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**Appendix A. Volume Control Evaluation Results**

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



#1 LTE Band 7 EVS WB 24.4kbps

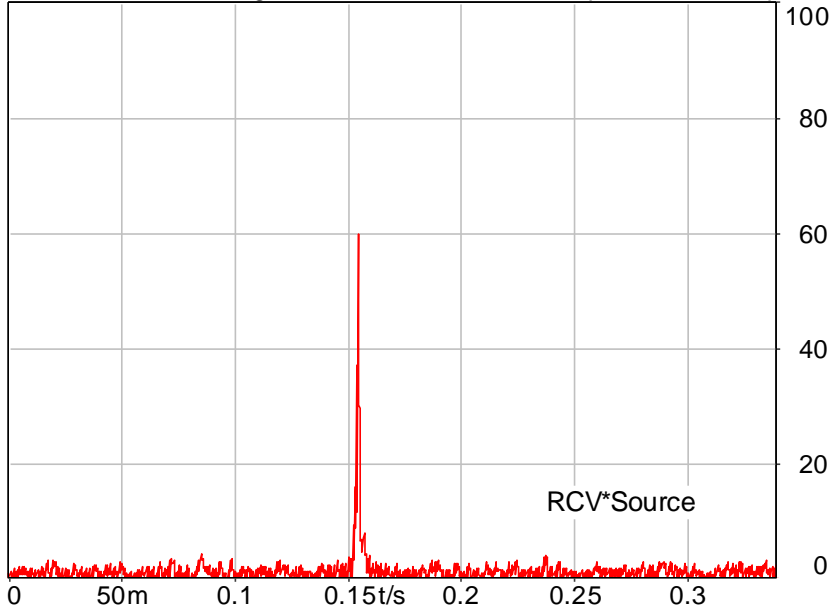
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	154.8
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.11
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	87.46
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.13
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.05
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.78
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.00
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.02
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.96
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.11
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.15
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.87
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.21
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.04
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.74
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.02
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.95
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.05
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.03
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.90
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.15
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.00
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.88
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.98
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.95
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.13
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.18
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.08
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.73
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.13
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.82
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 2883.7 Hz	2.04
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	1.68



### Overall Receive Delay WB

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

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

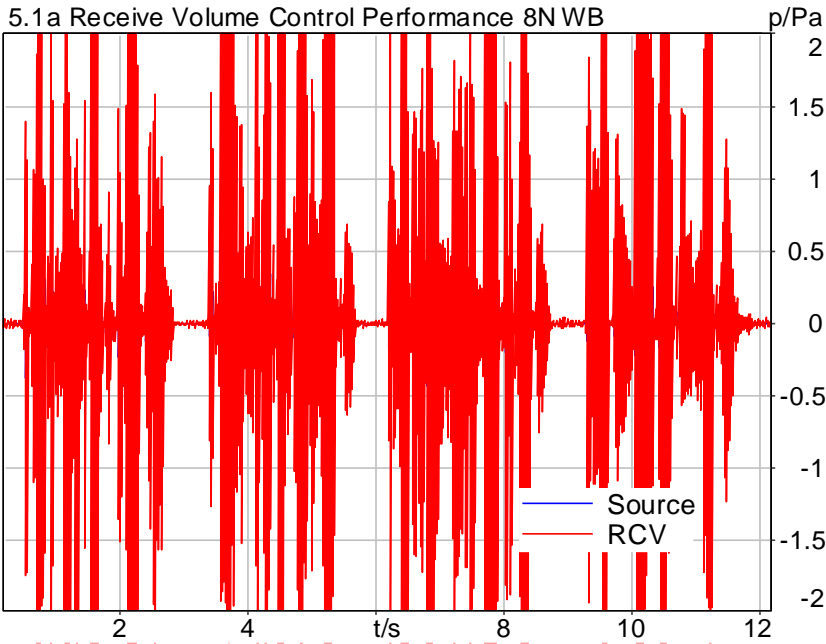


Delay (Cross): 154.8 ms

2023/10/22 上午 09:04 ACQUA 5.1.200

### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.11 dB[SPL], Act.: 58.19% Ok

Ok

2023/10/22 上午 09:05 ACQUA 5.1.200

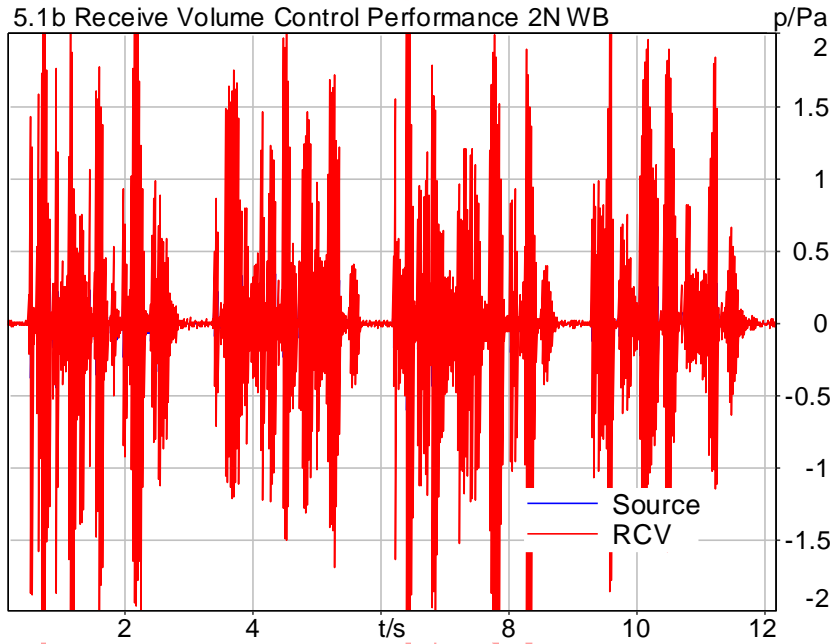
**Limits**

	<b>lower</b>
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 87.46 dB[SPL], Act.: 34.64% Ok

Ok

2023/10/22 上午 09:05 ACQUA 5.1.200

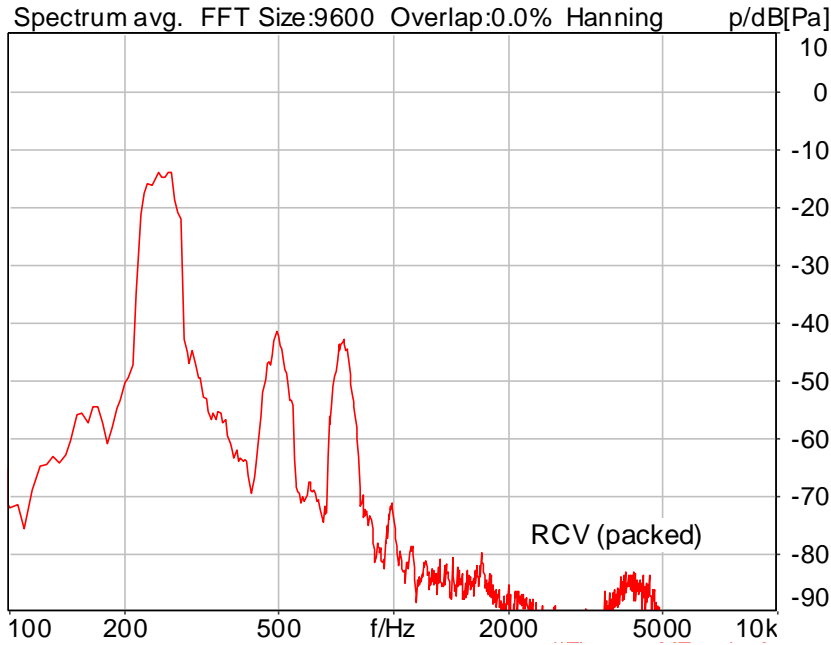
**Limits**

	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): 27.13 dB (4.40%) Ok

Ok

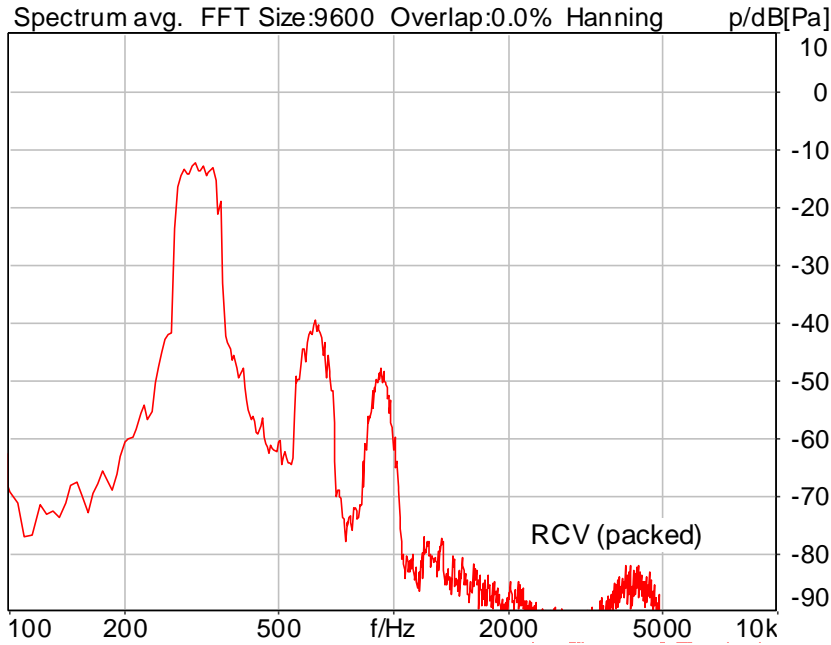
2023/10/22 上午 09:06 ACQUA 5.1.200

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): 28.05 dB (3.96%) Ok

Ok

2023/10/22 上午 09:07 ACQUA 5.1.200

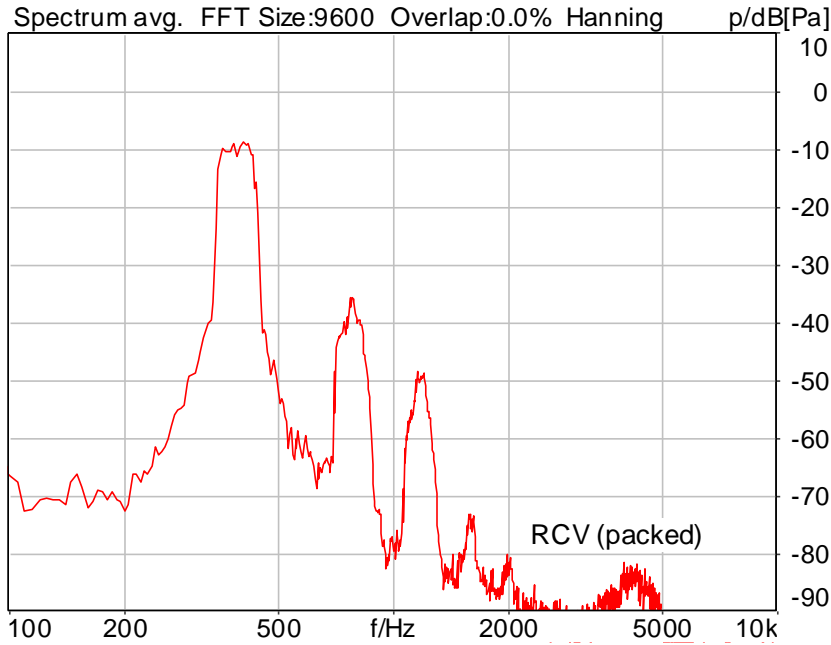
Limits

	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): 27.78 dB (4.08%) Ok

Ok

2023/10/22 上午 09:07 ACQUA 5.1.200

Limits

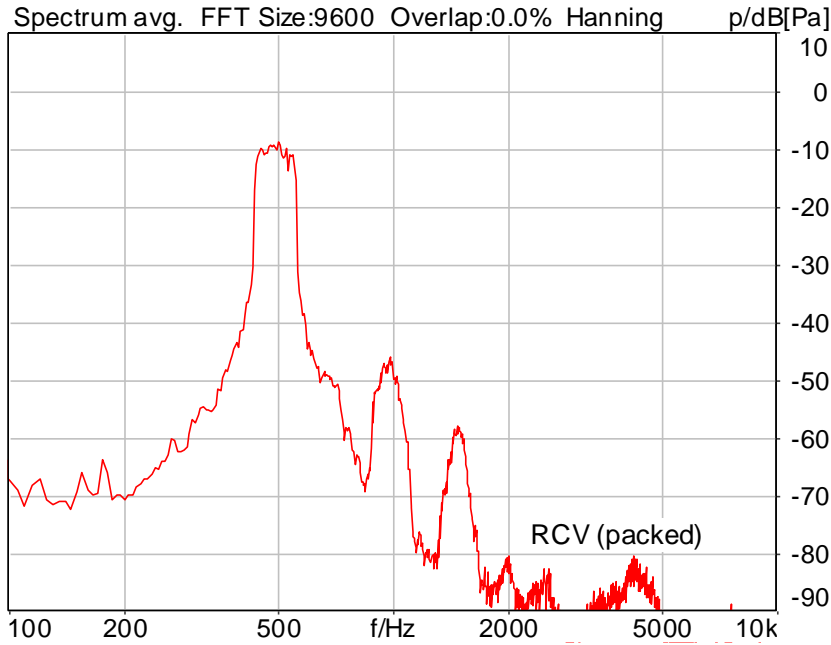
	lower
Run 1	20.00 dB





### 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): 34.00 dB (2.00%) Ok

Ok

2023/10/22 上午 09:08 ACQUA 5.1.200

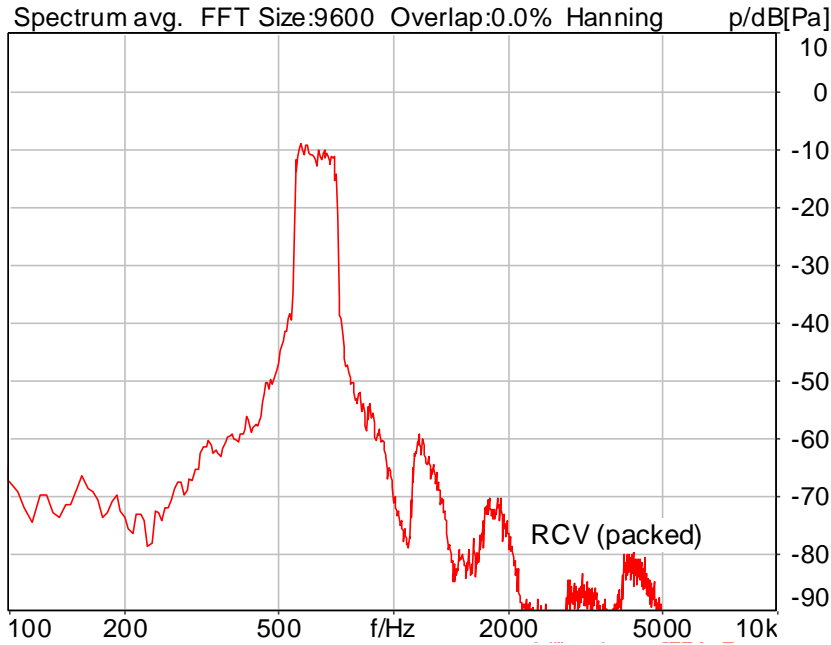
Limits

	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



Distortion (Noise) RCV (packed): 39.02 dB (1.12%) Ok

Ok

2023/10/22 上午 09:08 ACQUA 5.1.200

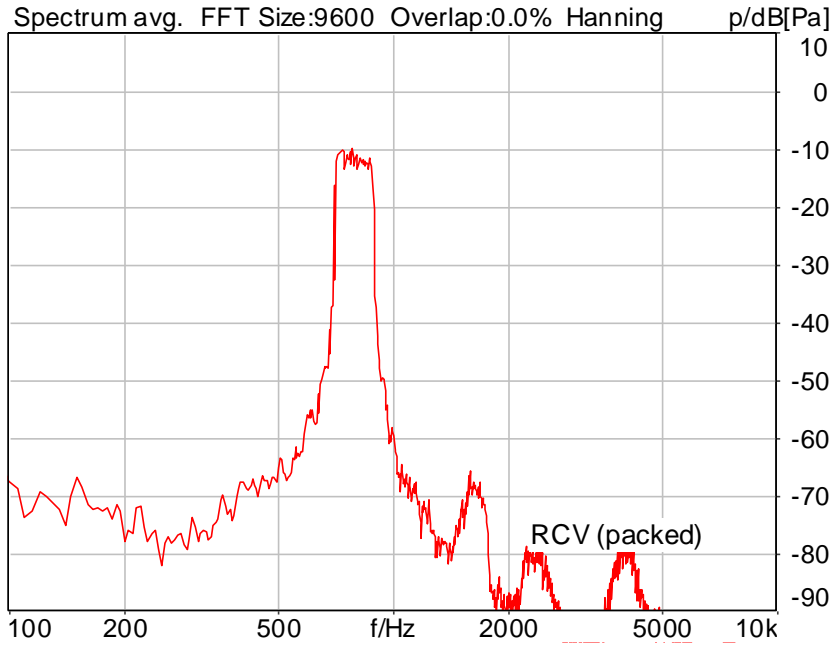
Limits

	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): 41.96 dB (0.80%) Ok

Ok

2023/10/22 上午 09:09 ACQUA 5.1.200

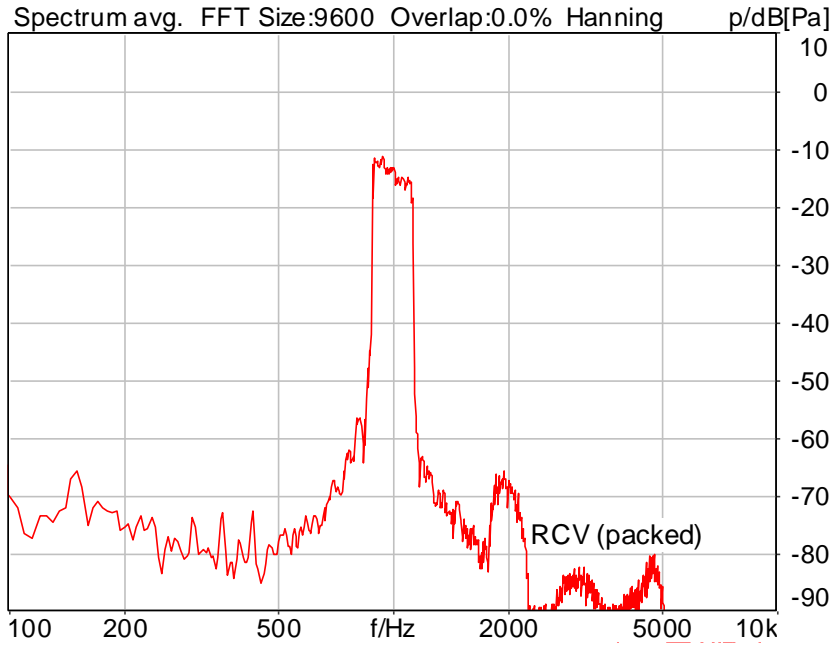
Limits

	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



Distortion (Noise) RCV (packed): 46.11 dB (0.50%) Ok

Ok

2023/10/22 上午 09:09 ACQUA 5.1.200

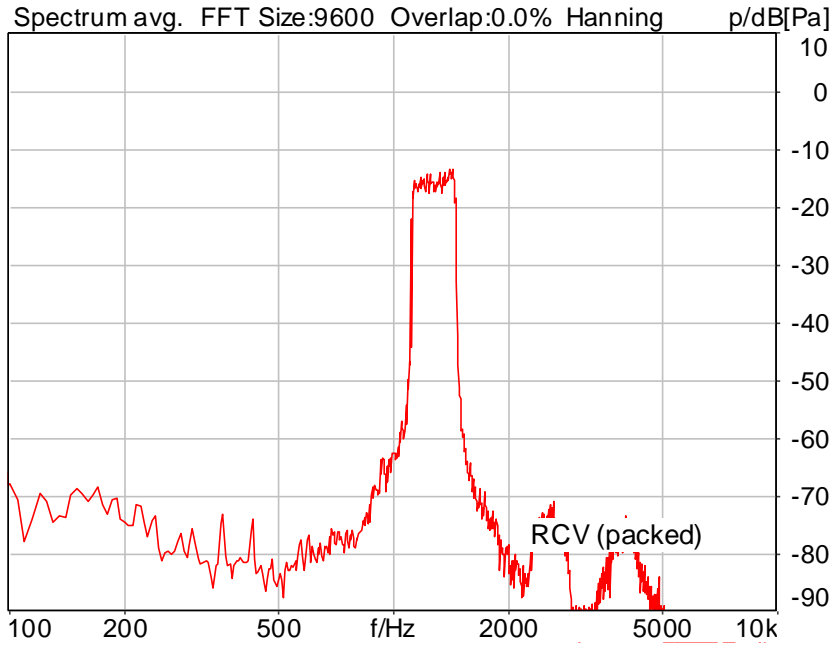
Limits

	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



Distortion (Noise) RCV (packed): 33.15 dB (2.20%) Ok

Ok

2023/10/22 上午 09:10 ACQUA 5.1.200

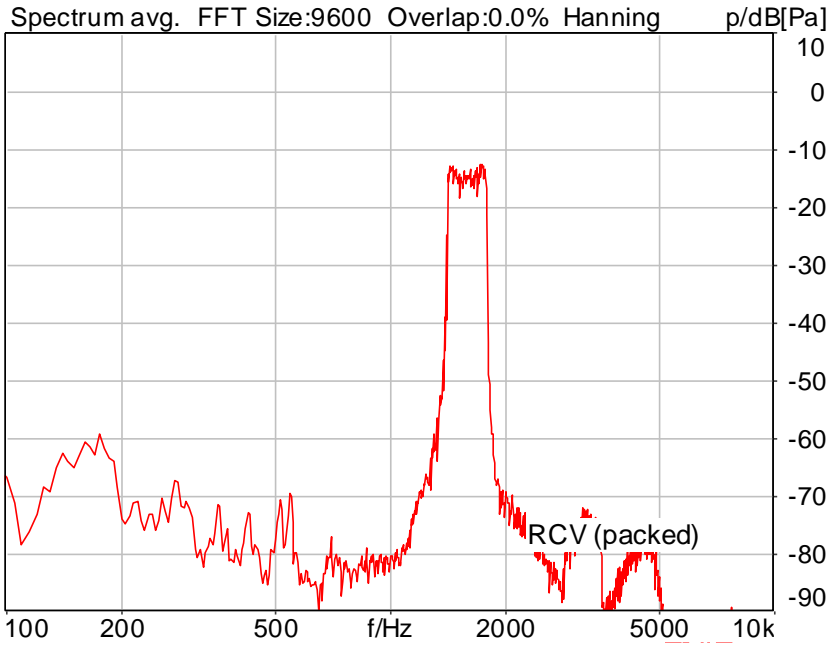
Limits

	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



Distortion (Noise) RCV (packed): 44.87 dB (0.57%) Ok

Ok

2023/10/22 上午 09:10 ACQUA 5.1.200

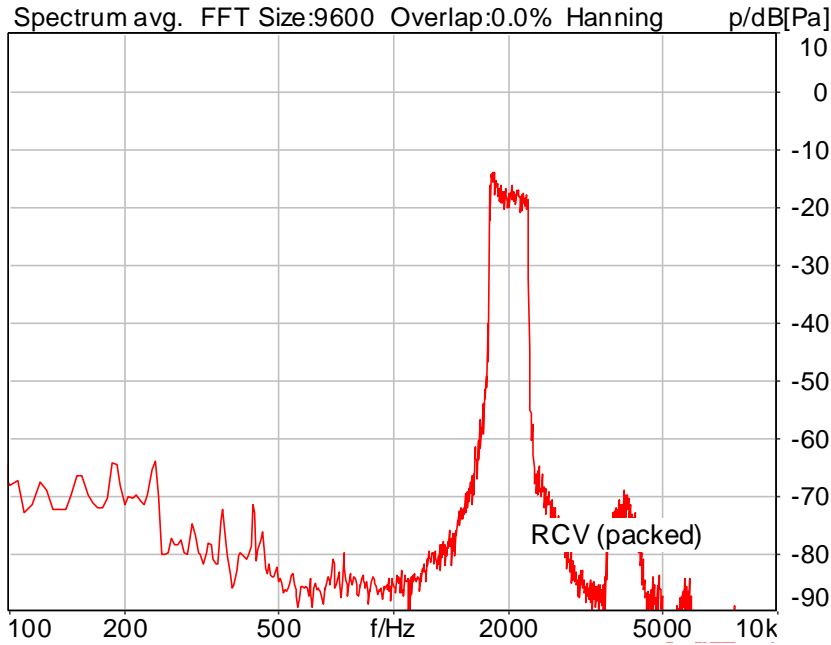
Limits

	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): 42.21 dB (0.78%) Ok

Ok

2023/10/22 上午 09:11 ACQUA 5.1.200

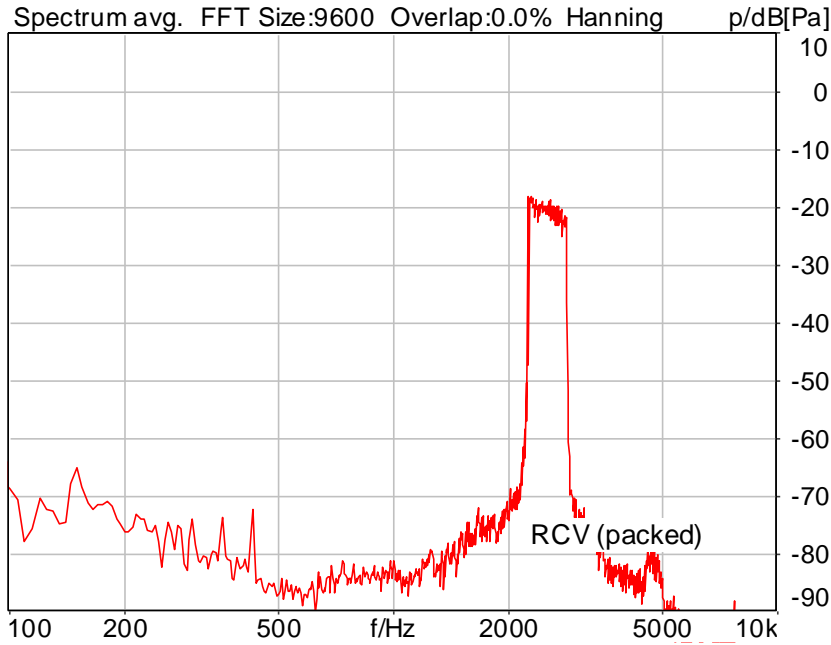
Limits

	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



Distortion (Noise) RCV (packed): 46.04 dB (0.50%) Ok

Ok

2023/10/22 上午 09:11 ACQUA 5.1.200

Limits

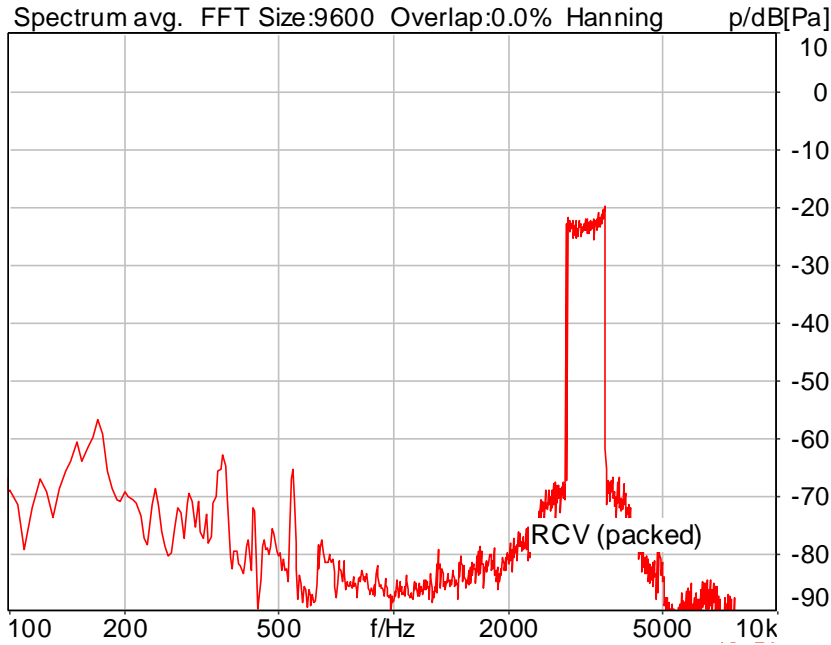
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 43.74 dB (0.65%) Ok

Ok

2023/10/22 上午 09:12 ACQUA 5.1.200

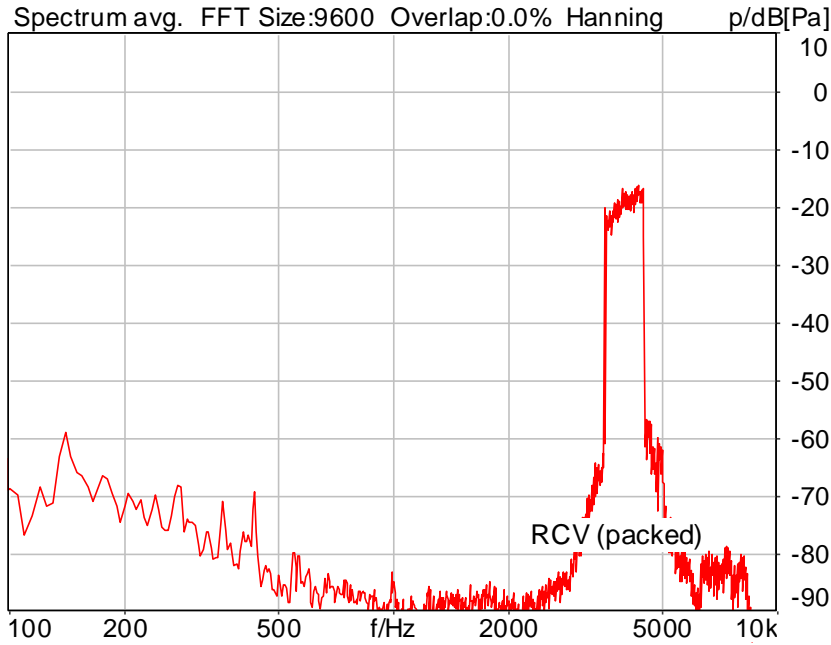
Limits

	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): 43.02 dB (0.71%) Ok

Ok

2023/10/22 上午 09:12 ACQUA 5.1.200

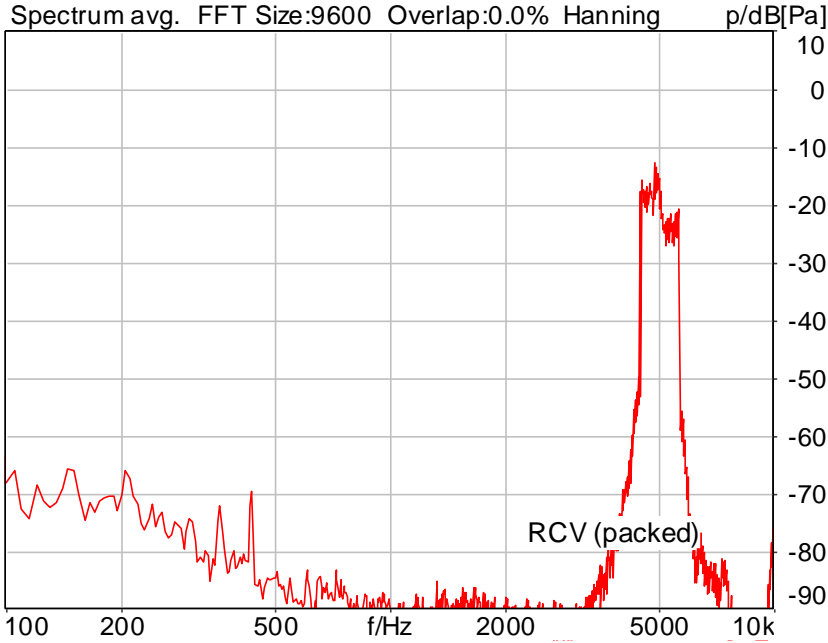
Limits

	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



Distortion (Noise) RCV (packed): 40.95 dB (0.90%) Ok

Ok

2023/10/22 上午 09:12 ACQUA 5.1.200

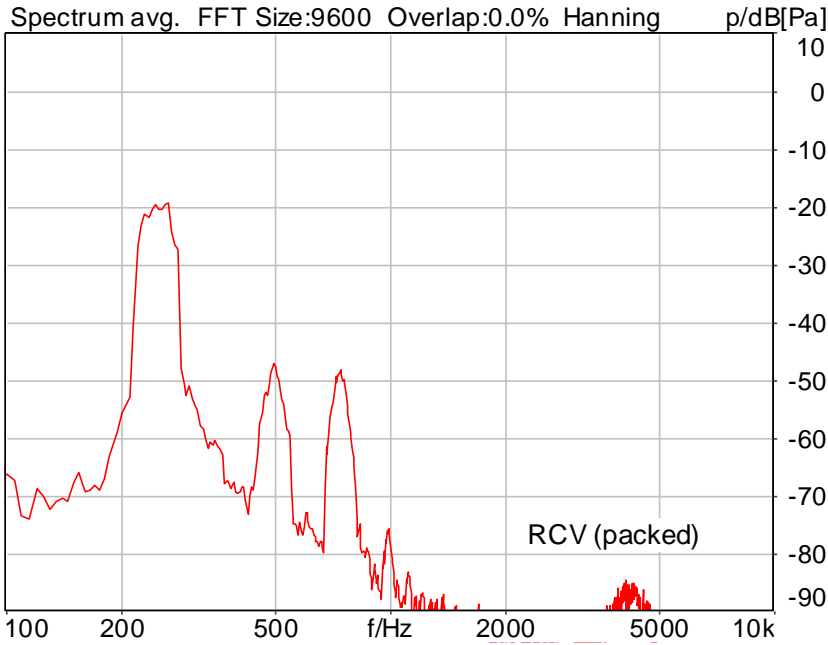
Limits

	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



Distortion (Noise) RCV (packed): 27.05 dB (4.44%) Ok

Ok

2023/10/22 上午 09:13 ACQUA 5.1.200

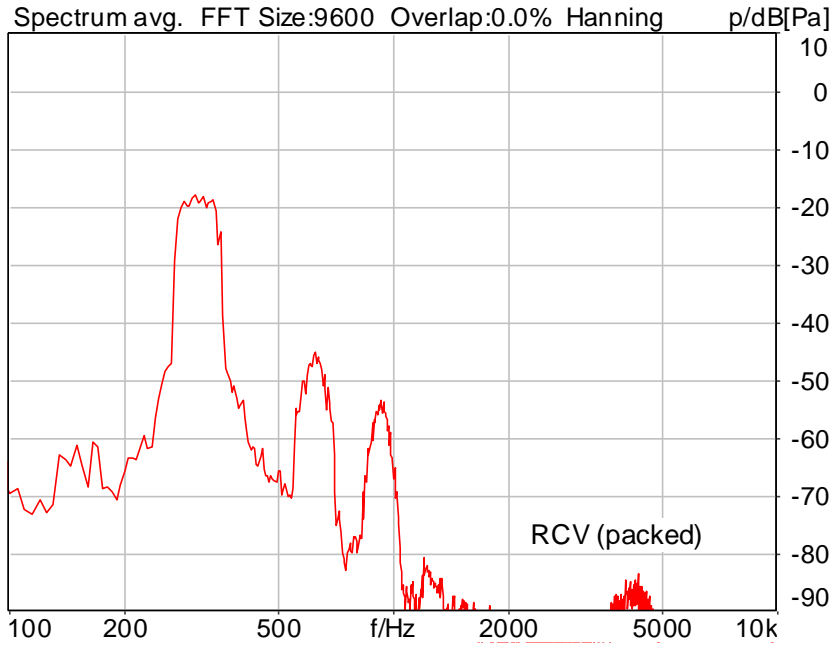
Limits

	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



Distortion (Noise) RCV (packed): 28.03 dB (3.97%) Ok

Ok

2023/10/22 上午 09:14 ACQUA 5.1.200

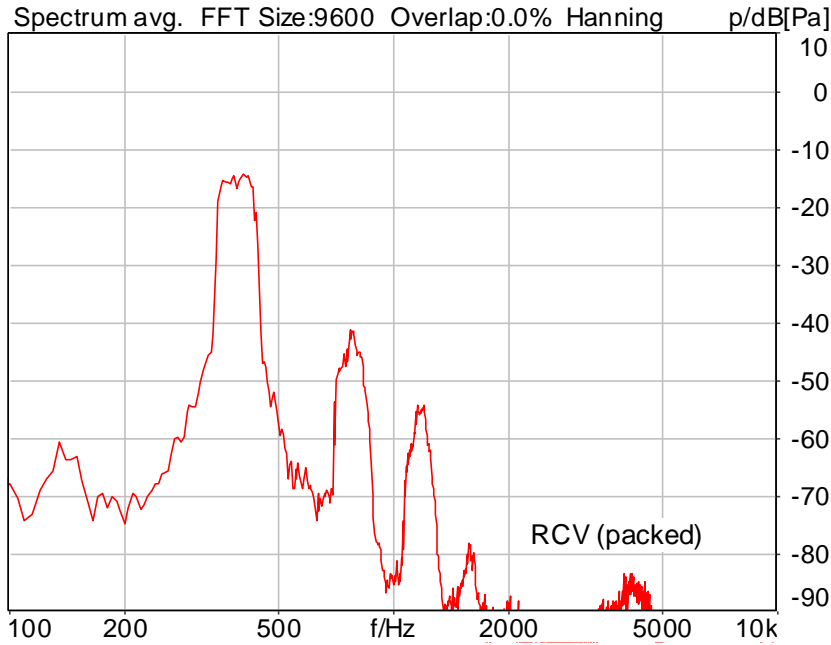
Limits

	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



Distortion (Noise) RCV (packed): 27.90 dB (4.03%) Ok

Ok

2023/10/22 上午 09:14 ACQUA 5.1.200

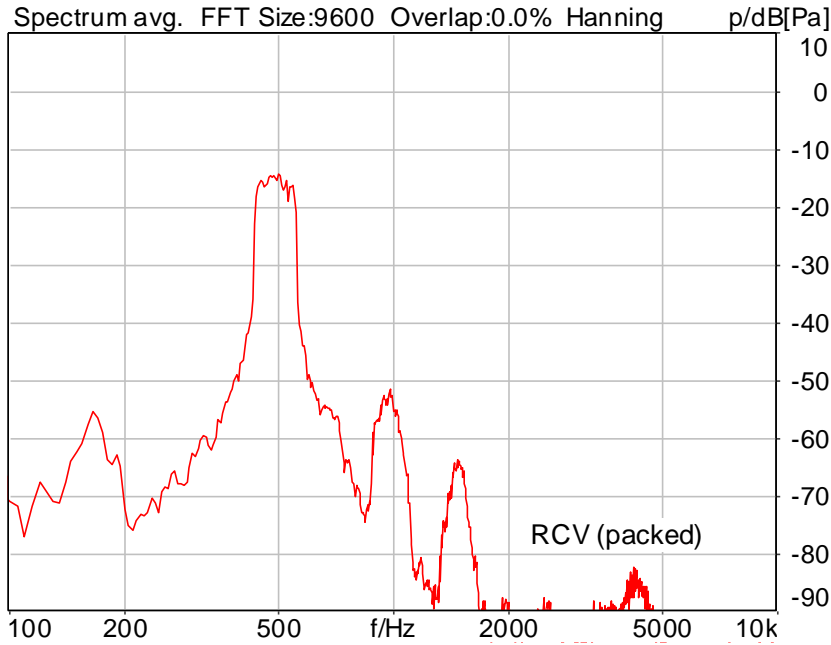
Limits

	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



Distortion (Noise) RCV (packed): 34.15 dB (1.96%) Ok

Ok

2023/10/22 上午 09:15 ACQUA 5.1.200

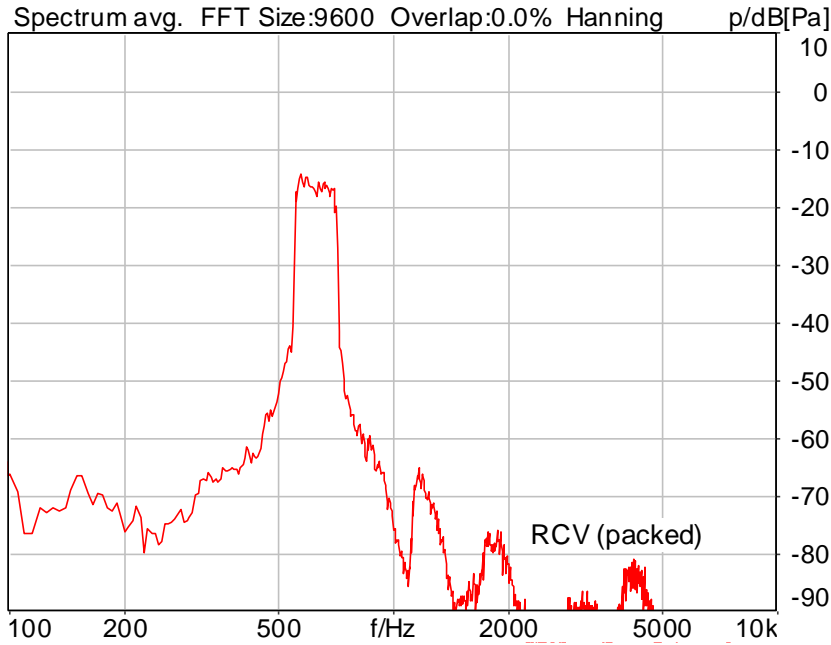
Limits

	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): 39.00 dB (1.12%) Ok

Ok

2023/10/22 上午 09:15 ACQUA 5.1.200

Limits

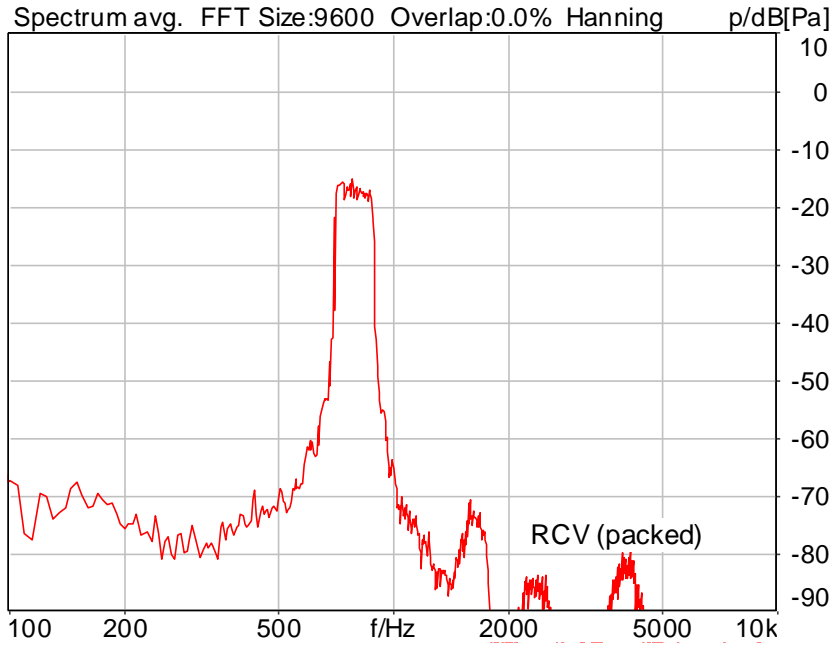
	lower
Run 1	20.00 dB





### 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): 41.88 dB (0.81%) Ok

Ok

2023/10/22 上午 09:16 ACQUA 5.1.200

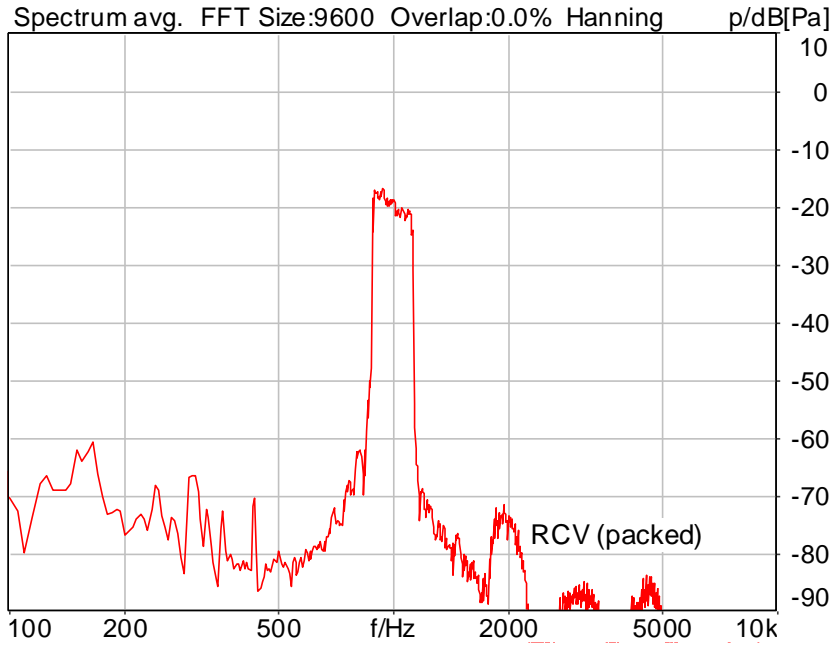
Limits

	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



Distortion (Noise) RCV (packed): 45.98 dB (0.50%) Ok

Ok

2023/10/22 上午 09:16 ACQUA 5.1.200

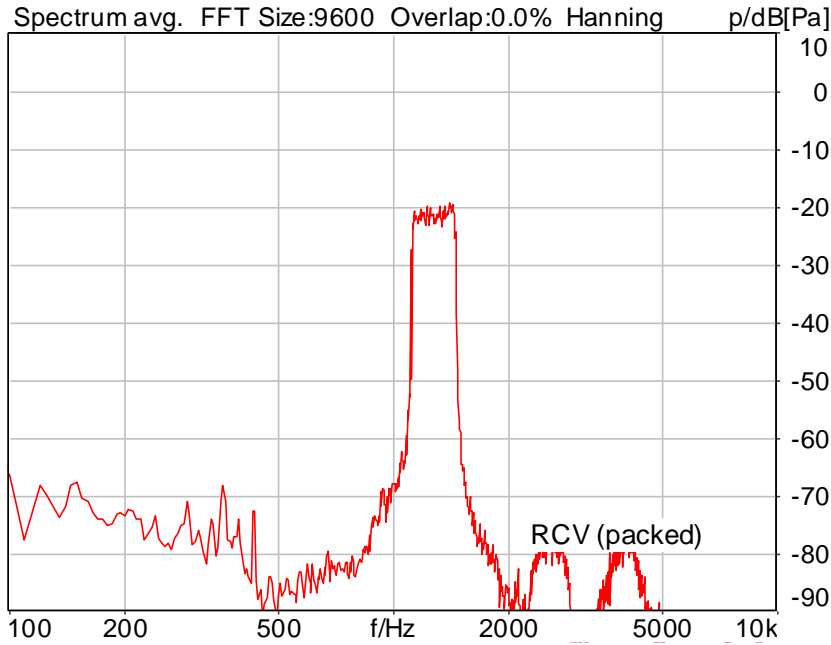
Limits

	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): 32.95 dB (2.25%) Ok

Ok

2023/10/22 上午 09:17 ACQUA 5.1.200

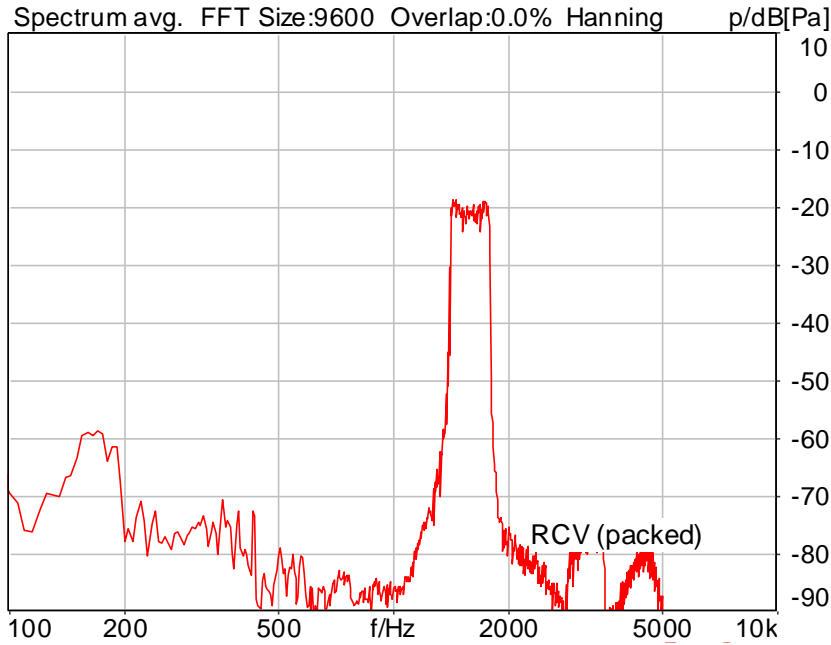
Limits

	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



Distortion (Noise) RCV (packed): 44.13 dB (0.62%) Ok

Ok

2023/10/22 上午 09:17 ACQUA 5.1.200

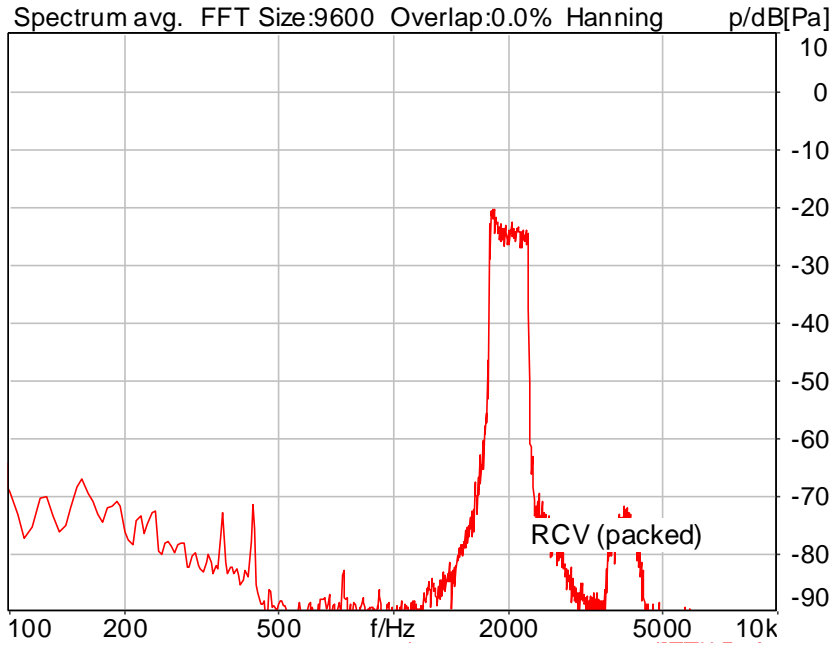
Limits

	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



Distortion (Noise) RCV (packed): 41.18 dB (0.87%) Ok

Ok

2023/10/22 上午 09:18 ACQUA 5.1.200

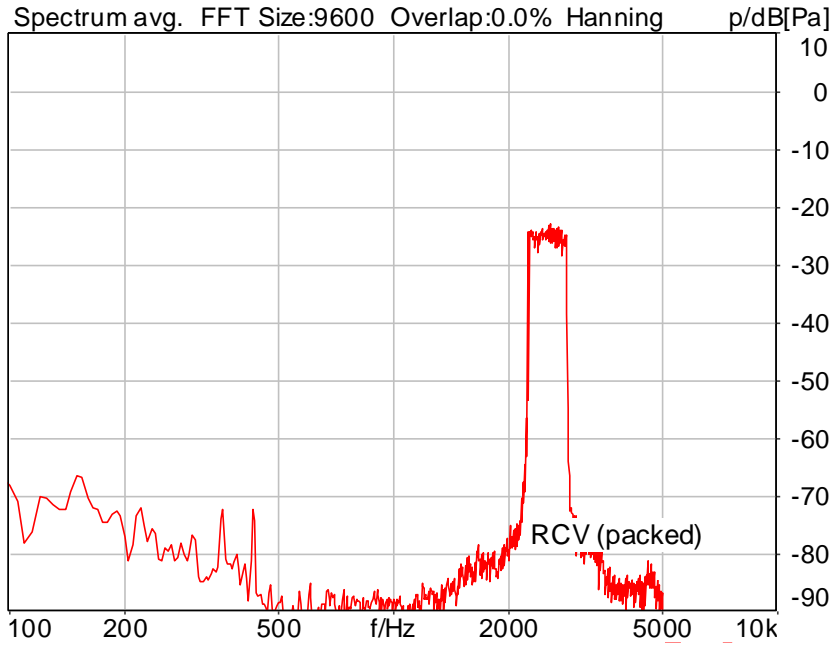
Limits

	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



Distortion (Noise) RCV (packed): 46.08 dB (0.50%) Ok

Ok

2023/10/22 上午 09:18 ACQUA 5.1.200

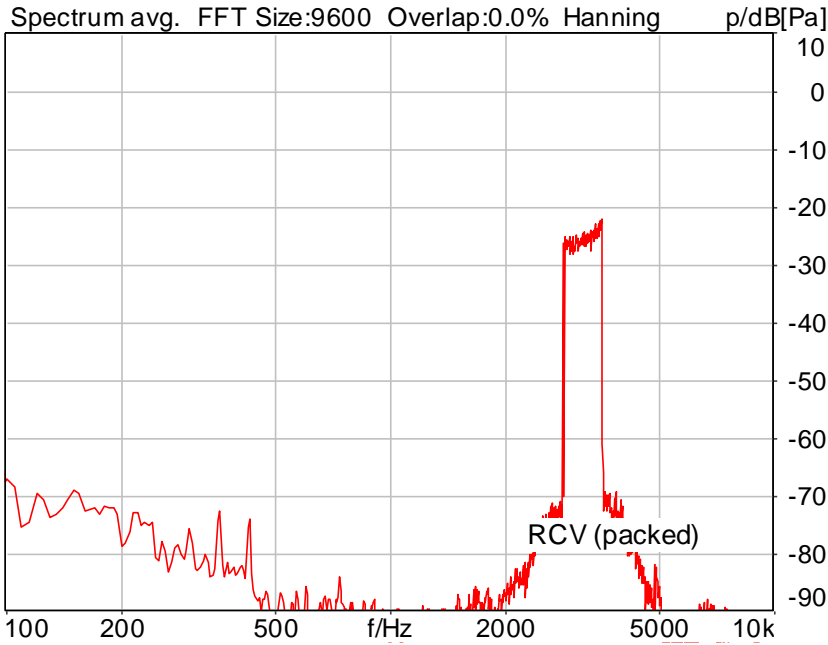
Limits

	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



Distortion (Noise) RCV (packed): 44.73 dB (0.58%) Ok

Ok

2023/10/22 上午 09:19 ACQUA 5.1.200

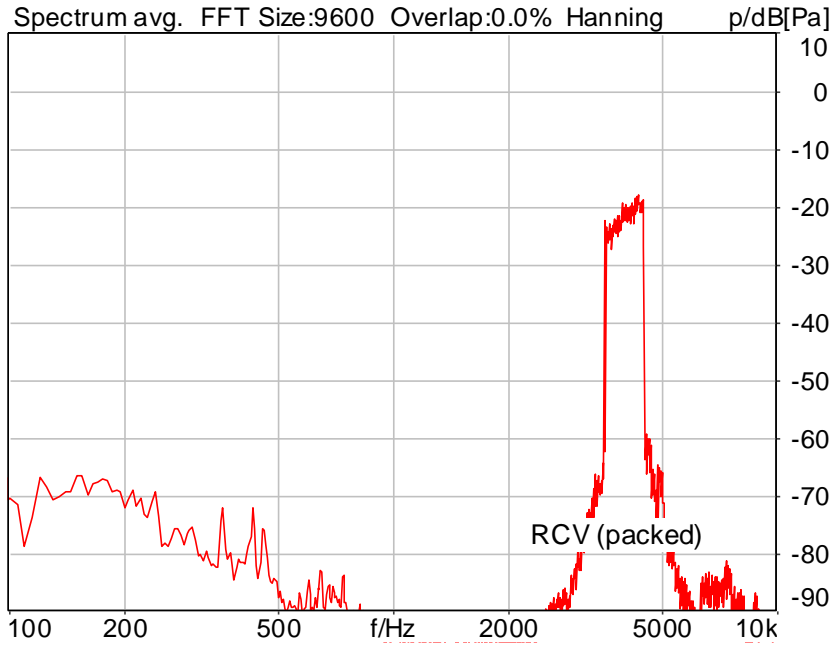
Limits

	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



Distortion (Noise) RCV (packed): 44.13 dB (0.62%) Ok

Ok

2023/10/22 上午 09:19 ACQUA 5.1.200

Limits

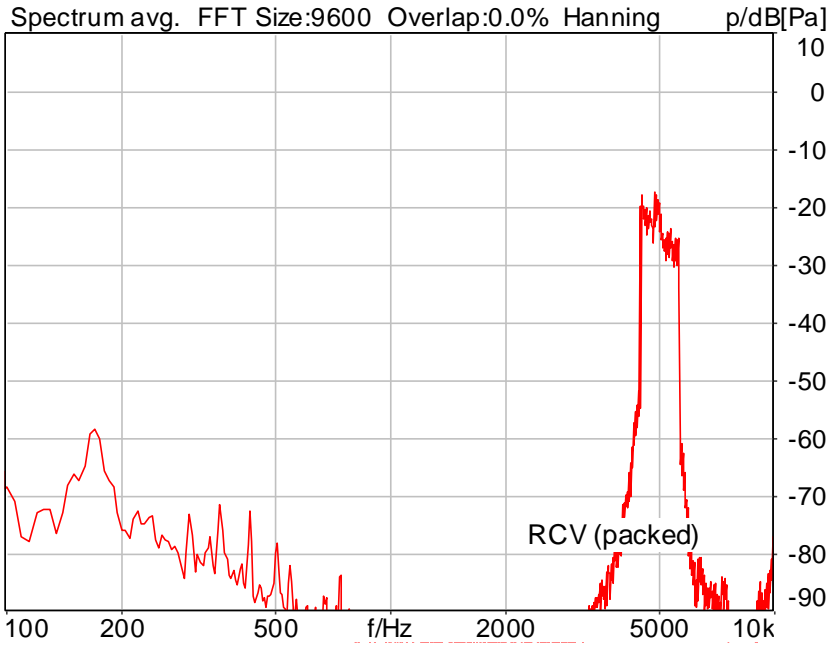
	lower
Run 1	20.00 dB





### 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): 39.82 dB (1.02%) Ok

Ok

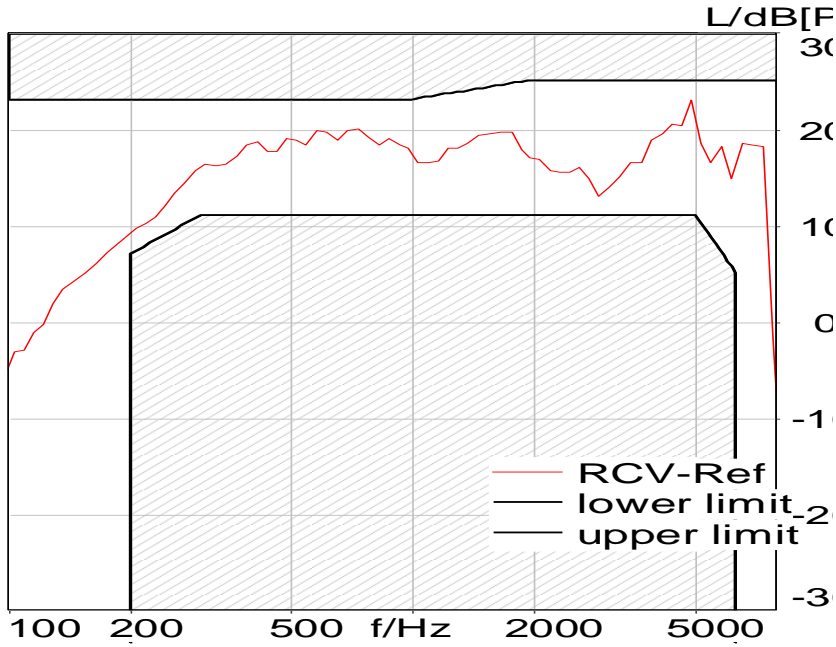
2023/10/22 上午 09:20 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.04 dB at 2883.7 Hz Ok

Ok

2023/10/22 上午 09:20 ACQUA 5.1.200

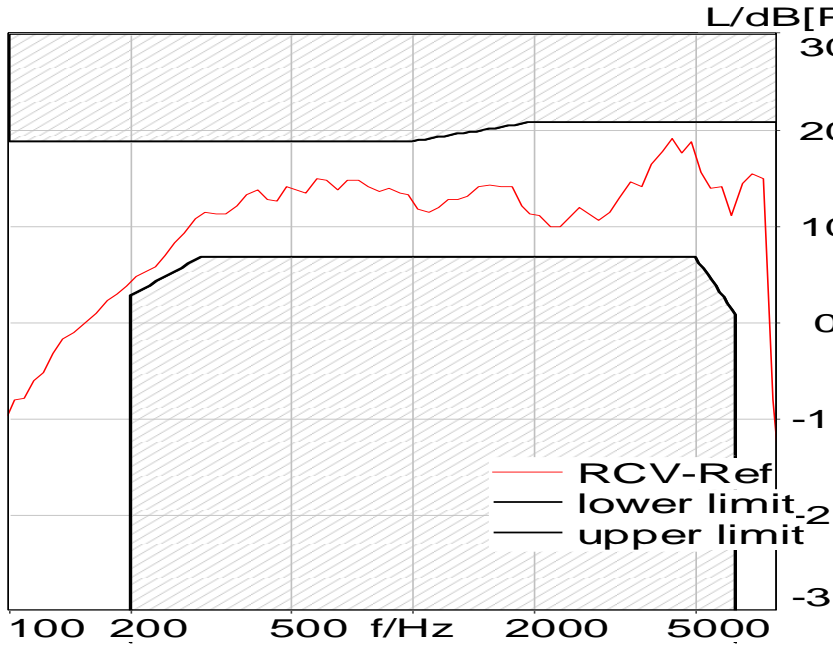
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
1.68 dB at 4369.4 Hz Ok

Ok

2023/10/22 上午 09:21 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#2 LTE Band 12 EVS WB 24.4kbps

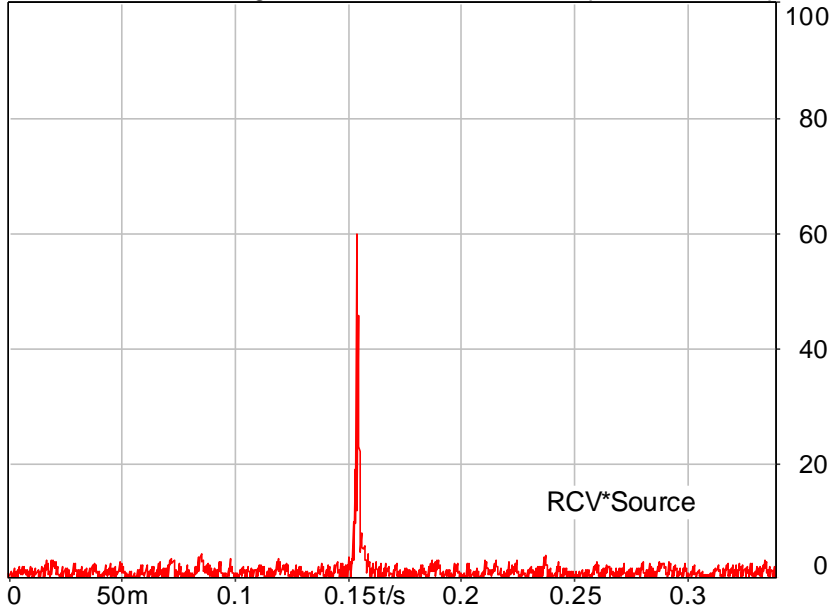
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	154.6
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.91
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	87.90
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.12
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.97
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.74
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.00
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.02
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.95
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.18
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.84
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.59
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.22
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.06
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.01
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.13
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.09
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.12
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.16
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.02
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.17
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.36
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.82
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.20
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.95
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.27
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.19
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.03
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.80
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.33
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.55
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	2.32
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	1.77



### Overall Receive Delay WB

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

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



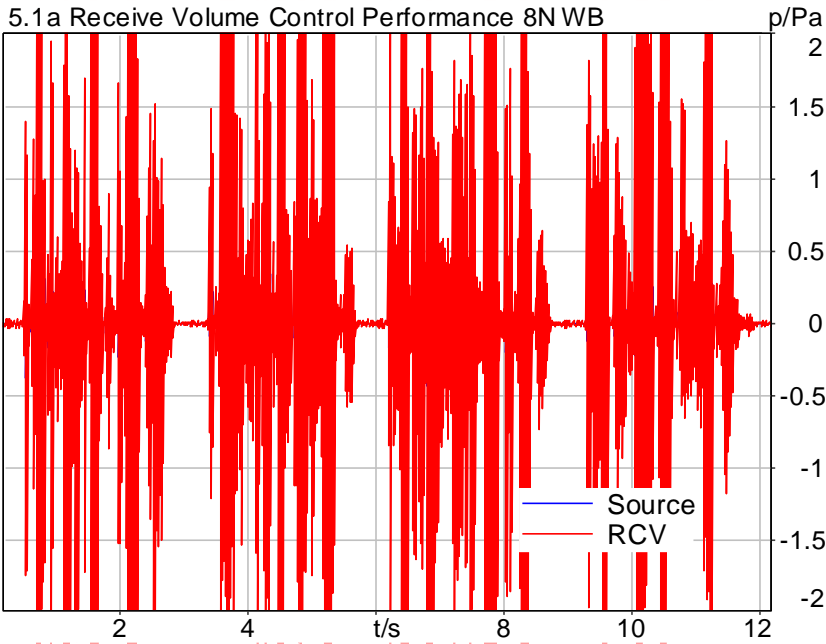
Delay (Cross): 154.6 ms

2023/10/22 上午 09:26 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.91 dB[SPL], Act.: 60.39% Ok

Ok

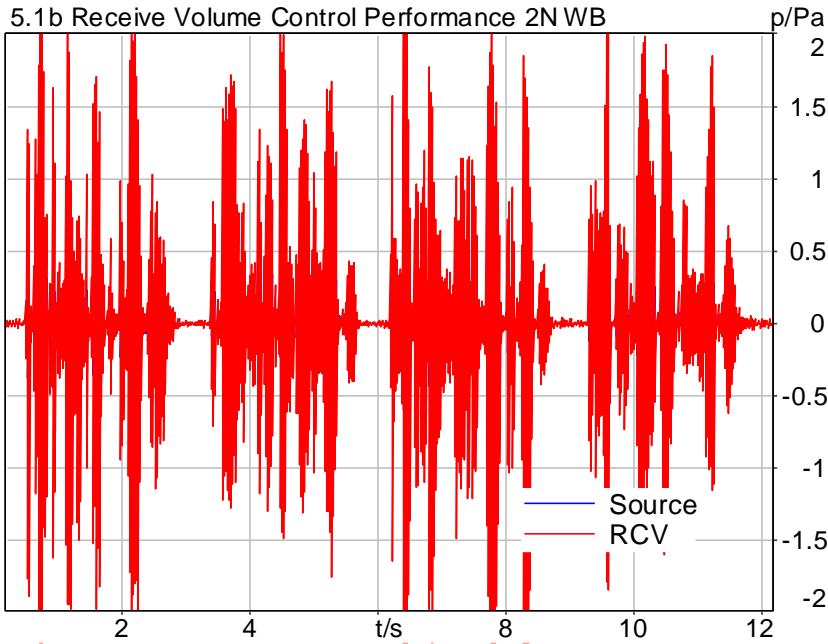
2023/10/22 上午 09:27 ACQUA 5.1.200

Limits

	lower
Run 1	88.00 dB20uPa

### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 87.90 dB[SPL], Act.: 32.66% Ok

Ok

2023/10/22 上午 09:27 ACQUA 5.1.200

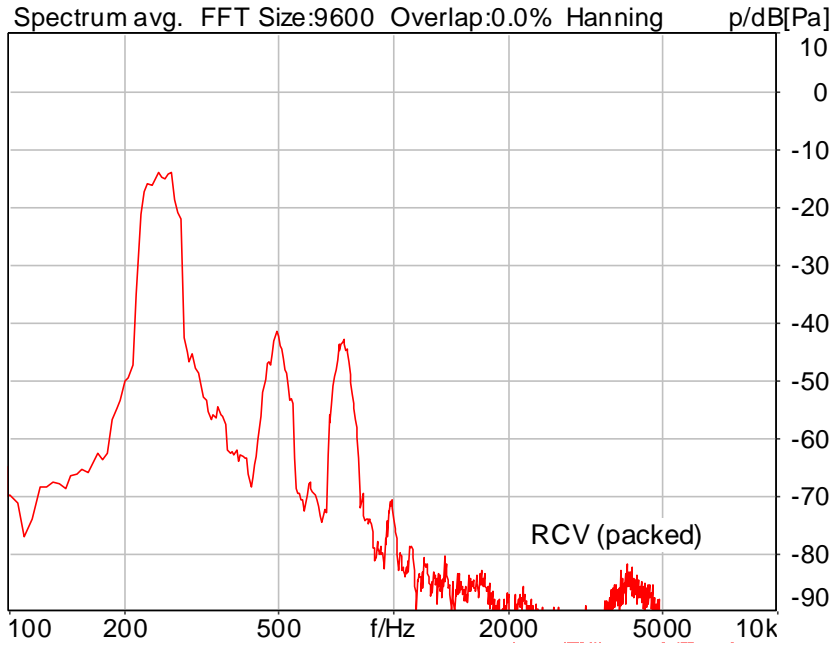
Limits

	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): 27.12 dB (4.41%) Ok

Ok

2023/10/22 上午 09:28 ACQUA 5.1.200

Limits

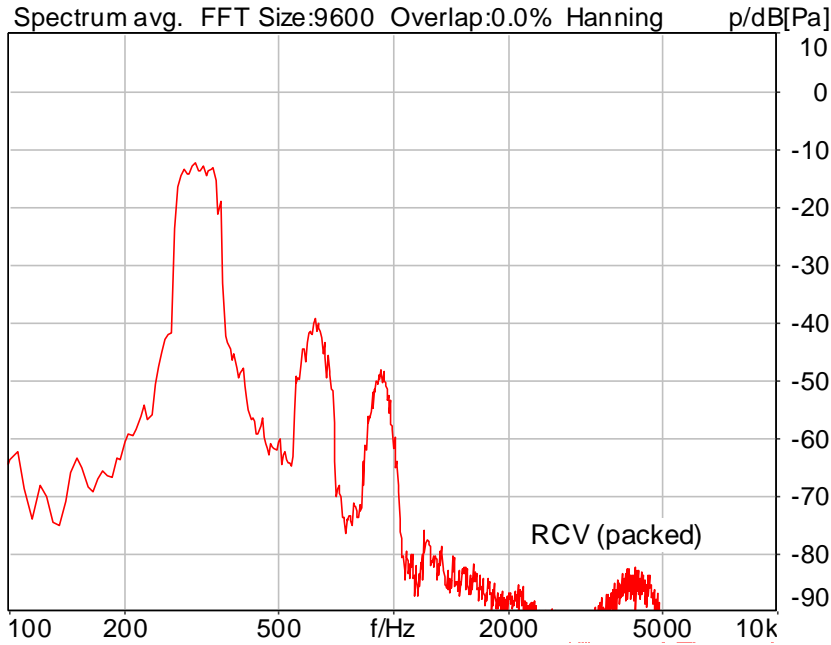
	lower
Run 1	20.00 dB





### 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): 27.97 dB (3.99%) Ok

Ok

2023/10/22 上午 09:29 ACQUA 5.1.200

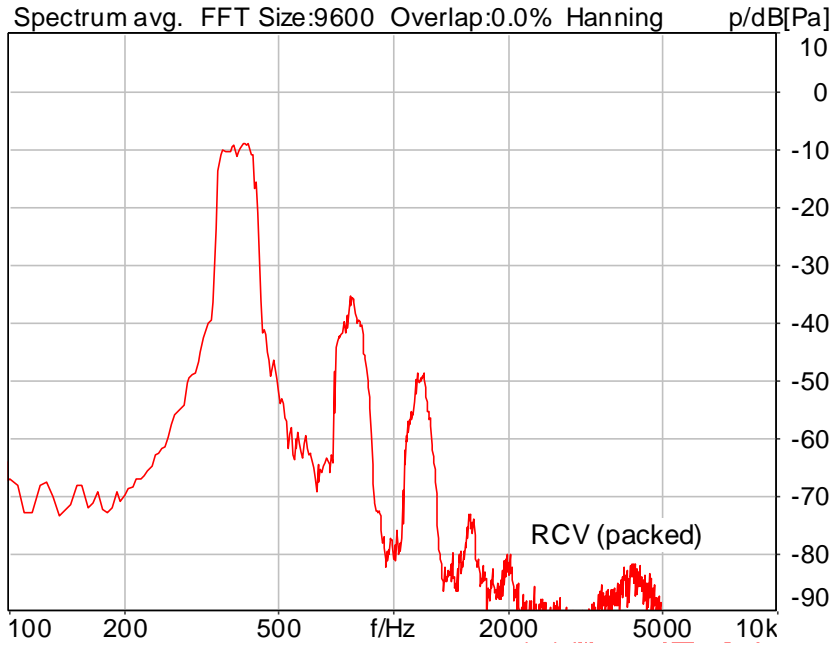
Limits

	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): 27.74 dB (4.10%) Ok

Ok

2023/10/22 上午 09:29 ACQUA 5.1.200

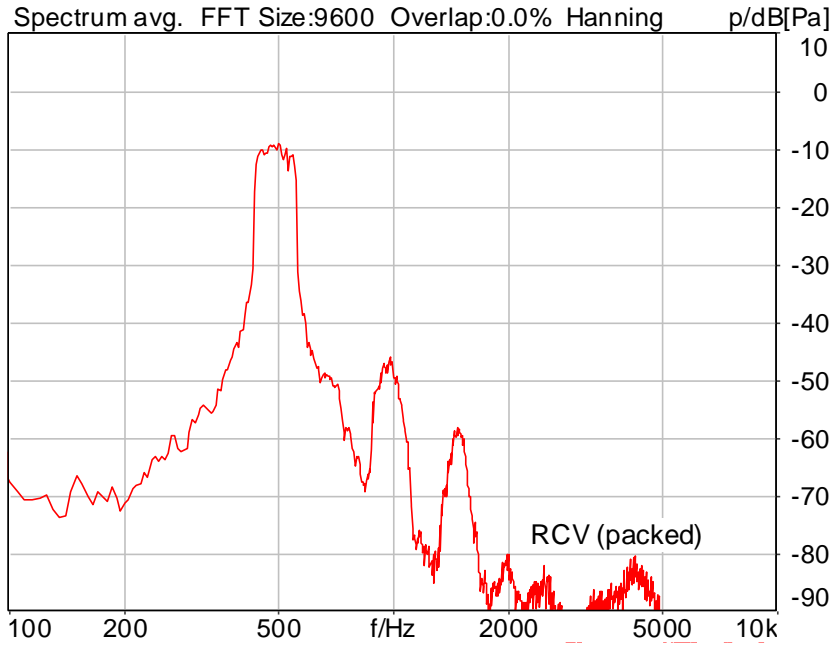
Limits

	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): 34.00 dB (2.00%) Ok

Ok

2023/10/22 上午 09:30 ACQUA 5.1.200

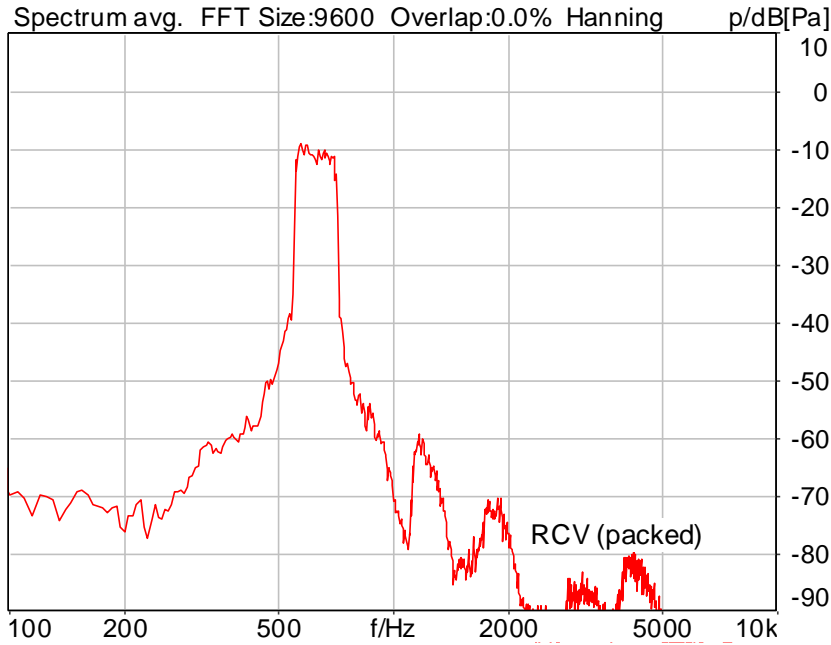
Limits

	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



Distortion (Noise) RCV (packed): 39.02 dB (1.12%) Ok

Ok

2023/10/22 上午 09:30 ACQUA 5.1.200

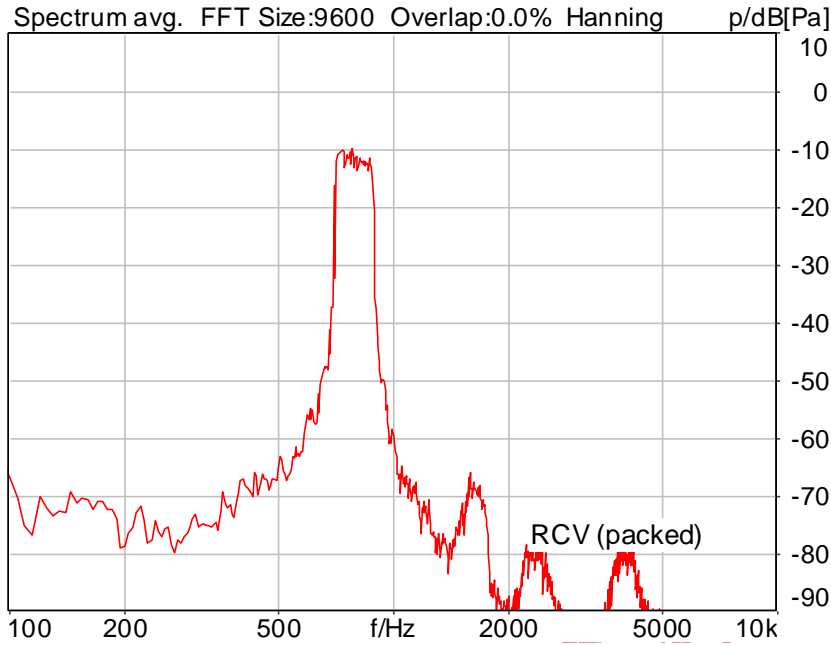
Limits

	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): 41.95 dB (0.80%) Ok

Ok

2023/10/22 上午 09:30 ACQUA 5.1.200

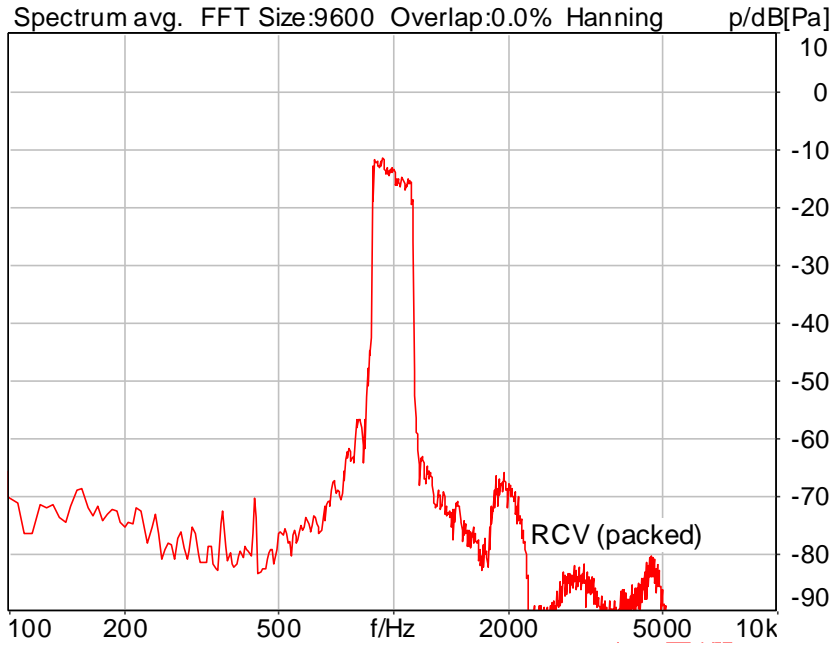
Limits

	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



Distortion (Noise) RCV (packed): 46.18 dB (0.49%) Ok

Ok

2023/10/22 上午 09:31 ACQUA 5.1.200

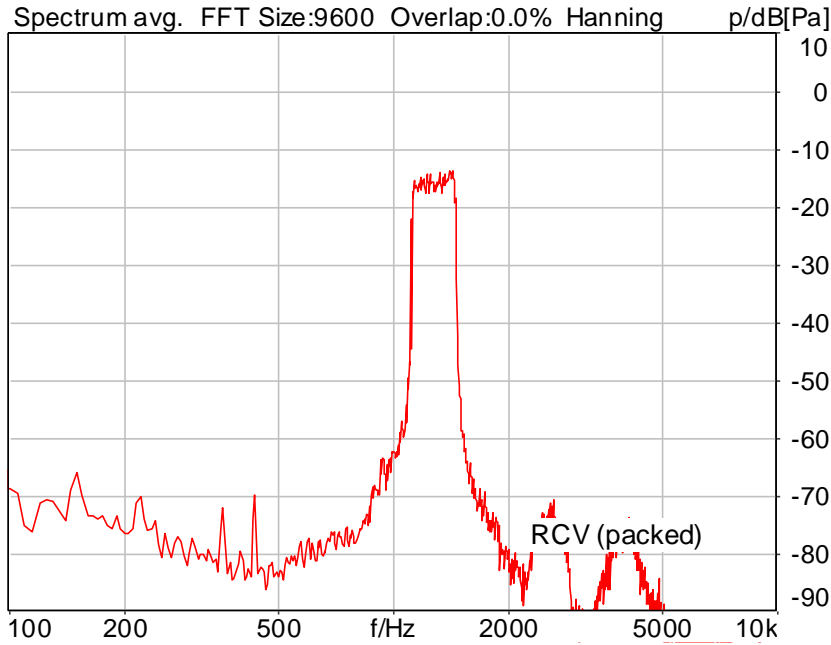
Limits

	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



Distortion (Noise) RCV (packed): 32.84 dB (2.28%) Ok

Ok

2023/10/22 上午 09:31 ACQUA 5.1.200

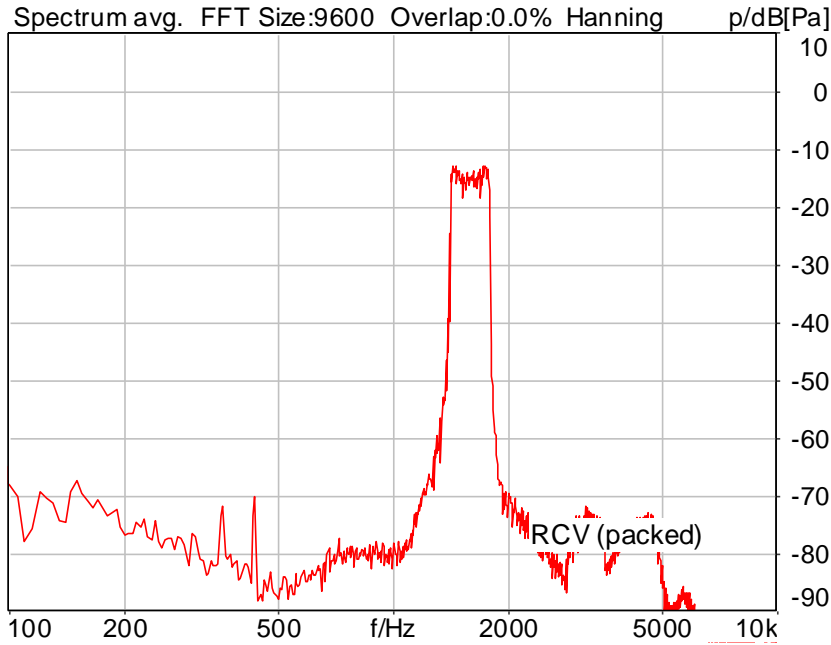
Limits

	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



Distortion (Noise) RCV (packed): 44.59 dB (0.59%) Ok

Ok

2023/10/22 上午 09:32 ACQUA 5.1.200

Limits

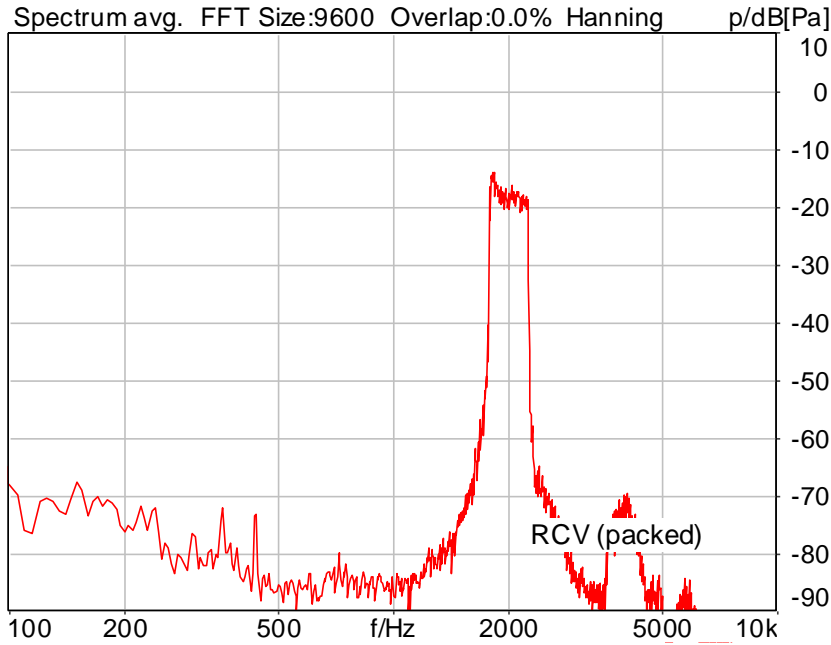
	lower
Run 1	20.00 dB





### 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): 42.22 dB (0.77%) Ok

Ok

2023/10/22 上午 09:32 ACQUA 5.1.200

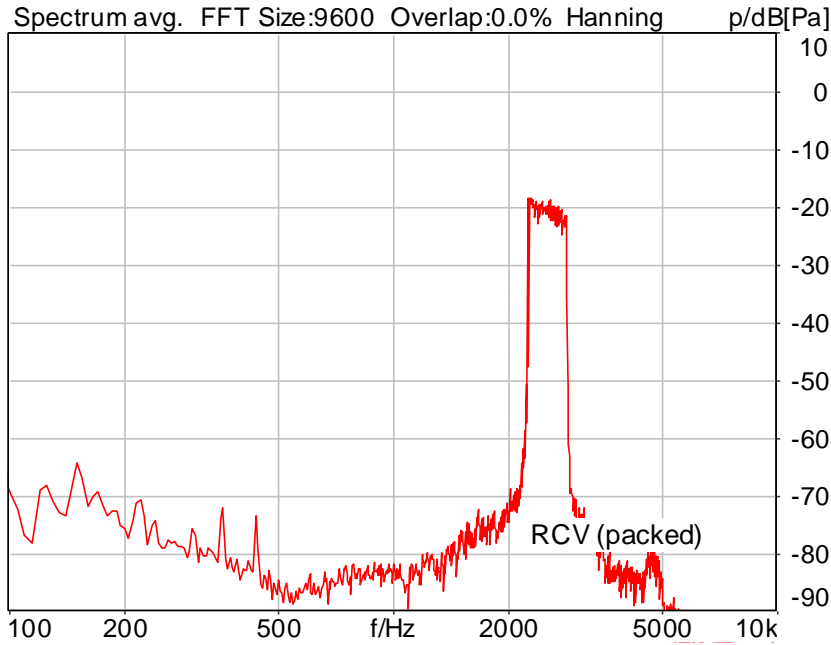
Limits

	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



Distortion (Noise) RCV (packed): 46.06 dB (0.50%) Ok

Ok

2023/10/22 上午 09:33 ACQUA 5.1.200

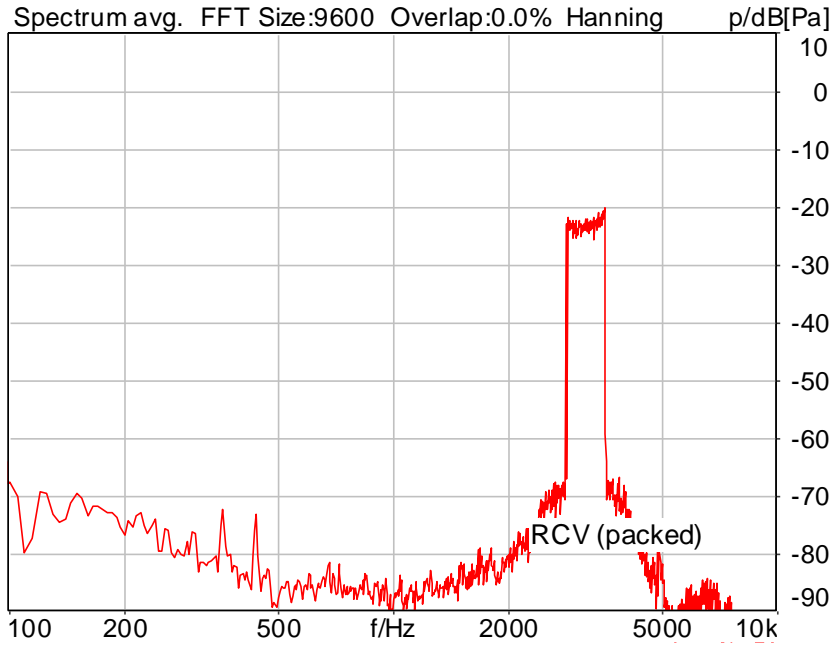
Limits

	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



Distortion (Noise) RCV (packed): 44.01 dB (0.63%) Ok

Ok

2023/10/22 上午 09:33 ACQUA 5.1.200

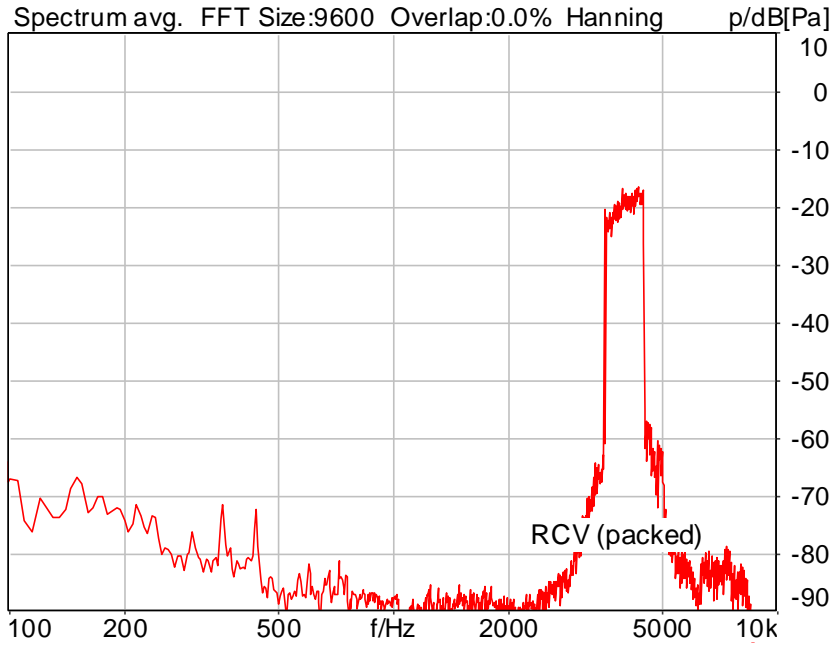
Limits

	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): 43.13 dB (0.70%) Ok

Ok

2023/10/22 上午 09:34 ACQUA 5.1.200

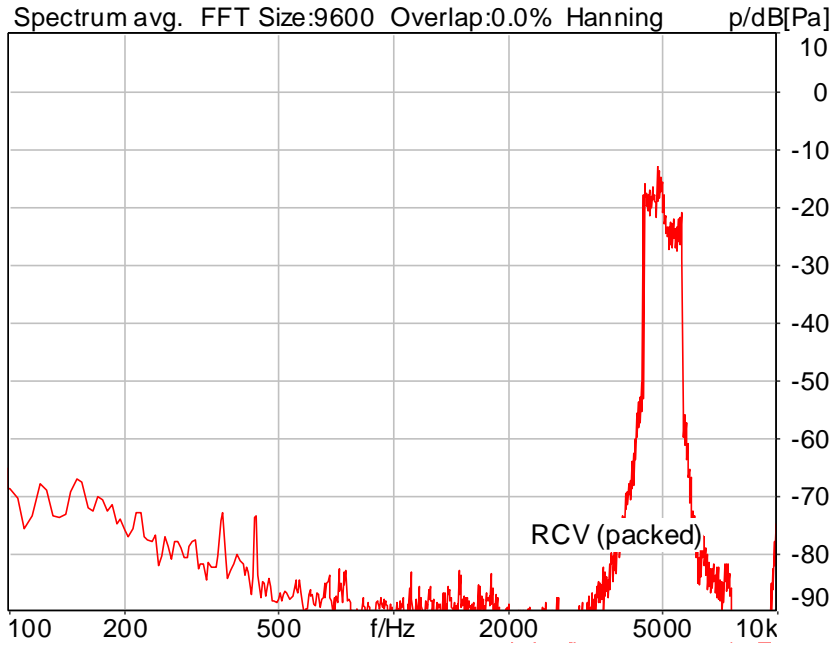
Limits

	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



Distortion (Noise) RCV (packed): 41.09 dB (0.88%) Ok

Ok

2023/10/22 上午 09:34 ACQUA 5.1.200

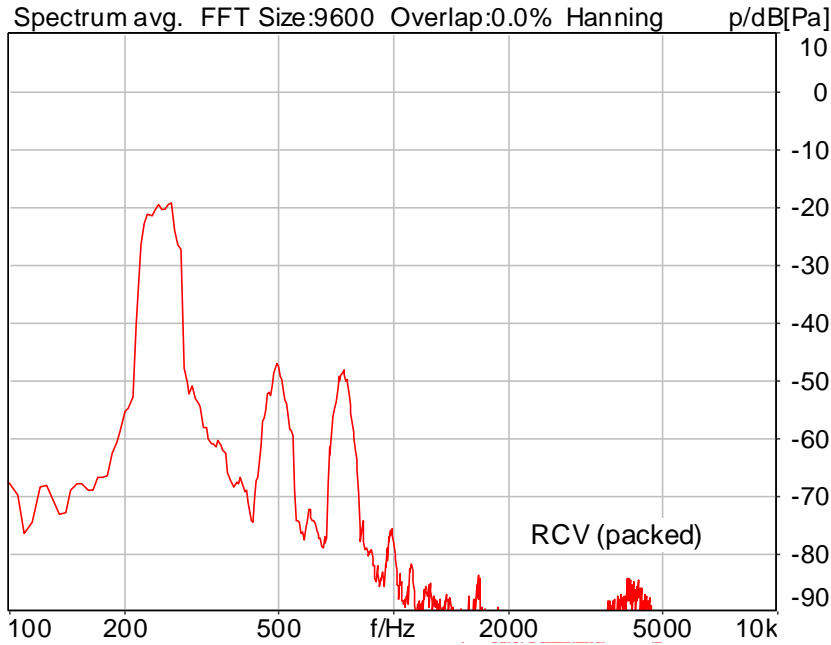
Limits

	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



Distortion (Noise) RCV (packed): 27.12 dB (4.41%) Ok

Ok

2023/10/22 上午 09:35 ACQUA 5.1.200

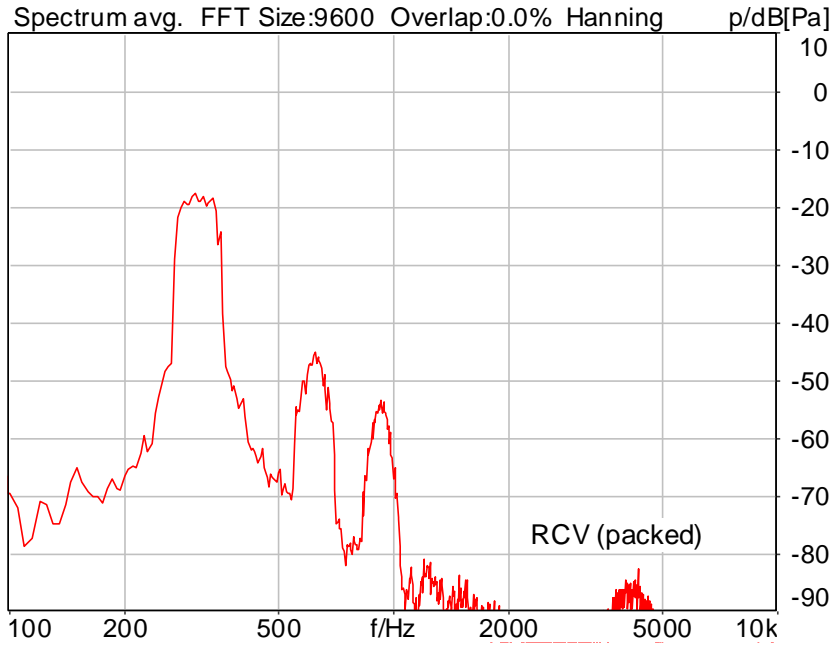
Limits

	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



Distortion (Noise) RCV (packed): 28.16 dB (3.91%) Ok

Ok

2023/10/22 上午 09:36 ACQUA 5.1.200

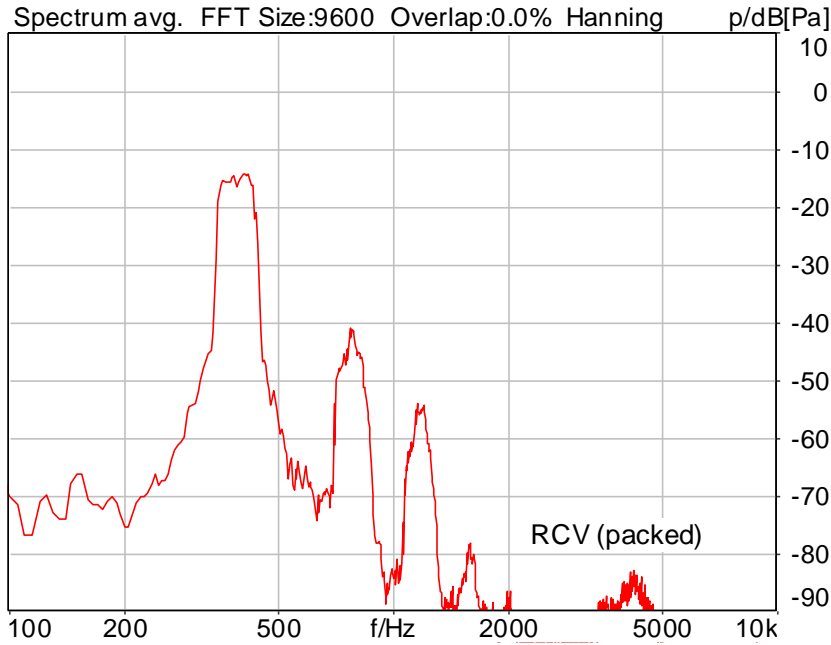
Limits

	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



Distortion (Noise) RCV (packed): 28.02 dB (3.97%) Ok

Ok

2023/10/22 上午 09:36 ACQUA 5.1.200

Limits

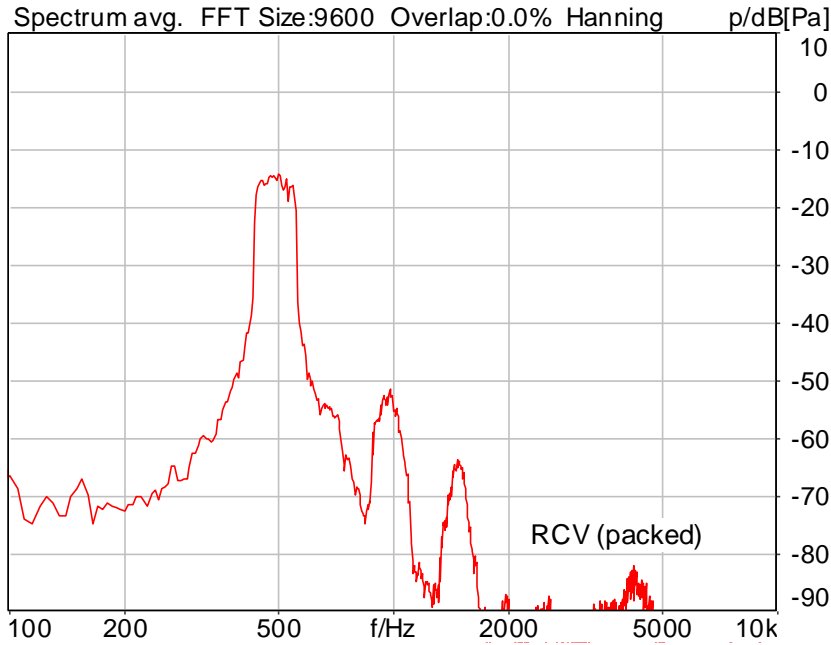
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 34.17 dB (1.96%) Ok

Ok

2023/10/22 上午 09:37 ACQUA 5.1.200

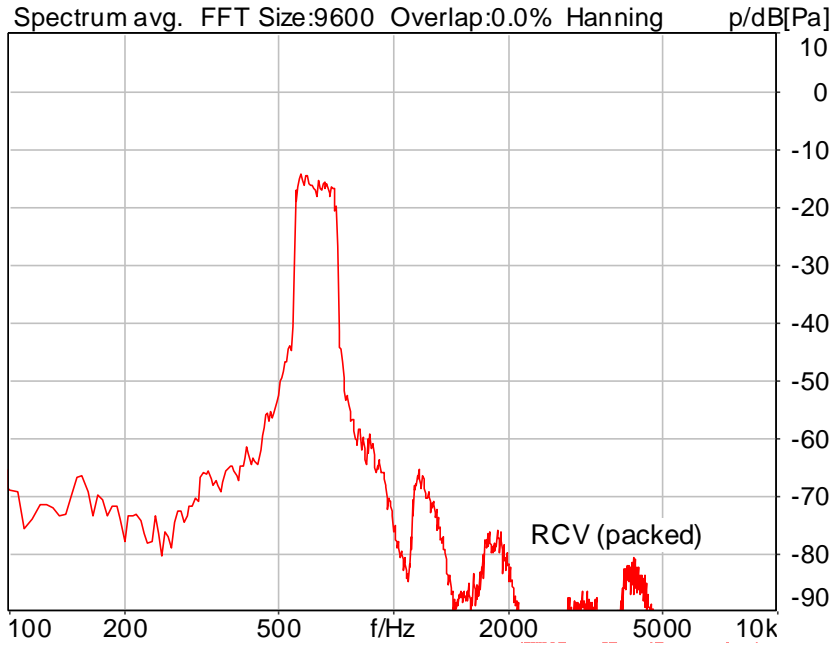
Limits

	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): 39.36 dB (1.08%) Ok

Ok

2023/10/22 上午 09:37 ACQUA 5.1.200

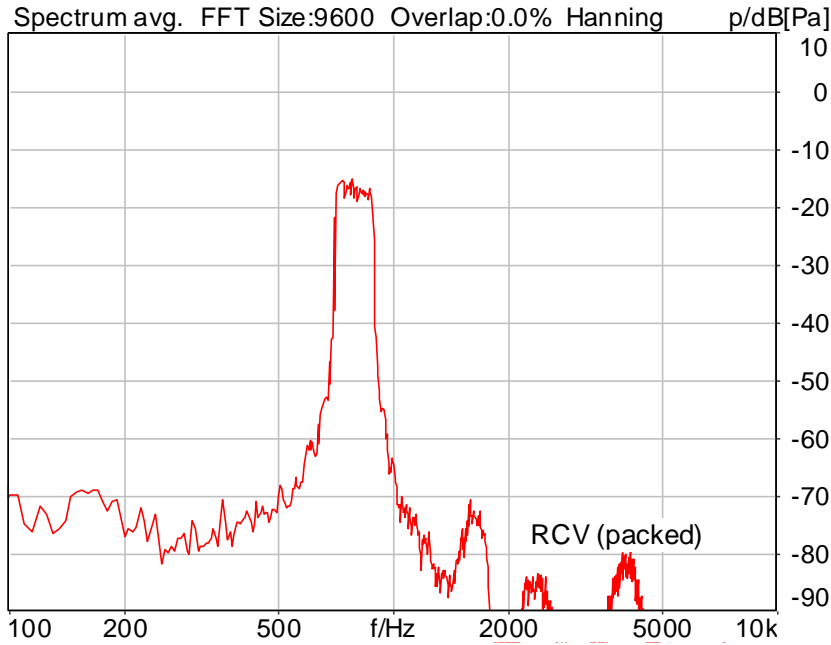
Limits

	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): 41.82 dB (0.81%) Ok

Ok

2023/10/22 上午 09:38 ACQUA 5.1.200

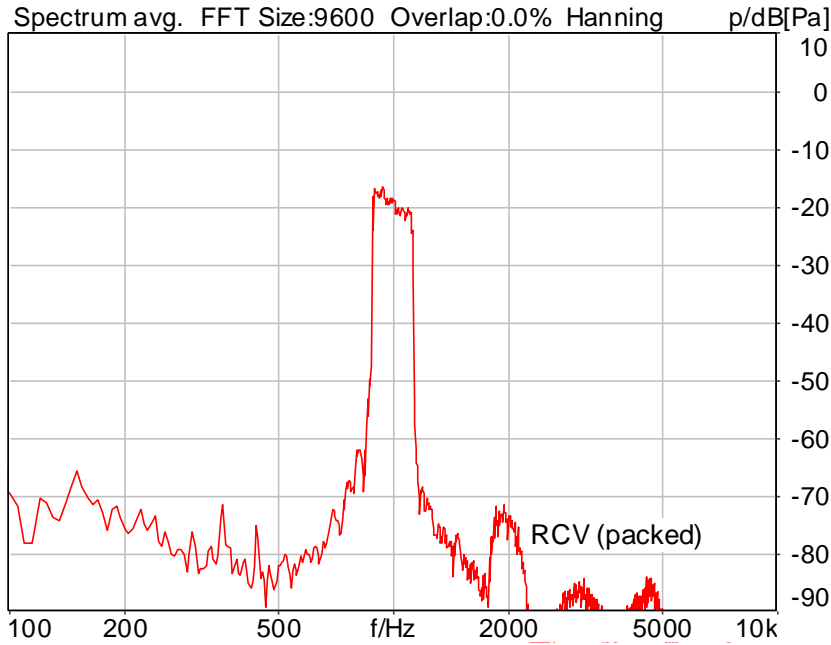
Limits

	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



Distortion (Noise) RCV (packed): 46.20 dB (0.49%) Ok

Ok

2023/10/22 上午 09:38 ACQUA 5.1.200

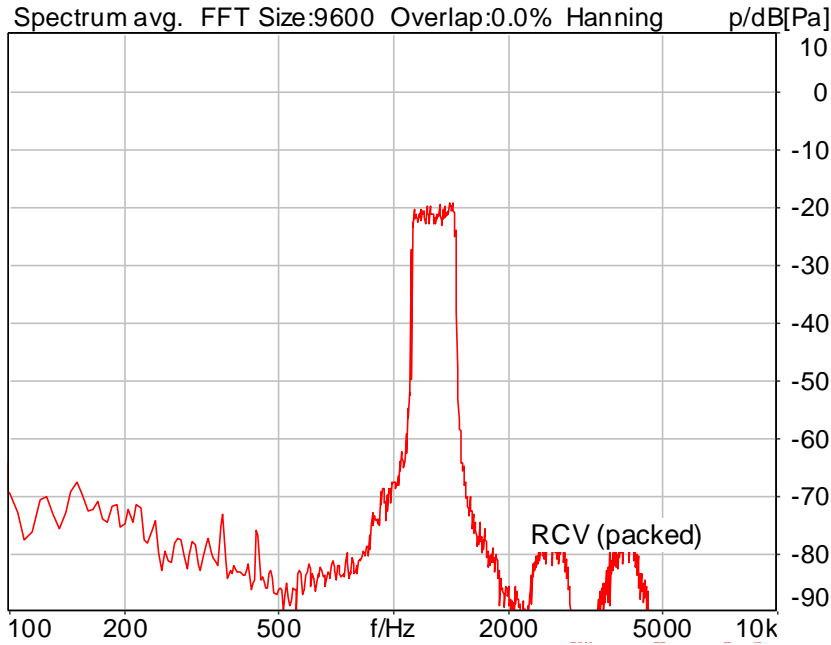
Limits

	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): 32.95 dB (2.25%) Ok

Ok

2023/10/22 上午 09:39 ACQUA 5.1.200

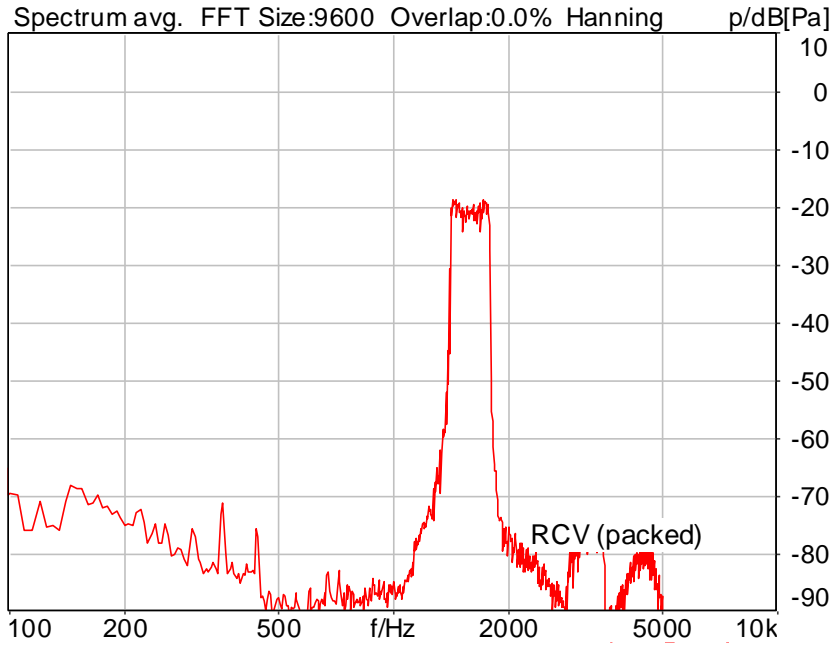
Limits

	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



Distortion (Noise) RCV (packed): 44.27 dB (0.61%) Ok

Ok

2023/10/22 上午 09:39 ACQUA 5.1.200

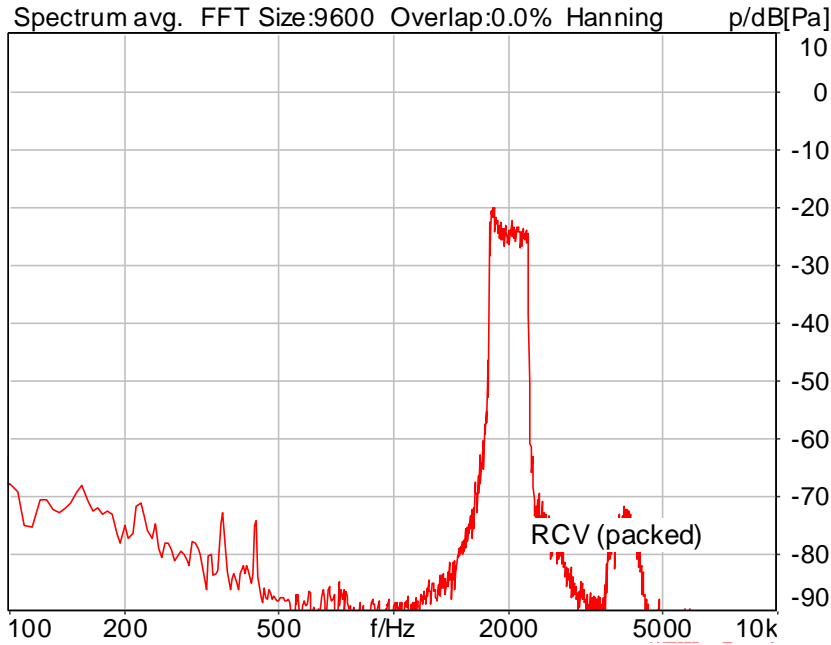
Limits

	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



Distortion (Noise) RCV (packed): 41.19 dB (0.87%) Ok

Ok

2023/10/22 上午 09:39 ACQUA 5.1.200

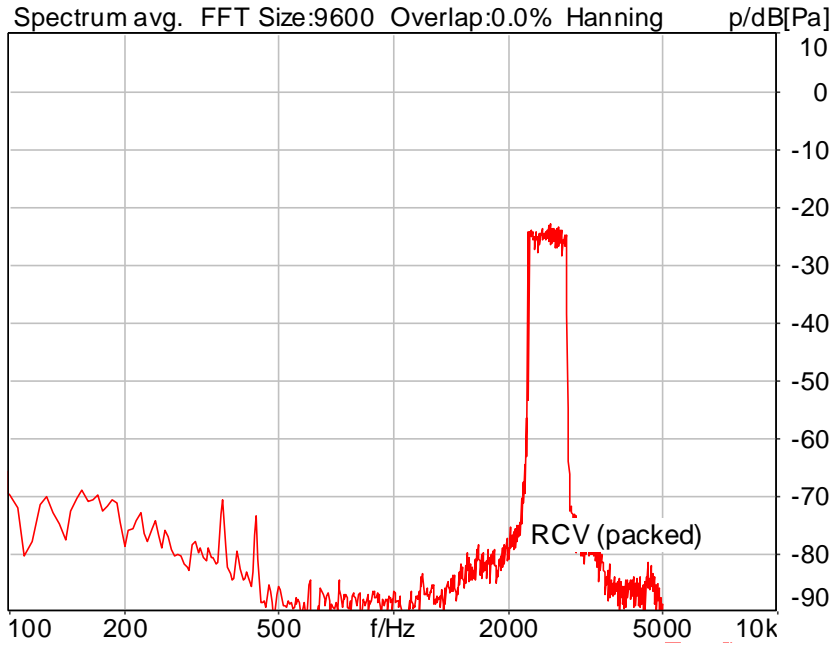
Limits

	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



Distortion (Noise) RCV (packed): 46.03 dB (0.50%) Ok

Ok

2023/10/22 上午 09:40 ACQUA 5.1.200

Limits

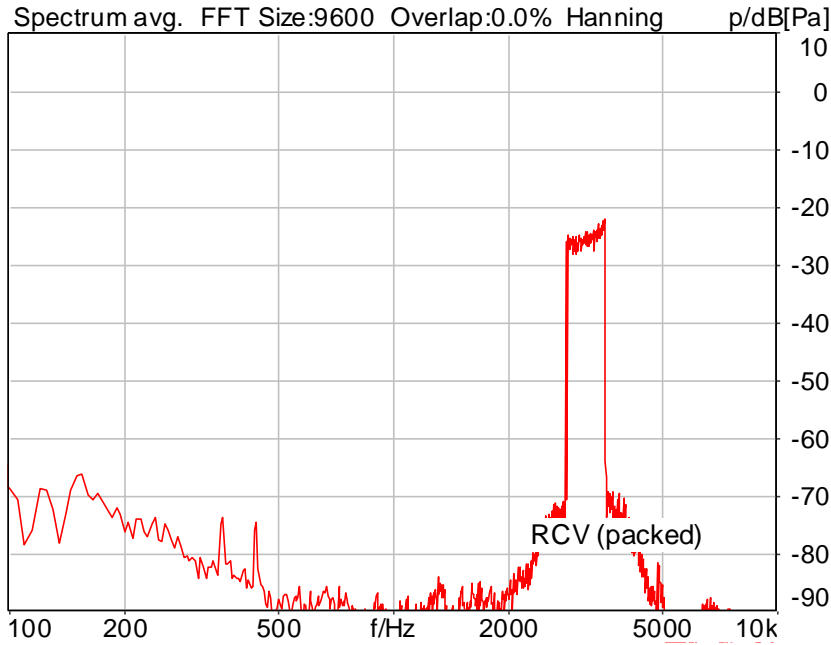
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.80 dB (0.58%) Ok

Ok

2023/10/22 上午 09:40 ACQUA 5.1.200

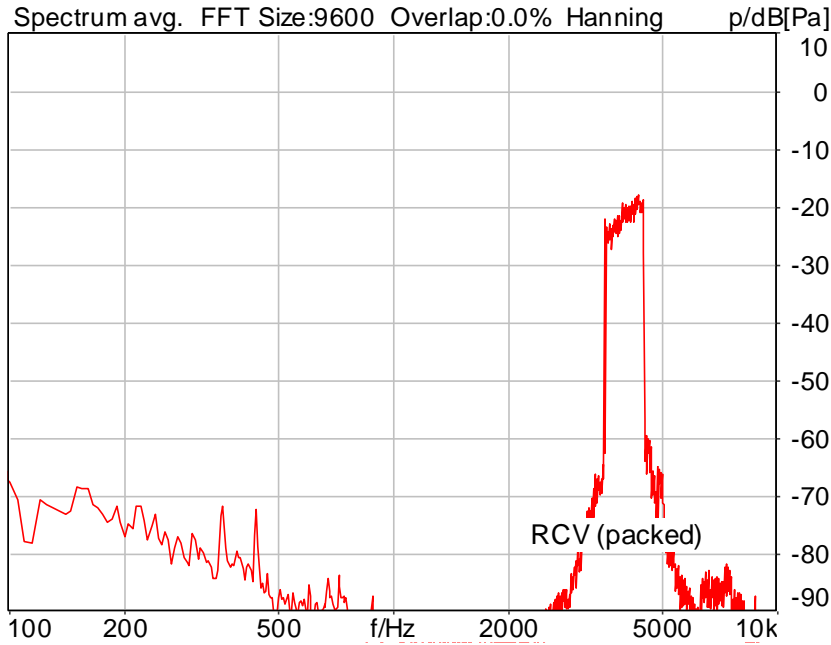
Limits

	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



Distortion (Noise) RCV (packed): 44.33 dB (0.61%) Ok

Ok

2023/10/22 上午 09:41 ACQUA 5.1.200

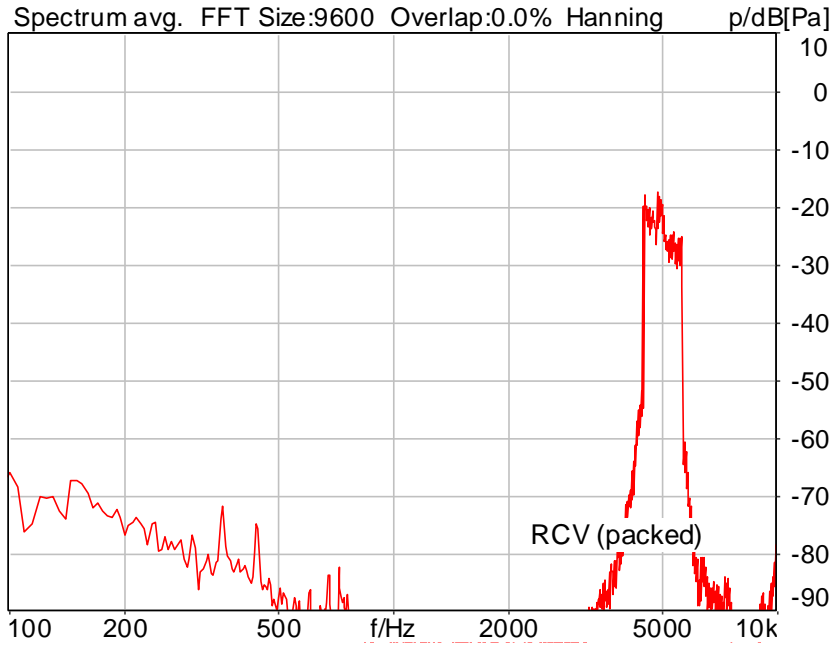
Limits

	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): 39.55 dB (1.05%) Ok

Ok

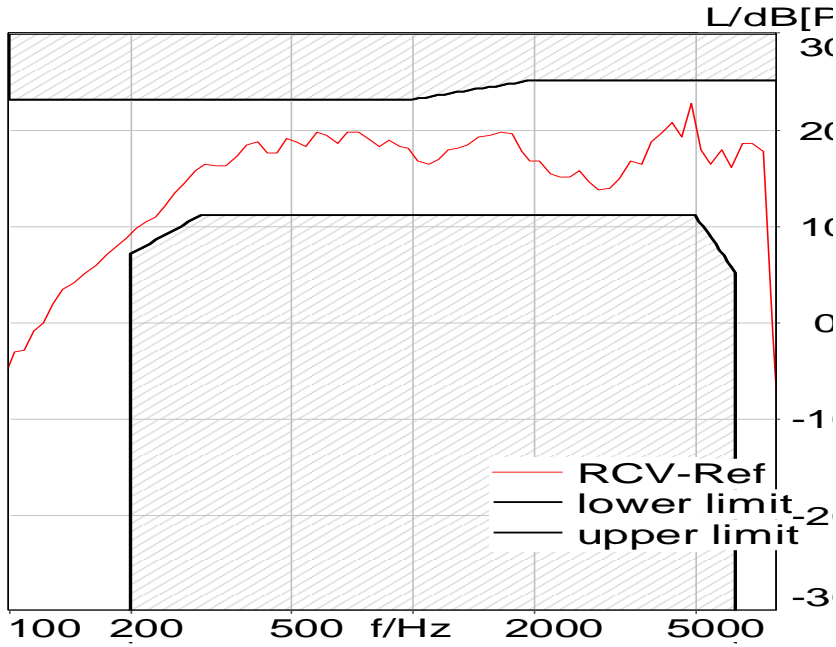
2023/10/22 上午 09:41 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.32 dB at 4870.0 Hz Ok

Ok

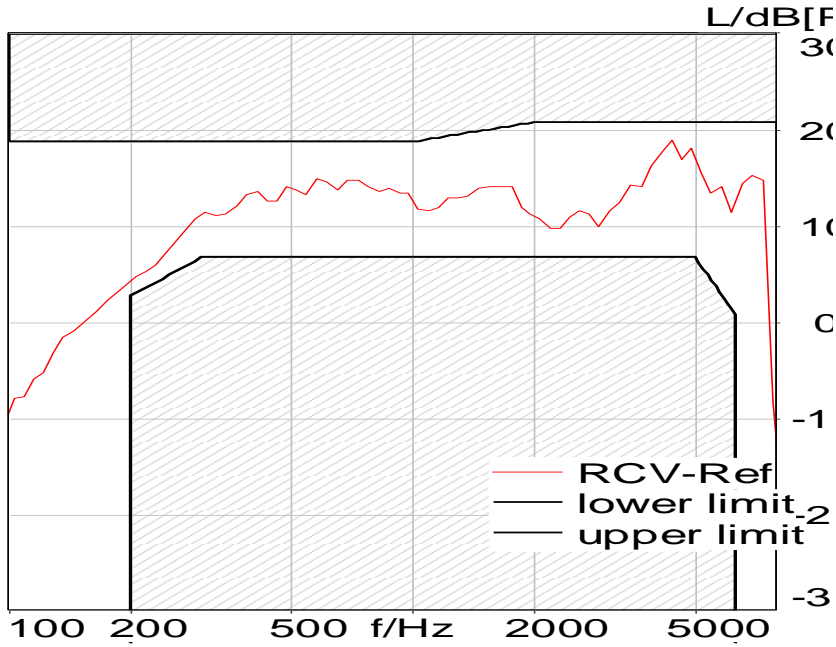
2023/10/22 上午 09:42 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
1.77 dB at 4369.4 Hz Ok

Ok

2023/10/22 上午 09:43 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#3 LTE Band 13 EVS WB 24.4kbps

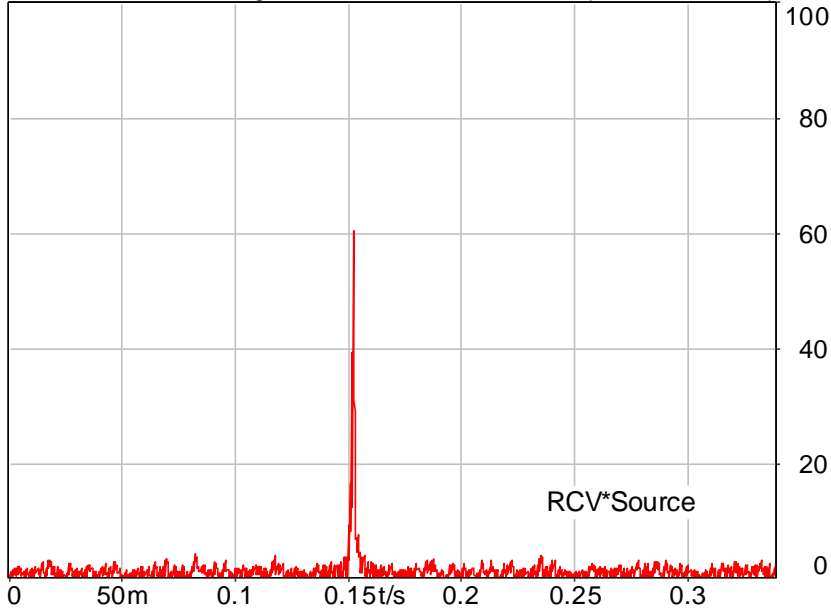
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	152.5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.86
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.06
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.26
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.15
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.90
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.08
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.03
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.92
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.18
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.87
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.91
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.18
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.26
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.00
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.31
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.52
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.18
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.20
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.13
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.22
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.97
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.84
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.21
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.98
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.27
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.21
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.07
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.69
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.42
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.73
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	2.35
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	1.77



### Overall Receive Delay WB

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

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



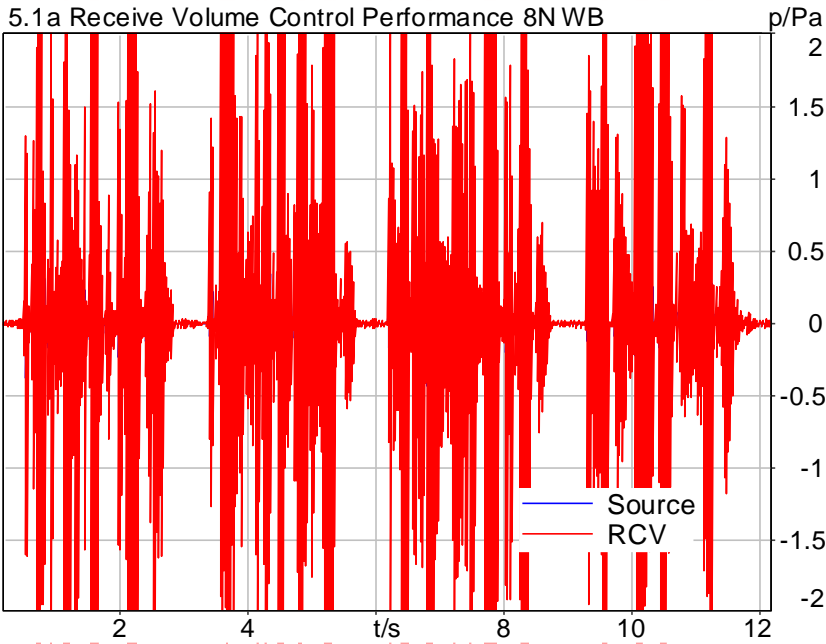
Delay (Cross): 152.5 ms

2023/10/22 上午 10:31 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.86 dB[SPL], Act.: 61.54% Ok

Ok

2023/10/22 上午 10:32 ACQUA 5.1.200

**Limits**

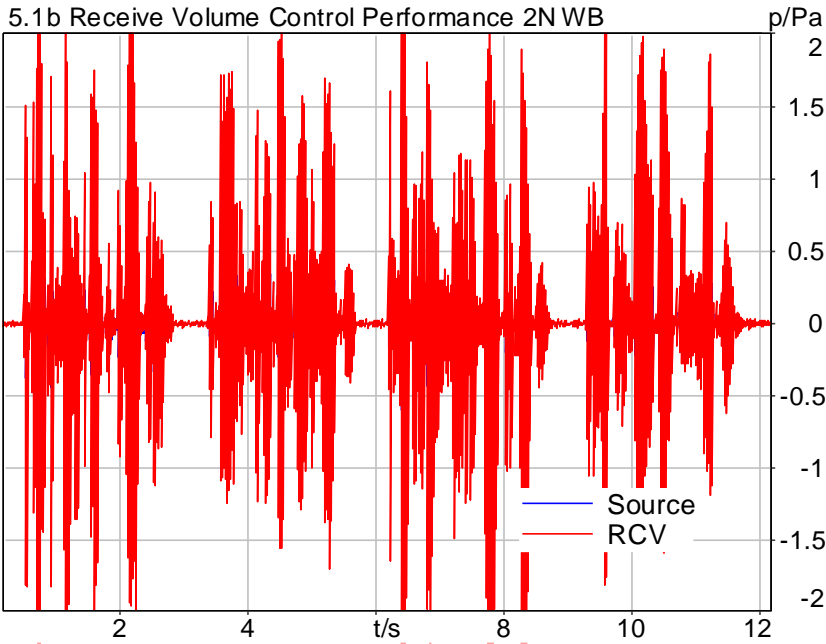
	<b>lower</b>
Run 1	88.00 dB20uPa





### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.06 dB[SPL], Act.: 29.64% Ok

Ok

2023/10/22 上午 10:33 ACQUA 5.1.200

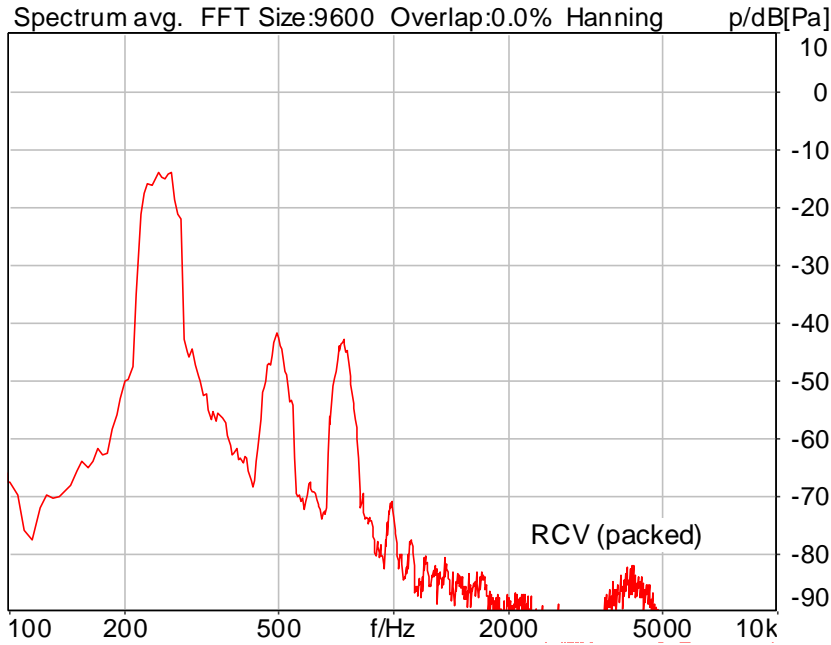
Limits

	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): 27.26 dB (4.34%) Ok

Ok

2023/10/22 上午 10:33 ACQUA 5.1.200

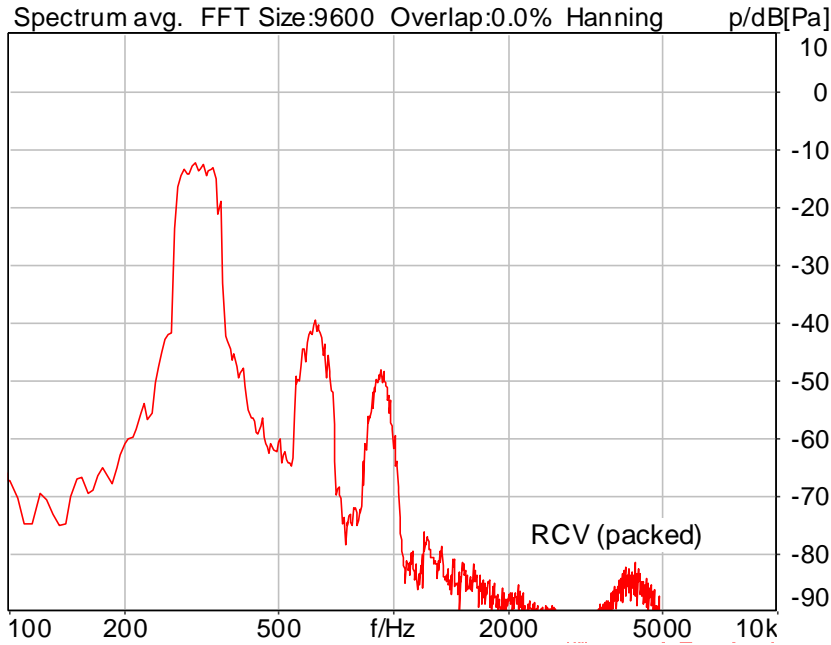
Limits

	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): 28.15 dB (3.91%) Ok

Ok

2023/10/22 上午 10:34 ACQUA 5.1.200

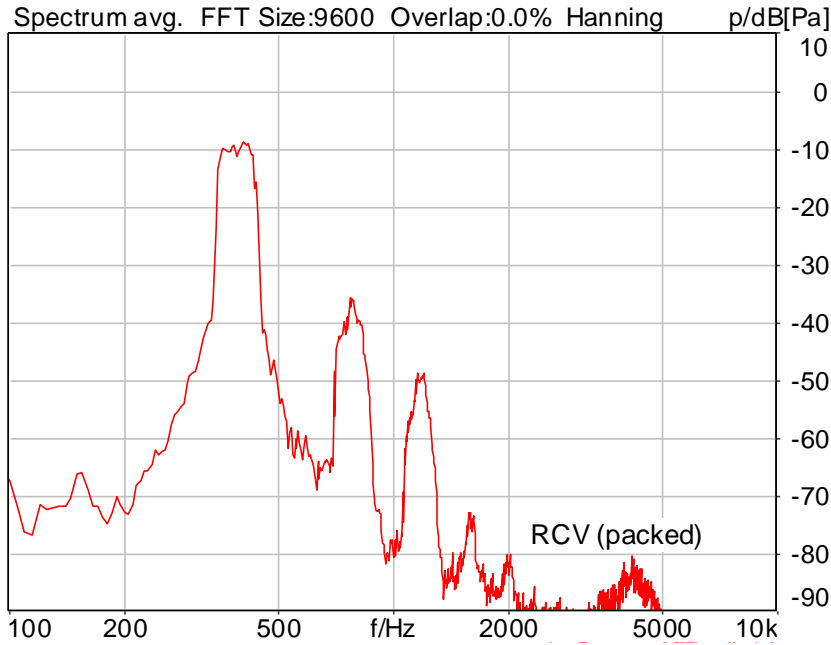
Limits

	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): 27.90 dB (4.03%) Ok

Ok

2023/10/22 上午 10:34 ACQUA 5.1.200

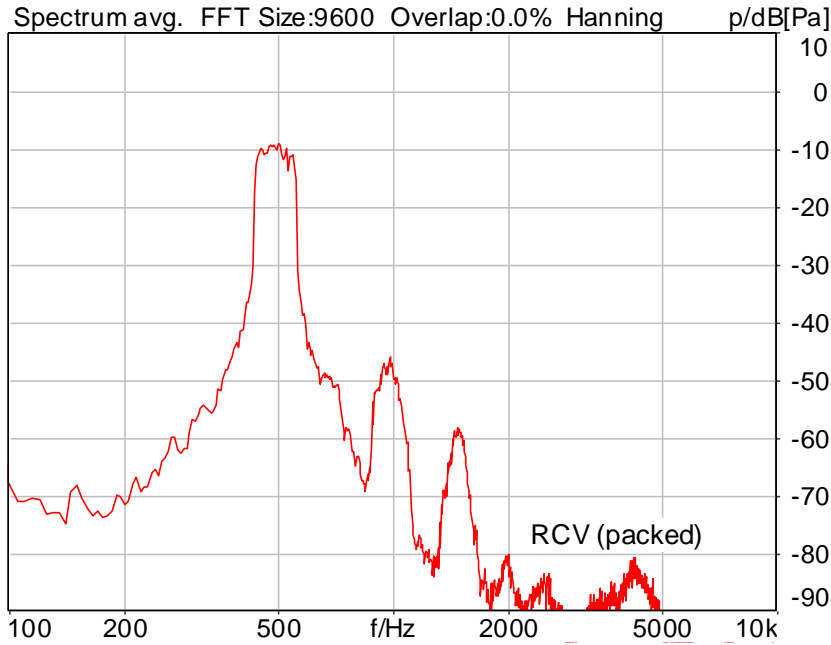
Limits

	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): 34.08 dB (1.98%) Ok

Ok

2023/10/22 上午 10:35 ACQUA 5.1.200

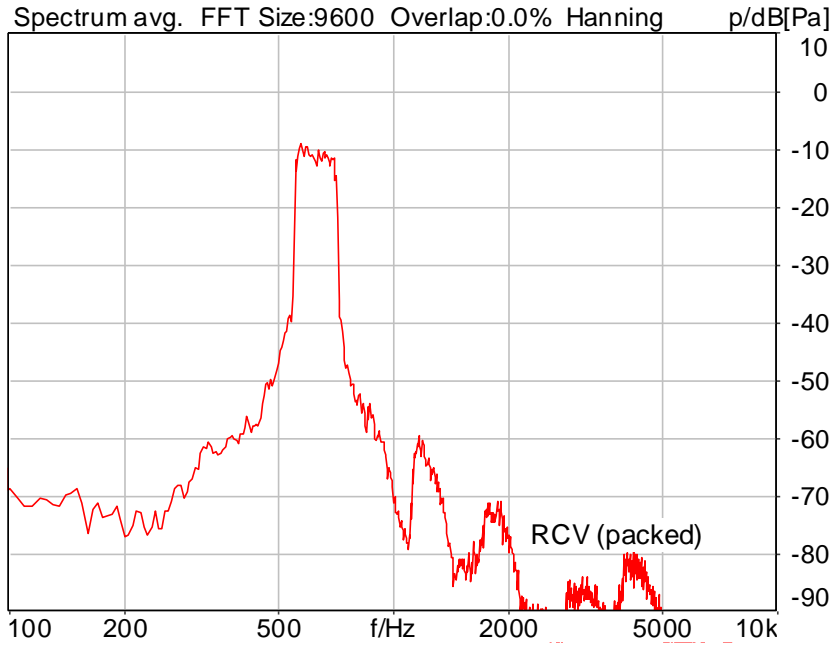
Limits

	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



Distortion (Noise) RCV (packed): 39.03 dB (1.12%) Ok

Ok

2023/10/22 上午 10:35 ACQUA 5.1.200

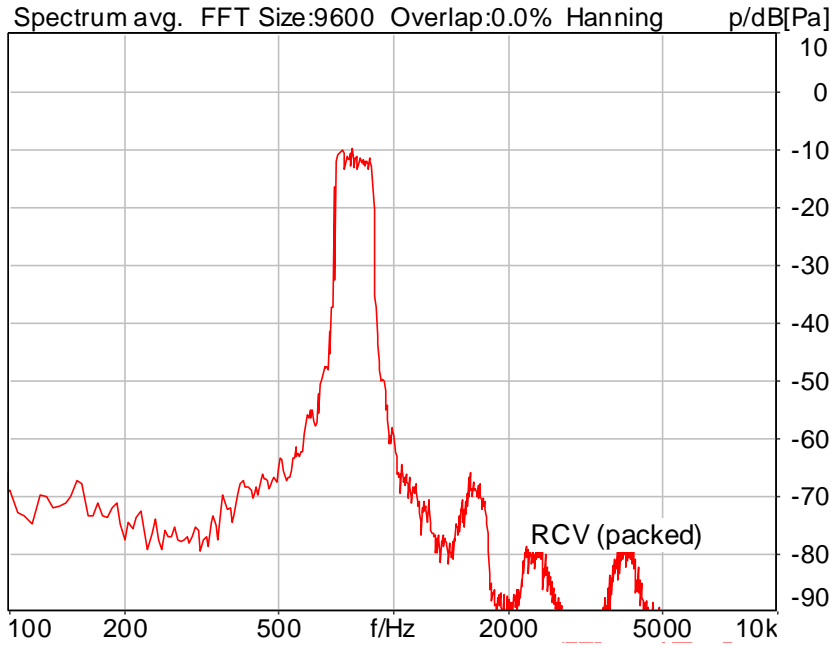
Limits

	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): 41.92 dB (0.80%) Ok

Ok

2023/10/22 上午 10:36 ACQUA 5.1.200

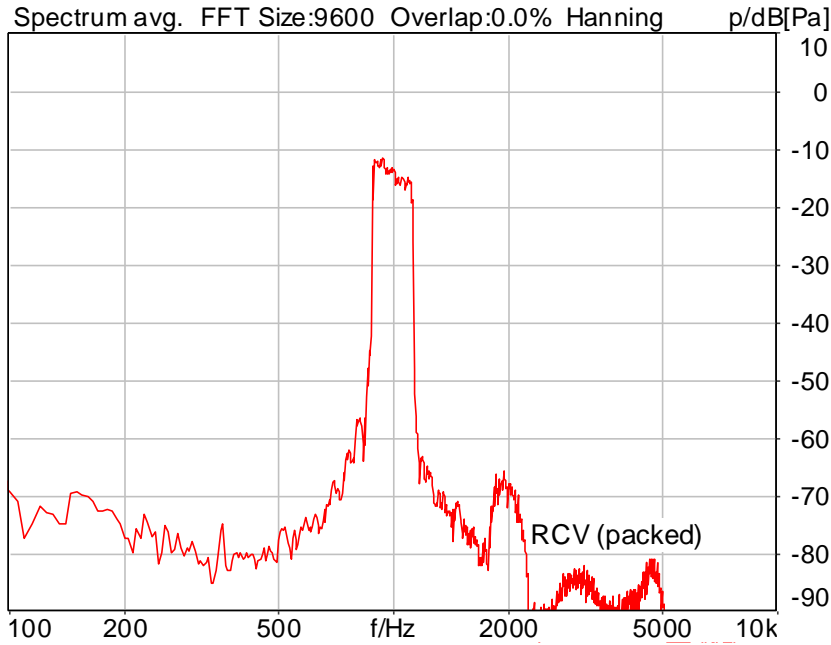
Limits

	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



Ok

2023/10/22 上午 10:36 ACQUA 5.1.200

Limits

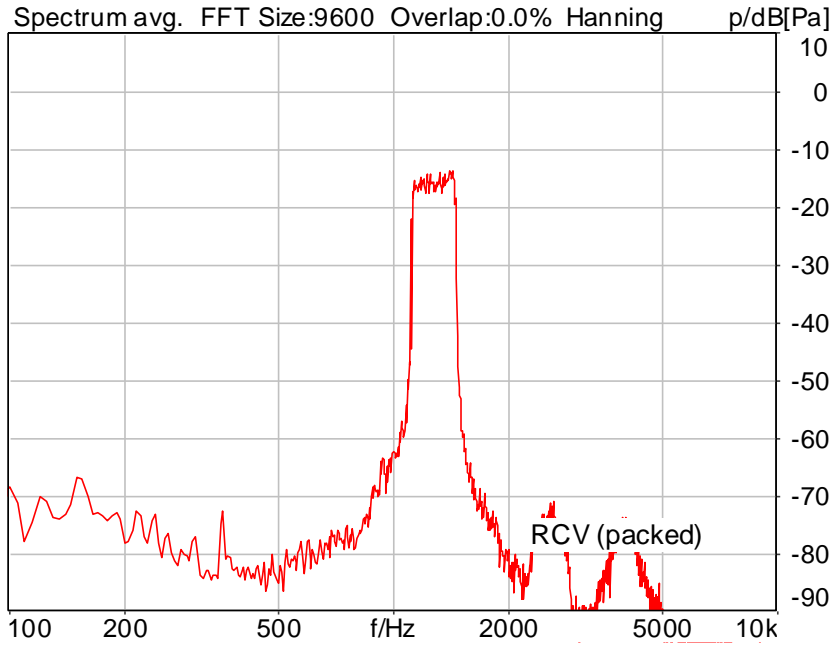
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 32.87 dB (2.27%) Ok

Ok

2023/10/22 上午 10:37 ACQUA 5.1.200

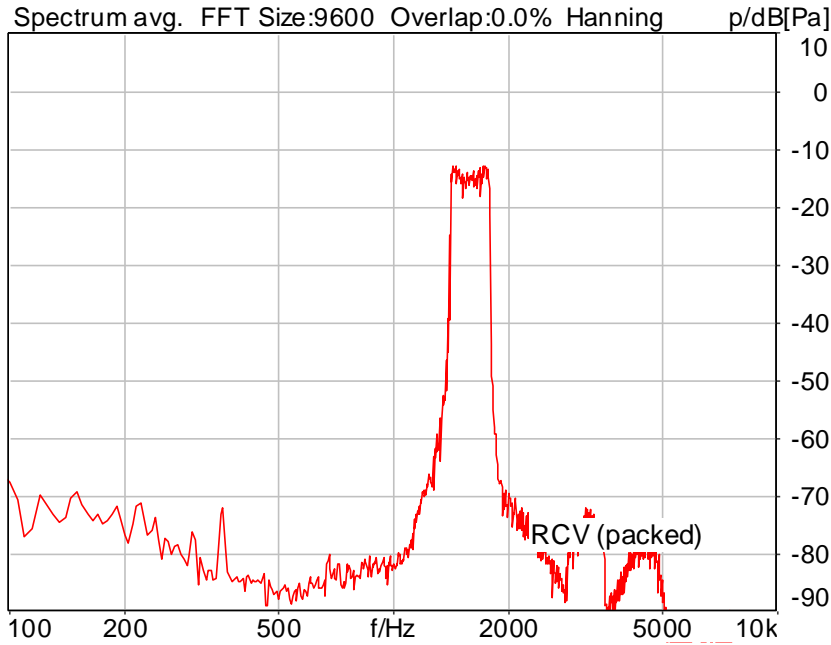
Limits

	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



Distortion (Noise) RCV (packed): 44.91 dB (0.57%) Ok

**Ok**

2023/10/22 上午 10:37 ACQUA 5.1.200

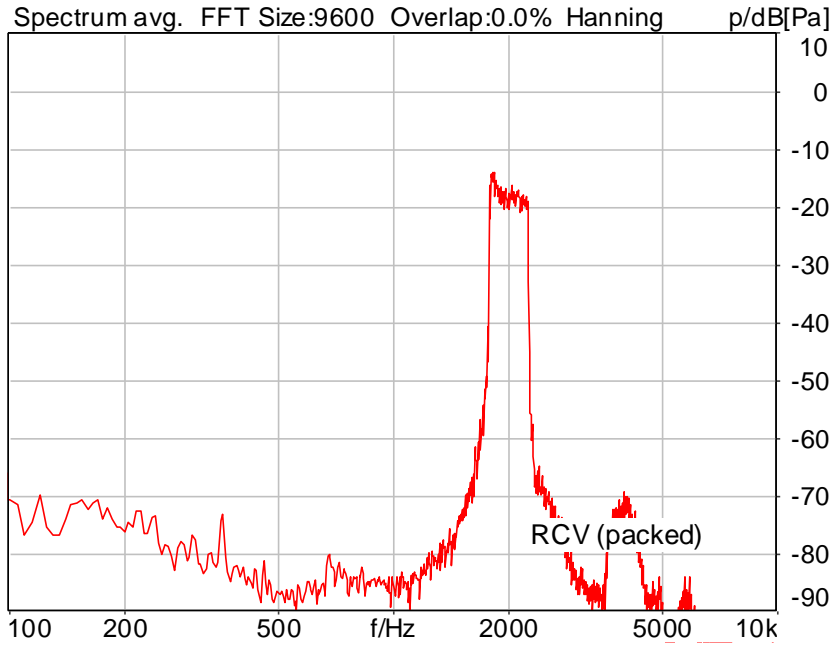
**Limits**

	<b>lower</b>
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): 42.18 dB (0.78%) Ok

Ok

2023/10/22 上午 10:38 ACQUA 5.1.200

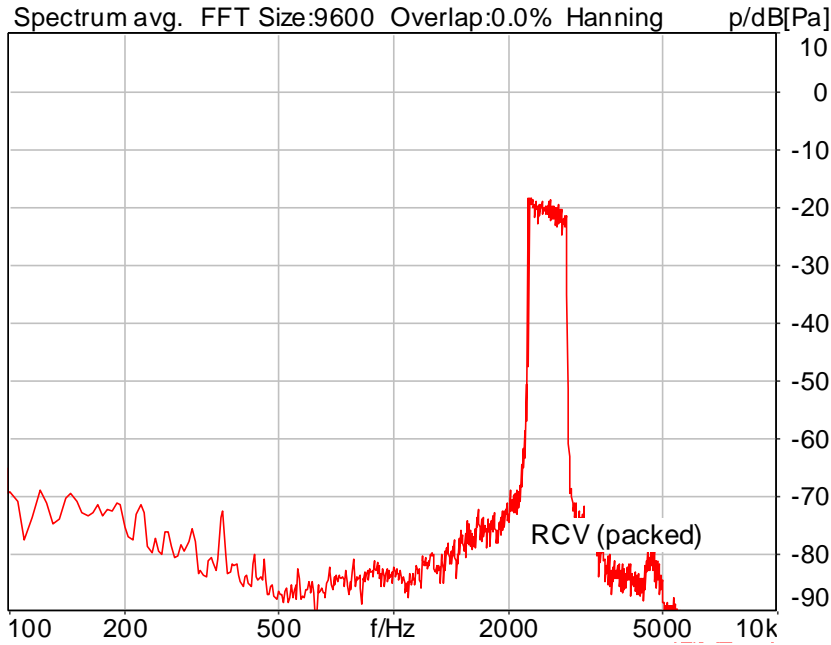
Limits

	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



Distortion (Noise) RCV (packed): 46.26 dB (0.49%) Ok

Ok

2023/10/22 上午 10:38 ACQUA 5.1.200

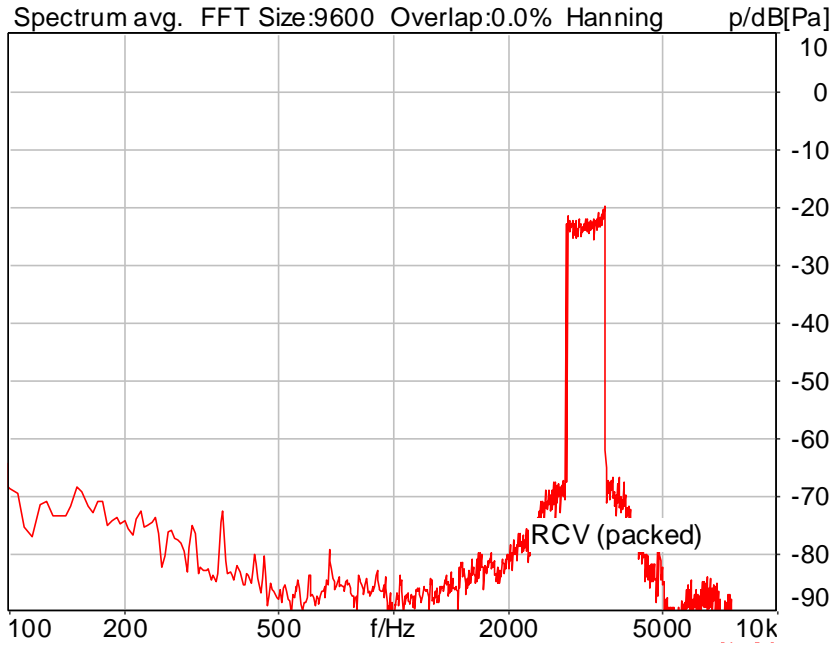
Limits

	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



Distortion (Noise) RCV (packed): 44.00 dB (0.63%) Ok

**Ok**

2023/10/22 上午 10:39 ACQUA 5.1.200

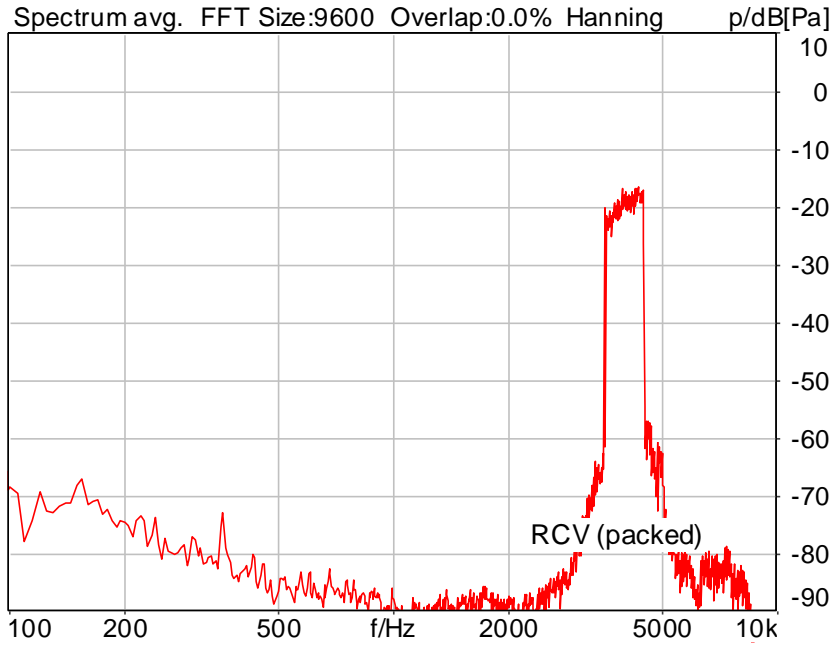
**Limits**

	<b>lower</b>
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): 43.31 dB (0.68%) Ok

Ok

2023/10/22 上午 10:39 ACQUA 5.1.200

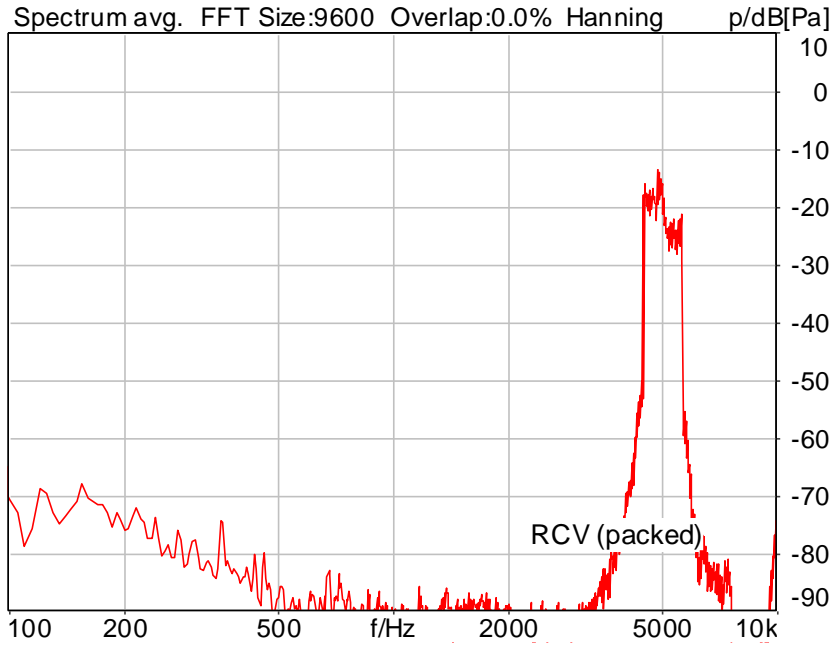
Limits

	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



Distortion (Noise) RCV (packed): 40.52 dB (0.94%) Ok

Ok

2023/10/22 上午 10:39 ACQUA 5.1.200

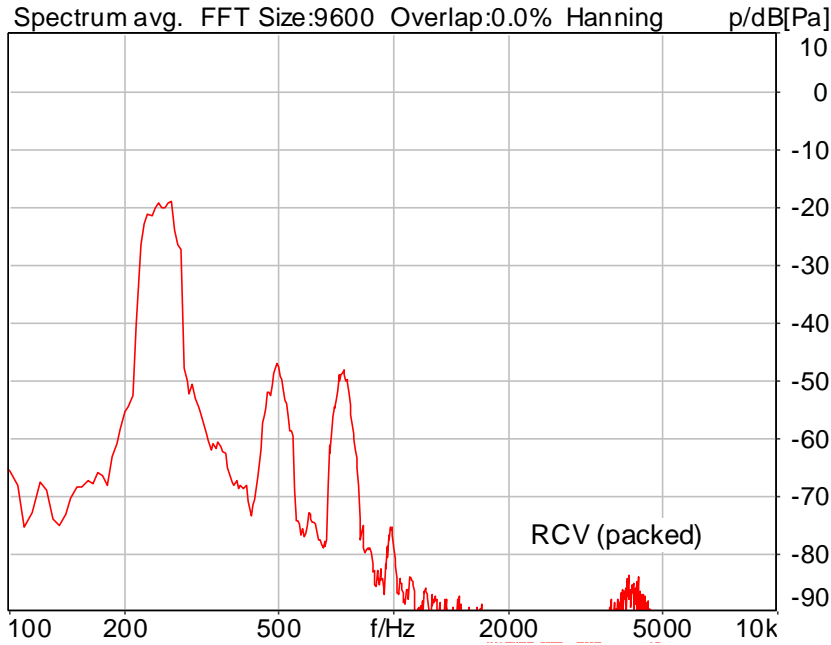
Limits

	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



Distortion (Noise) RCV (packed): 27.18 dB (4.38%) Ok

Ok

2023/10/22 上午 10:40 ACQUA 5.1.200

Limits

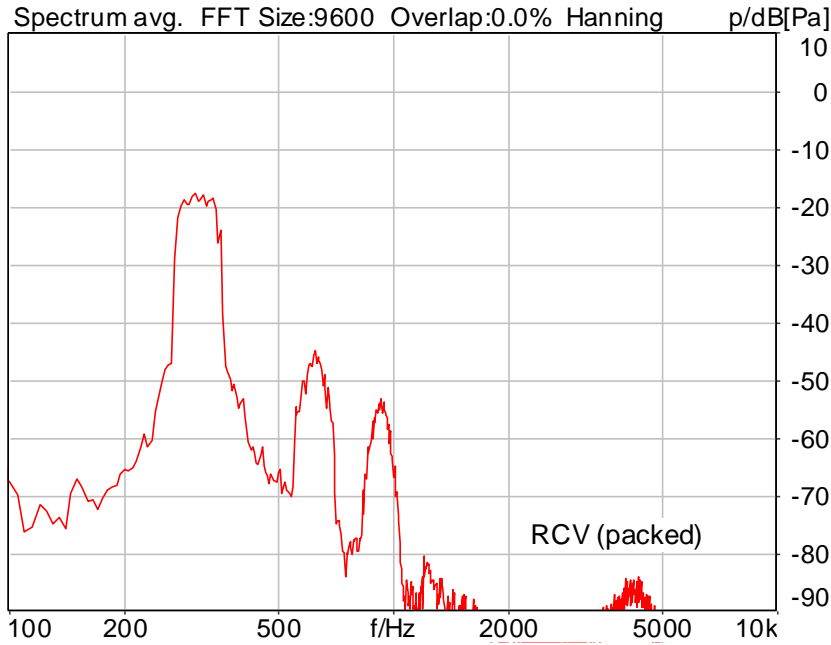
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 28.20 dB (3.89%) Ok

Ok

2023/10/22 上午 10:41 ACQUA 5.1.200

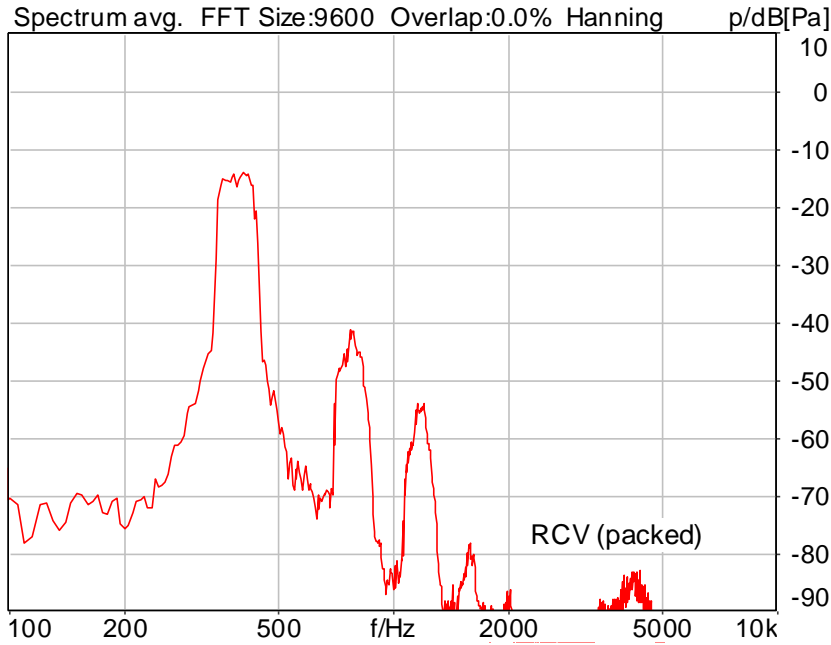
Limits

	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



Distortion (Noise) RCV (packed): 28.13 dB (3.92%) Ok

Ok

2023/10/22 上午 10:41 ACQUA 5.1.200

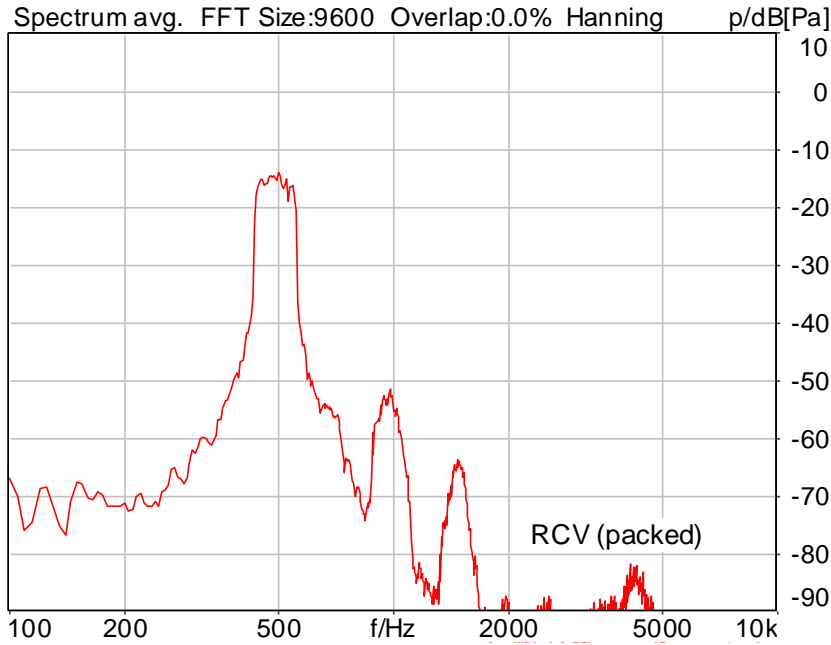
Limits

	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



Distortion (Noise) RCV (packed): 34.22 dB (1.95%) Ok

Ok

2023/10/22 上午 10:42 ACQUA 5.1.200

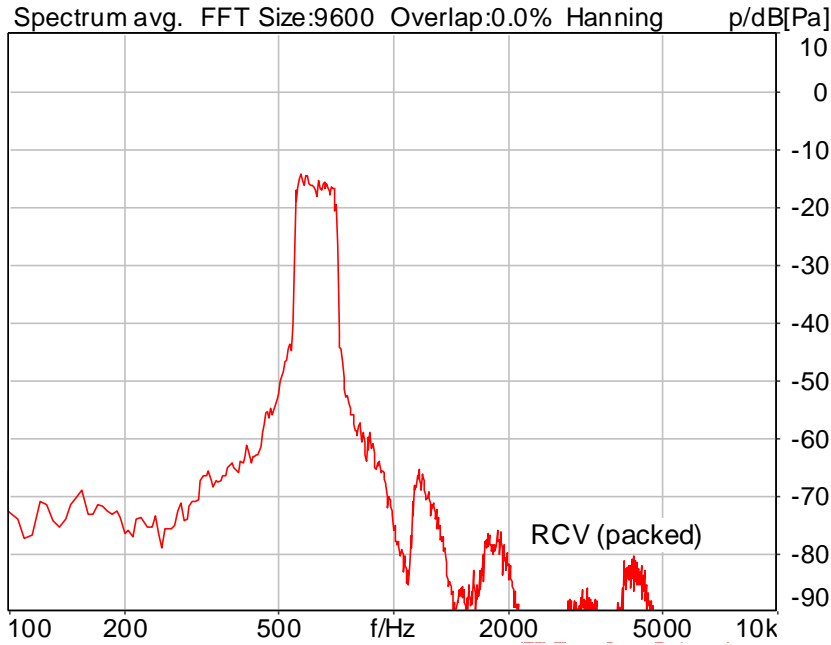
Limits

	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): 38.97 dB (1.13%) Ok

Ok

2023/10/22 上午 10:42 ACQUA 5.1.200

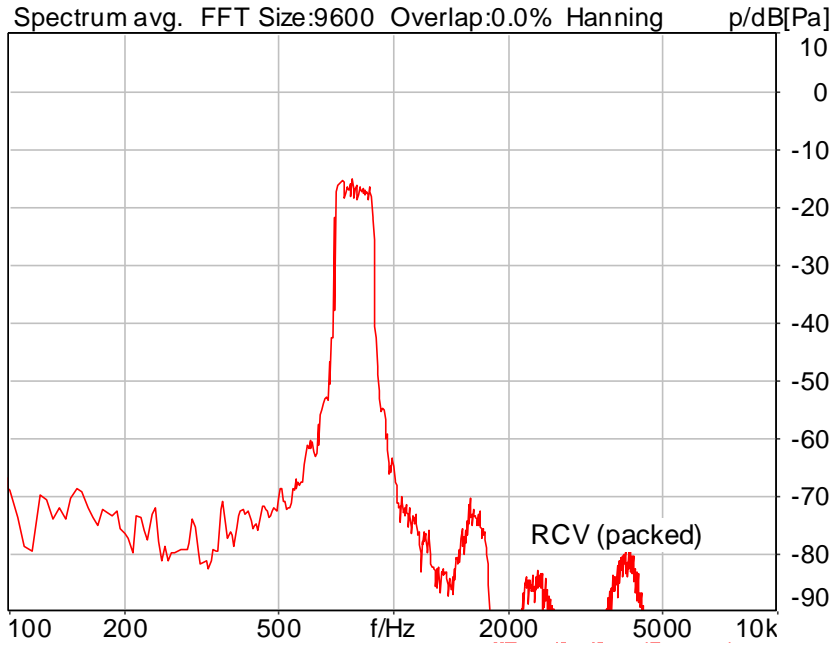
Limits

	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): 41.84 dB (0.81%) Ok

Ok

2023/10/22 上午 10:43 ACQUA 5.1.200

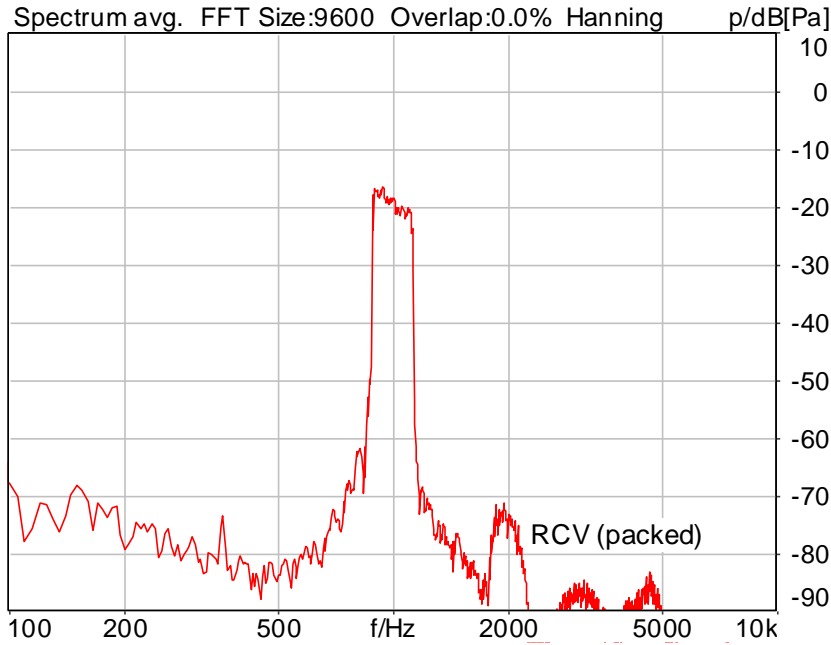
Limits

	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



Distortion (Noise) RCV (packed): 46.21 dB (0.49%) Ok

Ok

2023/10/22 上午 10:43 ACQUA 5.1.200

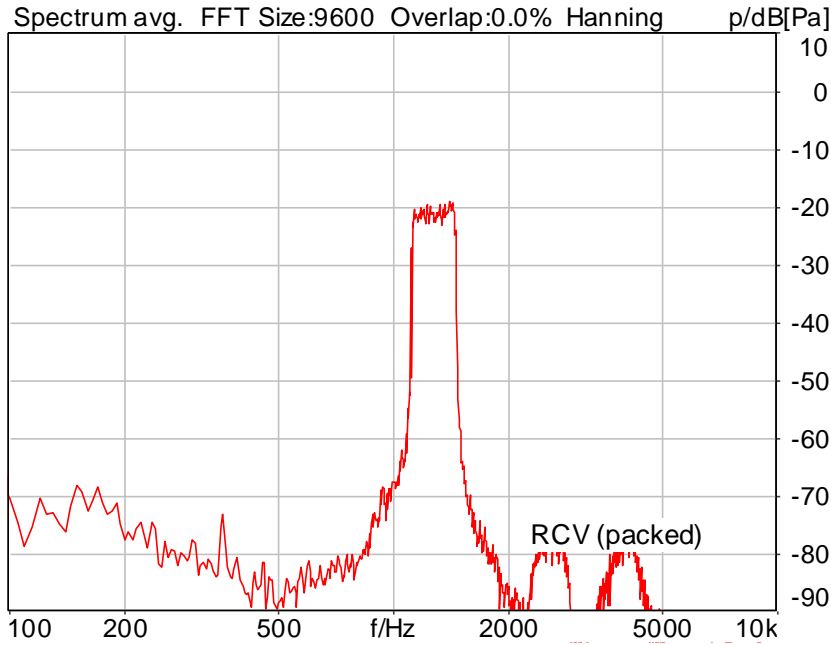
Limits

	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): 32.98 dB (2.24%) Ok

Ok

2023/10/22 上午 10:44 ACQUA 5.1.200

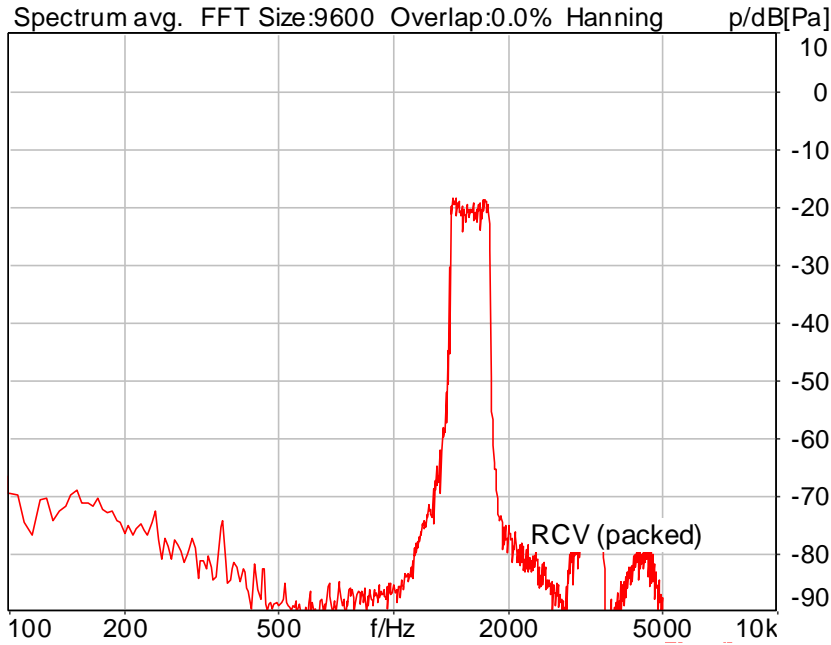
Limits

	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



Distortion (Noise) RCV (packed): 44.27 dB (0.61%) Ok

Ok

2023/10/22 上午 10:44 ACQUA 5.1.200

Limits

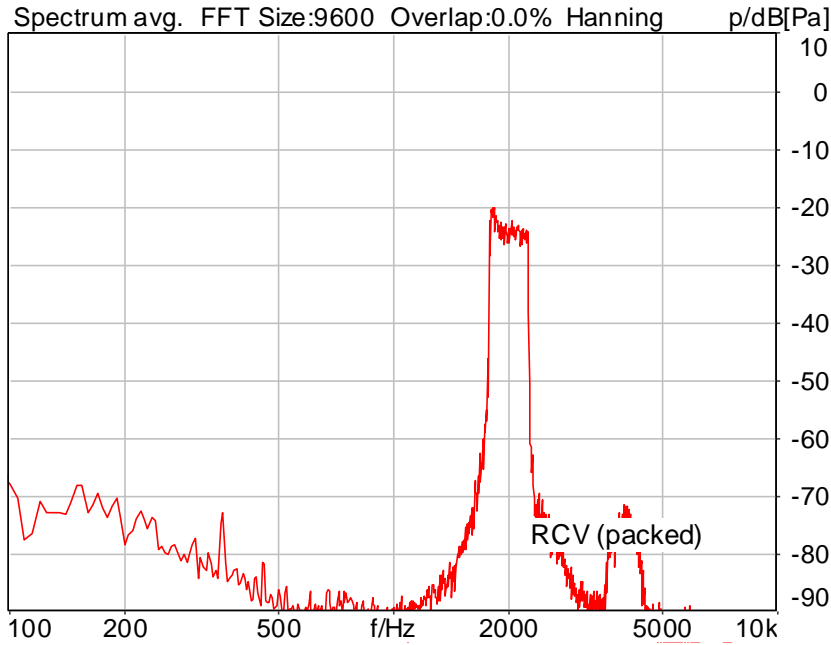
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 41.21 dB (0.87%) Ok

Ok

2023/10/22 上午 10:45 ACQUA 5.1.200

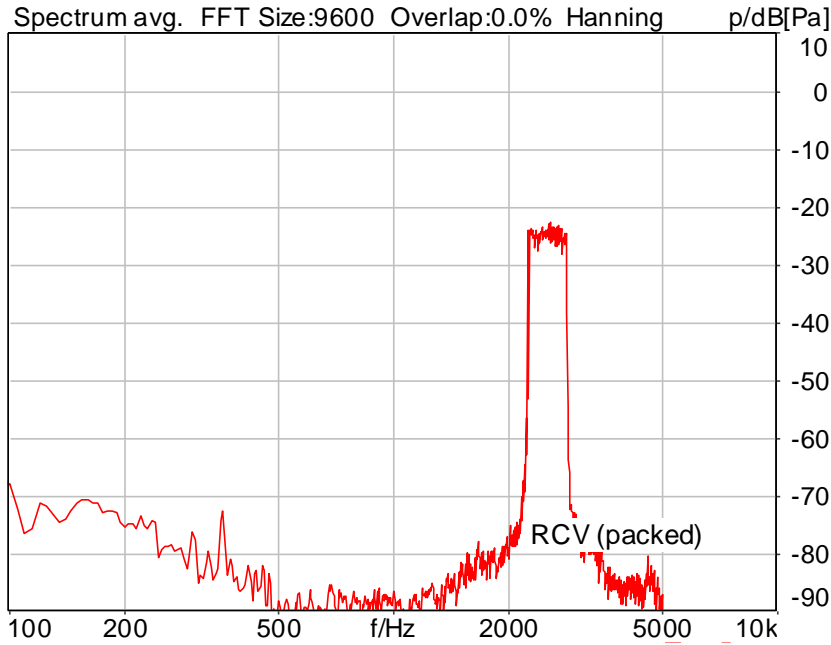
Limits

	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



Distortion (Noise) RCV (packed): 46.07 dB (0.50%) Ok

Ok

2023/10/22 上午 10:45 ACQUA 5.1.200

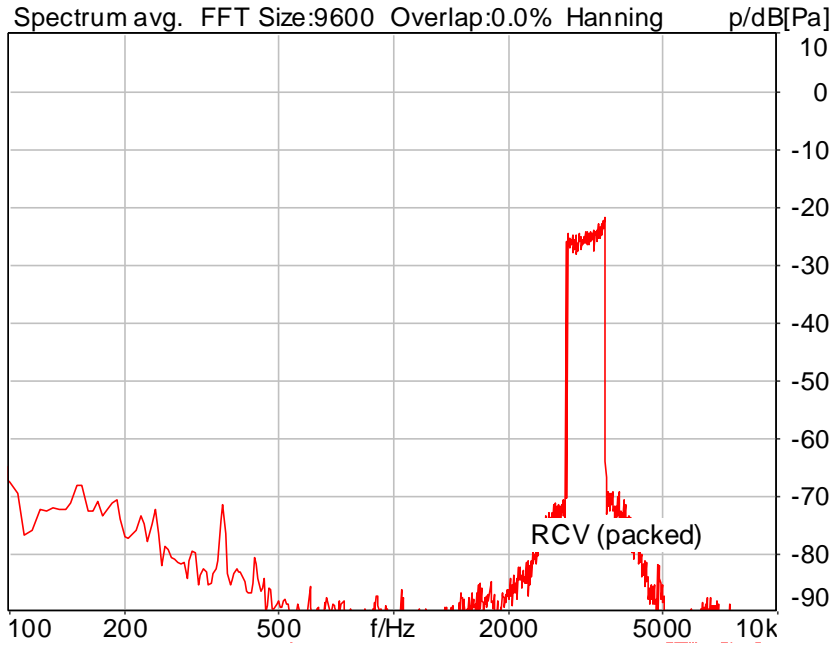
Limits

	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



Distortion (Noise) RCV (packed): 44.69 dB (0.58%) Ok

Ok

2023/10/22 上午 10:46 ACQUA 5.1.200

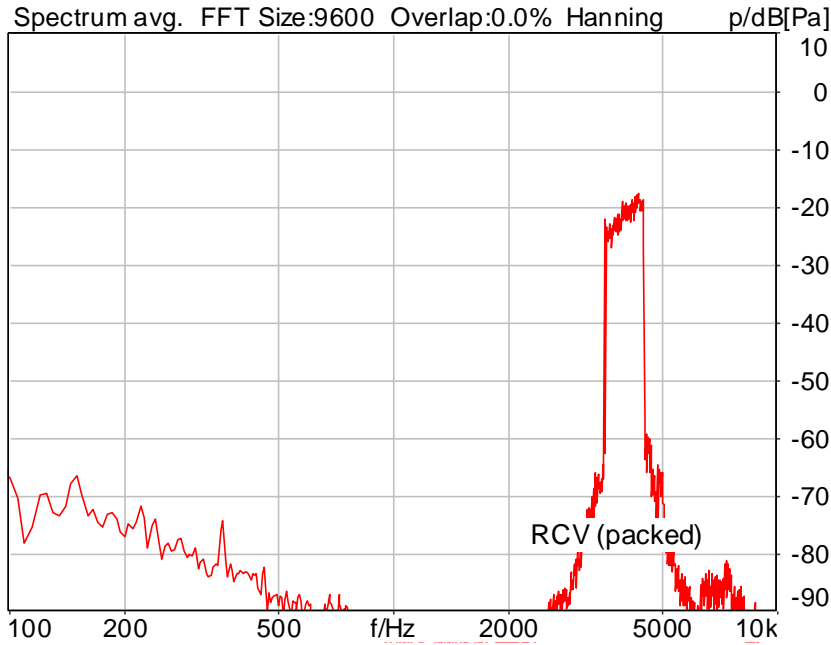
Limits

	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



Distortion (Noise) RCV (packed): 44.42 dB (0.60%) Ok

Ok

2023/10/22 上午 10:46 ACQUA 5.1.200

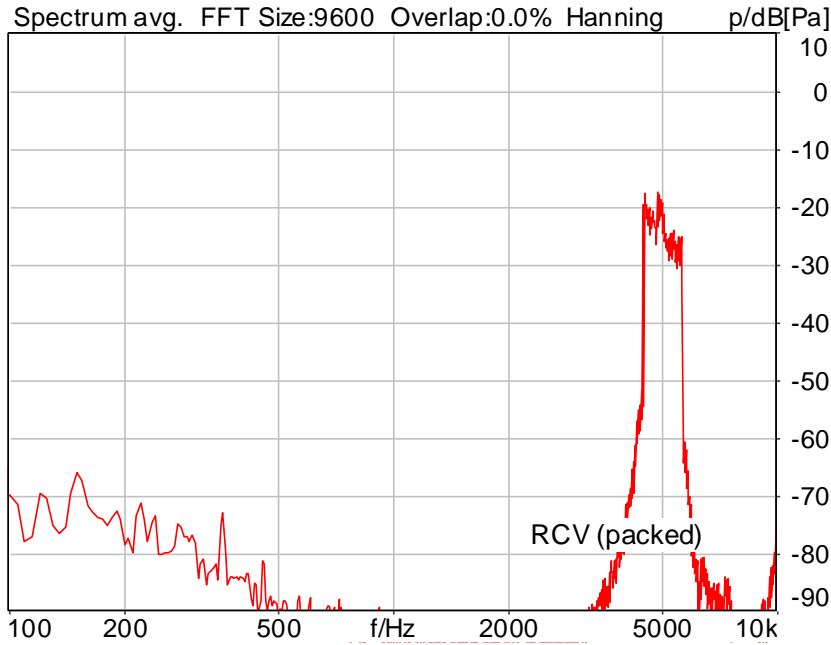
Limits

	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): 39.73 dB (1.03%) Ok

Ok

2023/10/22 上午 10:47 ACQUA 5.1.200

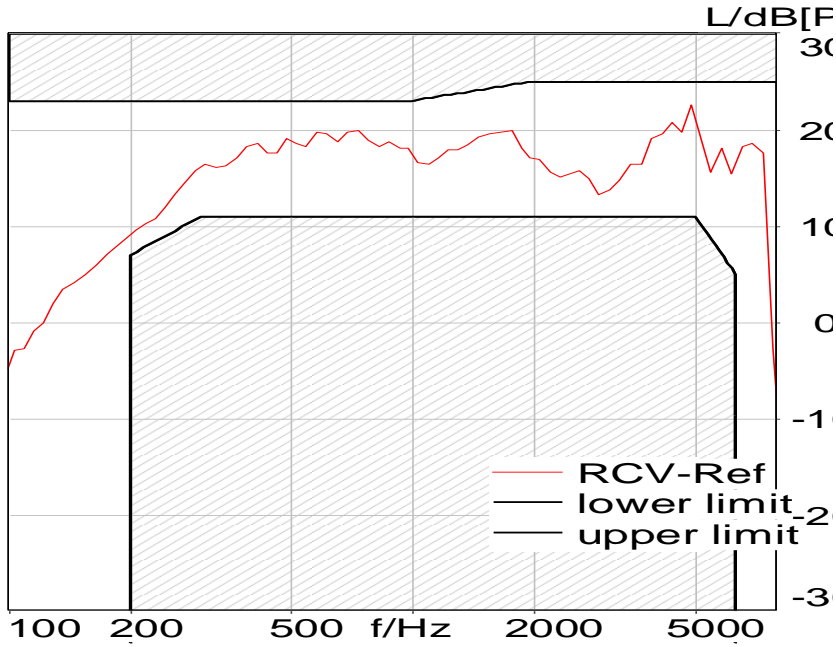
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.35 dB at 4870.0 Hz Ok

Ok

2023/10/22 上午 10:47 ACQUA 5.1.200

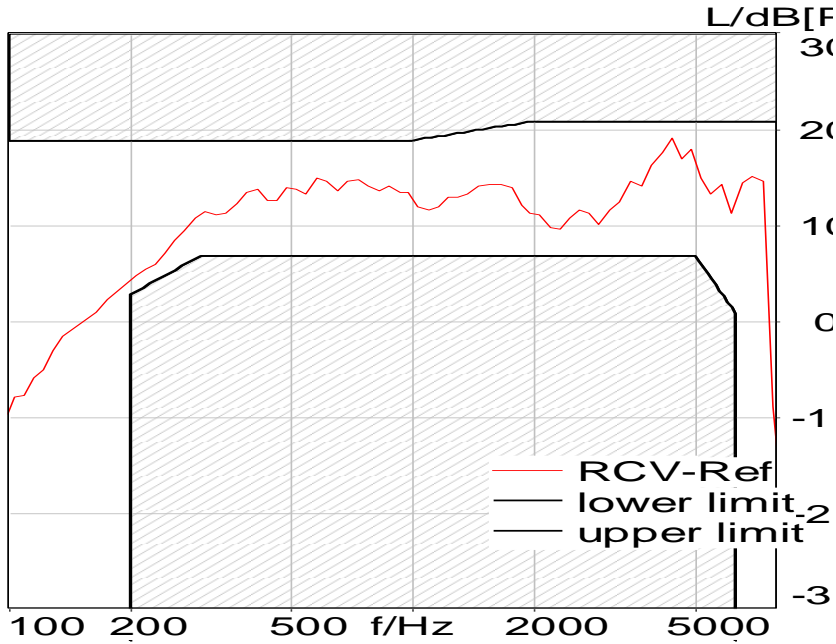
#### Limits

	lower
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
1.77 dB at 4369.4 Hz Ok

Ok

2023/10/22 上午 10:48 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#4 LTE Band 14 EVS WB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	151.3
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.08
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	87.84
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.27
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.81
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.92
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.11
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.02
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.06
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.21
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.87
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.45
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.22
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.10
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.00
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.42
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.87
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.19
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.25
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.15
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.22
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.34
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.72
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.20
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.13
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.28
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.22
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.08
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.73
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.61
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.27
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 731.5 Hz	2.77
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	1.72

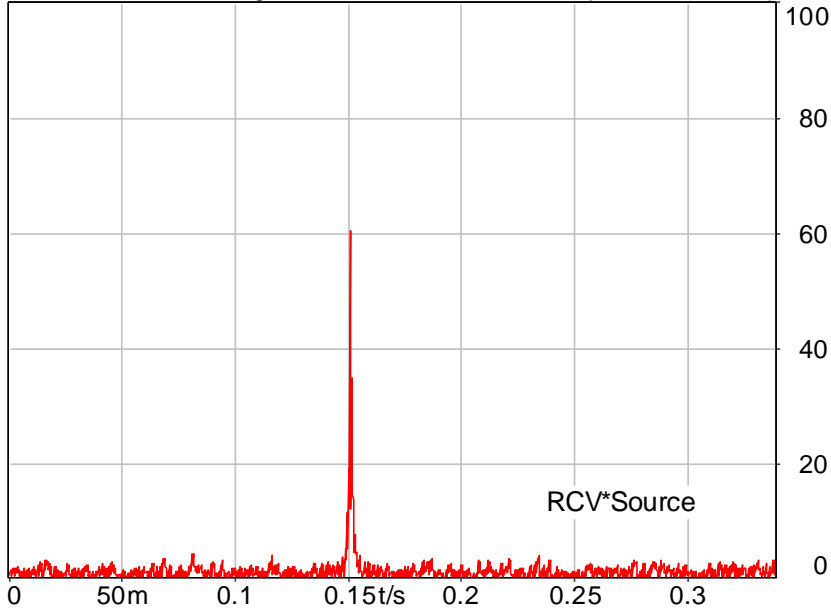




### Overall Receive Delay WB

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

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



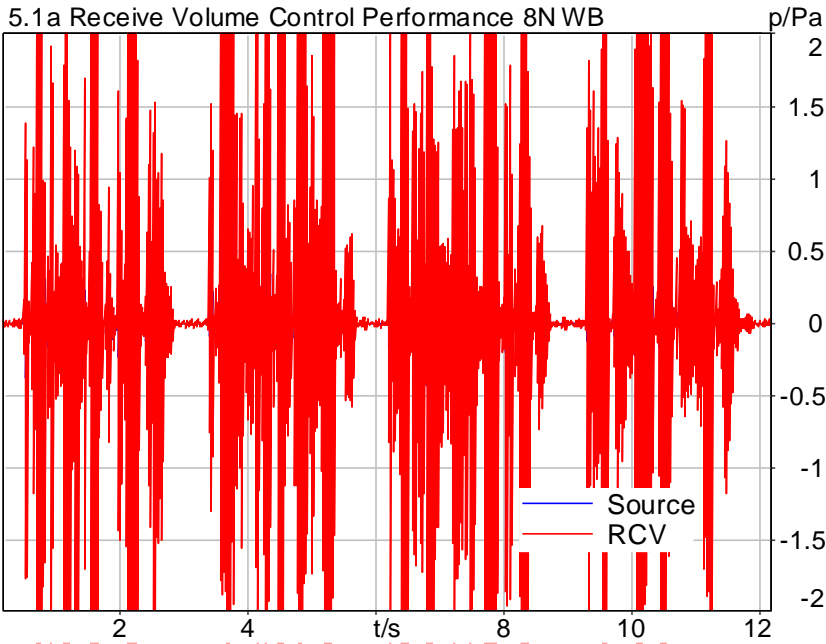
Delay (Cross): 151.3 ms

2023/10/22 上午 10:53 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.08 dB[SPL], Act.: 59.49% Ok

Ok

2023/10/22 上午 10:53 ACQUA 5.1.200

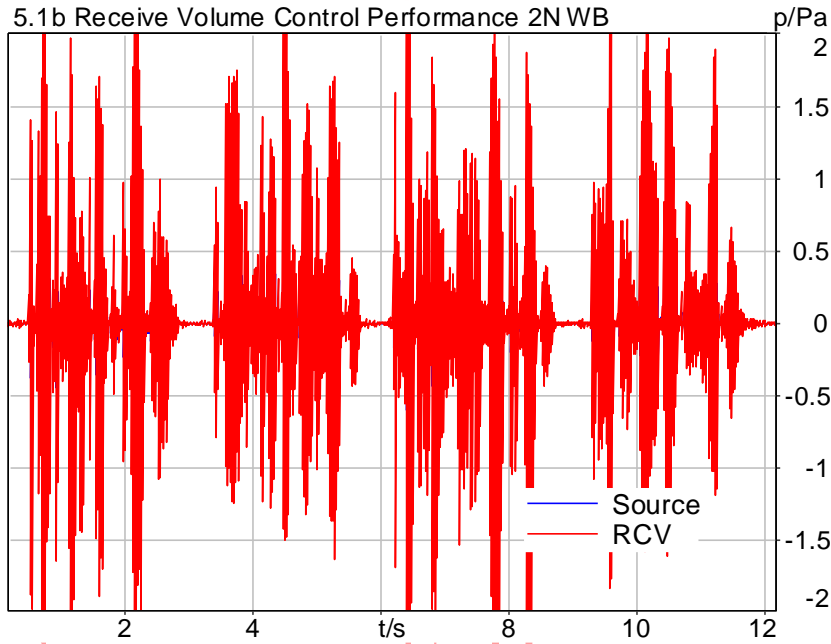
**Limits**

	<b>lower</b>
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 87.84 dB[SPL], Act.: 32.67% Ok

Ok

2023/10/22 上午 10:54 ACQUA 5.1.200

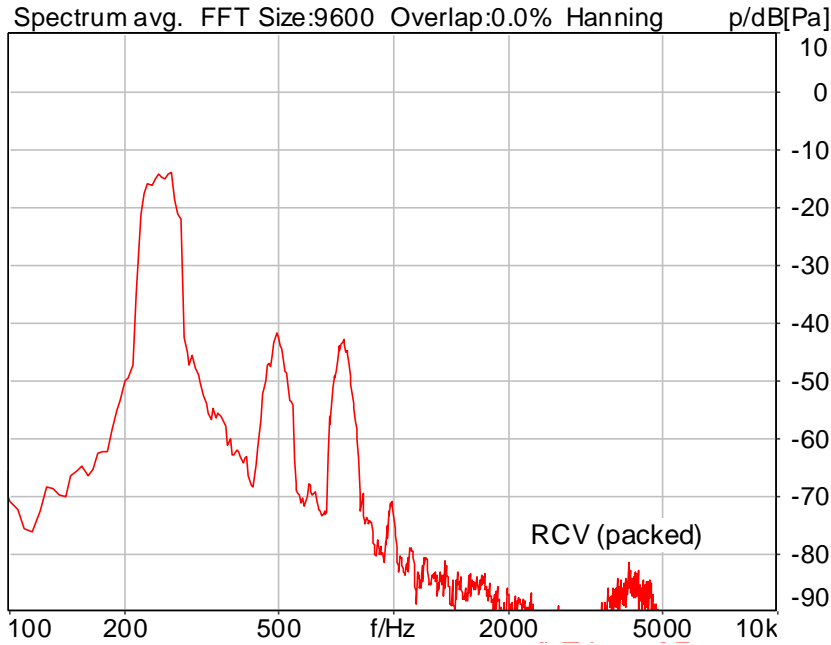
Limits

	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): 27.27 dB (4.33%) Ok

Ok

2023/10/22 上午 10:55 ACQUA 5.1.200

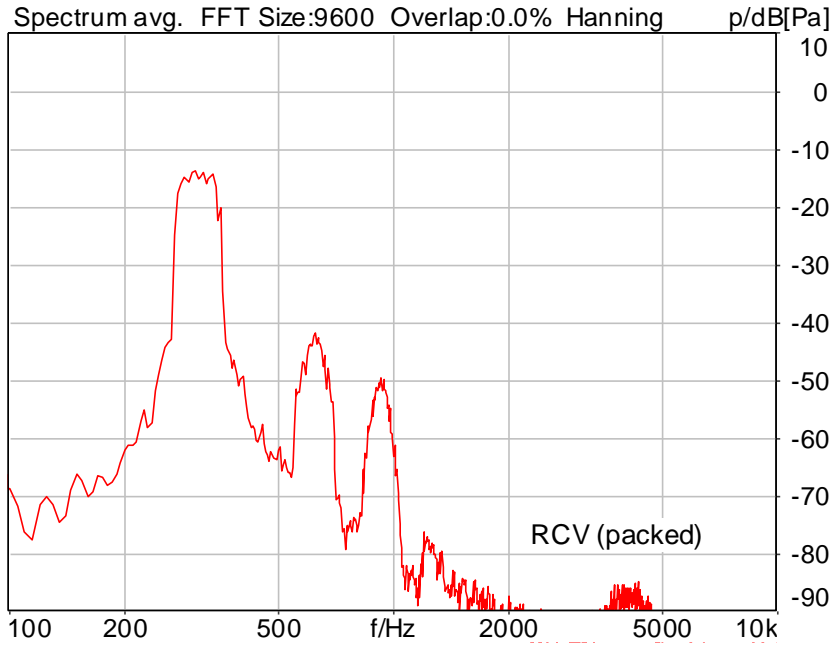
Limits

	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): 28.81 dB (3.63%) Ok

Ok

2023/10/22 上午 11:13 ACQUA 5.1.200

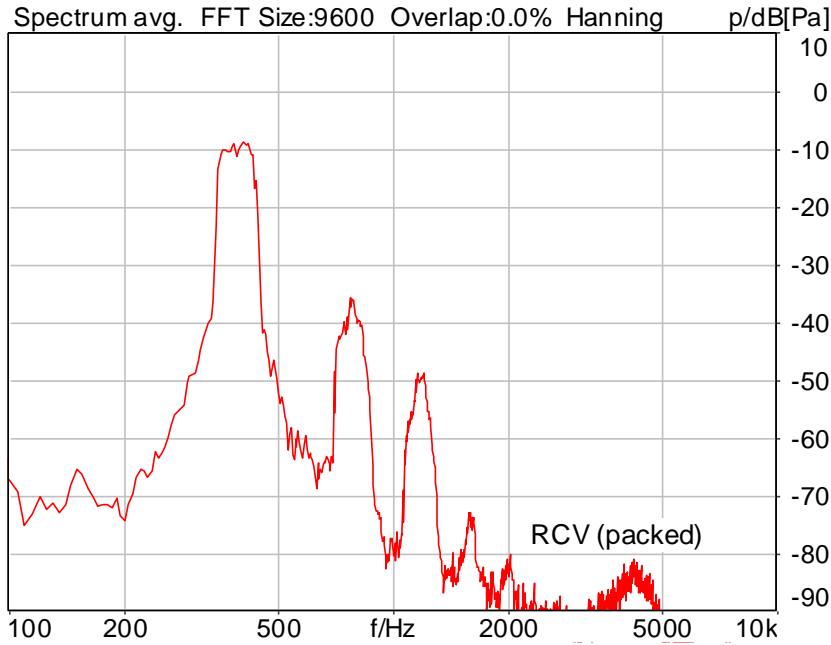
Limits

	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): 27.92 dB (4.02%) Ok

Ok

2023/10/22 上午 10:56 ACQUA 5.1.200

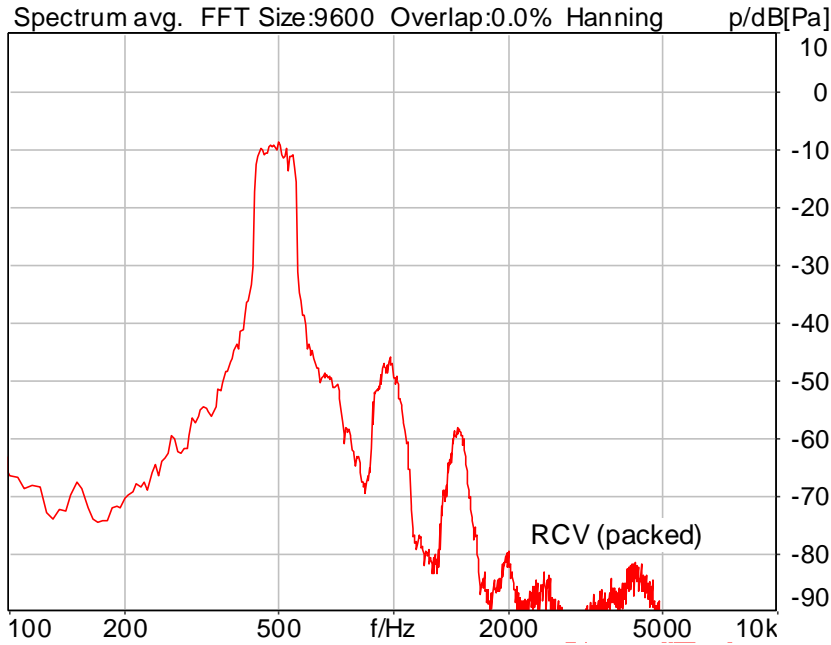
Limits

	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): 34.11 dB (1.97%) Ok

Ok

2023/10/22 上午 10:56 ACQUA 5.1.200

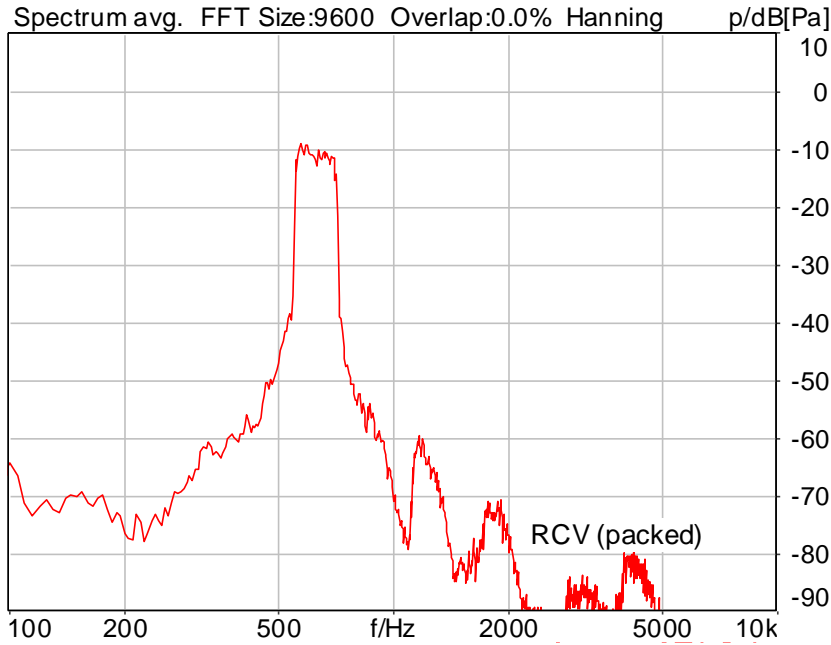
Limits

	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



Distortion (Noise) RCV (packed): 39.02 dB (1.12%) Ok

Ok

2023/10/22 上午 10:57 ACQUA 5.1.200

Limits

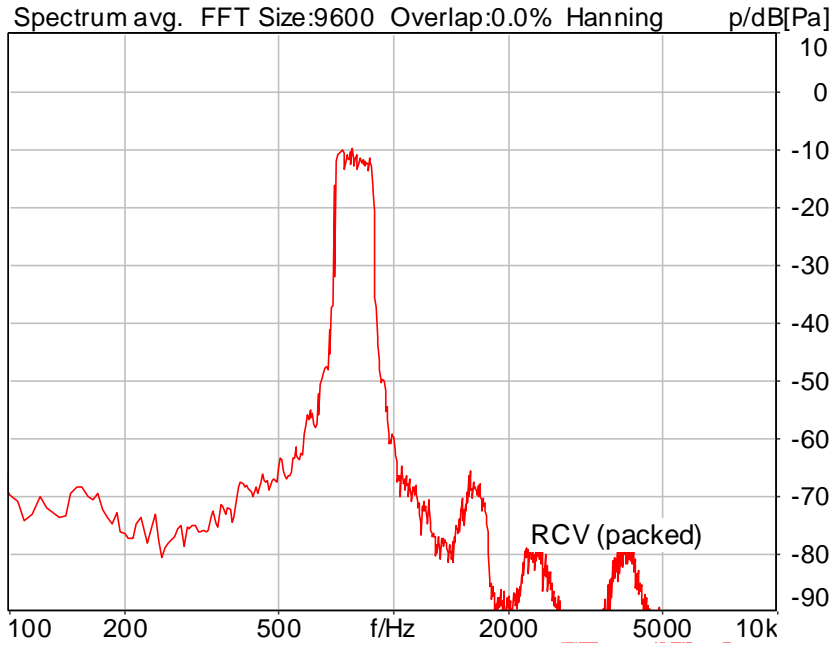
	lower
Run 1	20.00 dB





### 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): 42.06 dB (0.79%) Ok

Ok

2023/10/22 上午 10:57 ACQUA 5.1.200

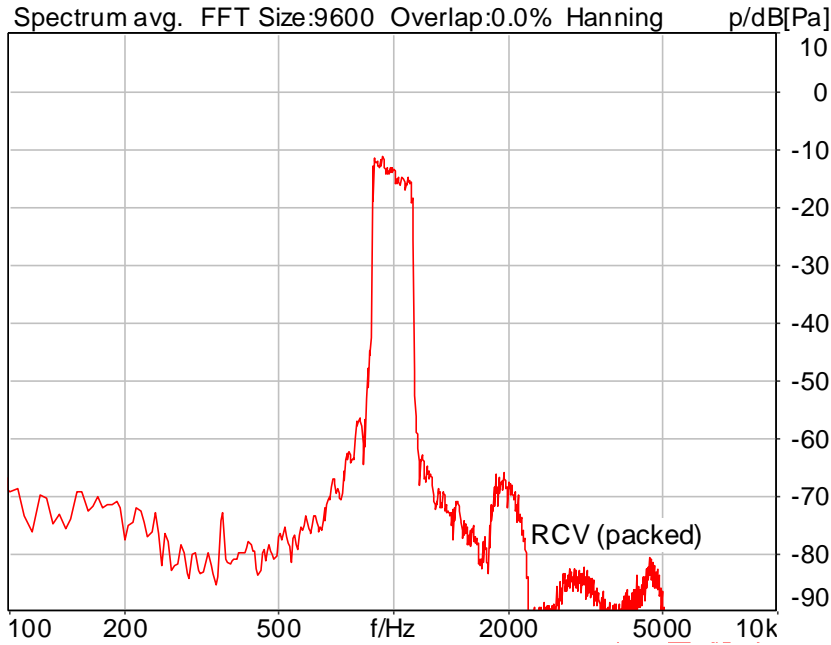
Limits

	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



Distortion (Noise) RCV (packed): 46.21 dB (0.49%) Ok

Ok

2023/10/22 上午 10:58 ACQUA 5.1.200

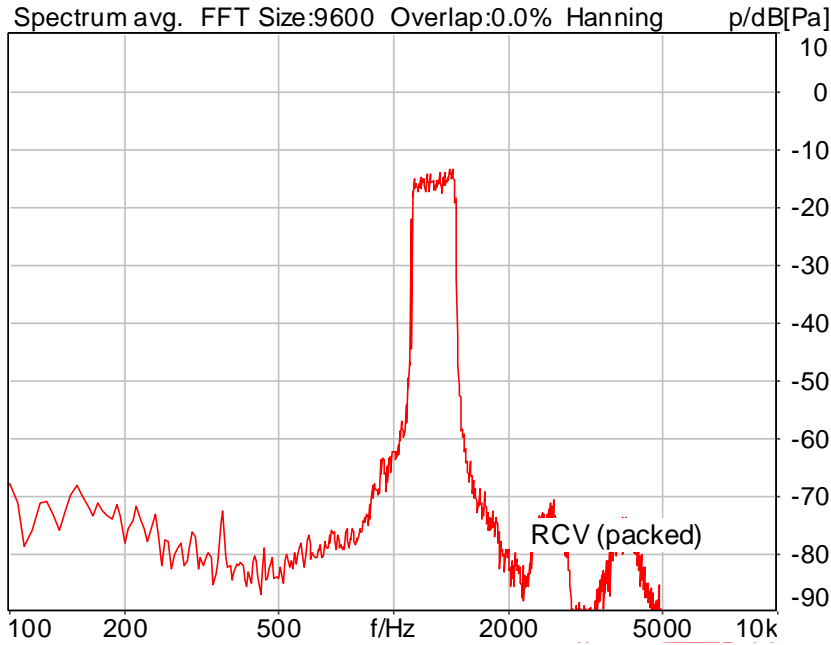
Limits

	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



Distortion (Noise) RCV (packed): 32.87 dB (2.27%) Ok

Ok

2023/10/22 上午 10:58 ACQUA 5.1.200

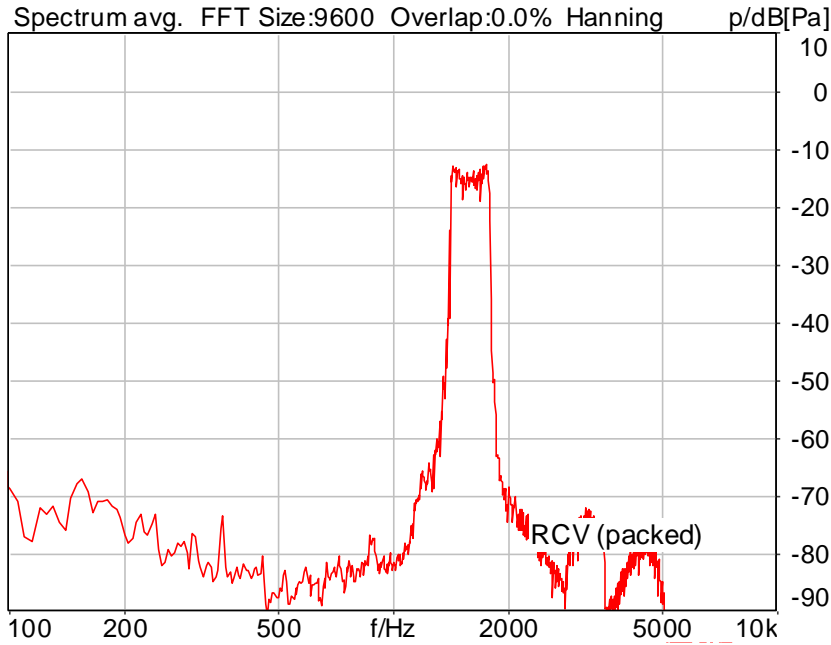
Limits

	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



Distortion (Noise) RCV (packed): 42.45 dB (0.75%) Ok

Ok

2023/10/22 上午 10:58 ACQUA 5.1.200

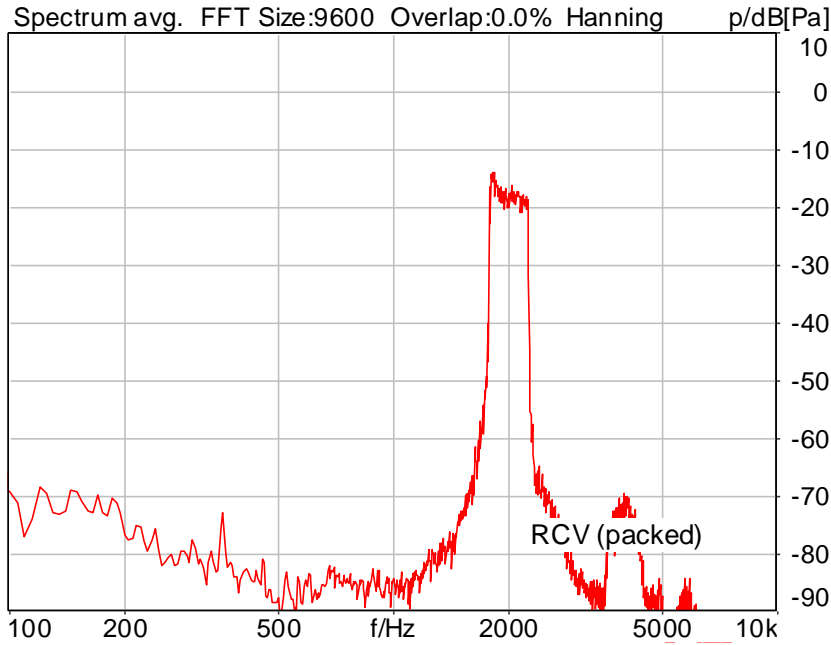
Limits

	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): 42.22 dB (0.77%) Ok

Ok

2023/10/22 上午 10:59 ACQUA 5.1.200

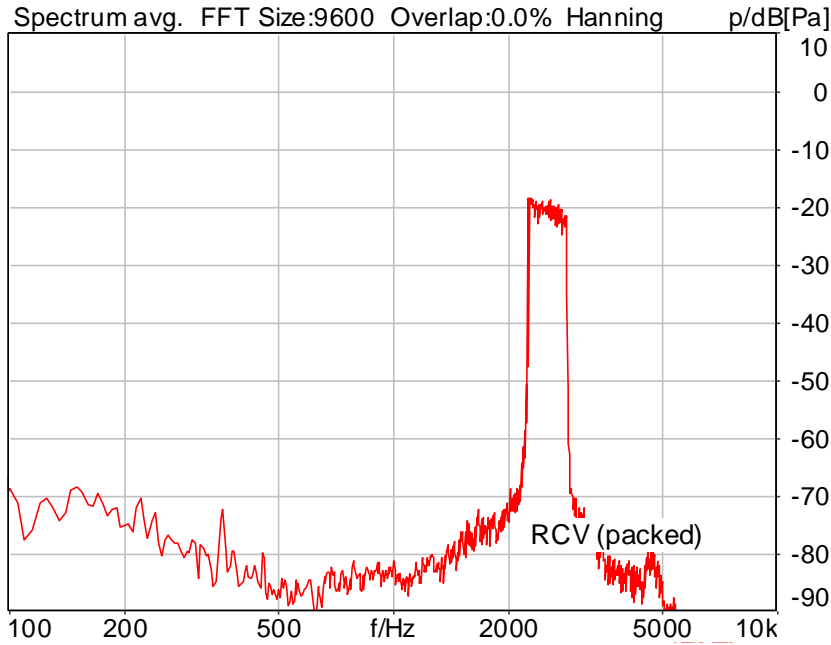
Limits

	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



Distortion (Noise) RCV (packed): 46.10 dB (0.50%) Ok

Ok

2023/10/22 上午 10:59 ACQUA 5.1.200

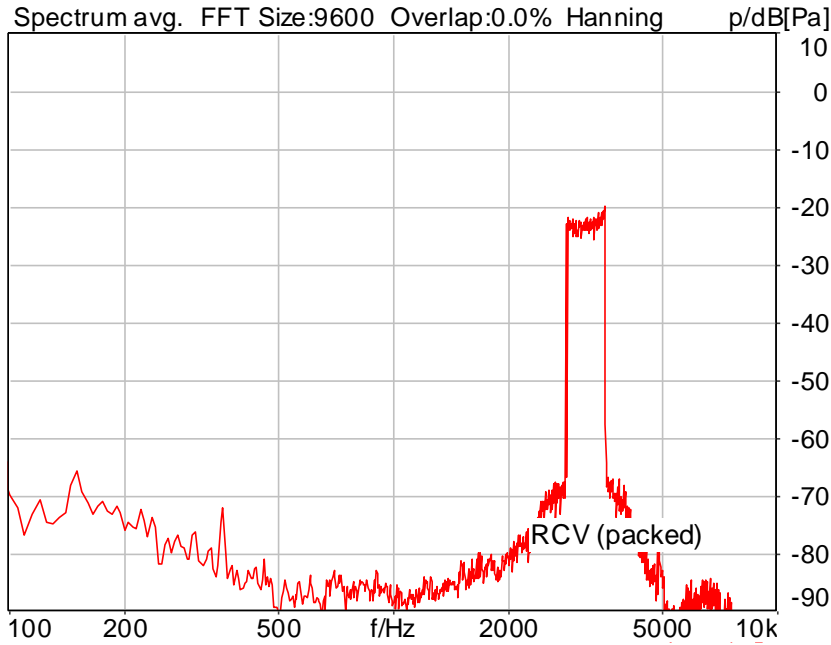
Limits

	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



Distortion (Noise) RCV (packed): 44.00 dB (0.63%) Ok

Ok

2023/10/22 上午 11:00 ACQUA 5.1.200

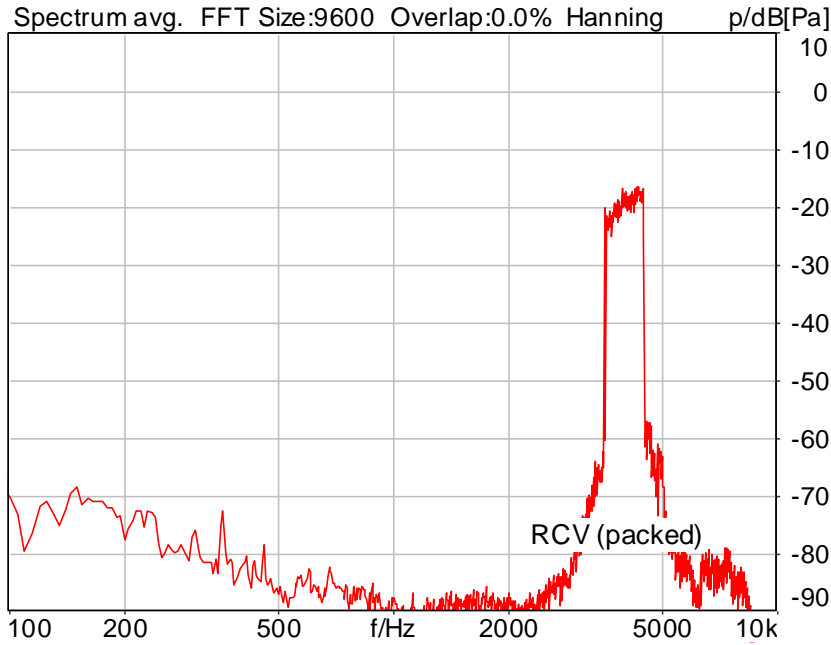
Limits

	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): 43.42 dB (0.67%) Ok

Ok

2023/10/22 上午 11:00 ACQUA 5.1.200

Limits

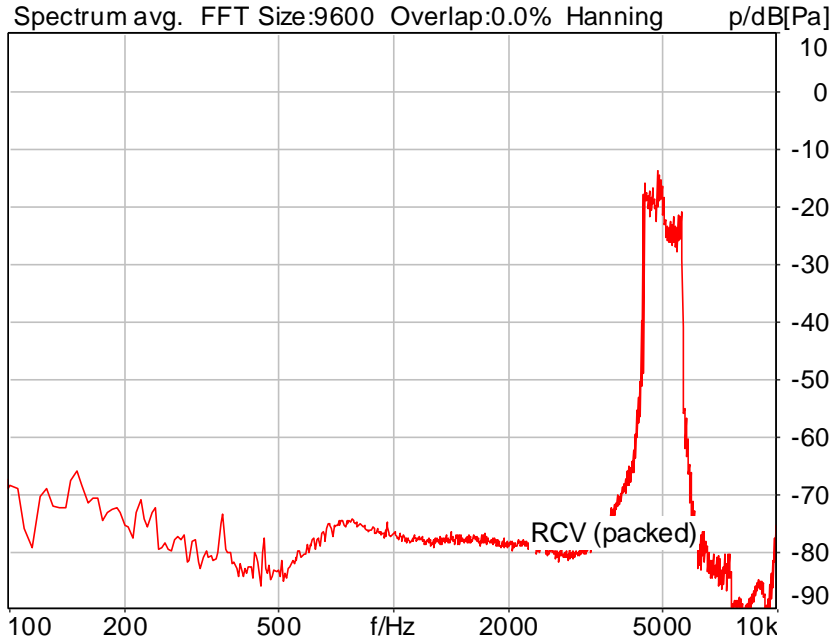
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 37.87 dB (1.28%) Ok

Ok

2023/10/22 上午 11:01 ACQUA 5.1.200

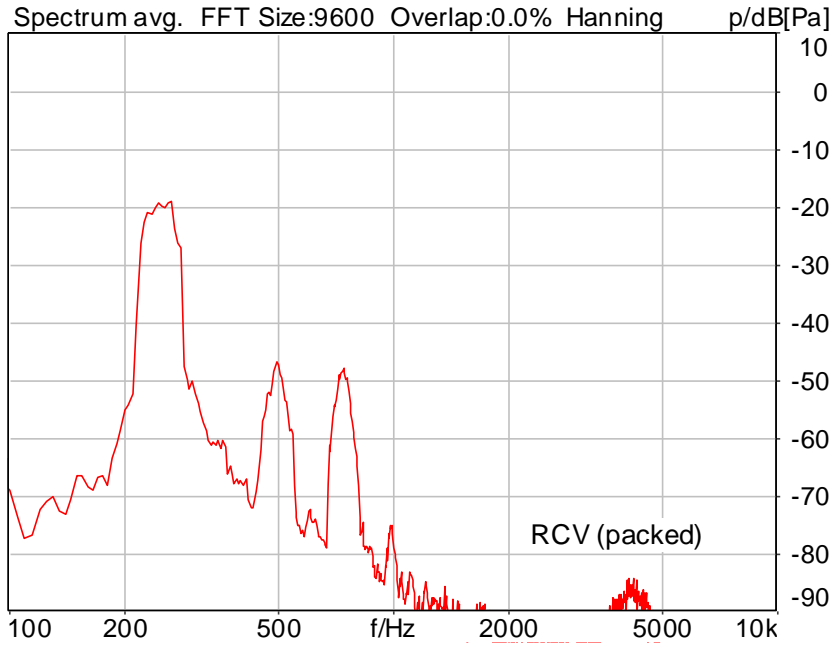
Limits

	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



Distortion (Noise) RCV (packed): 27.19 dB (4.37%) Ok

Ok

2023/10/22 上午 11:02 ACQUA 5.1.200

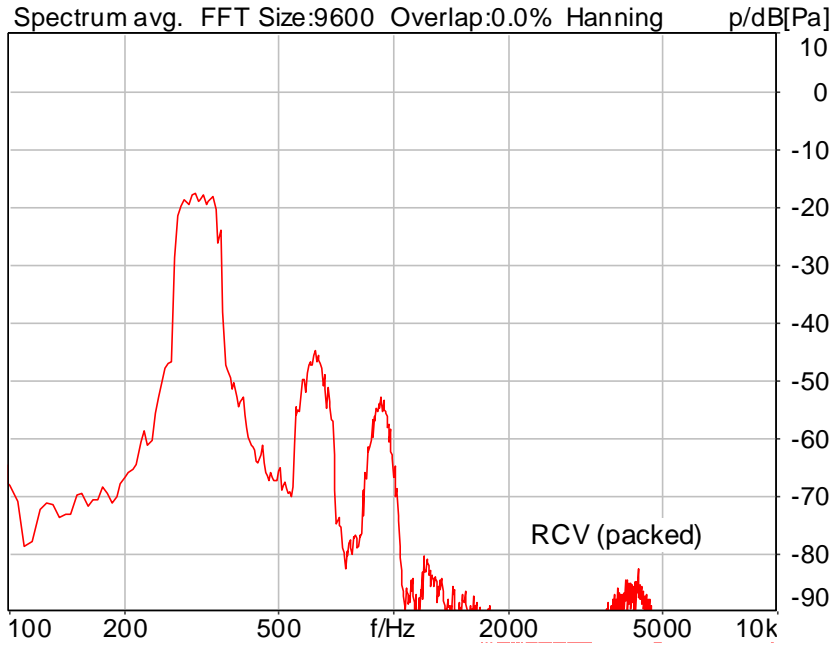
Limits

	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



Distortion (Noise) RCV (packed): 28.25 dB (3.87%) Ok

Ok

2023/10/22 上午 11:02 ACQUA 5.1.200

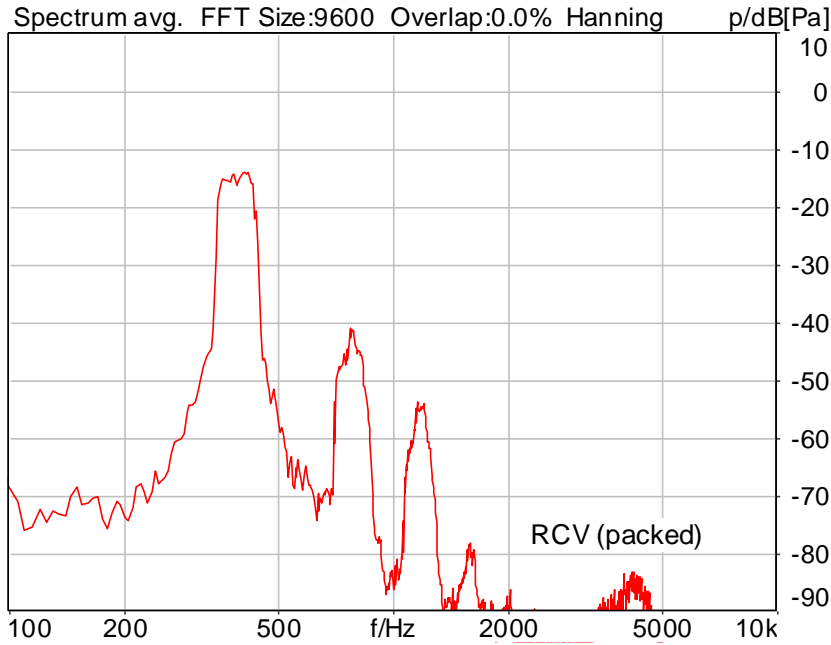
Limits

	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



Distortion (Noise) RCV (packed): 28.15 dB (3.91%) Ok

Ok

2023/10/22 上午 11:03 ACQUA 5.1.200

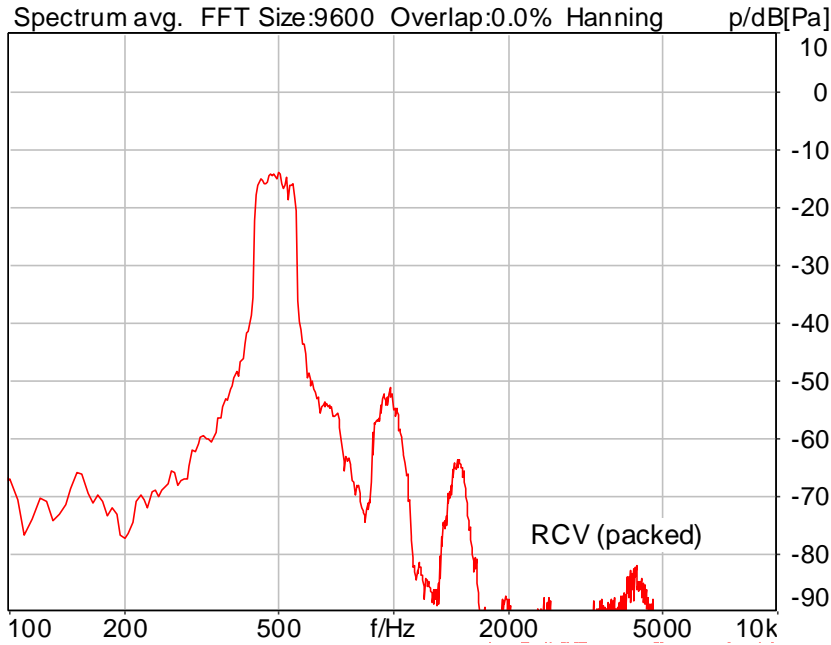
Limits

	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



Distortion (Noise) RCV (packed): 34.22 dB (1.95%) Ok

Ok

2023/10/22 上午 11:03 ACQUA 5.1.200

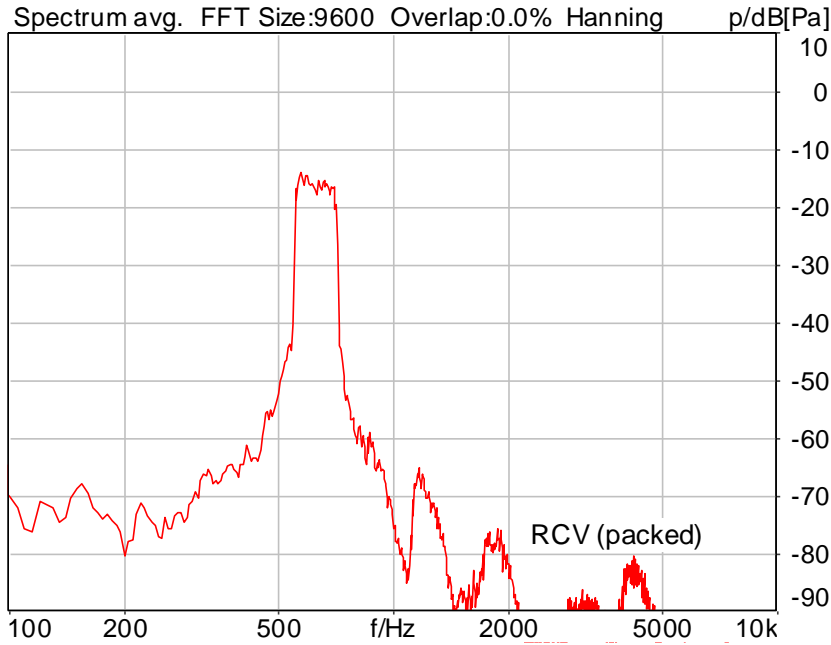
Limits

	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): 39.34 dB (1.08%) Ok

Ok

2023/10/22 上午 11:04 ACQUA 5.1.200

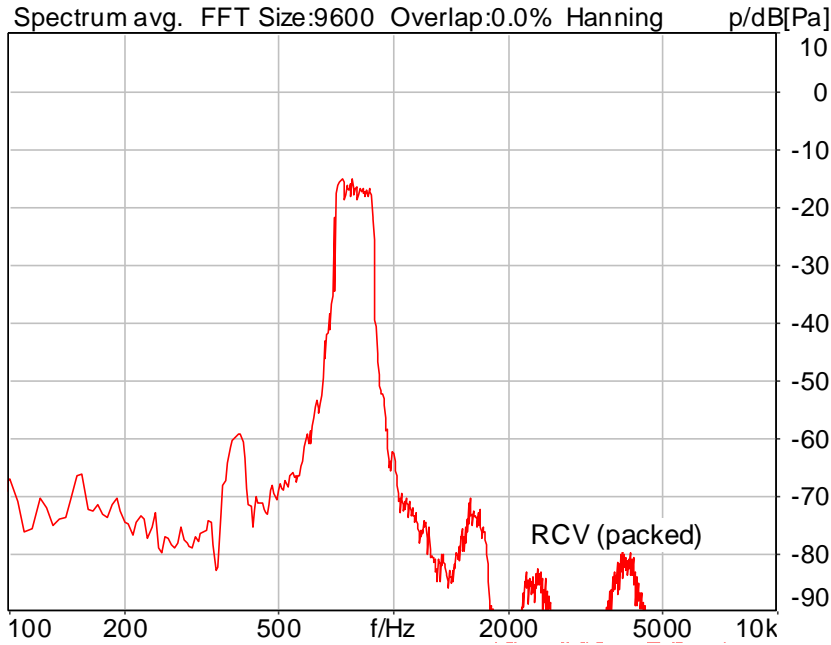
Limits

	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): 37.72 dB (1.30%) Ok

Ok

2023/10/22 上午 11:04 ACQUA 5.1.200

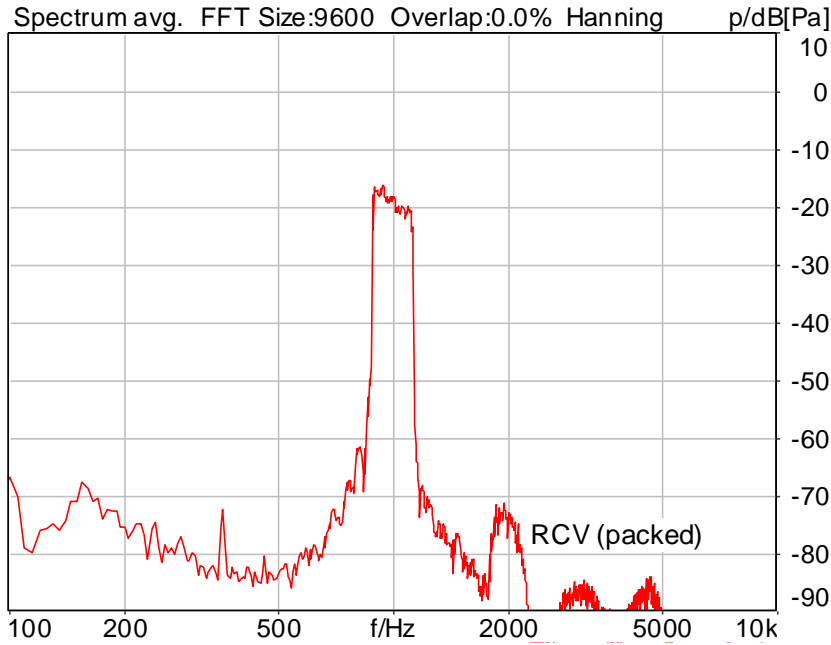
Limits

	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



Distortion (Noise) RCV (packed): 46.20 dB (0.49%) Ok

Ok

2023/10/22 上午 11:05 ACQUA 5.1.200

Limits

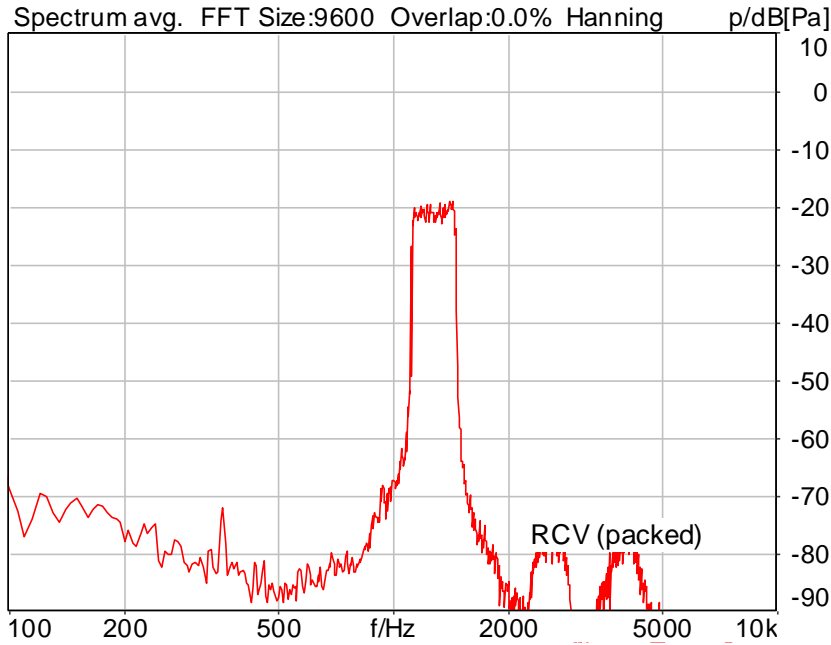
	lower
Run 1	20.00 dB





### 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): 33.13 dB (2.20%) Ok

Ok

2023/10/22 上午 11:05 ACQUA 5.1.200

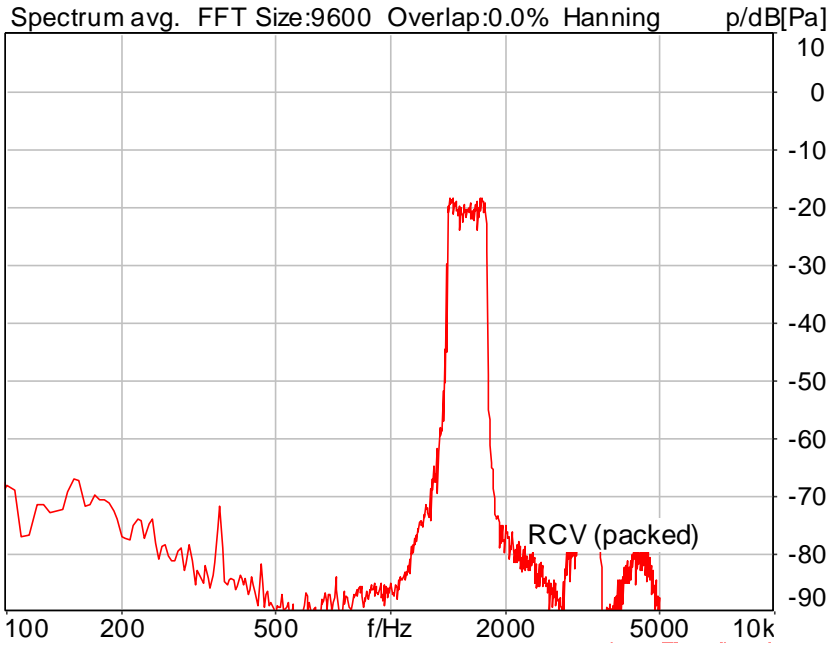
Limits

	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



Distortion (Noise) RCV (packed): 44.28 dB (0.61%) Ok

Ok

2023/10/22 上午 11:06 ACQUA 5.1.200

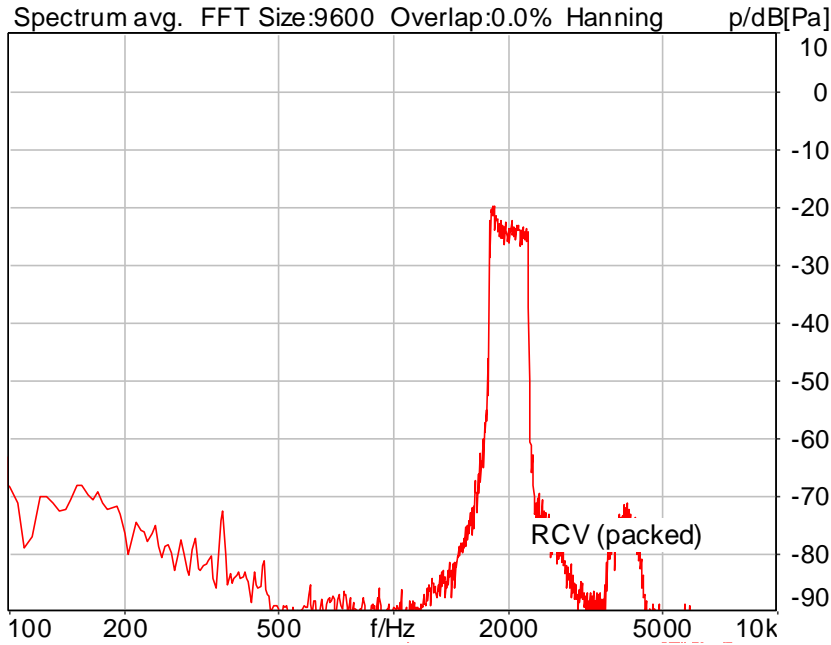
Limits

	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



Distortion (Noise) RCV (packed): 41.22 dB (0.87%) Ok

Ok

2023/10/22 上午 11:06 ACQUA 5.1.200

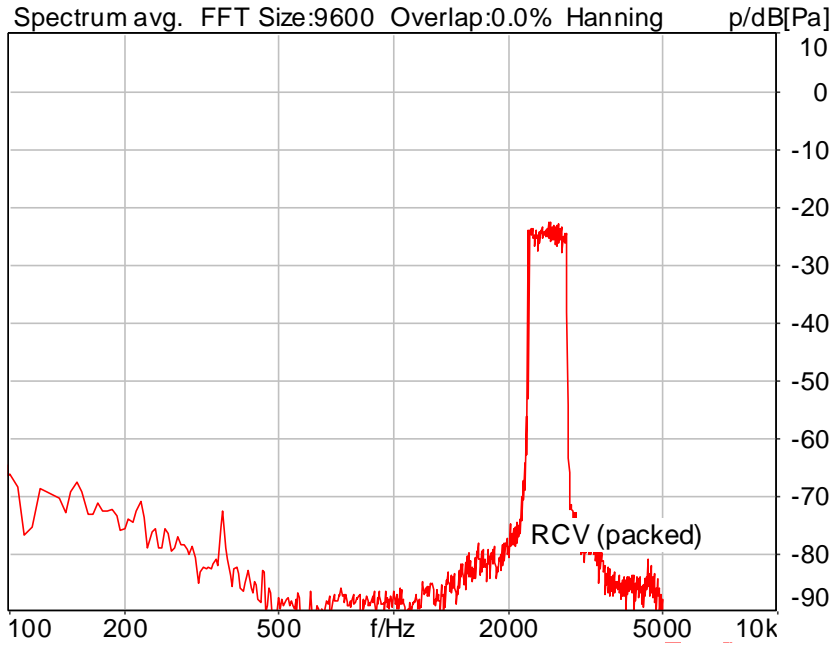
Limits

	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



Distortion (Noise) RCV (packed): 46.08 dB (0.50%) Ok

Ok

2023/10/22 上午 11:07 ACQUA 5.1.200

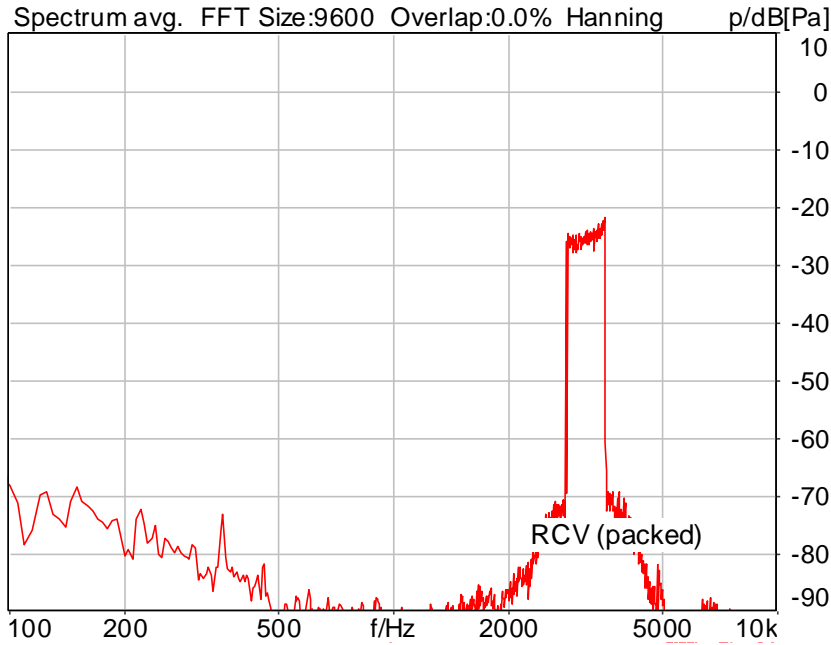
Limits

	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



Distortion (Noise) RCV (packed): 44.73 dB (0.58%) Ok

**Ok**

2023/10/22 上午 11:07 ACQUA 5.1.200

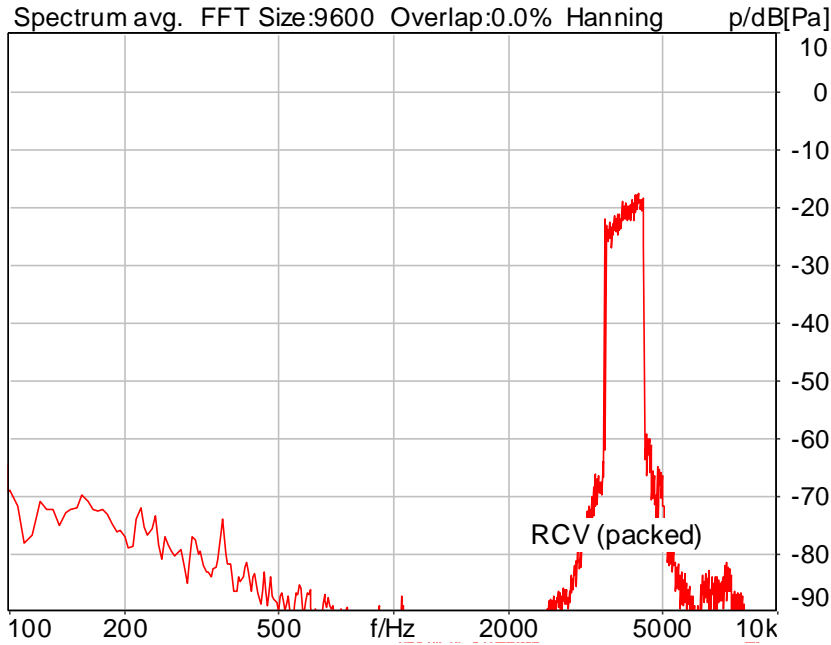
**Limits**

	<b>lower</b>
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



Distortion (Noise) RCV (packed): 44.61 dB (0.59%) Ok

Ok

2023/10/22 上午 11:08 ACQUA 5.1.200

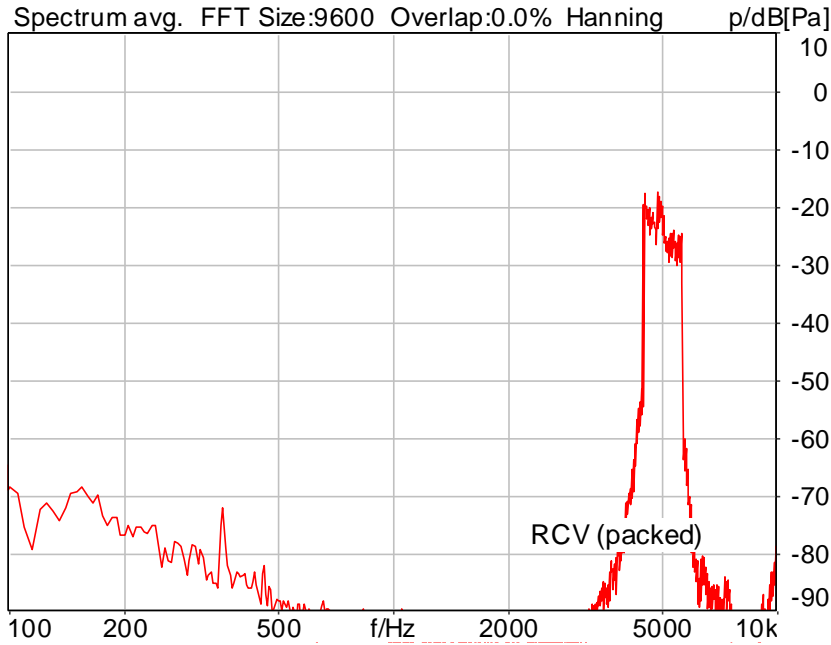
Limits

	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): 39.27 dB (1.09%) Ok

Ok

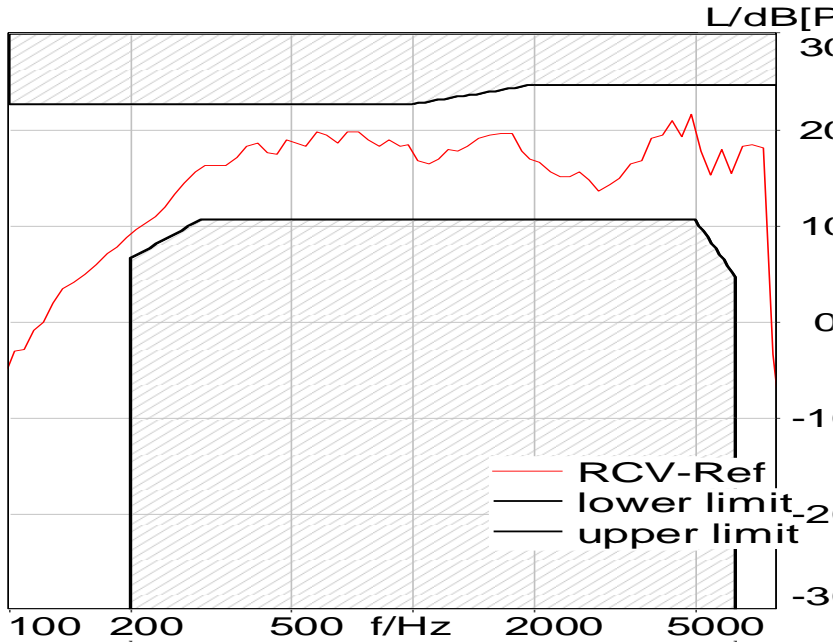
2023/10/22 上午 11:08 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.77 dB at 731.5 Hz Ok

Ok

2023/10/22 上午 11:09 ACQUA 5.1.200

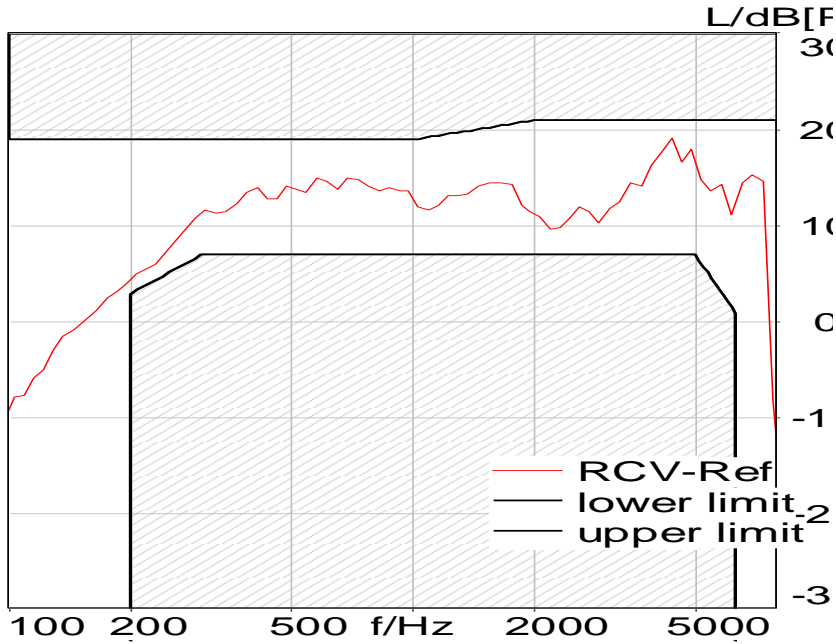
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
1.72 dB at 4369.4 Hz Ok

Ok

2023/10/22 上午 11:10 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



**#5 LTE Band 25 EVS WB 24.4kbps**

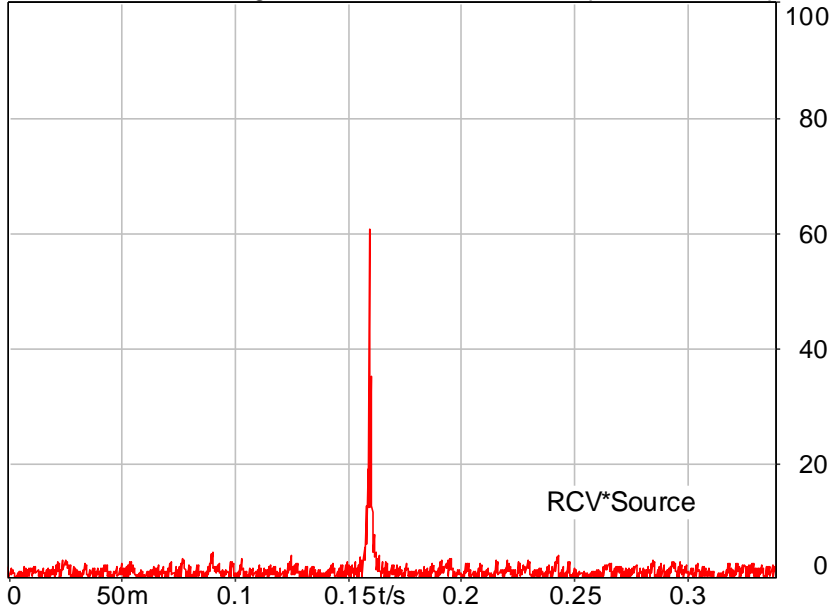
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	159.5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.23
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.01
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.36
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.38
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.12
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.21
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.96
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.93
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.33
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.85
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.18
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.07
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.21
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.45
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.72
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.23
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.29
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.42
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.31
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.30
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.89
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.86
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.32
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.23
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.27
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.15
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.02
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.99
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.14
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.87
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 689.1 Hz	2.80
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 205.7 Hz	2.08



### Overall Receive Delay WB

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

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



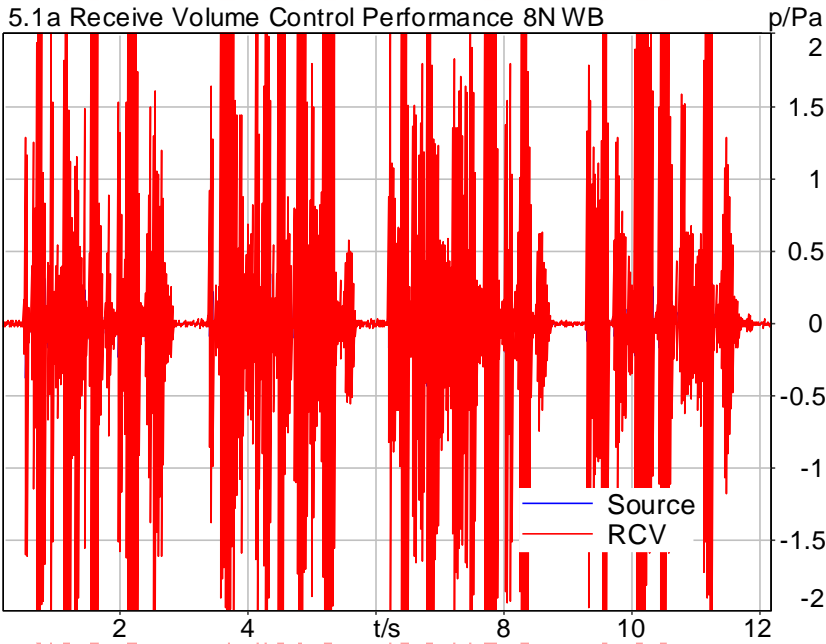
Delay (Cross): 159.5 ms

2023/10/22 上午 11:54 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.23 dB[SPL], Act.: 57.75% Ok

Ok

2023/10/22 上午 11:54 ACQUA 5.1.200

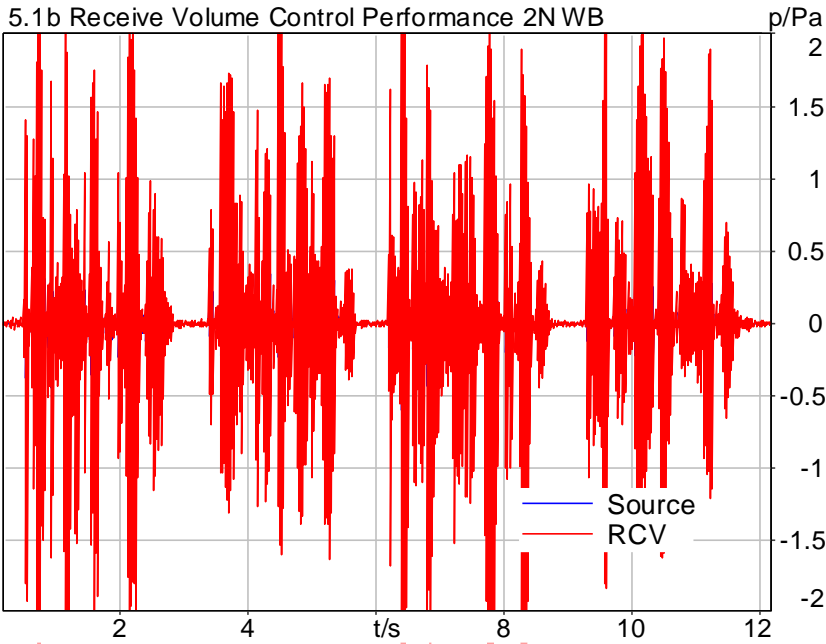
**Limits**

	<b>lower</b>
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.01 dB[SPL], Act.: 32.79% Ok

Ok

2023/10/22 上午 11:55 ACQUA 5.1.200

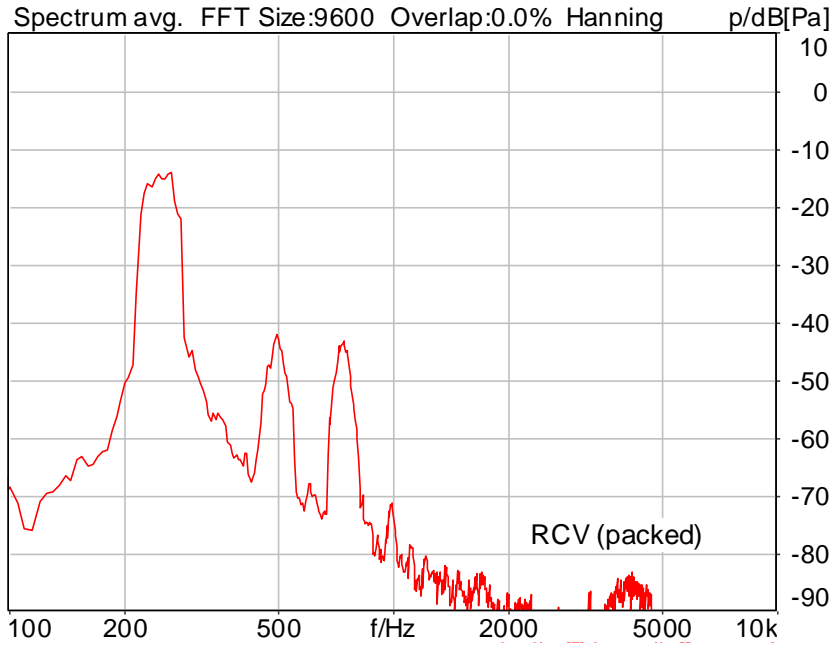
**Limits**

	<b>lower</b>
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): 27.36 dB (4.28%) Ok

Ok

2023/10/22 上午 11:56 ACQUA 5.1.200

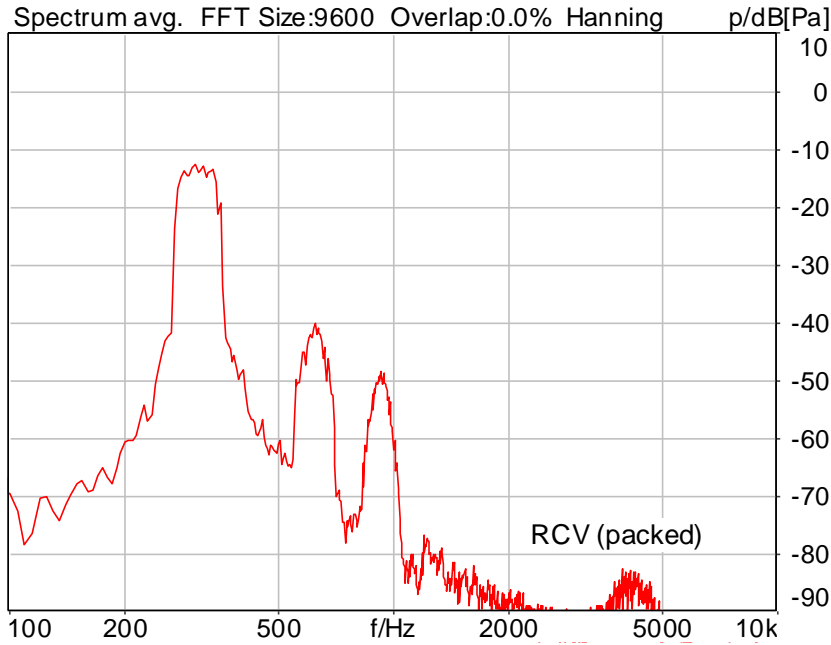
Limits

	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): 28.38 dB (3.81%) Ok

Ok

2023/10/22 上午 11:56 ACQUA 5.1.200

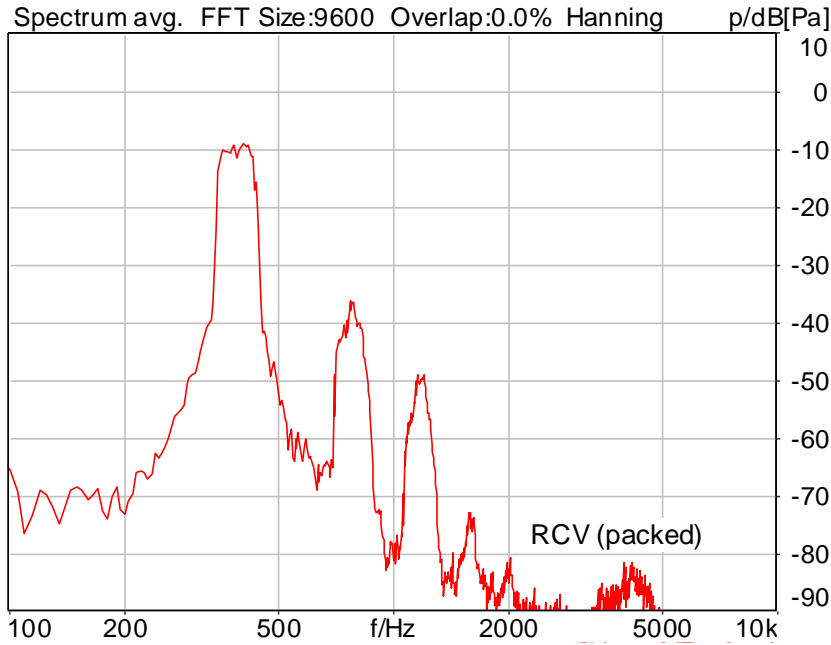
Limits

	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): 28.12 dB (3.92%) Ok

Ok

2023/10/22 上午 11:57 ACQUA 5.1.200

Limits

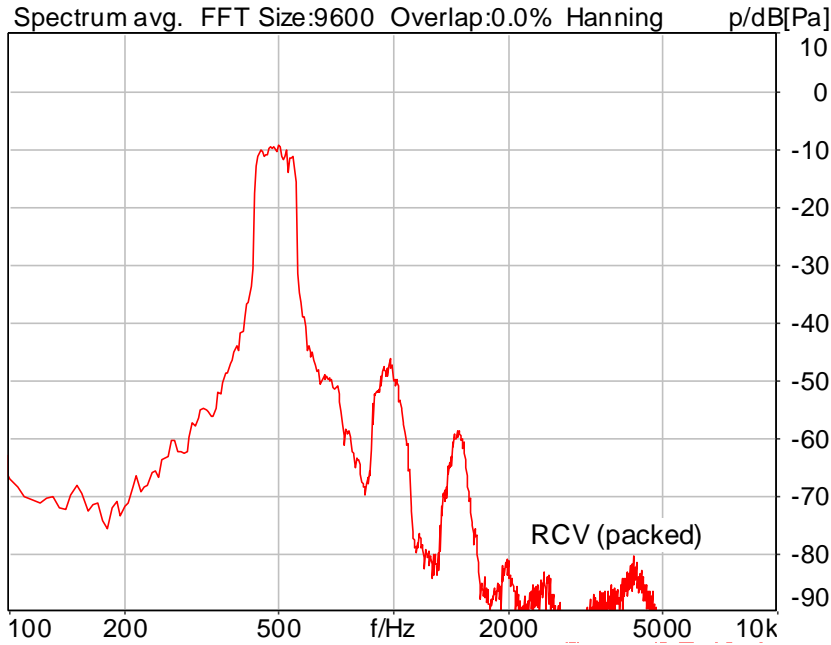
	lower
Run 1	20.00 dB





### 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): 34.21 dB (1.95%) Ok

Ok

2023/10/22 上午 11:57 ACQUA 5.1.200

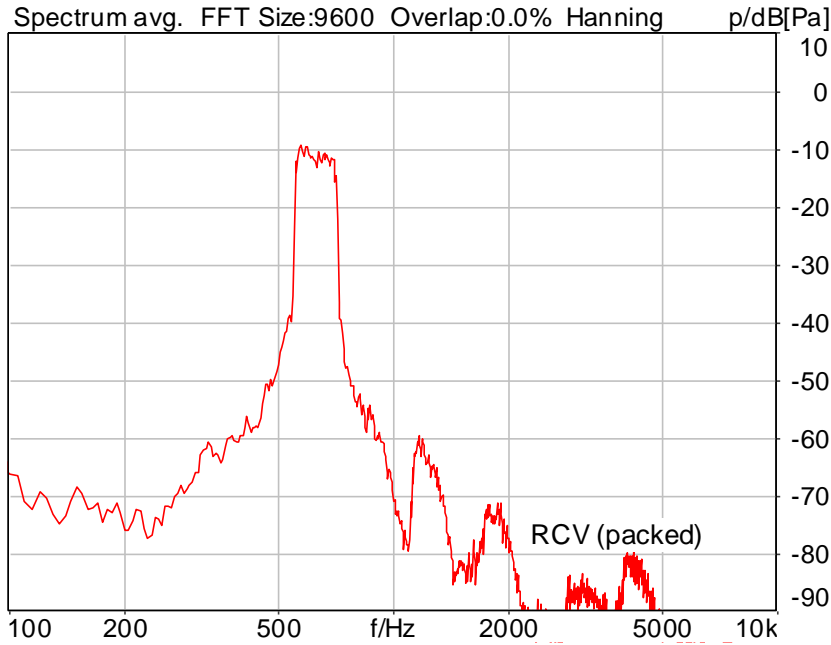
Limits

	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



Distortion (Noise) RCV (packed): 38.96 dB (1.13%) Ok

Ok

2023/10/22 上午 11:58 ACQUA 5.1.200

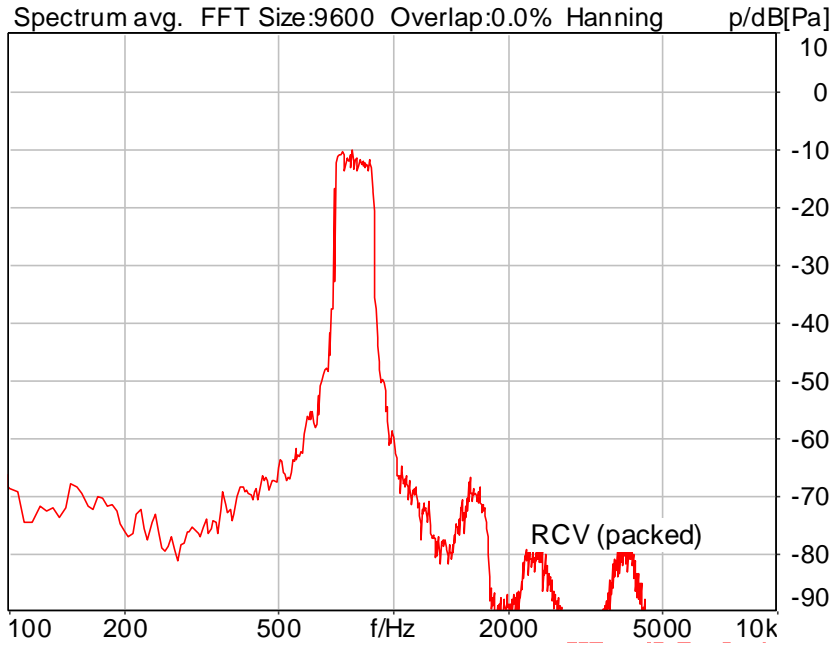
Limits

	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): 41.93 dB (0.80%) Ok

Ok

2023/10/22 上午 11:58 ACQUA 5.1.200

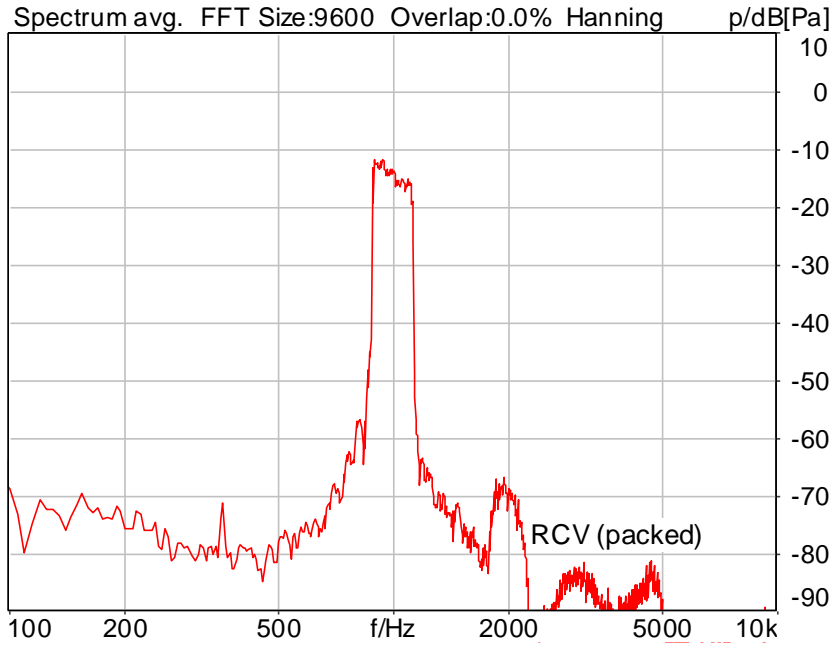
Limits

	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



Distortion (Noise) RCV (packed): 46.33 dB (0.48%) Ok

Ok

2023/10/22 上午 11:59 ACQUA 5.1.200

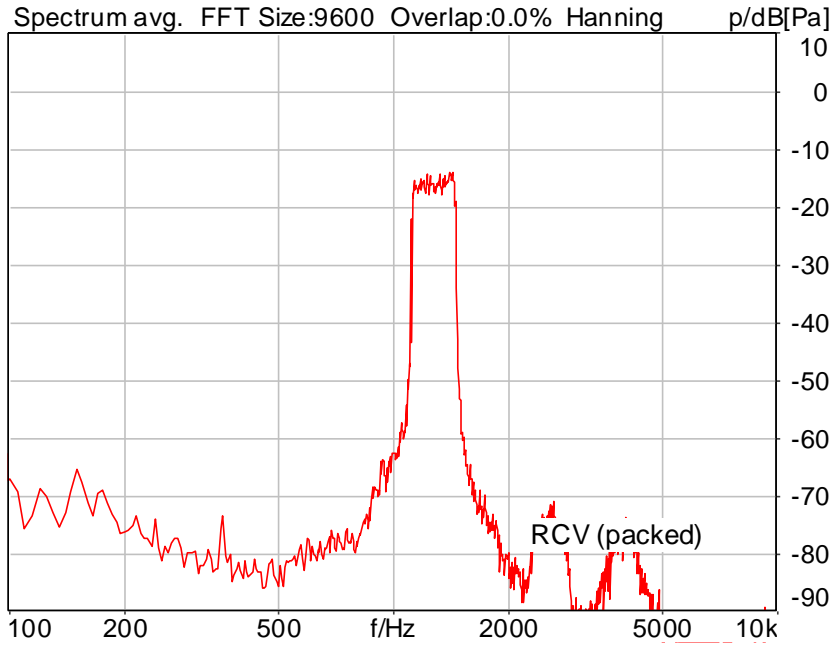
Limits

	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



Ok

2023/10/22 上午 11:59 ACQUA 5.1.200

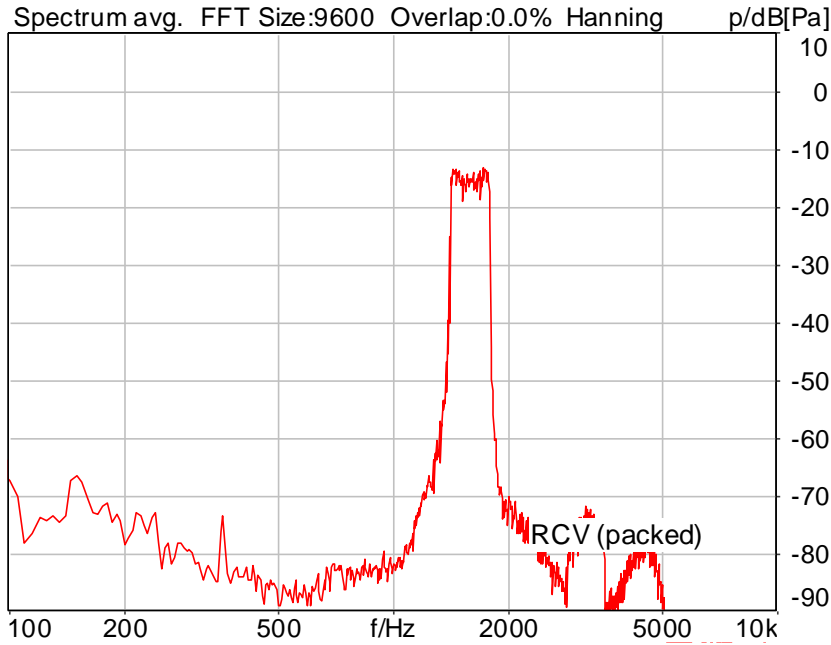
Limits

	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



Distortion (Noise) RCV (packed): 45.18 dB (0.55%) Ok

Ok

2023/10/22 下午 12:00 ACQUA 5.1.200

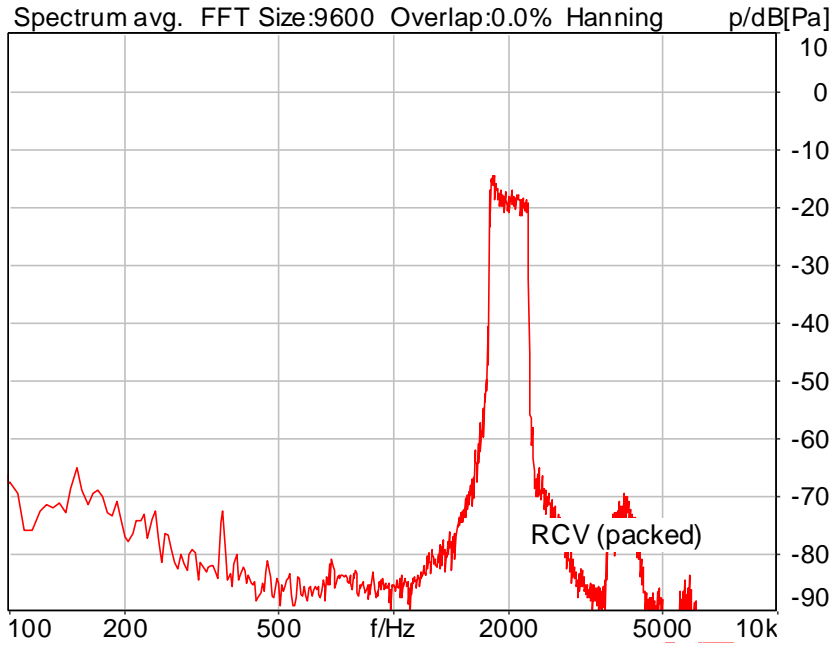
Limits

	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): 42.07 dB (0.79%) Ok

Ok

2023/10/22 下午 12:00 ACQUA 5.1.200

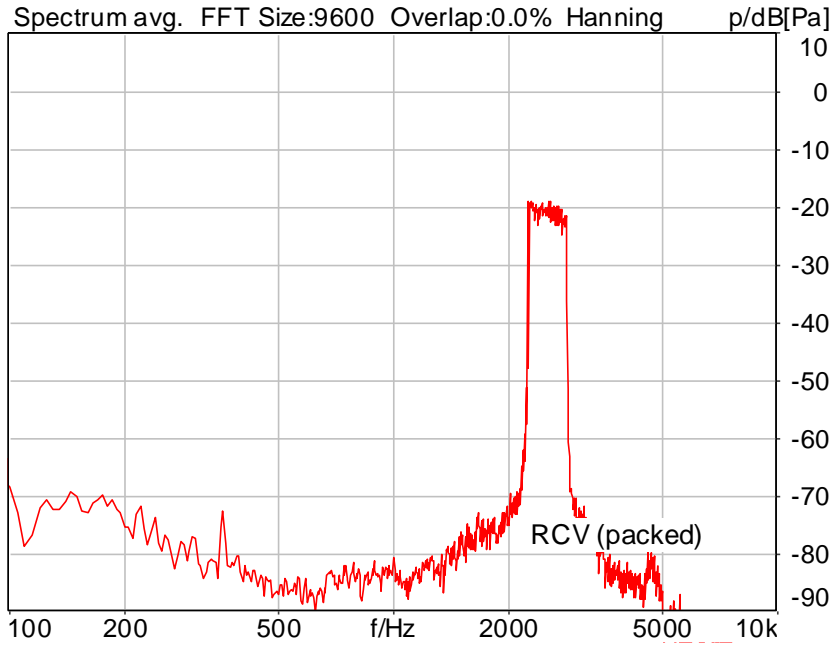
Limits

	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



Distortion (Noise) RCV (packed): 46.21 dB (0.49%) Ok

Ok

2023/10/22 下午 12:01 ACQUA 5.1.200

Limits

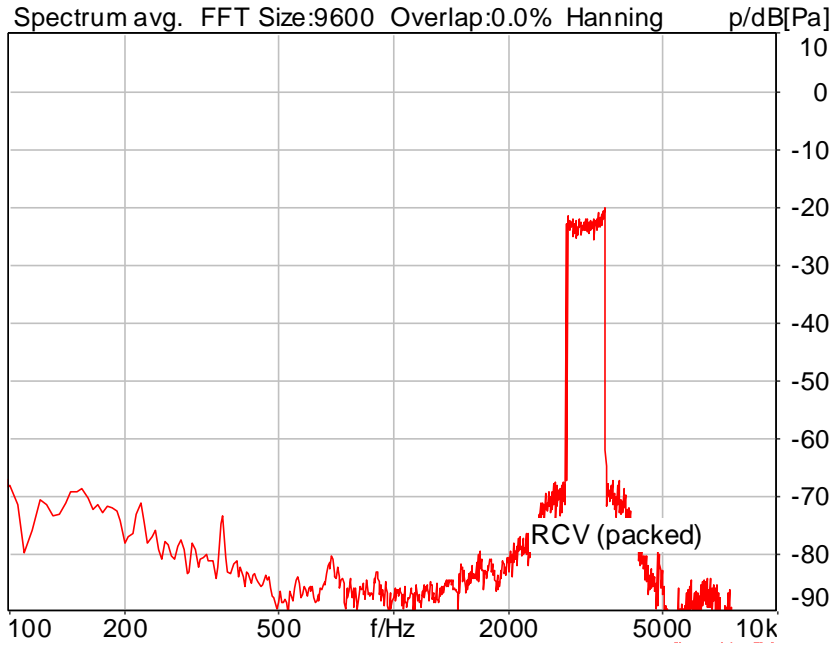
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.45 dB (0.60%) Ok

Ok

2023/10/22 下午 12:01 ACQUA 5.1.200

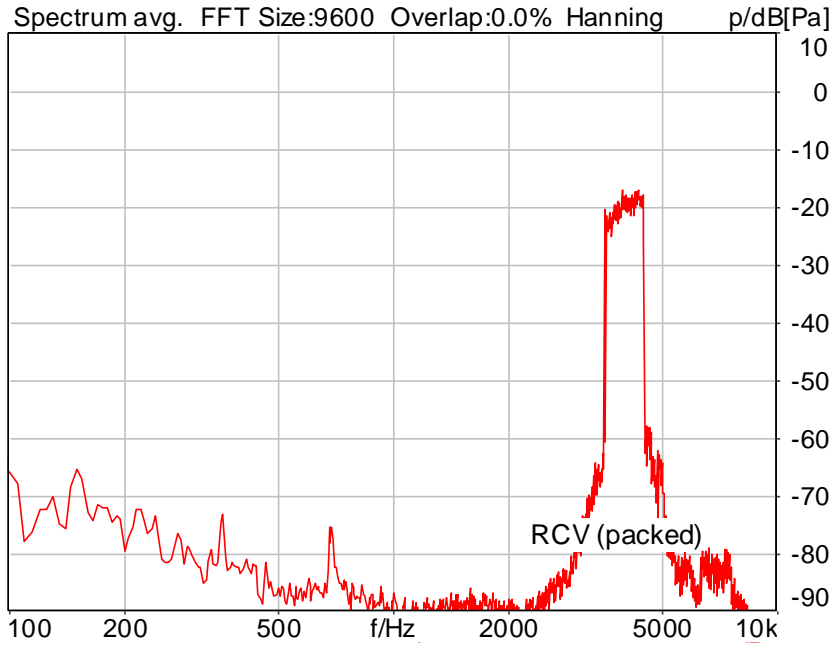
Limits

	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): 43.72 dB (0.65%) Ok

Ok

2023/10/22 下午 12:02 ACQUA 5.1.200

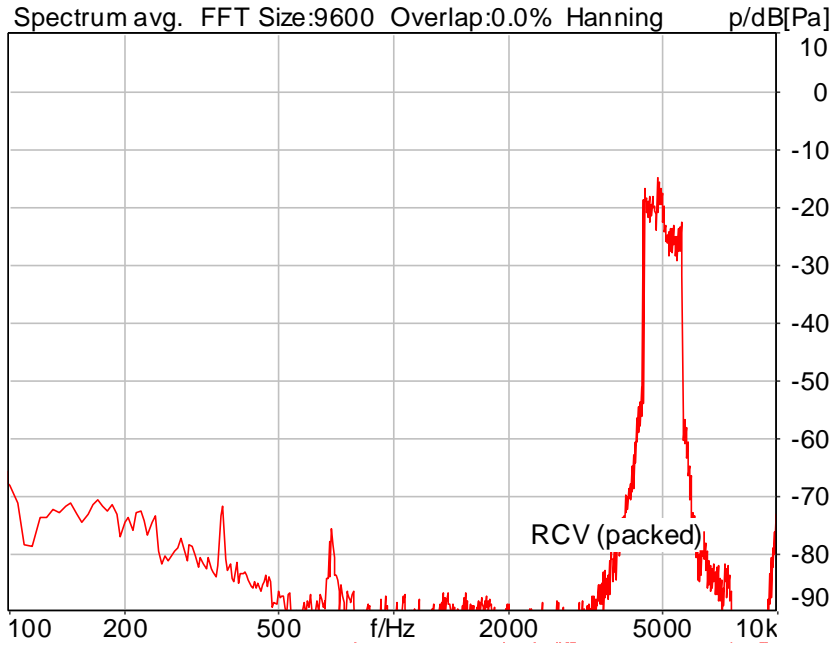
Limits

	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



Distortion (Noise) RCV (packed): 40.23 dB (0.97%) Ok

Ok

2023/10/22 下午 12:02 ACQUA 5.1.200

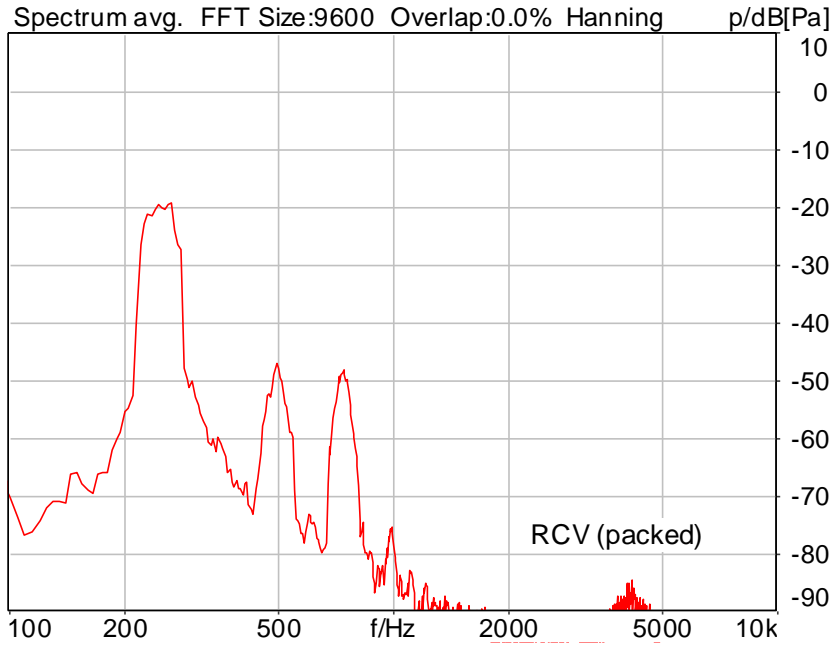
Limits

	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



Distortion (Noise) RCV (packed): 27.29 dB (4.32%) Ok

Ok

2023/10/22 下午 12:03 ACQUA 5.1.200

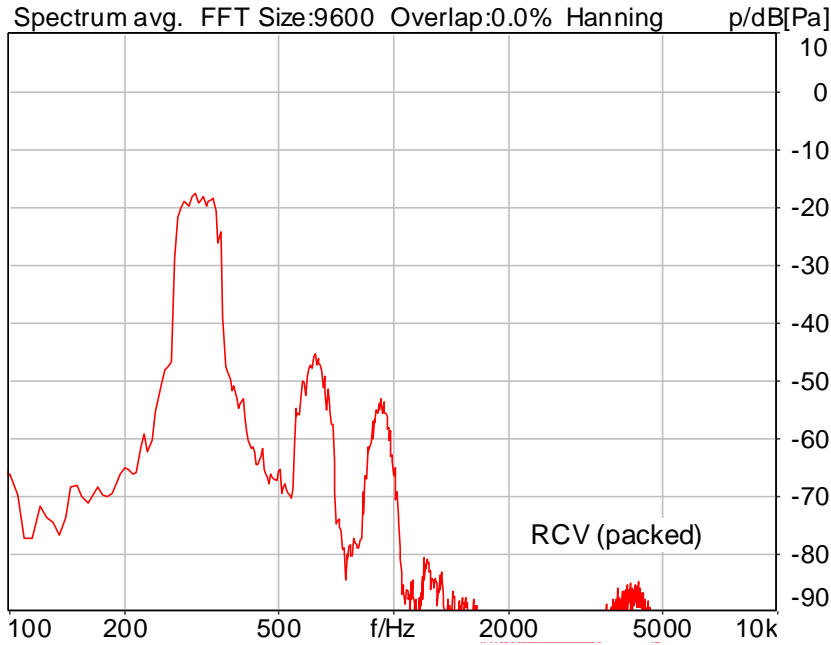
Limits

	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



Distortion (Noise) RCV (packed): 28.42 dB (3.79%) Ok

Ok

2023/10/22 下午 12:03 ACQUA 5.1.200

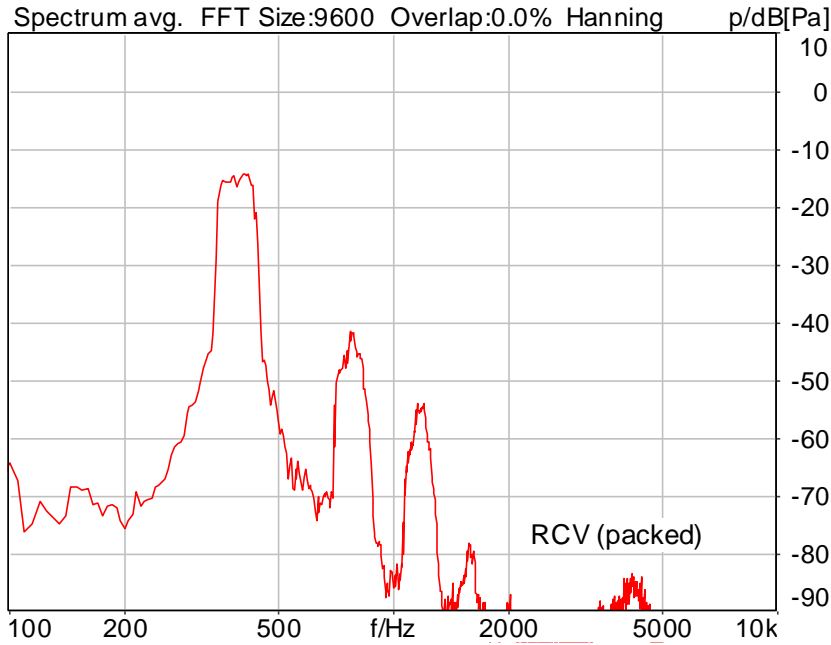
Limits

	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



Distortion (Noise) RCV (packed): 28.31 dB (3.84%) Ok

Ok

2023/10/22 下午 12:04 ACQUA 5.1.200

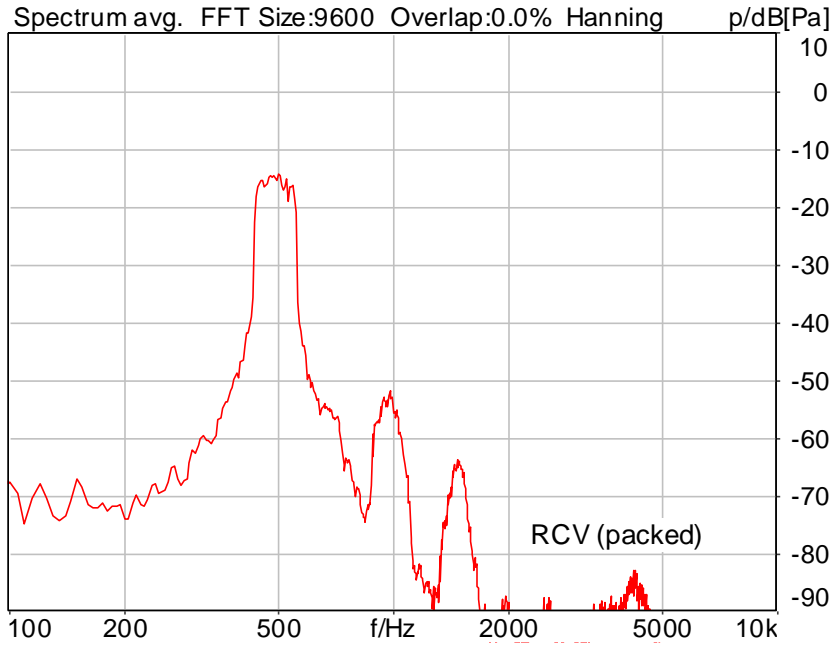
Limits

	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



Distortion (Noise) RCV (packed): 34.30 dB (1.93%) Ok

Ok

2023/10/22 下午 12:04 ACQUA 5.1.200

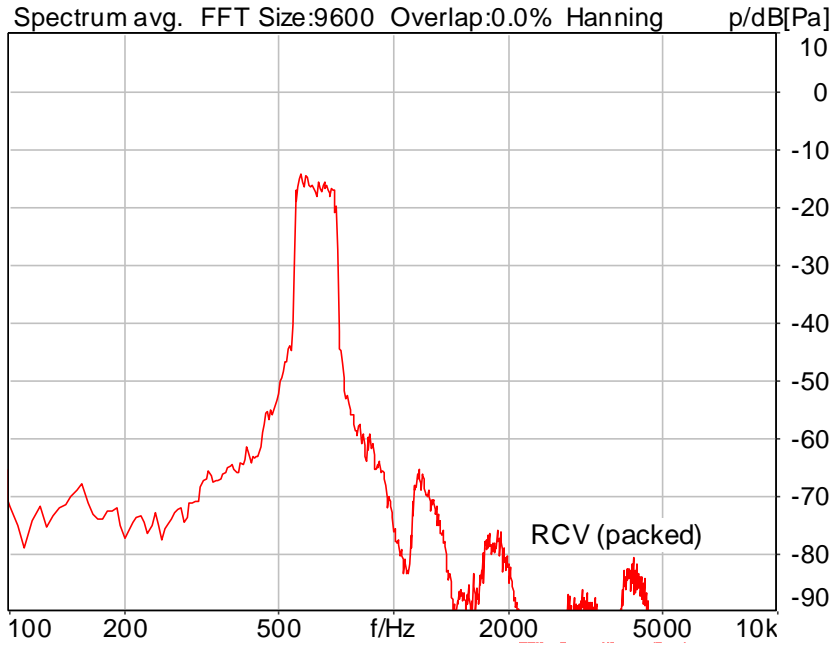
Limits

	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): 38.89 dB (1.14%) Ok

Ok

2023/10/22 下午 12:05 ACQUA 5.1.200

Limits

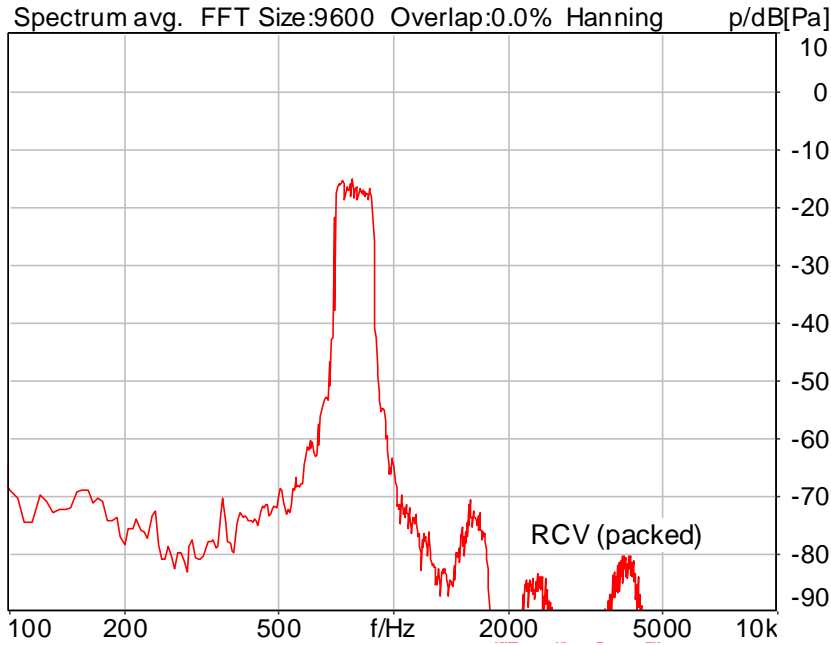
	lower
Run 1	20.00 dB





### 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): 41.86 dB (0.81%) Ok

Ok

2023/10/22 下午 12:05 ACQUA 5.1.200

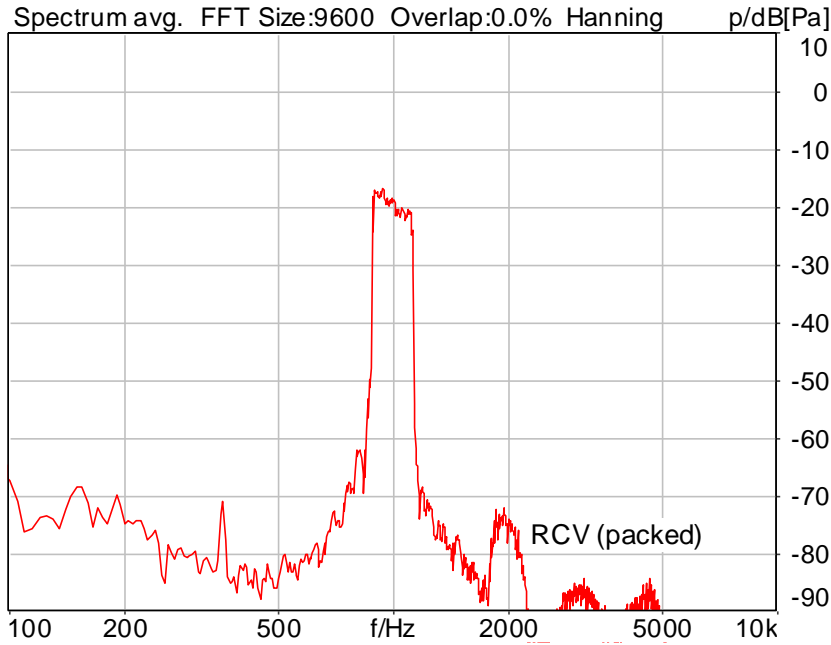
Limits

	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



Distortion (Noise) RCV (packed): 46.32 dB (0.48%) Ok

Ok

2023/10/22 下午 12:06 ACQUA 5.1.200

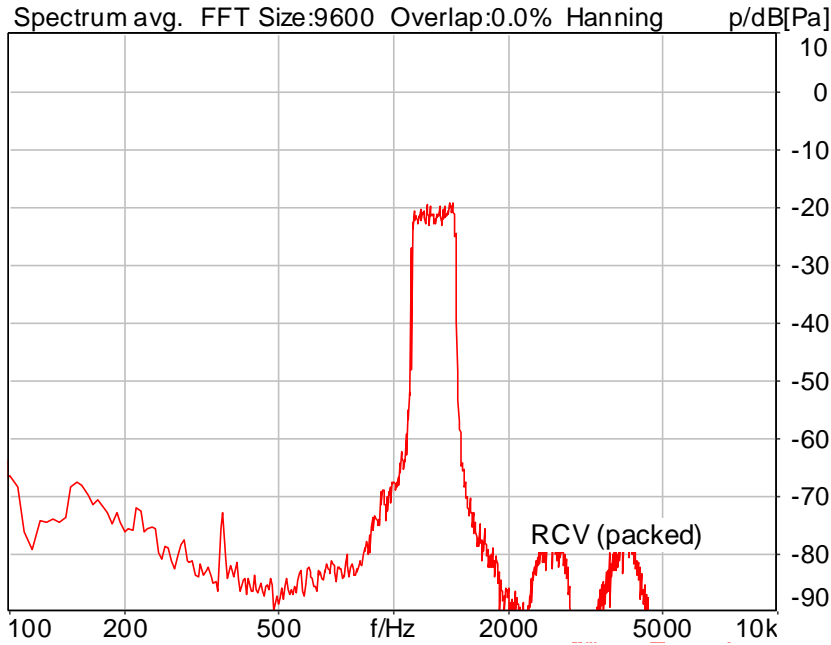
Limits

	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): 34.23 dB (1.94%) Ok

Ok

2023/10/22 下午 12:06 ACQUA 5.1.200

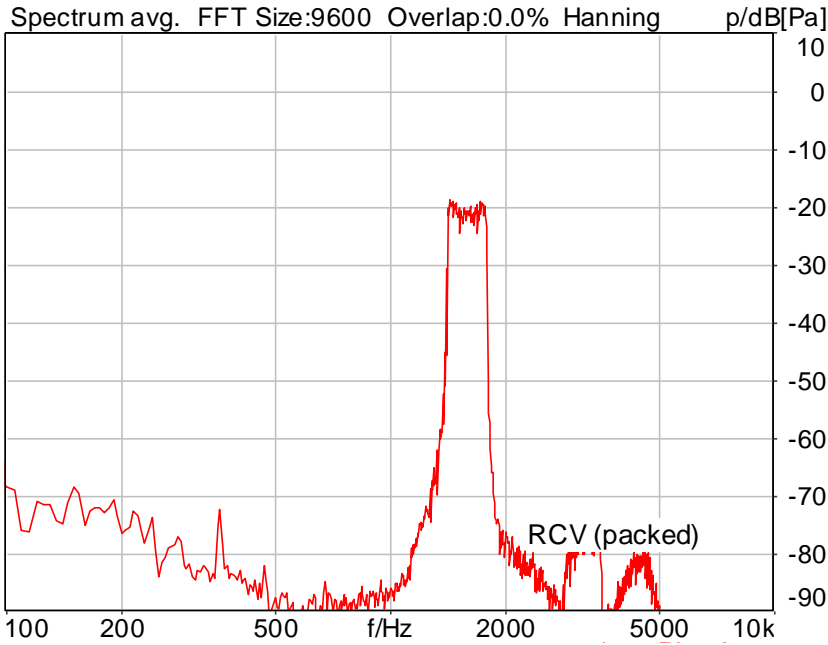
Limits

	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



Distortion (Noise) RCV (packed): 44.27 dB (0.61%) Ok

Ok

2023/10/22 下午 12:07 ACQUA 5.1.200

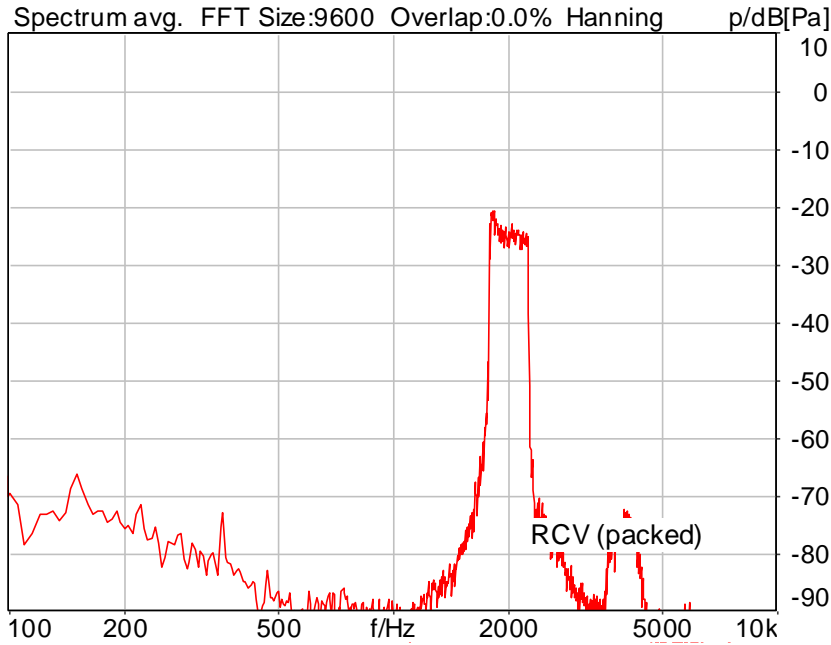
Limits

	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



Distortion (Noise) RCV (packed): 41.15 dB (0.88%) Ok

Ok

2023/10/22 下午 12:07 ACQUA 5.1.200

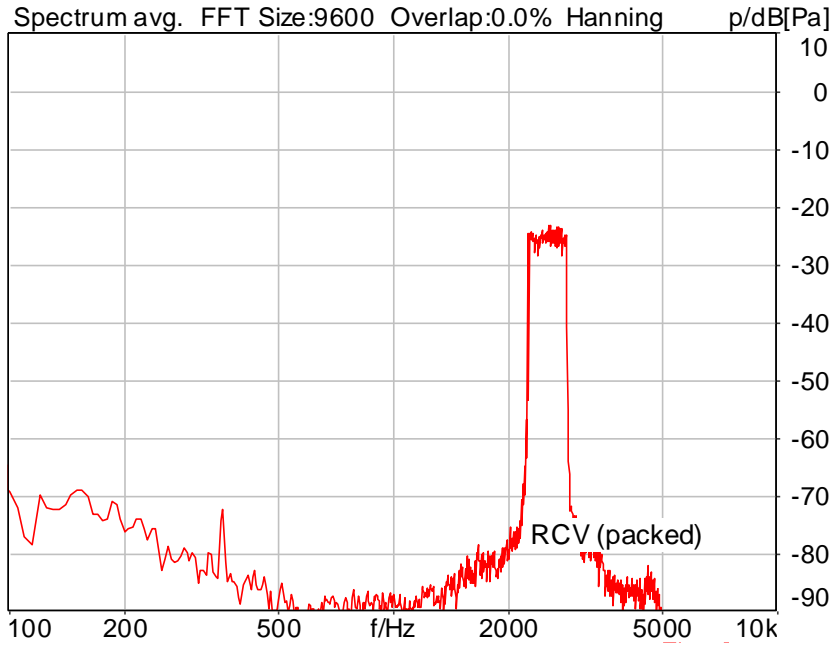
Limits

	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



Distortion (Noise) RCV (packed): 46.02 dB (0.50%) Ok

Ok

2023/10/22 下午 12:08 ACQUA 5.1.200

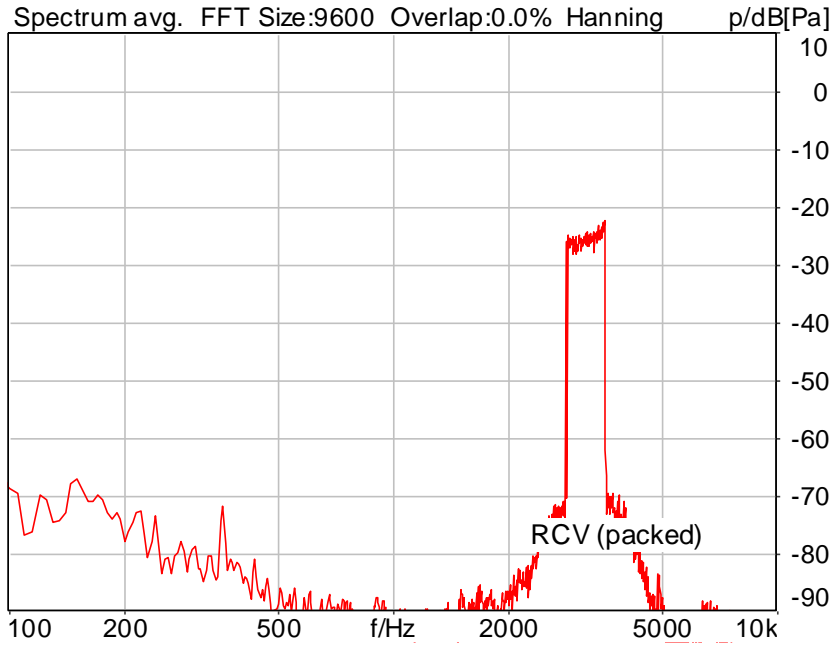
Limits

	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



Distortion (Noise) RCV (packed): 44.99 dB (0.56%) Ok

Ok

2023/10/22 下午 12:08 ACQUA 5.1.200

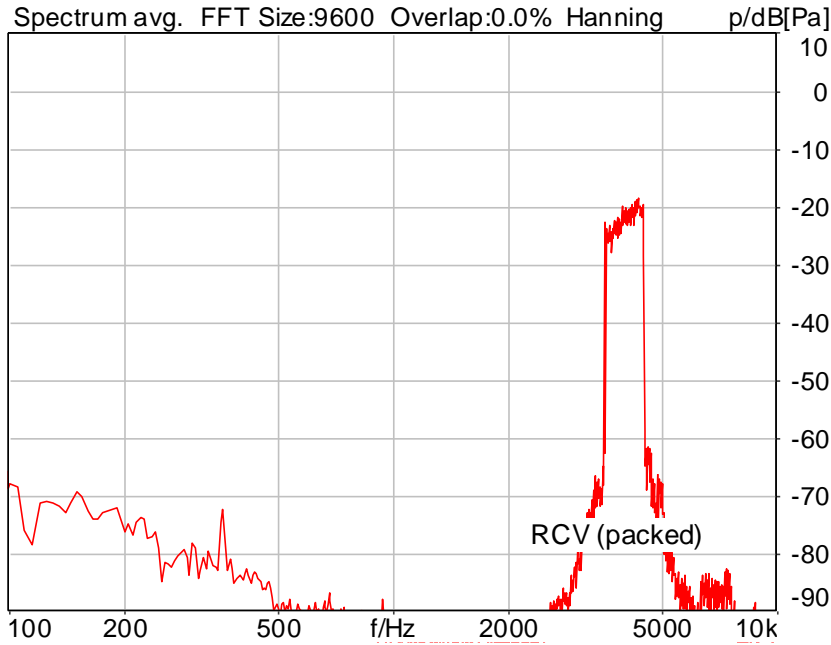
Limits

	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



Distortion (Noise) RCV (packed): 45.14 dB (0.55%) Ok

Ok

2023/10/22 下午 12:09 ACQUA 5.1.200

Limits

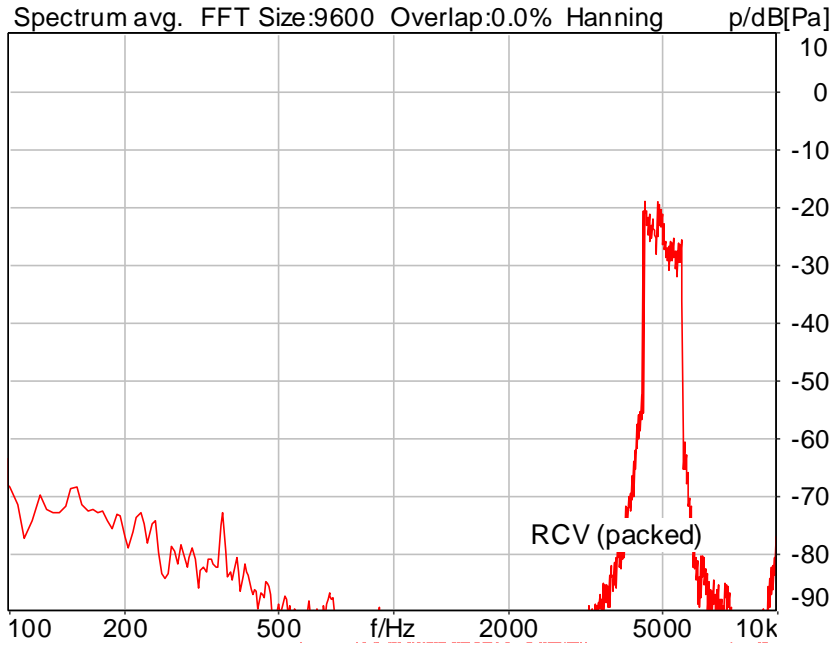
	lower
Run 1	20.00 dB





### 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): 38.87 dB (1.14%) Ok

Ok

2023/10/22 下午 12:09 ACQUA 5.1.200

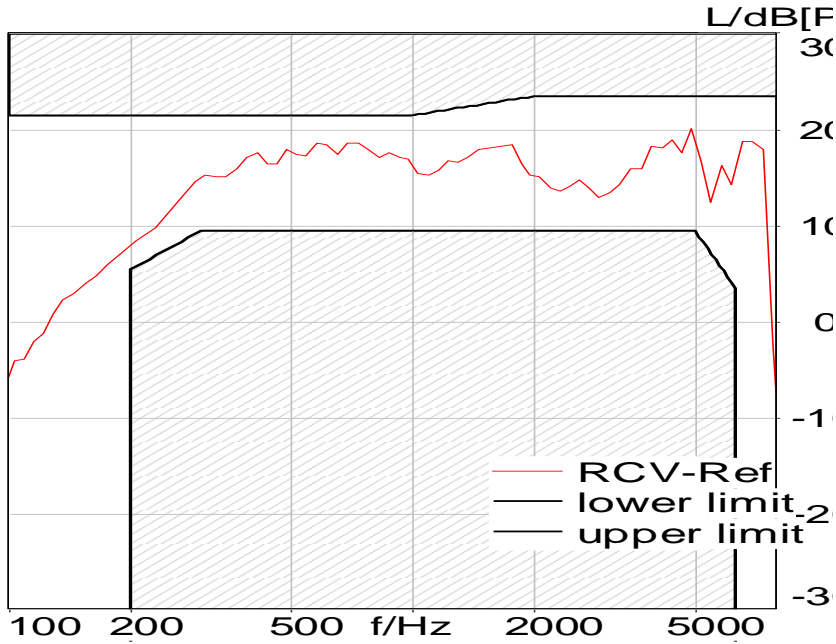
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.80 dB at 689.1 Hz Ok

Ok

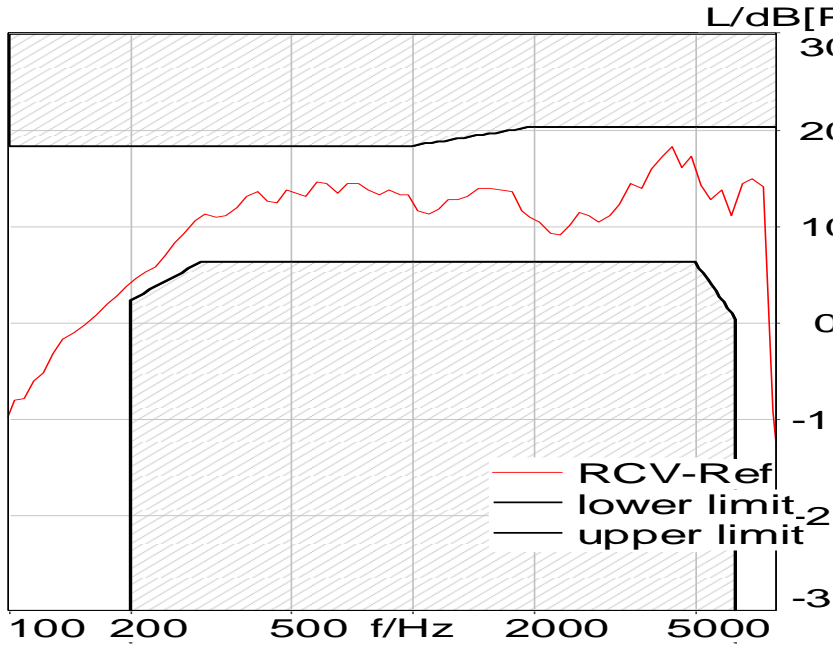
2023/10/22 下午 12:10 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.08 dB at 205.7 Hz Ok

Ok

2023/10/22 下午 12:11 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#6 LTE Band 26 EVS WB 24.4kbps

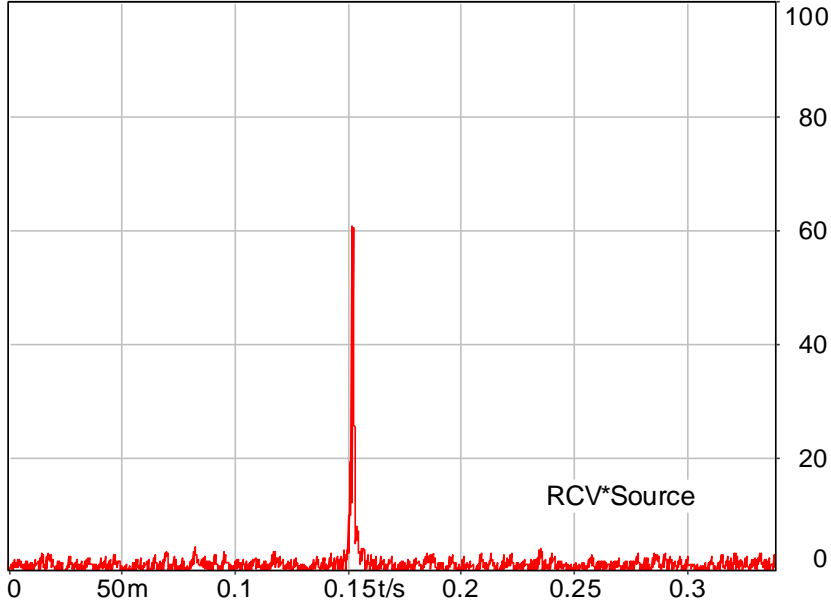
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	152.4
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.22
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.84
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.29
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.11
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.88
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.12
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.01
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.95
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.25
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.90
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.85
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.10
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.16
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.23
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.51
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.31
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.20
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.19
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.10
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.19
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.95
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.90
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.27
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.60
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.26
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.15
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.95
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.96
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.57
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.97
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	2.75
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.30



### Overall Receive Delay WB

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

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



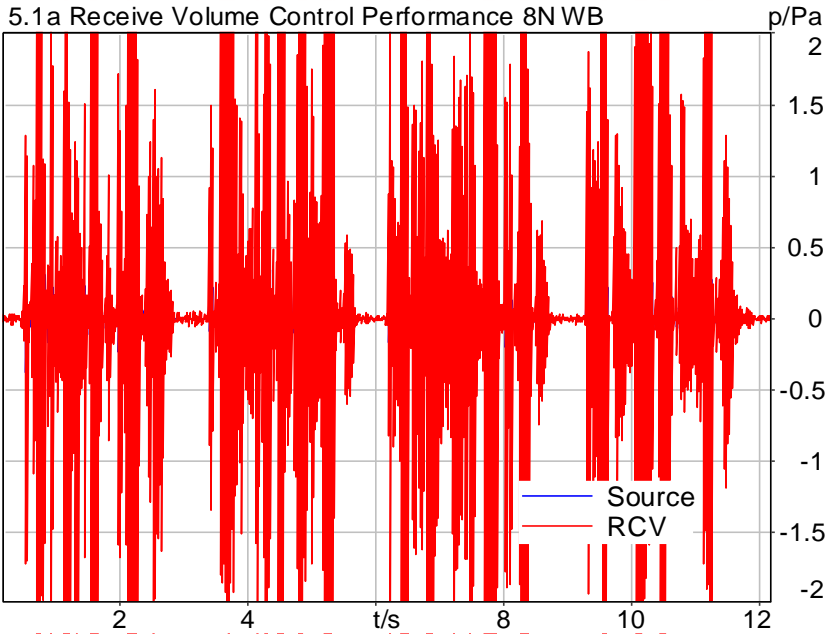
Delay (Cross): 152.4 ms

2023/10/22 下午 12:41 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.22 dB[SPL], Act.: 58.26% Ok

Ok

2023/10/22 下午 12:41 ACQUA 5.1.200

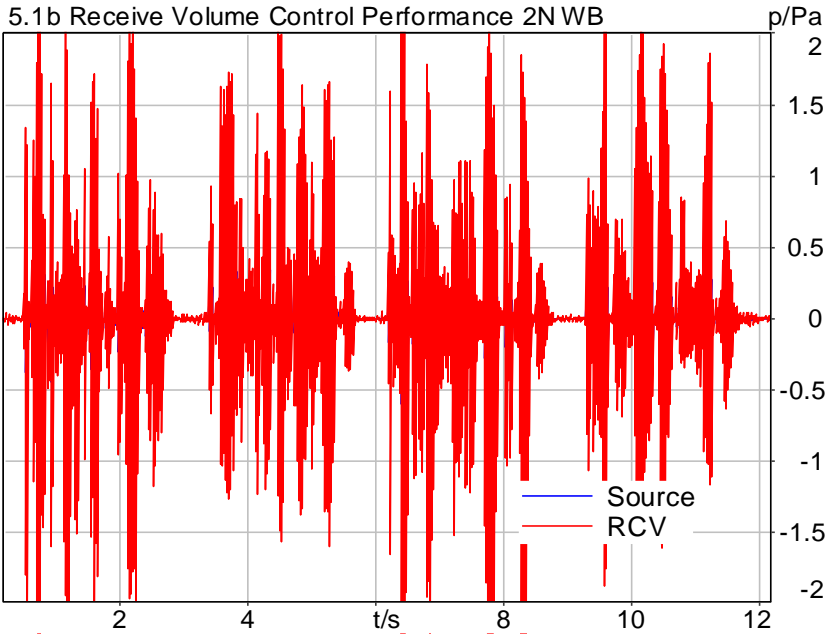
**Limits**

	<b>lower</b>
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.84 dB[SPL], Act.: 26.56% Ok

Ok

2023/10/22 下午 12:42 ACQUA 5.1.200

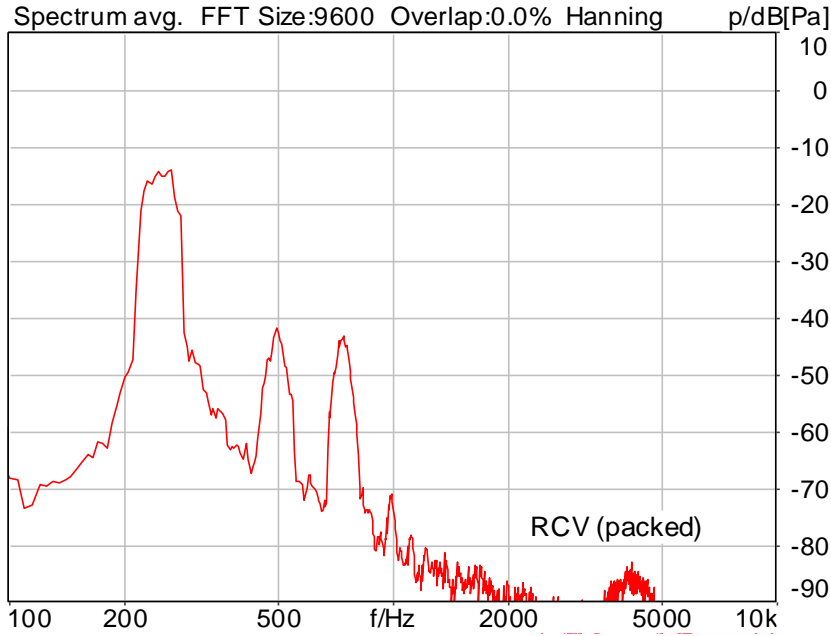
**Limits**

	<b>lower</b>
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): 27.29 dB (4.32%) Ok

Ok

2023/10/22 下午 12:43 ACQUA 5.1.200

Limits

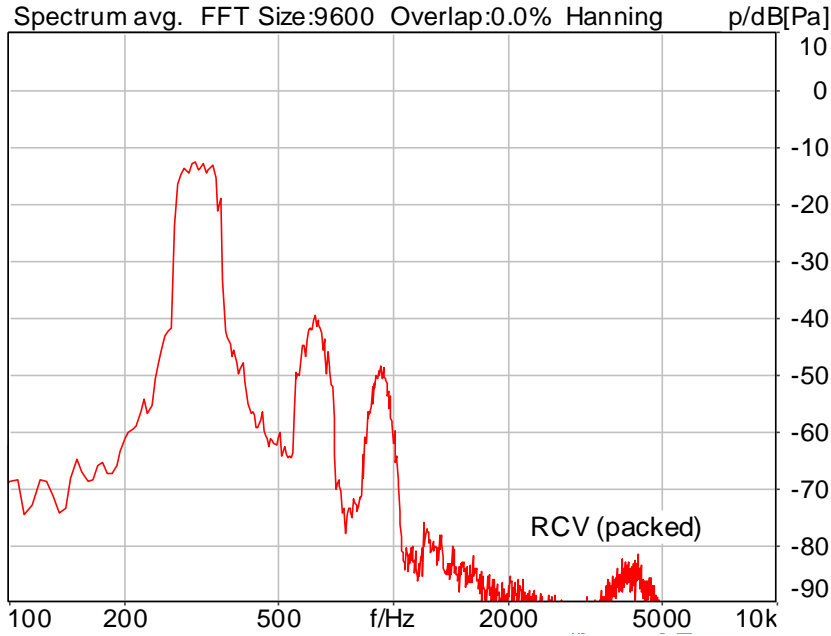
	lower
Run 1	20.00 dB





### 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): 28.11 dB (3.93%) Ok

Ok

2023/10/22 下午 12:43 ACQUA 5.1.200

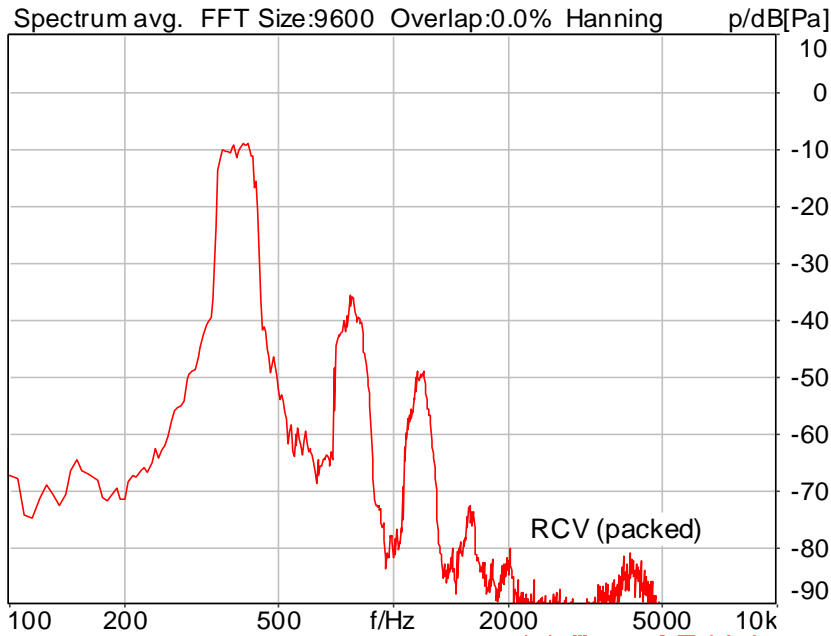
Limits

	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): 27.88 dB (4.04%) Ok

Ok

2023/10/22 下午 12:44 ACQUA 5.1.200

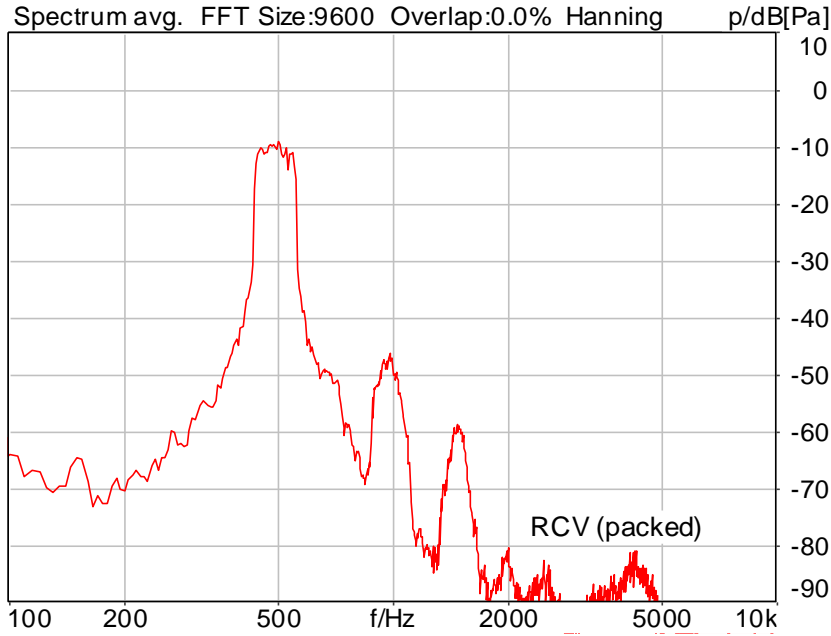
**Limits**

	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): 34.12 dB (1.97%) Ok

Ok

2023/10/22 下午 12:44 ACQUA 5.1.200

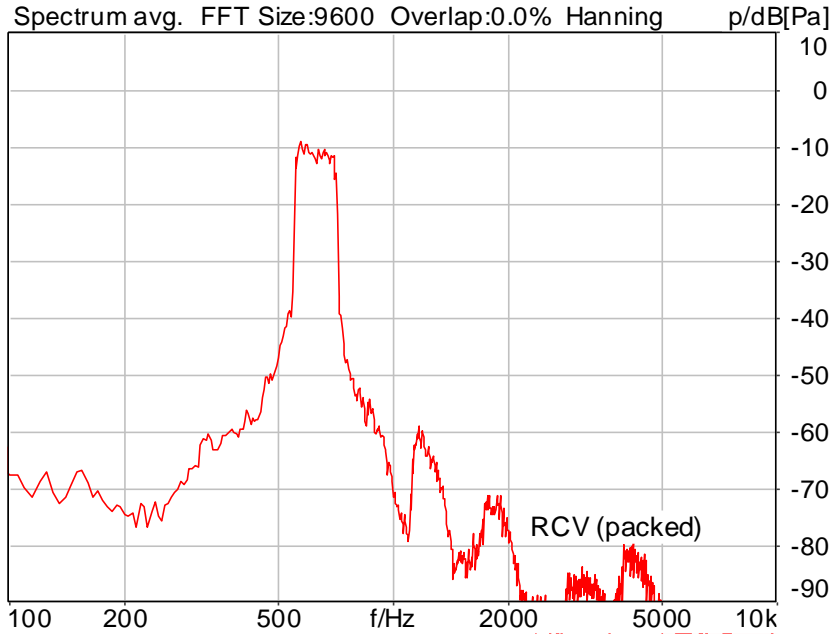
Limits

	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



Distortion (Noise) RCV (packed): 39.01 dB (1.12%) Ok

Ok

2023/10/22 下午 12:45 ACQUA 5.1.200

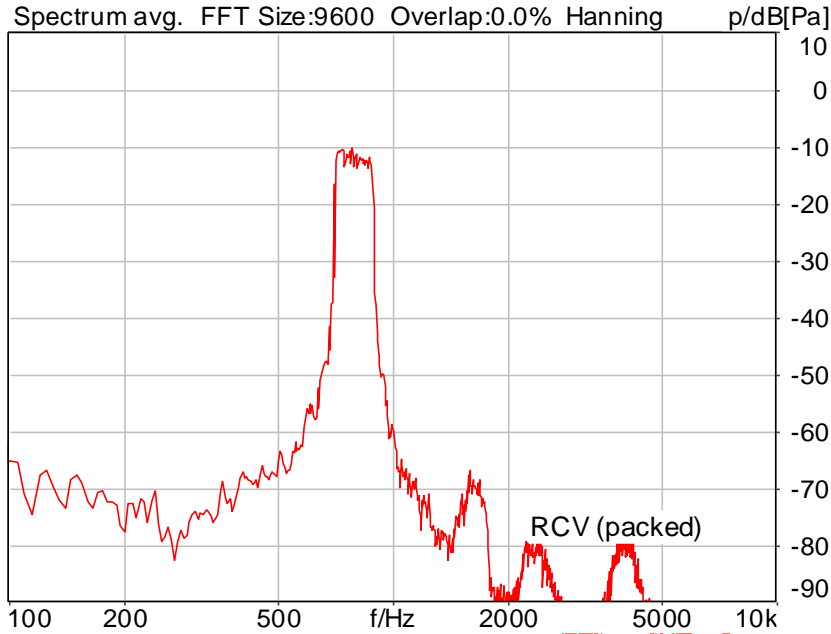
**Limits**

	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): 41.95 dB (0.80%) Ok

Ok

2023/10/22 下午 12:45 ACQUA 5.1.200

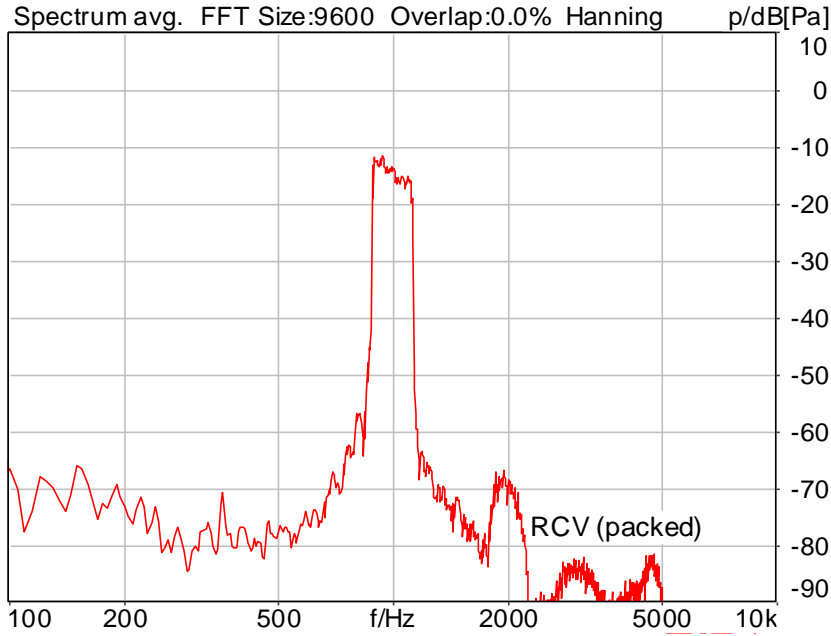
Limits

	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



Distortion (Noise) RCV (packed): 46.25 dB (0.49%) Ok

Ok

2023/10/22 下午 12:46 ACQUA 5.1.200

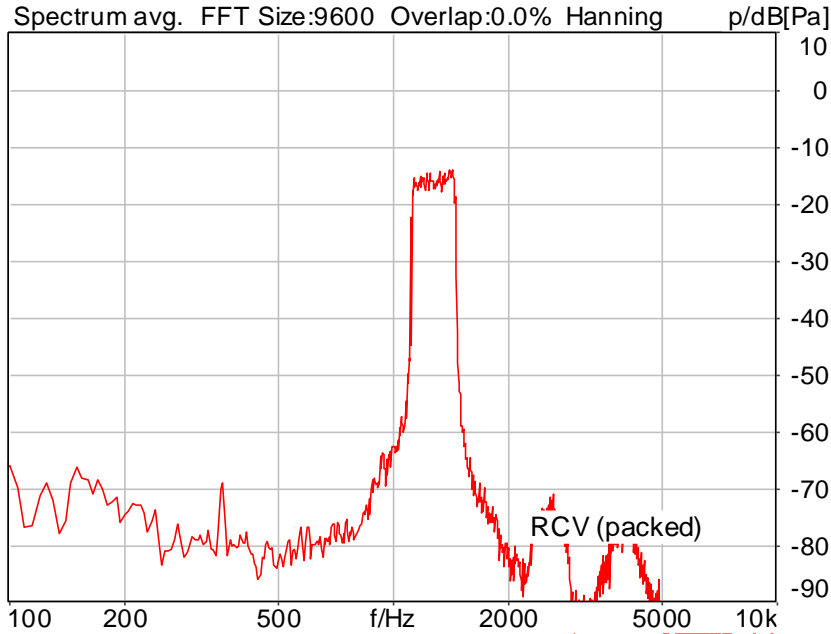
Limits

	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



Distortion (Noise) RCV (packed): 32.90 dB (2.27%) Ok

Ok

2023/10/22 下午 12:46 ACQUA 5.1.200

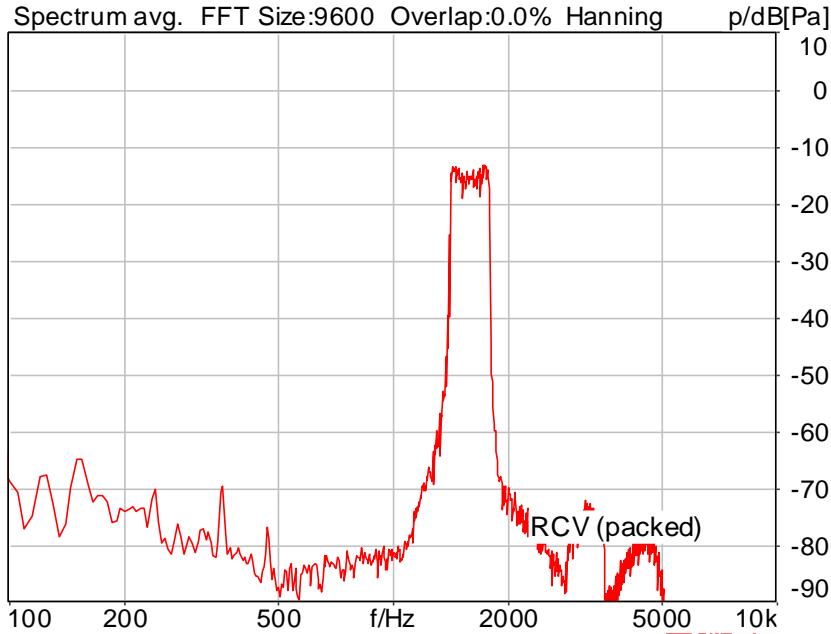
Limits

	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



Distortion (Noise) RCV (packed): 44.85 dB (0.57%) Ok

Ok

2023/10/22 下午 12:47 ACQUA 5.1.200

Limits

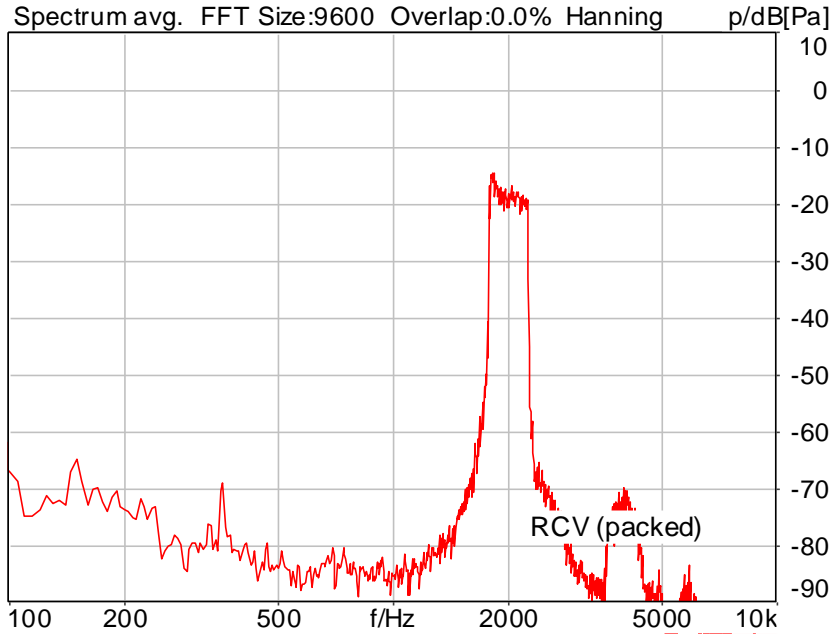
	lower
Run 1	20.00 dB





### 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): 42.10 dB (0.79%) Ok

Ok

2023/10/22 下午 12:47 ACQUA 5.1.200

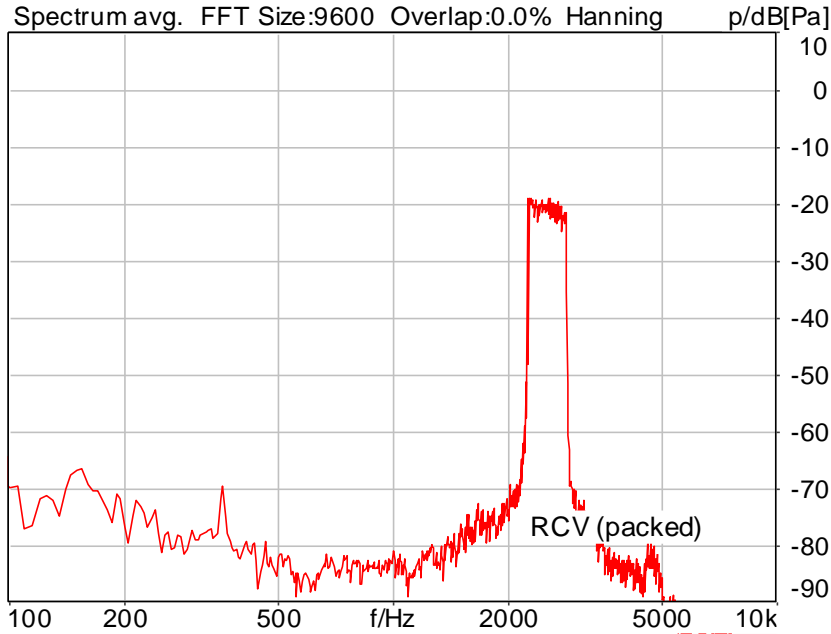
Limits

	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



Distortion (Noise) RCV (packed): 46.16 dB (0.49%) Ok

Ok

2023/10/22 下午 12:47 ACQUA 5.1.200

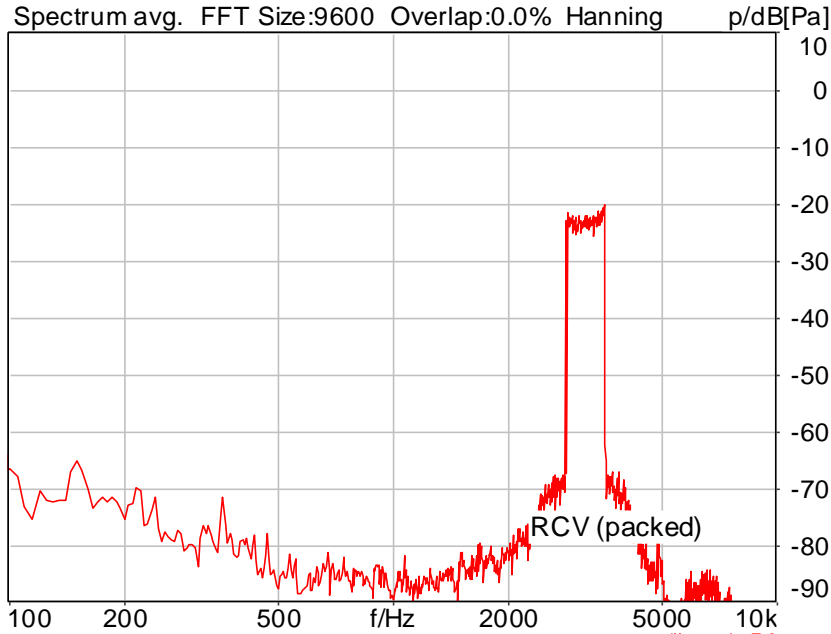
Limits

	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



Distortion (Noise) RCV (packed): 44.23 dB (0.61%) Ok

Ok

2023/10/22 下午 12:48 ACQUA 5.1.200

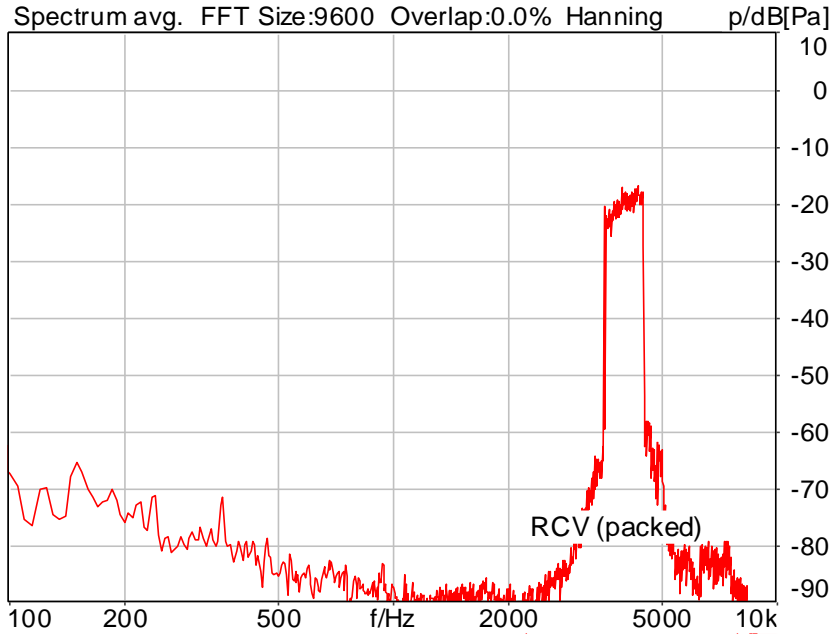
Limits

	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): 43.51 dB (0.67%) Ok

Ok

2023/10/22 下午 12:48 ACQUA 5.1.200

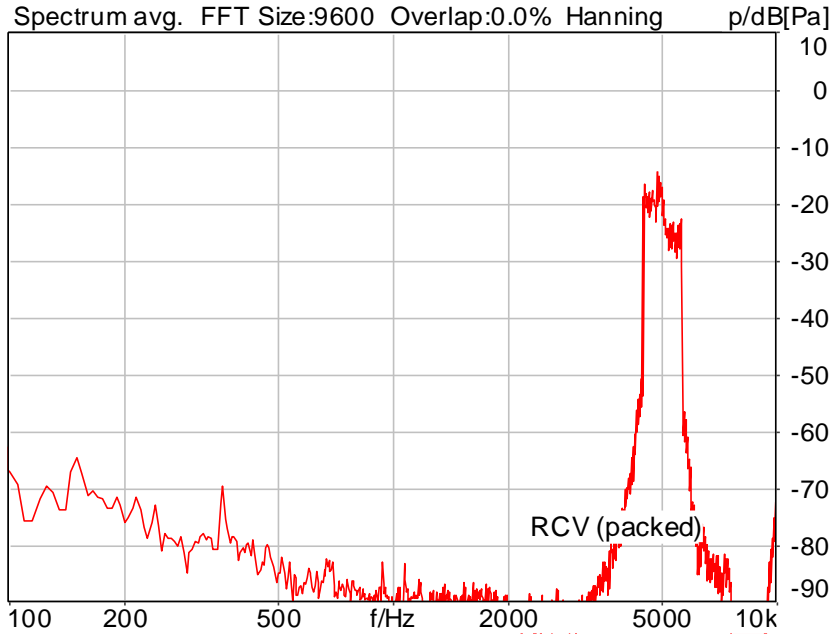
**Limits**

	<b>lower</b>
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



Distortion (Noise) RCV (packed): 40.31 dB (0.96%) Ok

Ok

2023/10/22 下午 12:49 ACQUA 5.1.200

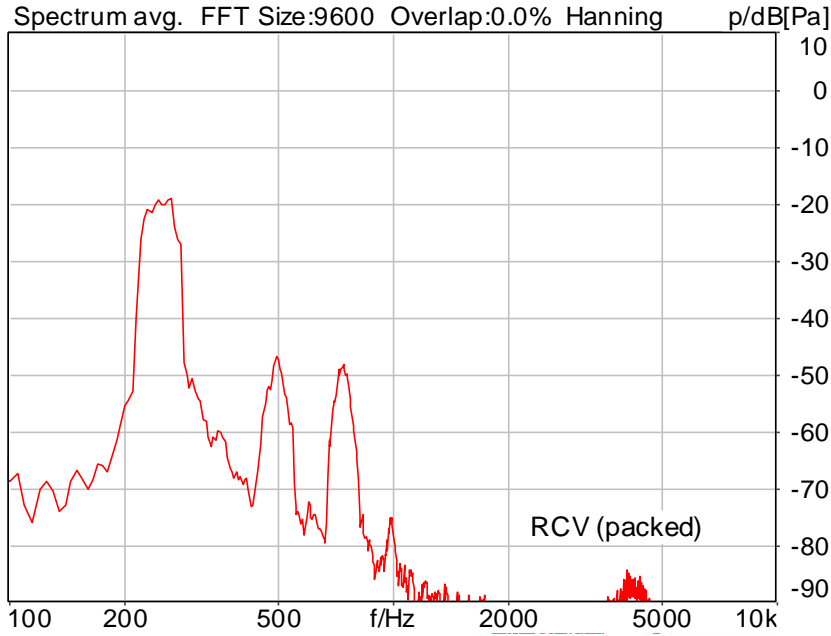
Limits

	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



Distortion (Noise) RCV (packed): 27.20 dB (4.36%) Ok

Ok

2023/10/22 下午 12:50 ACQUA 5.1.200

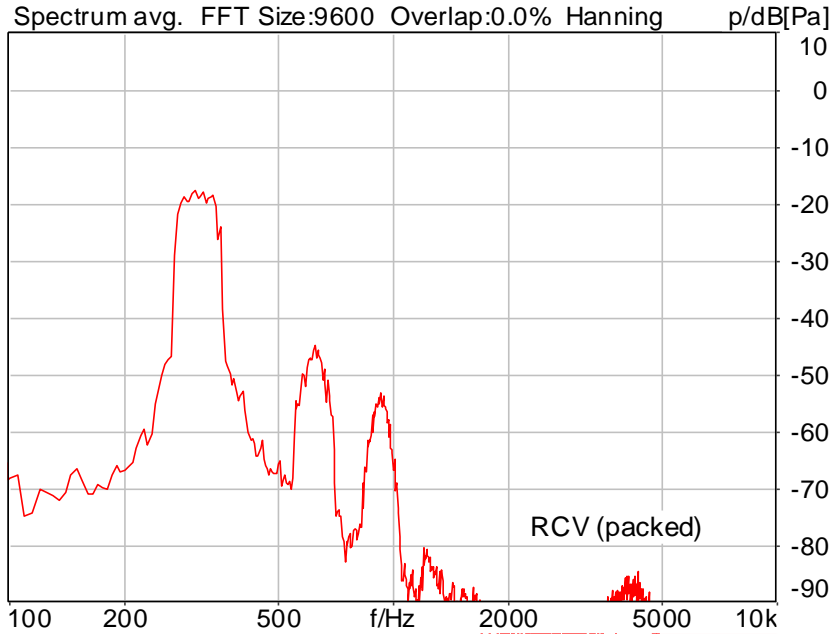
Limits

	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



Distortion (Noise) RCV (packed): 28.19 dB (3.90%) Ok

Ok

2023/10/22 下午 12:50 ACQUA 5.1.200

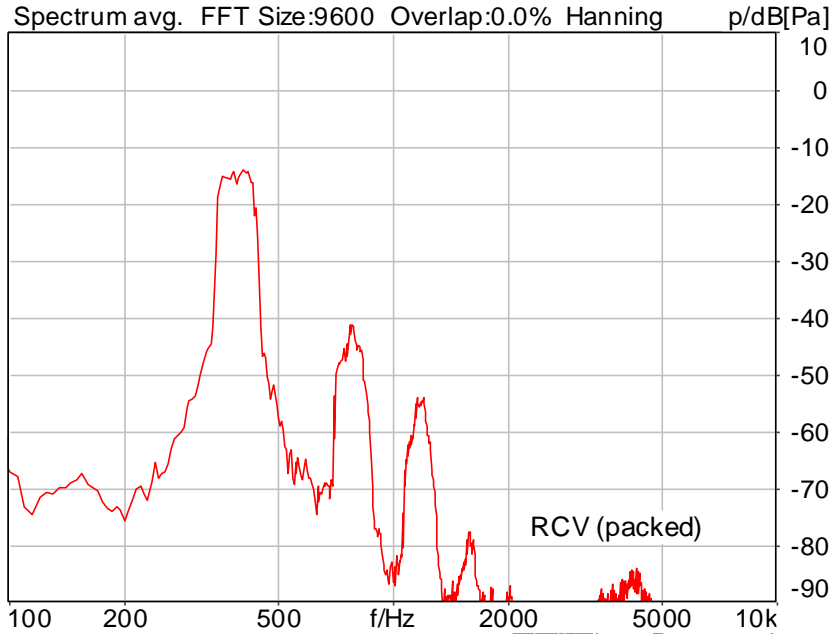
Limits

	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



Distortion (Noise) RCV (packed): 28.10 dB (3.94%) Ok

Ok

2023/10/22 下午 12:51 ACQUA 5.1.200

Limits

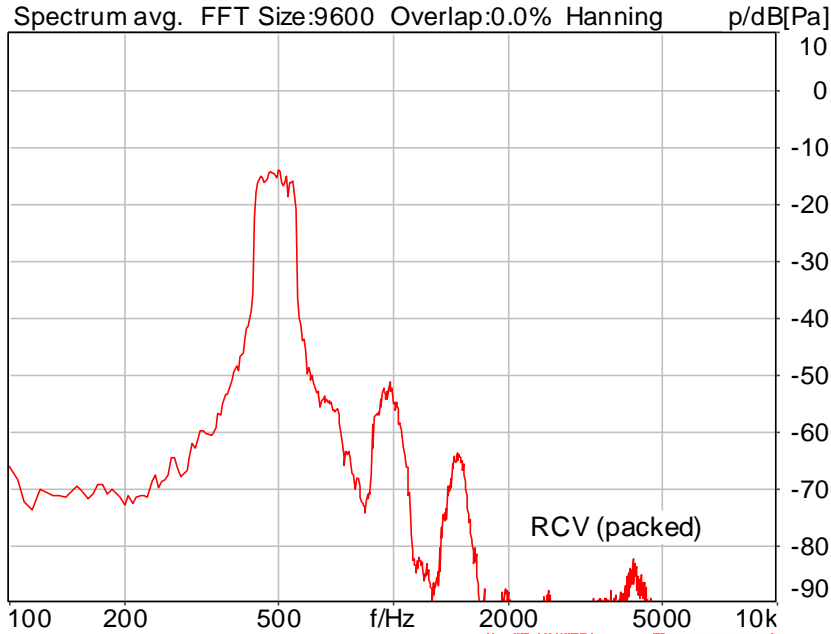
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 34.19 dB (1.95%) Ok

Ok

2023/10/22 下午 12:51 ACQUA 5.1.200

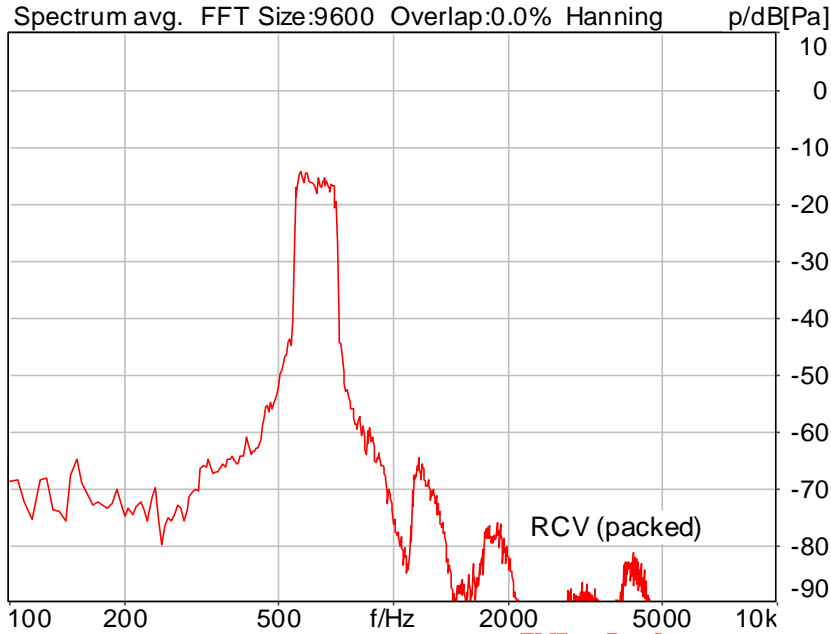
Limits

	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): 38.95 dB (1.13%) Ok

Ok

2023/10/22 下午 12:52 ACQUA 5.1.200

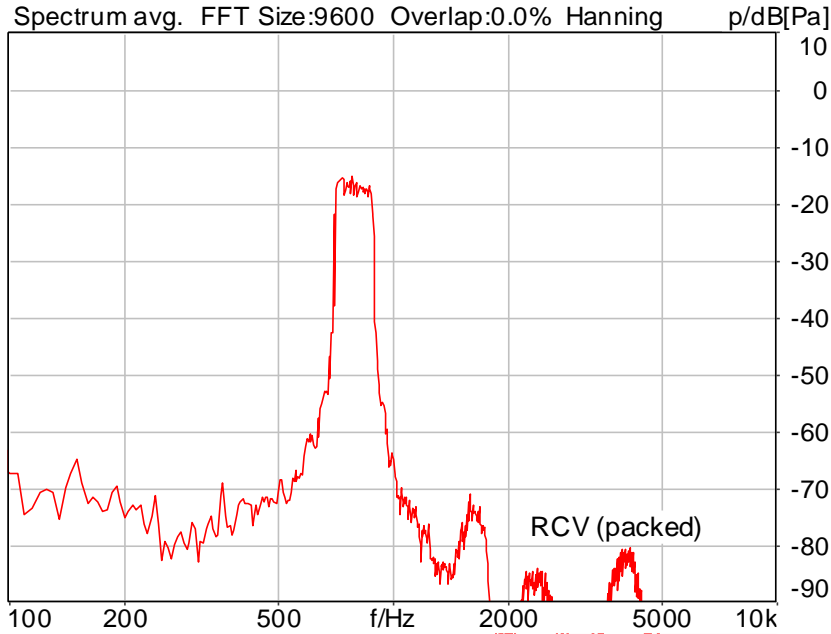
**Limits**

	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): 41.90 dB (0.80%) Ok

Ok

2023/10/22 下午 12:52 ACQUA 5.1.200

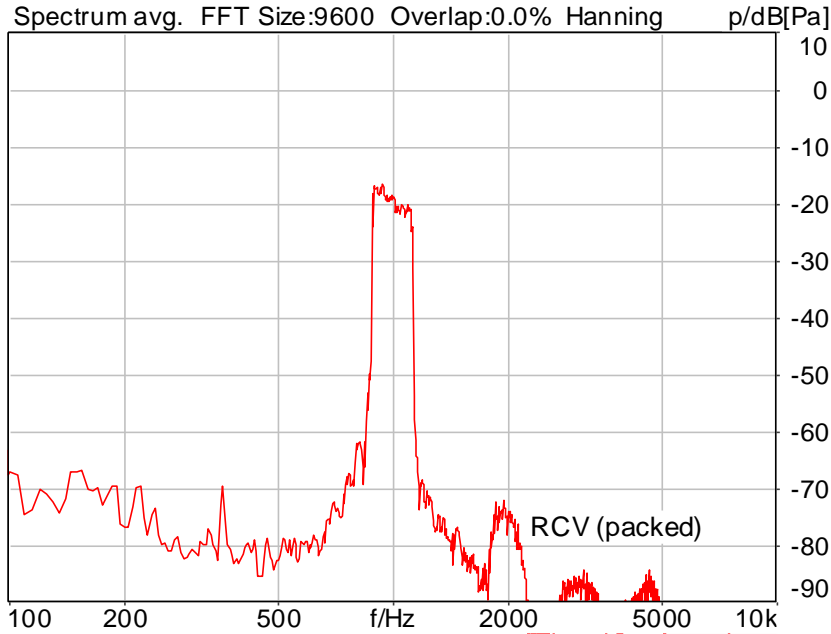
Limits

	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



Distortion (Noise) RCV (packed): 46.27 dB (0.49%) Ok

Ok

2023/10/22 下午 12:53 ACQUA 5.1.200

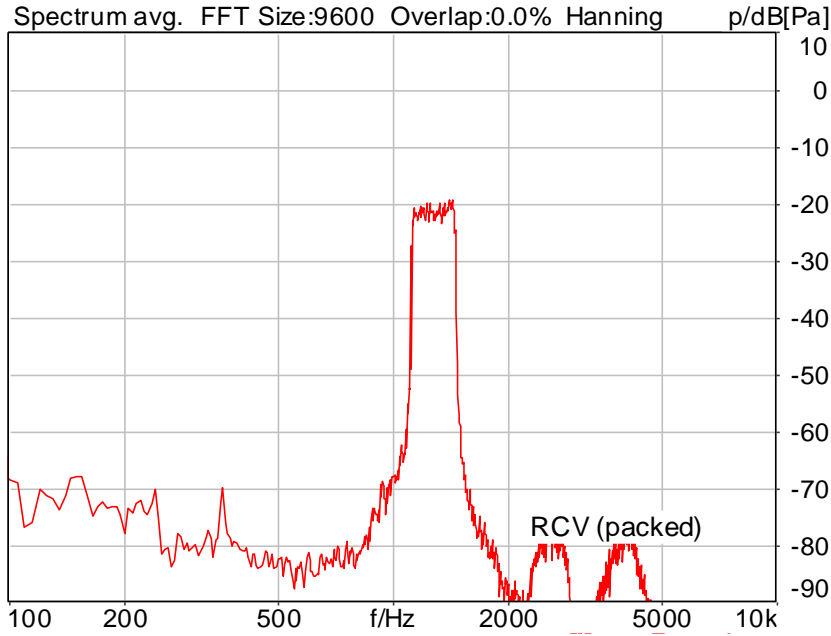
Limits

	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): 33.60 dB (2.09%) Ok

Ok

2023/10/22 下午 12:53 ACQUA 5.1.200

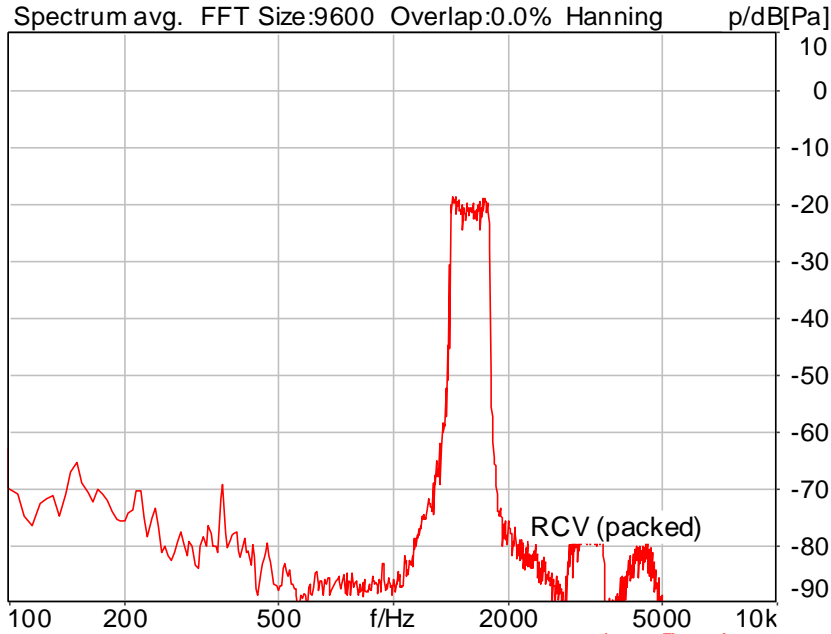
Limits

	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



Distortion (Noise) RCV (packed): 44.26 dB (0.61%) Ok

Ok

2023/10/22 下午 12:54 ACQUA 5.1.200

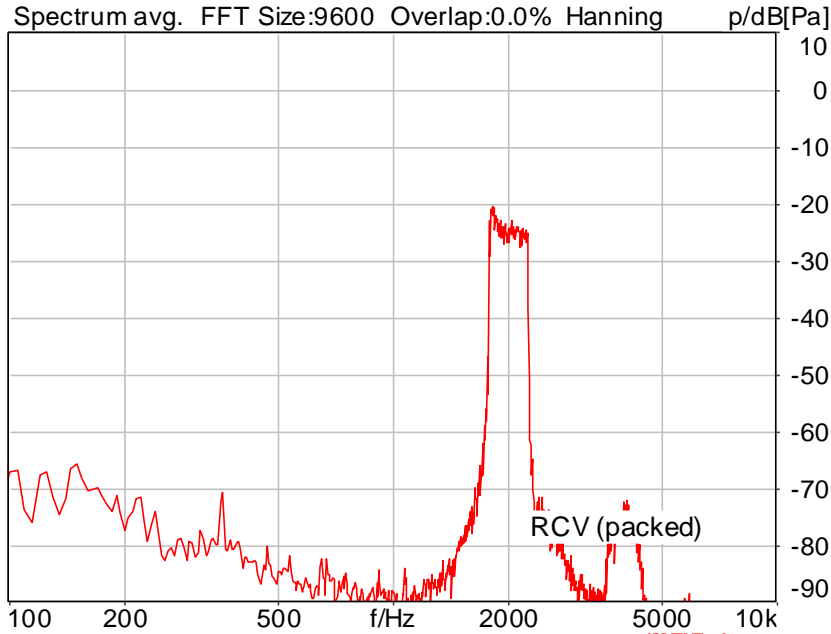
Limits

	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



Distortion (Noise) RCV (packed): 42.15 dB (0.78%) Ok

Ok

2023/10/22 下午 12:54 ACQUA 5.1.200

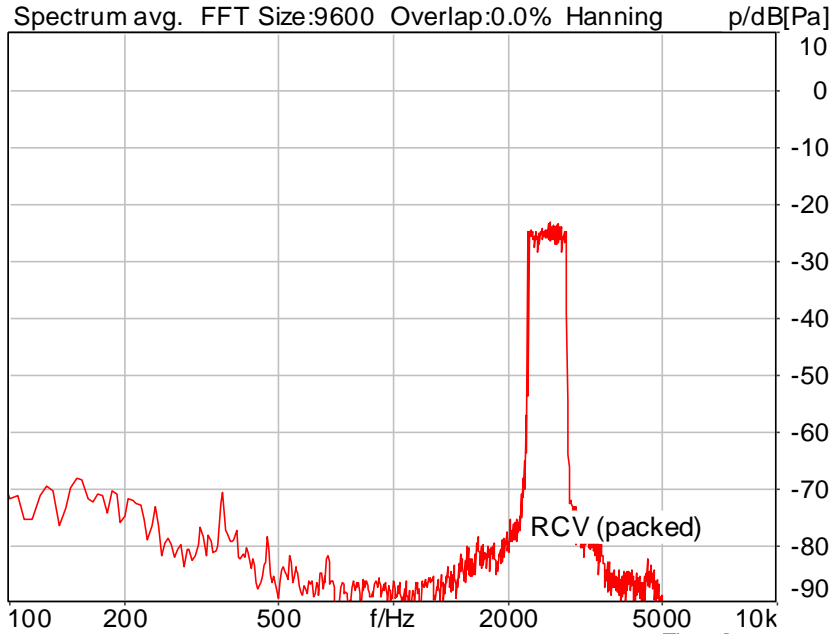
Limits

	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



Distortion (Noise) RCV (packed): 45.95 dB (0.50%) Ok

Ok

2023/10/22 下午 12:55 ACQUA 5.1.200

Limits

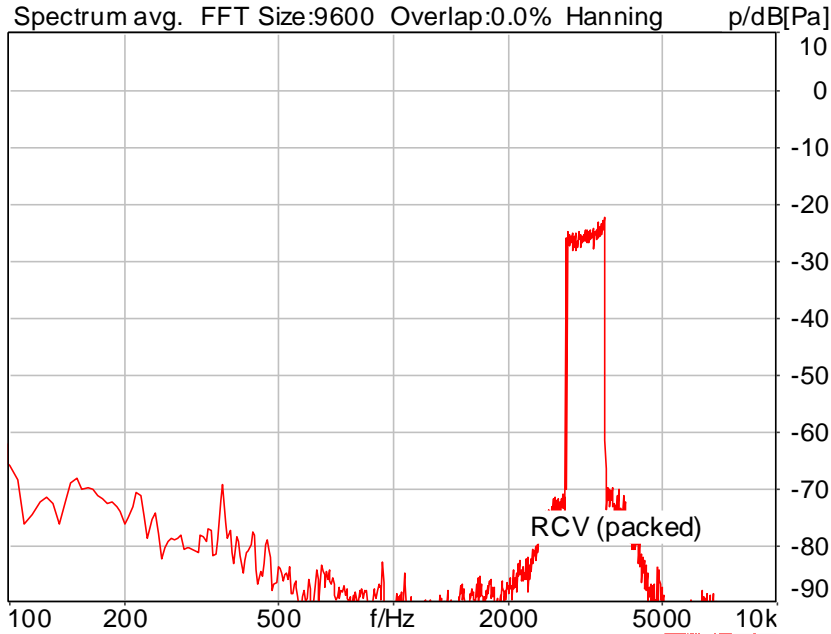
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.96 dB (0.56%) Ok

Ok

2023/10/22 下午 12:55 ACQUA 5.1.200

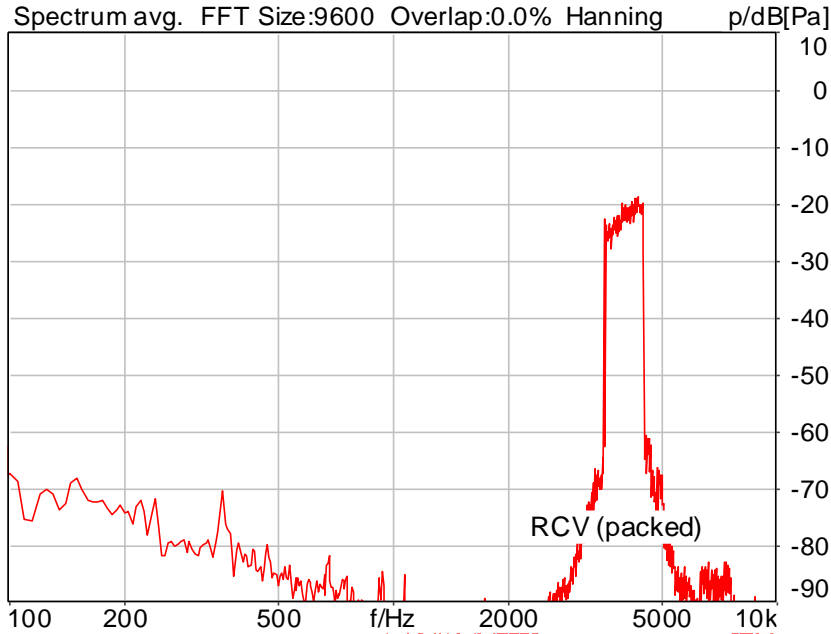
Limits

	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



Distortion (Noise) RCV (packed): 44.57 dB (0.59%) Ok

Ok

2023/10/22 下午 12:56 ACQUA 5.1.200

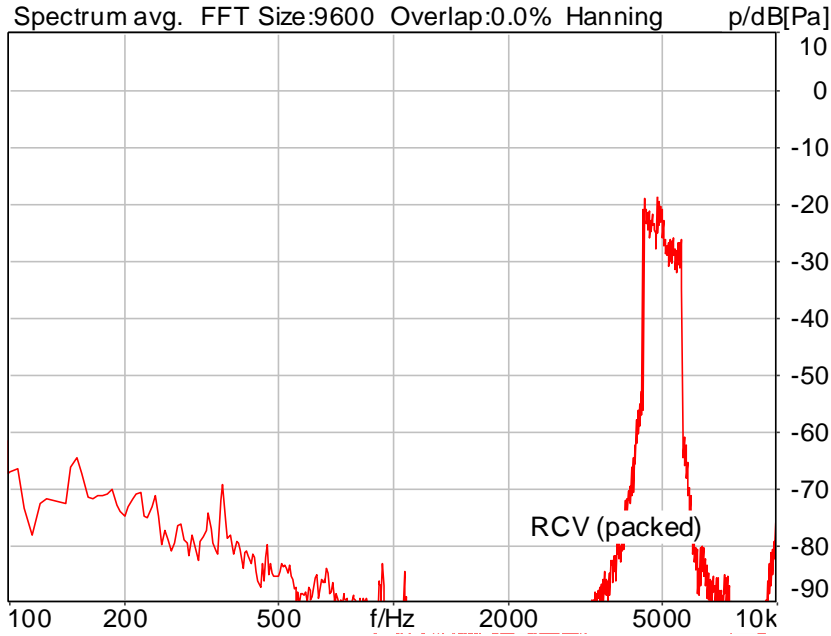
Limits

	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): 38.97 dB (1.13%) Ok

Ok

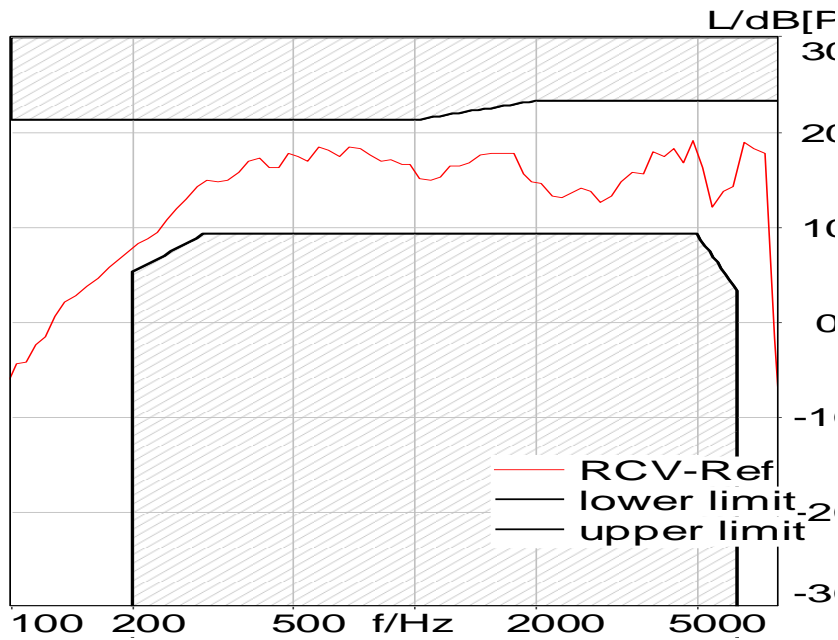
2023/10/22 下午 12:56 ACQUA 5.1.200

**Limits**

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.75 dB at 576.7 Hz Ok

Ok

2023/10/22 下午 12:57 ACQUA 5.1.200

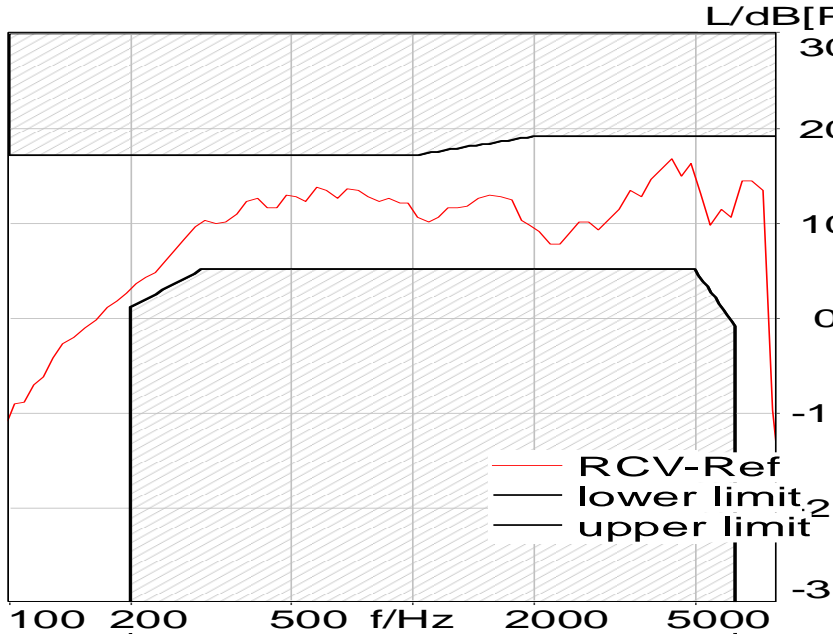
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.30 dB at 4369.4 Hz Ok

Ok

2023/10/22 下午 12:57 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#7 LTE Band 30 EVS WB 24.4kbps

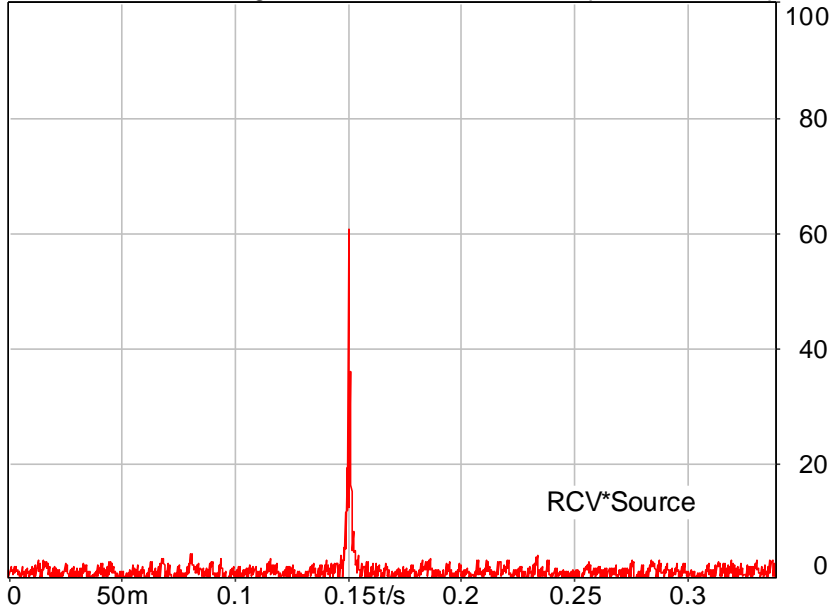
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	150.6
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.11
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.15
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.24
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.15
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.92
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.08
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.00
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.20
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.42
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.94
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.80
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.95
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.20
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.48
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.77
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.93
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.18
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.22
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.16
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.23
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.93
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.15
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.37
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.56
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.27
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.09
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.49
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.10
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.65
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.89
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	2.35
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.34



### Overall Receive Delay WB

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

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



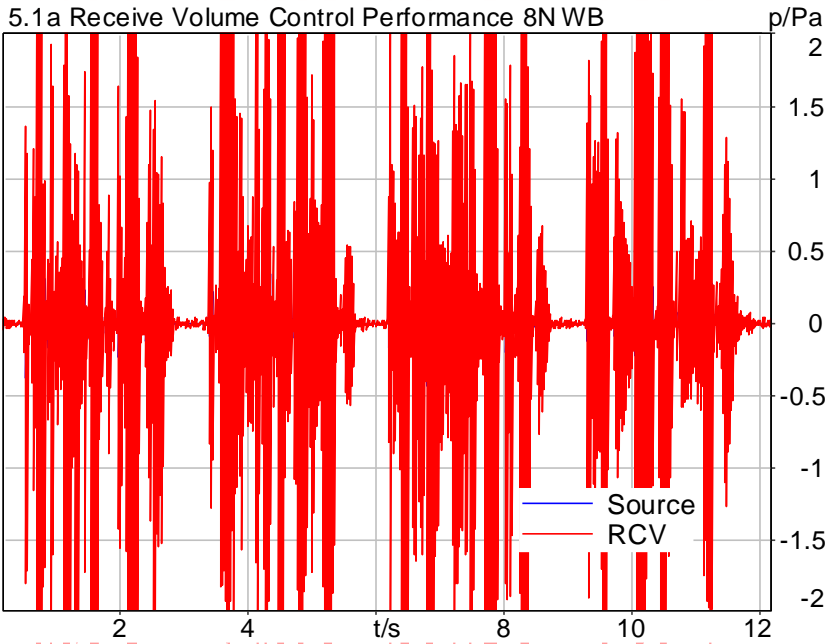
Delay (Cross): 150.6 ms

2023/10/22 下午 01:38 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.11 dB[SPL], Act.: 59.48% Ok

Ok

2023/10/22 下午 01:39 ACQUA 5.1.200

Limits

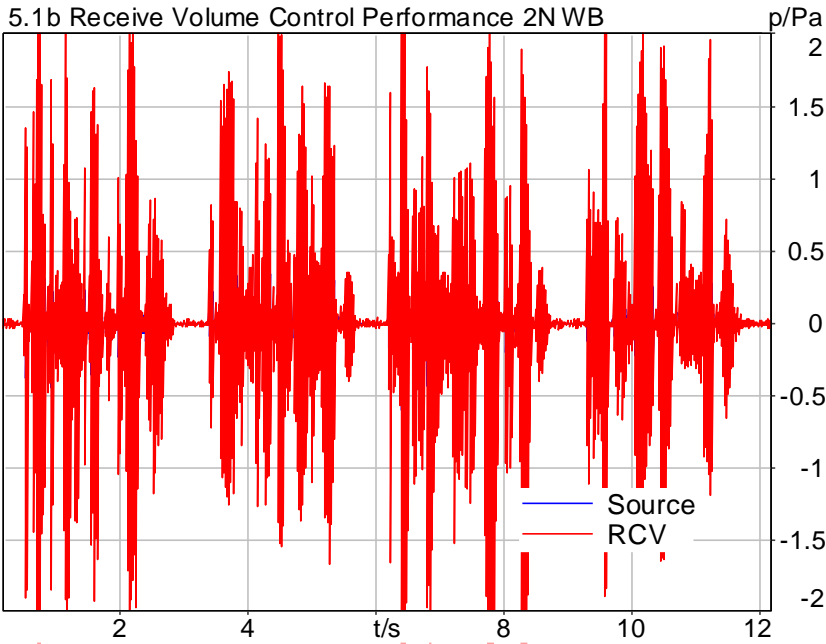
	lower
Run 1	88.00 dB20uPa





### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.15 dB[SPL], Act.: 29.80% Ok

Ok

2023/10/22 下午 01:39 ACQUA 5.1.200

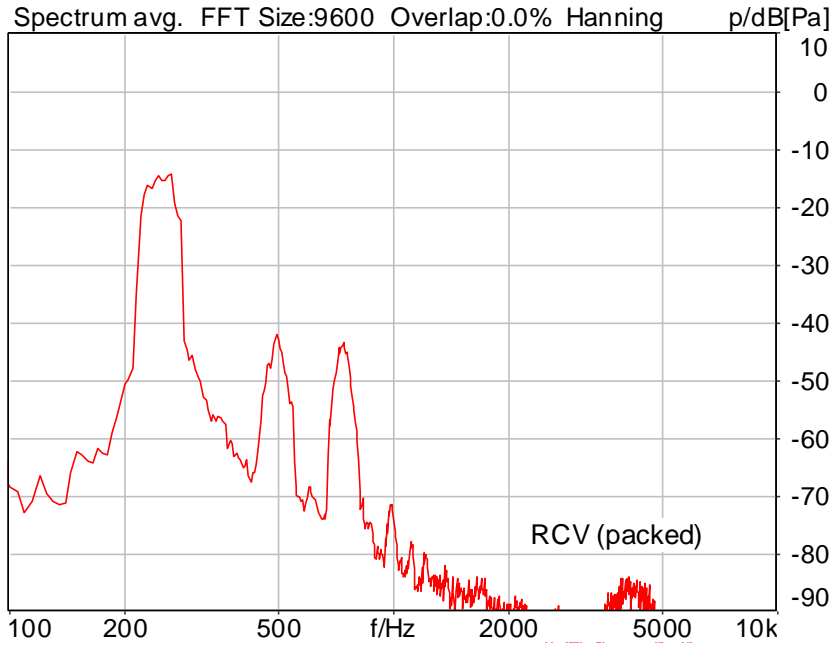
**Limits**

	<b>lower</b>
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): 27.24 dB (4.34%) Ok

Ok

2023/10/22 下午 01:40 ACQUA 5.1.200

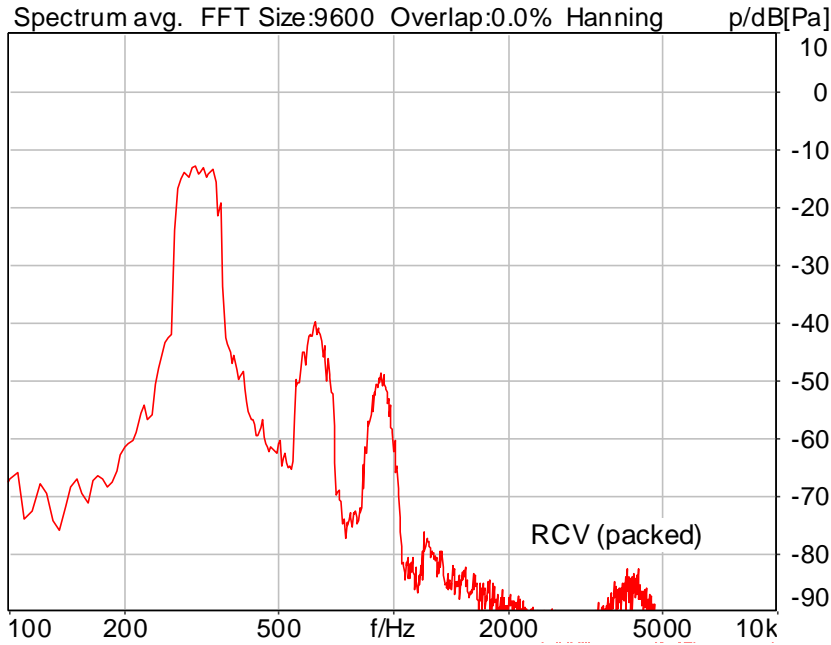
Limits

	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): 28.15 dB (3.91%) Ok

Ok

2023/10/22 下午 01:41 ACQUA 5.1.200

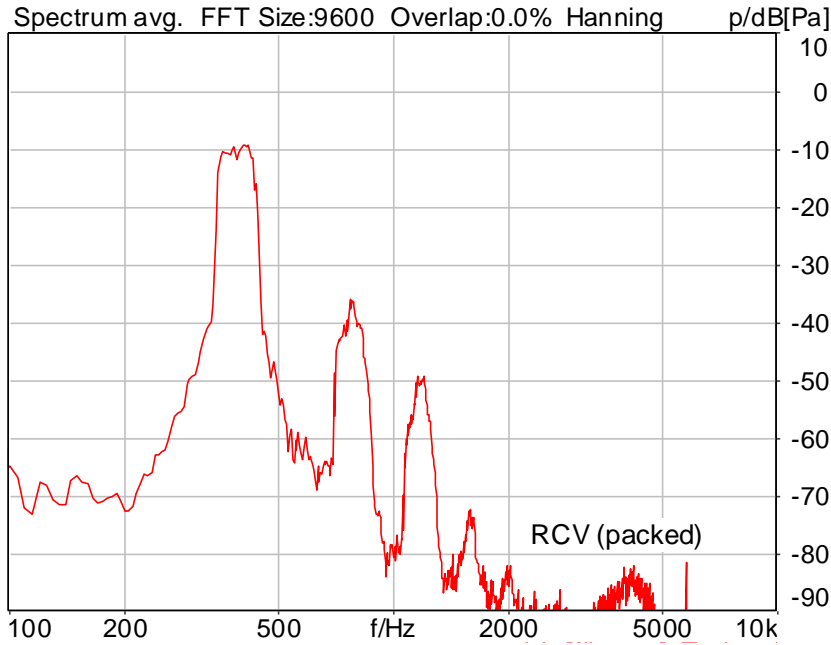
Limits

	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): 27.92 dB (4.02%) Ok

Ok

2023/10/22 下午 01:41 ACQUA 5.1.200

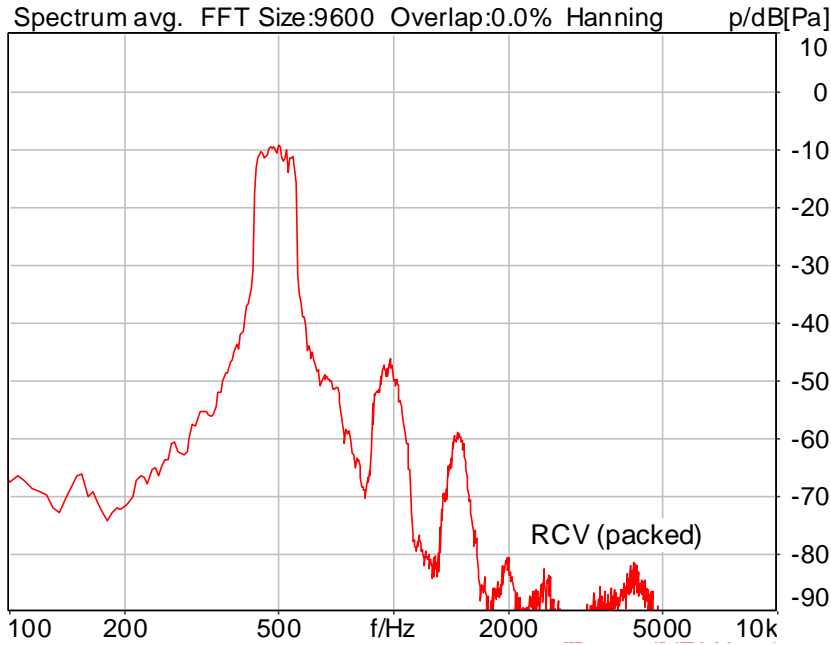
Limits

	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): 34.08 dB (1.98%) Ok

Ok

2023/10/22 下午 01:42 ACQUA 5.1.200

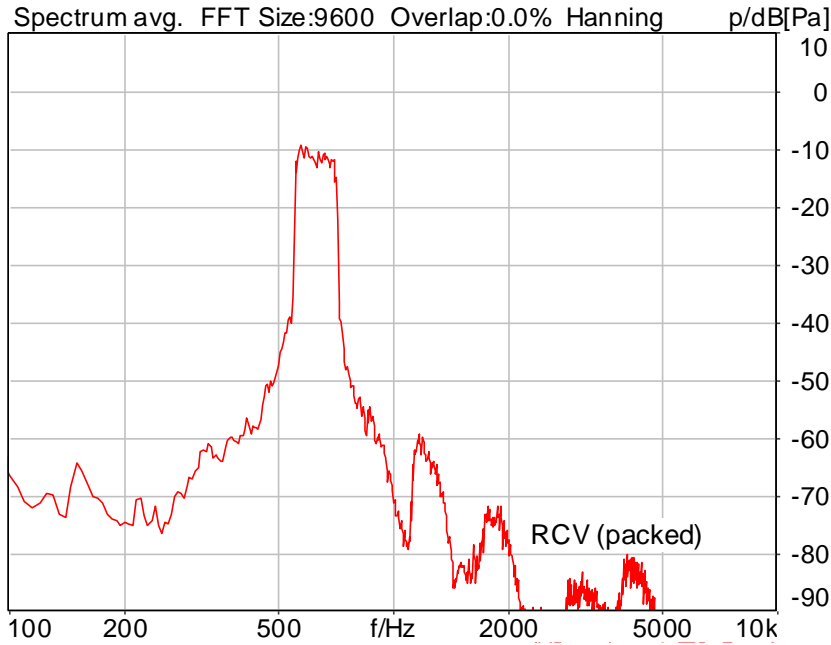
Limits

	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



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

Ok

2023/10/22 下午 01:42 ACQUA 5.1.200

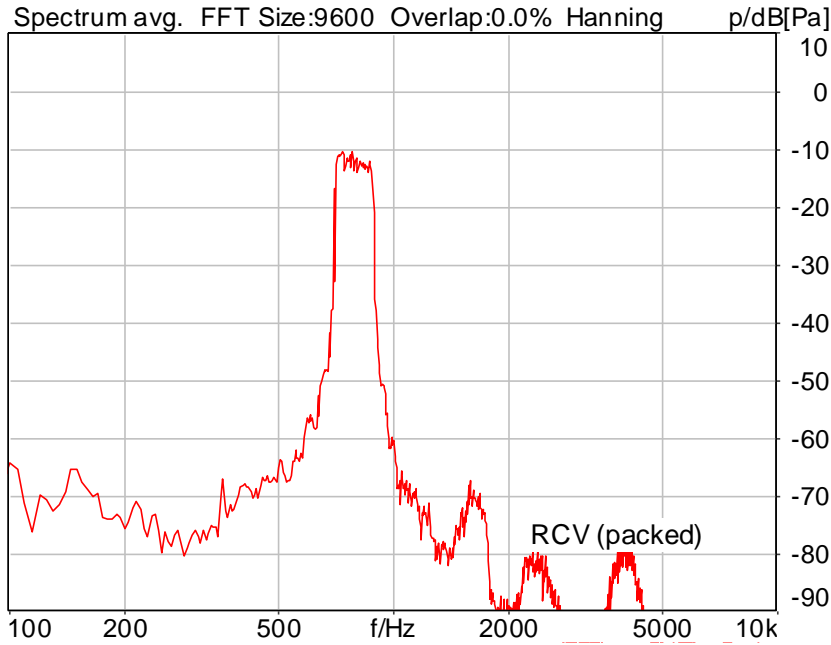
Limits

	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): 42.20 dB (0.78%) Ok

Ok

2023/10/22 下午 01:43 ACQUA 5.1.200

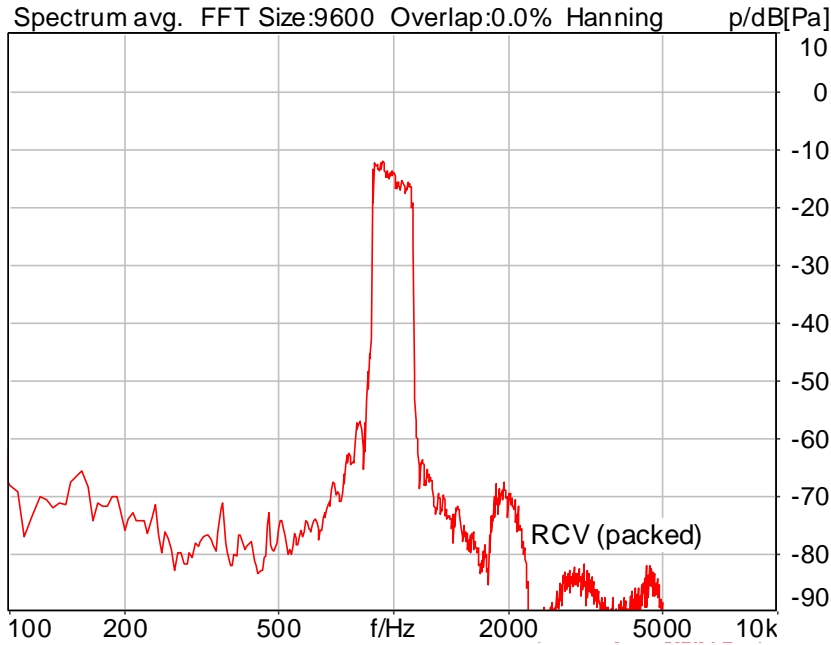
Limits

	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



Distortion (Noise) RCV (packed): 46.42 dB (0.48%) Ok

Ok

2023/10/22 下午 01:43 ACQUA 5.1.200

Limits

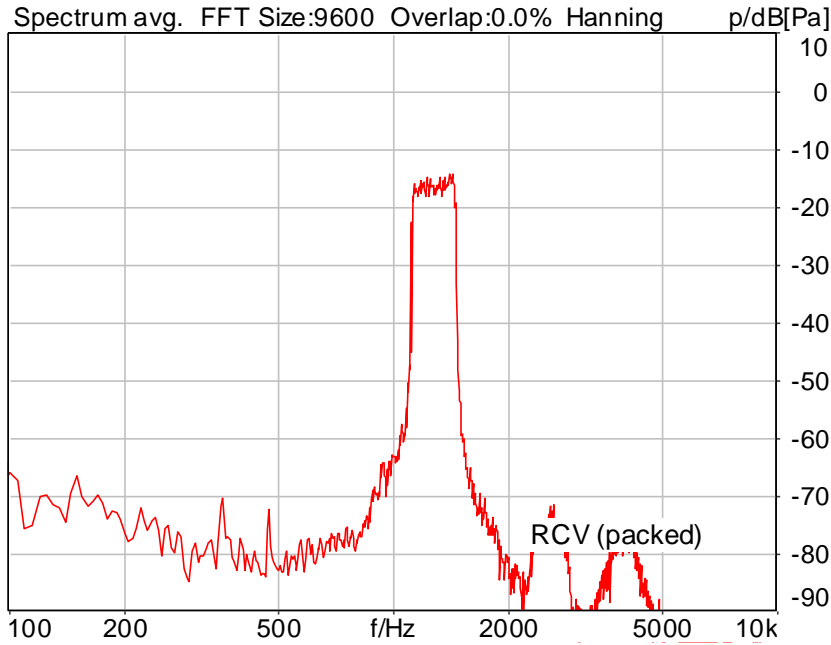
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 32.94 dB (2.25%) Ok

Ok

2023/10/22 下午 01:44 ACQUA 5.1.200

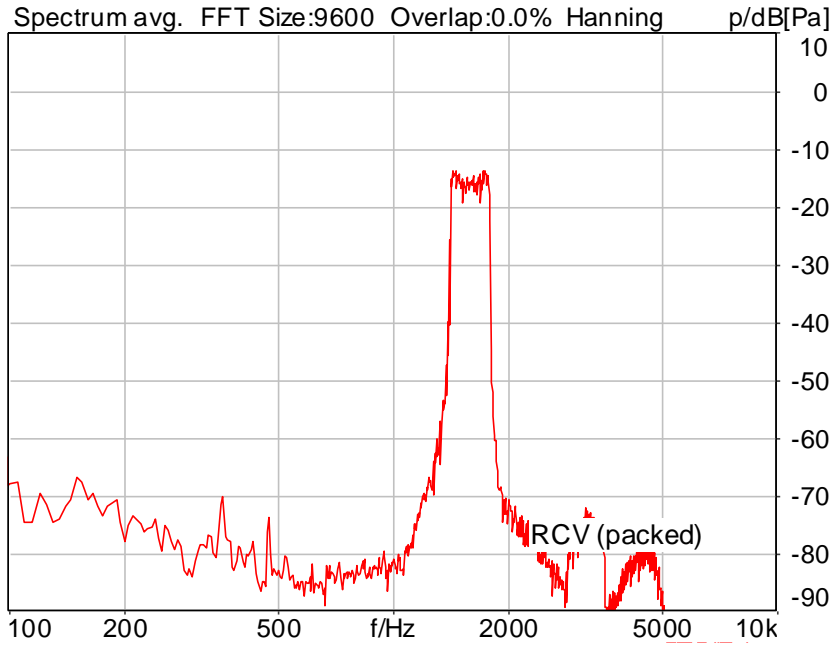
Limits

	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



Ok

2023/10/22 下午 01:44 ACQUA 5.1.200

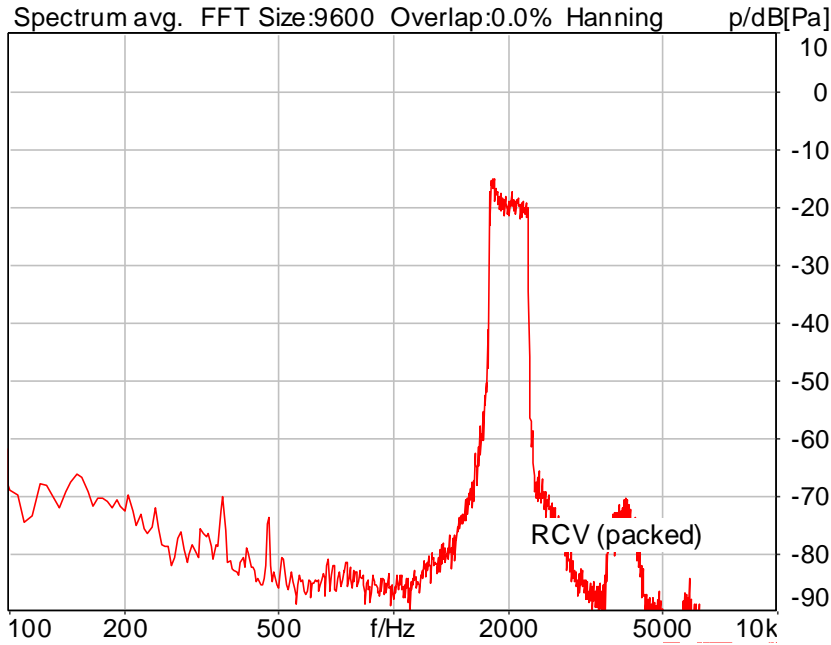
Limits

	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): 41.95 dB (0.80%) Ok

Ok

2023/10/22 下午 01:45 ACQUA 5.1.200

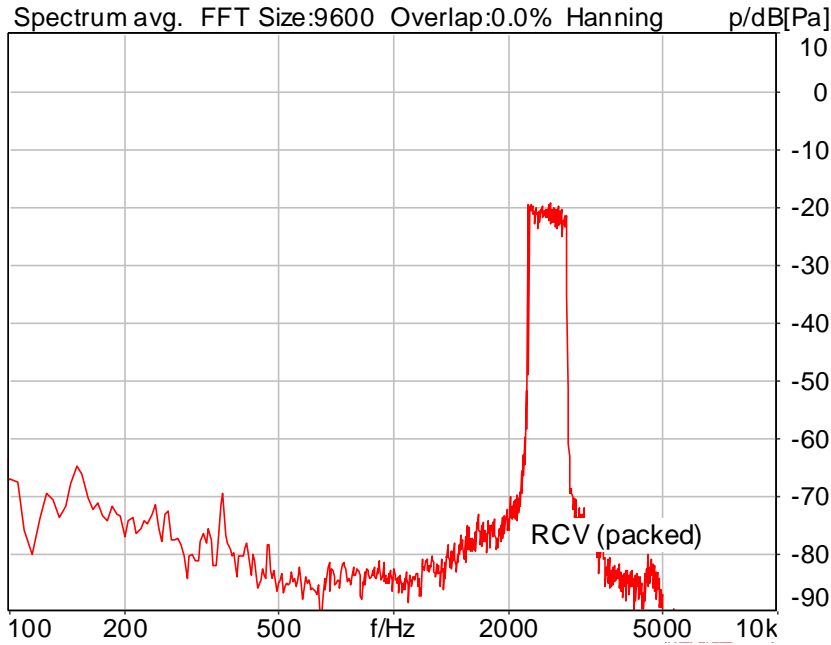
Limits

	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



Distortion (Noise) RCV (packed): 46.20 dB (0.49%) Ok

Ok

2023/10/22 下午 01:45 ACQUA 5.1.200

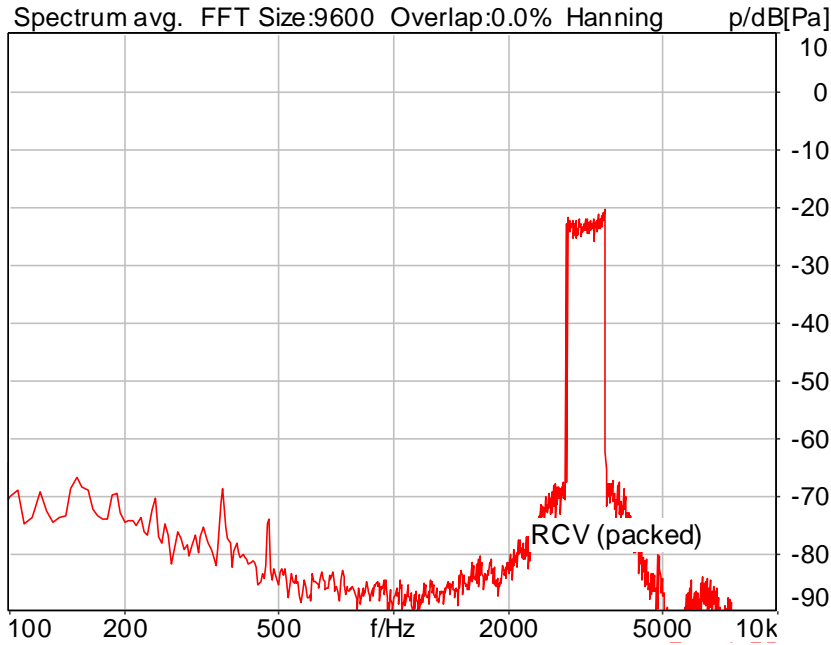
Limits

	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



Distortion (Noise) RCV (packed): 44.48 dB (0.60%) Ok

Ok

2023/10/22 下午 01:45 ACQUA 5.1.200

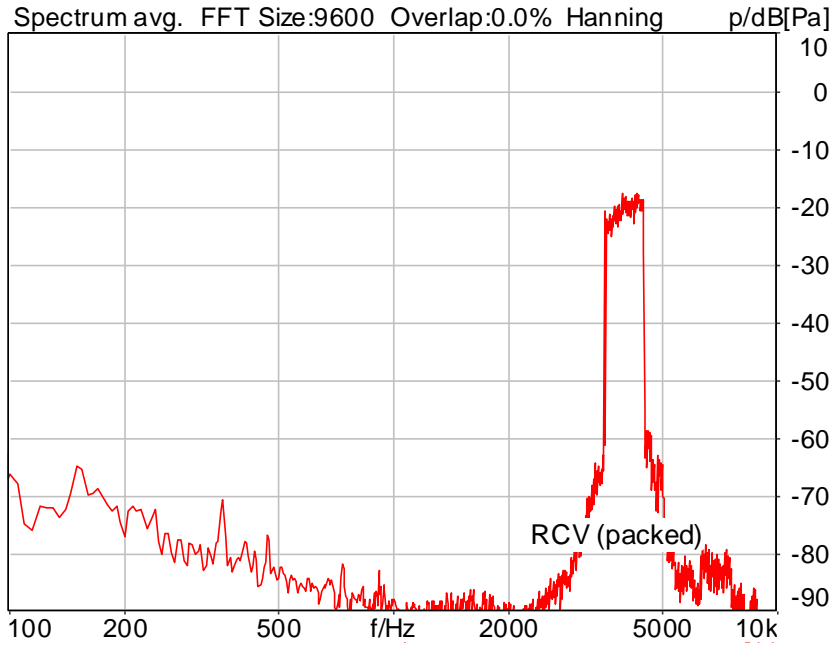
Limits

	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): 43.77 dB (0.65%) Ok

Ok

2023/10/22 下午 01:46 ACQUA 5.1.200

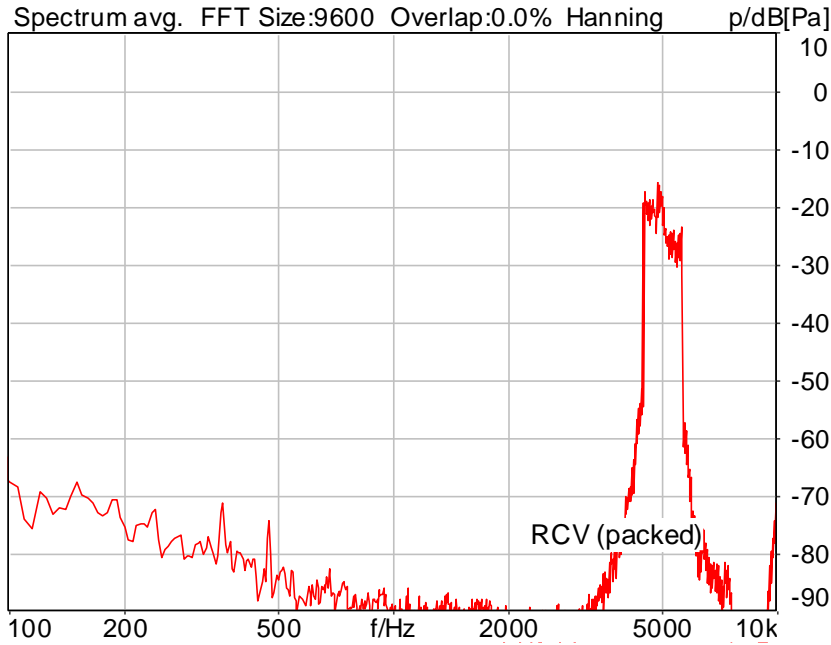
Limits

	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



Distortion (Noise) RCV (packed): 39.93 dB (1.01%) Ok

Ok

2023/10/22 下午 01:46 ACQUA 5.1.200

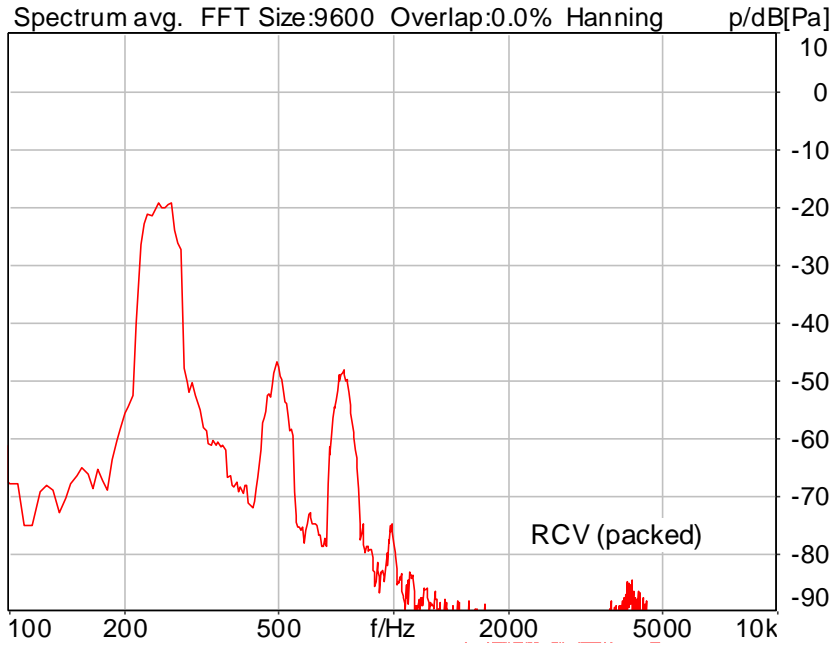
Limits

	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



Distortion (Noise) RCV (packed): 27.18 dB (4.37%) Ok

Ok

2023/10/22 下午 01:47 ACQUA 5.1.200

Limits

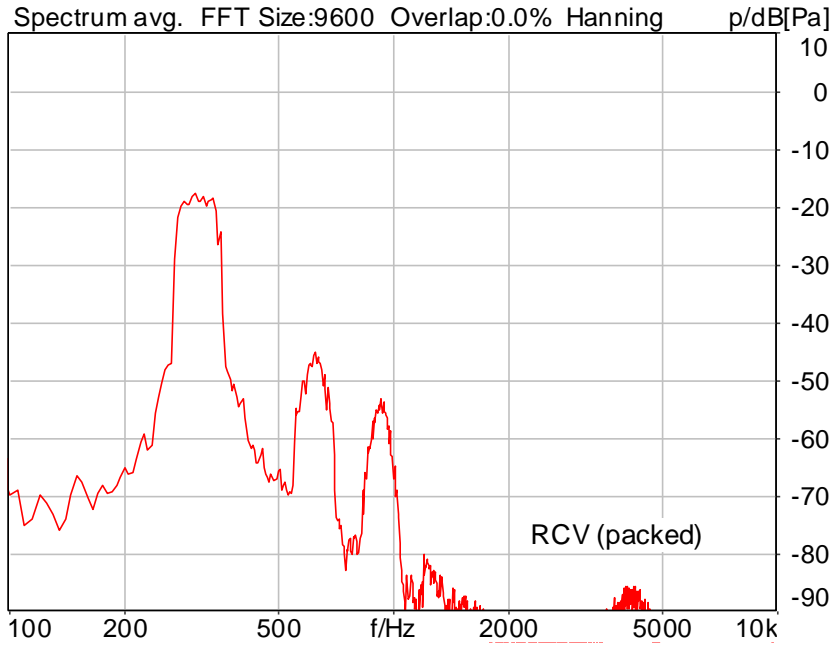
	lower
Run 1	20.00 dB





### 5.2 RCV Distortion and Noise - 315 Hz WB

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



Distortion (Noise) RCV (packed): 28.22 dB (3.88%) Ok

Ok

2023/10/22 下午 01:48 ACQUA 5.1.200

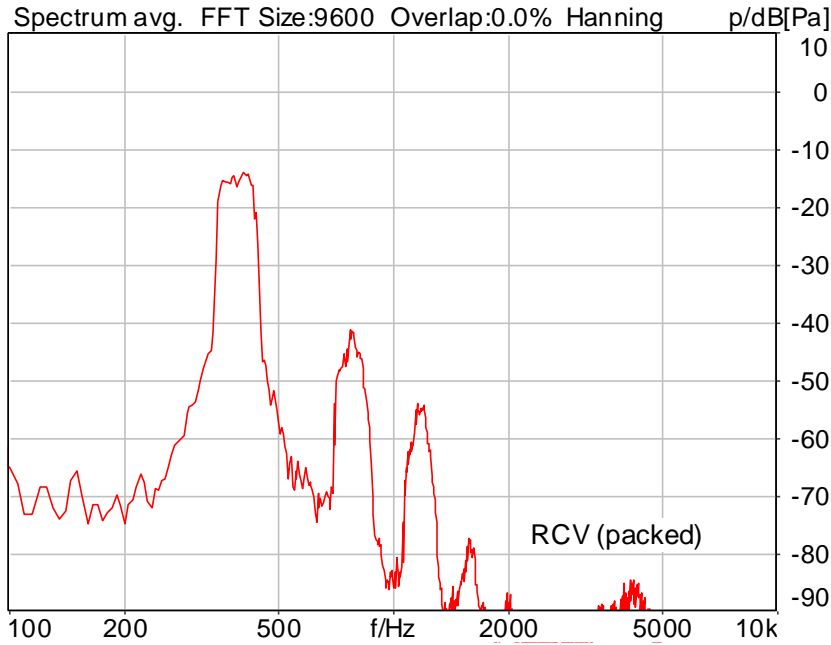
Limits

	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



Distortion (Noise) RCV (packed): 28.16 dB (3.91%) Ok

Ok

2023/10/22 下午 01:48 ACQUA 5.1.200

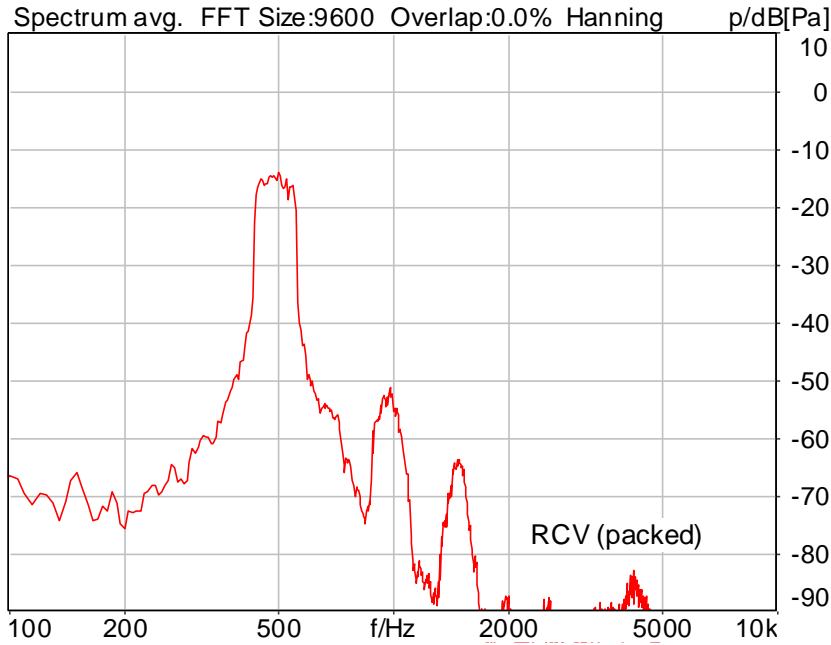
Limits

	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 2N change frequency range



Distortion (Noise) RCV (packed): 34.23 dB (1.94%) Ok

Ok

2023/10/22 下午 01:49 ACQUA 5.1.200

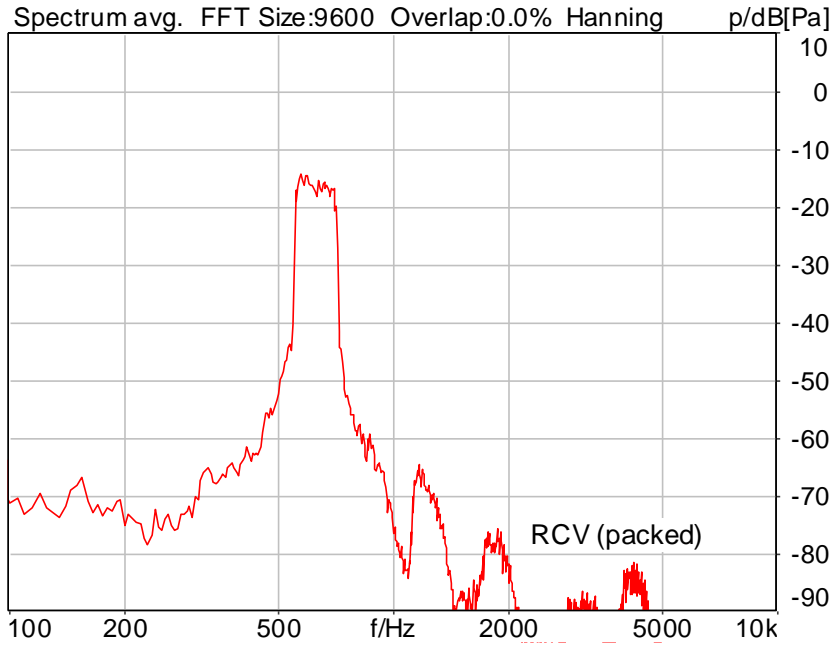
Limits

	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): 38.93 dB (1.13%) Ok

Ok

2023/10/22 下午 01:49 ACQUA 5.1.200

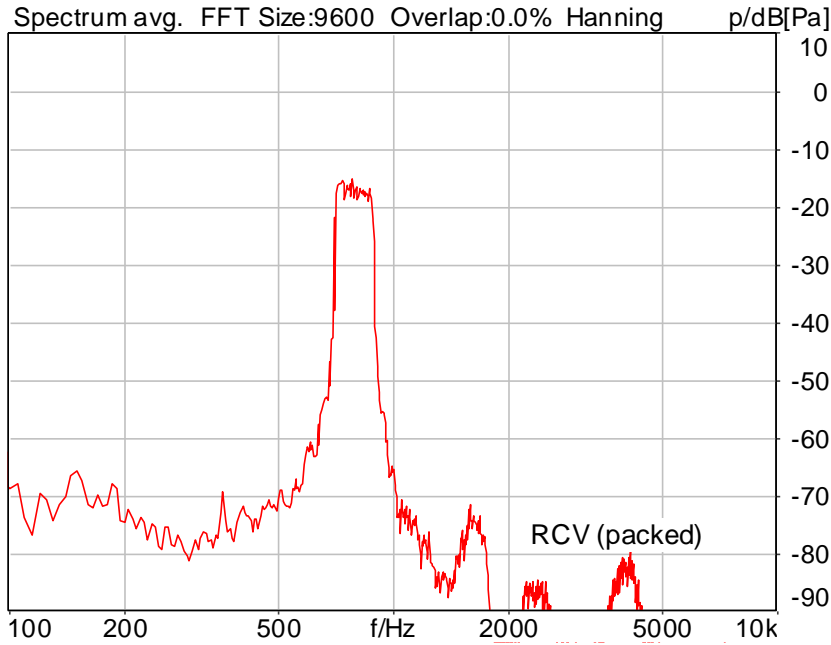
Limits

	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 2N change frequency range



Distortion (Noise) RCV (packed): 42.15 dB (0.78%) Ok

Ok

2023/10/22 下午 01:50 ACQUA 5.1.200

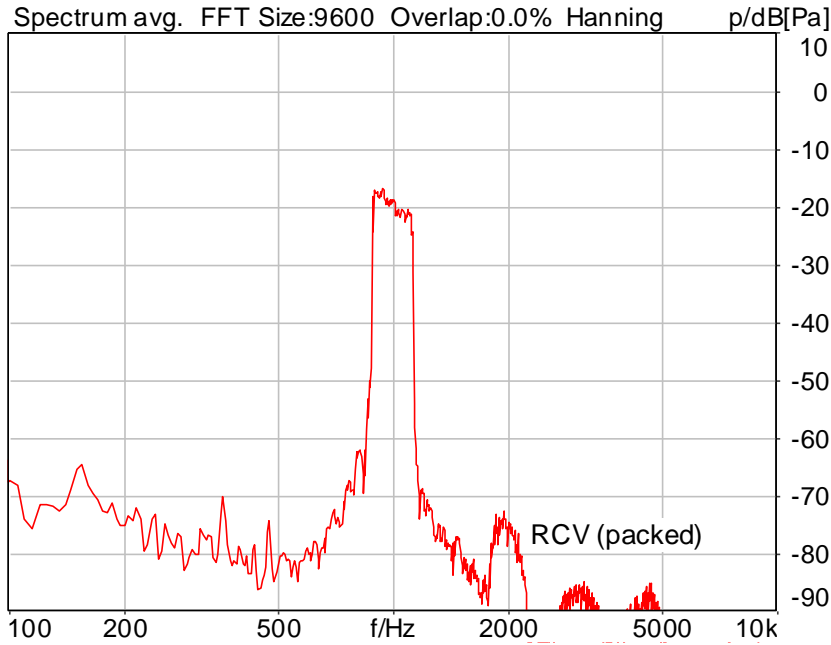
Limits

	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



Distortion (Noise) RCV (packed): 46.37 dB (0.48%) Ok

Ok

2023/10/22 下午 01:50 ACQUA 5.1.200

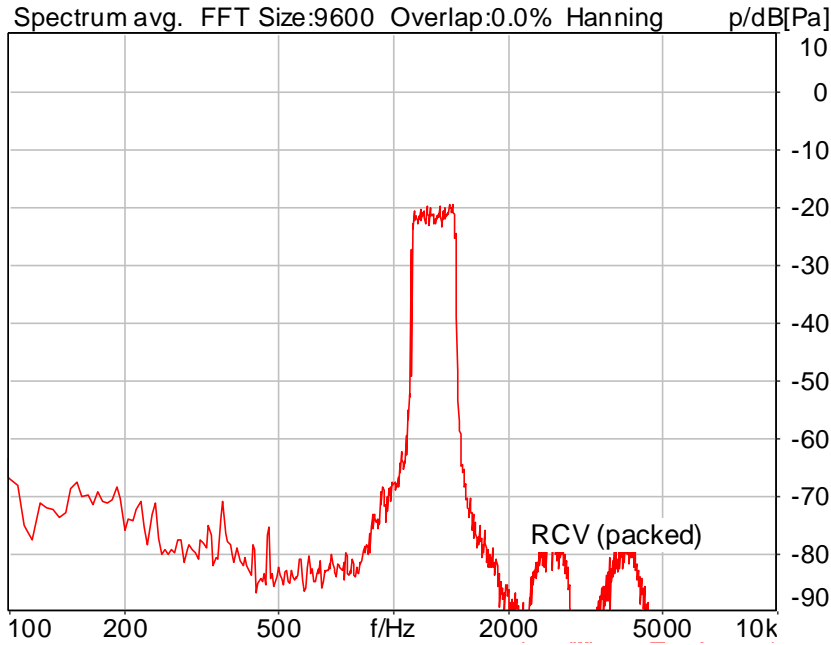
Limits

	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 2N change frequency range



Distortion (Noise) RCV (packed): 33.56 dB (2.10%) Ok

Ok

2023/10/22 下午 01:51 ACQUA 5.1.200

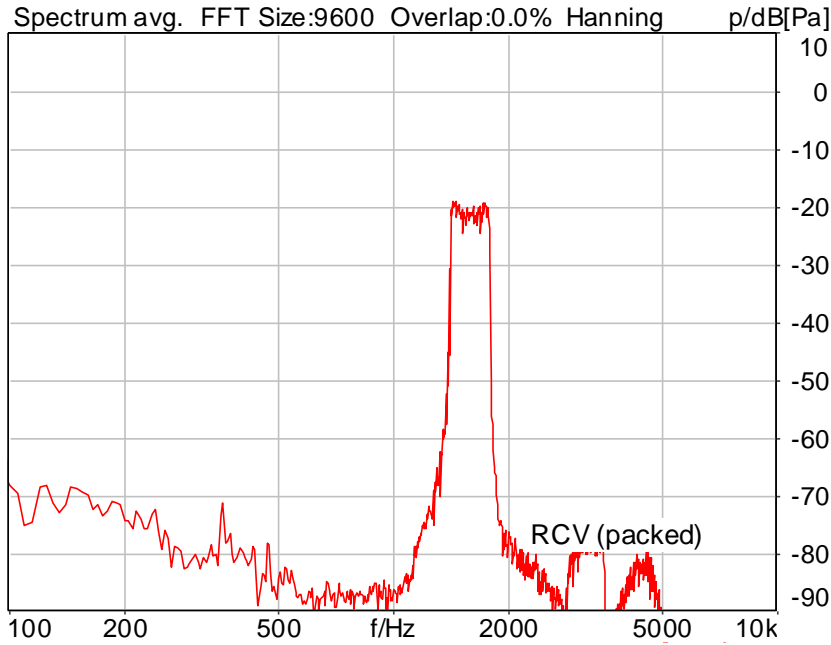
Limits

	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



Distortion (Noise) RCV (packed): 44.27 dB (0.61%) Ok

Ok

2023/10/22 下午 01:51 ACQUA 5.1.200

Limits

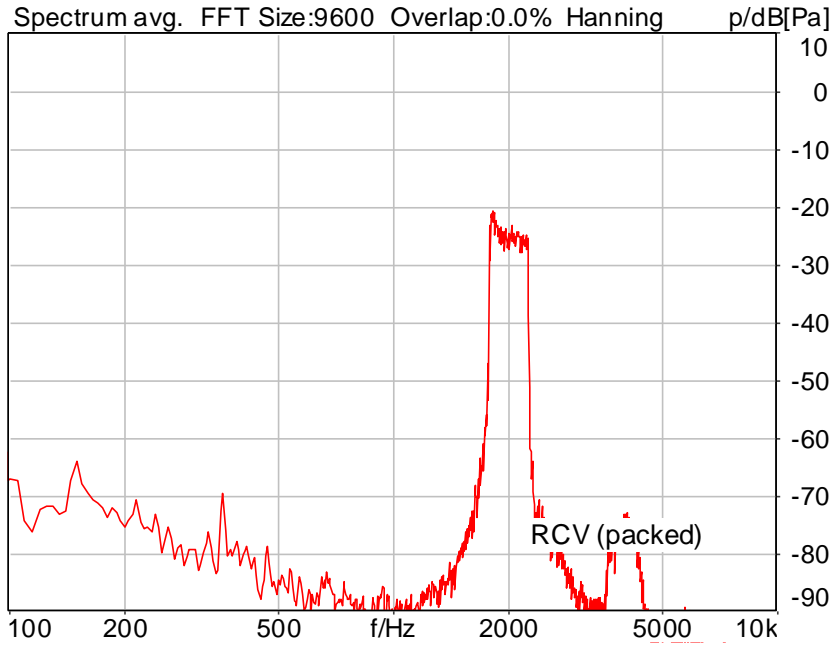
	lower
Run 1	20.00 dB





### 5.2 RCV Distortion and Noise - 2000 Hz WB

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



Distortion (Noise) RCV (packed): 41.09 dB (0.88%) Ok

Ok

2023/10/22 下午 01:52 ACQUA 5.1.200

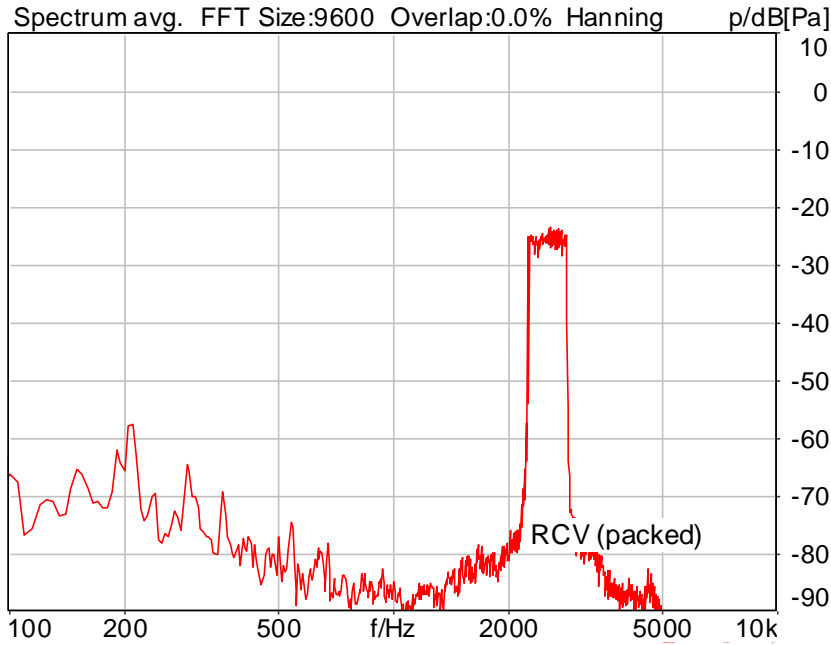
Limits

	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



Distortion (Noise) RCV (packed): 45.49 dB (0.53%) Ok

Ok

2023/10/22 下午 01:52 ACQUA 5.1.200

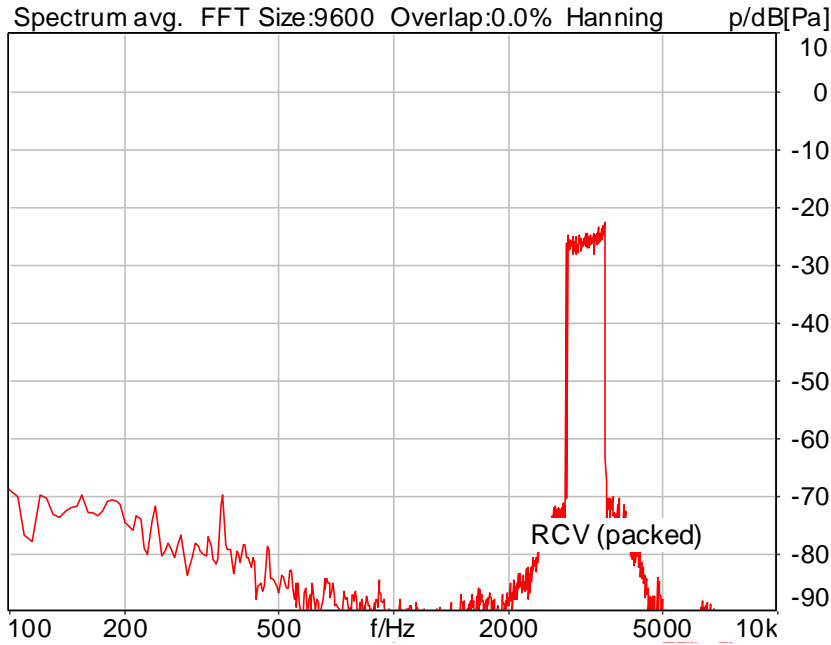
Limits

	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 2N change frequency range



Distortion (Noise) RCV (packed): 45.10 dB (0.56%) Ok

Ok

2023/10/22 下午 01:53 ACQUA 5.1.200

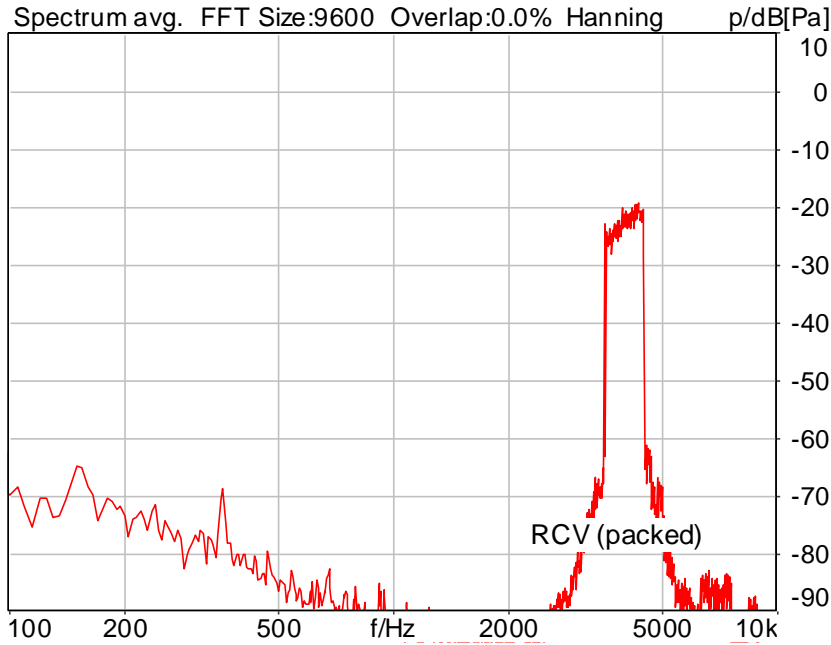
Limits

	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



Distortion (Noise) RCV (packed): 44.65 dB (0.59%) Ok

Ok

2023/10/22 下午 01:53 ACQUA 5.1.200

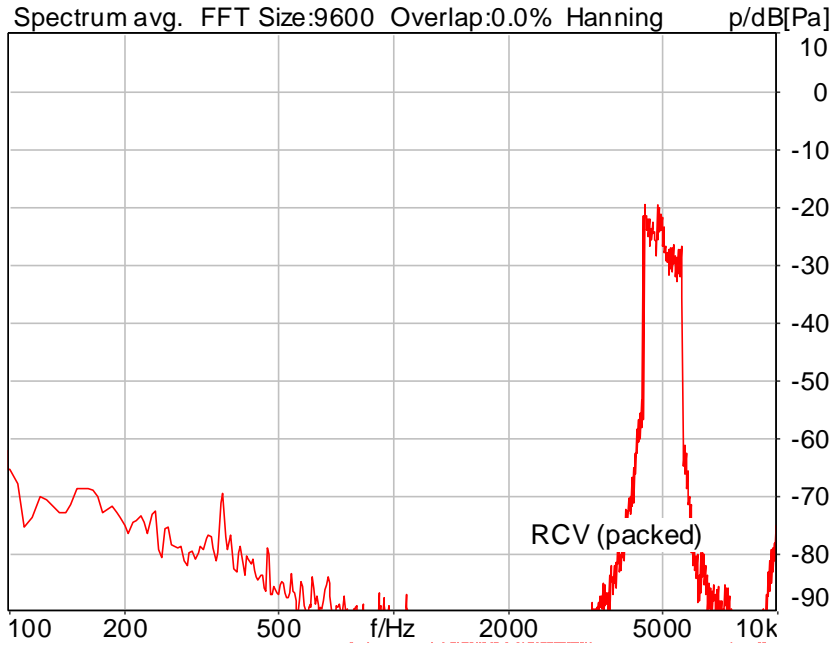
Limits

	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 2N change frequency range



Distortion (Noise) RCV (packed): 38.89 dB (1.14%) Ok

Ok

2023/10/22 下午 01:54 ACQUA 5.1.200

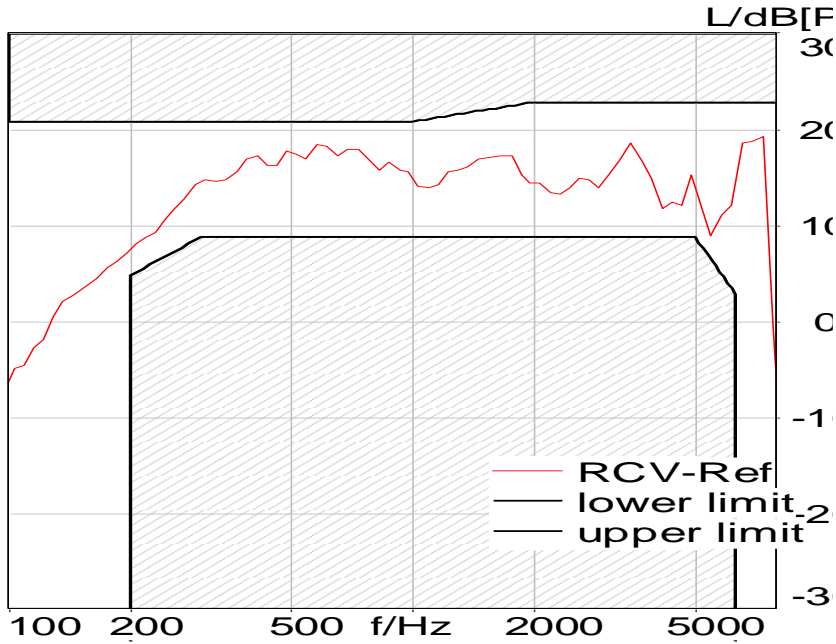
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.35 dB at 576.7 Hz Ok

Ok

2023/10/22 下午 01:54 ACQUA 5.1.200

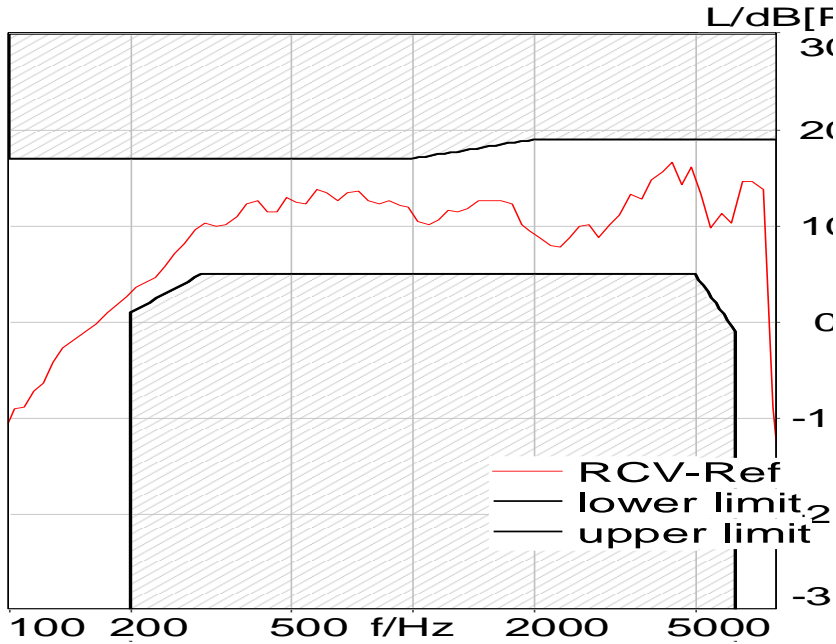
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.34 dB at 4369.4 Hz Ok

Ok

2023/10/22 下午 01:55 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#8 LTE Band 41 EVS WB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	168.2
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.08
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.53
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.24
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.15
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.86
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.02
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.98
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.08
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.25
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.89
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.86
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.14
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.84
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.15
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.64
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.55
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.27
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.37
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.26
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.29
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.89
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.90
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.32
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.02
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.24
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.19
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.95
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.02
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.48
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.09
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	2.85
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.36

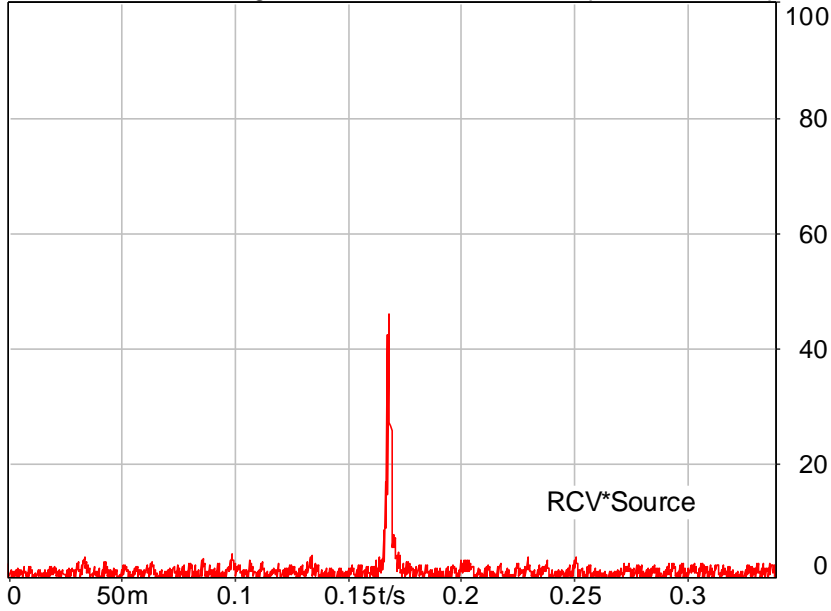




### Overall Receive Delay WB

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

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



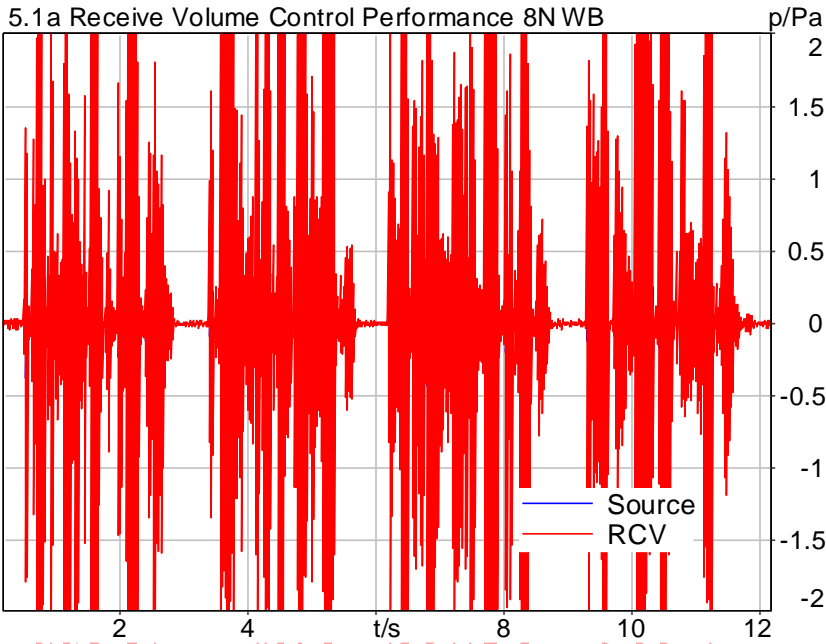
Delay (Cross): 168.2 ms

2023/10/22 下午 02:03 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.08 dB[SPL], Act.: 61.38% Ok

Ok

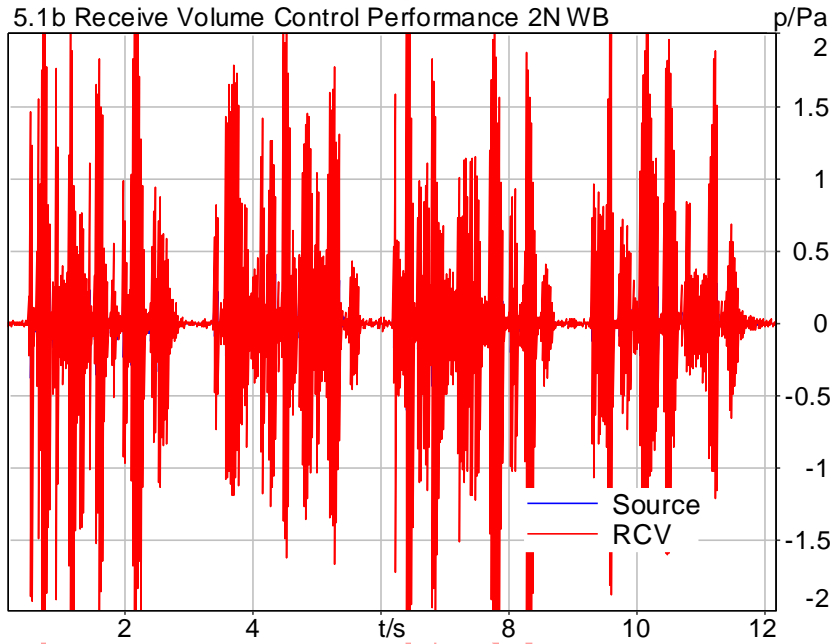
2023/10/22 下午 02:03 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	88.00 dB20uPa

### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.53 dB[SPL], Act.: 28.34% Ok

Ok

2023/10/22 下午 02:04 ACQUA 5.1.200

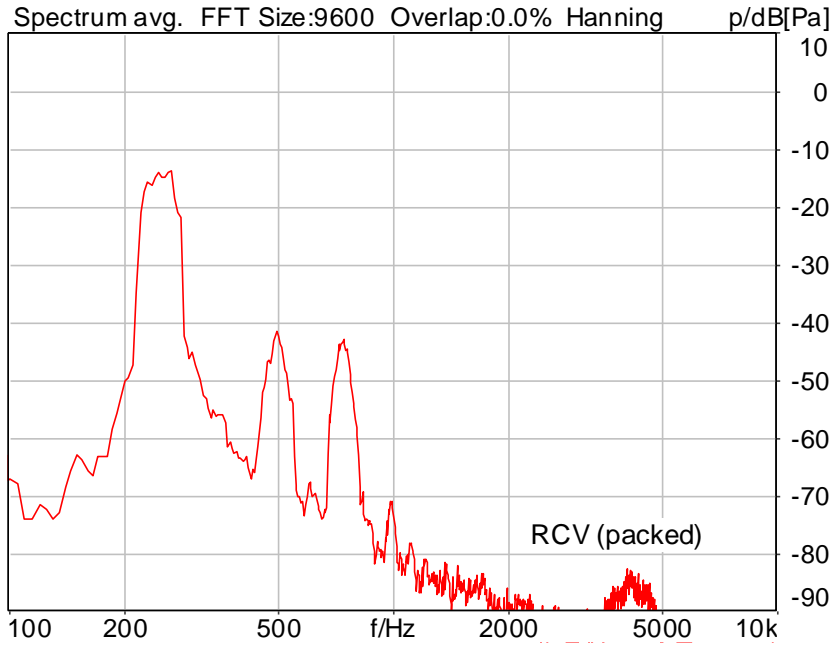
**Limits**

	<b>lower</b>
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): 27.24 dB (4.35%) Ok

Ok

2023/10/22 下午 02:05 ACQUA 5.1.200

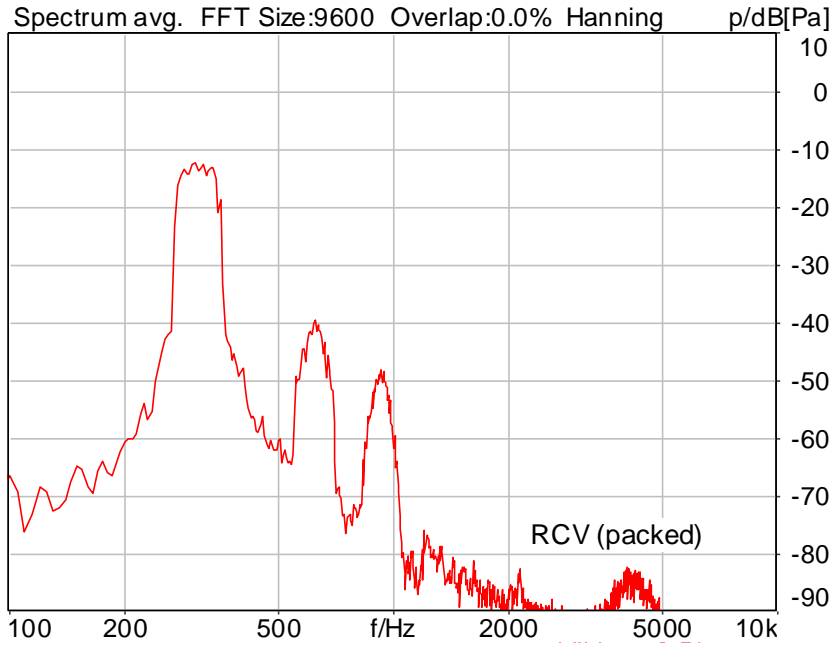
Limits

	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



Distortion (Noise) RCV (packed): 28.15 dB (3.91%) Ok

Ok

2023/10/22 下午 02:05 ACQUA 5.1.200

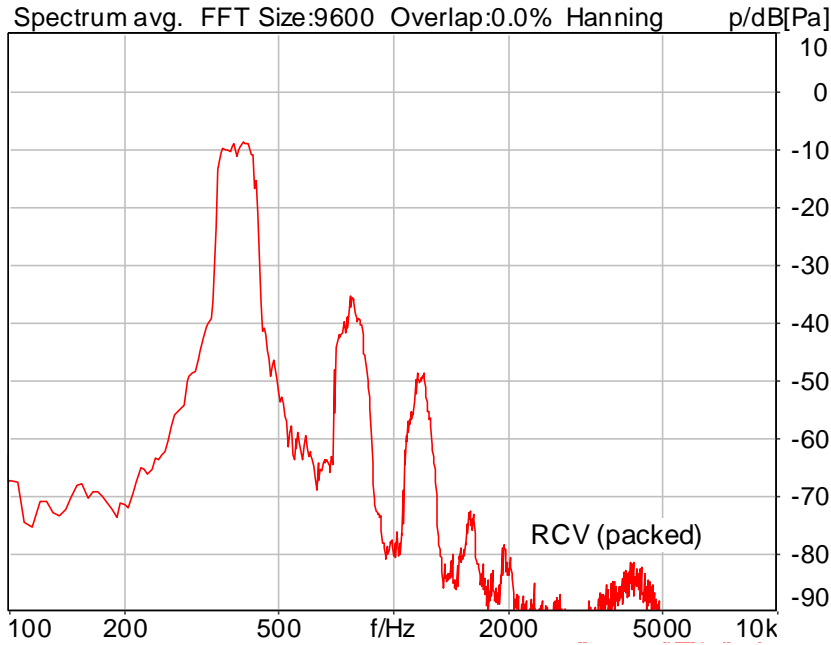
Limits

	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): 27.86 dB (4.04%) Ok

Ok

2023/10/22 下午 02:06 ACQUA 5.1.200

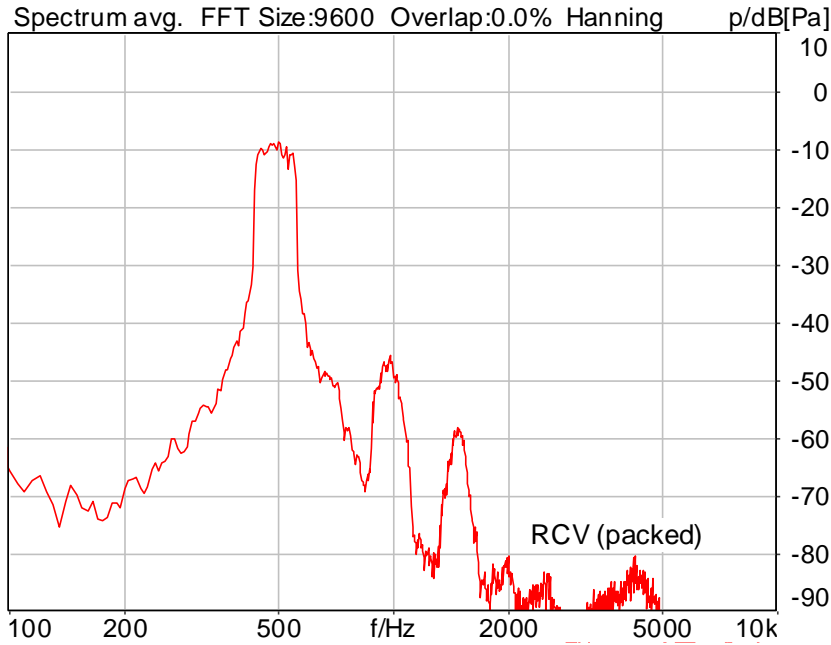
Limits

	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): 34.02 dB (1.99%) Ok

Ok

2023/10/22 下午 02:06 ACQUA 5.1.200

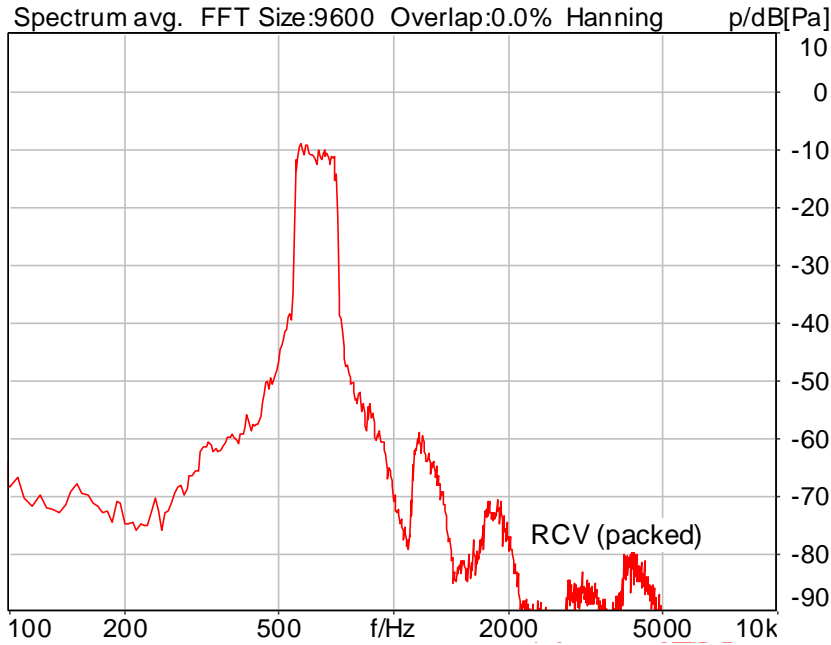
Limits

	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



Distortion (Noise) RCV (packed): 38.98 dB (1.12%) Ok

Ok

2023/10/22 下午 02:07 ACQUA 5.1.200

Limits

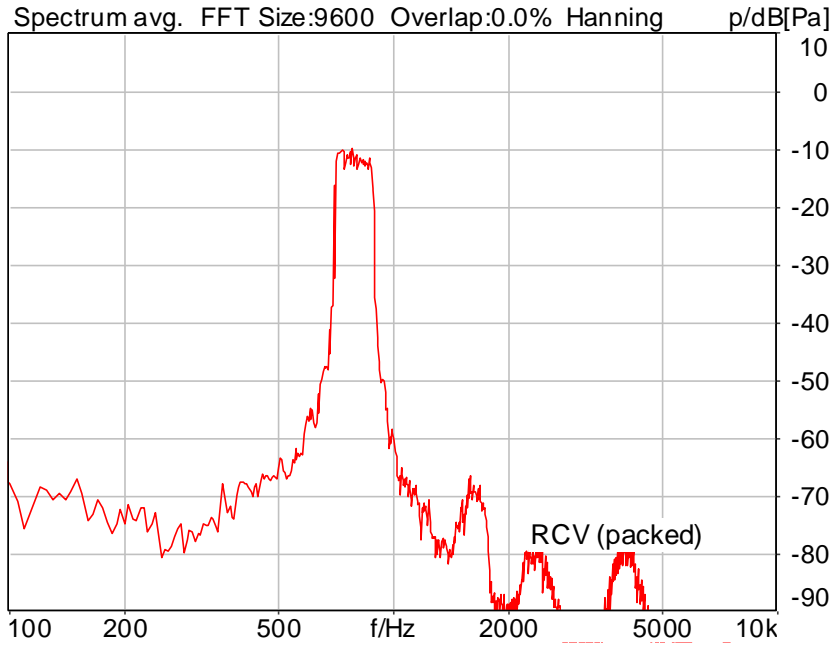
	lower
Run 1	20.00 dB





### 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): 42.08 dB (0.79%) Ok

Ok

2023/10/22 下午 02:07 ACQUA 5.1.200

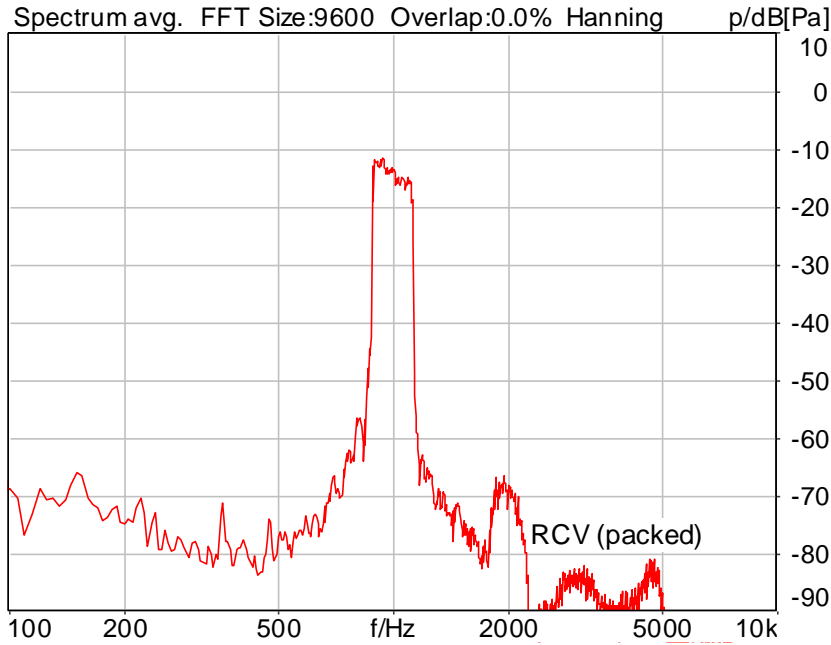
Limits

	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



Distortion (Noise) RCV (packed): 46.25 dB (0.49%) Ok

Ok

2023/10/22 下午 02:08 ACQUA 5.1.200

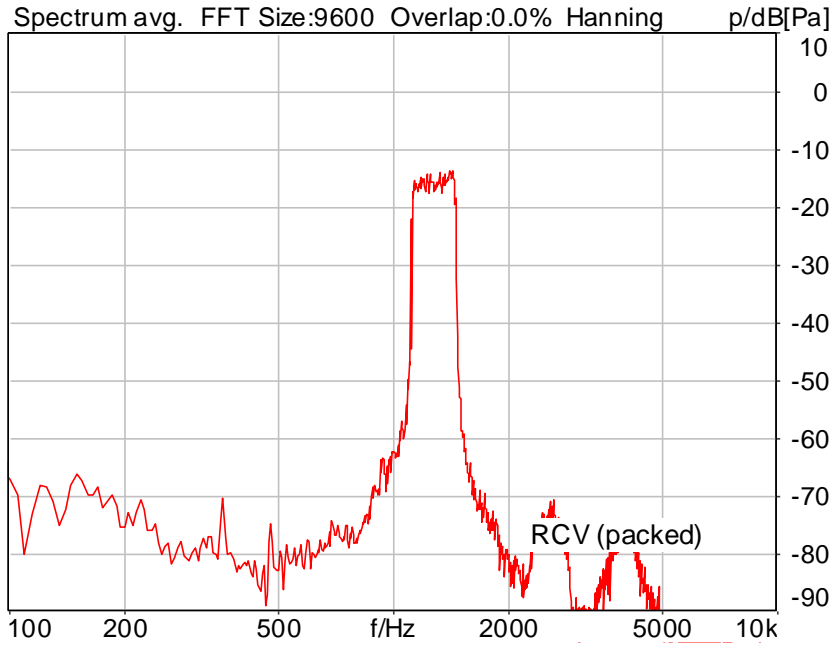
Limits

	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



Distortion (Noise) RCV (packed): 32.89 dB (2.27%) Ok

Ok

2023/10/22 下午 02:08 ACQUA 5.1.200

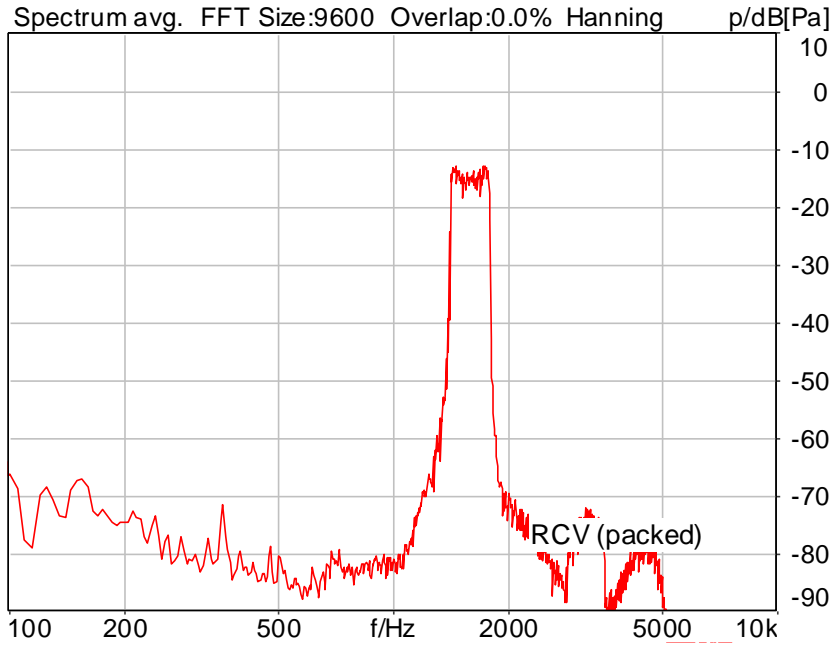
Limits

	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



Distortion (Noise) RCV (packed): 44.86 dB (0.57%) Ok

Ok

2023/10/22 下午 02:08 ACQUA 5.1.200

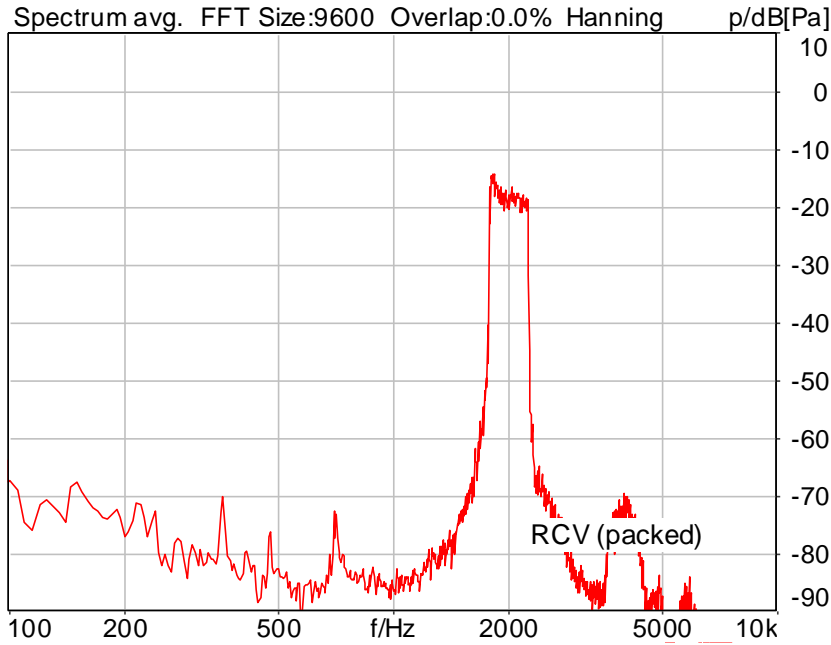
Limits

	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): 42.14 dB (0.78%) Ok

Ok

2023/10/22 下午 02:09 ACQUA 5.1.200

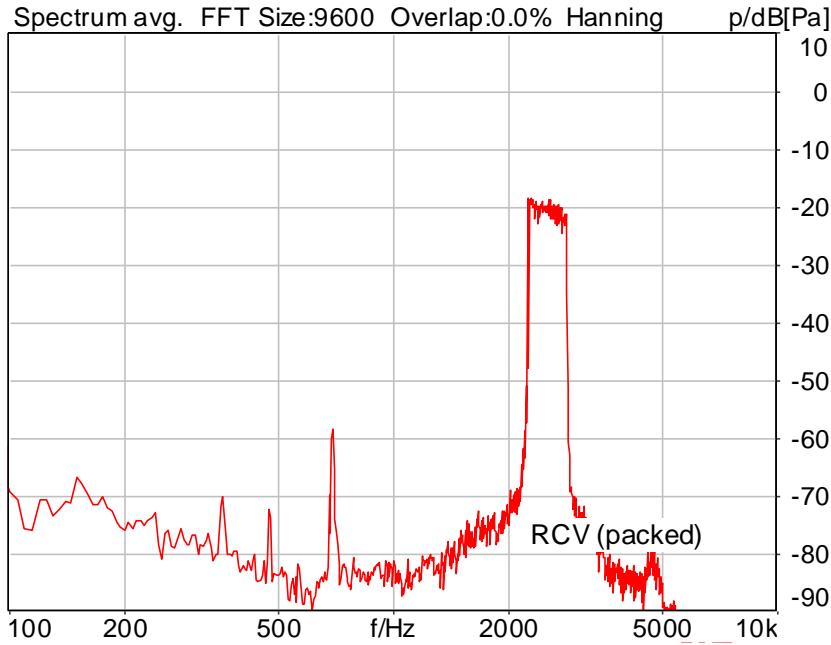
Limits

	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



Distortion (Noise) RCV (packed): 45.84 dB (0.51%) Ok

Ok

2023/10/22 下午 02:09 ACQUA 5.1.200

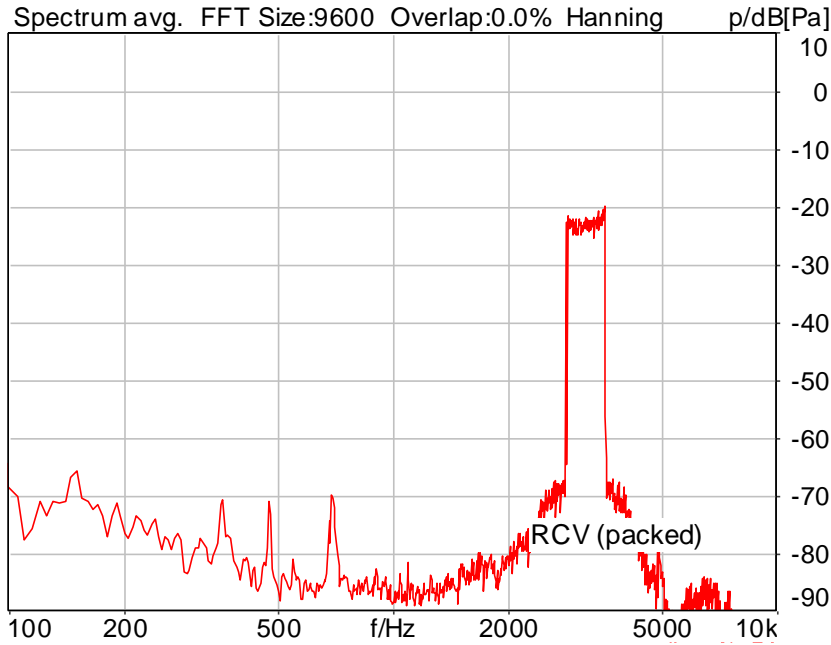
Limits

	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



Distortion (Noise) RCV (packed): 44.15 dB (0.62%) Ok

Ok

2023/10/22 下午 02:10 ACQUA 5.1.200

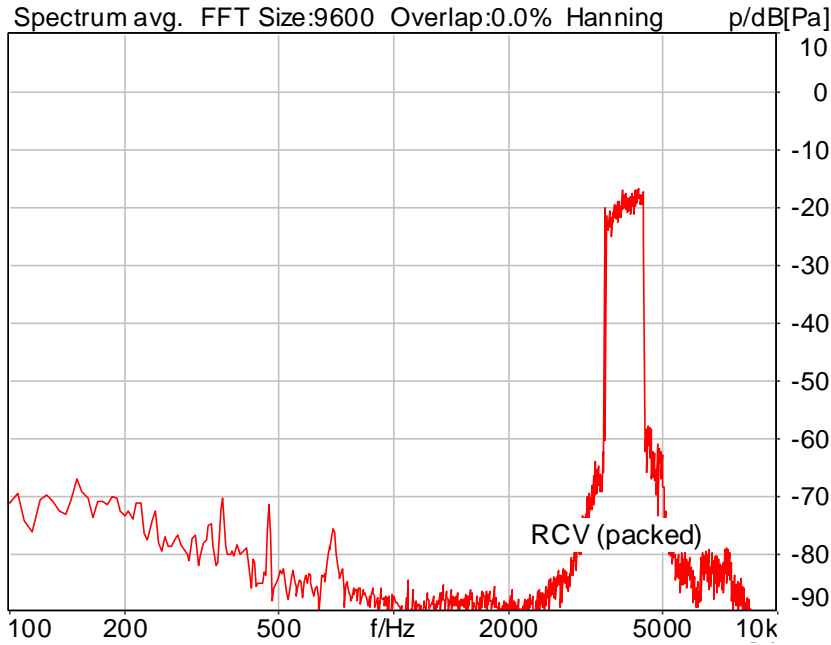
Limits

	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): 43.64 dB (0.66%) Ok

Ok

2023/10/22 下午 02:10 ACQUA 5.1.200

Limits

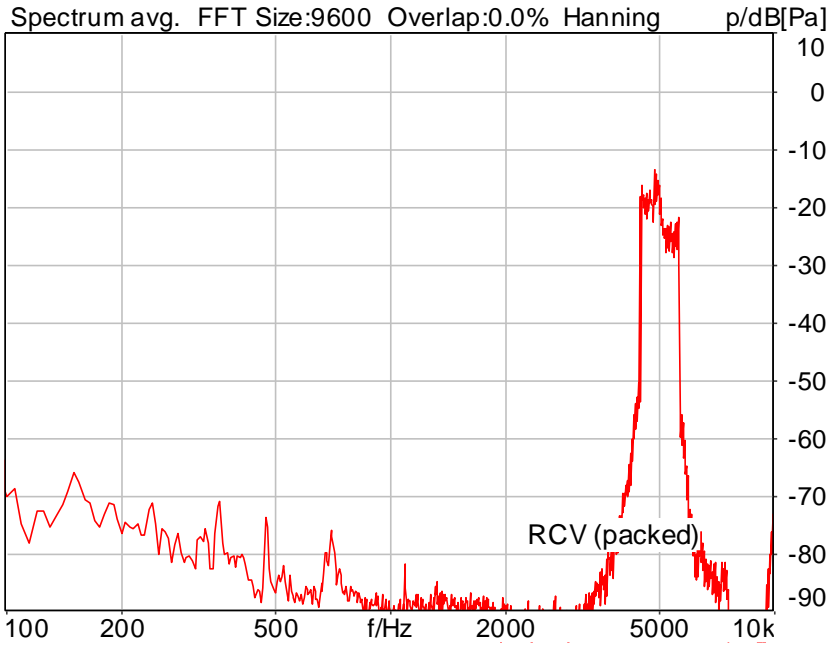
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 40.55 dB (0.94%) Ok

Ok

2023/10/22 下午 02:11 ACQUA 5.1.200

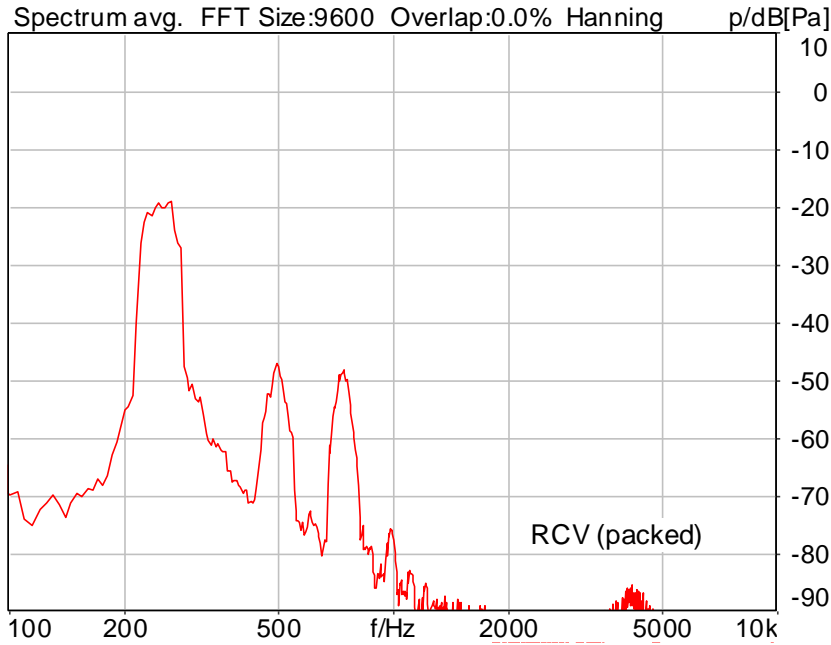
Limits

	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



Distortion (Noise) RCV (packed): 27.27 dB (4.33%) Ok

Ok

2023/10/22 下午 02:12 ACQUA 5.1.200

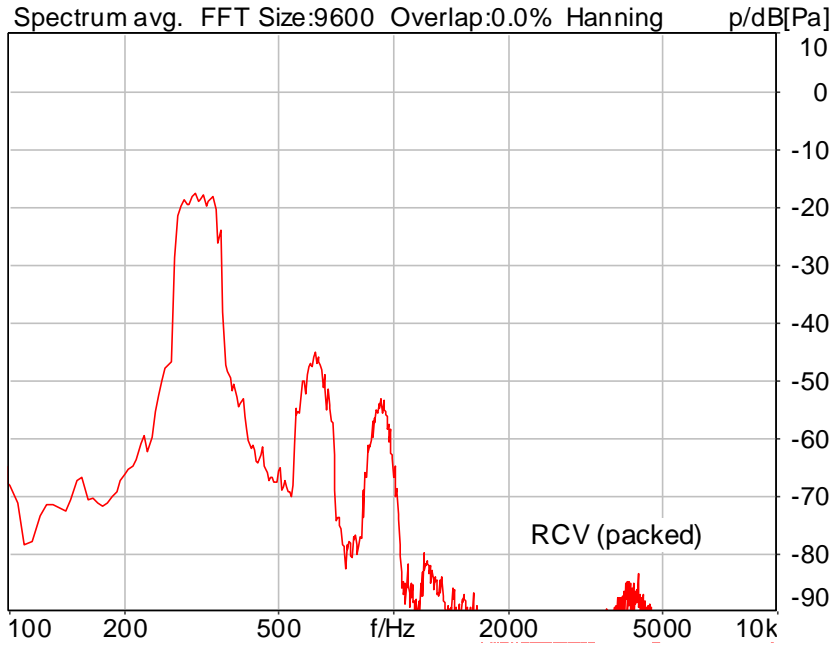
Limits

	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



Distortion (Noise) RCV (packed): 28.37 dB (3.82%) Ok

Ok

2023/10/22 下午 02:12 ACQUA 5.1.200

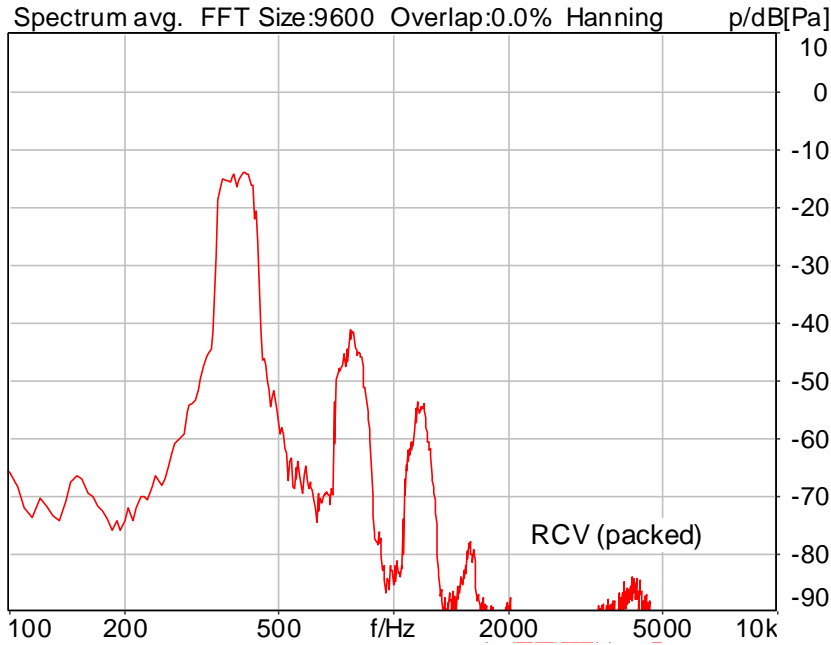
Limits

	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



Distortion (Noise) RCV (packed): 28.26 dB (3.86%) Ok

Ok

2023/10/22 下午 02:13 ACQUA 5.1.200

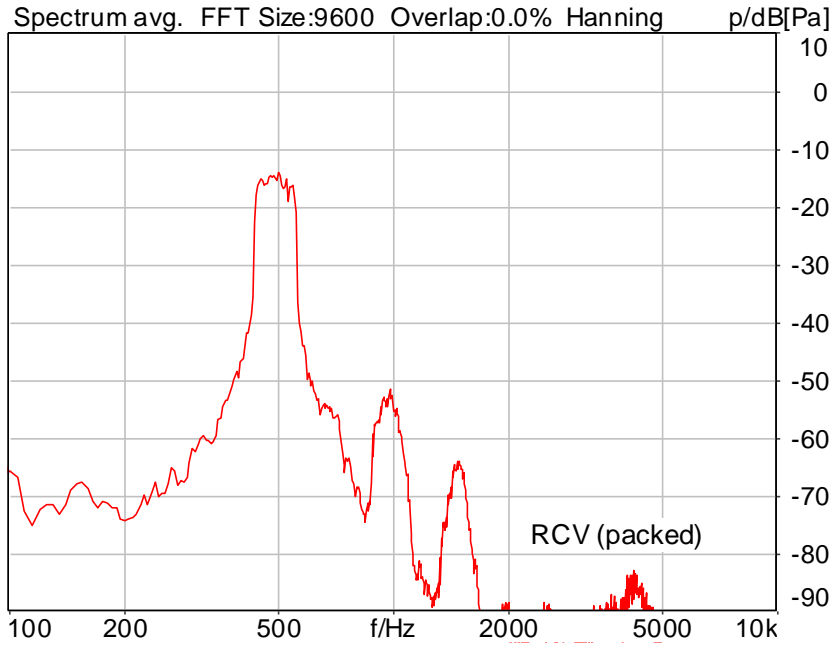
Limits

	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



Distortion (Noise) RCV (packed): 34.29 dB (1.93%) Ok

Ok

2023/10/22 下午 02:13 ACQUA 5.1.200

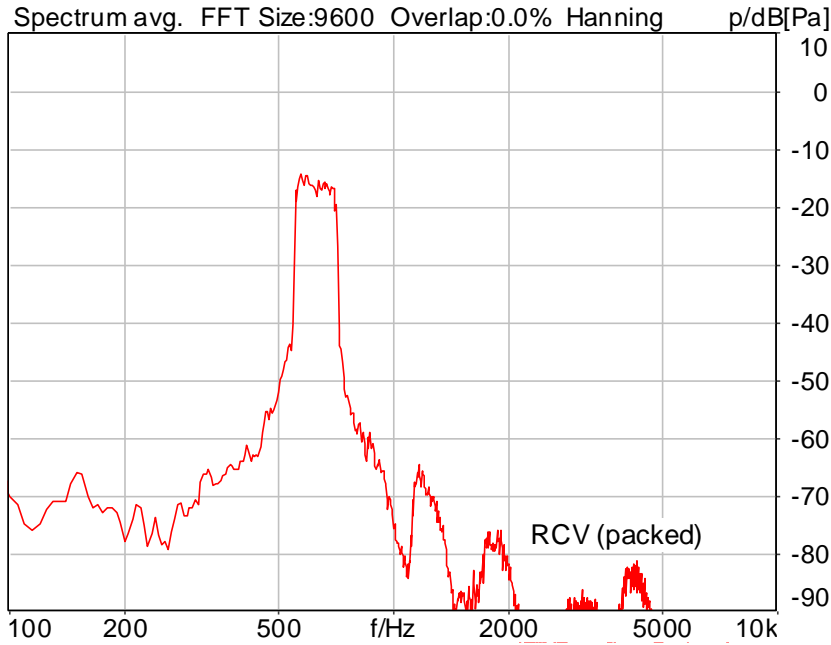
Limits

	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): 38.89 dB (1.14%) Ok

Ok

2023/10/22 下午 02:14 ACQUA 5.1.200

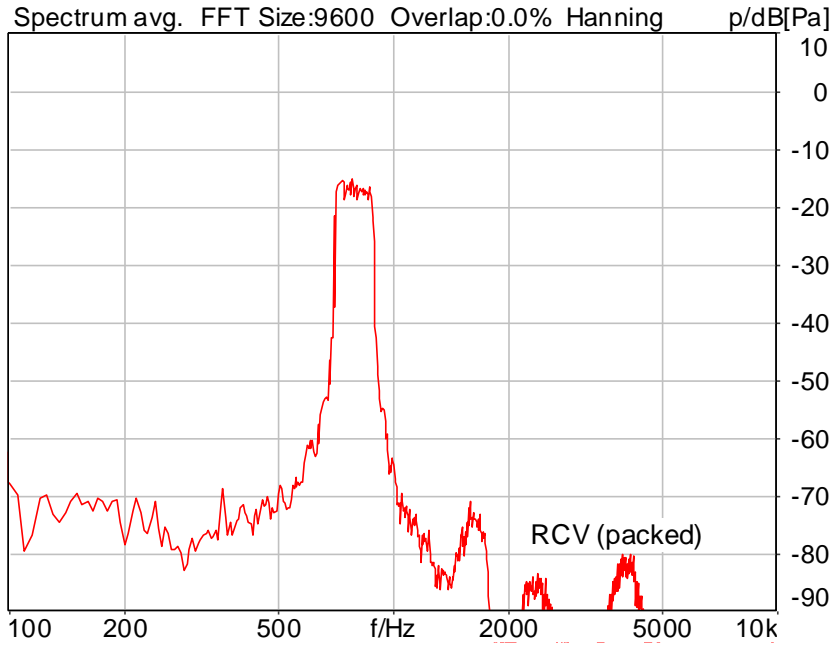
Limits

	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): 41.90 dB (0.80%) Ok

Ok

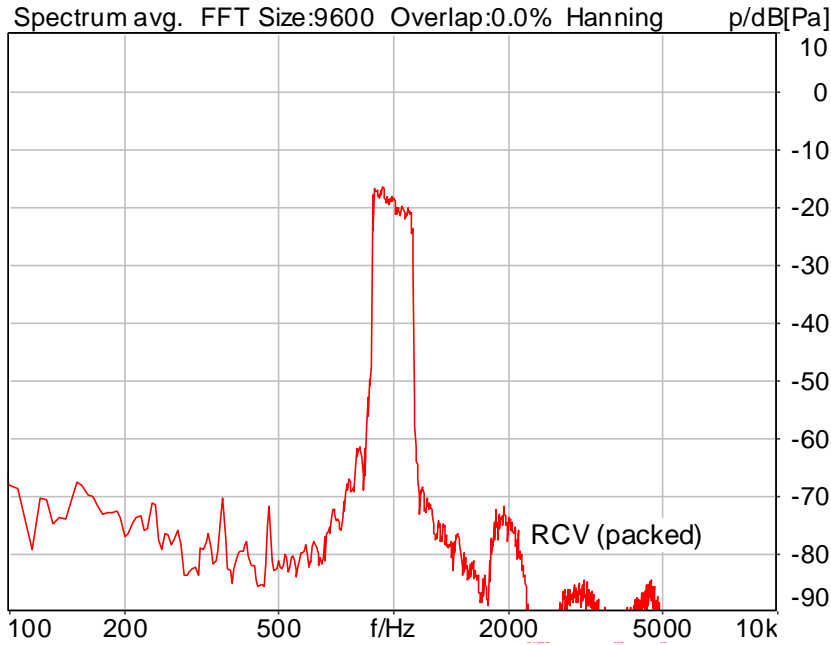
2023/10/22 下午 02:14 ACQUA 5.1.200

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



Distortion (Noise) RCV (packed): 46.32 dB (0.48%) Ok

Ok

2023/10/22 下午 02:15 ACQUA 5.1.200

Limits

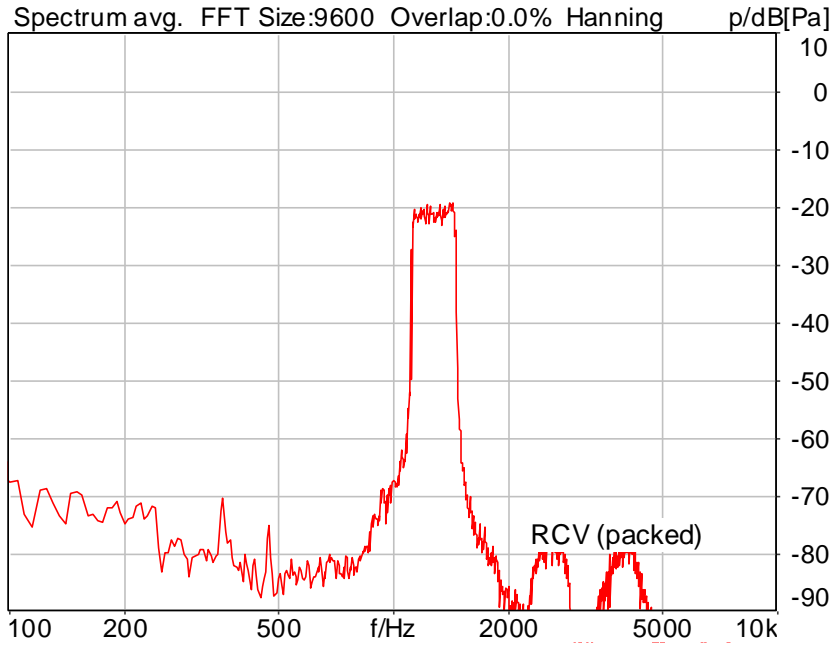
	lower
Run 1	20.00 dB





### 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): 33.02 dB (2.23%) Ok

Ok

2023/10/22 下午 02:15 ACQUA 5.1.200

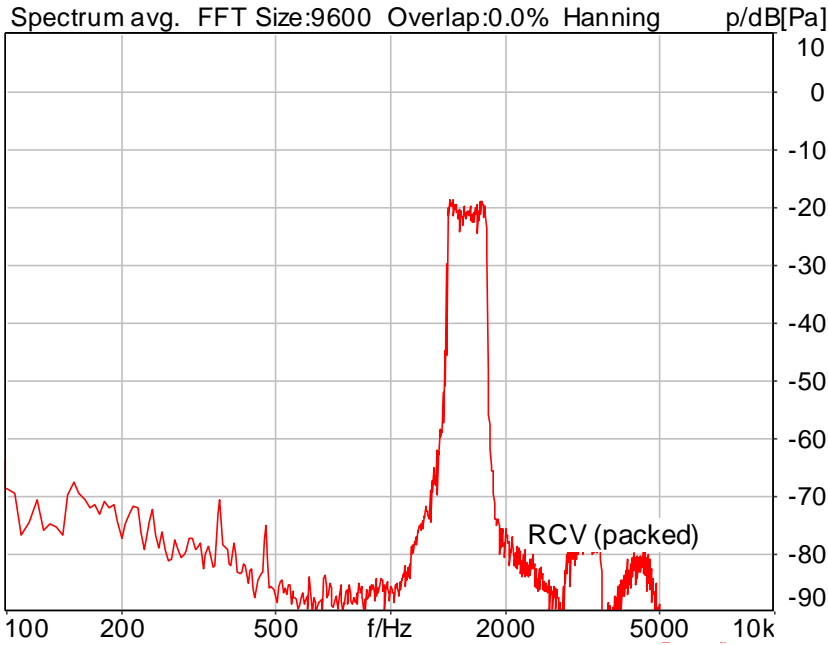
Limits

	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



Distortion (Noise) RCV (packed): 44.24 dB (0.61%) Ok

Ok

2023/10/22 下午 02:16 ACQUA 5.1.200

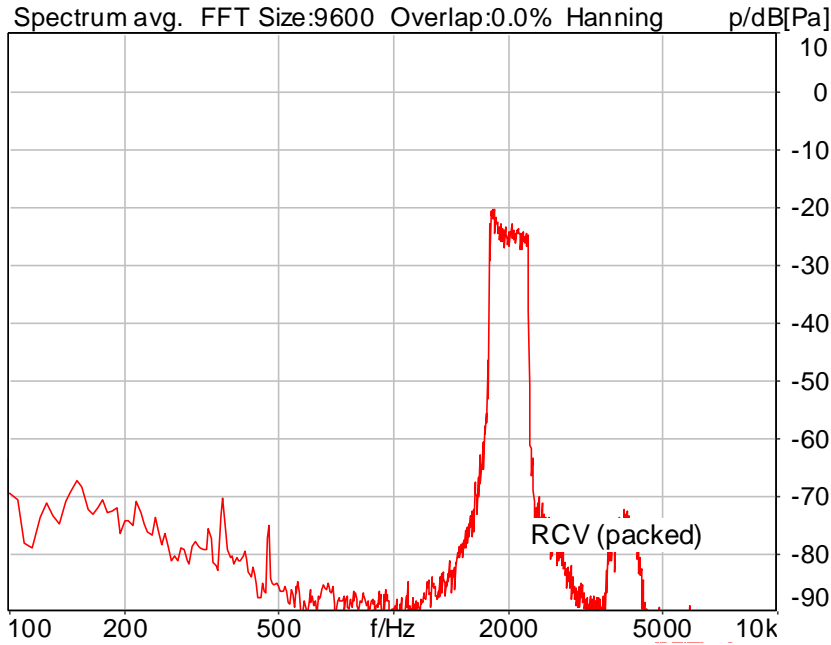
Limits

	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



Distortion (Noise) RCV (packed): 41.19 dB (0.87%) Ok

Ok

2023/10/22 下午 02:16 ACQUA 5.1.200

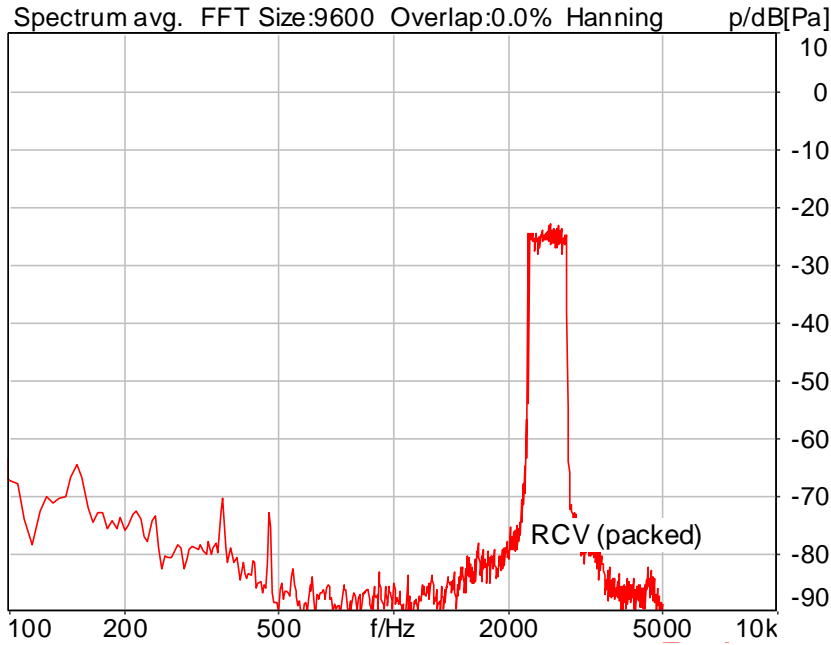
Limits

	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



Distortion (Noise) RCV (packed): 45.95 dB (0.50%) Ok

Ok

2023/10/22 下午 02:17 ACQUA 5.1.200

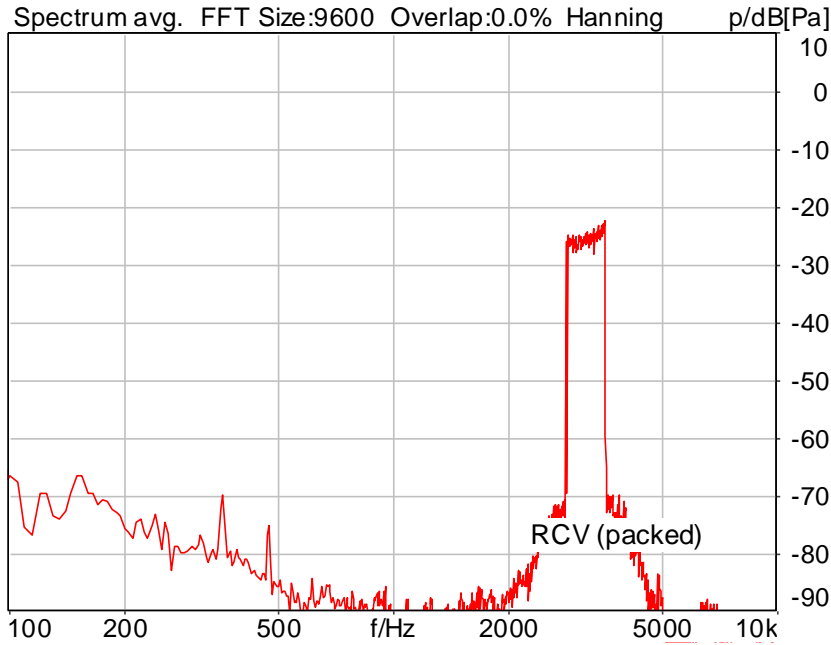
Limits

	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



Distortion (Noise) RCV (packed): 45.02 dB (0.56%) Ok

Ok

2023/10/22 下午 02:17 ACQUA 5.1.200

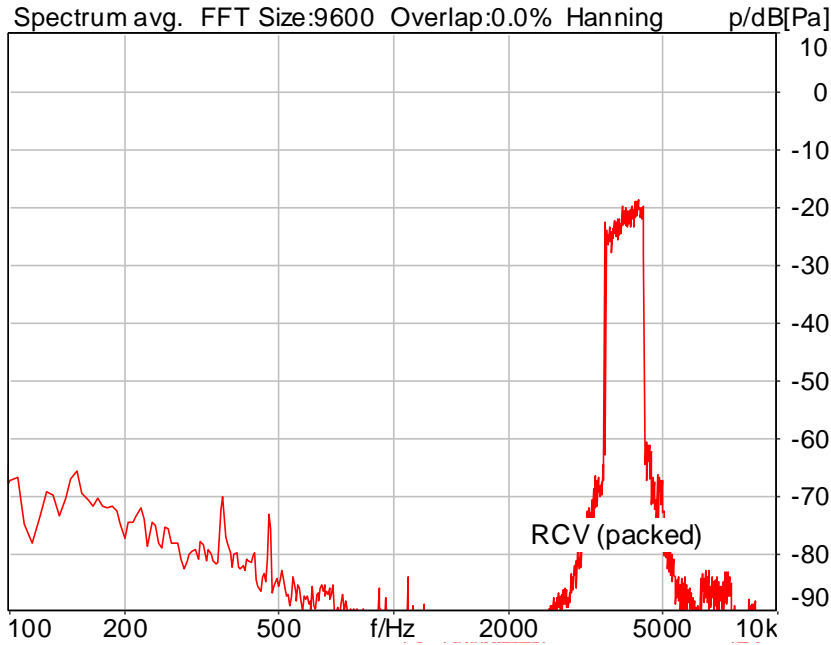
Limits

	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



Distortion (Noise) RCV (packed): 44.48 dB (0.60%) Ok

Ok

2023/10/22 下午 02:18 ACQUA 5.1.200

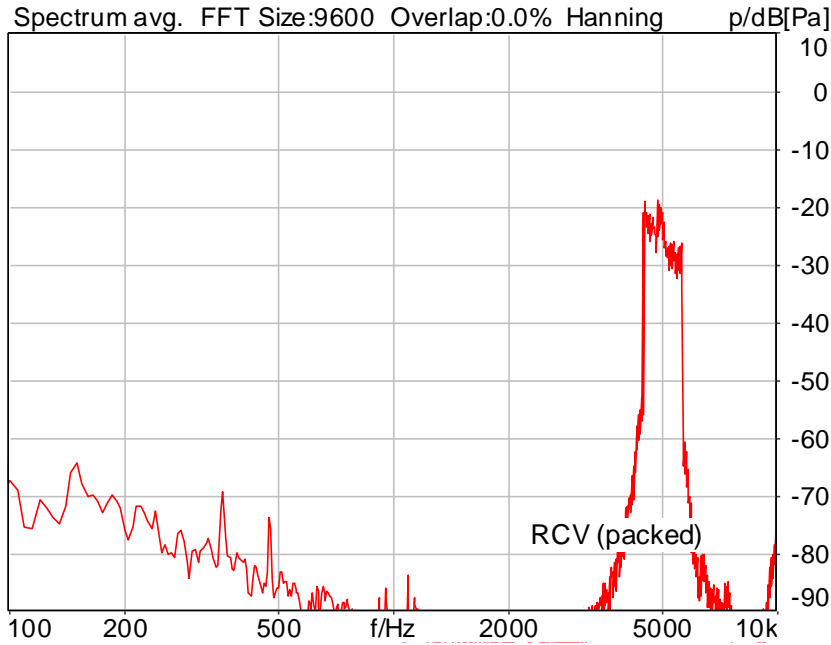
Limits

	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): 39.09 dB (1.11%) Ok

Ok

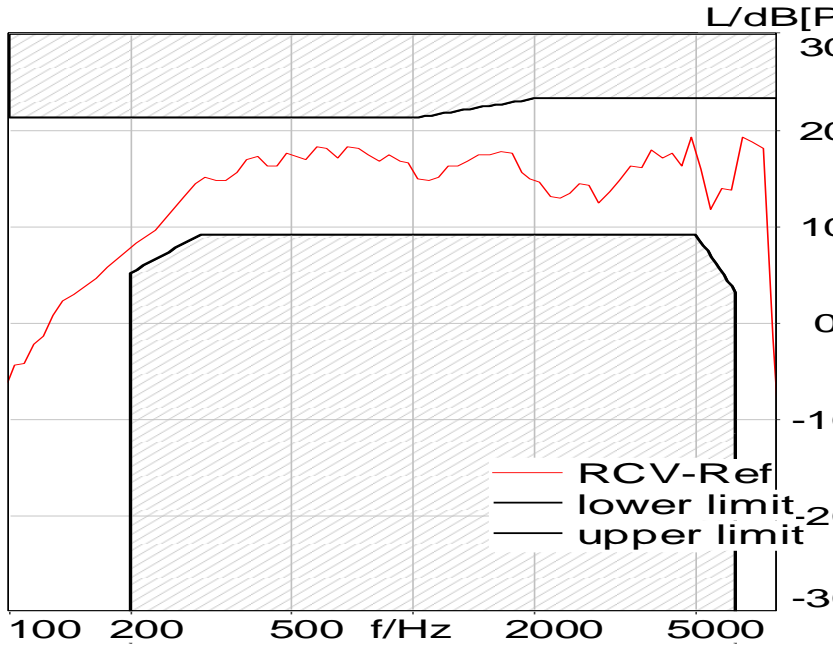
2023/10/22 下午 02:18 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.85 dB at 576.7 Hz Ok

Ok

2023/10/22 下午 02:19 ACQUA 5.1.200

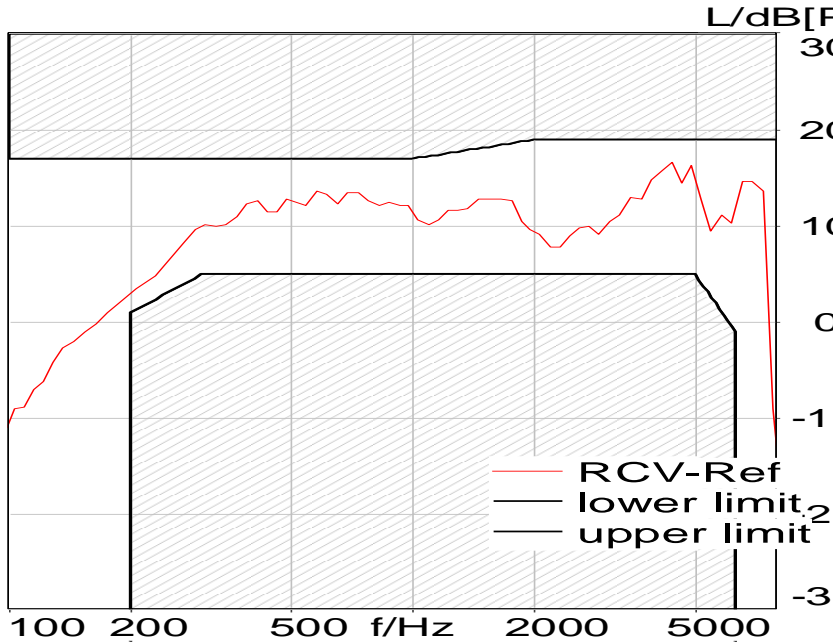
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.36 dB at 4369.4 Hz Ok

Ok

2023/10/22 下午 02:19 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#9 LTE Band 48 EVS WB 24.4kbps

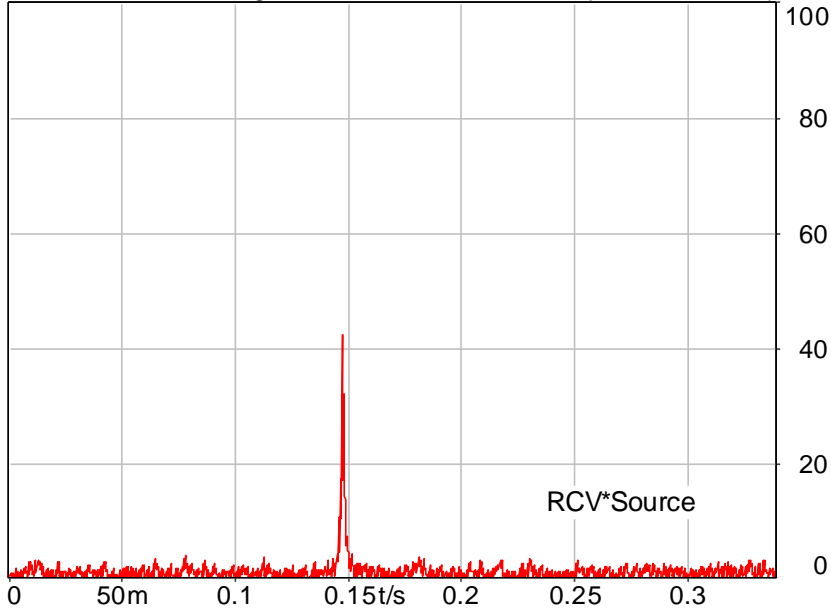
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	147.7
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.22
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.67
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.07
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.85
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.76
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.46
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.25
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.32
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.39
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.76
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.98
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.23
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.04
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.10
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.55
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.14
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.10
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.84
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.96
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.61
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.20
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.07
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.47
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.40
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.26
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.71
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.96
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.93
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.42
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.73
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 731.5 Hz	2.71
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	1.79



### Overall Receive Delay WB

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

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



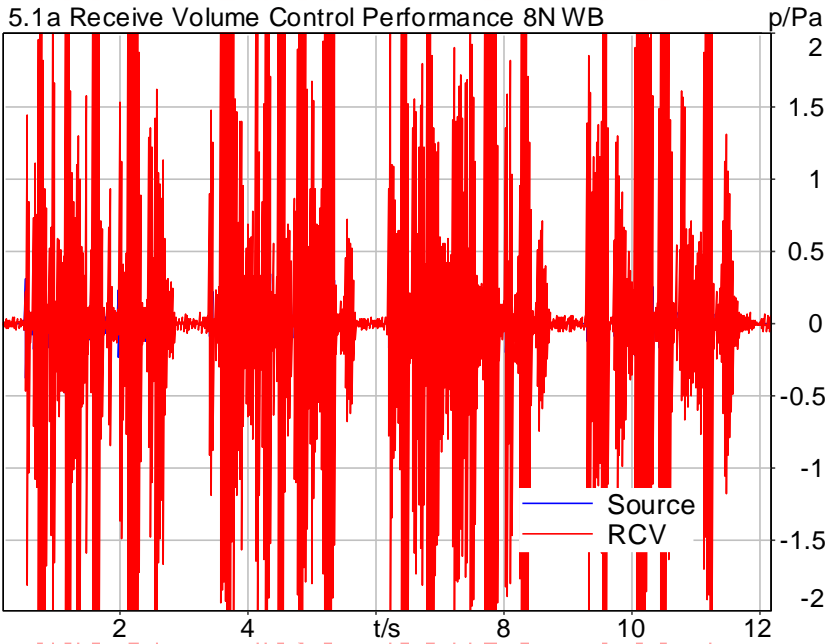
Delay (Cross): 147.7 ms

2023/10/27 下午 02:05 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.22 dB[SPL], Act.: 58.44% Ok

Ok

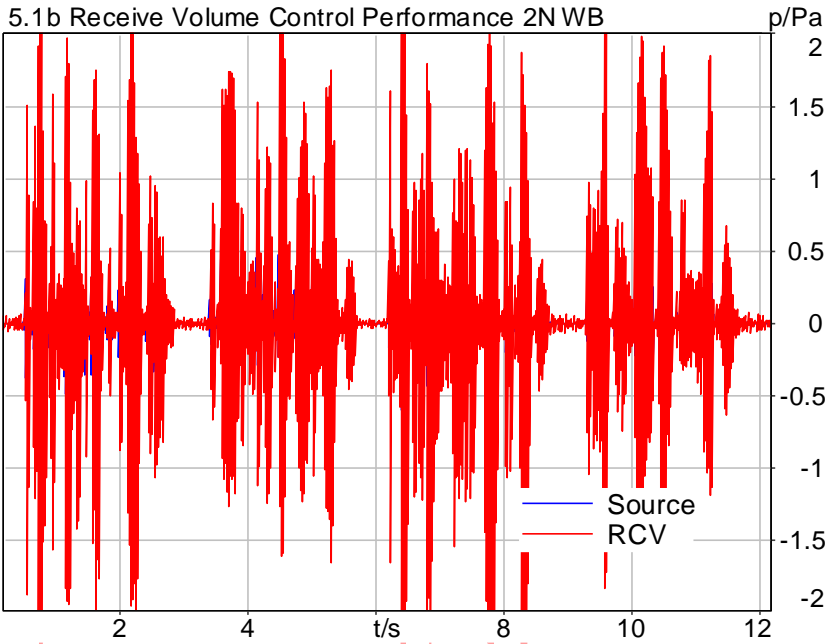
2023/10/27 下午 02:05 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	88.00 dB20uPa

### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.67 dB[SPL], Act.: 25.83% Ok

Ok

2023/10/27 下午 02:06 ACQUA 5.1.200

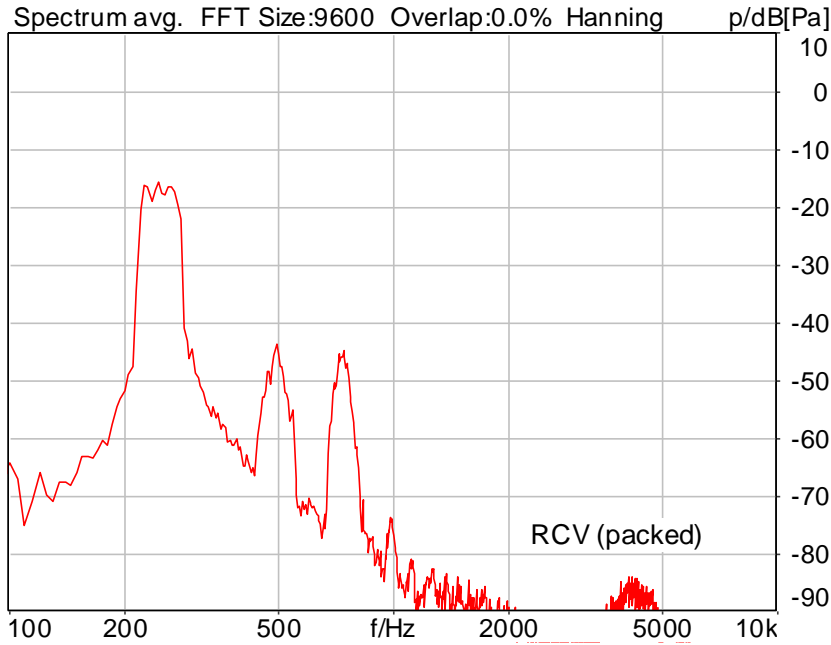
**Limits**

	<b>lower</b>
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): 28.07 dB (3.95%) Ok

Ok

2023/10/27 下午 02:07 ACQUA 5.1.200

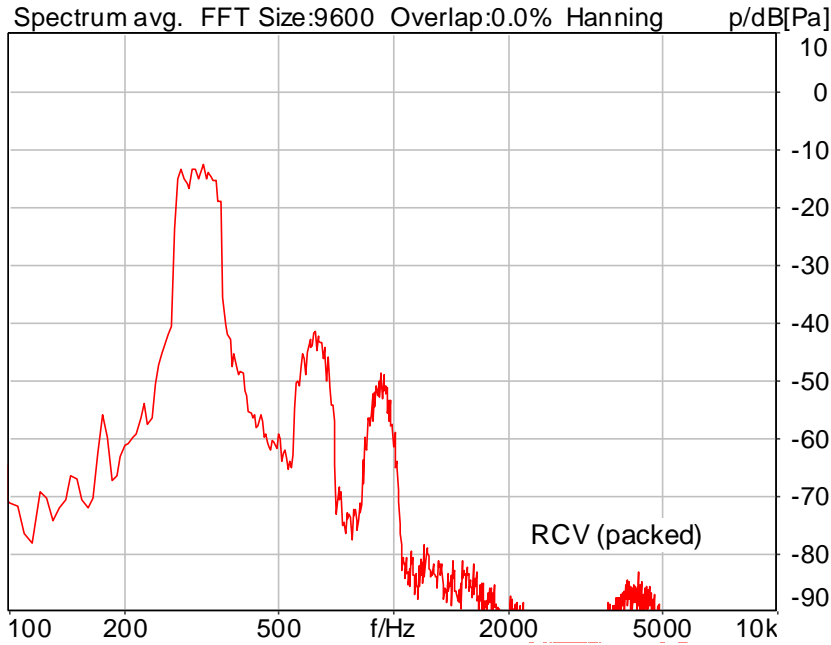
Limits

	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): 28.85 dB (3.61%) Ok

Ok

2023/10/27 下午 02:07 ACQUA 5.1.200

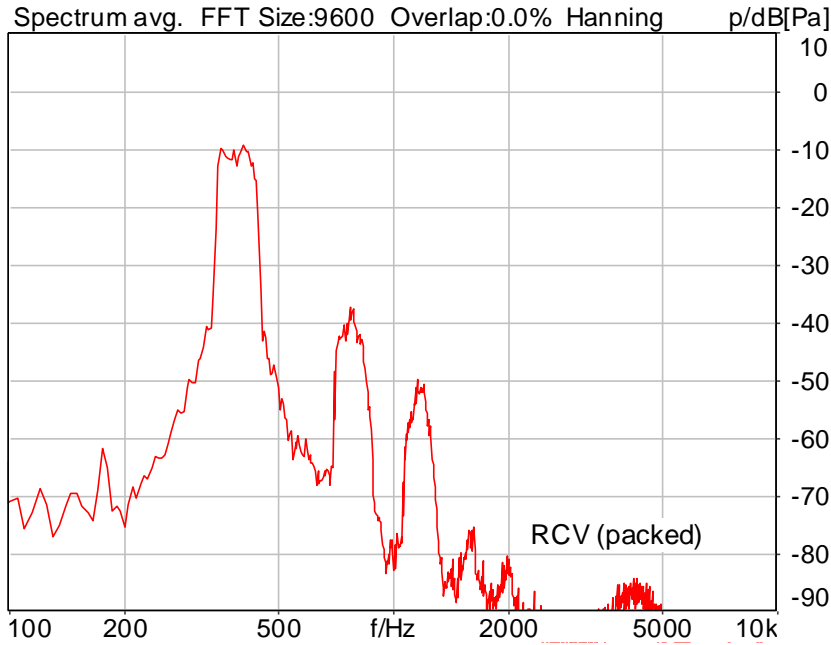
Limits

	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): 28.76 dB (3.65%) Ok

Ok

2023/10/27 下午 02:08 ACQUA 5.1.200

Limits

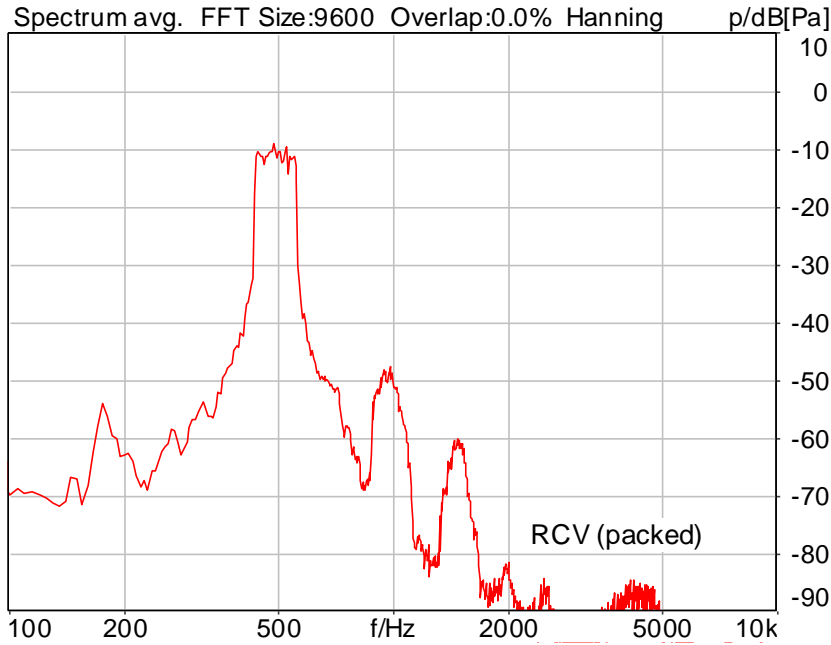
	lower
Run 1	20.00 dB





### 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): 34.46 dB (1.89%) Ok

Ok

2023/10/27 下午 02:08 ACQUA 5.1.200

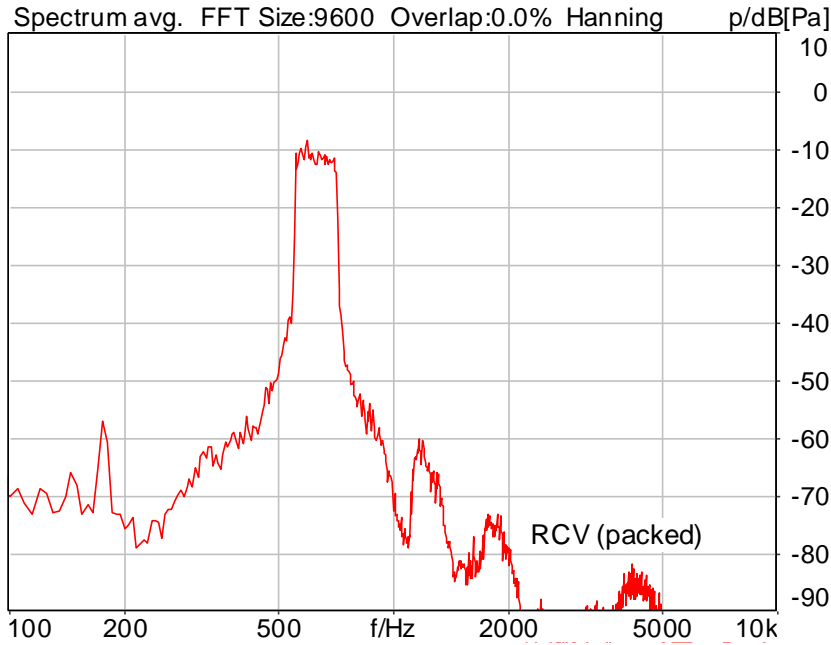
Limits

	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



Distortion (Noise) RCV (packed): 39.25 dB (1.09%) Ok

Ok

2023/10/27 下午 02:09 ACQUA 5.1.200

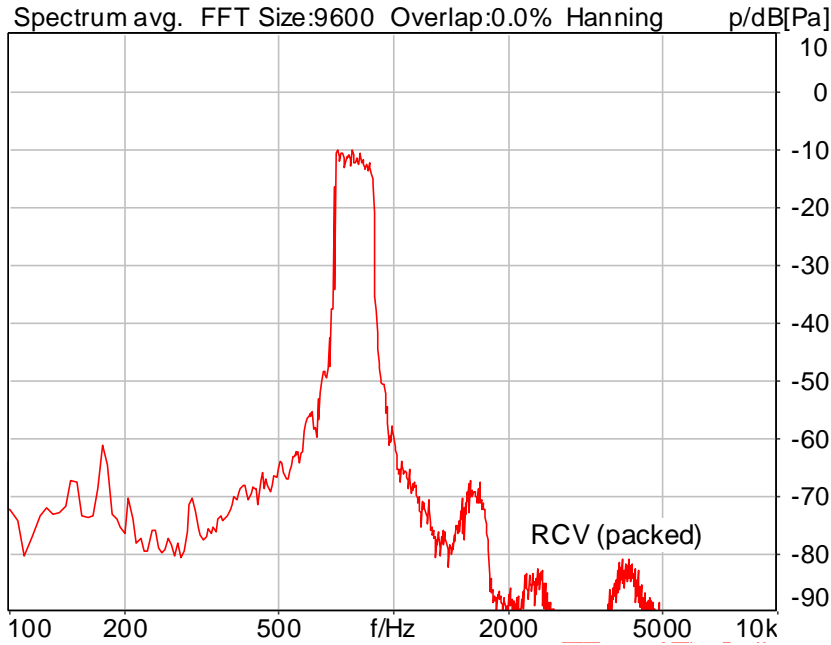
Limits

	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): 42.32 dB (0.77%) Ok

Ok

2023/10/27 下午 02:09 ACQUA 5.1.200

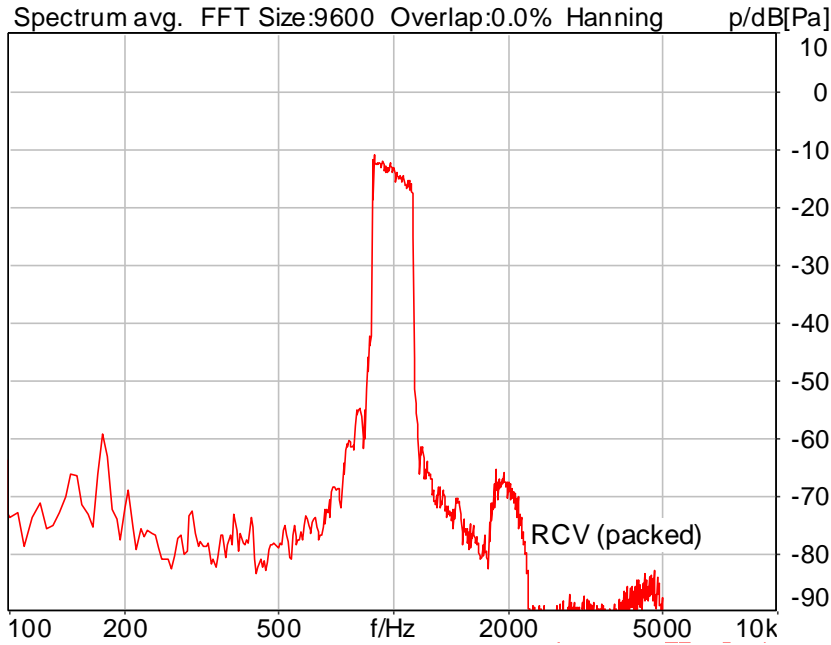
Limits

	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



Distortion (Noise) RCV (packed): 45.39 dB (0.54%) Ok

Ok

2023/10/27 下午 02:10 ACQUA 5.1.200

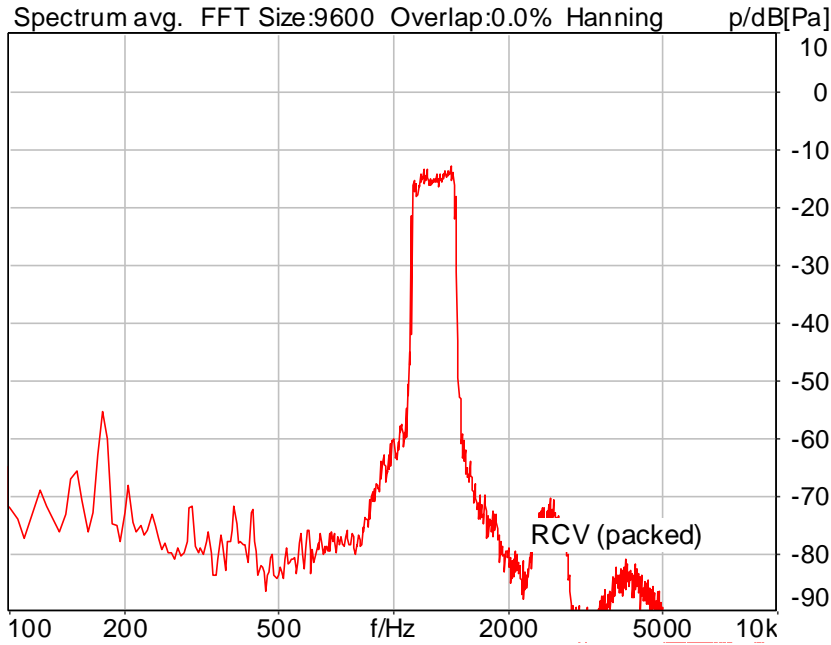
Limits

	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



Distortion (Noise) RCV (packed): 32.76 dB (2.30%) Ok

Ok

2023/10/27 下午 02:10 ACQUA 5.1.200

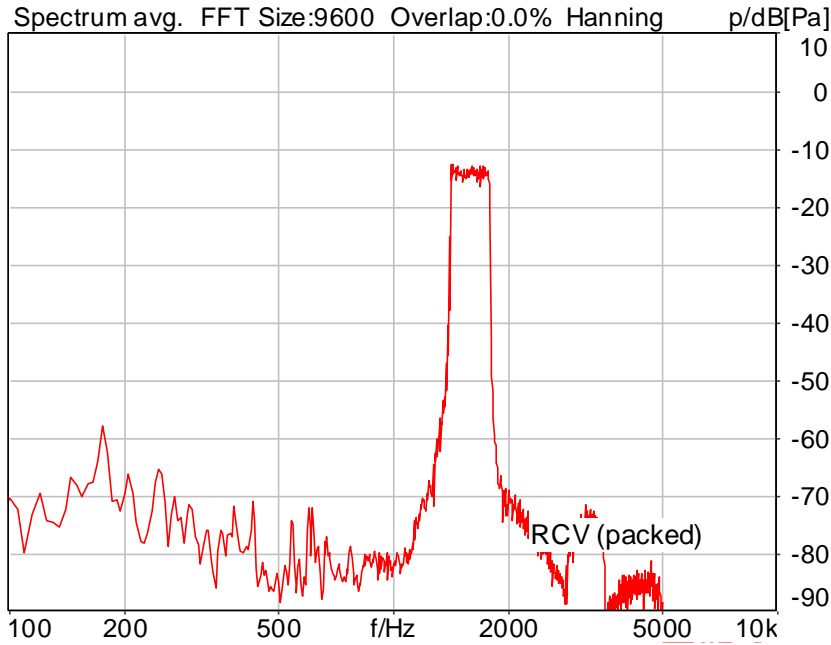
Limits

	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



Distortion (Noise) RCV (packed): 45.98 dB (0.50%) Ok

Ok

2023/10/27 下午 02:11 ACQUA 5.1.200

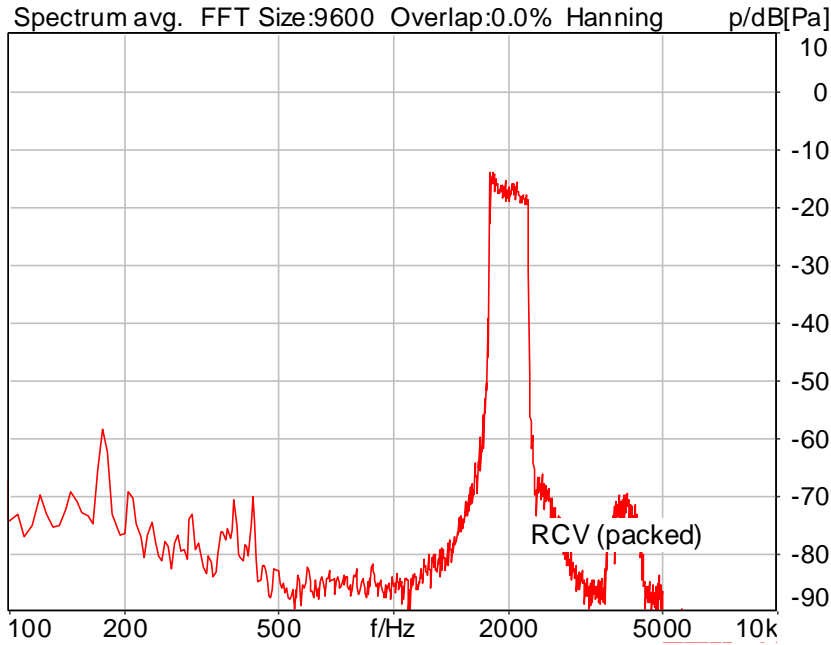
Limits

	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): 44.23 dB (0.61%) Ok

Ok

2023/10/27 下午 02:11 ACQUA 5.1.200

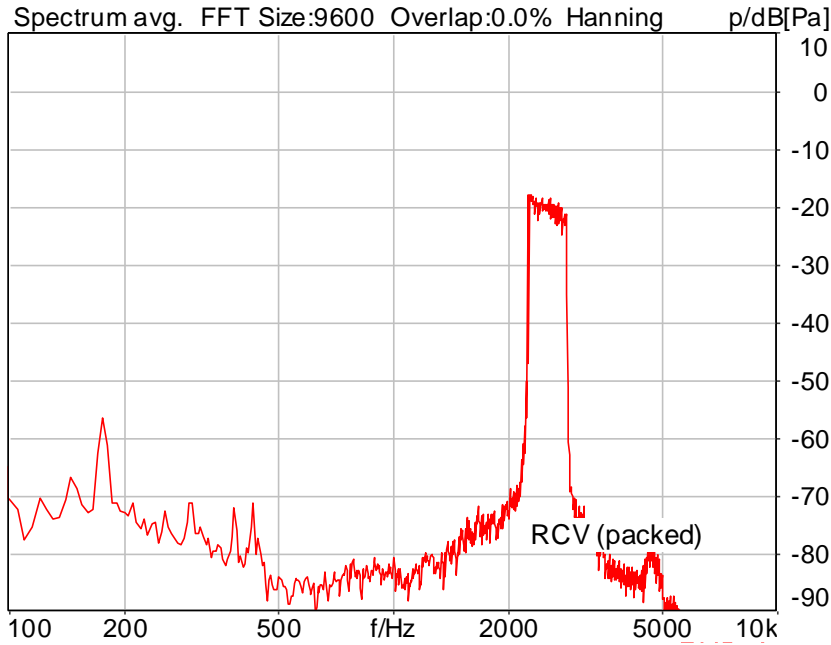
Limits

	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



Distortion (Noise) RCV (packed): 46.04 dB (0.50%) Ok

Ok

2023/10/27 下午 02:12 ACQUA 5.1.200

Limits

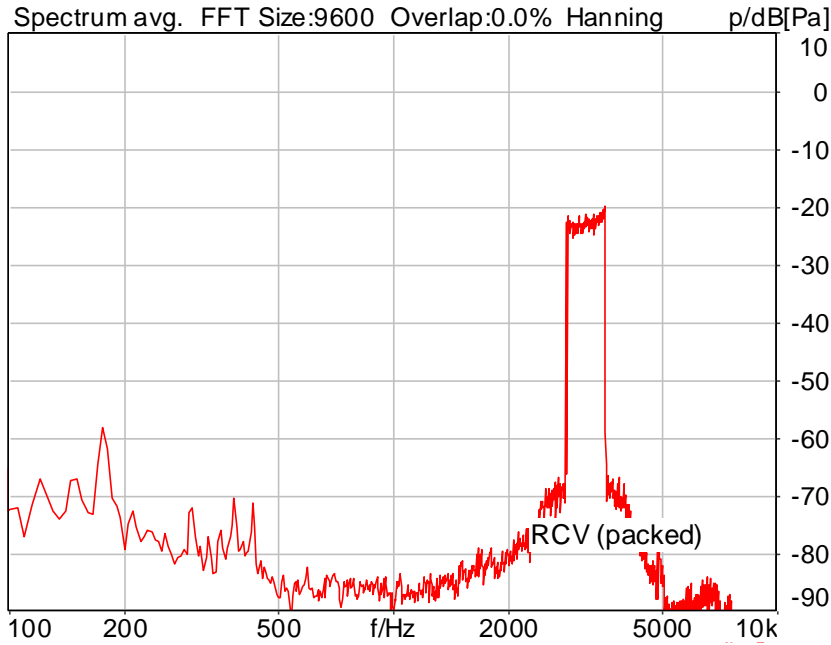
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.10 dB (0.62%) Ok

Ok

2023/10/27 下午 02:12 ACQUA 5.1.200

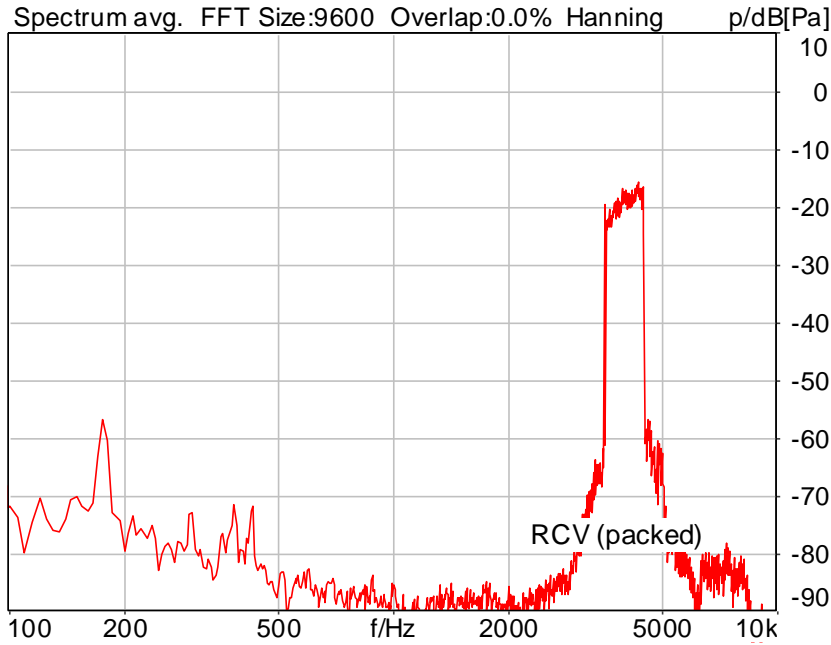
Limits

	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): 43.55 dB (0.66%) Ok

Ok

2023/10/27 下午 02:13 ACQUA 5.1.200

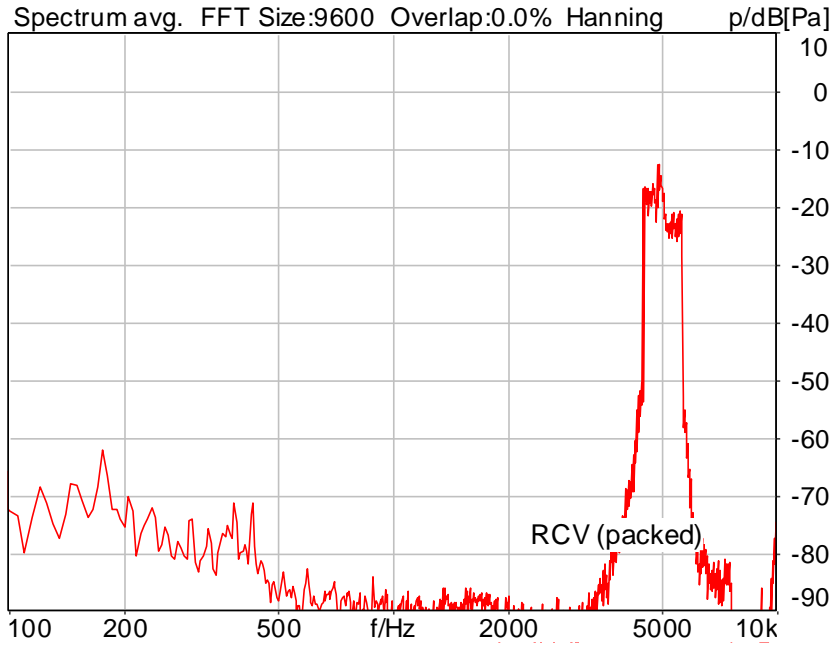
Limits

	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



Distortion (Noise) RCV (packed): 41.14 dB (0.88%) Ok

Ok

2023/10/27 下午 02:13 ACQUA 5.1.200

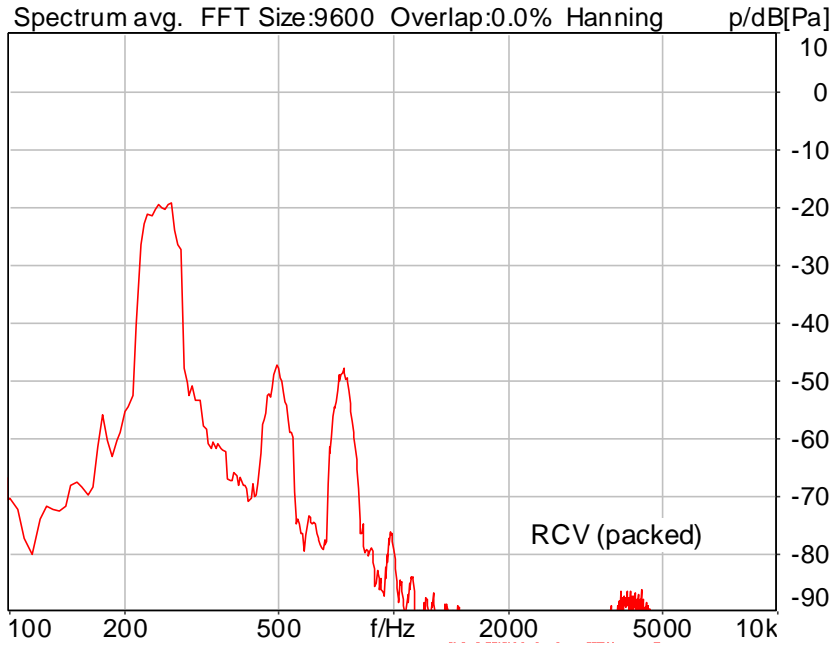
Limits

	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



Distortion (Noise) RCV (packed): 27.10 dB (4.42%) Ok

Ok

2023/10/27 下午 02:14 ACQUA 5.1.200

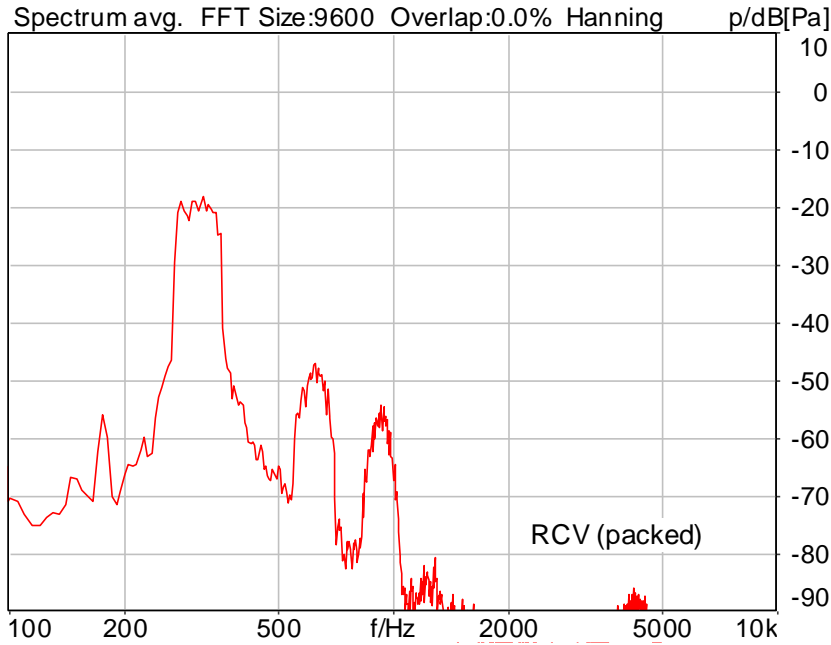
Limits

	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



Distortion (Noise) RCV (packed): 28.84 dB (3.62%) Ok

Ok

2023/10/27 下午 02:15 ACQUA 5.1.200

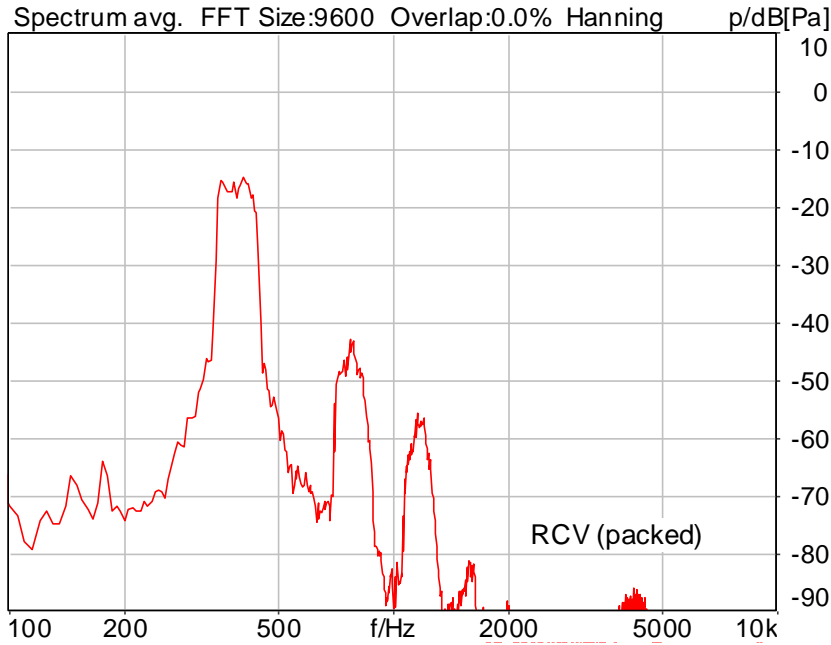
Limits

	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



Distortion (Noise) RCV (packed): 28.96 dB (3.56%) Ok

Ok

2023/10/27 下午 02:15 ACQUA 5.1.200

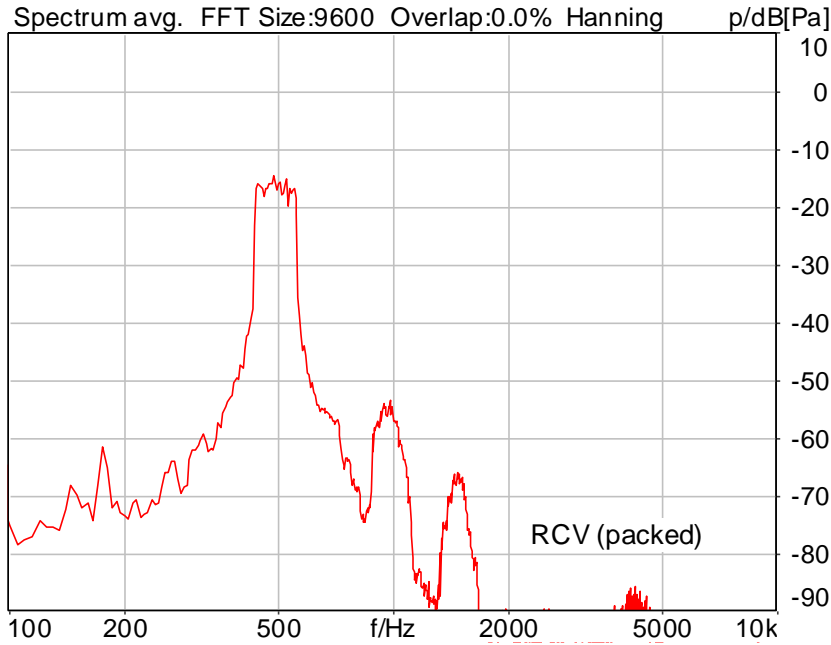
Limits

	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



Distortion (Noise) RCV (packed): 34.61 dB (1.86%) Ok

Ok

2023/10/27 下午 02:16 ACQUA 5.1.200

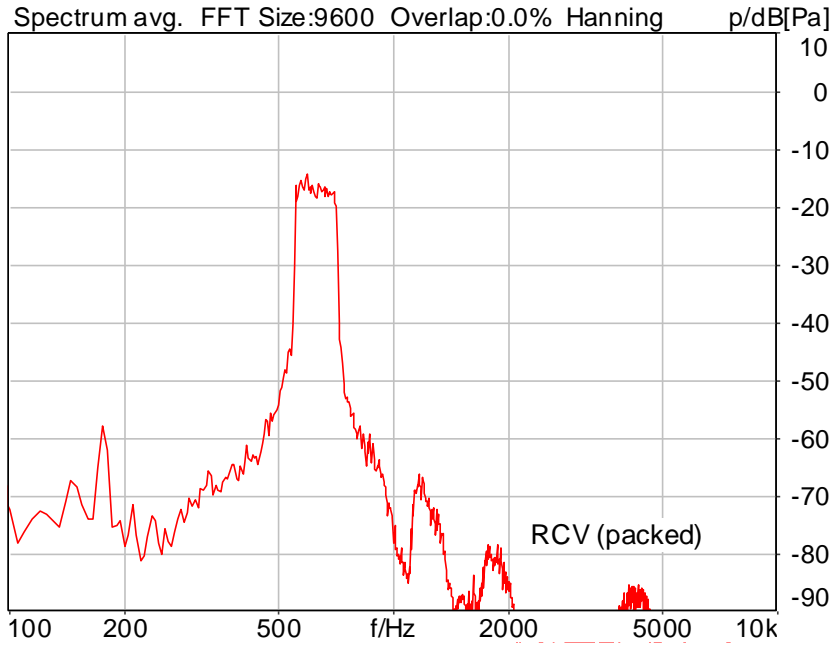
Limits

	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): 39.20 dB (1.10%) Ok

Ok

2023/10/27 下午 02:16 ACQUA 5.1.200

Limits

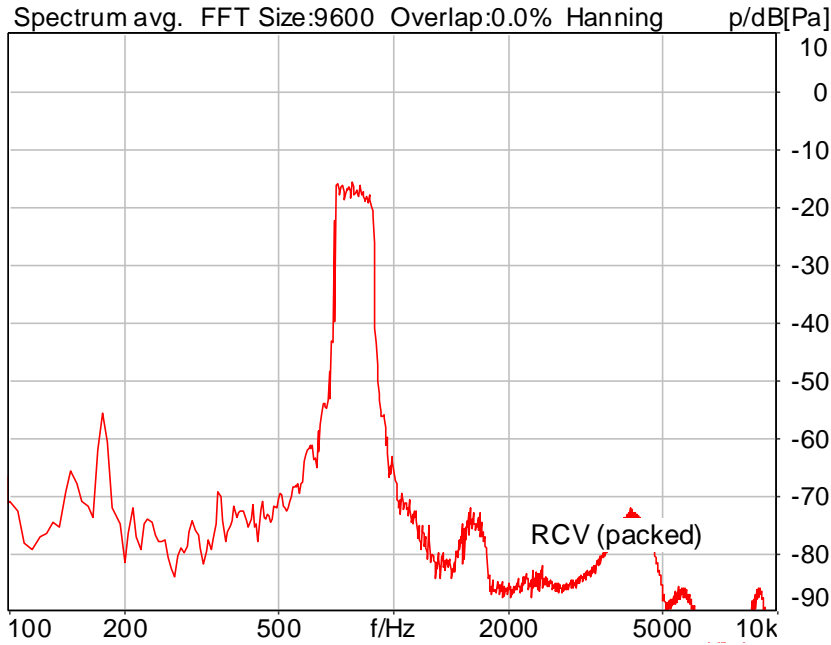
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 41.07 dB (0.88%) Ok

Ok

2023/10/27 下午 02:17 ACQUA 5.1.200

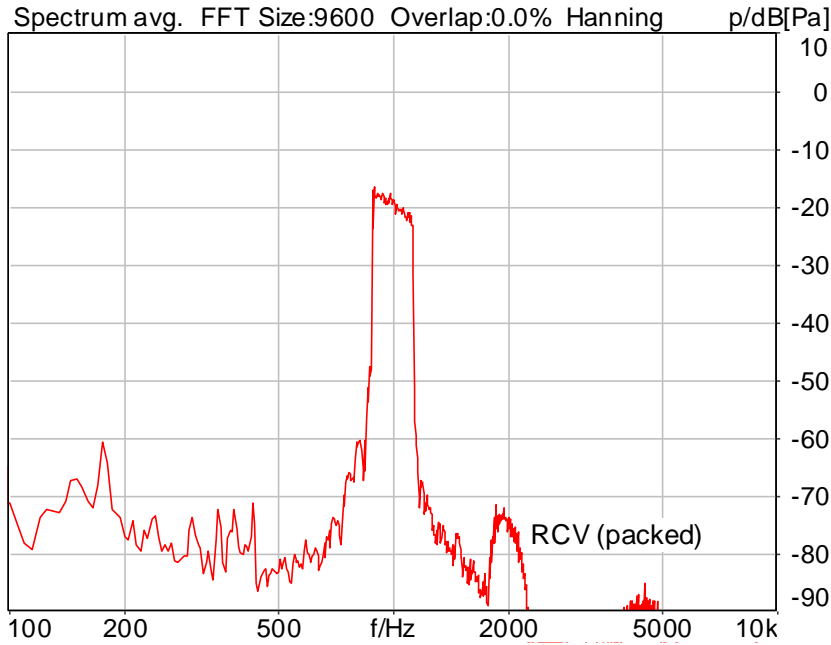
Limits

	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



Distortion (Noise) RCV (packed): 45.47 dB (0.53%) Ok

Ok

2023/10/27 下午 02:17 ACQUA 5.1.200

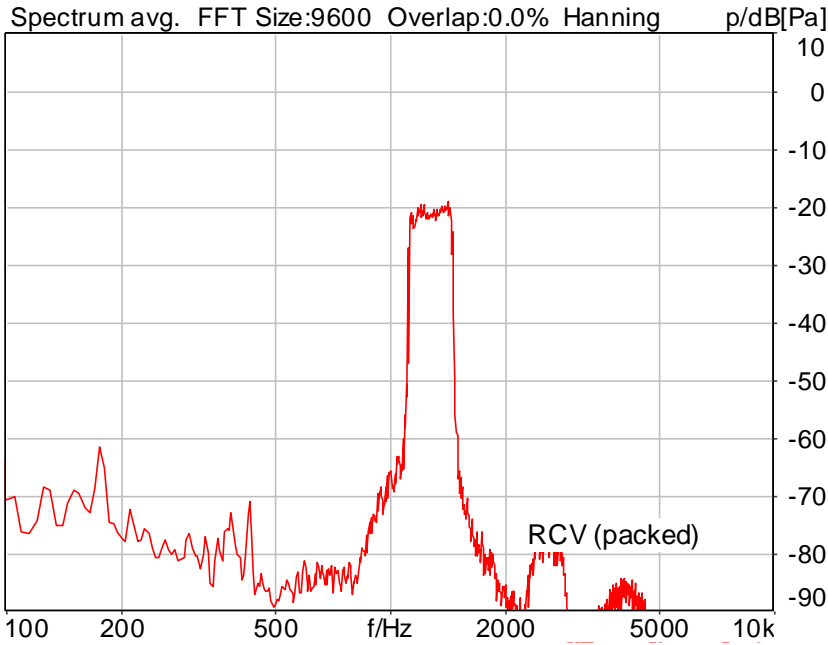
Limits

	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): 33.40 dB (2.14%) Ok

Ok

2023/10/27 下午 02:18 ACQUA 5.1.200

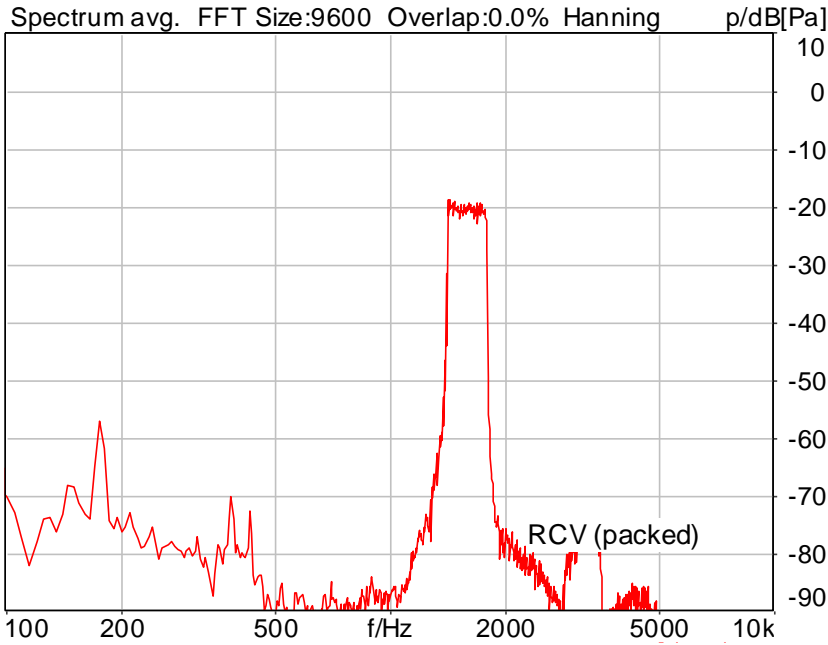
Limits

	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



Distortion (Noise) RCV (packed): 45.26 dB (0.55%) Ok

Ok

2023/10/27 下午 02:18 ACQUA 5.1.200

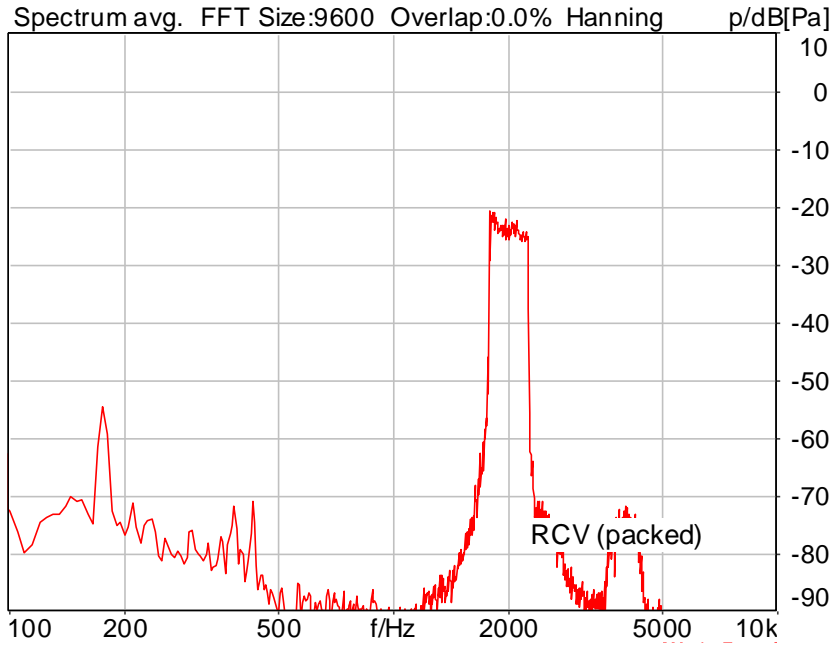
Limits

	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



Distortion (Noise) RCV (packed): 41.71 dB (0.82%) Ok

Ok

2023/10/27 下午 02:19 ACQUA 5.1.200

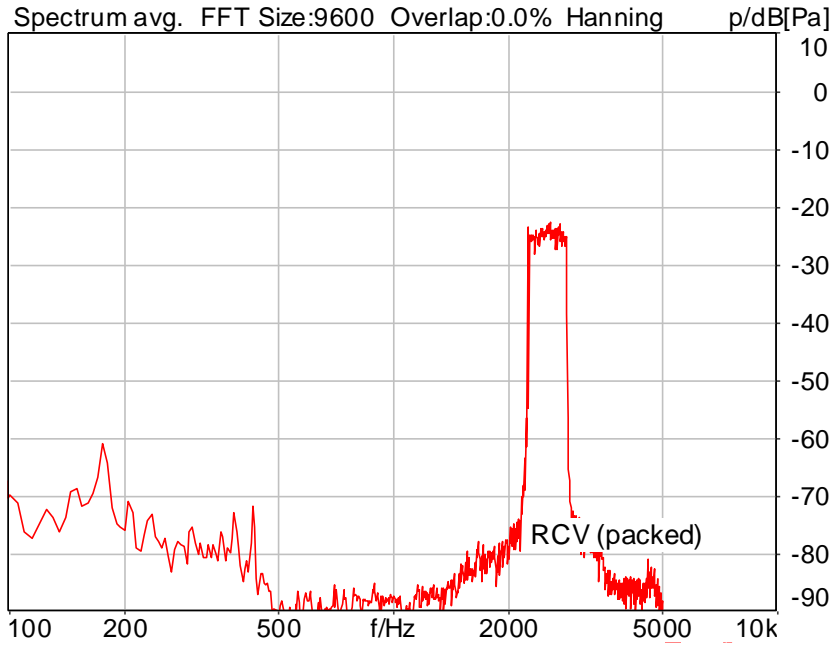
Limits

	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



Distortion (Noise) RCV (packed): 45.96 dB (0.50%) Ok

Ok

2023/10/27 下午 02:19 ACQUA 5.1.200

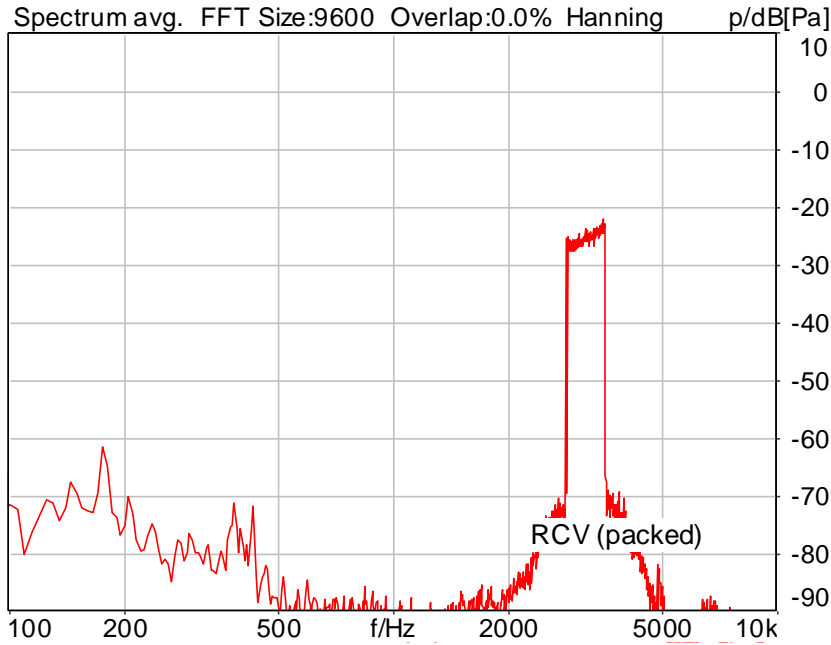
Limits

	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



Distortion (Noise) RCV (packed): 44.93 dB (0.57%) Ok

Ok

2023/10/27 下午 02:19 ACQUA 5.1.200

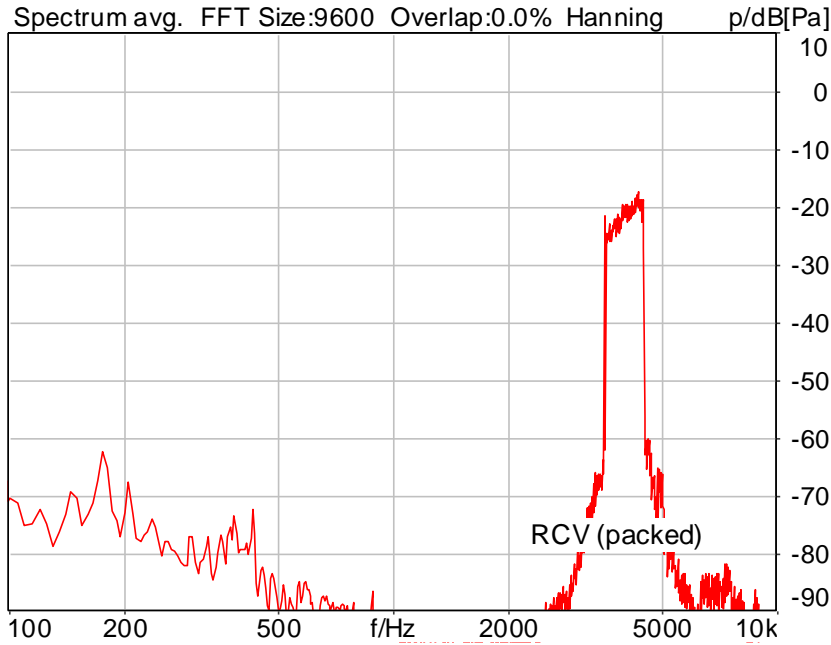
Limits

	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



Distortion (Noise) RCV (packed): 44.42 dB (0.60%) Ok

Ok

2023/10/27 下午 02:20 ACQUA 5.1.200

Limits

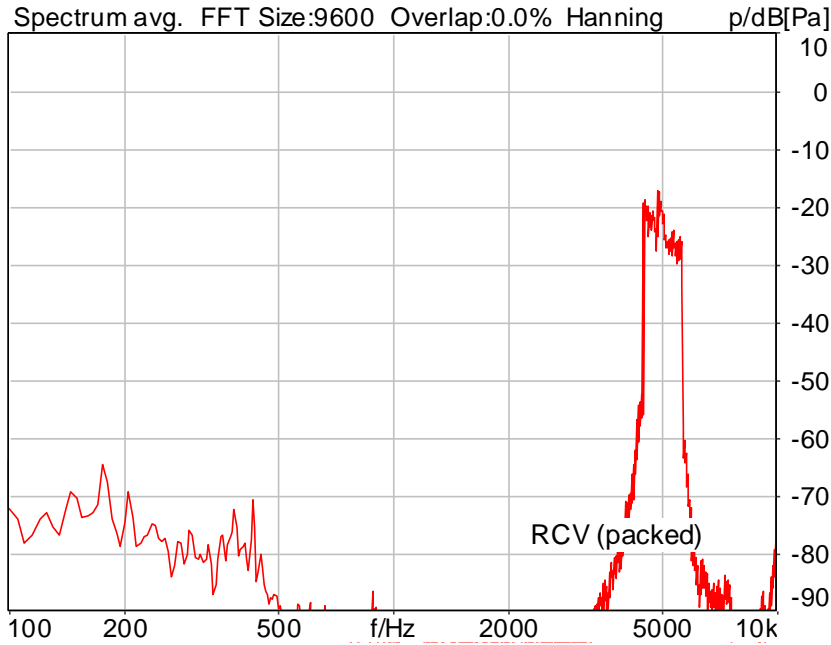
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 39.73 dB (1.03%) Ok

Ok

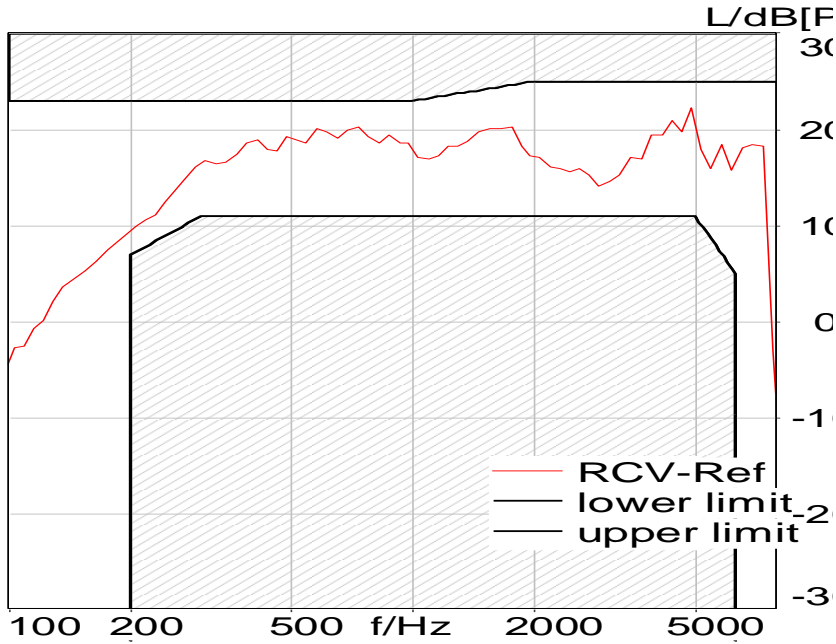
2023/10/27 下午 02:20 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.71 dB at 731.5 Hz Ok

Ok

2023/10/27 下午 02:21 ACQUA 5.1.200

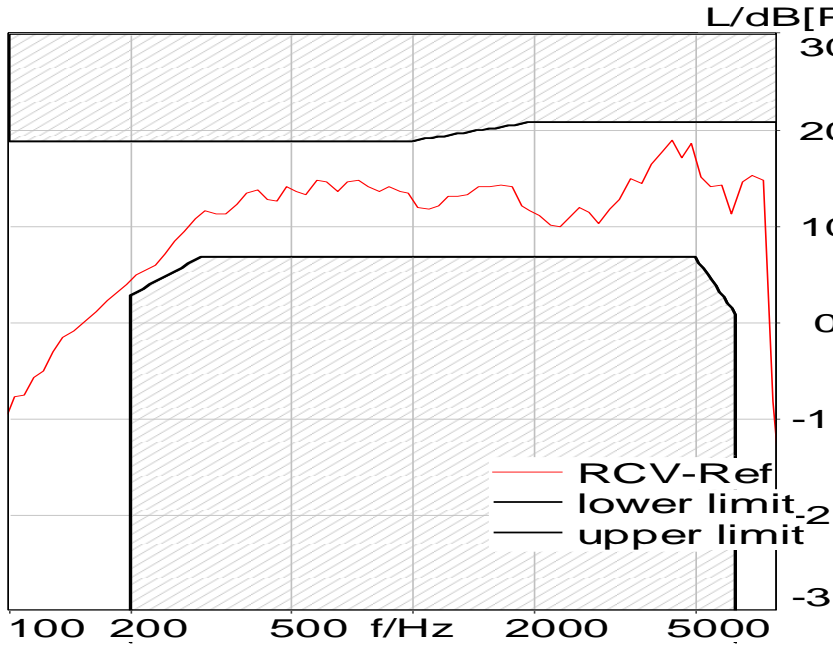
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
1.79 dB at 4369.4 Hz Ok

Ok

2023/10/27 下午 02:22 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#10 LTE Band 66 EVS WB 24.4kbps

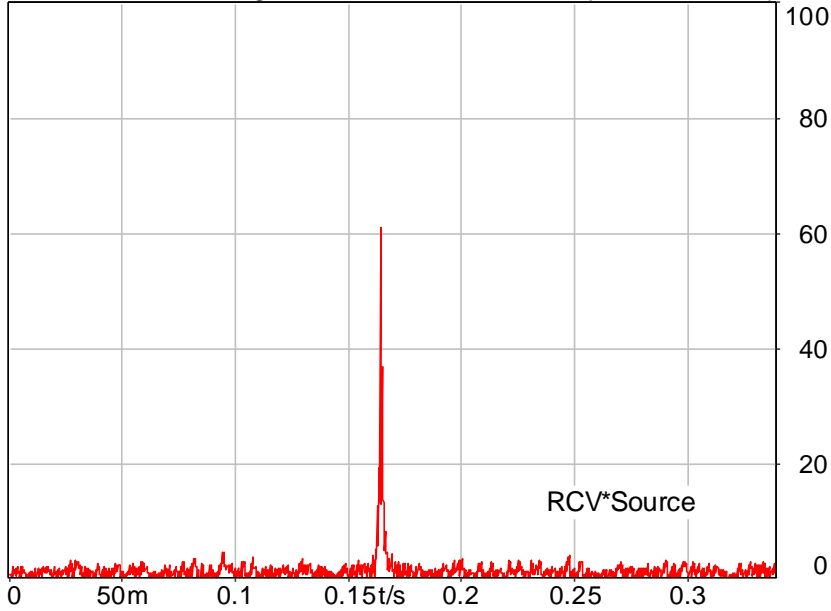
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	164.8
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.13
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.58
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.17
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.00
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	33.95
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.99
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.03
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.33
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.48
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.84
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.12
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.27
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.34
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.17
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.45
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.11
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.07
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.94
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.10
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.97
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.30
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.44
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.01
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.30
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.18
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.17
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.10
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.39
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.27
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	2.80
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.32



### Overall Receive Delay WB

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

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



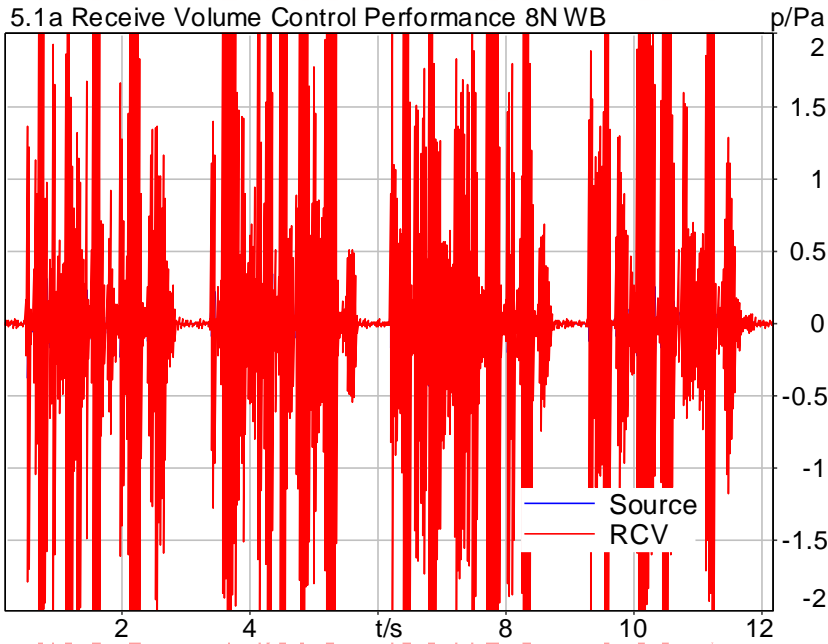
Delay (Cross): 164.8 ms

2023/10/22 下午 03:03 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.13 dB[SPL], Act.: 58.75% Ok

Ok

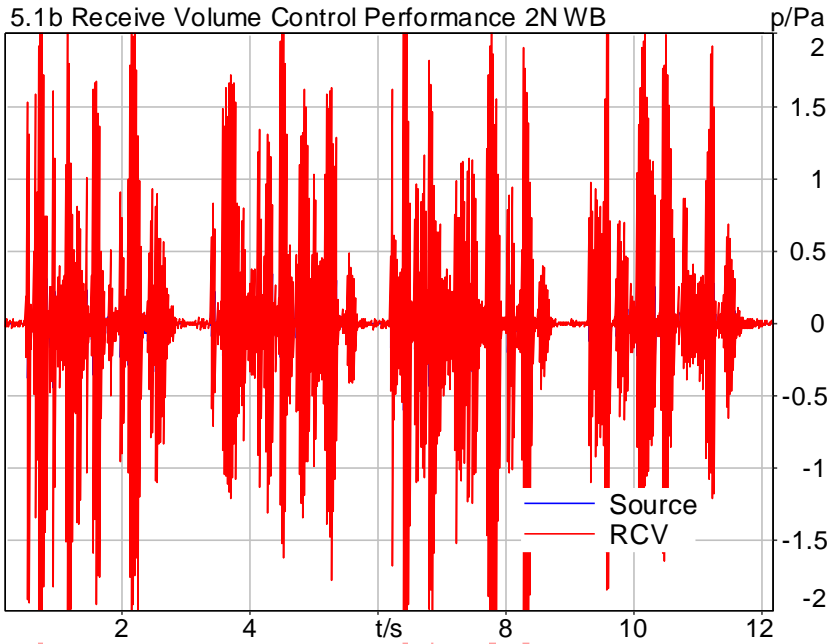
2023/10/22 下午 03:04 ACQUA 5.1.200

**Limits**

	lower
Run 1	88.00 dB20uPa

### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.58 dB[SPL], Act.: 28.50% Ok

Ok

2023/10/22 下午 03:05 ACQUA 5.1.200

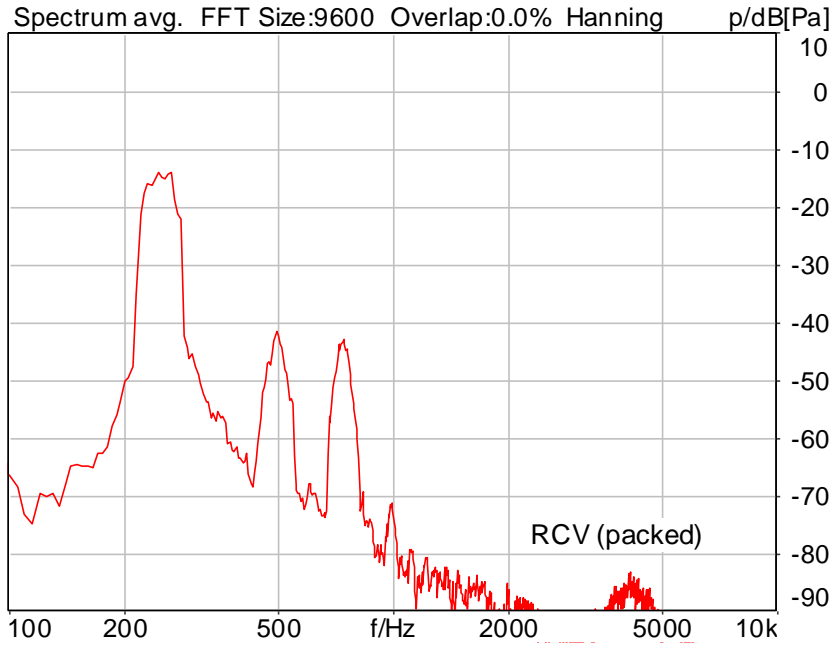
**Limits**

	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): 27.17 dB (4.38%) Ok

Ok

2023/10/22 下午 03:06 ACQUA 5.1.200

Limits

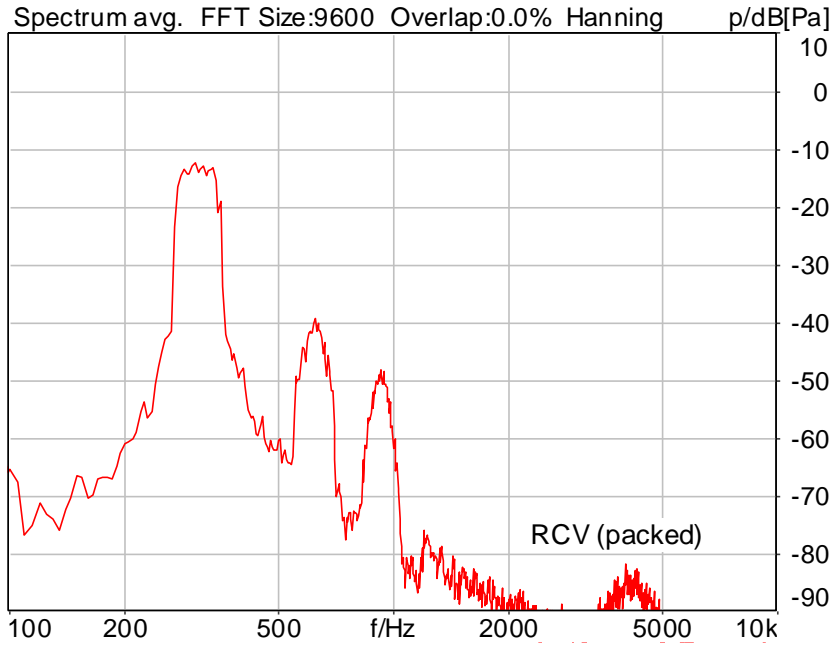
	lower
Run 1	20.00 dB





### 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): 28.00 dB (3.98%) Ok

Ok

2023/10/22 下午 03:06 ACQUA 5.1.200

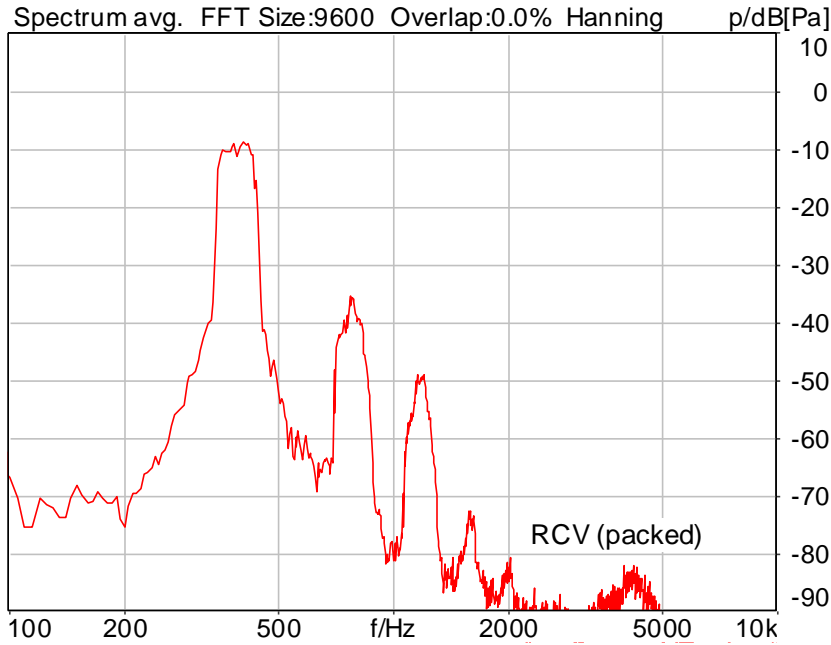
Limits

	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



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

Ok

2023/10/22 下午 03:06 ACQUA 5.1.200

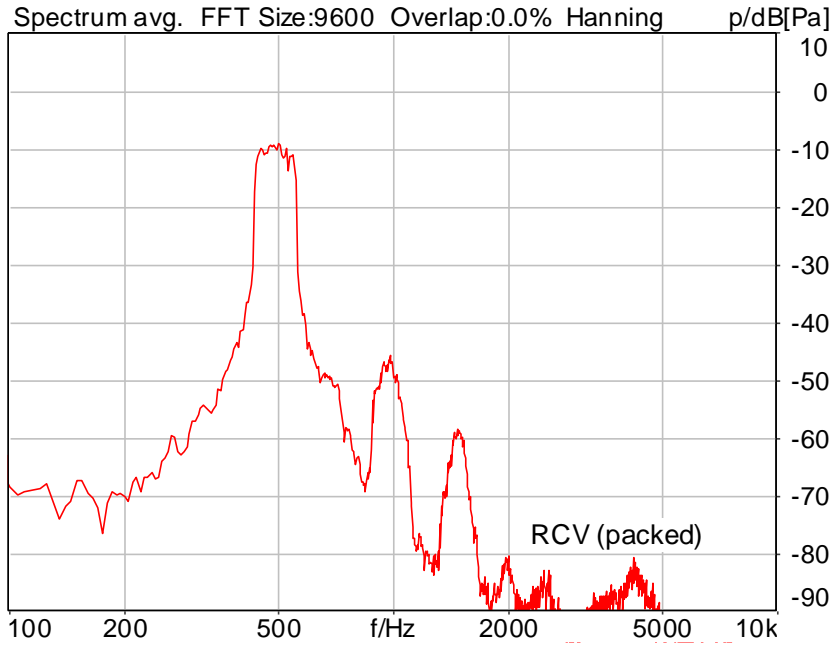
Limits

	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): 33.95 dB (2.01%) Ok

Ok

2023/10/22 下午 03:07 ACQUA 5.1.200

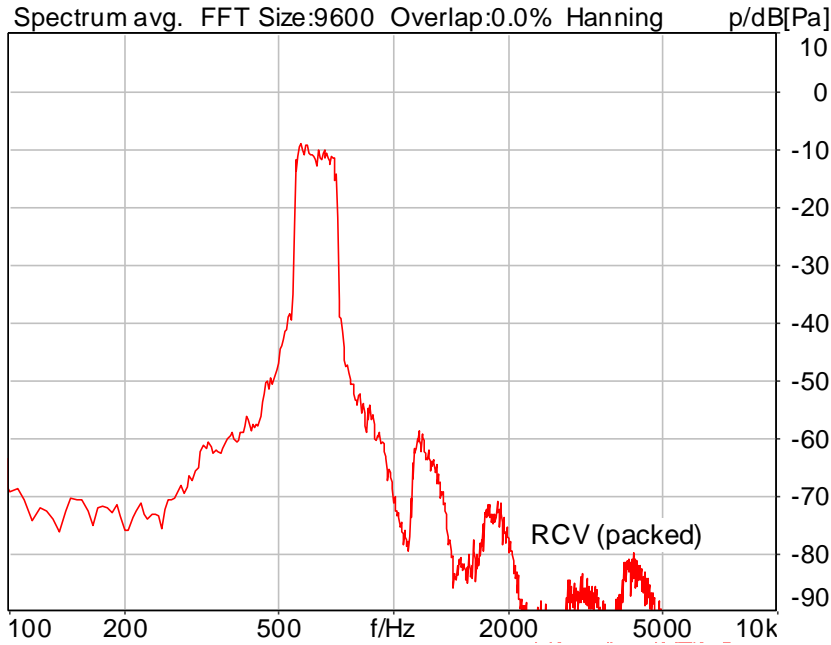
Limits

	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



Distortion (Noise) RCV (packed): 38.99 dB (1.12%) Ok

Ok

2023/10/22 下午 03:07 ACQUA 5.1.200

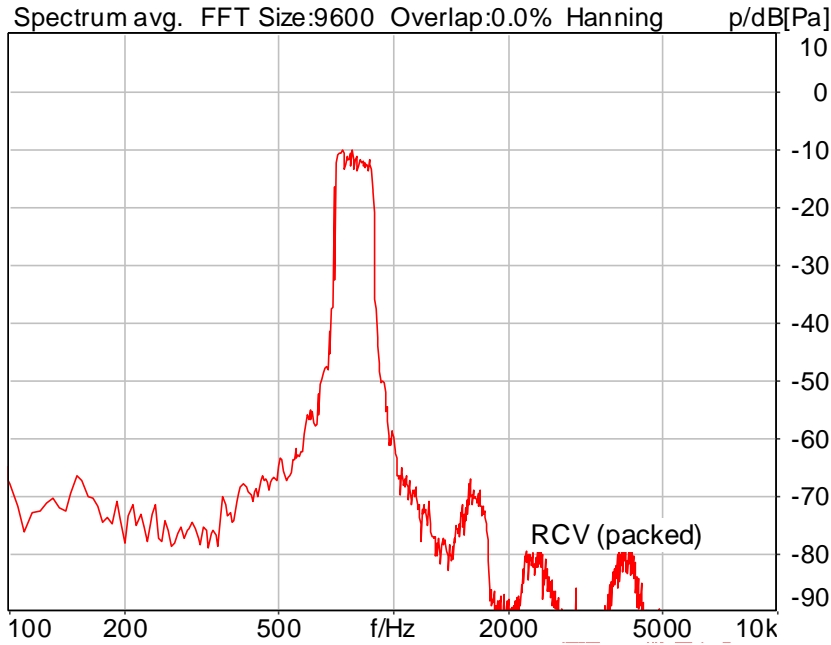
Limits

	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): 42.03 dB (0.79%) Ok

Ok

2023/10/22 下午 03:08 ACQUA 5.1.200

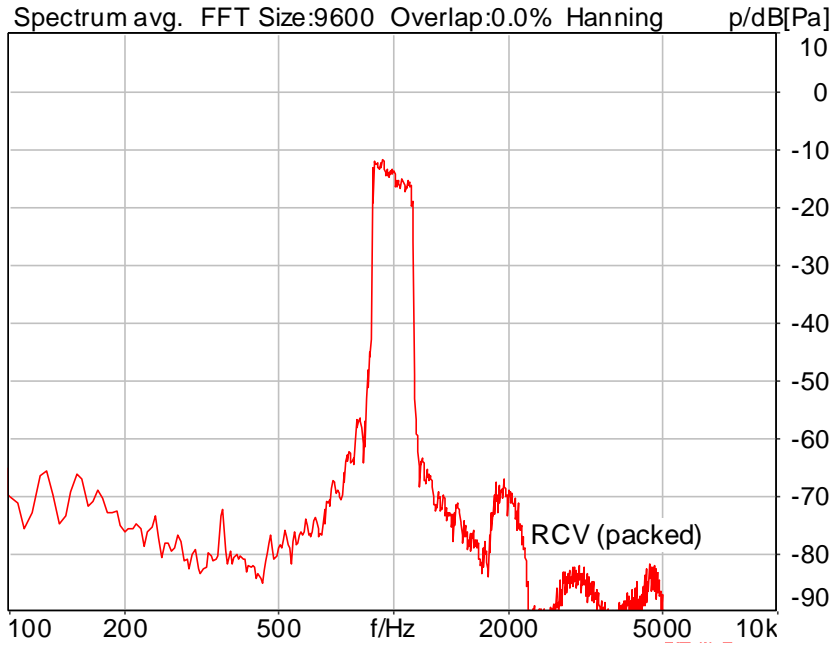
Limits

	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



Distortion (Noise) RCV (packed): 46.33 dB (0.48%) Ok

Ok

2023/10/22 下午 03:08 ACQUA 5.1.200

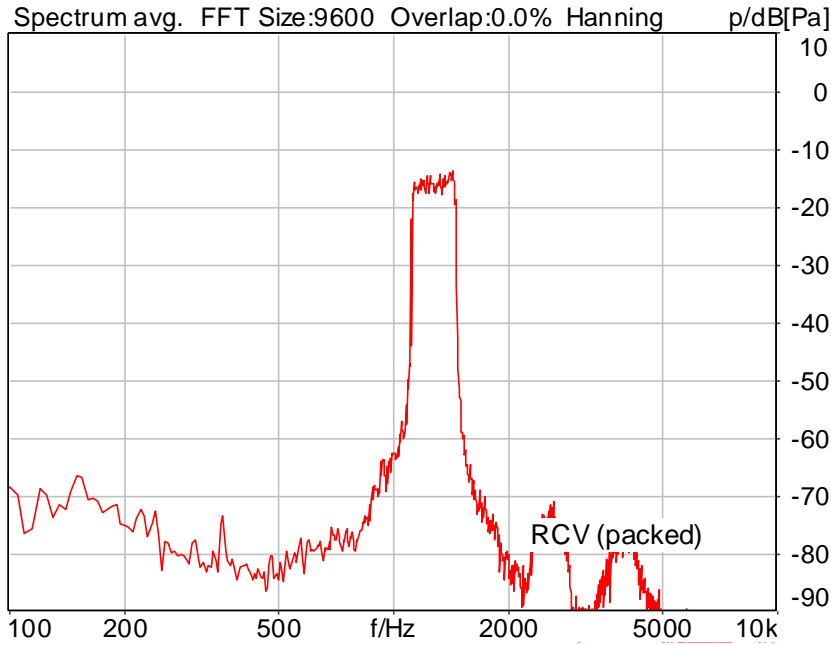
Limits

	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



Distortion (Noise) RCV (packed): 33.48 dB (2.12%) Ok

Ok

2023/10/22 下午 03:09 ACQUA 5.1.200

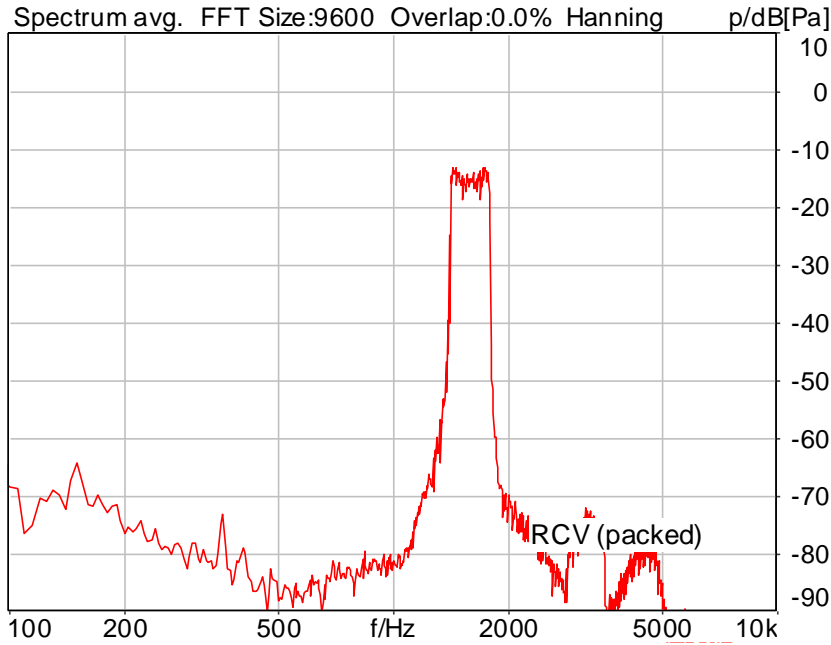
Limits

	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



Distortion (Noise) RCV (packed): 44.84 dB (0.57%) Ok

Ok

2023/10/22 下午 03:09 ACQUA 5.1.200

Limits

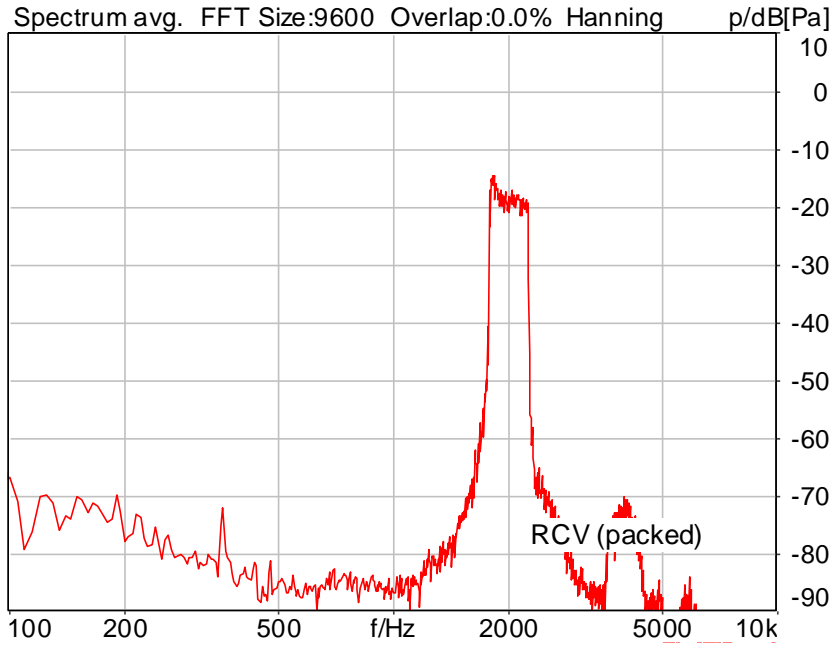
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 42.12 dB (0.78%) Ok

Ok

2023/10/22 下午 03:10 ACQUA 5.1.200

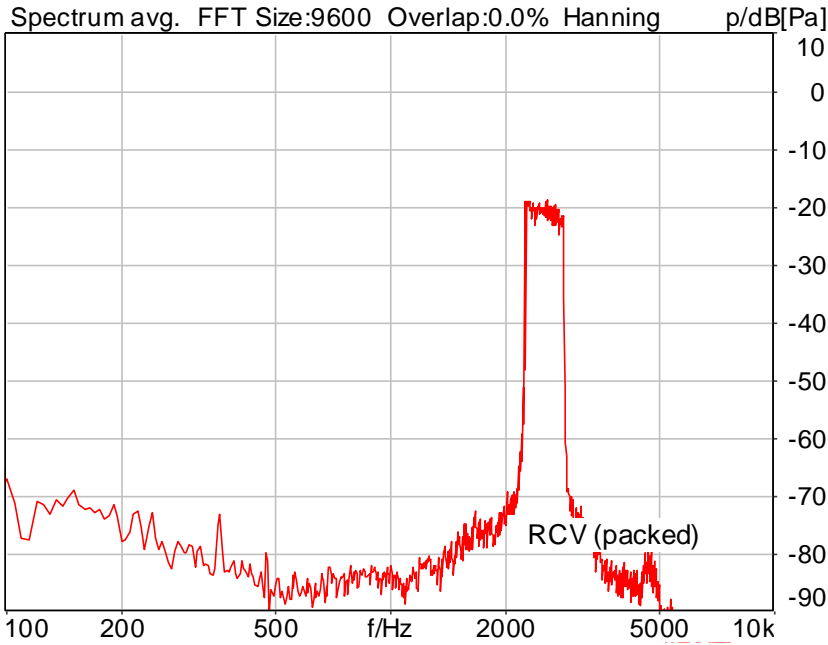
Limits

	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



Distortion (Noise) RCV (packed): 46.27 dB (0.49%) Ok

Ok

2023/10/22 下午 03:10 ACQUA 5.1.200

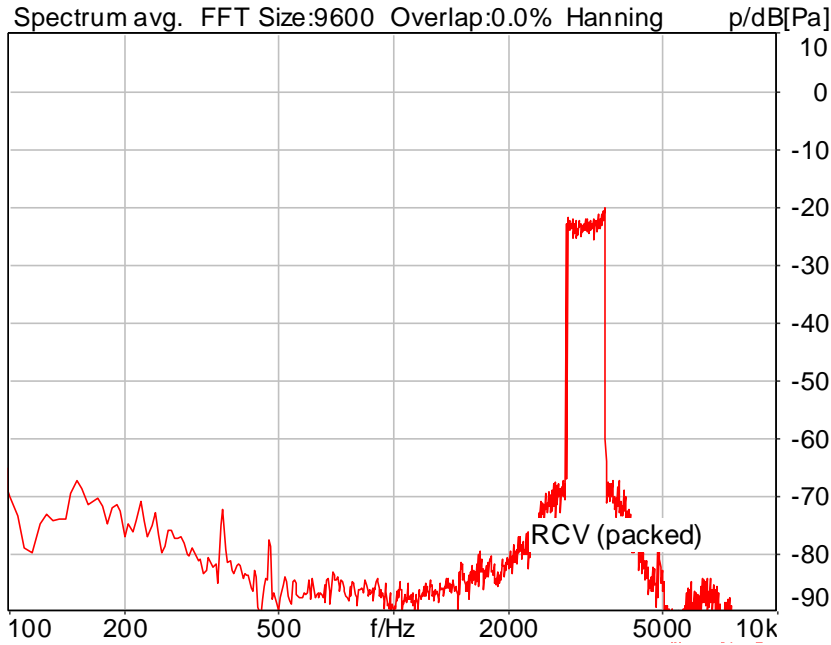
Limits

	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



Distortion (Noise) RCV (packed): 44.34 dB (0.61%) Ok

Ok

2023/10/22 下午 03:11 ACQUA 5.1.200

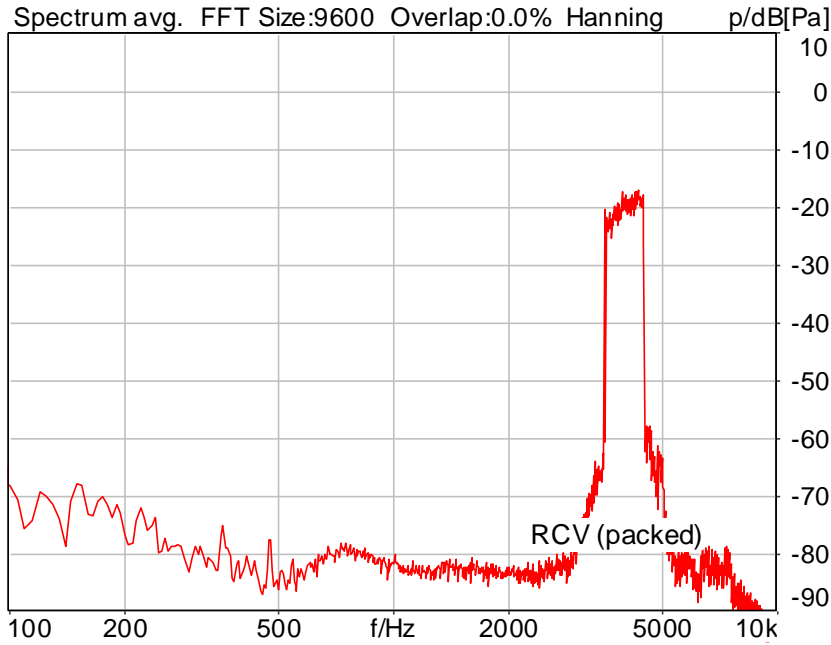
Limits

	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



Distortion (Noise) RCV (packed): 43.17 dB (0.69%) Ok

Ok

2023/10/22 下午 03:11 ACQUA 5.1.200

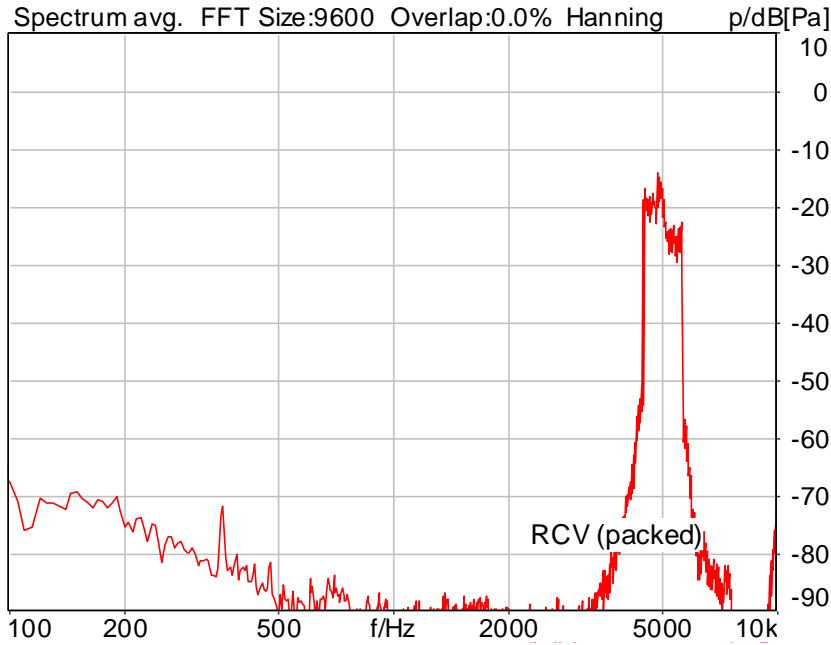
Limits

	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



Distortion (Noise) RCV (packed): 40.45 dB (0.95%) Ok

Ok

2023/10/22 下午 03:12 ACQUA 5.1.200

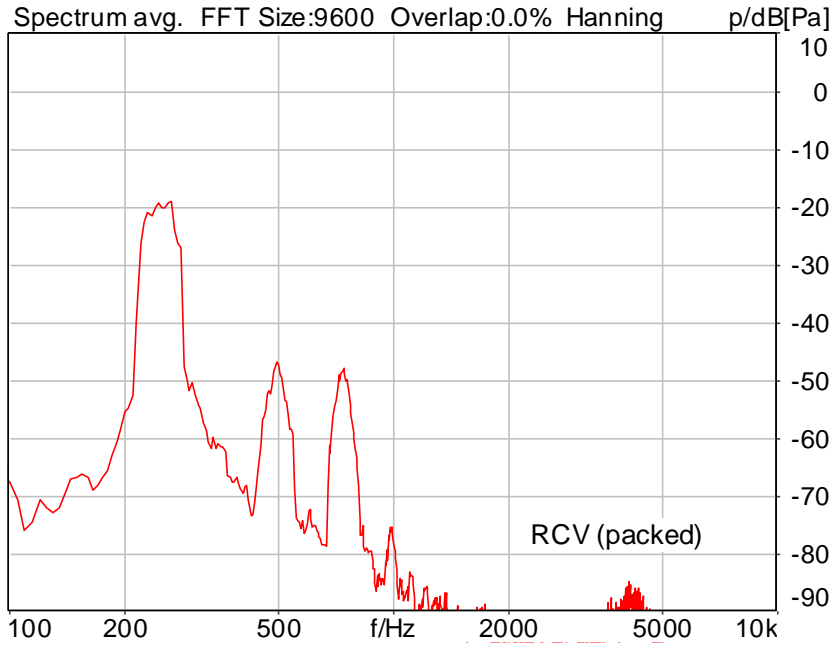
Limits

	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



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

Ok

2023/10/22 下午 03:13 ACQUA 5.1.200

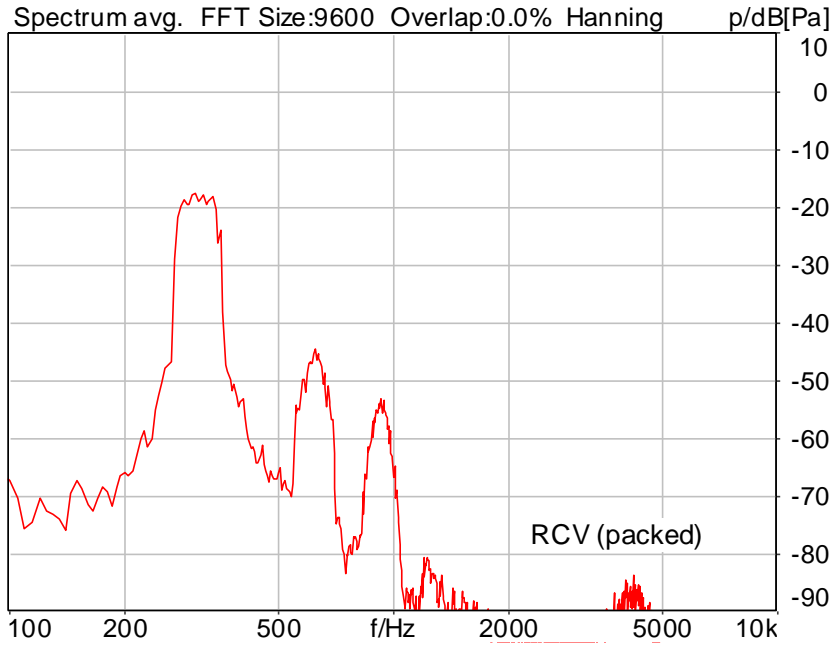
Limits

	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



Distortion (Noise) RCV (packed): 28.07 dB (3.95%) Ok

Ok

2023/10/22 下午 03:13 ACQUA 5.1.200

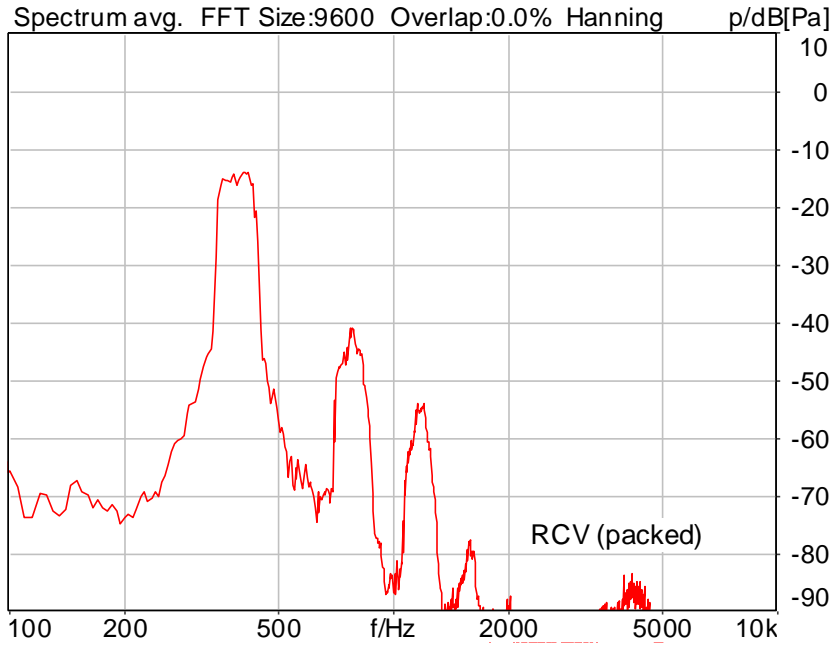
Limits

	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



Distortion (Noise) RCV (packed): 27.94 dB (4.01%) Ok

Ok

2023/10/22 下午 03:14 ACQUA 5.1.200

Limits

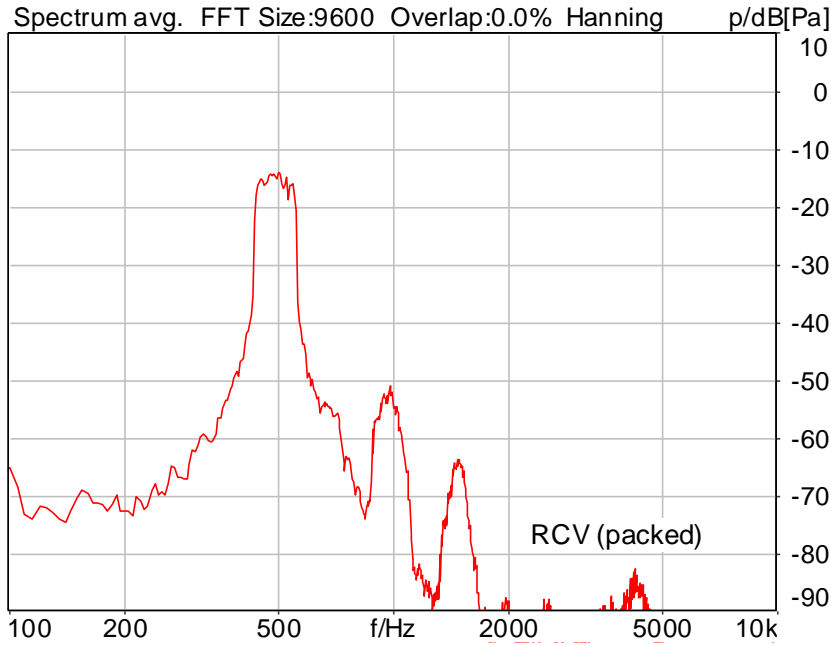
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 34.10 dB (1.97%) Ok

Ok

2023/10/22 下午 03:14 ACQUA 5.1.200

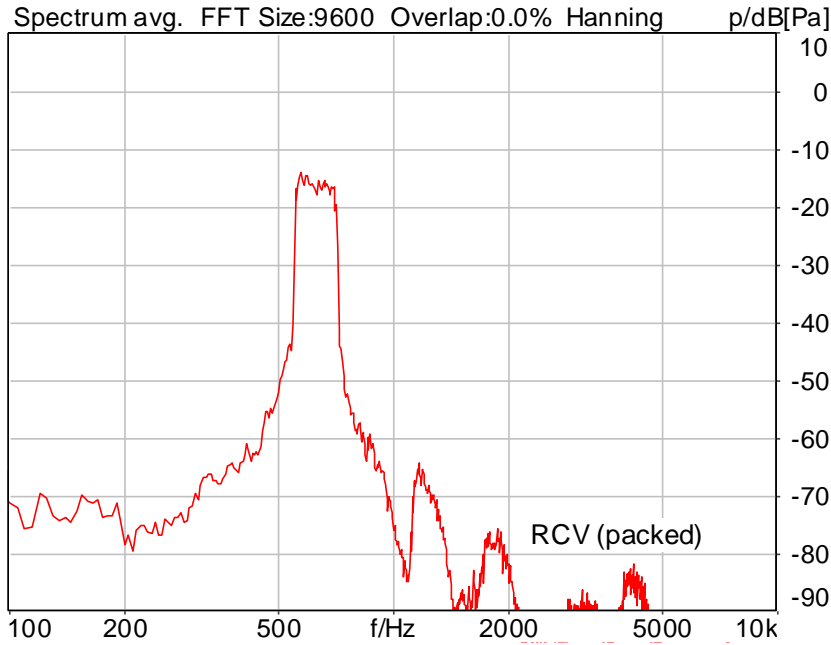
Limits

	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): 38.97 dB (1.13%) Ok

Ok

2023/10/22 下午 03:15 ACQUA 5.1.200

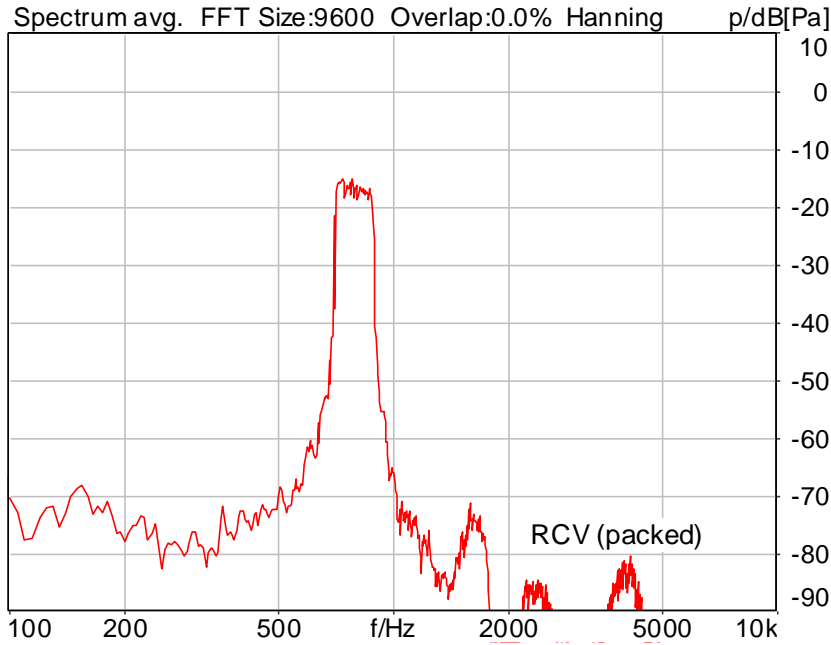
Limits

	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): 42.30 dB (0.77%) Ok

Ok

2023/10/22 下午 03:15 ACQUA 5.1.200

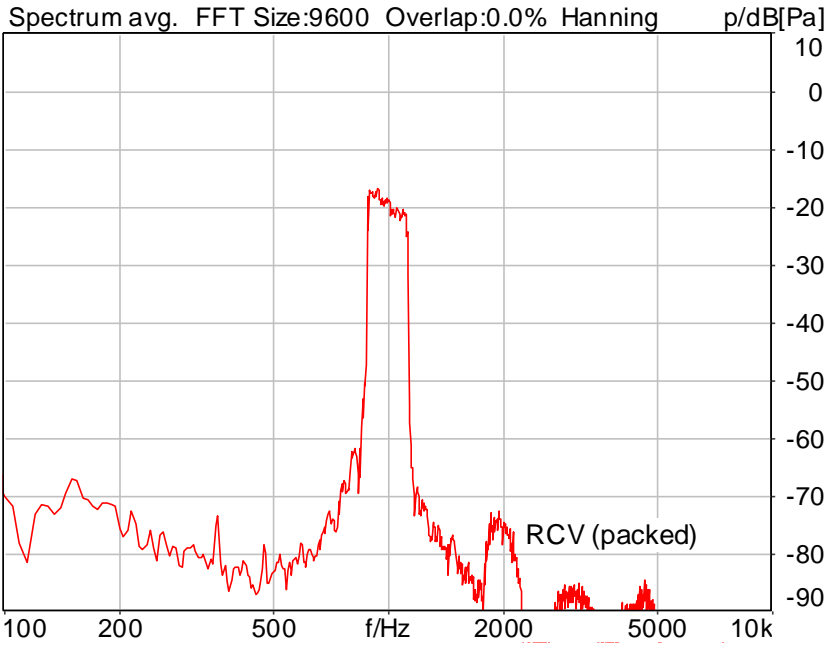
Limits

	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



Distortion (Noise) RCV (packed): 46.44 dB (0.48%) Ok

Ok

2023/10/22 下午 03:15 ACQUA 5.1.200

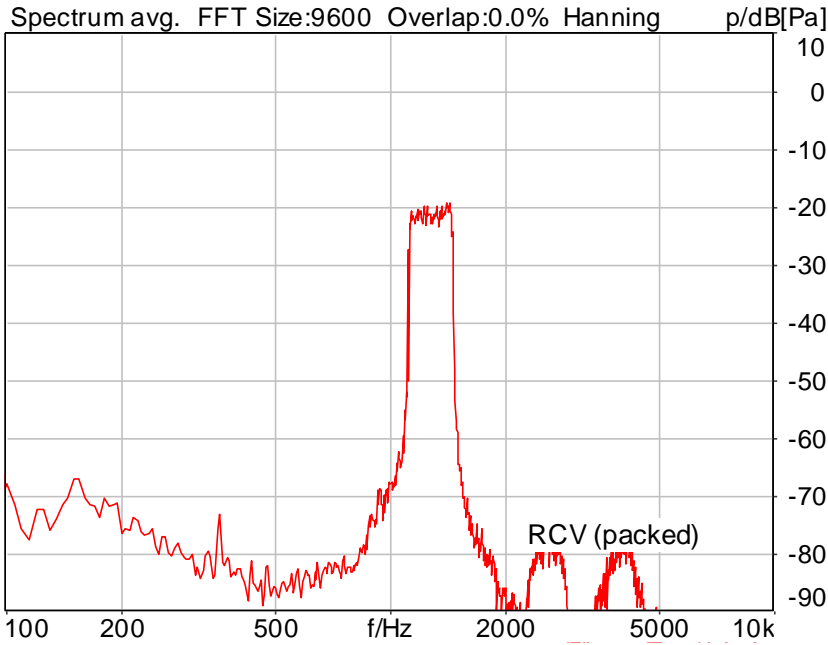
Limits

	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): 33.01 dB (2.24%) Ok

Ok

2023/10/22 下午 03:16 ACQUA 5.1.200

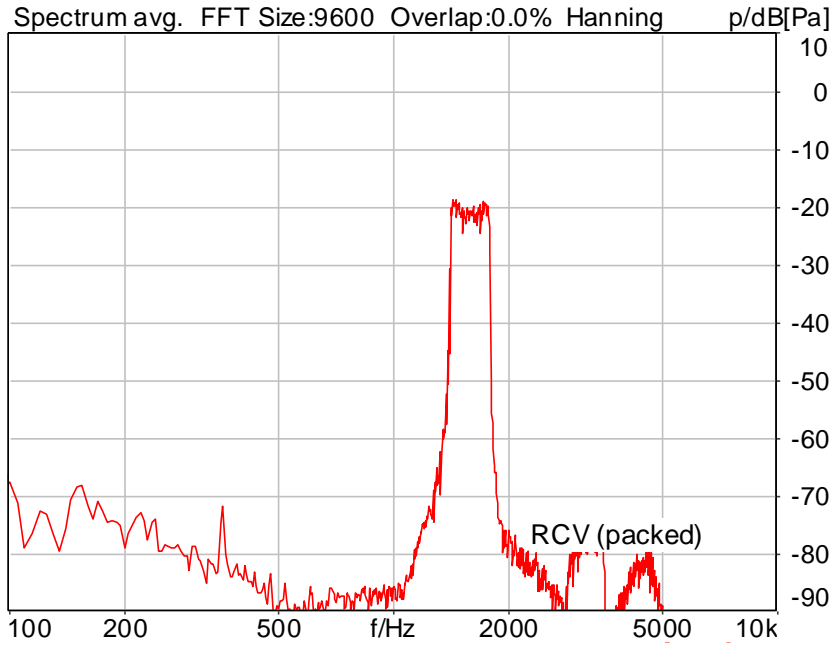
Limits

	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



Ok

2023/10/22 下午 03:16 ACQUA 5.1.200

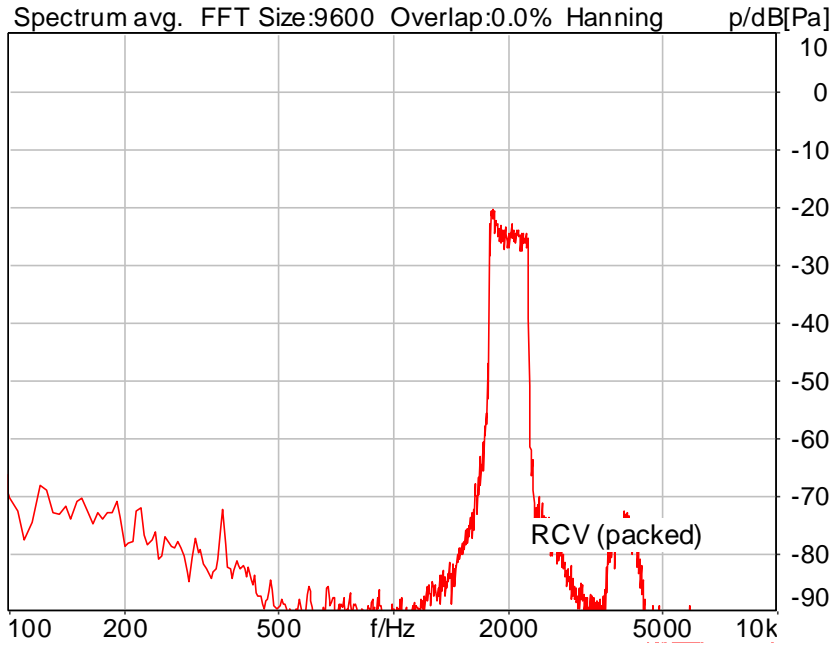
Limits

	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



Distortion (Noise) RCV (packed): 41.18 dB (0.87%) Ok

Ok

2023/10/22 下午 03:17 ACQUA 5.1.200

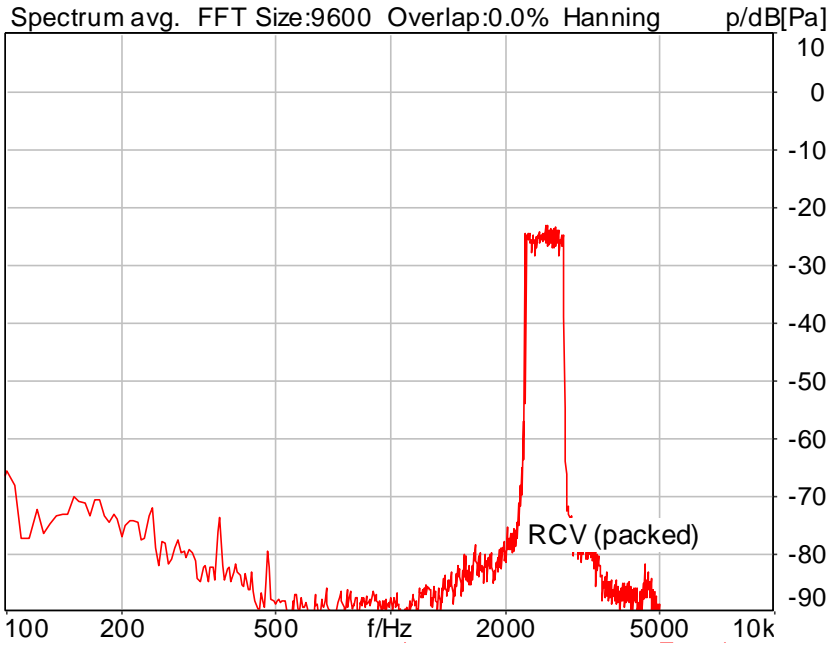
Limits

	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



Distortion (Noise) RCV (packed): 46.17 dB (0.49%) Ok

Ok

2023/10/22 下午 03:17 ACQUA 5.1.200

Limits

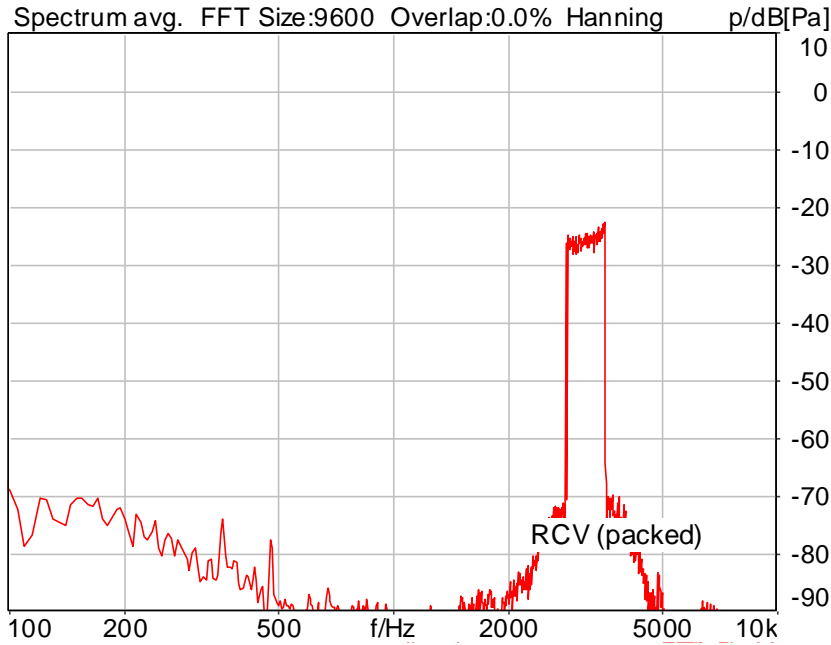
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 45.10 dB (0.56%) Ok

Ok

2023/10/22 下午 03:18 ACQUA 5.1.200

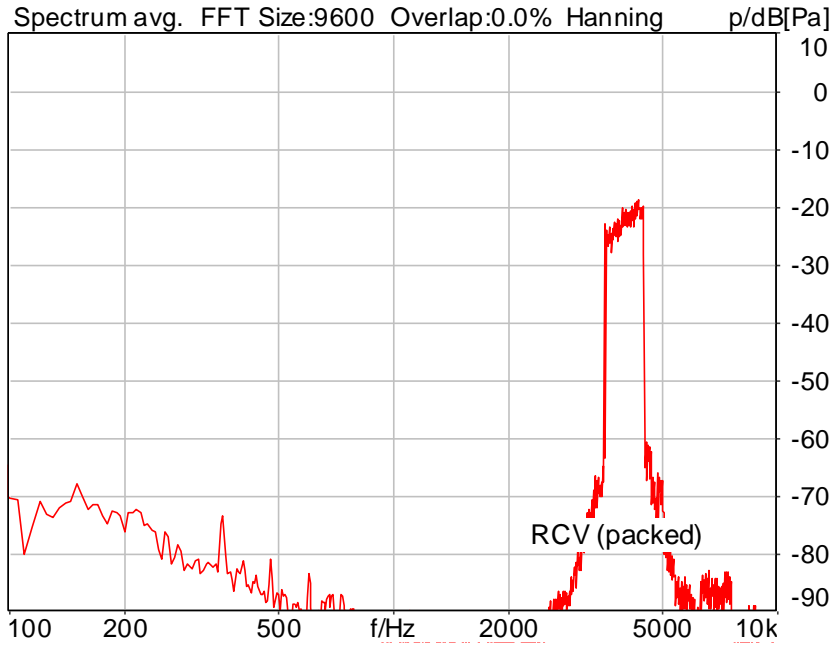
Limits

	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



Distortion (Noise) RCV (packed): 44.39 dB (0.60%) Ok

Ok

2023/10/22 下午 03:18 ACQUA 5.1.200

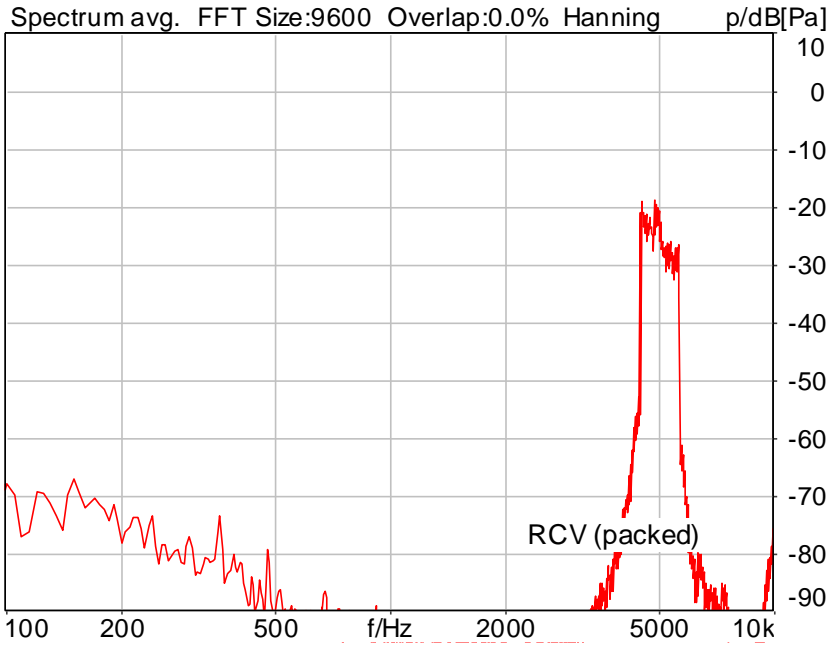
Limits

	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): 39.27 dB (1.09%) Ok

Ok

2023/10/22 下午 03:19 ACQUA 5.1.200

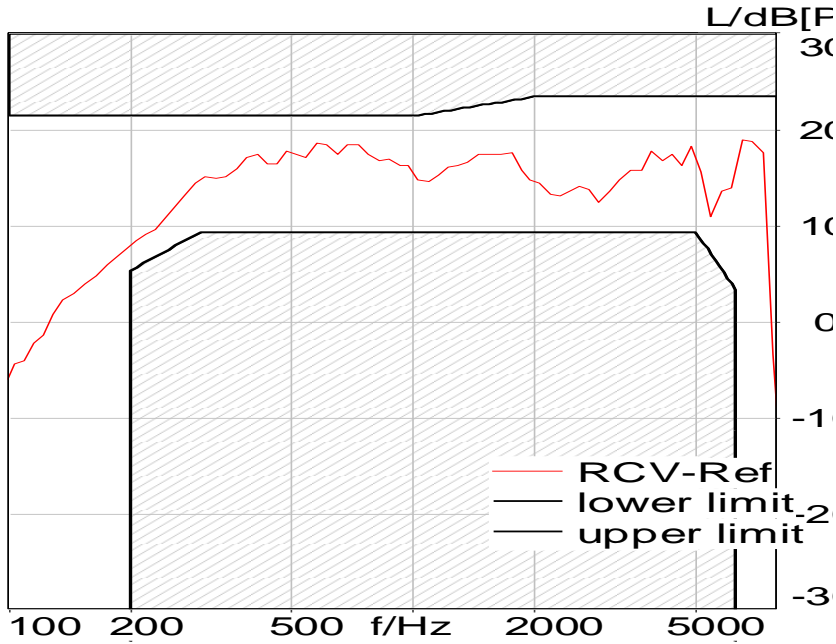
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.80 dB at 576.7 Hz Ok

Ok

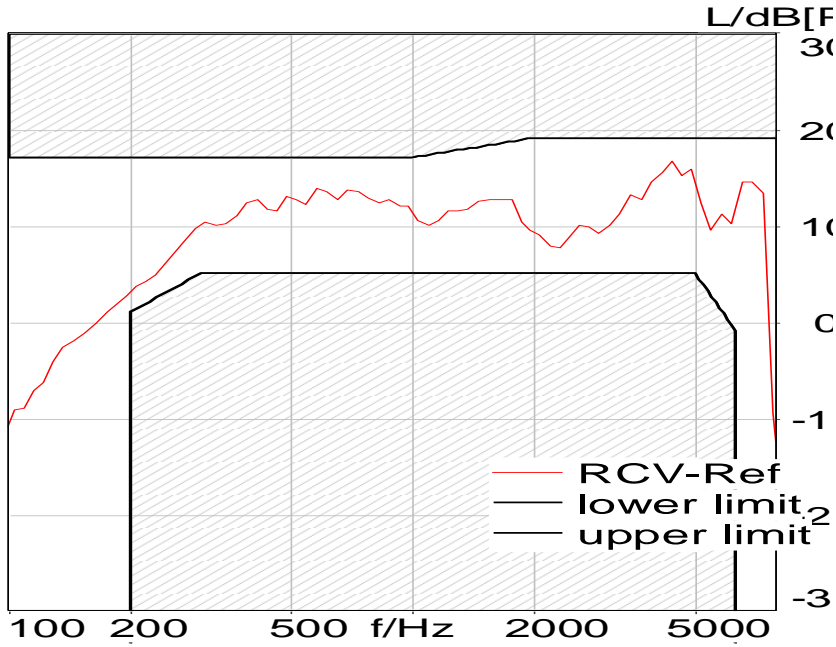
2023/10/22 下午 03:19 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.32 dB at 4369.4 Hz Ok

Ok

2023/10/22 下午 03:20 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#11 LTE Band 71 EVS WB 24.4kbps

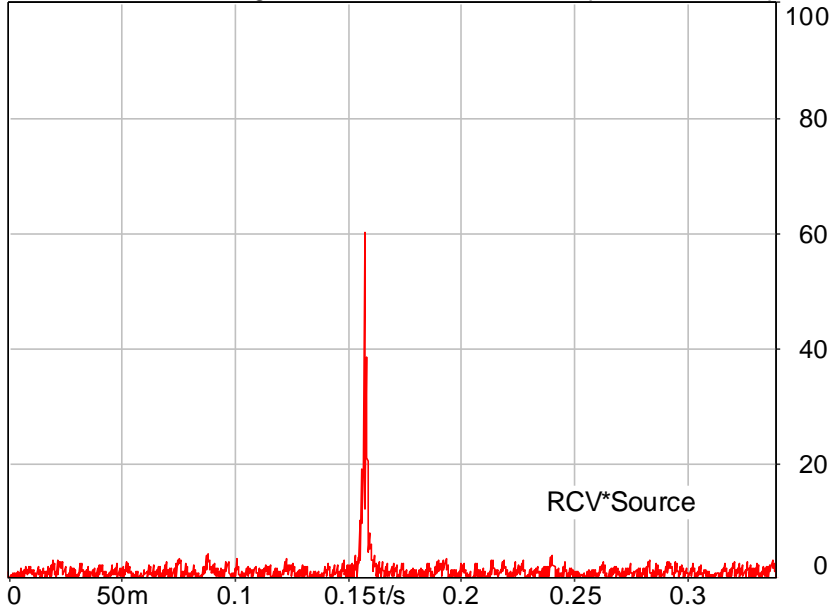
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	157.5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.31
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.94
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.12
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.95
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.64
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.93
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.01
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.00
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.23
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.21
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.87
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.01
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.23
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.18
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.25
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.89
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.10
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.09
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.97
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.12
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.93
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.26
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.37
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.20
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.27
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.20
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.06
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.01
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.40
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.24
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 731.5 Hz	2.77
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.26



### Overall Receive Delay WB

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

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



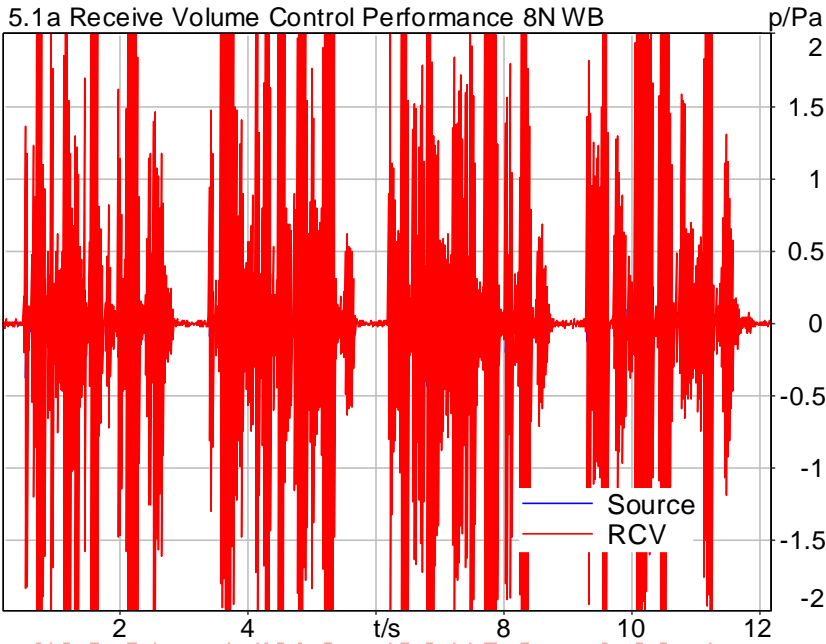
Delay (Cross): 157.5 ms

2023/10/22 下午 03:32 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.31 dB[SPL], Act.: 58.27% Ok

Ok

2023/10/22 下午 03:32 ACQUA 5.1.200

**Limits**

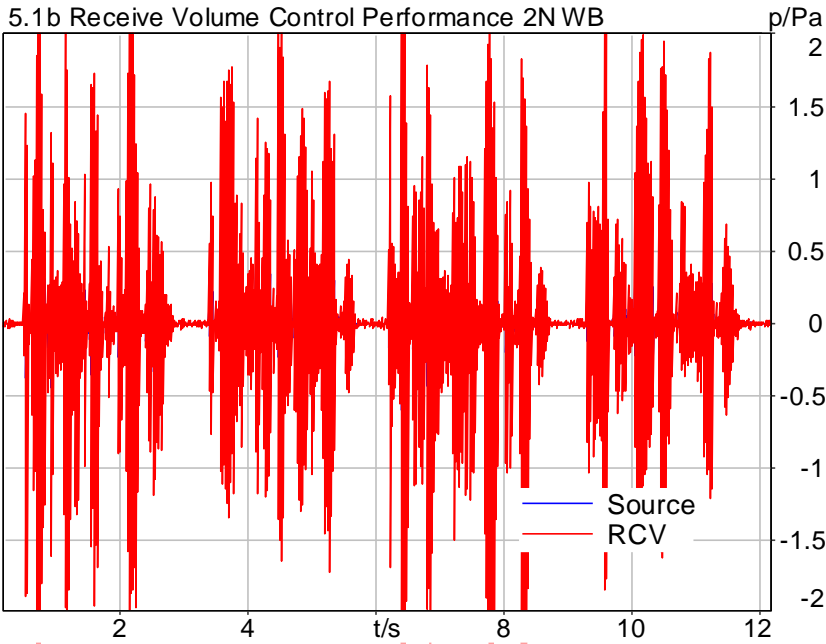
	<b>lower</b>
Run 1	88.00 dB20uPa





### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.94 dB[SPL], Act.: 25.96% Ok

Ok

2023/10/22 下午 03:33 ACQUA 5.1.200

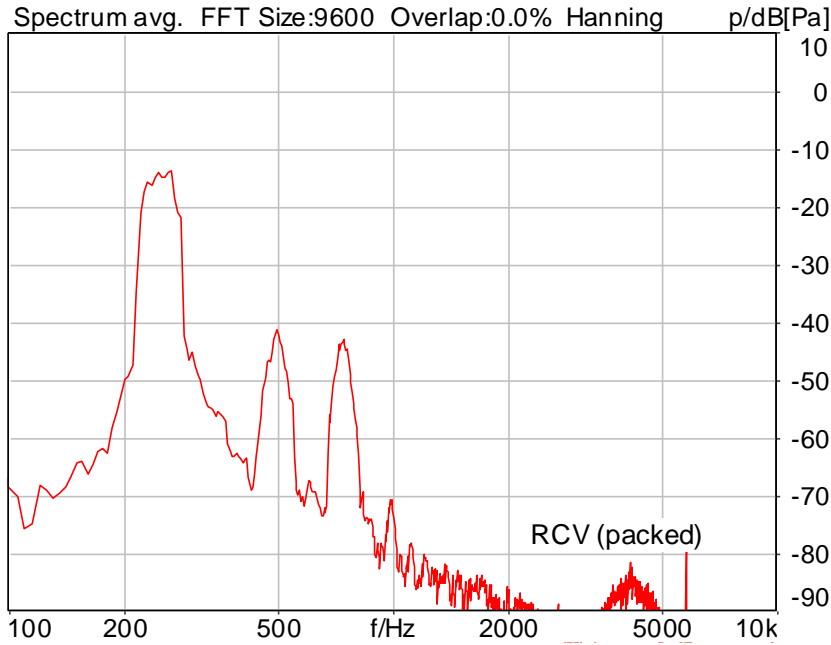
Limits

	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): 27.12 dB (4.41%) Ok

Ok

2023/10/22 下午 03:34 ACQUA 5.1.200

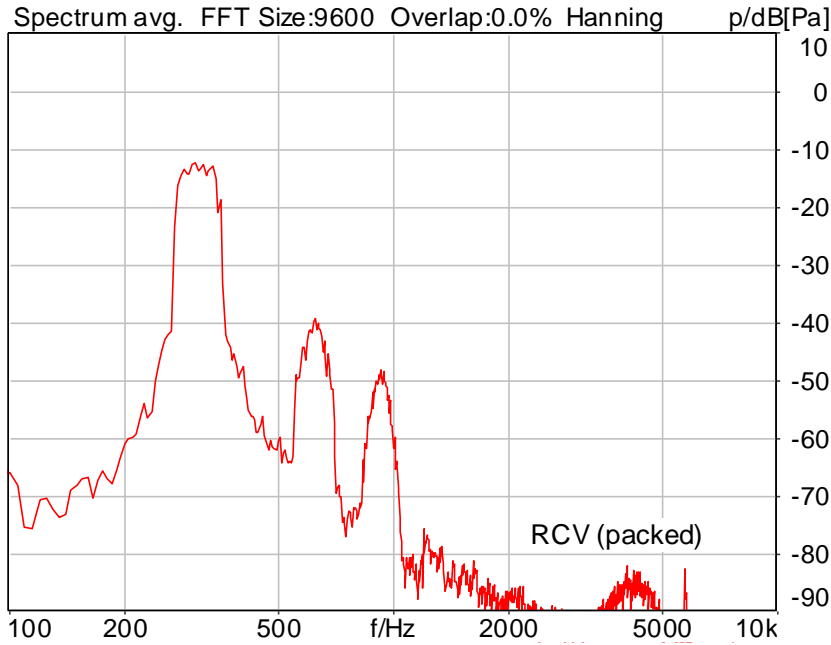
Limits

	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): 27.95 dB (4.00%) Ok

Ok

2023/10/22 下午 03:34 ACQUA 5.1.200

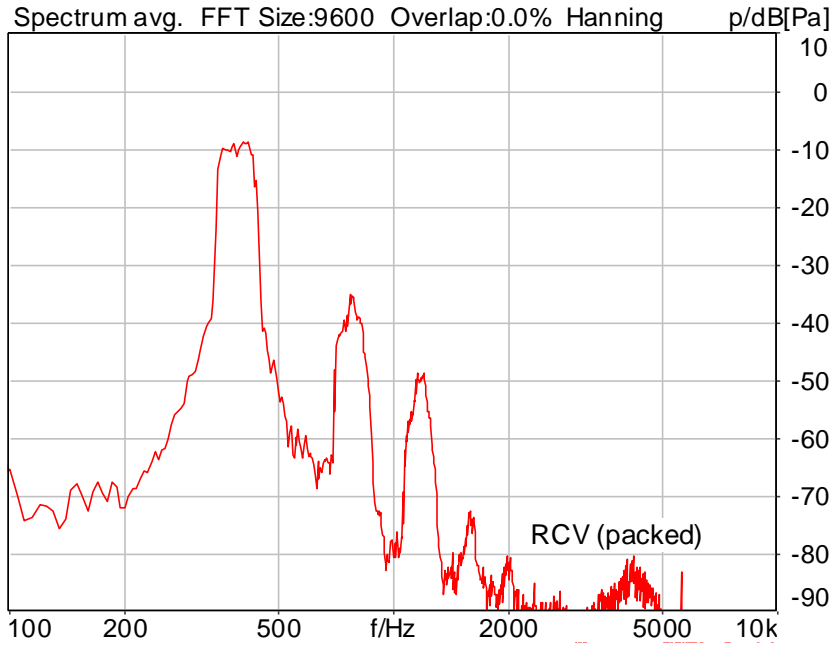
Limits

	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): 27.64 dB (4.15%) Ok

Ok

2023/10/22 下午 03:35 ACQUA 5.1.200

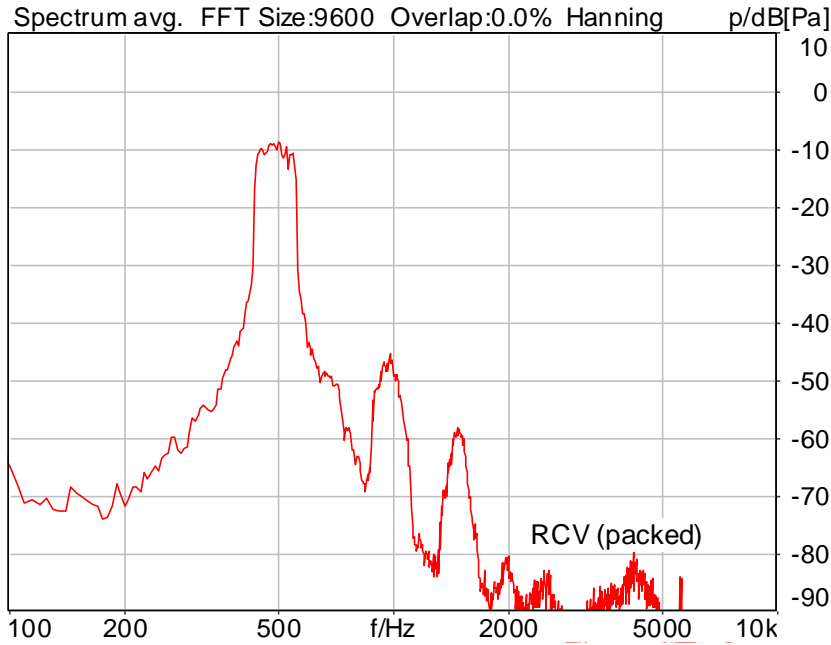
Limits

	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): 33.93 dB (2.01%) Ok

Ok

2023/10/22 下午 03:35 ACQUA 5.1.200

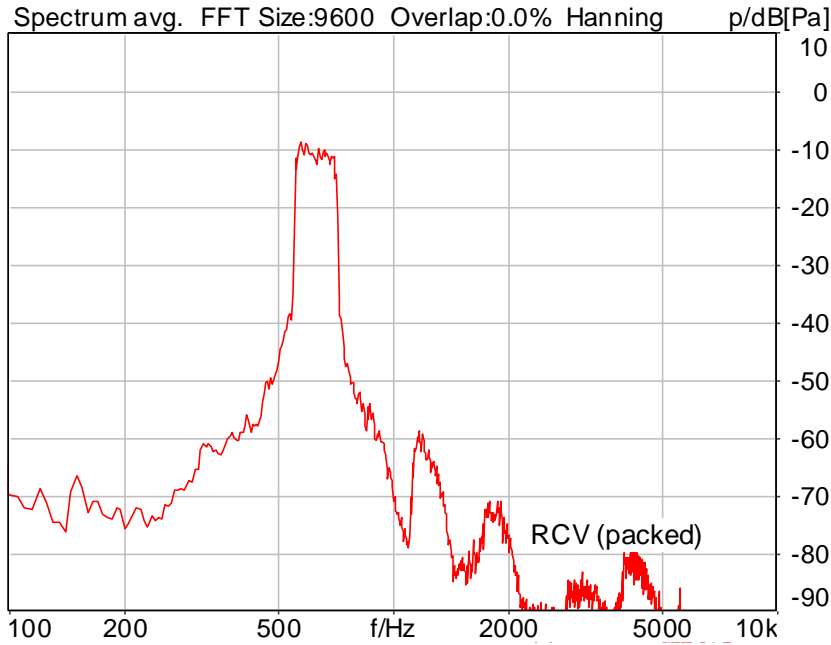
Limits

	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



Distortion (Noise) RCV (packed): 39.01 dB (1.12%) Ok

Ok

2023/10/22 下午 03:36 ACQUA 5.1.200

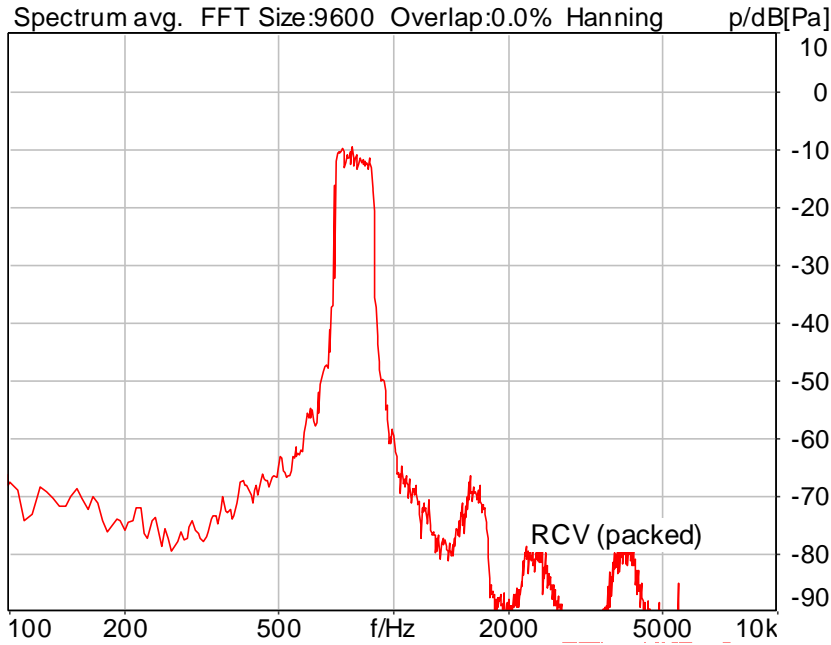
Limits

	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): 42.00 dB (0.79%) Ok

Ok

2023/10/22 下午 03:36 ACQUA 5.1.200

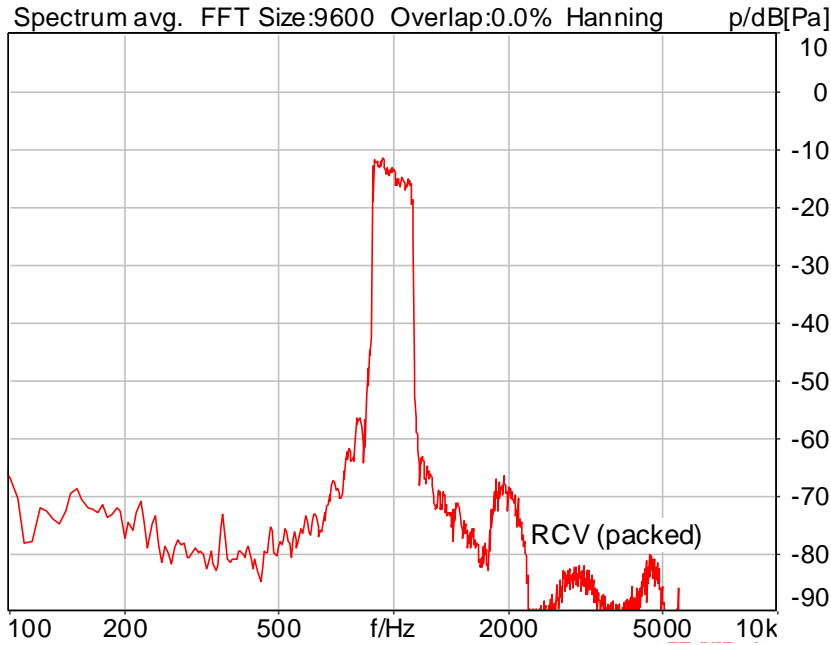
Limits

	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



Distortion (Noise) RCV (packed): 46.23 dB (0.49%) Ok

Ok

2023/10/22 下午 03:37 ACQUA 5.1.200

Limits

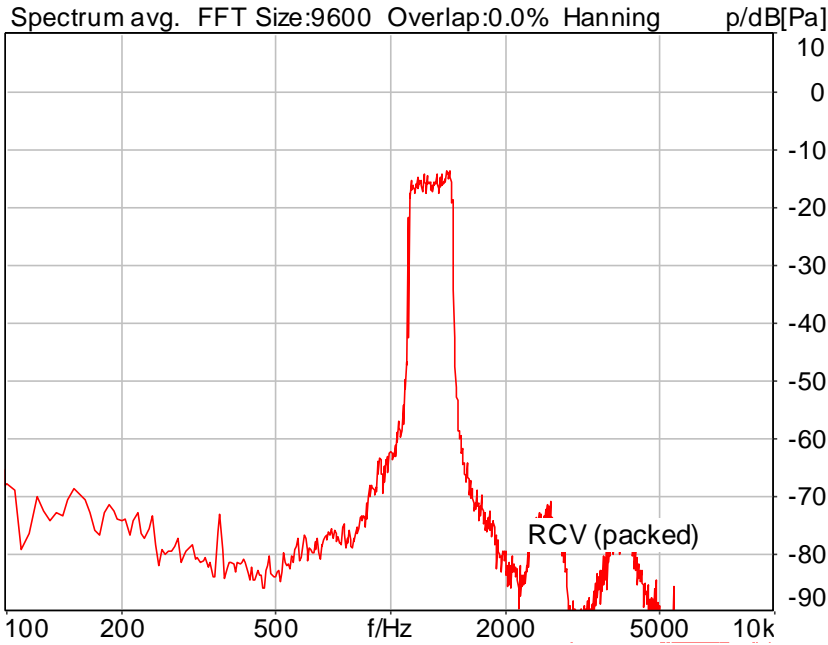
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 34.21 dB (1.95%) Ok

Ok

2023/10/22 下午 03:37 ACQUA 5.1.200

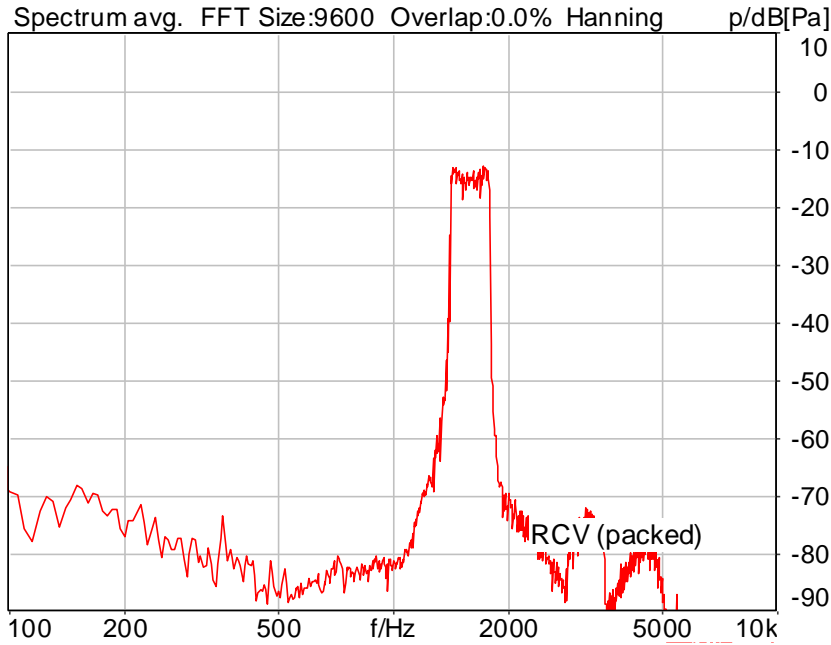
Limits

	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



Distortion (Noise) RCV (packed): 44.87 dB (0.57%) Ok

Ok

2023/10/22 下午 03:38 ACQUA 5.1.200

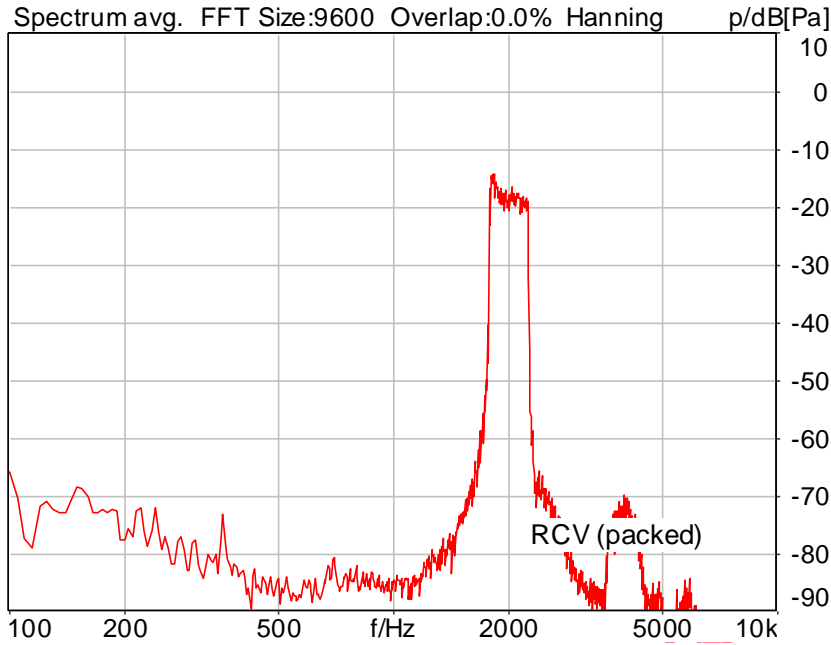
Limits

	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): 43.01 dB (0.71%) Ok

Ok

2023/10/22 下午 03:38 ACQUA 5.1.200

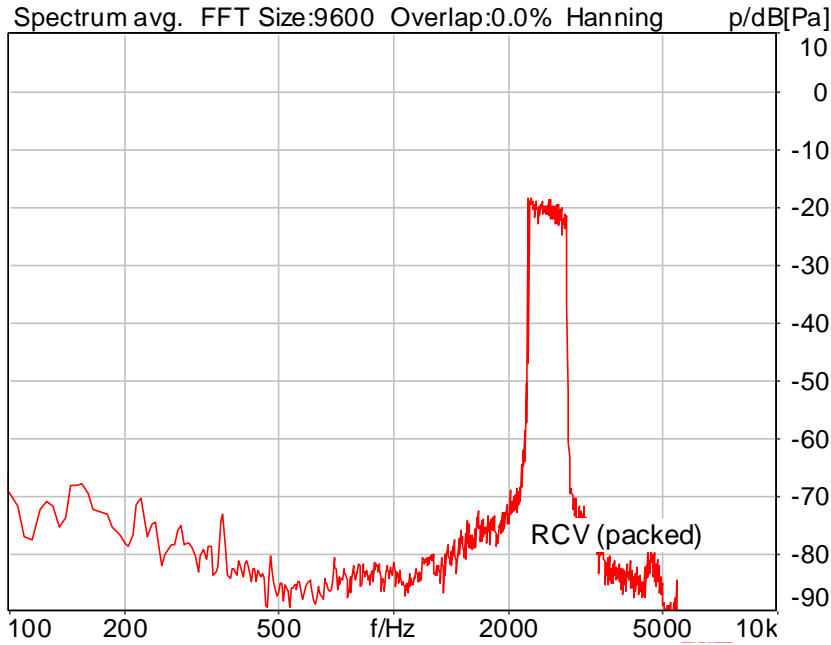
Limits

	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



Distortion (Noise) RCV (packed): 46.23 dB (0.49%) Ok

Ok

2023/10/22 下午 03:39 ACQUA 5.1.200

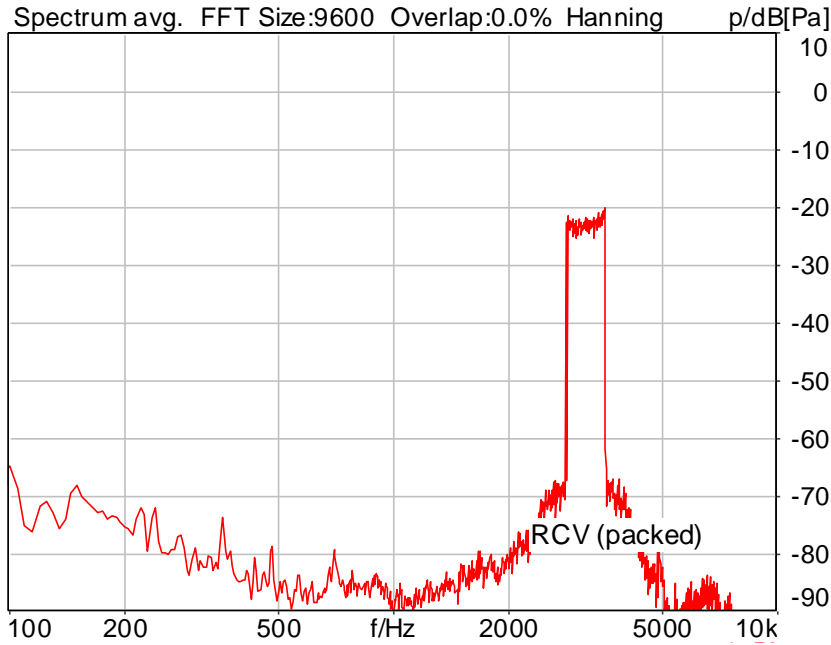
Limits

	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



Distortion (Noise) RCV (packed): 44.18 dB (0.62%) Ok

Ok

2023/10/22 下午 03:39 ACQUA 5.1.200

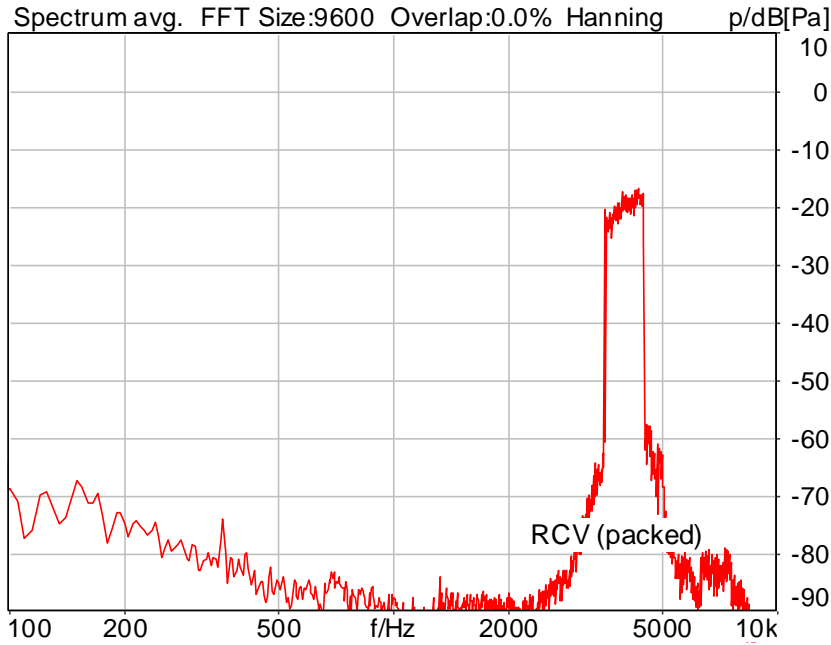
Limits

	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): 43.25 dB (0.69%) Ok

Ok

2023/10/22 下午 03:40 ACQUA 5.1.200

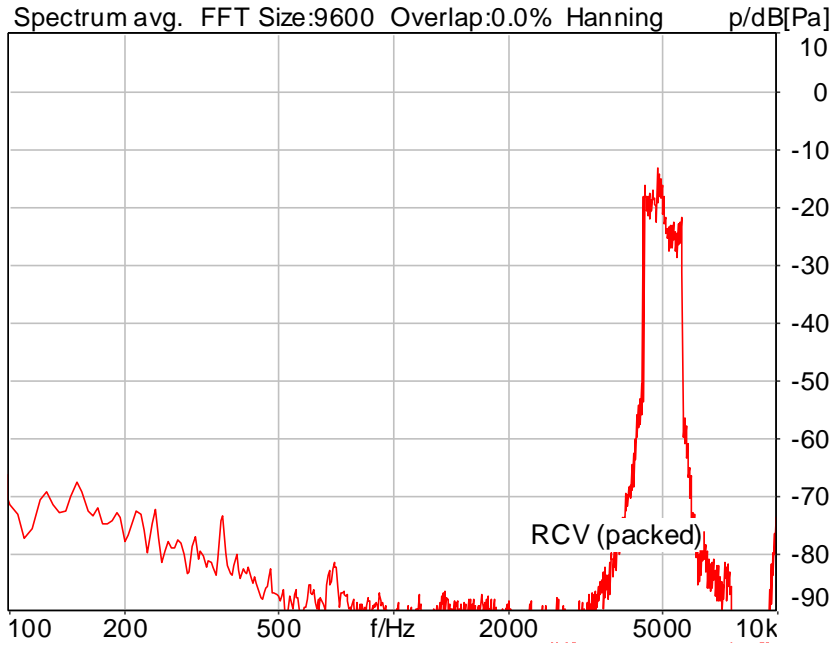
Limits

	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



Distortion (Noise) RCV (packed): 40.89 dB (0.90%) Ok

Ok

2023/10/22 下午 03:40 ACQUA 5.1.200

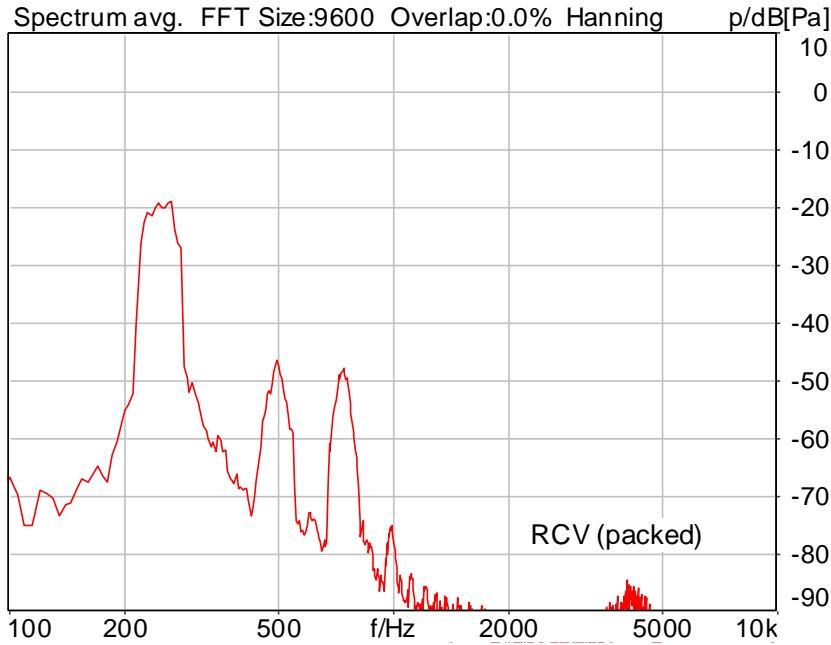
Limits

	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



Distortion (Noise) RCV (packed): 27.10 dB (4.42%) Ok

Ok

2023/10/22 下午 03:41 ACQUA 5.1.200

Limits

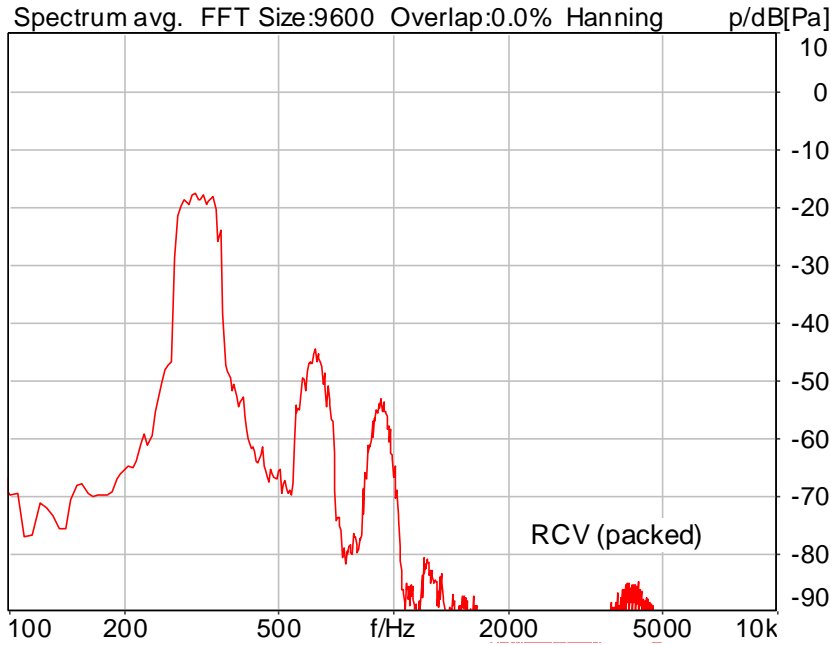
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 28.09 dB (3.94%) Ok

Ok

2023/10/22 下午 03:42 ACQUA 5.1.200

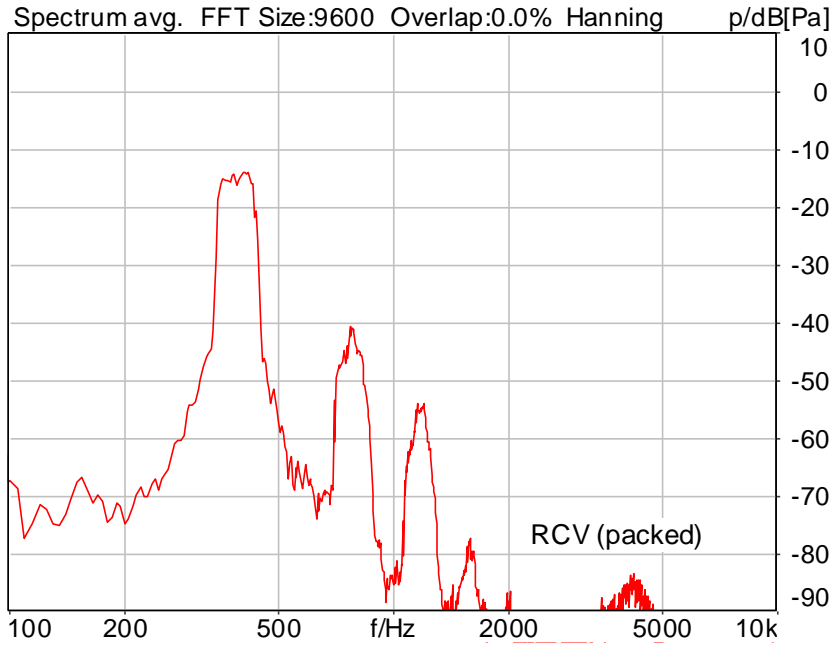
Limits

	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



Distortion (Noise) RCV (packed): 27.97 dB (3.99%) Ok

Ok

2023/10/22 下午 03:42 ACQUA 5.1.200

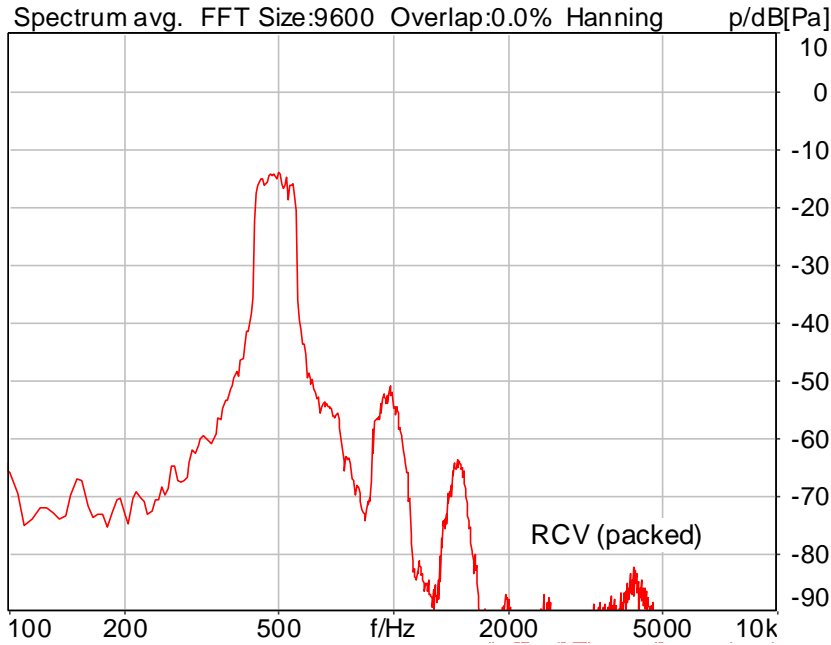
Limits

	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



Distortion (Noise) RCV (packed): 34.12 dB (1.97%) Ok

Ok

2023/10/22 下午 03:43 ACQUA 5.1.200

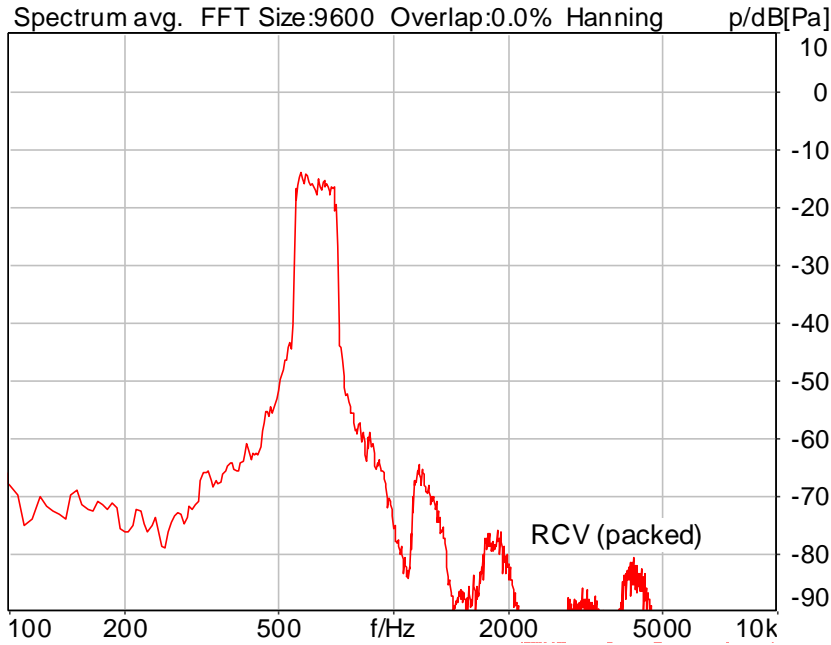
Limits

	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): 38.93 dB (1.13%) Ok

Ok

2023/10/22 下午 03:43 ACQUA 5.1.200

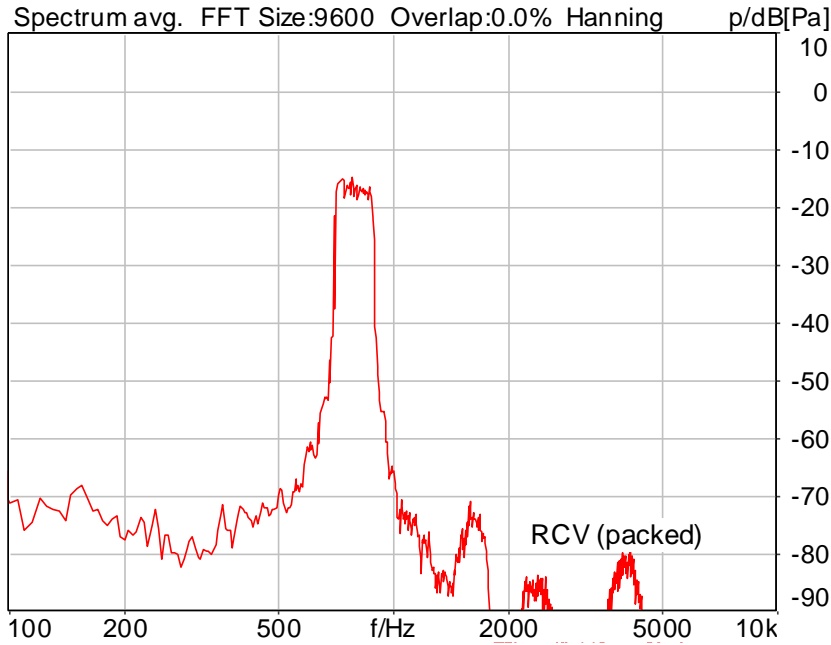
Limits

	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): 42.26 dB (0.77%) Ok

Ok

2023/10/22 下午 03:43 ACQUA 5.1.200

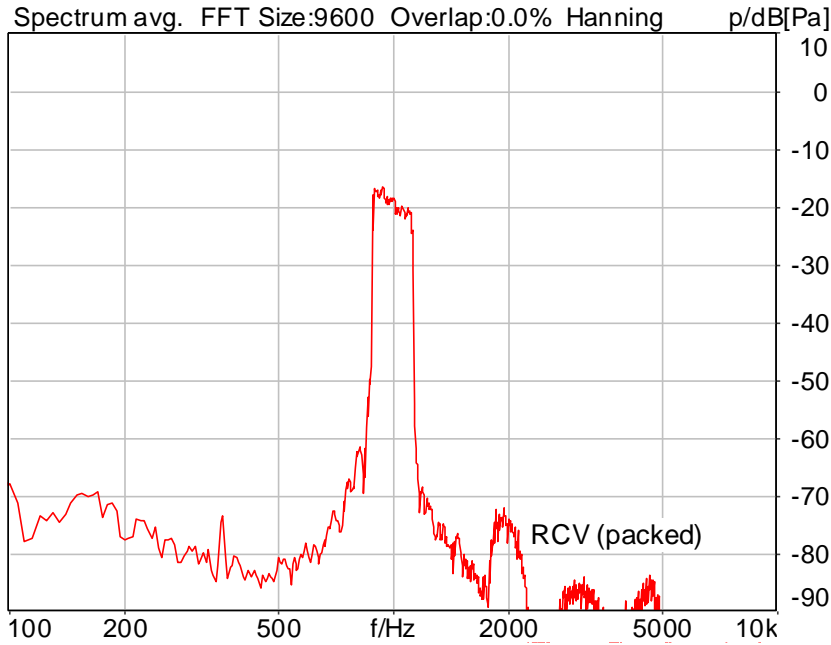
Limits

	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



Distortion (Noise) RCV (packed): 46.37 dB (0.48%) Ok

Ok

2023/10/22 下午 03:44 ACQUA 5.1.200

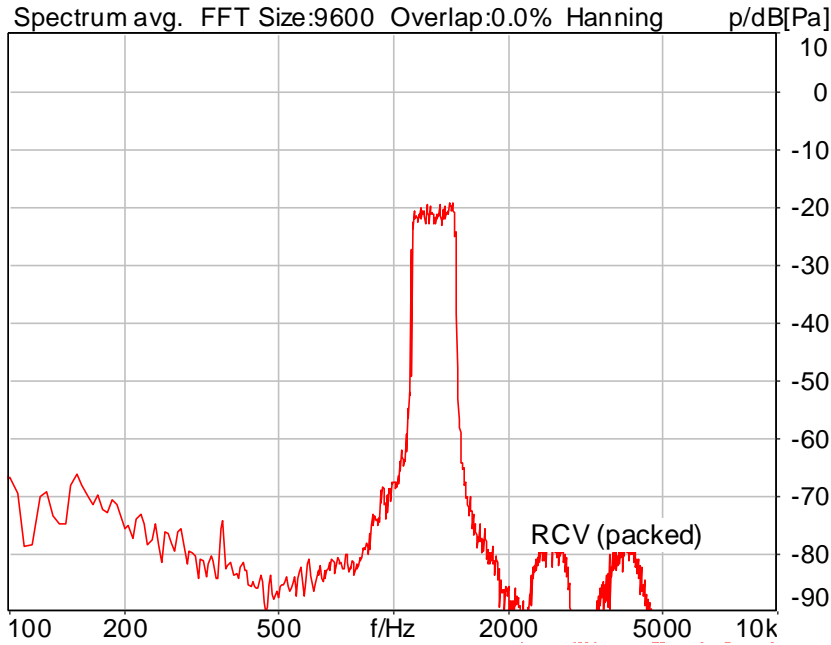
Limits

	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): 33.20 dB (2.19%) Ok

Ok

2023/10/22 下午 03:44 ACQUA 5.1.200

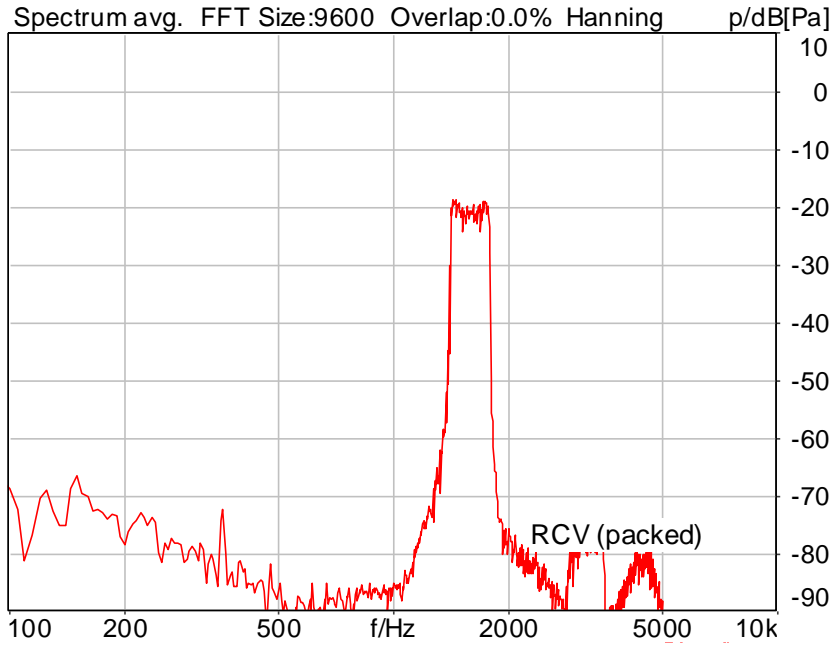
Limits

	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



Distortion (Noise) RCV (packed): 44.27 dB (0.61%) Ok

Ok

2023/10/22 下午 03:45 ACQUA 5.1.200

Limits

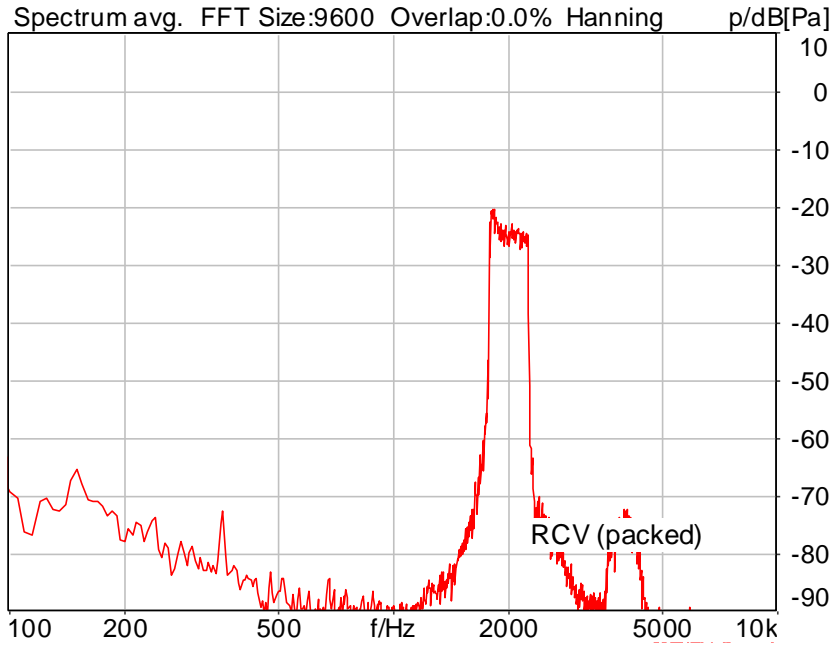
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 41.20 dB (0.87%) Ok

Ok

2023/10/22 下午 03:45 ACQUA 5.1.200

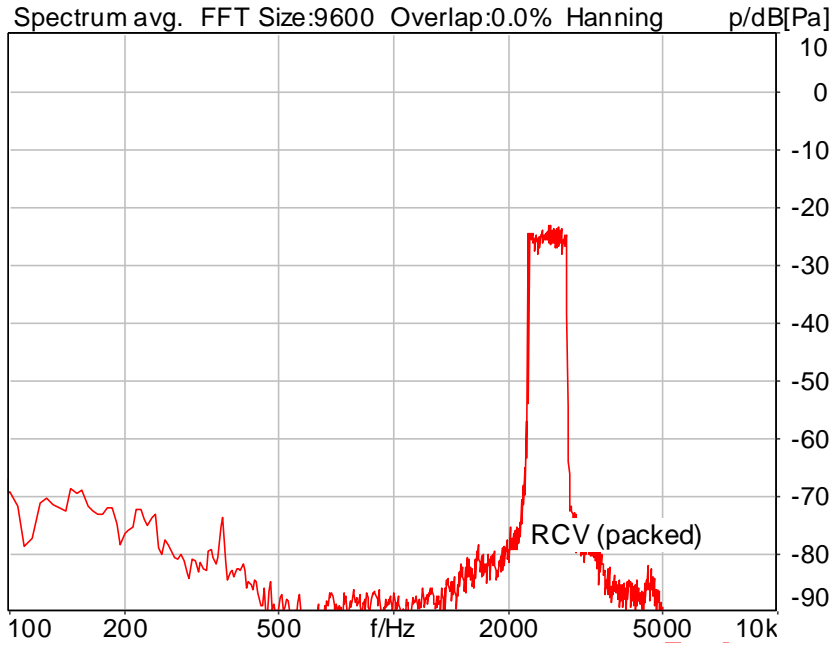
Limits

	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



Distortion (Noise) RCV (packed): 46.06 dB (0.50%) Ok

Ok

2023/10/22 下午 03:46 ACQUA 5.1.200

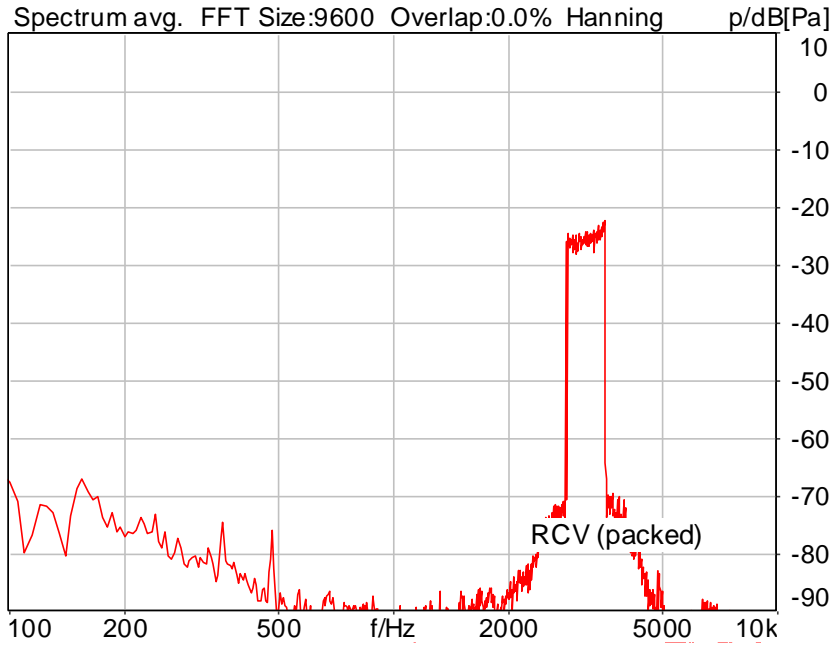
Limits

	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



Distortion (Noise) RCV (packed): 45.01 dB (0.56%) Ok

Ok

2023/10/22 下午 03:46 ACQUA 5.1.200

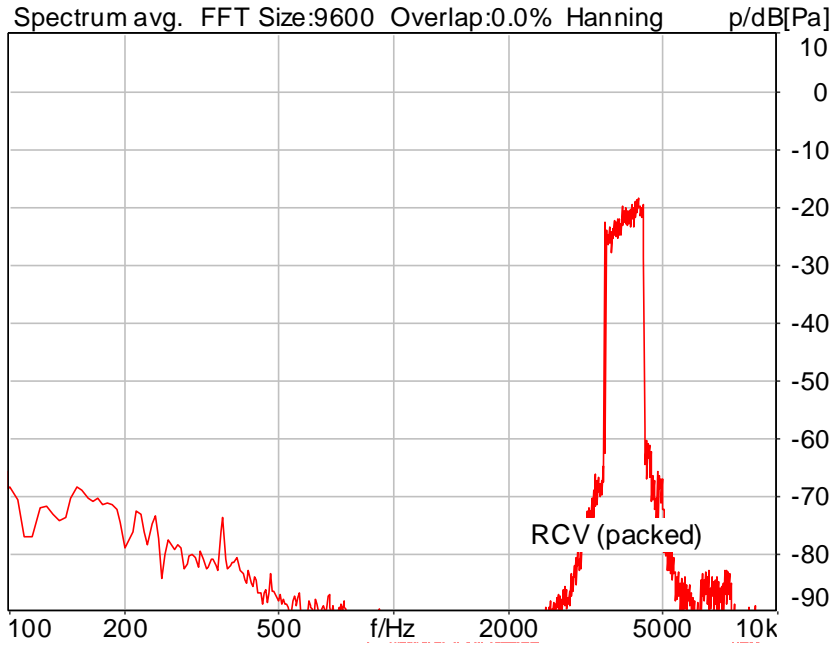
Limits

	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



Distortion (Noise) RCV (packed): 44.40 dB (0.60%) Ok

Ok

2023/10/22 下午 03:47 ACQUA 5.1.200

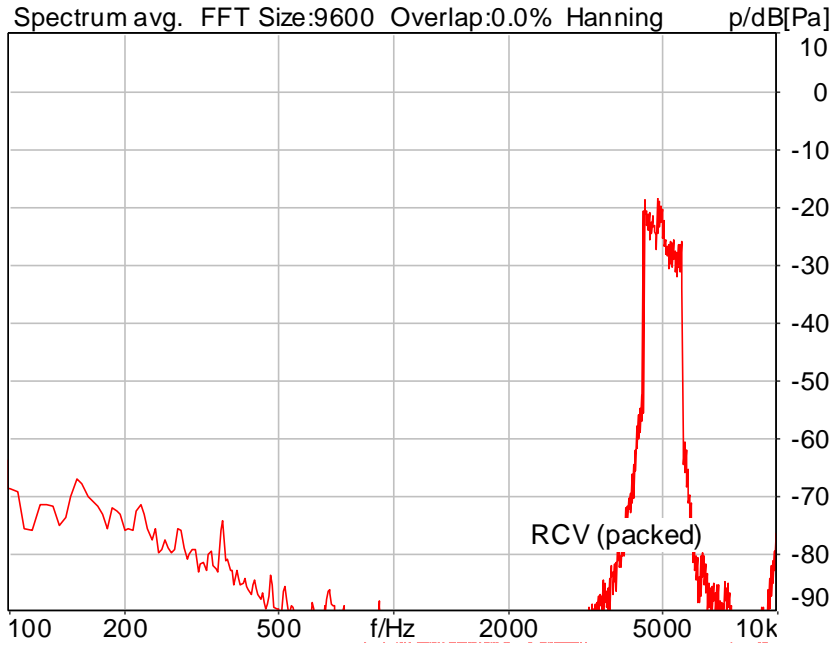
Limits

	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): 39.24 dB (1.09%) Ok

Ok

2023/10/22 下午 03:47 ACQUA 5.1.200

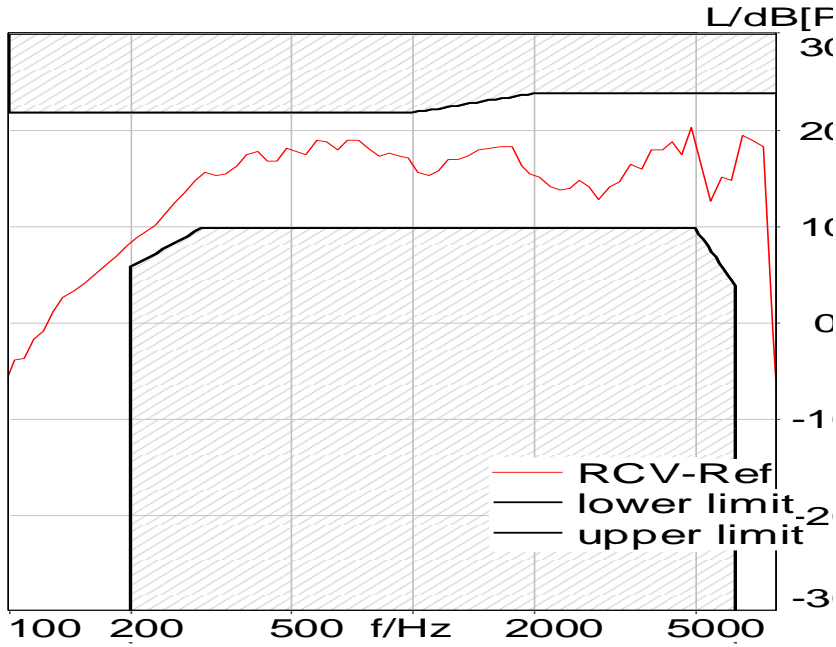
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.77 dB at 731.5 Hz Ok

Ok

2023/10/22 下午 03:48 ACQUA 5.1.200

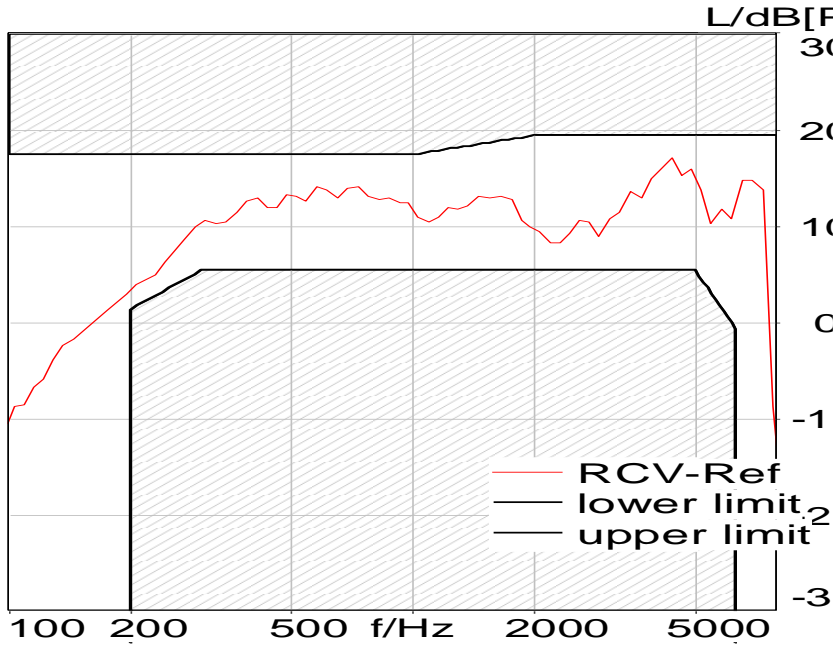
#### Limits

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.26 dB at 4369.4 Hz Ok

Ok

2023/10/22 下午 03:49 ACQUA 5.1.200

#### Limits

	lower
Run 1	Fit into tolerance



#12 FR1 n7 EVS WB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	163.2
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.13
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.15
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.58
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.64
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.35
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.24
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.85
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.90
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.30
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.15
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.81
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.10
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.11
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.31
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.49
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.38
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.48
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.64
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.50
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.37
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.22
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.82
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.24
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.02
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.21
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.20
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.98
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.83
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.40
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.34
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	2.53
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	1.90

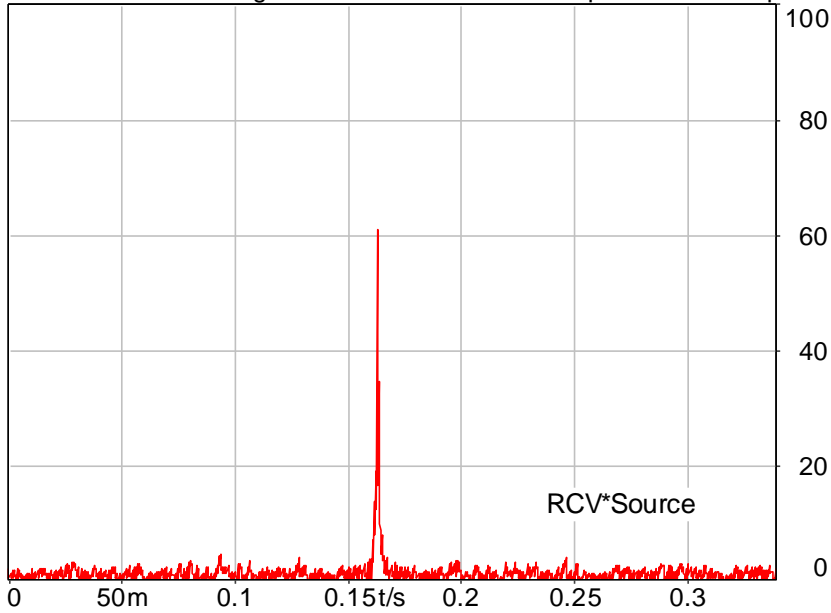




### Overall Receive Delay WB

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

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



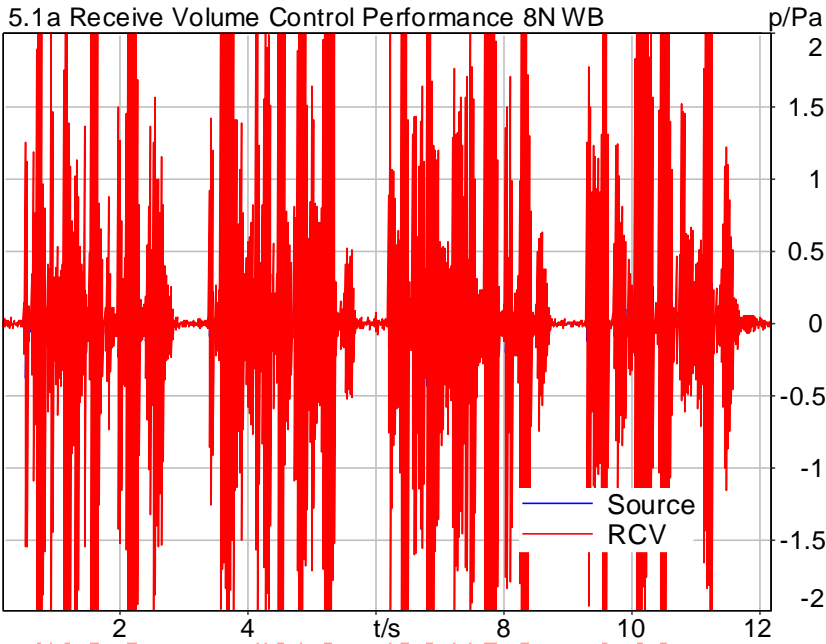
Delay (Cross): 163.2 ms

2023/10/19 上午 10:33 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.13 dB[SPL], Act.: 56.74% Ok

Ok

2023/10/19 上午 10:33 ACQUA 5.1.200

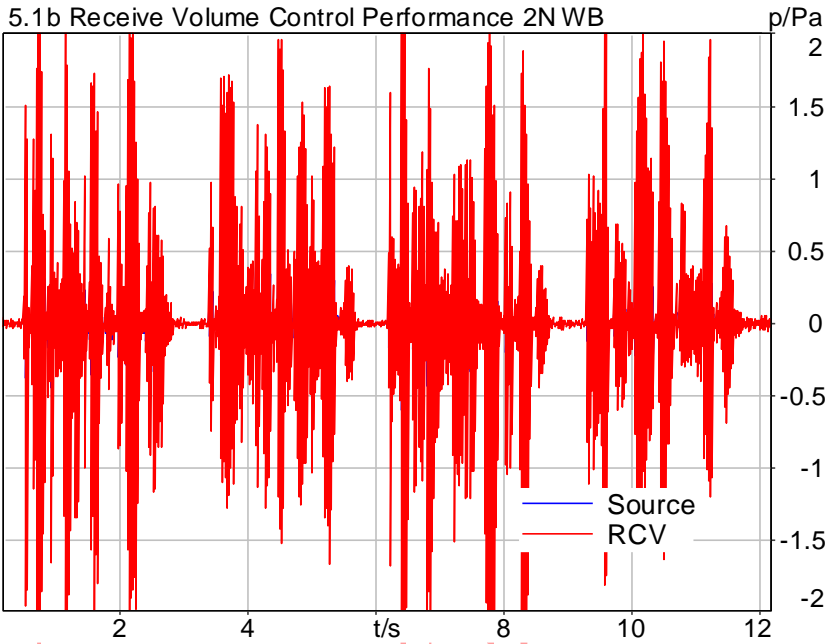
**Limits**

	<b>lower</b>
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.15 dB[SPL], Act.: 31.64% Ok

Ok

2023/10/19 上午 10:34 ACQUA 5.1.200

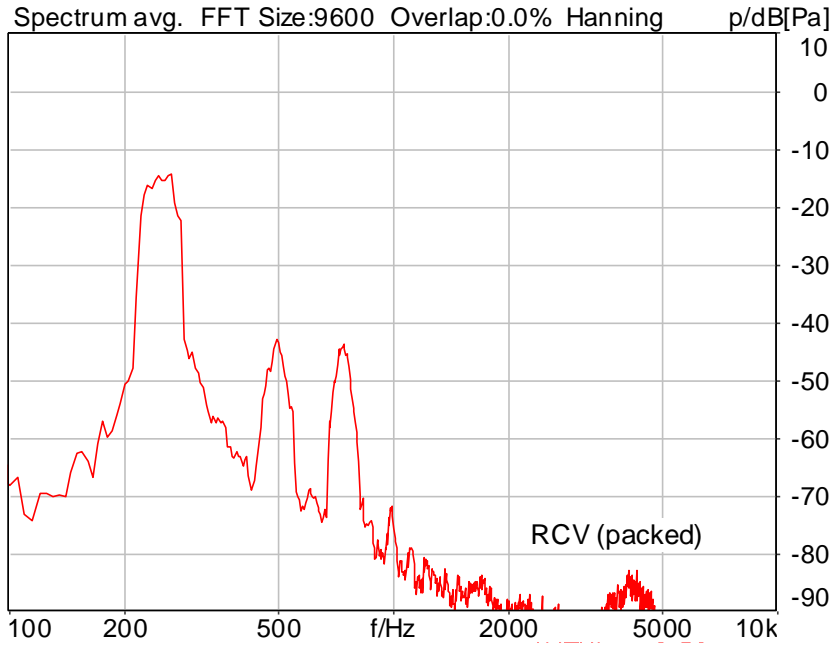
**Limits**

	<b>lower</b>
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): 27.58 dB (4.18%) Ok

Ok

2023/10/19 上午 10:34 ACQUA 5.1.200

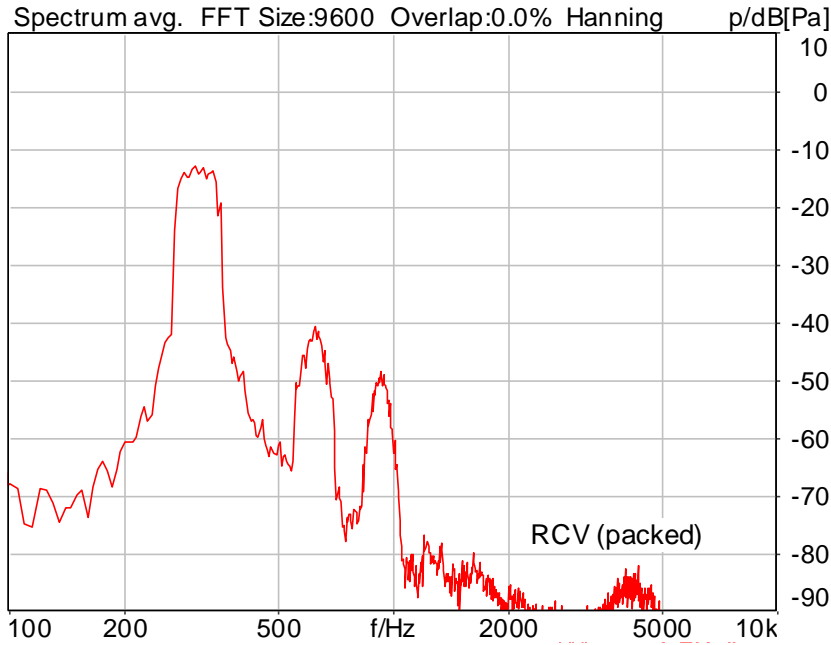
Limits

	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): 28.64 dB (3.70%) Ok

Ok

2023/10/19 上午 10:35 ACQUA 5.1.200

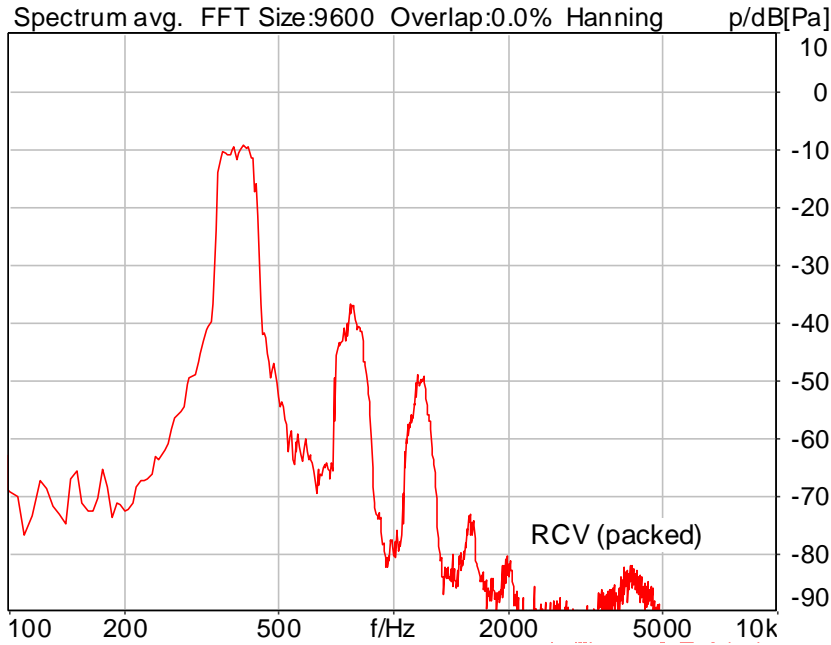
Limits

	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): 28.35 dB (3.82%) Ok

Ok

2023/10/19 上午 10:35 ACQUA 5.1.200

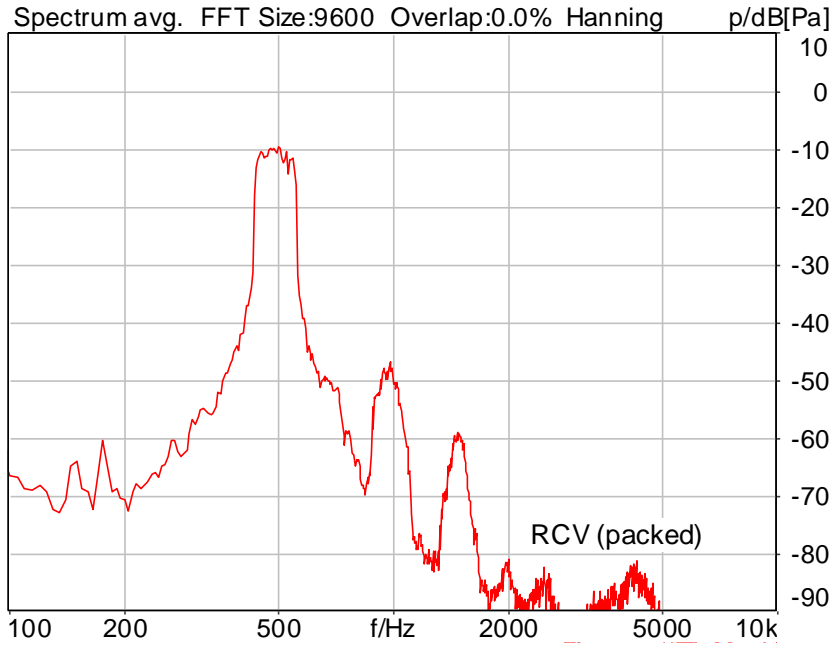
Limits

	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): 34.24 dB (1.94%) Ok

Ok

2023/10/19 上午 10:36 ACQUA 5.1.200

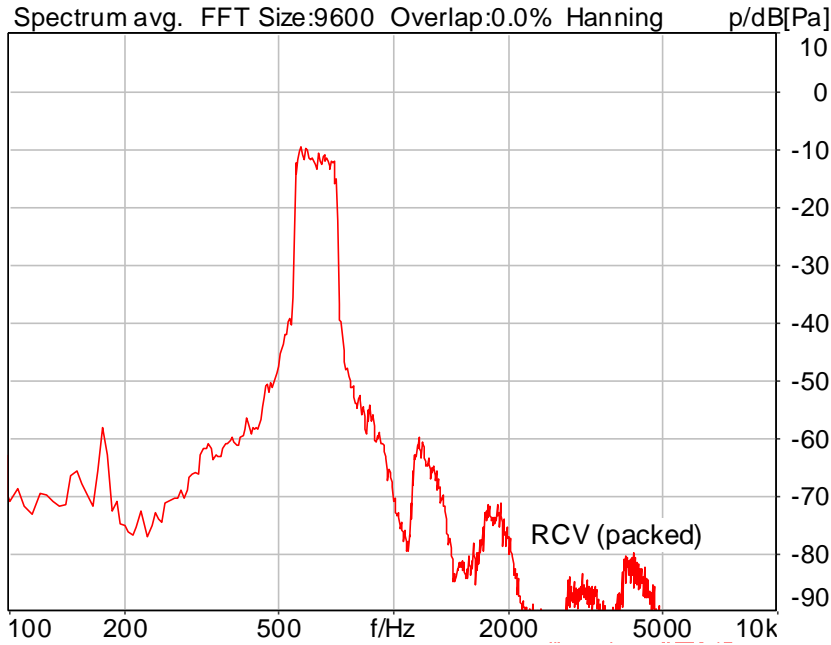
Limits

	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



Distortion (Noise) RCV (packed): 38.85 dB (1.14%) Ok

Ok

2023/10/19 上午 10:36 ACQUA 5.1.200

Limits

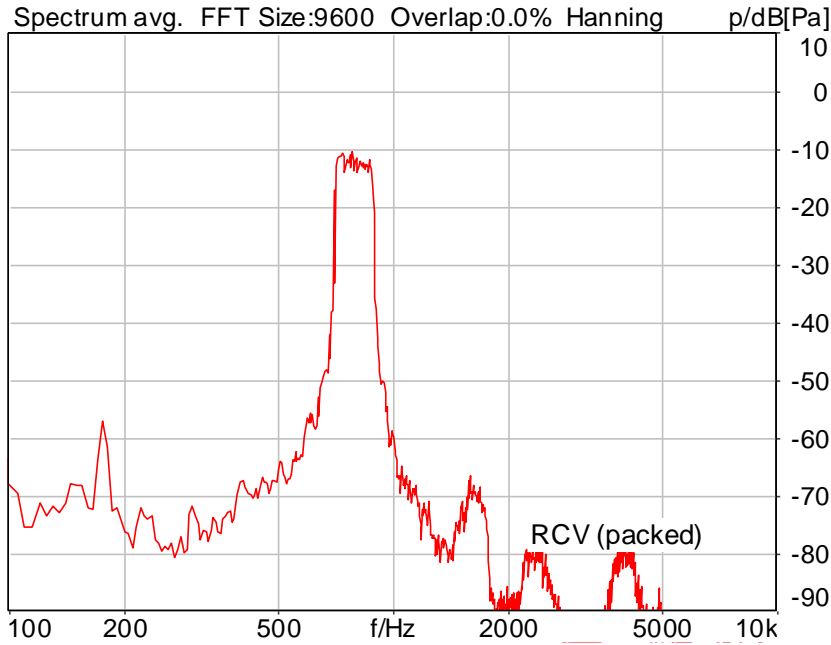
	lower
Run 1	20.00 dB





### 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): 41.90 dB (0.80%) Ok

Ok

2023/10/19 上午 10:37 ACQUA 5.1.200

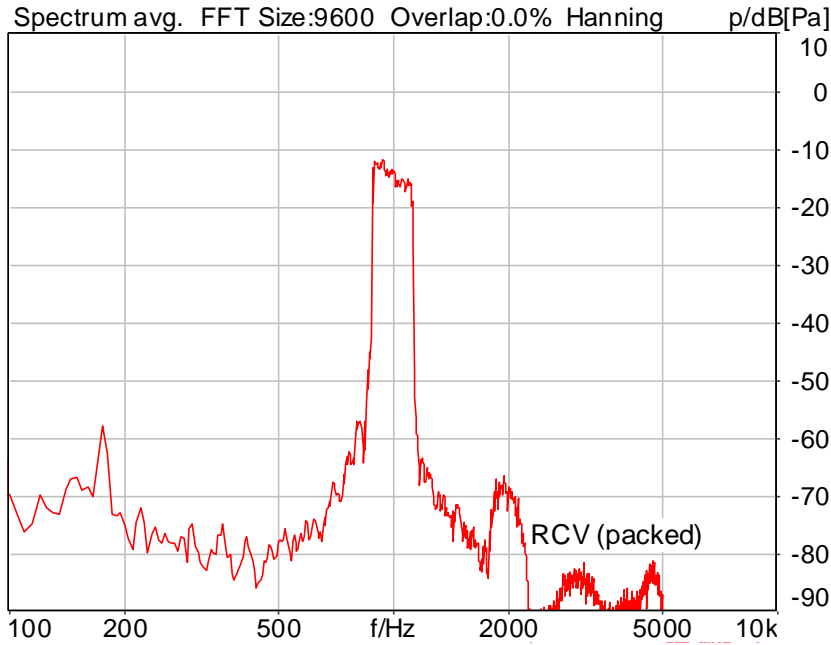
Limits

	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



Distortion (Noise) RCV (packed): 46.30 dB (0.48%) Ok

Ok

2023/10/19 上午 10:37 ACQUA 5.1.200

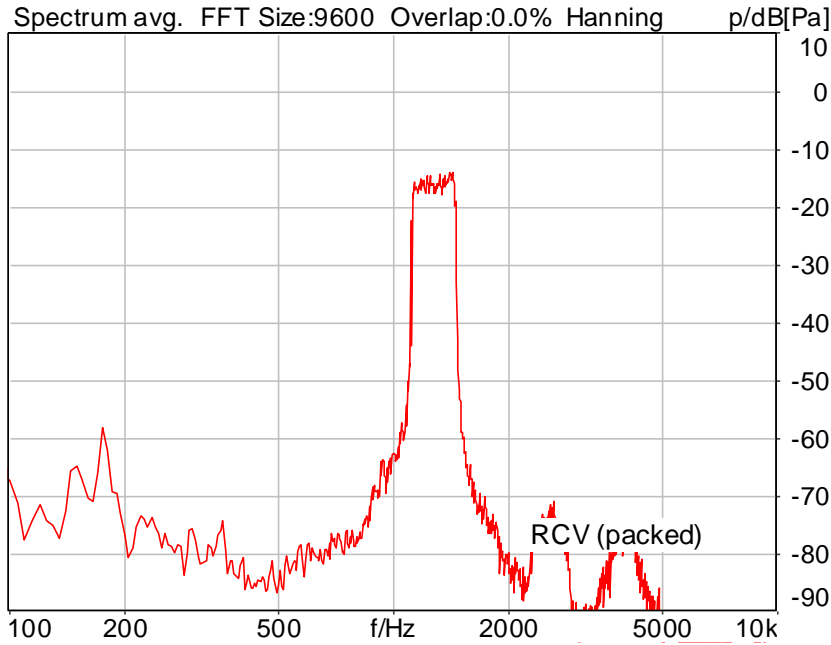
Limits

	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



Distortion (Noise) RCV (packed): 33.15 dB (2.20%) Ok

Ok

2023/10/19 上午 10:38 ACQUA 5.1.200

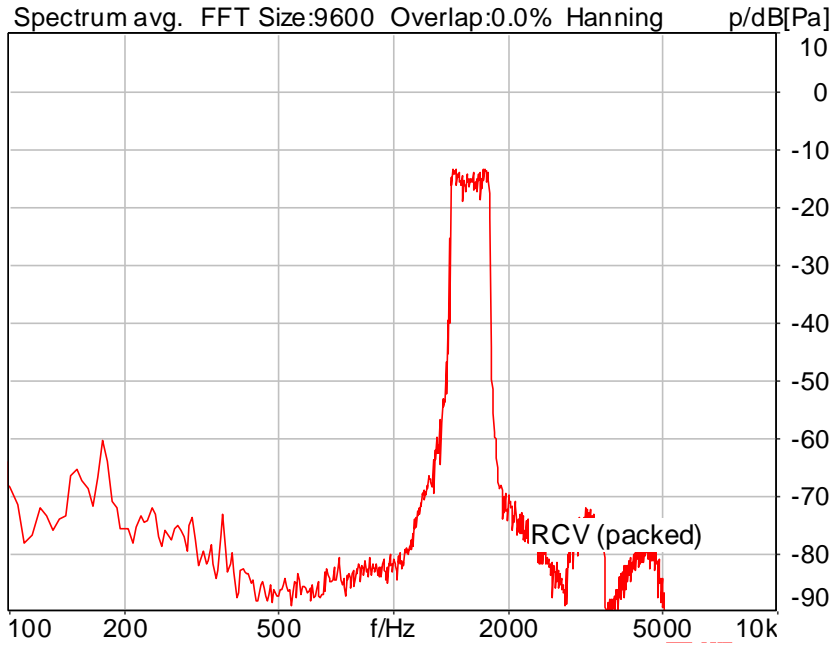
Limits

	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



Distortion (Noise) RCV (packed): 44.81 dB (0.58%) Ok

Ok

2023/10/19 上午 10:38 ACQUA 5.1.200

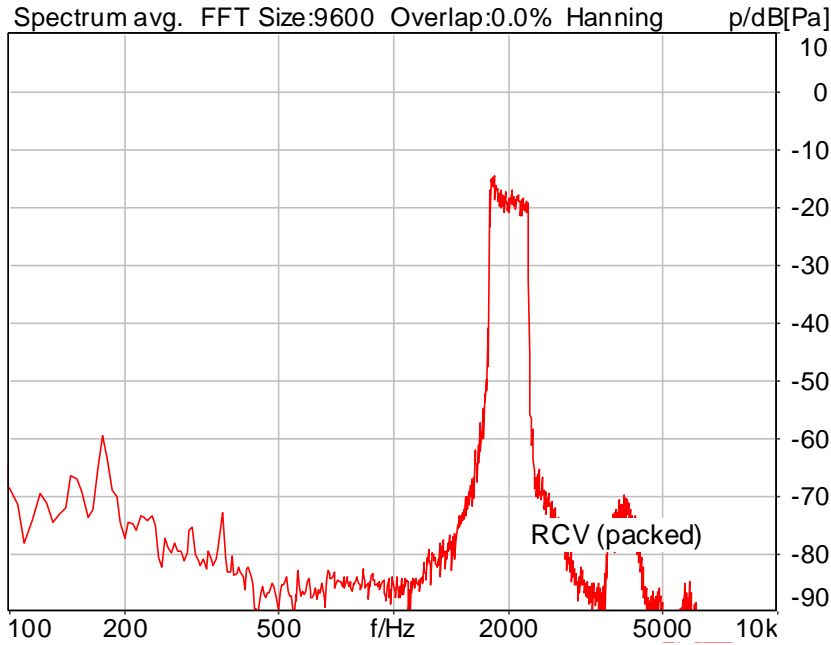
Limits

	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): 42.10 dB (0.78%) Ok

Ok

2023/10/19 上午 10:39 ACQUA 5.1.200

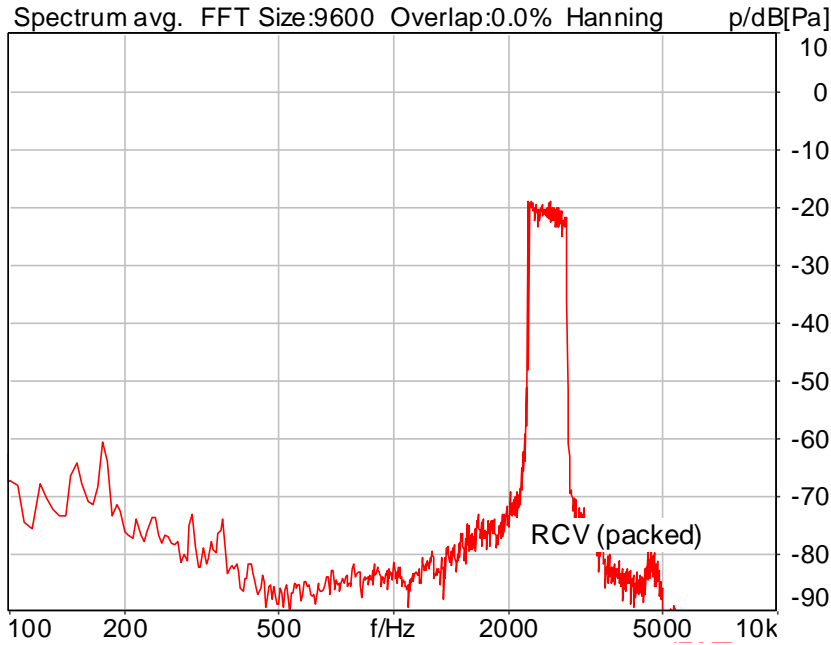
Limits

	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



Distortion (Noise) RCV (packed): 46.11 dB (0.49%) Ok

Ok

2023/10/19 上午 10:39 ACQUA 5.1.200

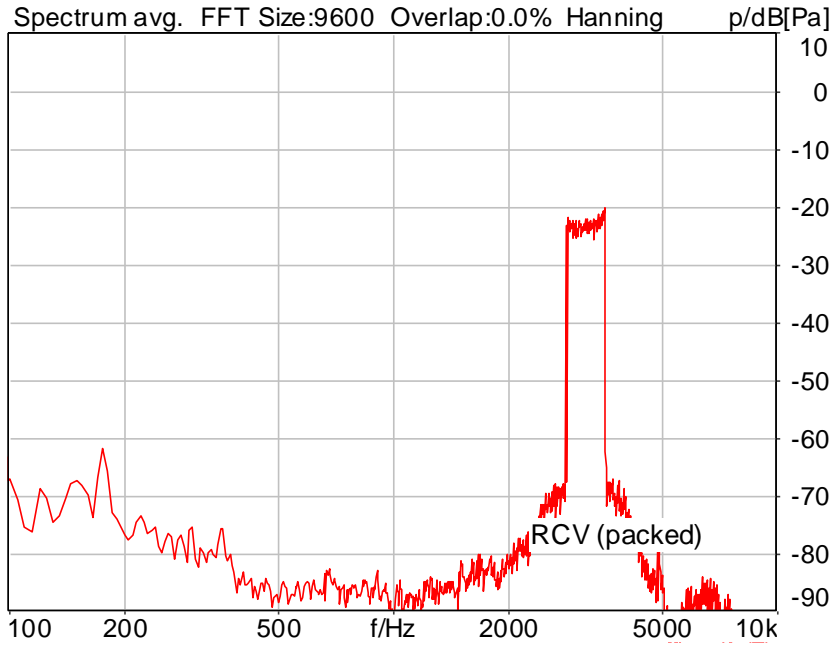
Limits

	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



Distortion (Noise) RCV (packed): 44.31 dB (0.61%) Ok

**Ok**

2023/10/19 上午 10:40 ACQUA 5.1.200

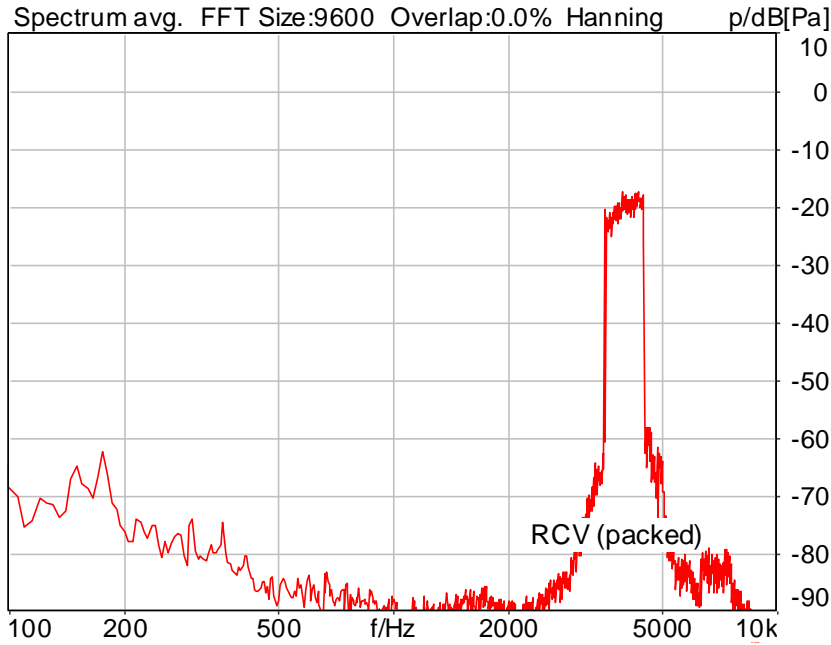
**Limits**

	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): 43.49 dB (0.67%) Ok

Ok

2023/10/19 上午 10:40 ACQUA 5.1.200

Limits

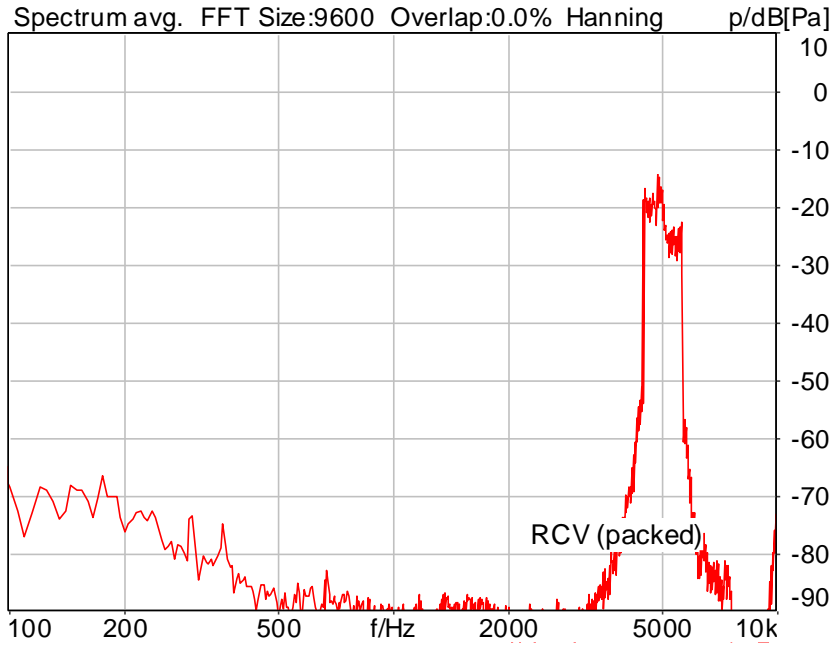
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 40.38 dB (0.96%) Ok

Ok

2023/10/19 上午 10:41 ACQUA 5.1.200

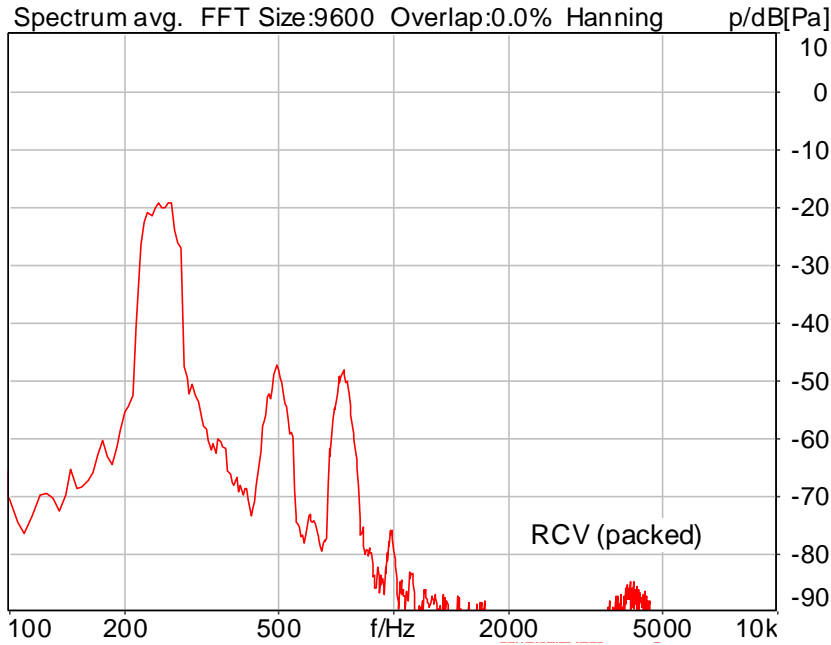
Limits

	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



Distortion (Noise) RCV (packed): 27.48 dB (4.23%) Ok

Ok

2023/10/19 上午 10:42 ACQUA 5.1.200

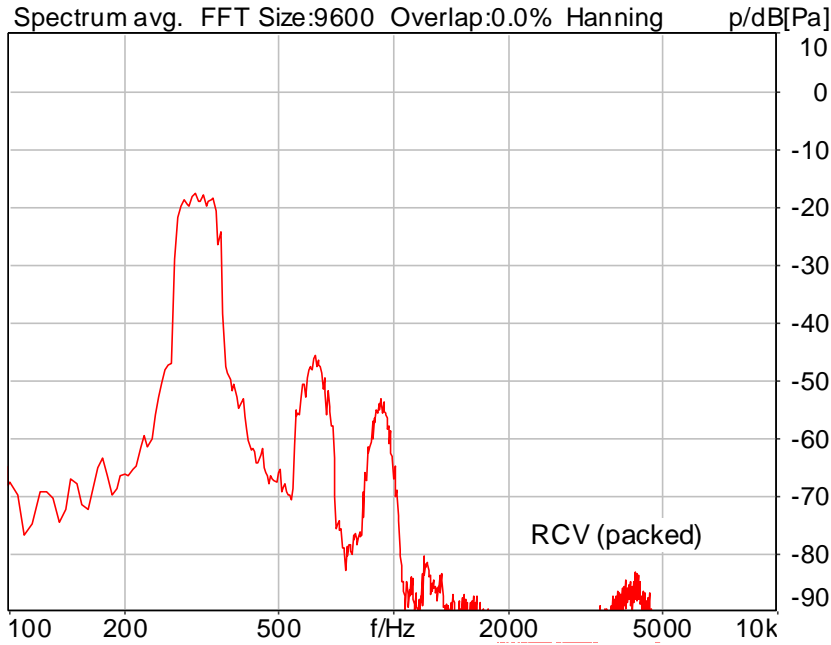
Limits

	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



Distortion (Noise) RCV (packed): 28.64 dB (3.70%) Ok

Ok

2023/10/19 上午 10:42 ACQUA 5.1.200

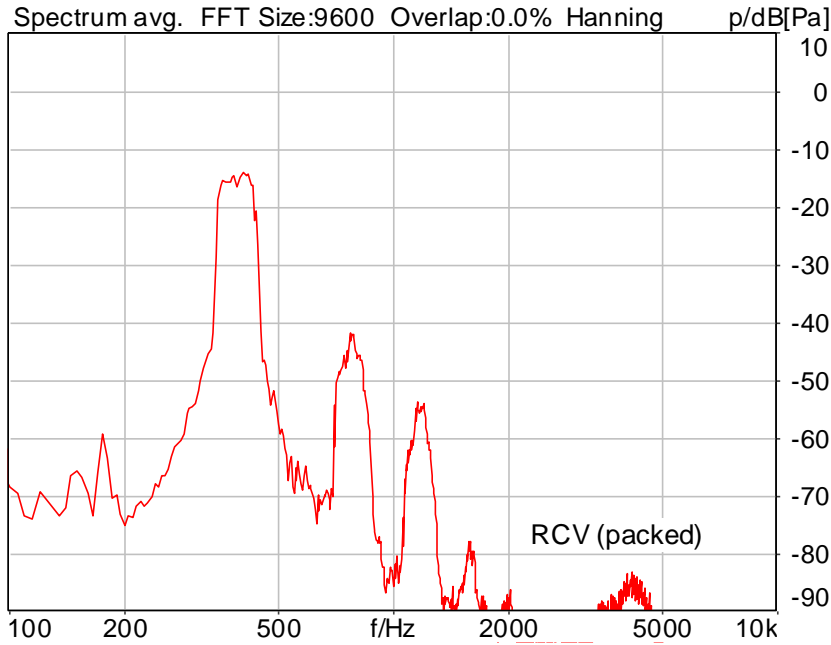
Limits

	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



Distortion (Noise) RCV (packed): 28.50 dB (3.76%) Ok

Ok

2023/10/19 上午 10:43 ACQUA 5.1.200

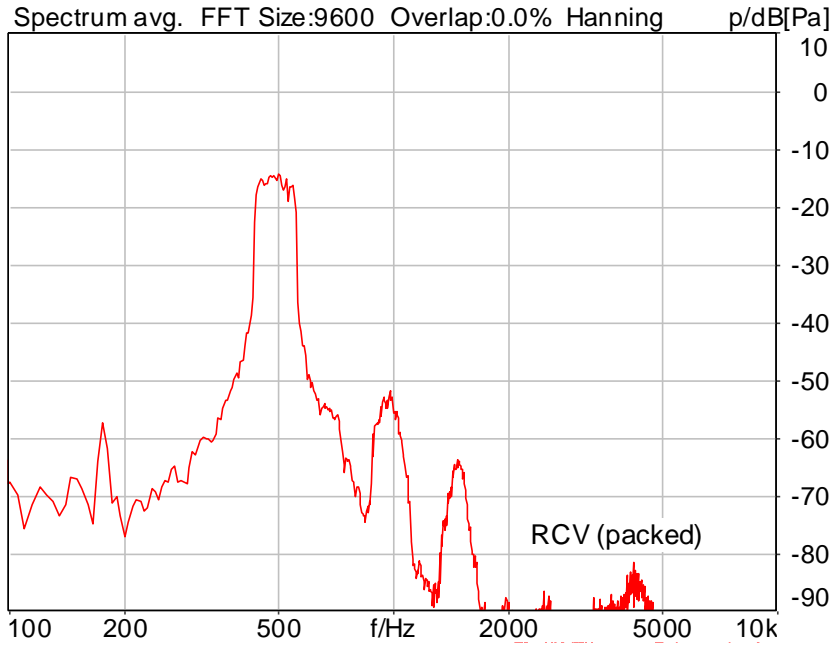
Limits

	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



Distortion (Noise) RCV (packed): 34.37 dB (1.91%) Ok

Ok

2023/10/19 上午 10:43 ACQUA 5.1.200

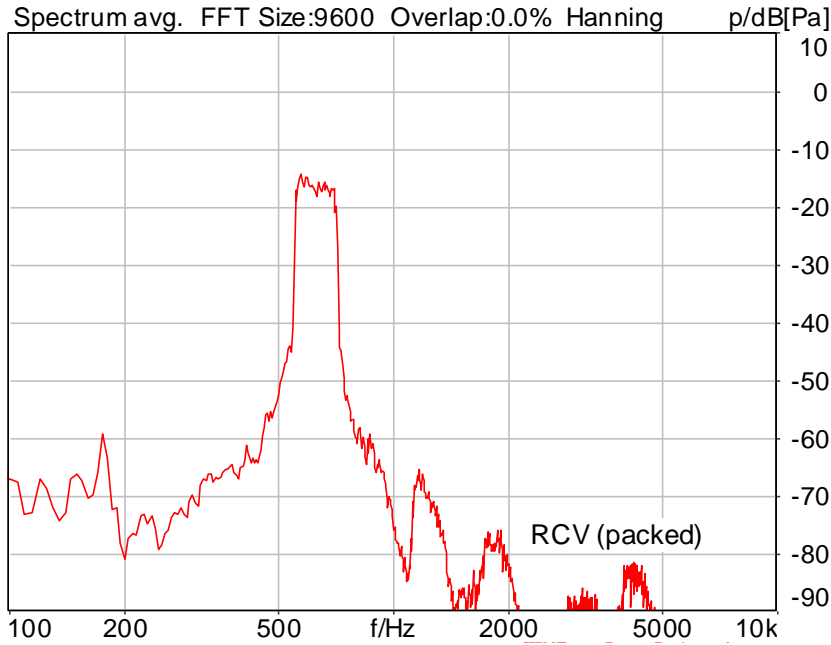
Limits

	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): 39.22 dB (1.09%) Ok

Ok

2023/10/19 上午 10:44 ACQUA 5.1.200

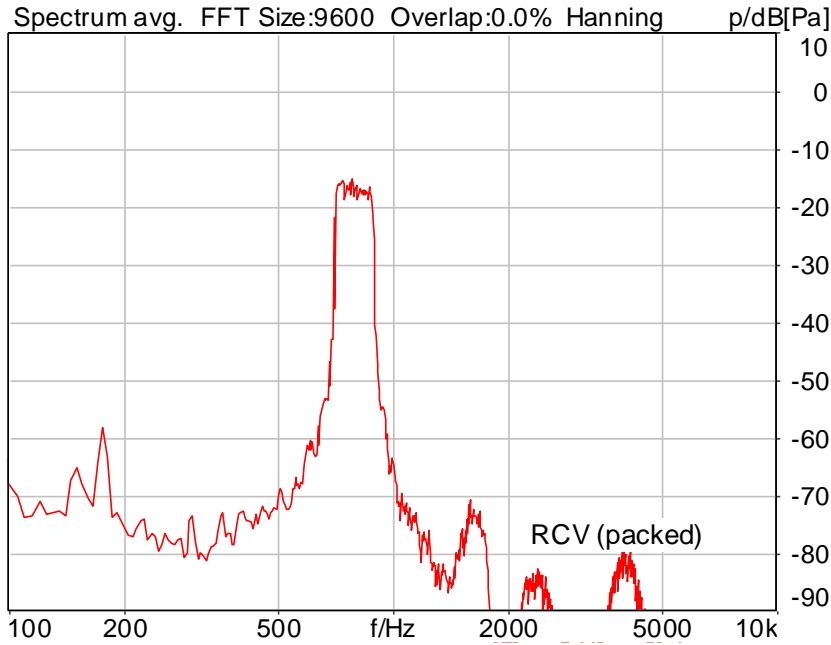
Limits

	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): 41.82 dB (0.81%) Ok

Ok

2023/10/19 上午 10:44 ACQUA 5.1.200

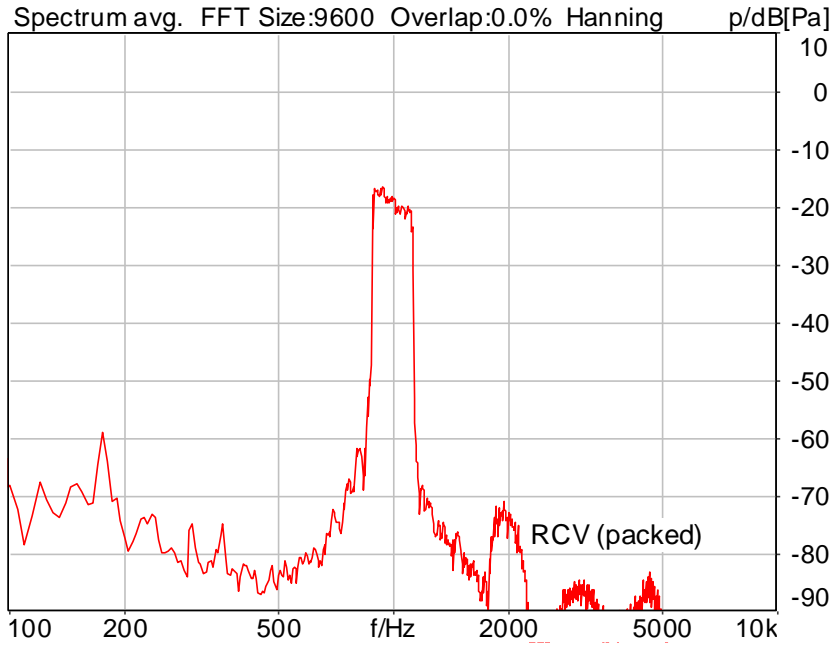
Limits

	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



Distortion (Noise) RCV (packed): 46.24 dB (0.49%) Ok

Ok

2023/10/19 上午 10:45 ACQUA 5.1.200

Limits

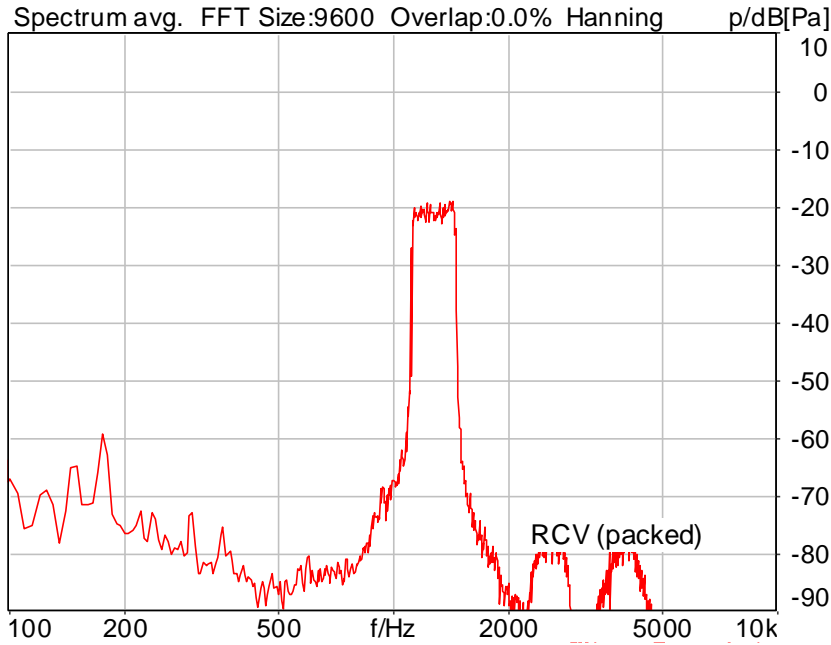
	lower
Run 1	20.00 dB





### 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): 33.02 dB (2.23%) Ok

Ok

2023/10/19 上午 10:45 ACQUA 5.1.200

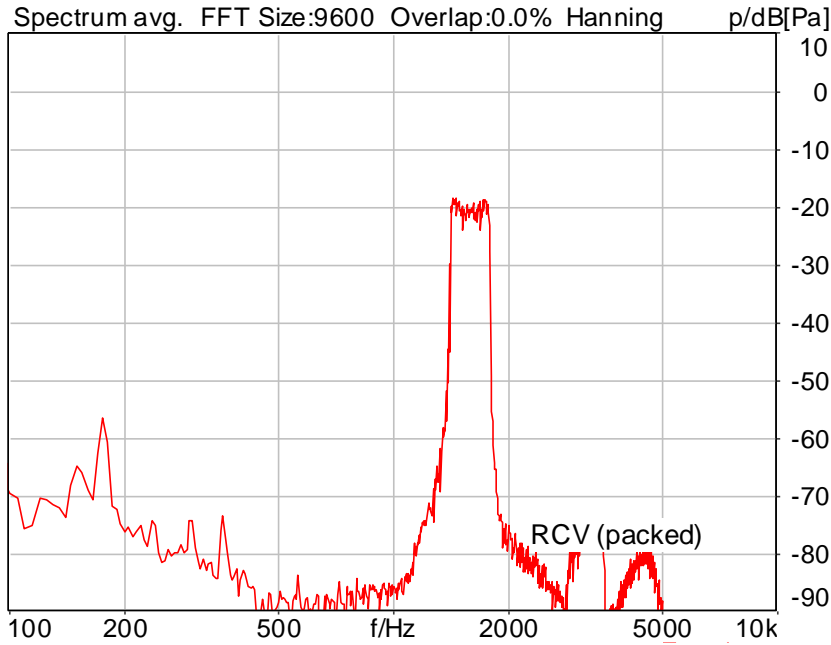
Limits

	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



Distortion (Noise) RCV (packed): 44.21 dB (0.62%) Ok

Ok

2023/10/19 上午 10:46 ACQUA 5.1.200

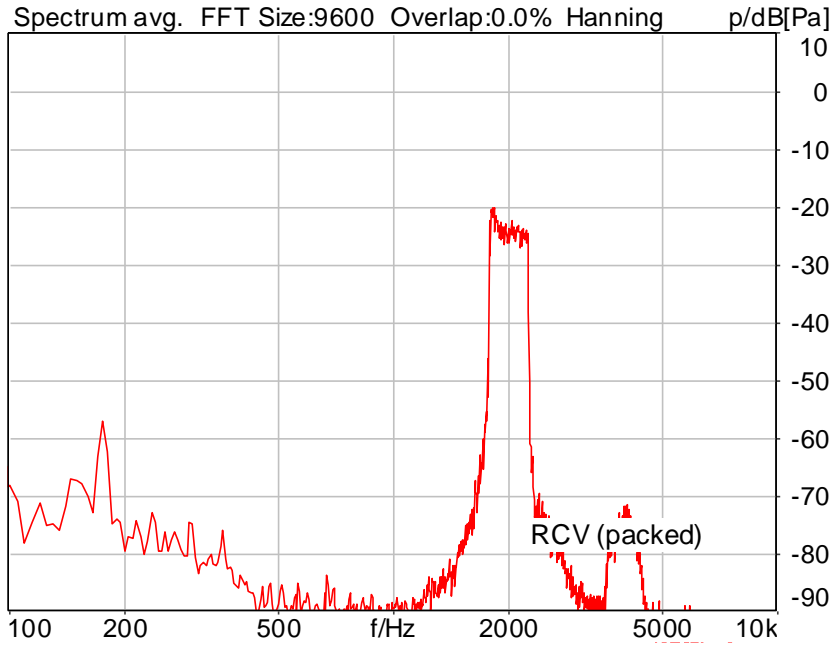
Limits

	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



Distortion (Noise) RCV (packed): 41.20 dB (0.87%) Ok

Ok

2023/10/19 上午 10:46 ACQUA 5.1.200

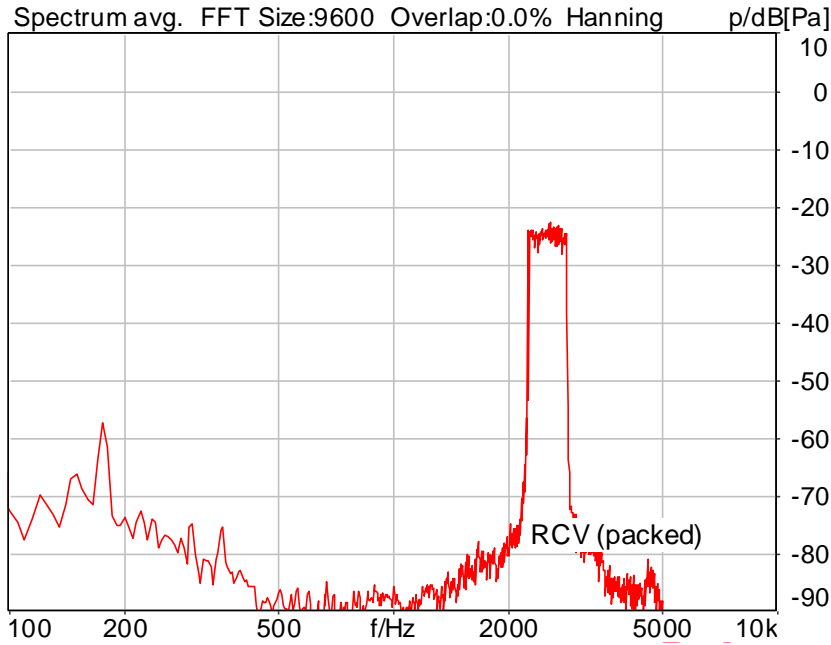
Limits

	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



Distortion (Noise) RCV (packed): 45.98 dB (0.50%) Ok

Ok

2023/10/19 上午 10:46 ACQUA 5.1.200

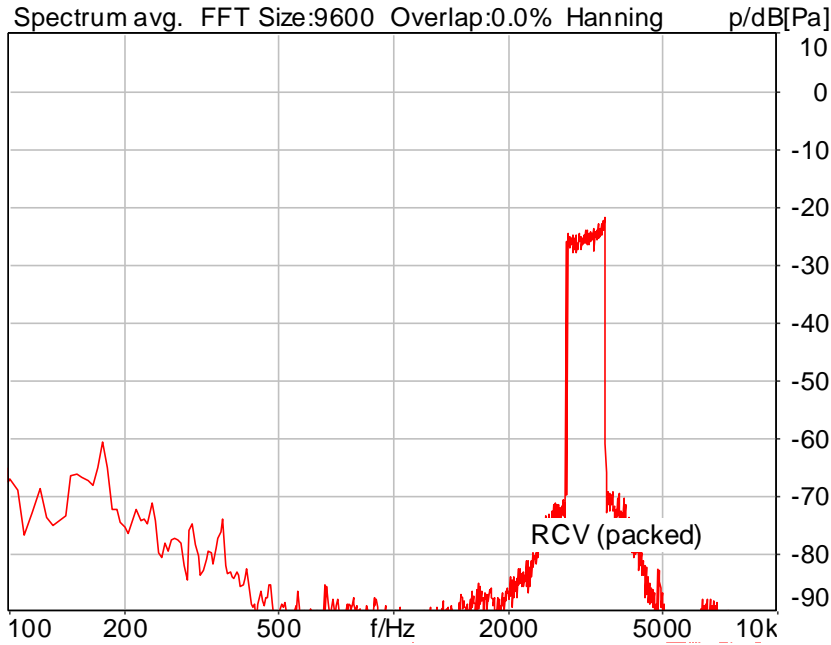
Limits

	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



Distortion (Noise) RCV (packed): 44.83 dB (0.57%) Ok

Ok

2023/10/19 上午 10:47 ACQUA 5.1.200

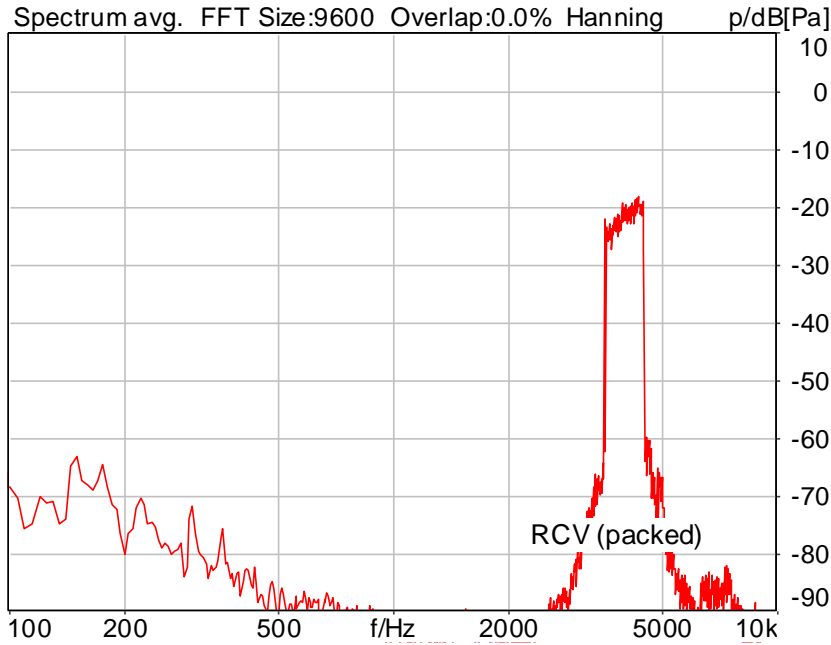
Limits

	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



Distortion (Noise) RCV (packed): 44.40 dB (0.60%) Ok

Ok

2023/10/19 上午 10:47 ACQUA 5.1.200

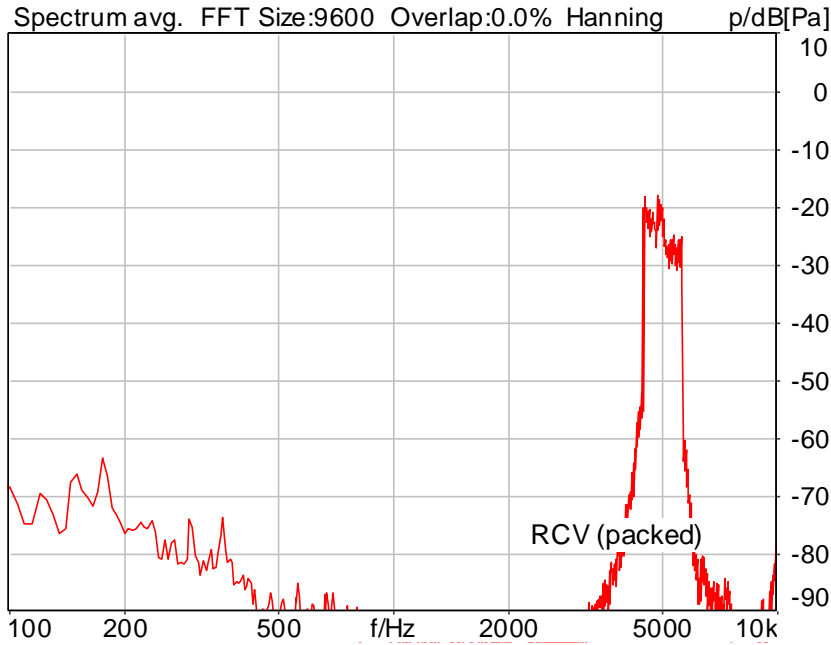
Limits

	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): 39.34 dB (1.08%) Ok

Ok

2023/10/19 上午 10:48 ACQUA 5.1.200

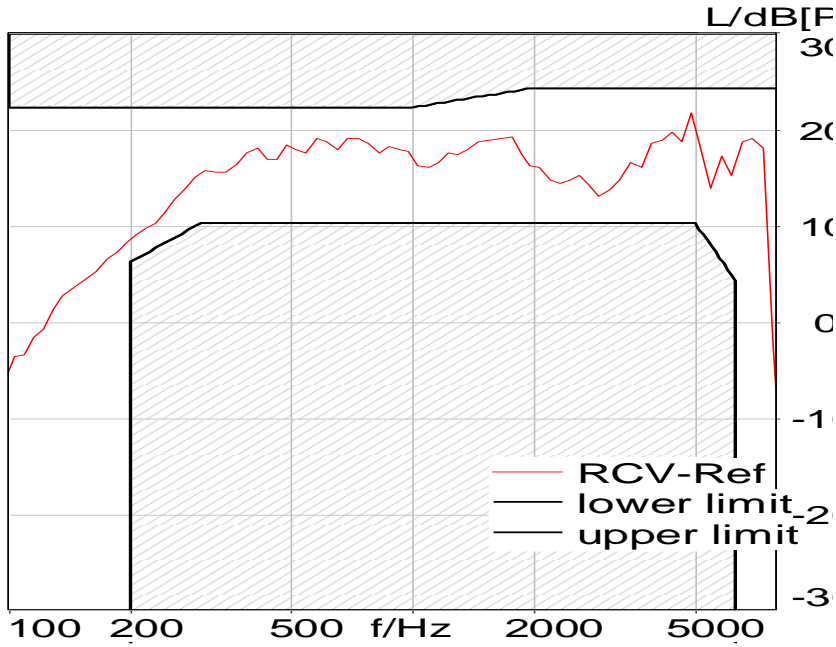
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.53 dB at 4870.0 Hz Ok

Ok

2023/10/19 上午 10:49 ACQUA 5.1.200

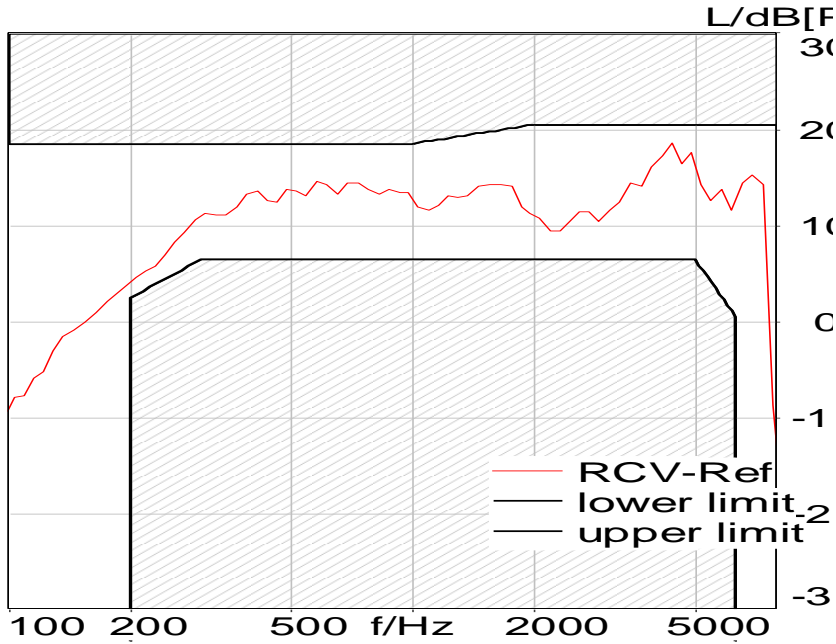
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
1.90 dB at 4369.4 Hz Ok

Ok

2023/10/19 上午 10:49 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#13 FR1 n12 EVS WB 24.4kbps

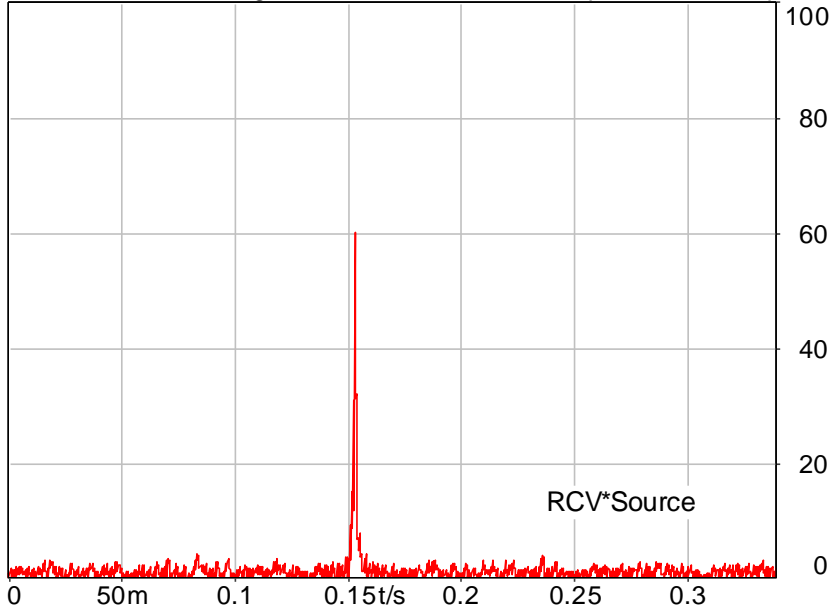
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	153.3
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.23
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.86
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.61
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.69
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.45
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.37
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.87
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.86
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.41
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.90
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.83
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.12
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.13
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.30
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.49
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.40
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.53
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.81
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.76
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.48
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.79
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.88
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.26
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.17
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.27
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.27
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.01
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.85
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.42
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.26
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	2.70
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.03



### Overall Receive Delay WB

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

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



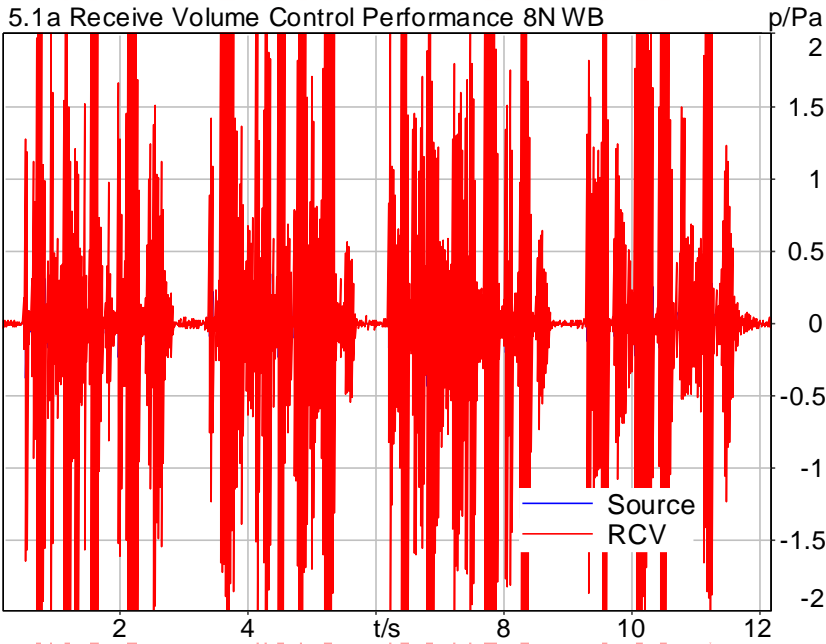
Delay (Cross): 153.3 ms

2023/10/19 上午 10:55 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.23 dB[SPL], Act.: 55.16% Ok

Ok

2023/10/19 上午 10:55 ACQUA 5.1.200

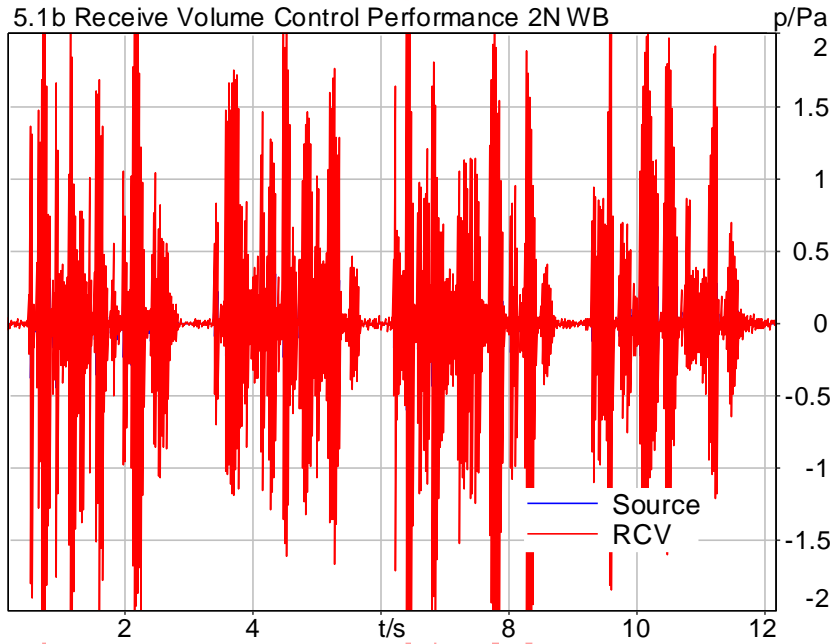
Limits

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.86 dB[SPL], Act.: 25.89% Ok

Ok

2023/10/19 上午 10:56 ACQUA 5.1.200

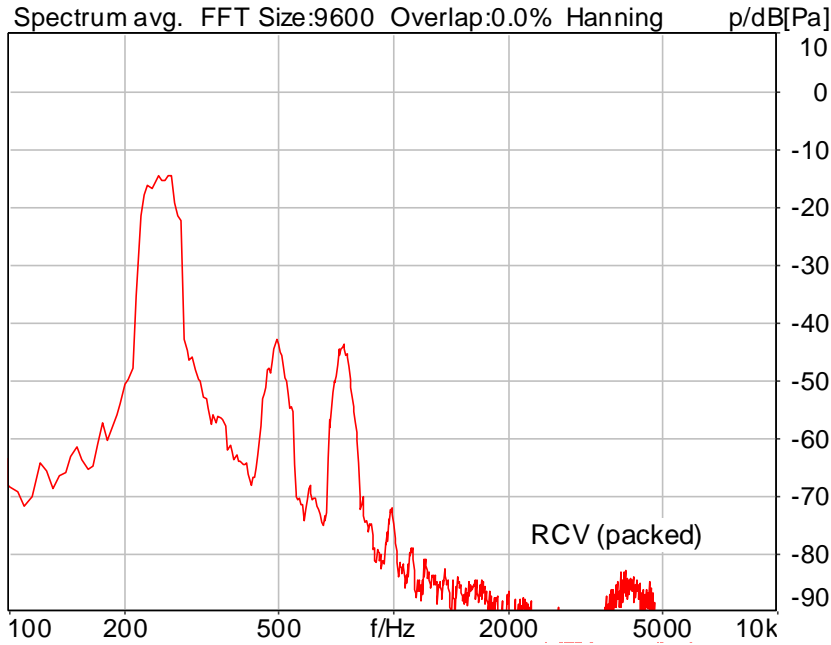
#### Limits

	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): 27.61 dB (4.16%) Ok

Ok

2023/10/19 上午 10:57 ACQUA 5.1.200

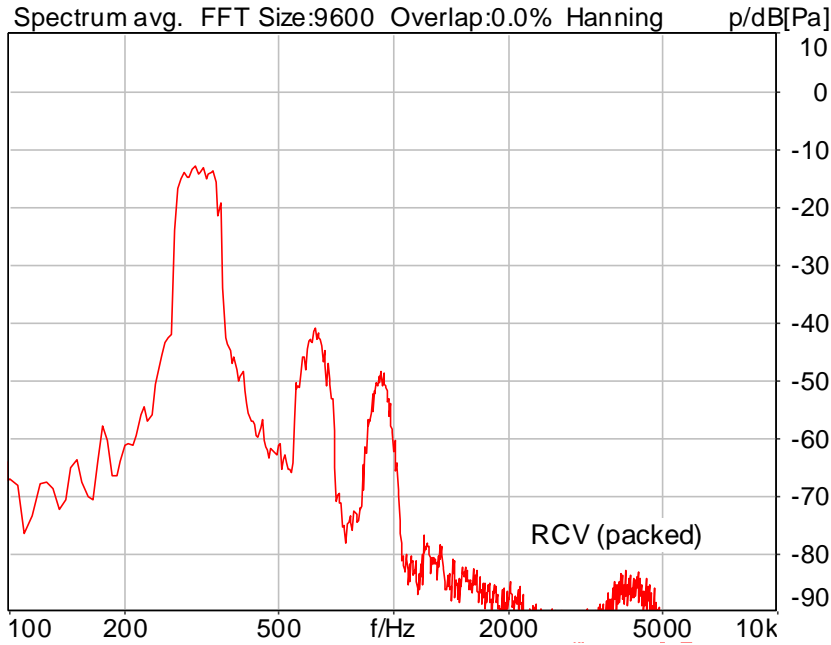
Limits

	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): 28.69 dB (3.68%) Ok

Ok

2023/10/19 上午 10:57 ACQUA 5.1.200

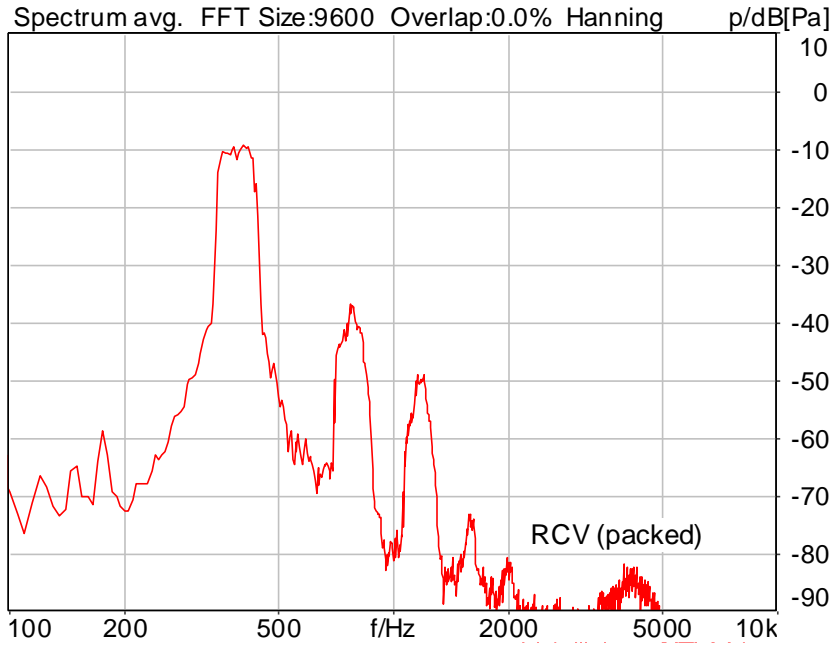
Limits

	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): 28.45 dB (3.78%) Ok

Ok

2023/10/19 上午 10:58 ACQUA 5.1.200

Limits

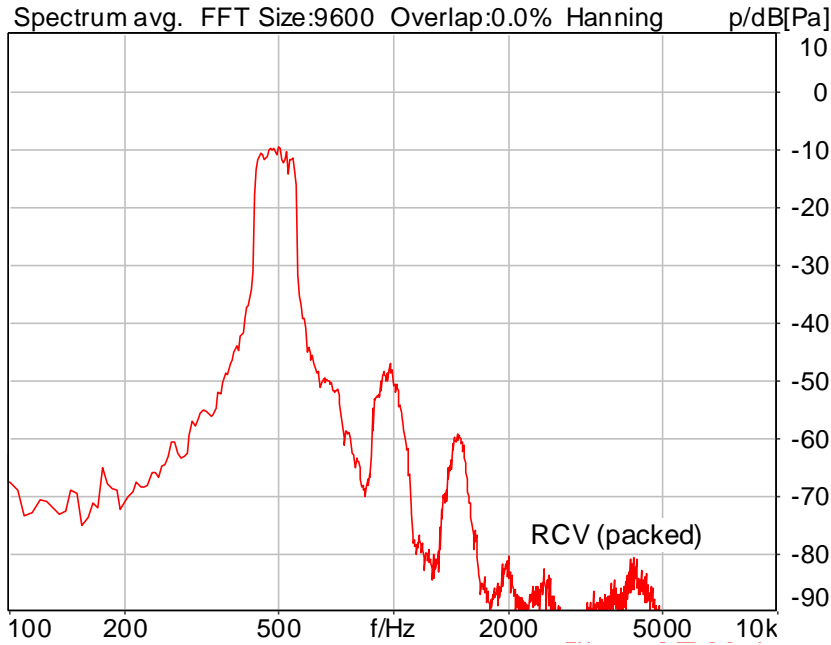
	lower
Run 1	20.00 dB





### 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): 34.37 dB (1.91%) Ok

Ok

2023/10/19 上午 10:58 ACQUA 5.1.200

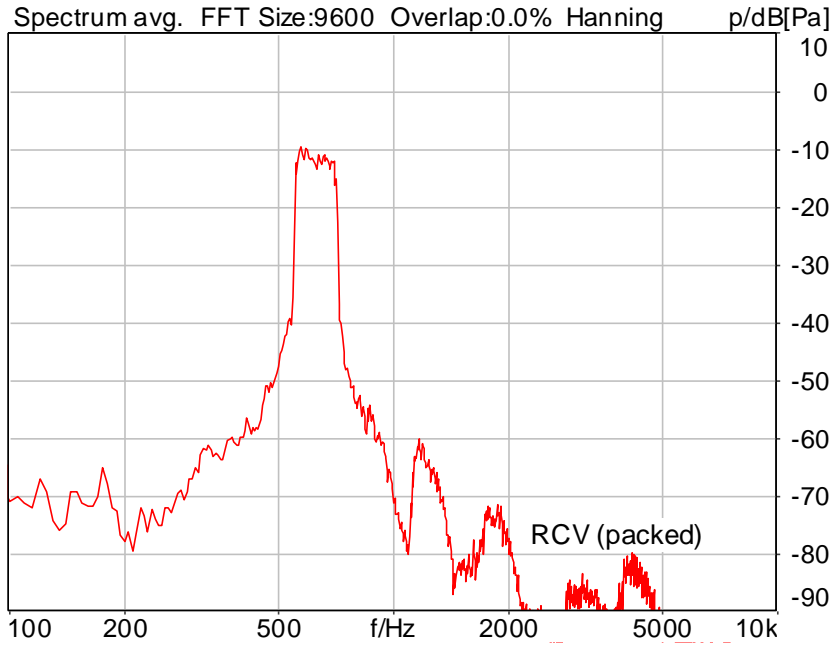
Limits

	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



Distortion (Noise) RCV (packed): 38.87 dB (1.14%) Ok

Ok

2023/10/19 上午 10:59 ACQUA 5.1.200

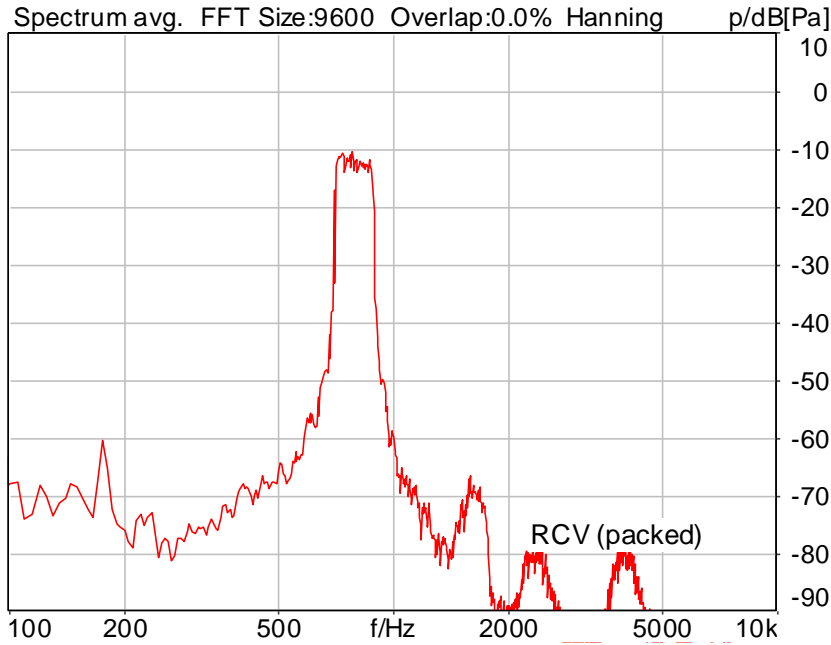
Limits

	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): 41.86 dB (0.81%) Ok

Ok

2023/10/19 上午 10:59 ACQUA 5.1.200

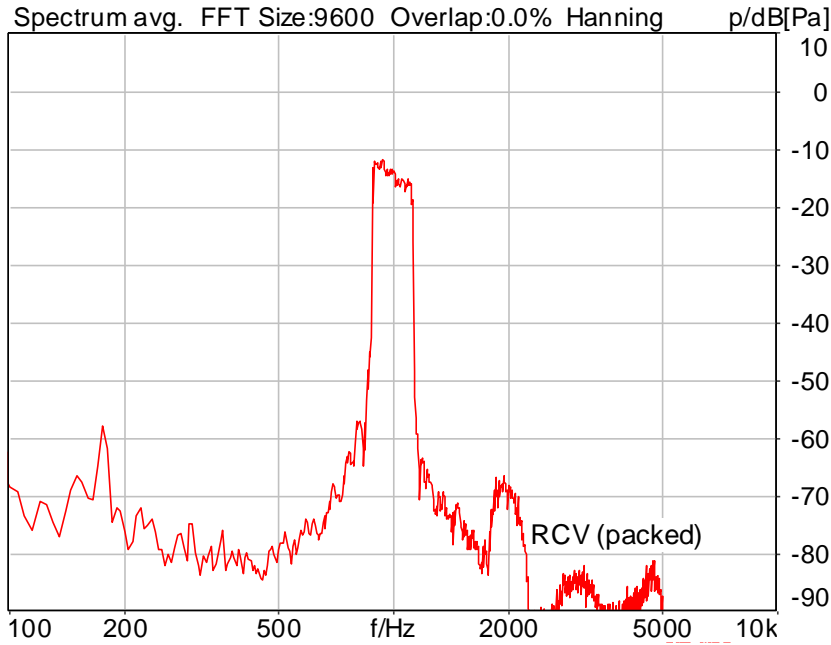
Limits

	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



Distortion (Noise) RCV (packed): 46.41 dB (0.48%) Ok

Ok

2023/10/19 上午 11:00 ACQUA 5.1.200

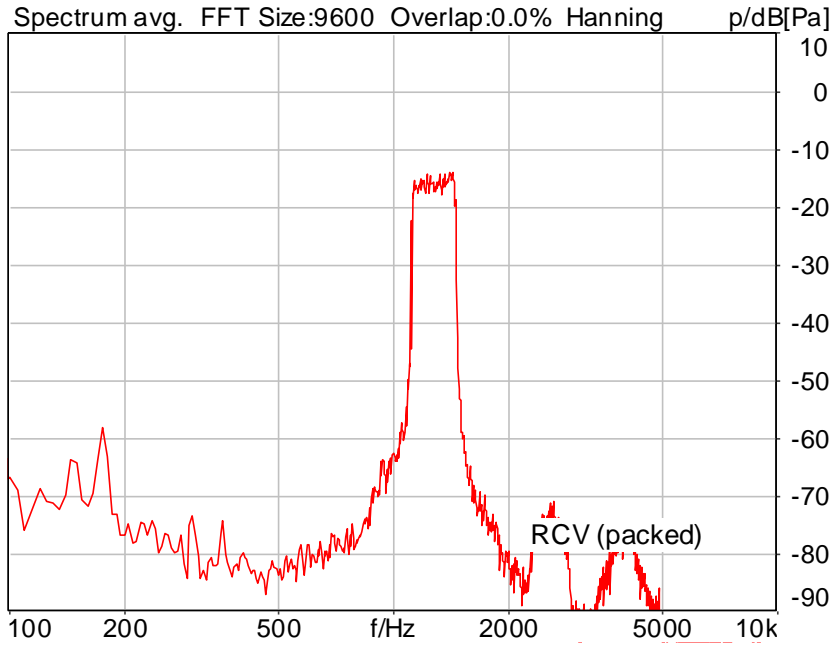
Limits

	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



Distortion (Noise) RCV (packed): 32.90 dB (2.26%) Ok

Ok

2023/10/19 上午 11:00 ACQUA 5.1.200

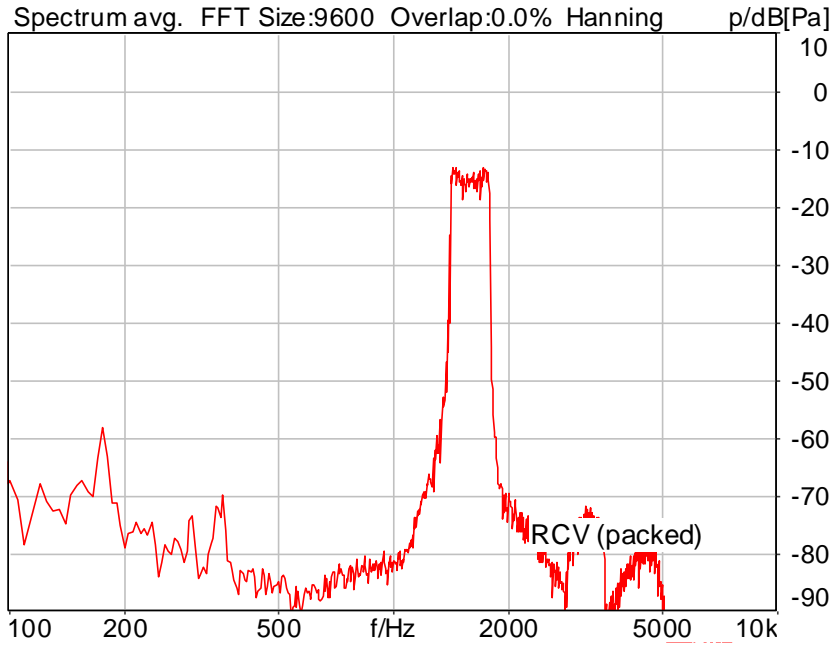
Limits

	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



Distortion (Noise) RCV (packed): 44.83 dB (0.57%) Ok

Ok

2023/10/19 上午 11:01 ACQUA 5.1.200

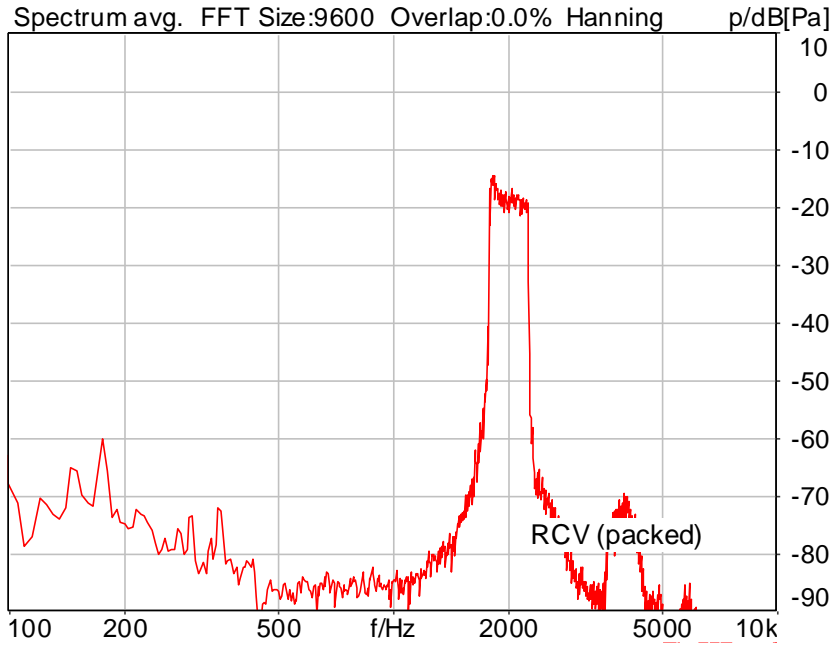
Limits

	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): 42.12 dB (0.78%) Ok

Ok

2023/10/19 上午 11:01 ACQUA 5.1.200

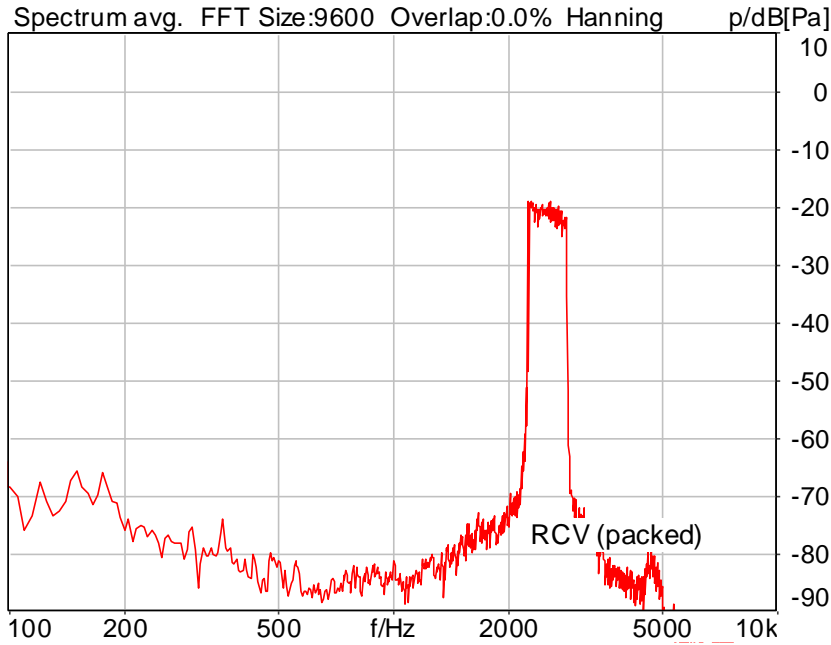
Limits

	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



Distortion (Noise) RCV (packed): 46.13 dB (0.49%) Ok

Ok

2023/10/19 上午 11:02 ACQUA 5.1.200

Limits

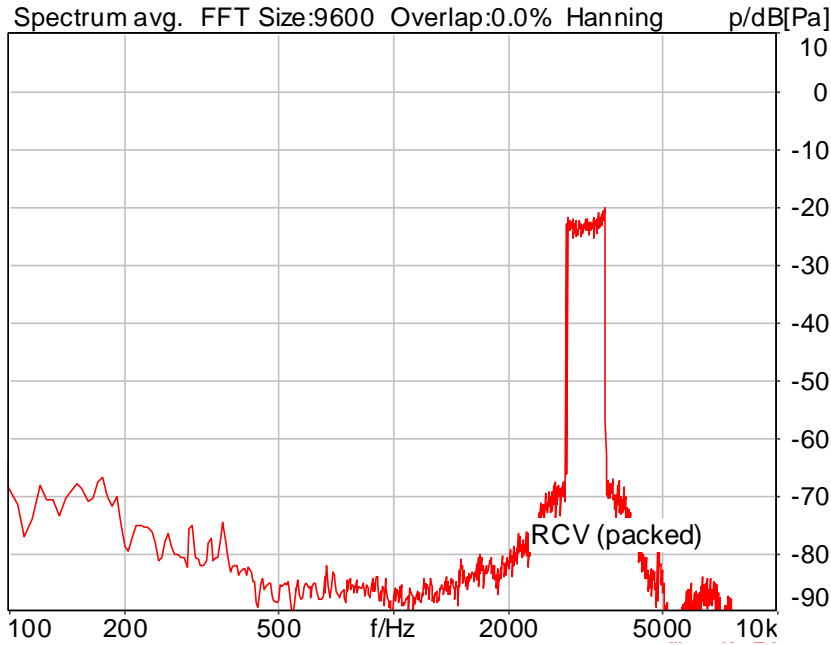
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.30 dB (0.61%) Ok

Ok

2023/10/19 上午 11:02 ACQUA 5.1.200

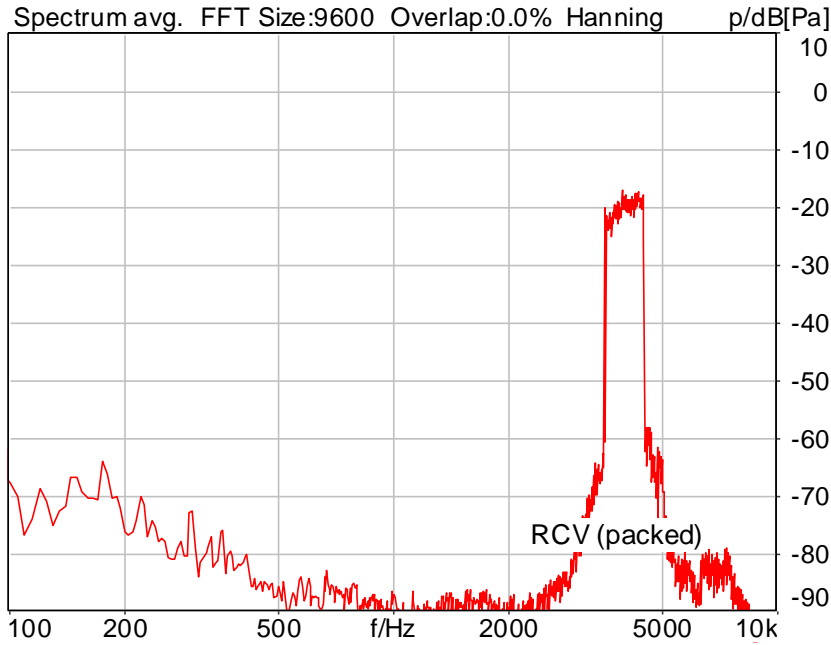
Limits

	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): 43.49 dB (0.67%) Ok

Ok

2023/10/19 上午 11:03 ACQUA 5.1.200

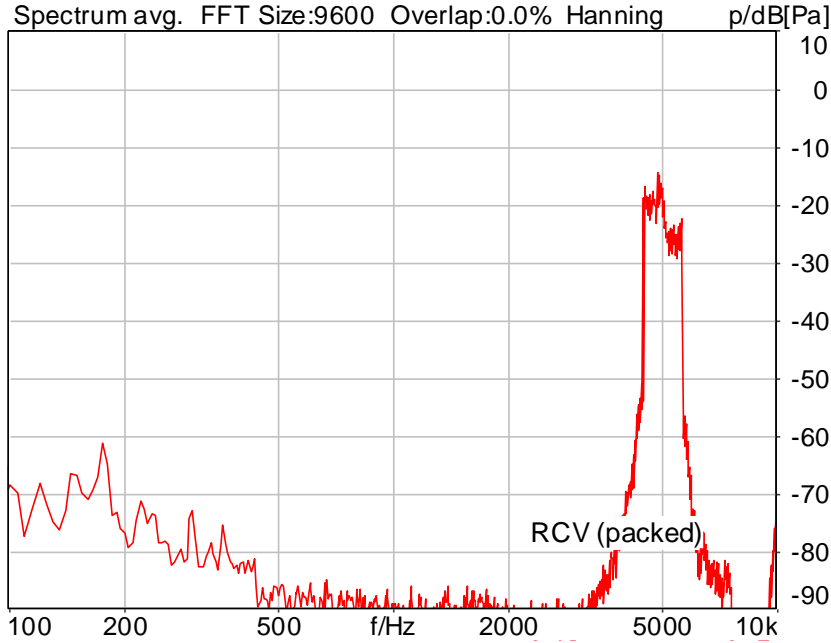
Limits

	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



Distortion (Noise) RCV (packed): 40.40 dB (0.96%) Ok

Ok

2023/10/19 上午 11:03 ACQUA 5.1.200

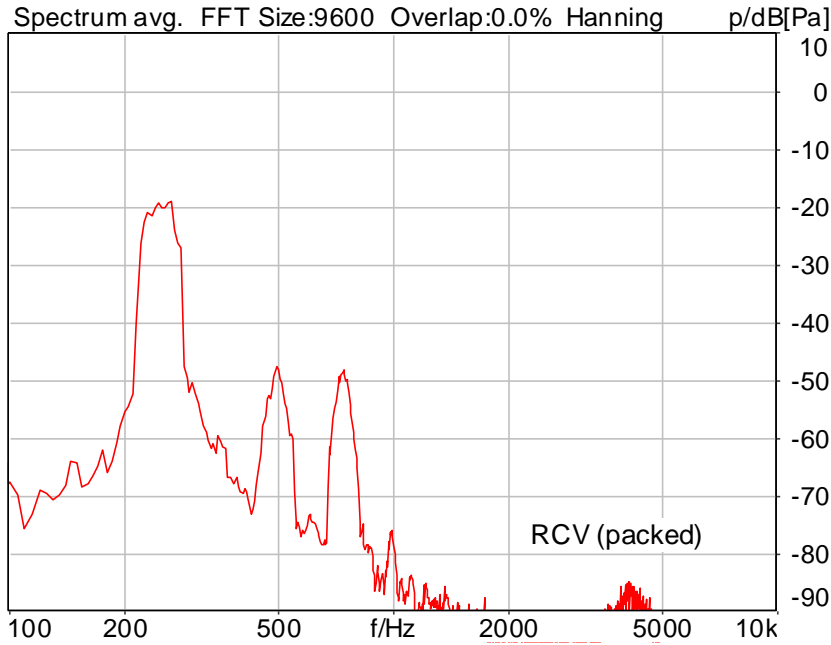
Limits

	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



Distortion (Noise) RCV (packed): 27.53 dB (4.20%) Ok

Ok

2023/10/19 上午 11:04 ACQUA 5.1.200

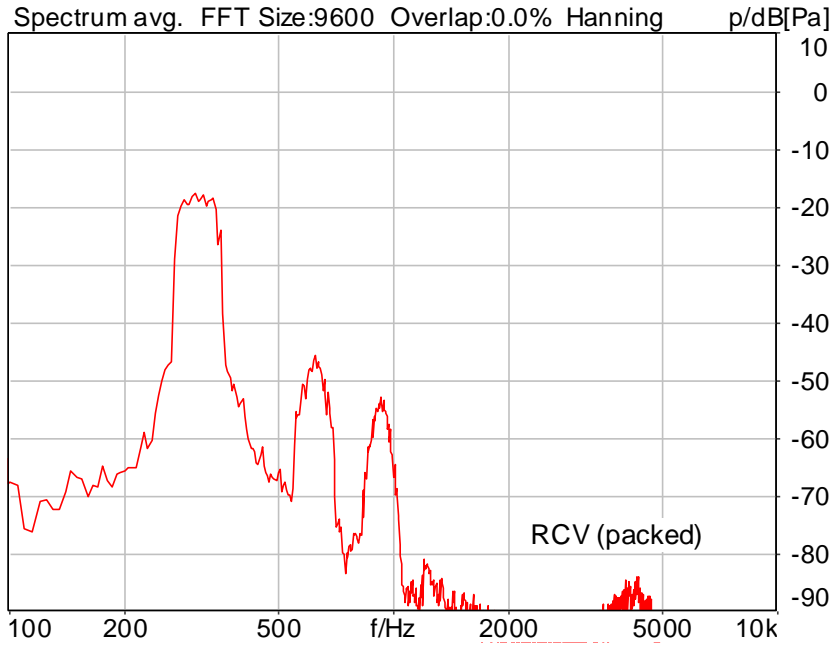
Limits

	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



Distortion (Noise) RCV (packed): 28.81 dB (3.63%) Ok

Ok

2023/10/19 上午 11:05 ACQUA 5.1.200

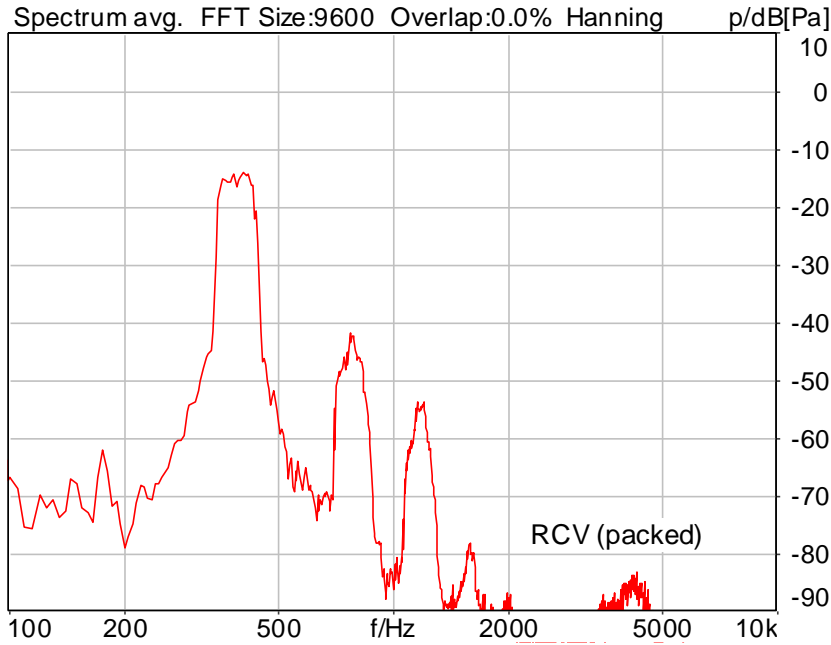
Limits

	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



Distortion (Noise) RCV (packed): 28.76 dB (3.65%) Ok

Ok

2023/10/19 上午 11:05 ACQUA 5.1.200

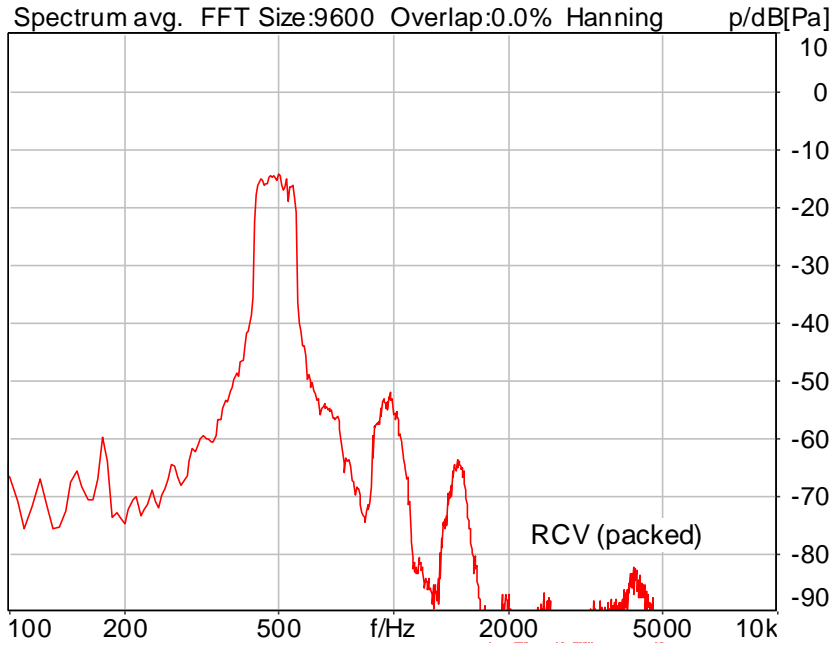
Limits

	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



Distortion (Noise) RCV (packed): 34.48 dB (1.89%) Ok

Ok

2023/10/19 上午 11:06 ACQUA 5.1.200

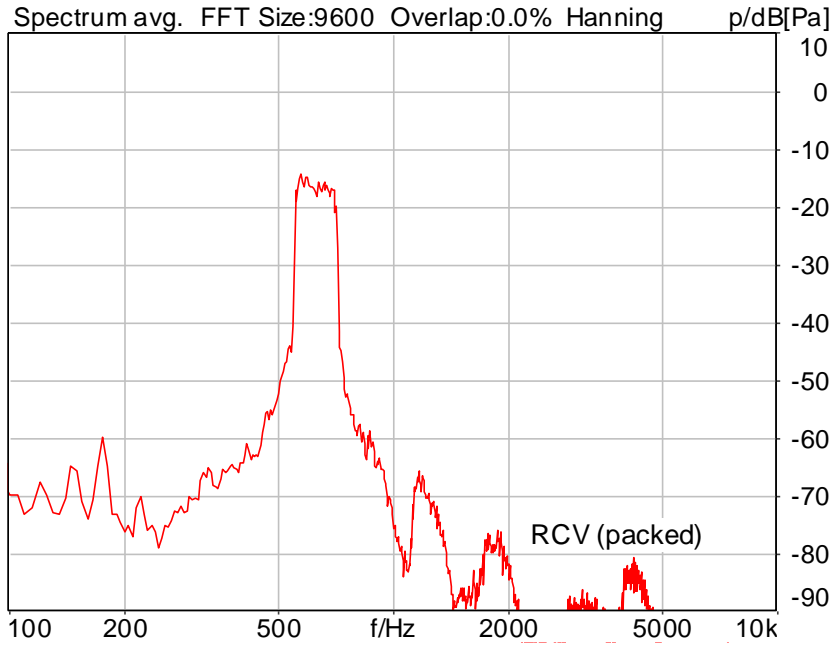
Limits

	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): 38.79 dB (1.15%) Ok

Ok

2023/10/19 上午 11:06 ACQUA 5.1.200

Limits

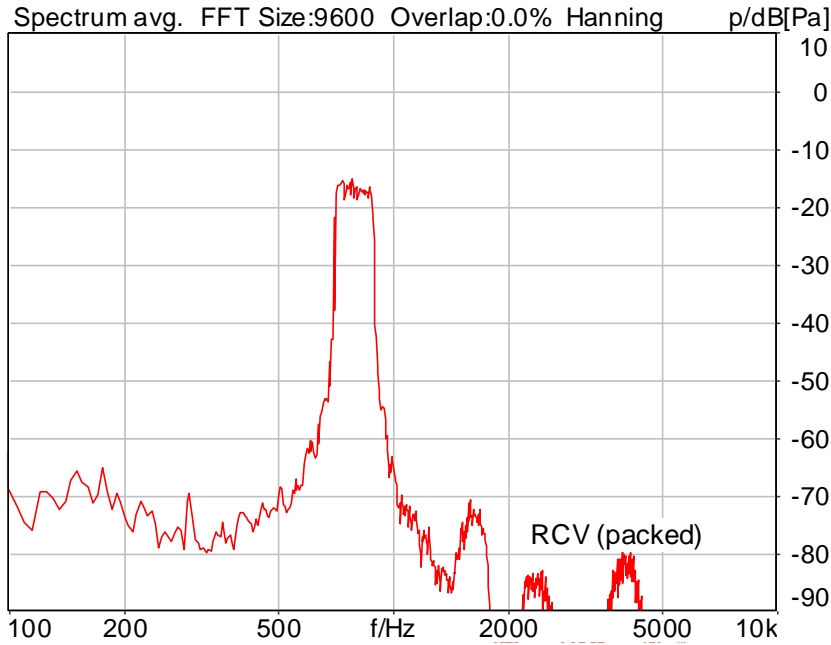
	lower
Run 1	20.00 dB





### 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): 41.88 dB (0.81%) Ok

Ok

2023/10/19 上午 11:07 ACQUA 5.1.200

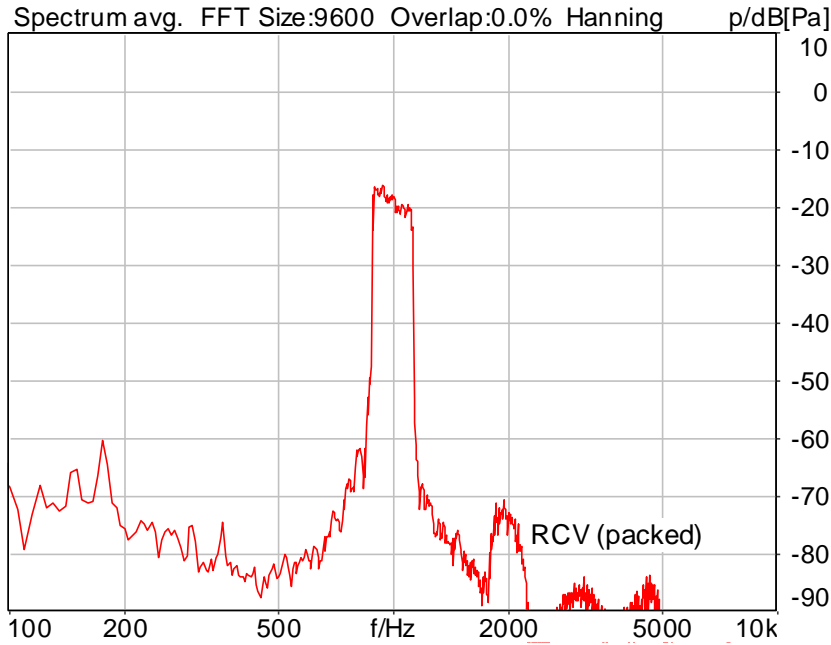
Limits

	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



Distortion (Noise) RCV (packed): 46.26 dB (0.49%) Ok

Ok

2023/10/19 上午 11:07 ACQUA 5.1.200

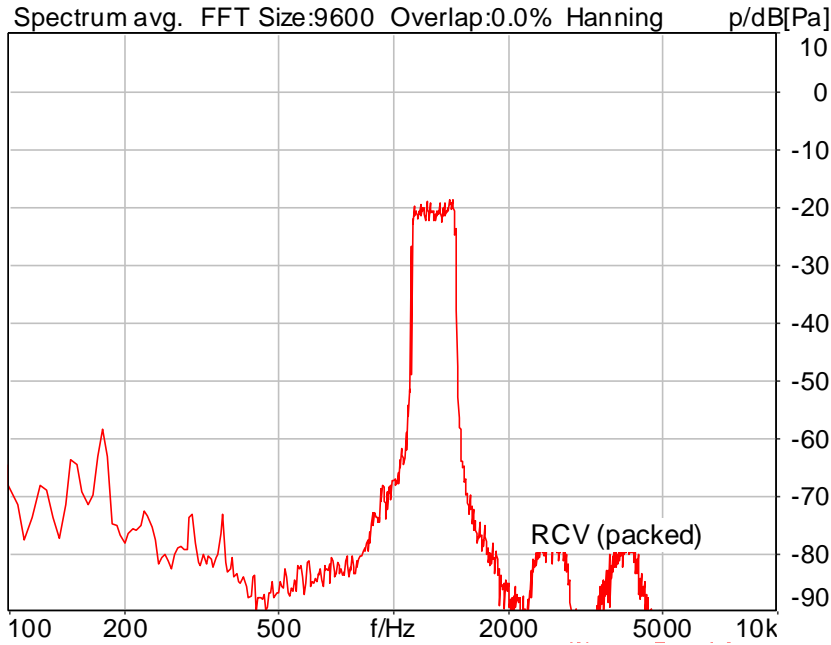
Limits

	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): 33.17 dB (2.20%) Ok

Ok

2023/10/19 上午 11:07 ACQUA 5.1.200

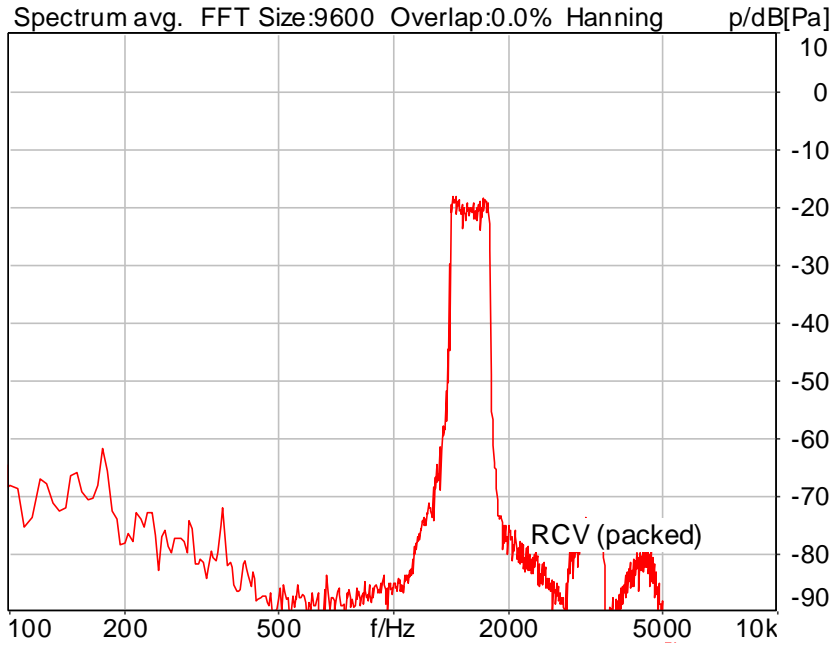
Limits

	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



Distortion (Noise) RCV (packed): 44.27 dB (0.61%) Ok

Ok

2023/10/19 上午 11:08 ACQUA 5.1.200

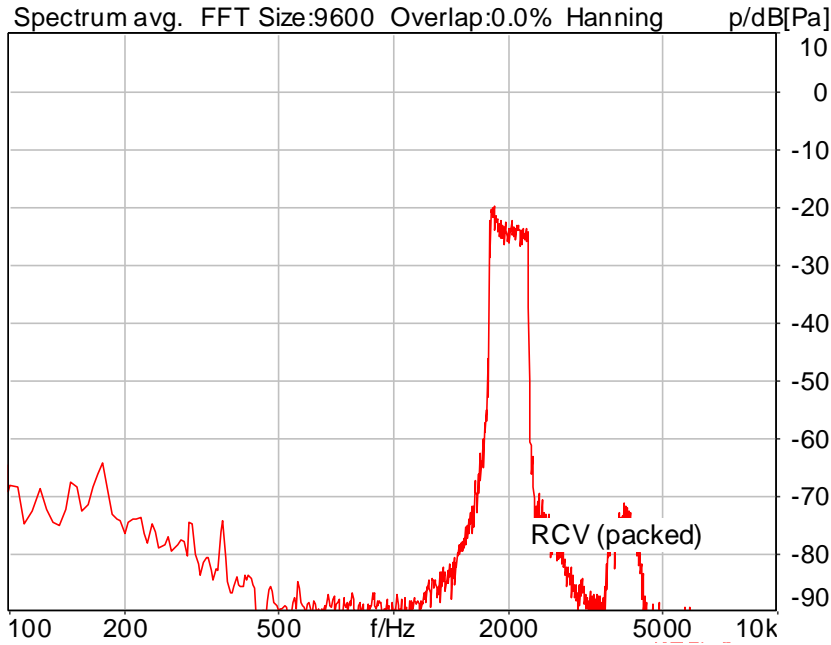
Limits

	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



Distortion (Noise) RCV (packed): 41.27 dB (0.86%) Ok

Ok

2023/10/19 上午 11:08 ACQUA 5.1.200

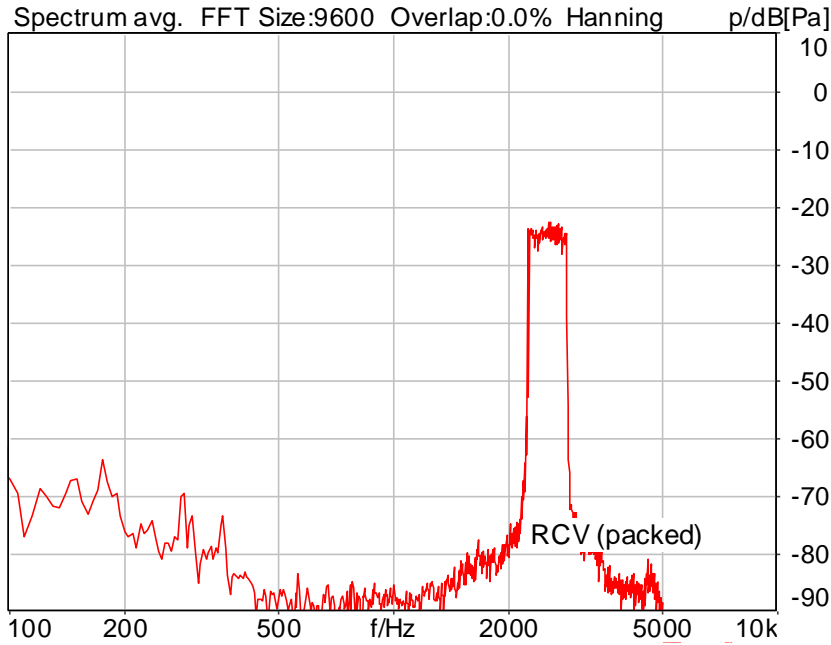
Limits

	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



Distortion (Noise) RCV (packed): 46.01 dB (0.50%) Ok

**Ok**

2023/10/19 上午 11:09 ACQUA 5.1.200

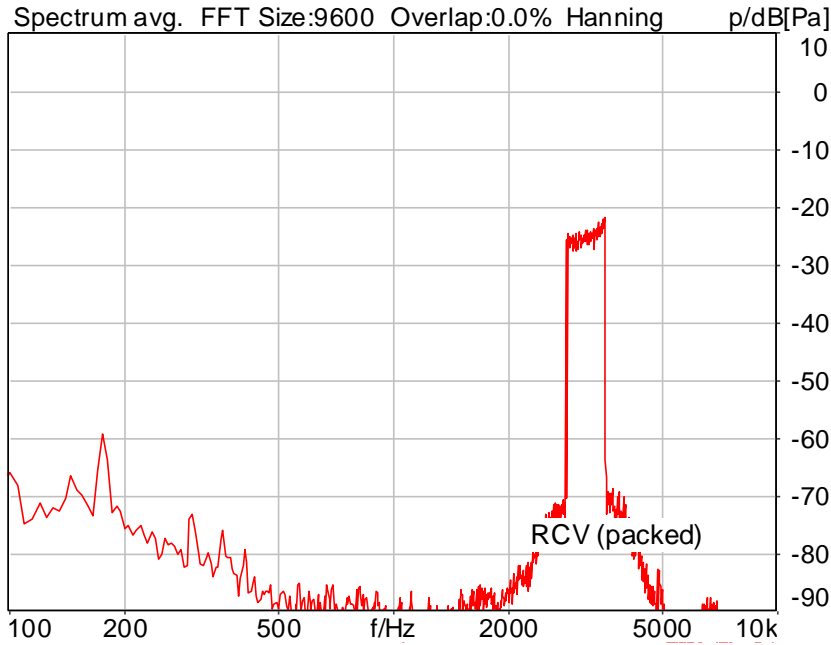
**Limits**

	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



Distortion (Noise) RCV (packed): 44.85 dB (0.57%) Ok

Ok

2023/10/19 上午 11:09 ACQUA 5.1.200

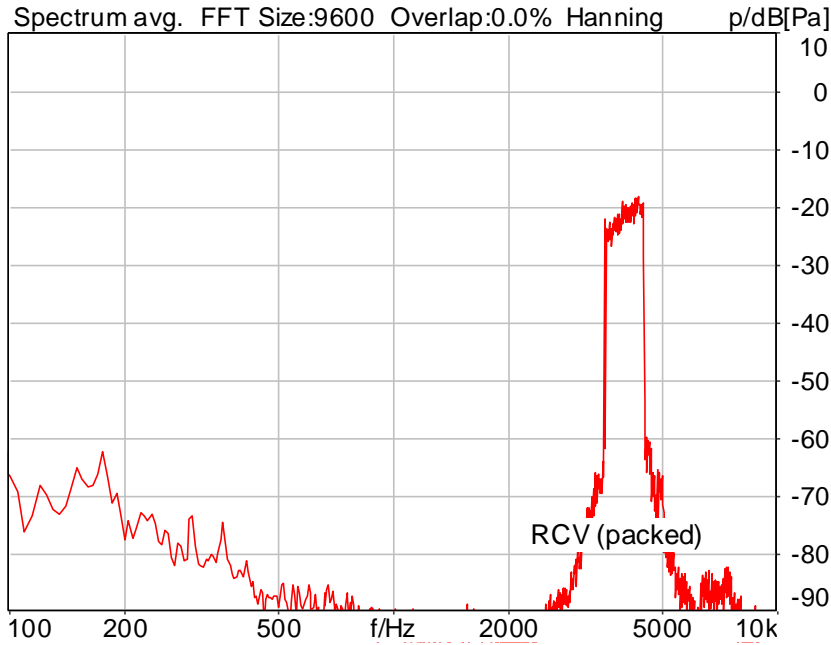
Limits

	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



Distortion (Noise) RCV (packed): 44.42 dB (0.60%) Ok

Ok

2023/10/19 上午 11:10 ACQUA 5.1.200

Limits

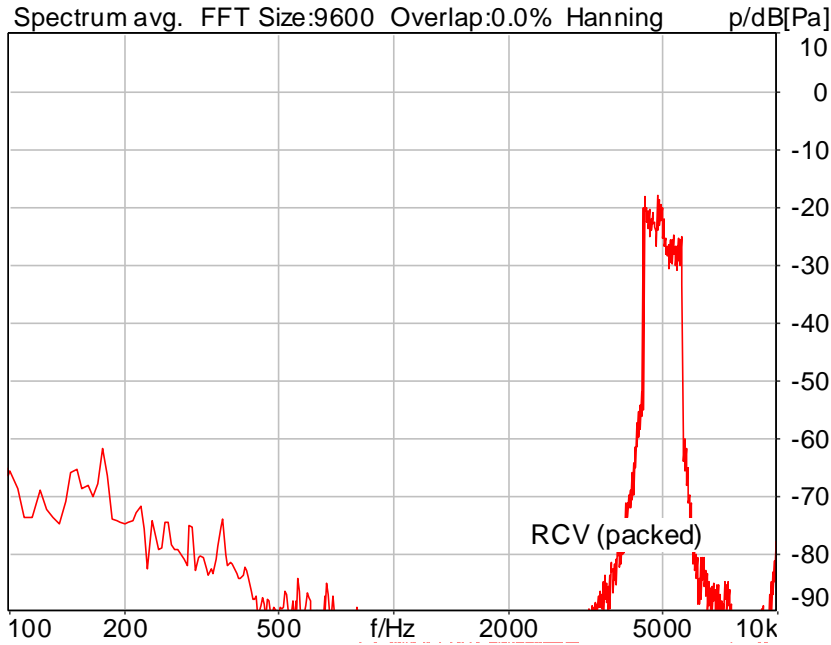
	lower
Run 1	20.00 dB





### 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): 39.26 dB (1.09%) Ok

Ok

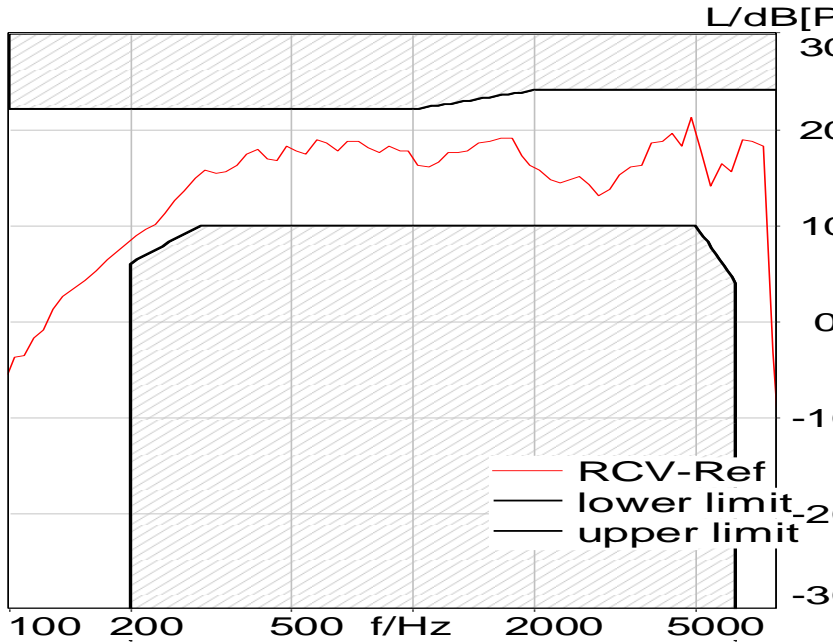
2023/10/19 上午 11:10 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.70 dB at 4870.0 Hz Ok

Ok

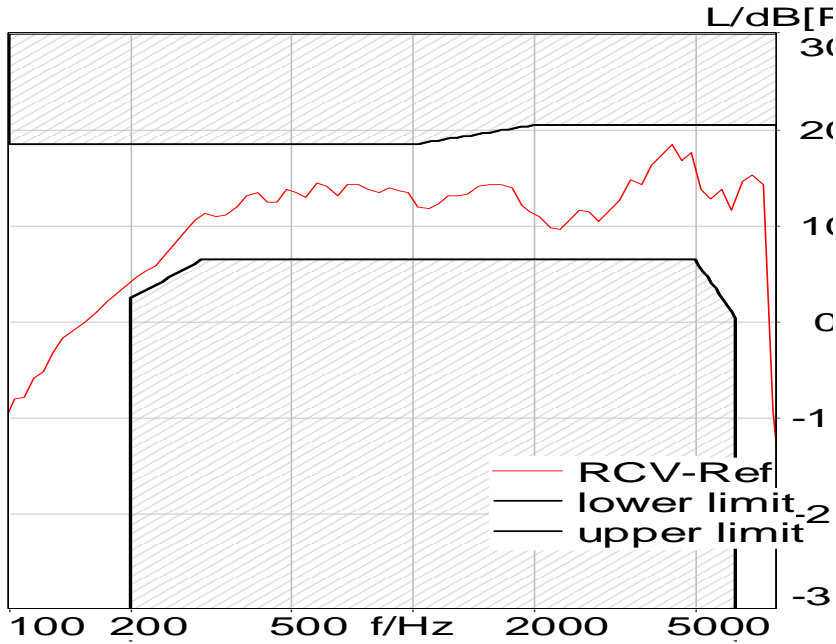
2023/10/19 上午 11:11 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.03 dB at 4369.4 Hz Ok

Ok

2023/10/19 上午 11:12 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#14 FR1 n25 EVS NB 24.4kbps

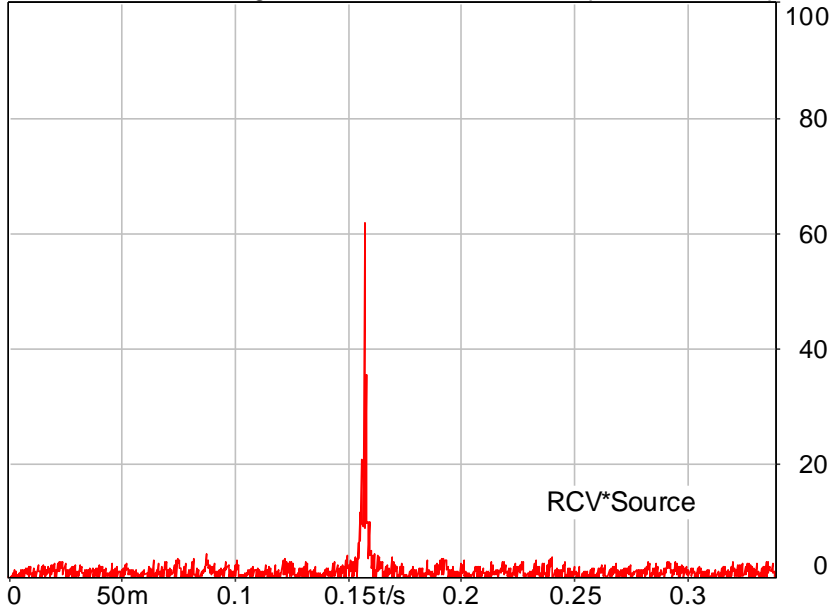
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	157.4
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	90.15
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	89.08
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.93
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.83
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	38.45
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	41.62
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.13
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.83
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	41.06
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.87
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	45.65
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.50
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.66
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.94
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	38.44
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	41.54
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.21
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	33.33
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	40.66
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.29
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	46.08
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	44.57
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 1447.5 Hz	1.13
5.3 Frequency Response 2N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 1447.5 Hz	2.42



### Overall Receive Delay NB

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

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



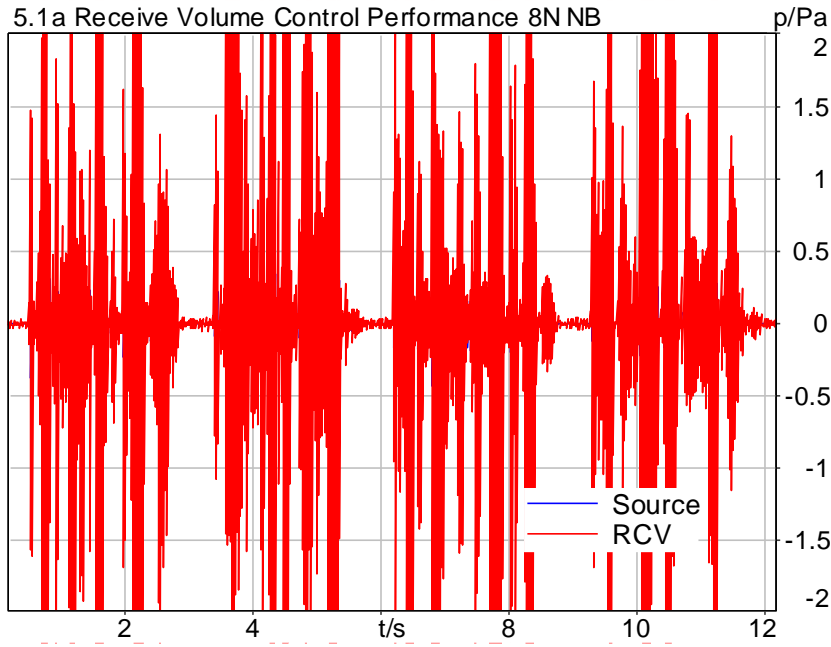
Delay (Cross): 157.4 ms

2023/10/19 上午 11:37 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N NB

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



Speech Level RCV: 90.15 dB[SPL], Act.: 52.21% Ok

Ok

2023/10/19 上午 11:38 ACQUA 5.1.200

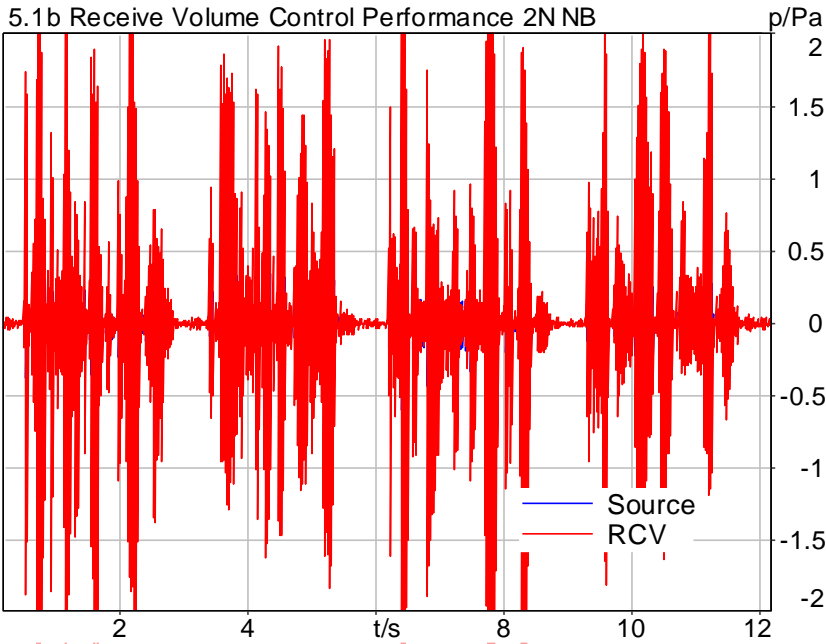
**Limits**

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N NB

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



Speech Level RCV: 89.08 dB[SPL], Act.: 23.63% Ok

Ok

2023/10/19 上午 11:39 ACQUA 5.1.200

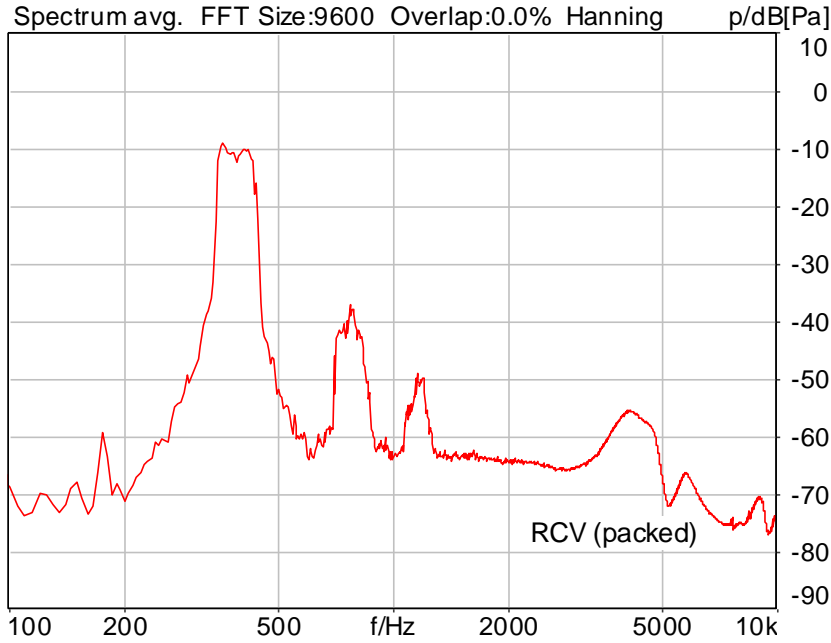
Limits

	lower
Run 1	76.00 dB20uPa



### 5.2 RCV Distortion and Noise - 400 Hz NB

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



Distortion (Noise) RCV (packed): 26.93 dB (4.50%) Ok

Ok

2023/10/19 上午 11:39 ACQUA 5.1.200

Limits

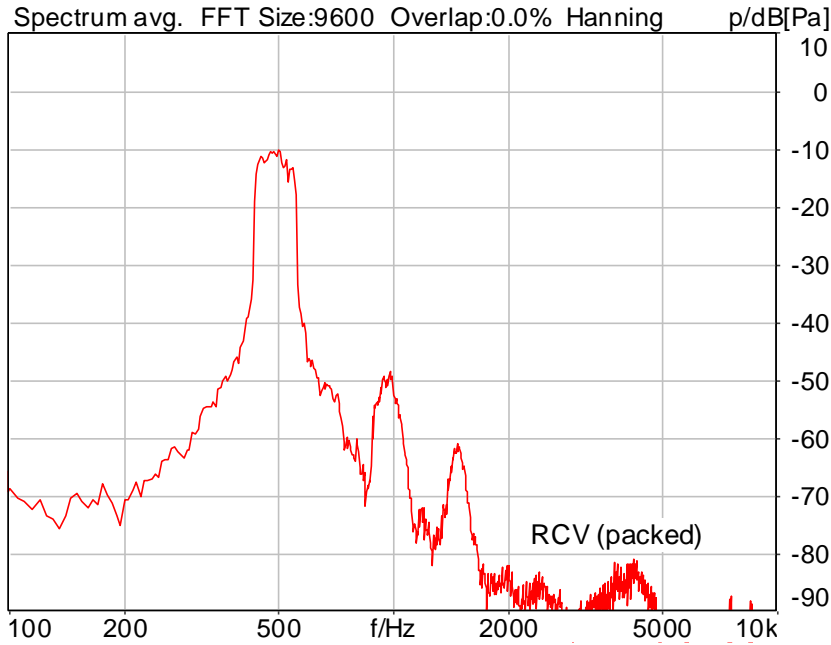
	lower
Run 1	20.00 dB





### 5.2 RCV Distortion and Noise - 500 Hz NB

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



Distortion (Noise) RCV (packed): 34.83 dB (1.81%) Ok

Ok

2023/10/19 上午 11:40 ACQUA 5.1.200

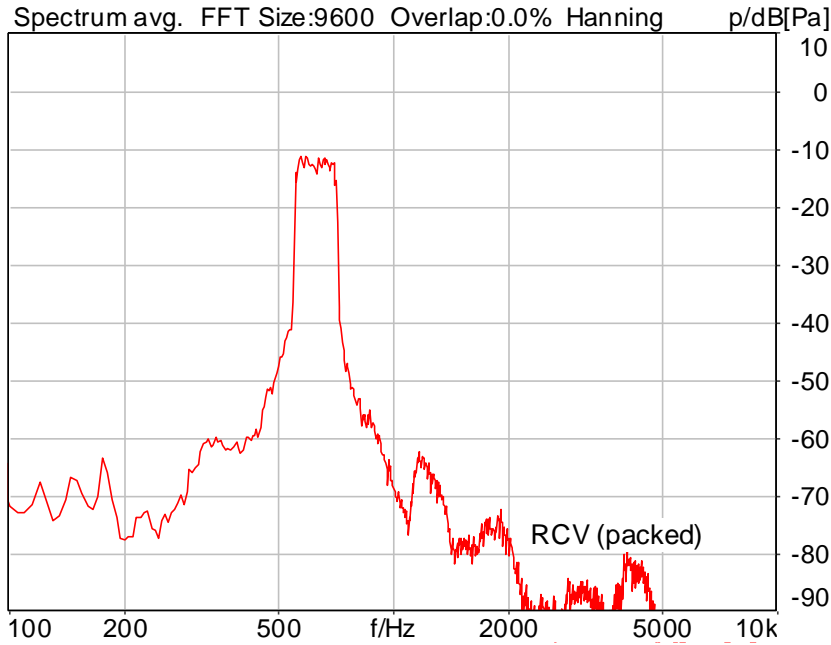
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 630 Hz NB

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



Distortion (Noise) RCV (packed): 38.45 dB (1.20%) Ok

Ok

2023/10/19 上午 11:40 ACQUA 5.1.200

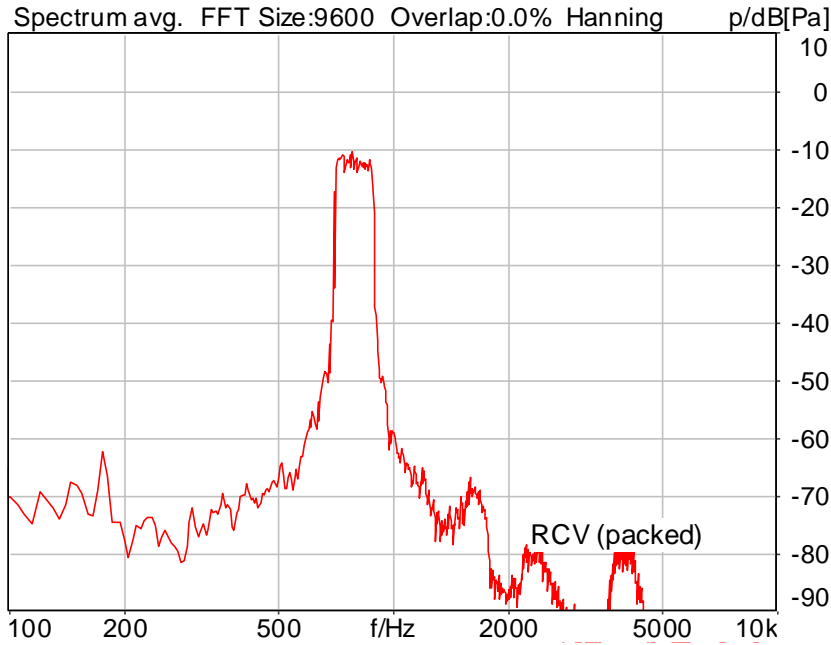
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 800 Hz NB

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



Distortion (Noise) RCV (packed): 41.62 dB (0.83%) Ok

Ok

2023/10/19 上午 11:41 ACQUA 5.1.200

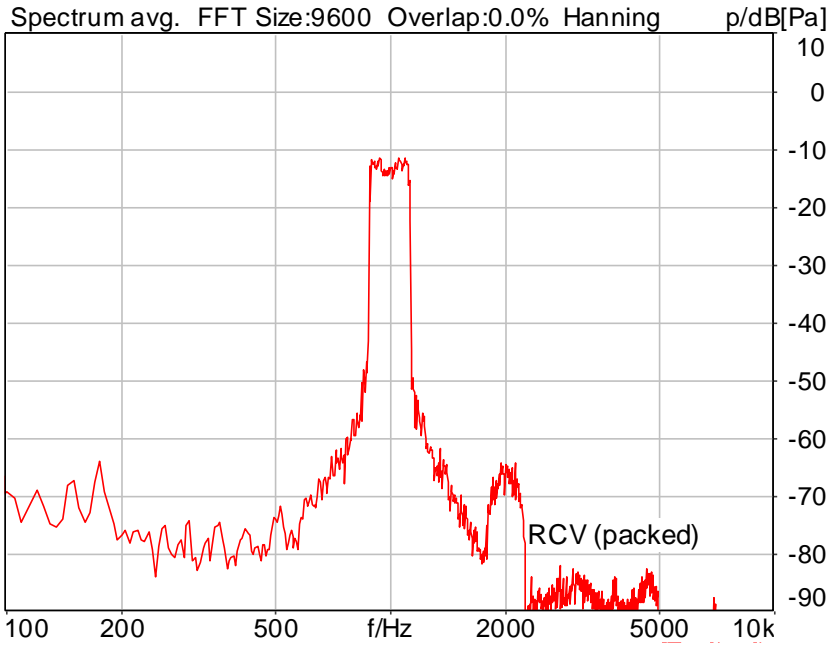
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 1000 Hz NB

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



Distortion (Noise) RCV (packed): 43.13 dB (0.70%) Ok

Ok

2023/10/19 上午 11:41 ACQUA 5.1.200

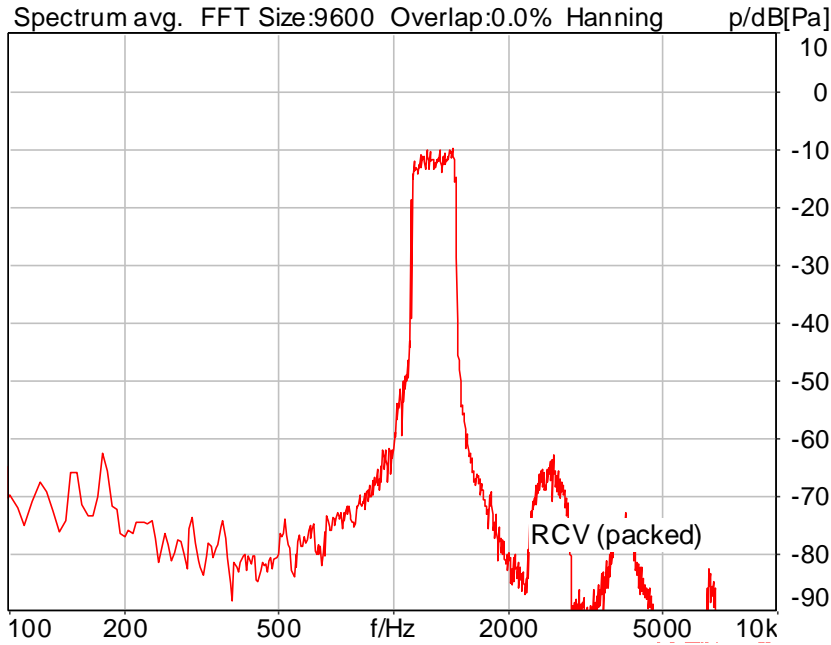
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 1250 Hz NB

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



Distortion (Noise) RCV (packed): 32.83 dB (2.28%) Ok

Ok

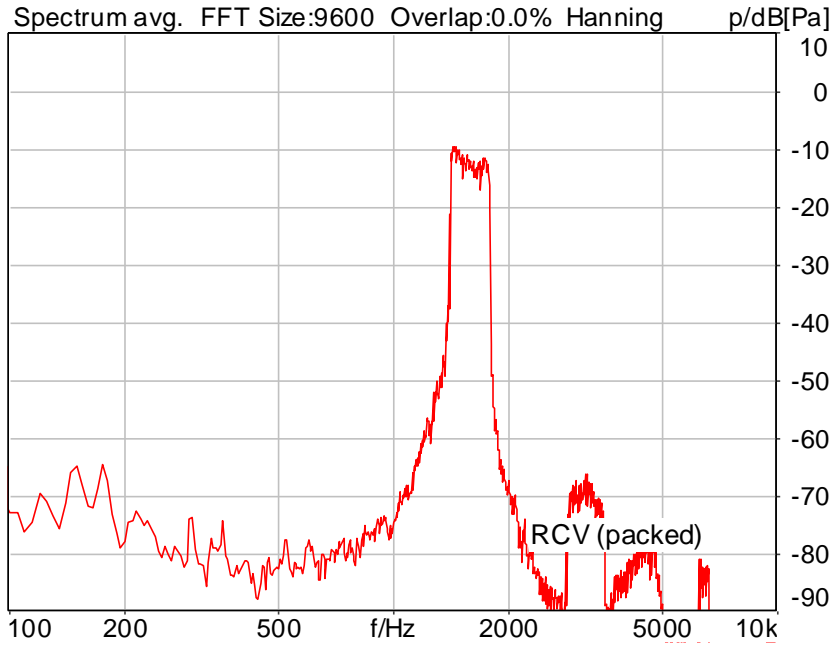
2023/10/19 上午 11:42 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

## 5.2 RCV Distortion and Noise - 1600 Hz NB

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



Distortion (Noise) RCV (packed): 41.06 dB (0.89%) Ok

Ok

2023/10/19 上午 11:42 ACQUA 5.1.200

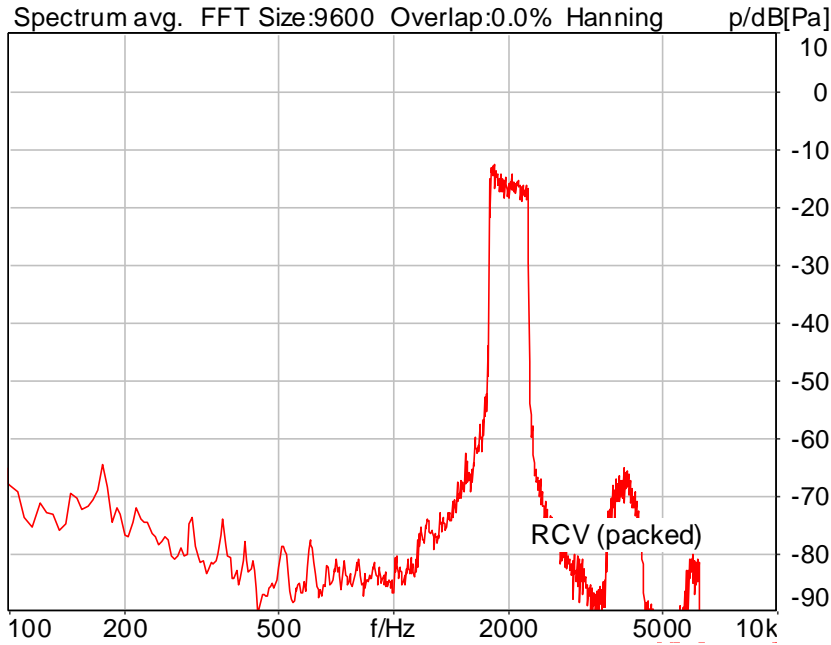
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 2000 Hz NB

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



Distortion (Noise) RCV (packed): 43.87 dB (0.64%) Ok

Ok

2023/10/19 上午 11:43 ACQUA 5.1.200

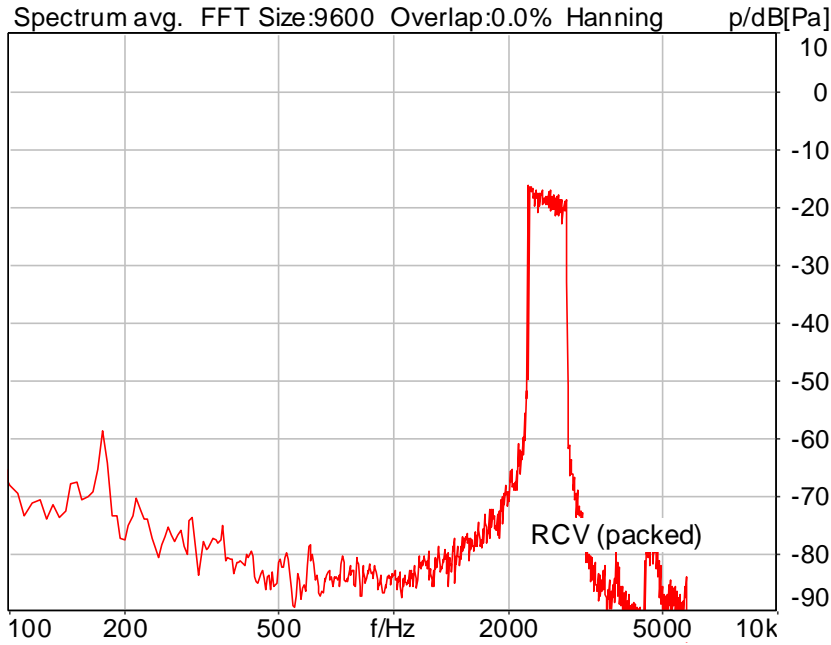
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 2500 Hz NB

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



Distortion (Noise) RCV (packed): 45.65 dB (0.52%) Ok

Ok

2023/10/19 上午 11:43 ACQUA 5.1.200

Limits

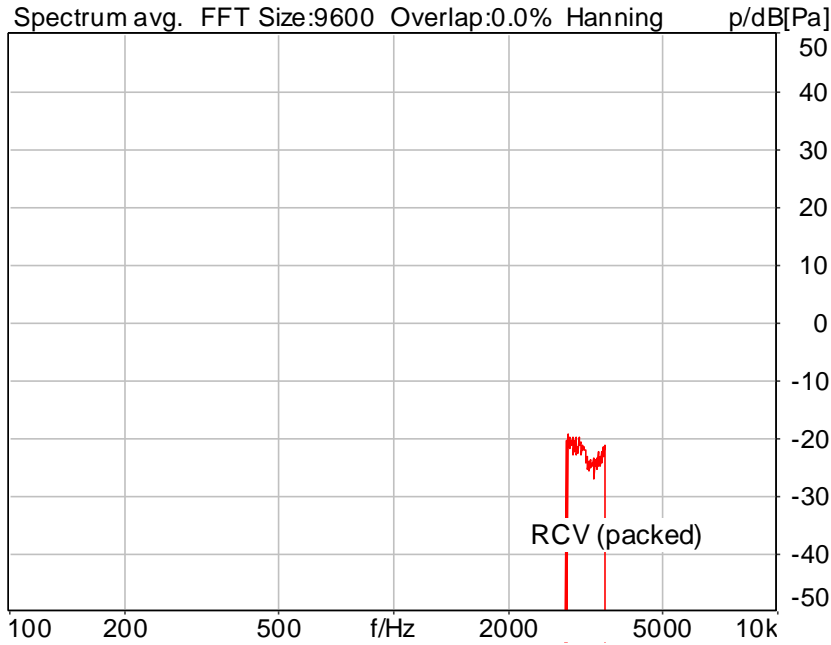
	lower
Run 1	20.00 dB





### 5.2 RCV Distortion and Noise - 3150 Hz NB

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



Distortion (Noise) RCV (packed): 43.50 dB (0.67%) Ok

Ok

2023/10/19 上午 11:44 ACQUA 5.1.200

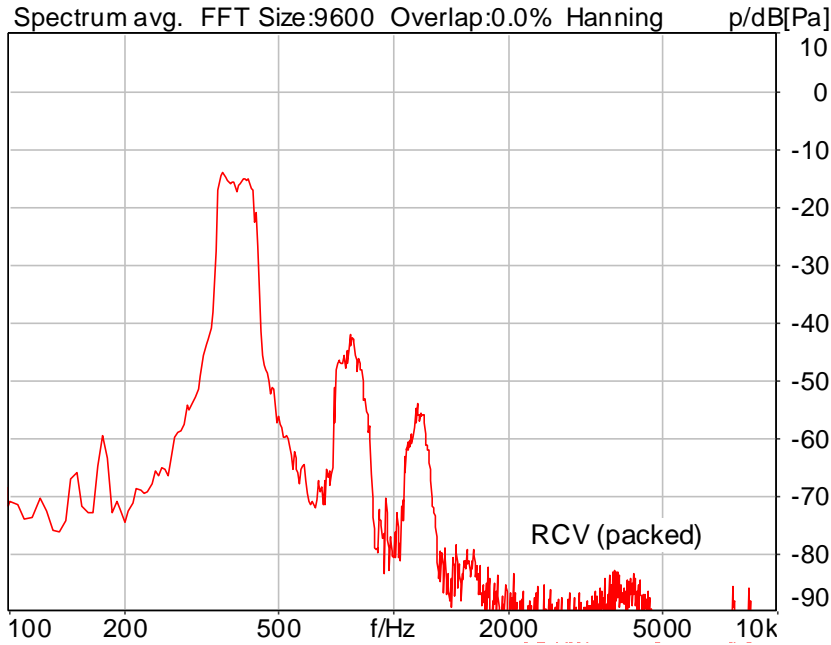
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 400 Hz NB

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



Distortion (Noise) RCV (packed): 28.66 dB (3.69%) Ok

Ok

2023/10/19 上午 11:45 ACQUA 5.1.200

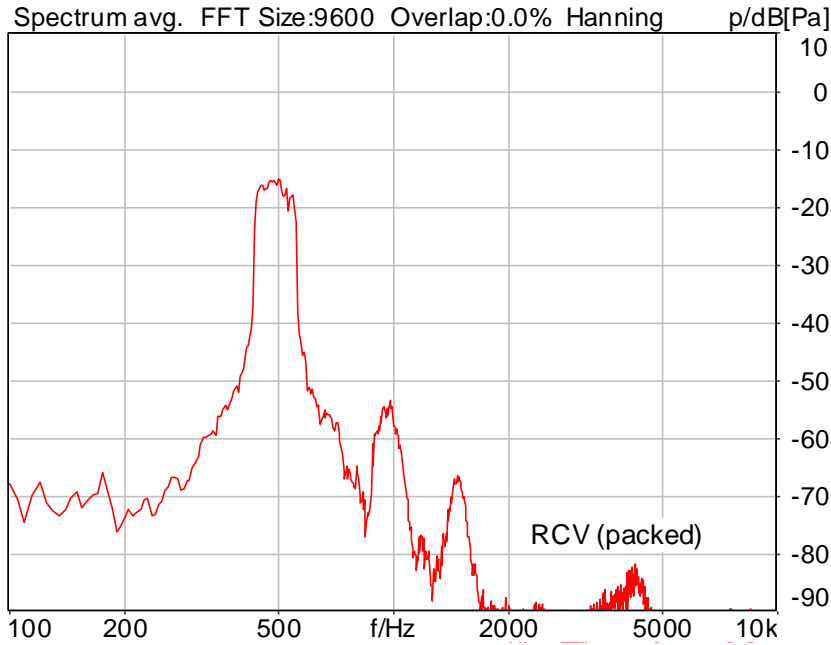
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 500 Hz NB

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



Distortion (Noise) RCV (packed): 34.94 dB (1.79%) Ok

Ok

2023/10/19 上午 11:45 ACQUA 5.1.200

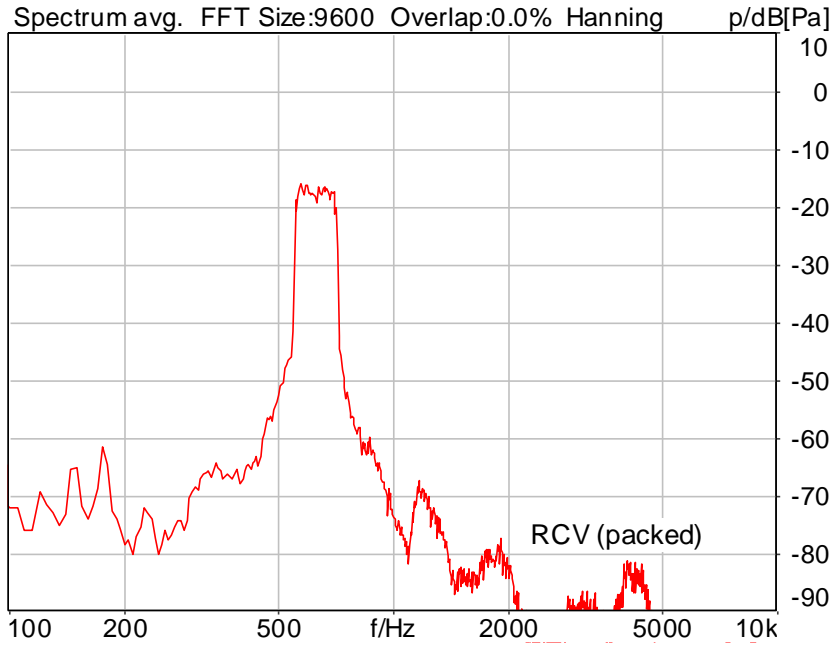
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 630 Hz NB

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



Distortion (Noise) RCV (packed): 38.44 dB (1.20%) Ok

Ok

2023/10/19 上午 11:46 ACQUA 5.1.200

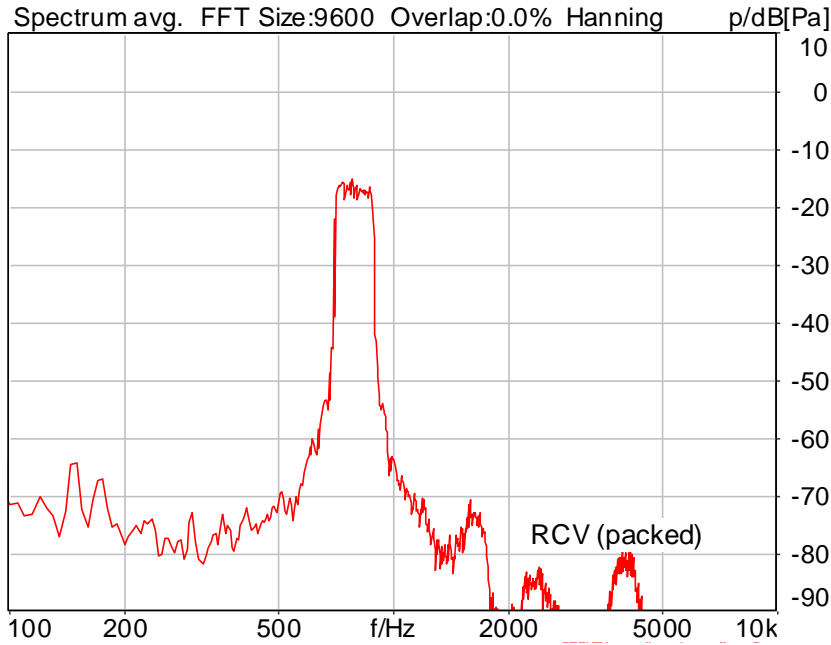
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 800 Hz NB

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



Distortion (Noise) RCV (packed): 41.54 dB (0.84%) Ok

Ok

2023/10/19 上午 11:46 ACQUA 5.1.200

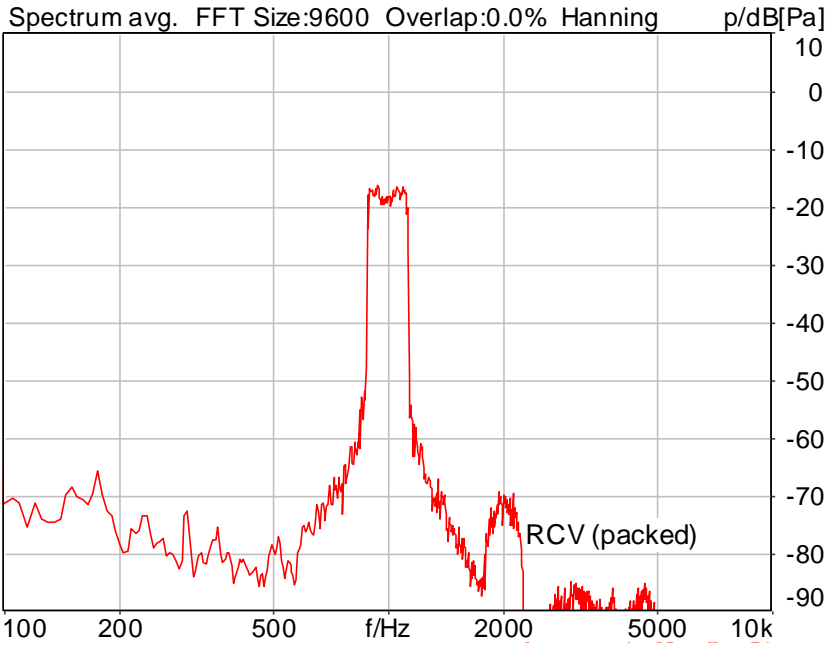
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 1000 Hz NB

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



Distortion (Noise) RCV (packed): 43.21 dB (0.69%) Ok

Ok

2023/10/19 上午 11:47 ACQUA 5.1.200

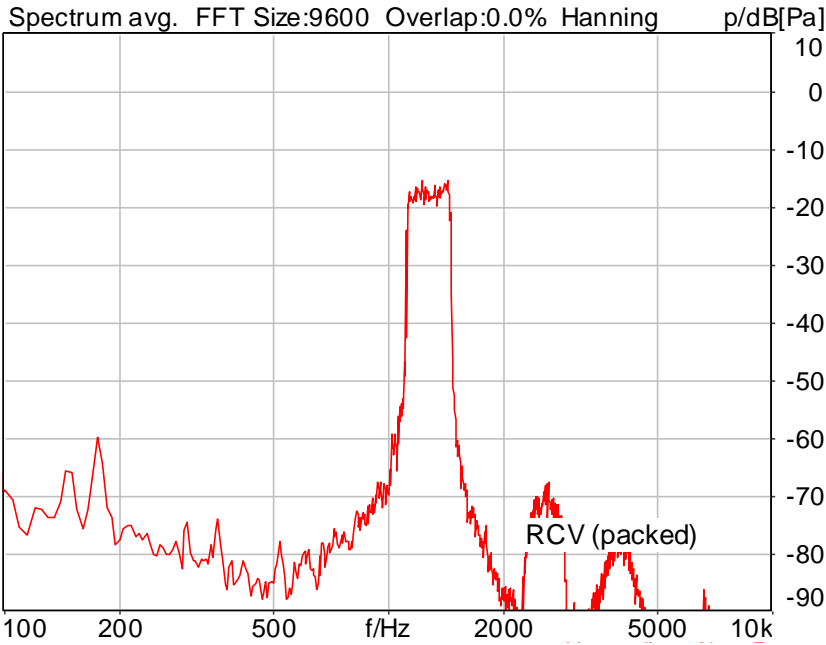
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 1250 Hz NB

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



Distortion (Noise) RCV (packed): 33.33 dB (2.15%) Ok

Ok

2023/10/19 上午 11:47 ACQUA 5.1.200

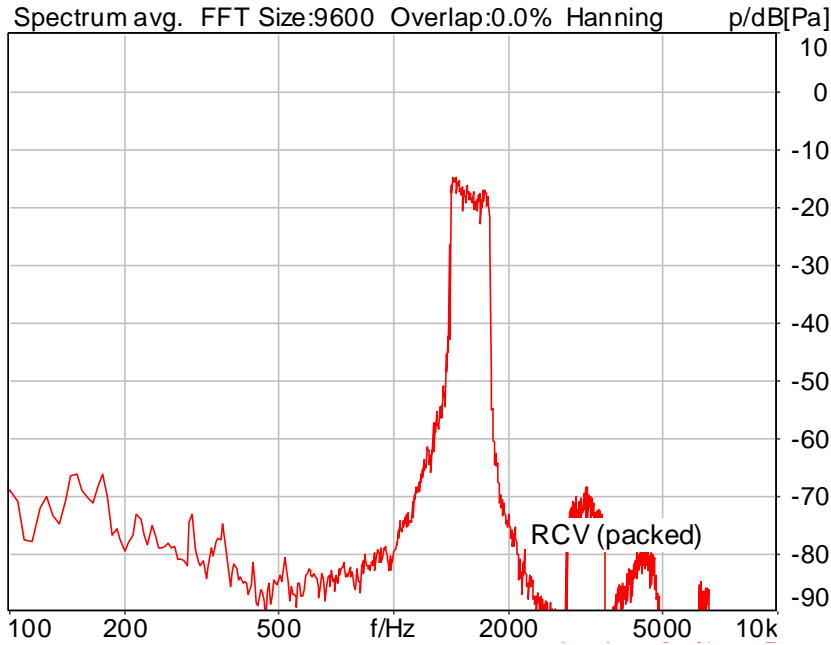
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 1600 Hz NB

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



Distortion (Noise) RCV (packed): 40.66 dB (0.93%) Ok

Ok

2023/10/19 上午 11:48 ACQUA 5.1.200

Limits

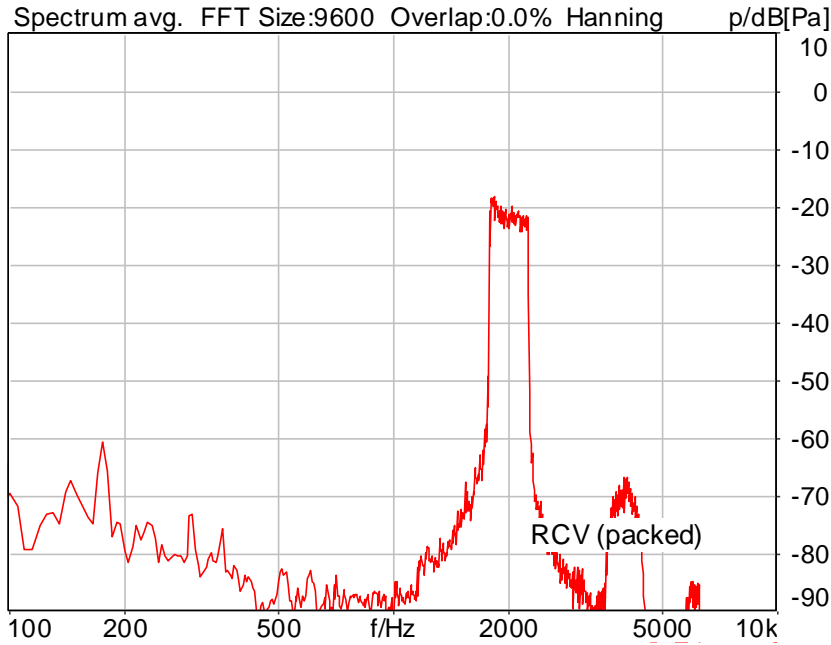
	lower
Run 1	20.00 dB





### 5.2 RCV Distortion and Noise - 2000 Hz NB

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



Distortion (Noise) RCV (packed): 42.29 dB (0.77%) Ok

Ok

2023/10/19 上午 11:48 ACQUA 5.1.200

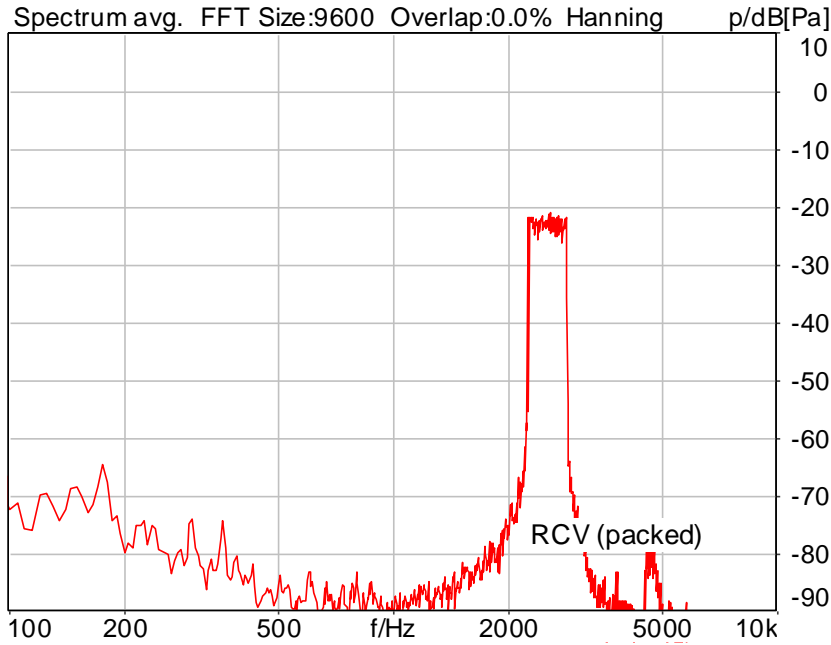
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 2500 Hz NB

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



Distortion (Noise) RCV (packed): 46.08 dB (0.50%) Ok

Ok

2023/10/19 上午 11:48 ACQUA 5.1.200

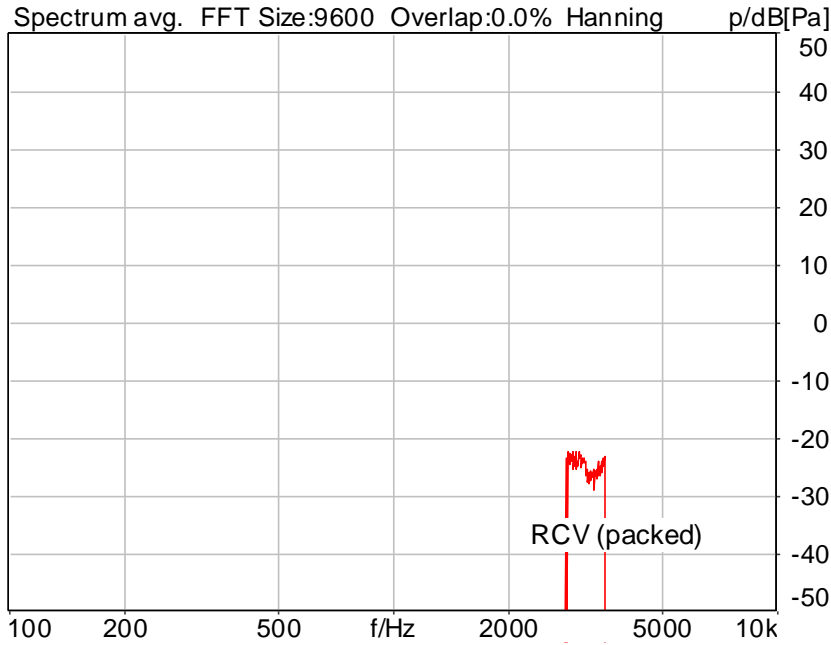
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 3150 Hz NB

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



Distortion (Noise) RCV (packed): 44.57 dB (0.59%) Ok

Ok

2023/10/19 上午 11:49 ACQUA 5.1.200

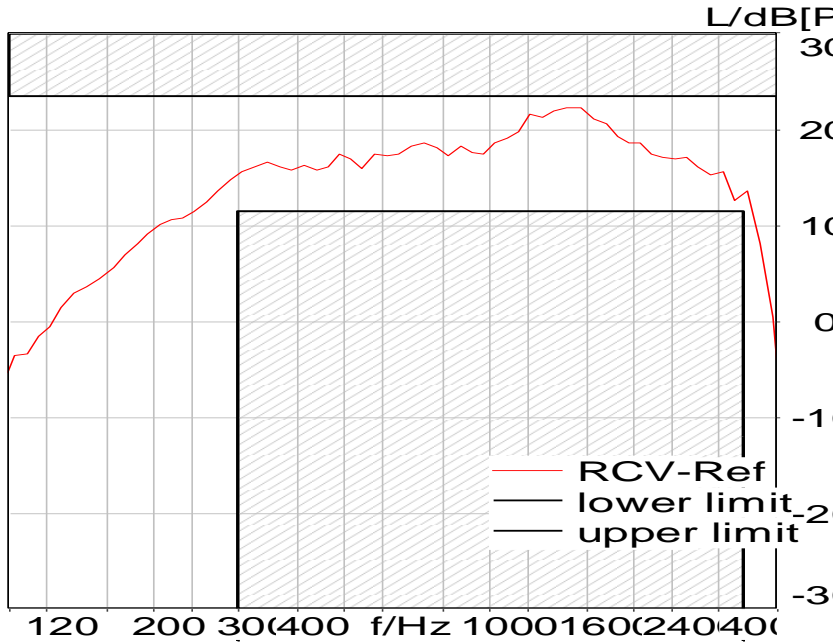
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF HANB

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



Absolute minimal distance  
1.13 dB at 1447.5 Hz Ok

Ok

2023/10/19 上午 11:50 ACQUA 5.1.200

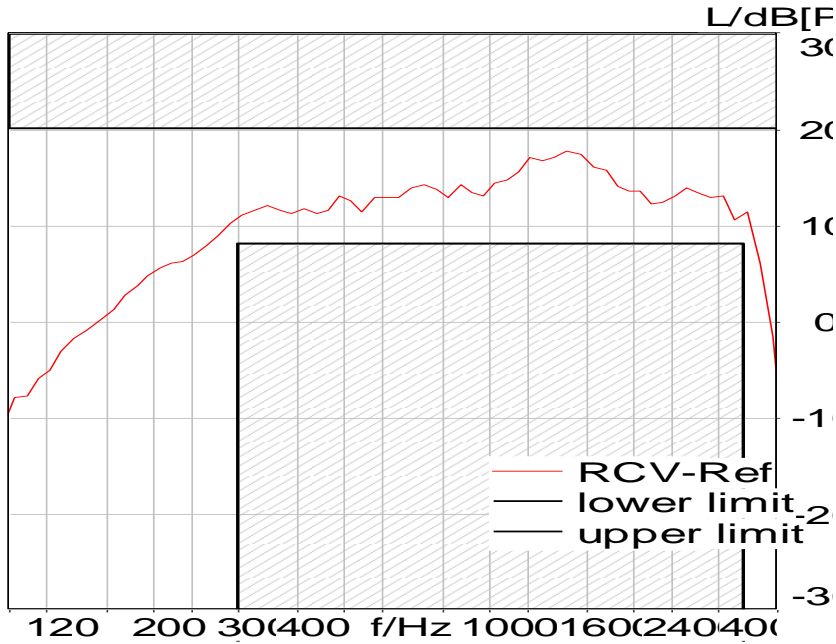
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF HANB

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



Absolute minimal distance  
2.42 dB at 1447.5 Hz Ok

Ok

2023/10/19 上午 11:51 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#15 FR1 n26 EVS WB 24.4kbps

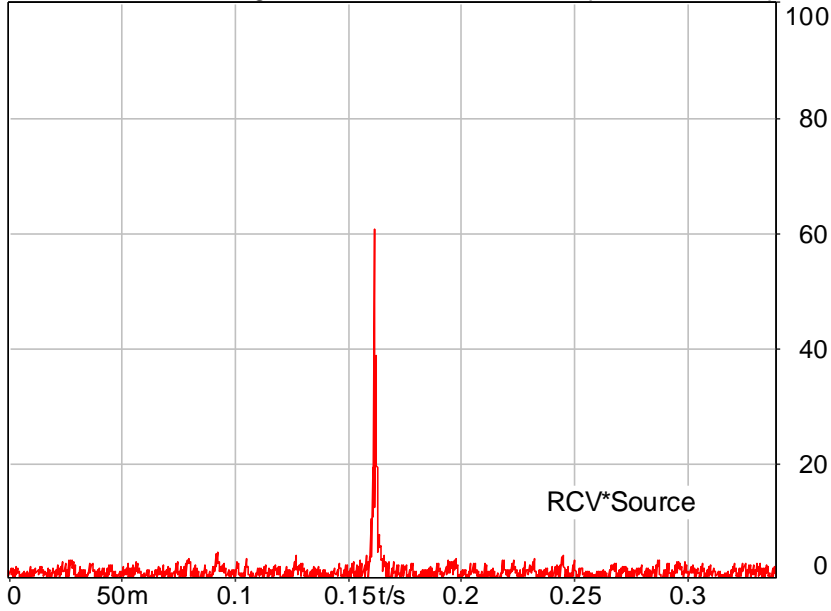
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	162.0
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.68
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.96
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.33
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.32
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.08
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.18
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.98
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.90
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.28
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.91
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.96
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.11
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.15
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.25
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.32
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.57
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.25
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.34
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.27
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.35
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.92
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.91
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.21
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.01
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.52
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.23
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.02
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.83
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.32
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.47
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 205.7 Hz	2.44
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.00



### Overall Receive Delay WB

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

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



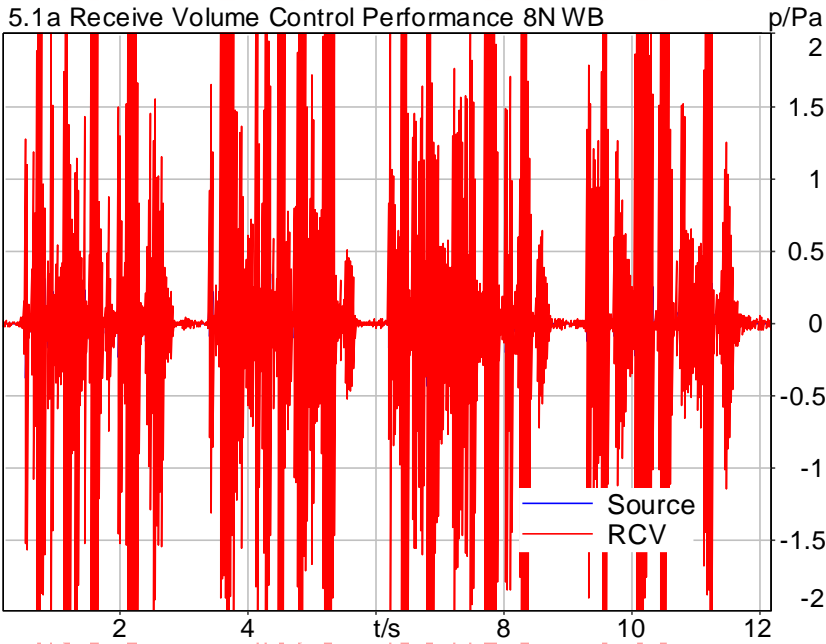
Delay (Cross): 162.0 ms

2023/10/19 下午 12:22 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.68 dB[SPL], Act.: 59.85% Ok

Ok

2023/10/19 下午 12:22 ACQUA 5.1.200

Limits

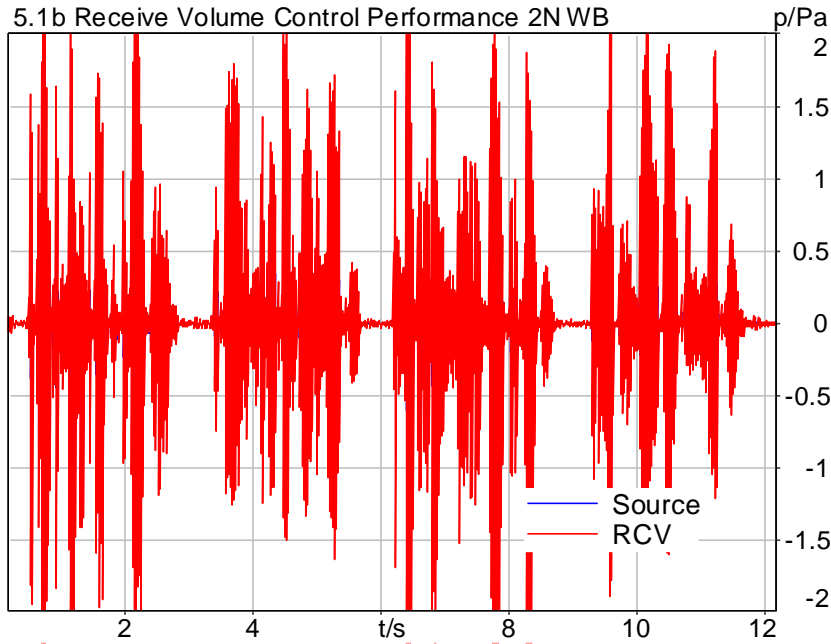
	lower
Run 1	88.00 dB20uPa





### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.96 dB[SPL], Act.: 25.40% Ok

Ok

2023/10/19 下午 12:23 ACQUA 5.1.200

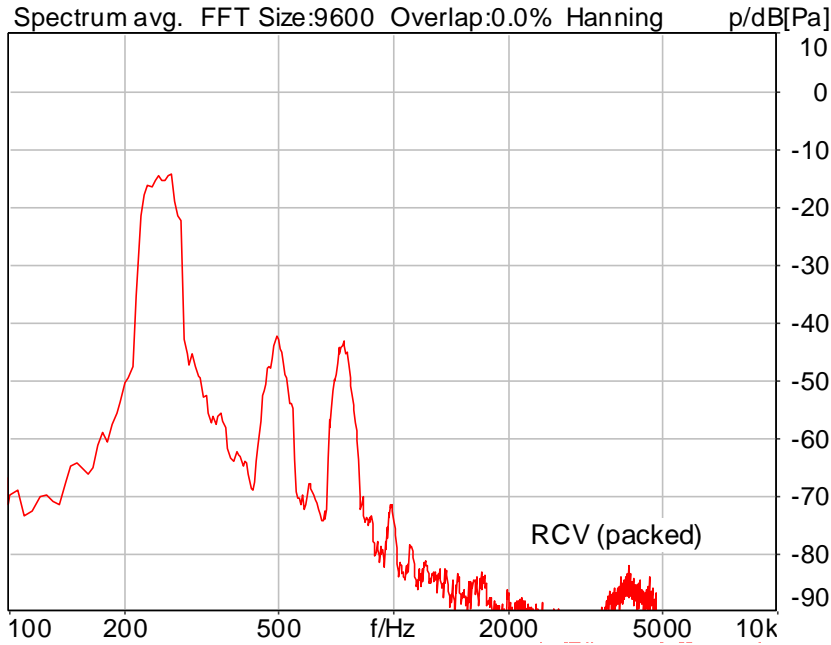
Limits

	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): 27.33 dB (4.30%) Ok

Ok

2023/10/19 下午 12:23 ACQUA 5.1.200

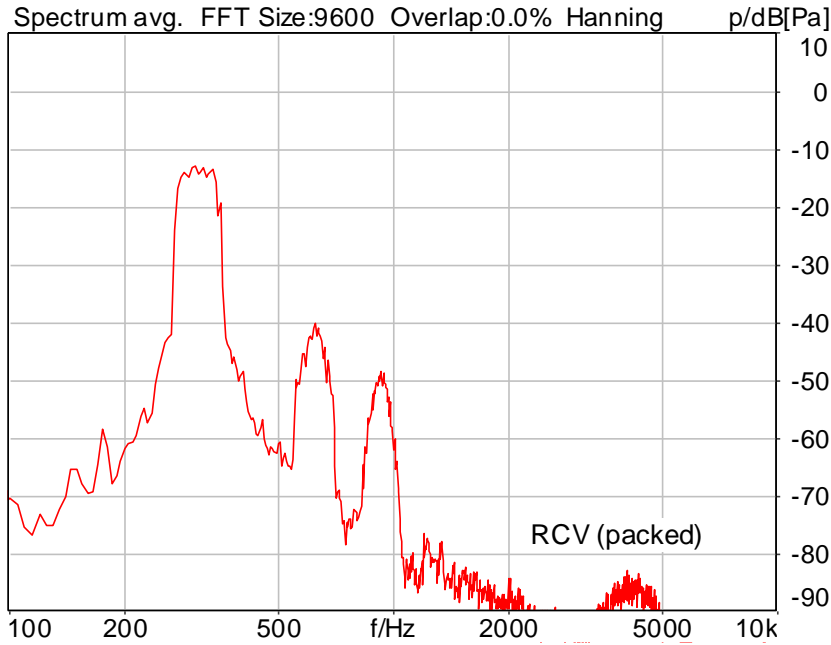
Limits

	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): 28.32 dB (3.84%) Ok

Ok

2023/10/19 下午 12:24 ACQUA 5.1.200

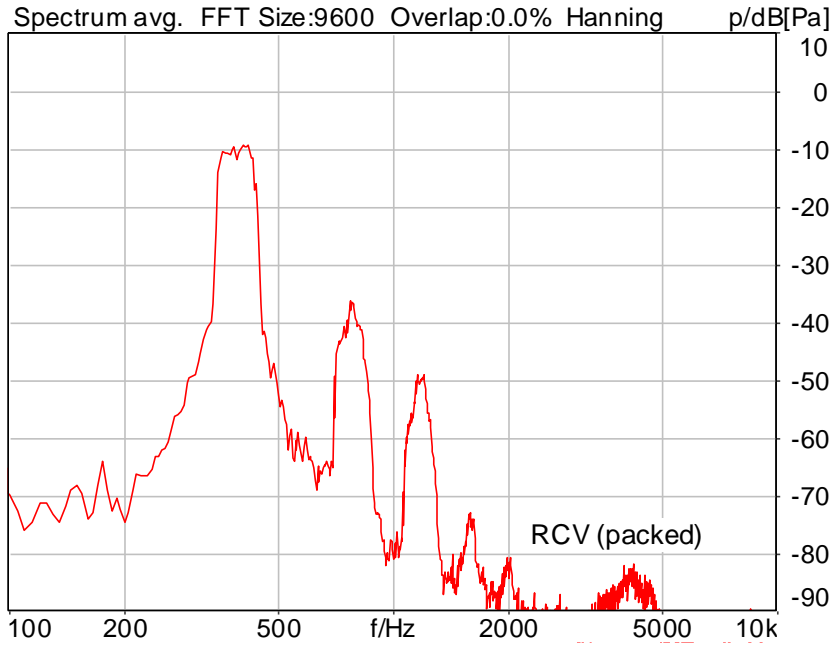
Limits

	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): 28.08 dB (3.95%) Ok

Ok

2023/10/19 下午 12:24 ACQUA 5.1.200

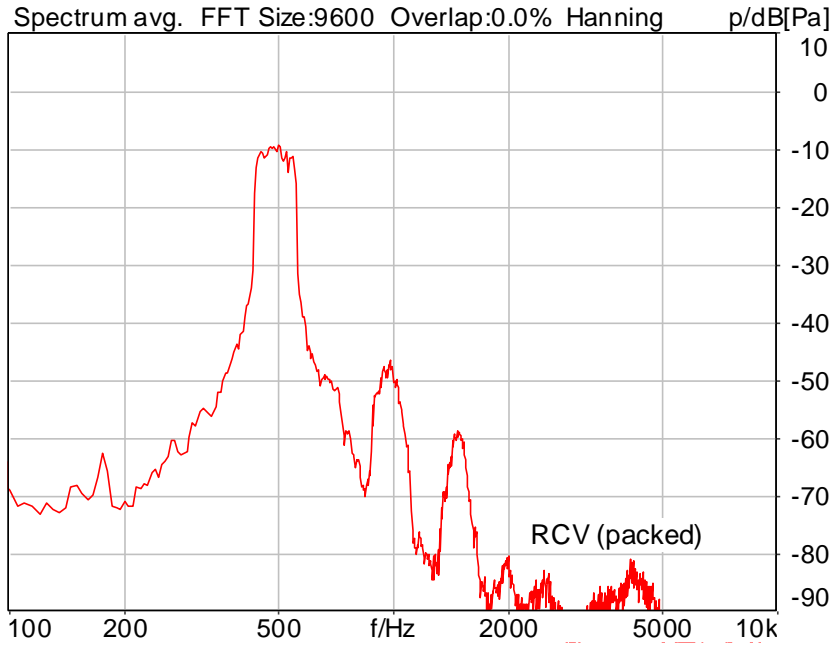
Limits

	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): 34.18 dB (1.95%) Ok

Ok

2023/10/19 下午 12:25 ACQUA 5.1.200

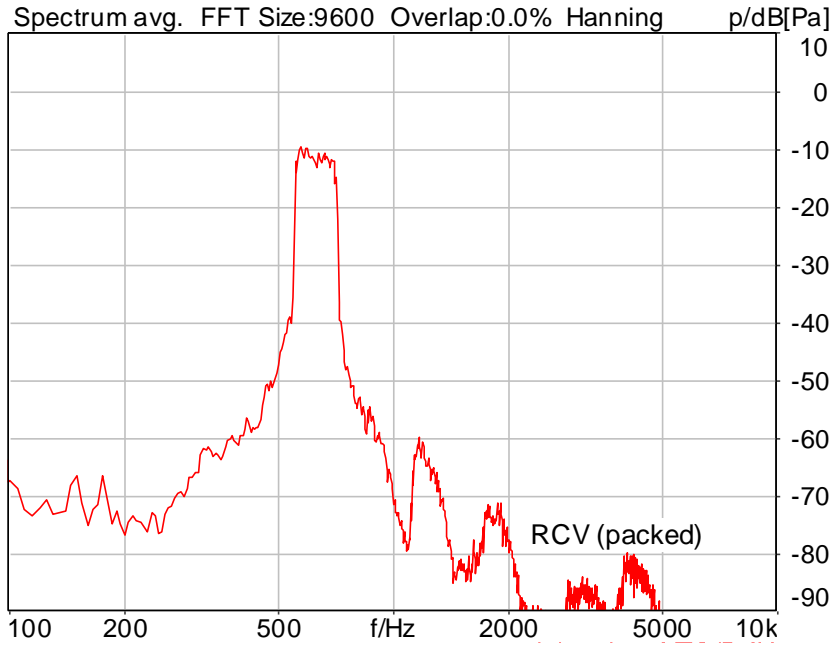
Limits

	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



Distortion (Noise) RCV (packed): 38.98 dB (1.13%) Ok

Ok

2023/10/19 下午 12:25 ACQUA 5.1.200

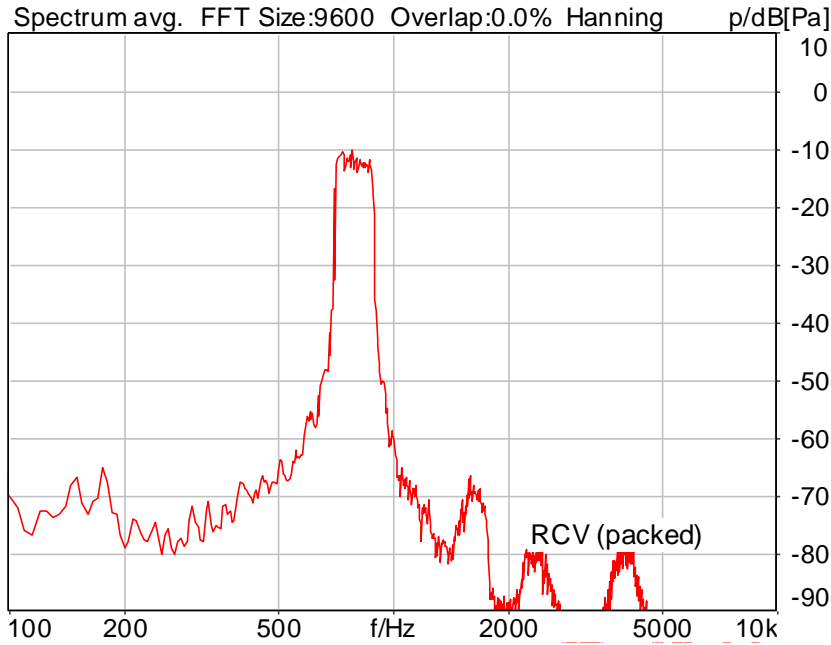
Limits

	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): 41.90 dB (0.80%) Ok

Ok

2023/10/19 下午 12:26 ACQUA 5.1.200

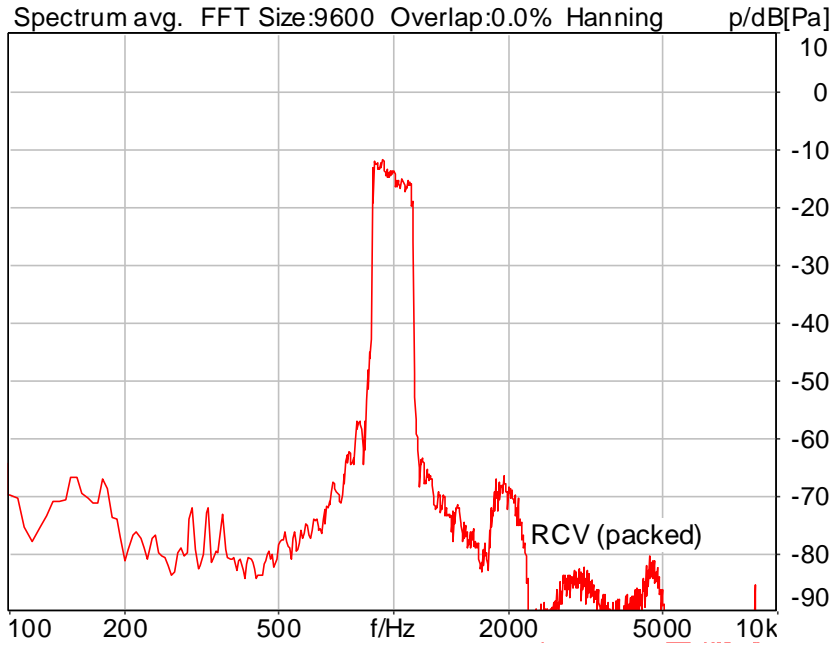
Limits

	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



Distortion (Noise) RCV (packed): 46.28 dB (0.49%) Ok

Ok

2023/10/19 下午 12:26 ACQUA 5.1.200

Limits

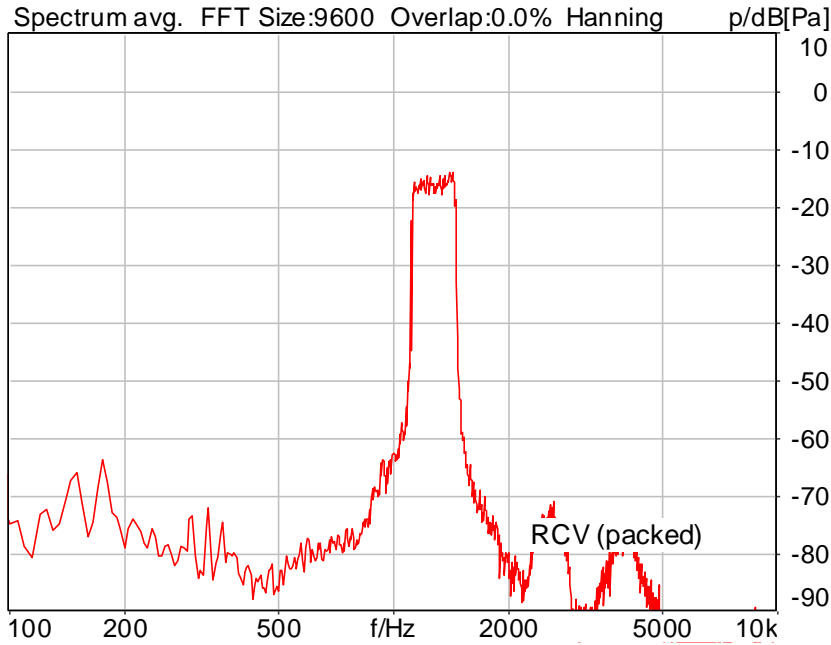
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 32.91 dB (2.26%) Ok

Ok

2023/10/19 下午 12:27 ACQUA 5.1.200

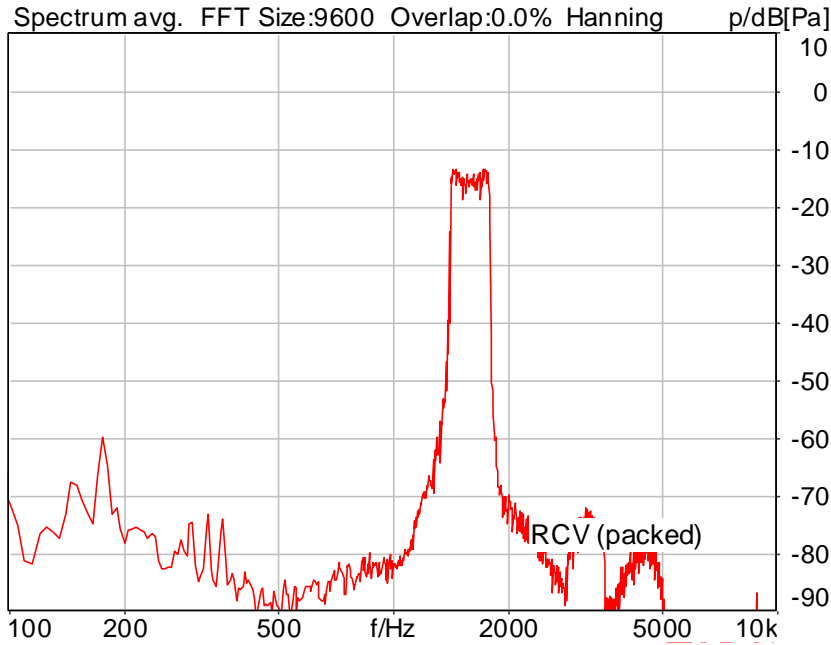
Limits

	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



Distortion (Noise) RCV (packed): 44.96 dB (0.56%) Ok

Ok

2023/10/19 下午 12:27 ACQUA 5.1.200

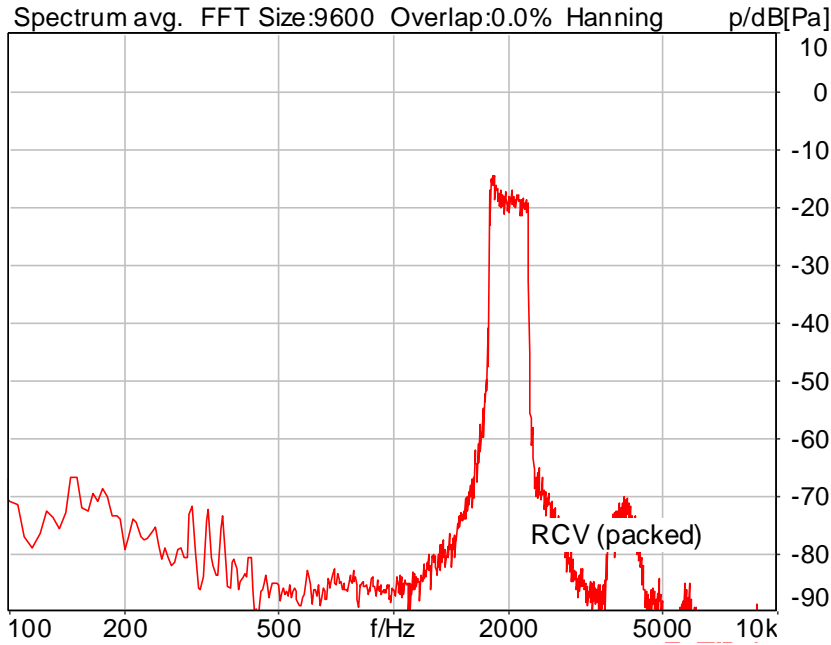
Limits

	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): 42.11 dB (0.78%) Ok

Ok

2023/10/19 下午 12:28 ACQUA 5.1.200

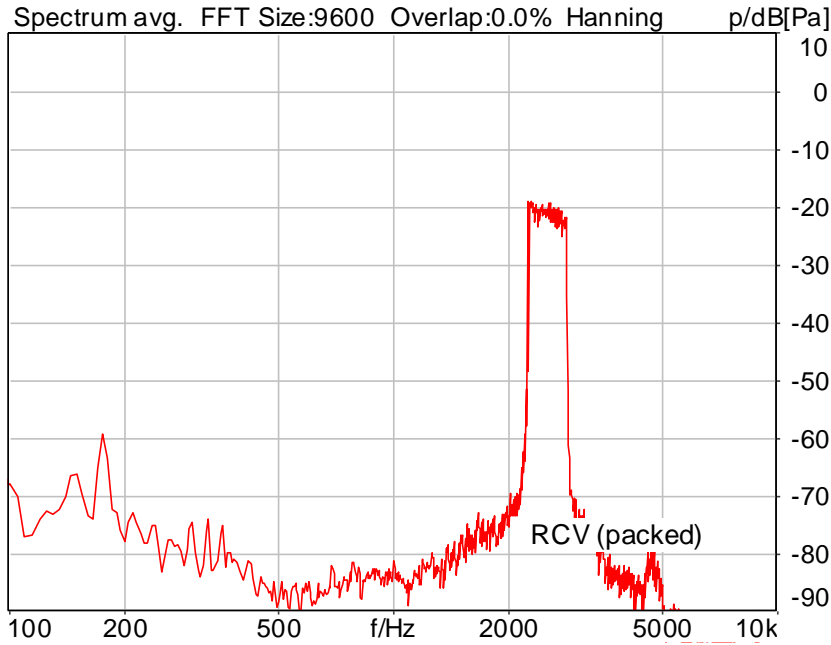
Limits

	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



Distortion (Noise) RCV (packed): 46.15 dB (0.49%) Ok

Ok

2023/10/19 下午 12:28 ACQUA 5.1.200

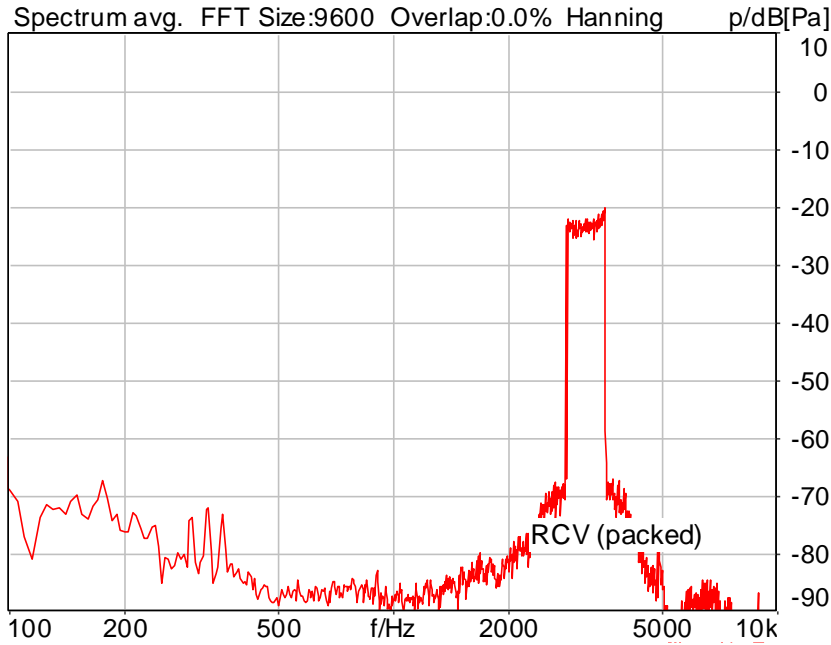
Limits

	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



Distortion (Noise) RCV (packed): 44.25 dB (0.61%) Ok

**Ok**

2023/10/19 下午 12:29 ACQUA 5.1.200

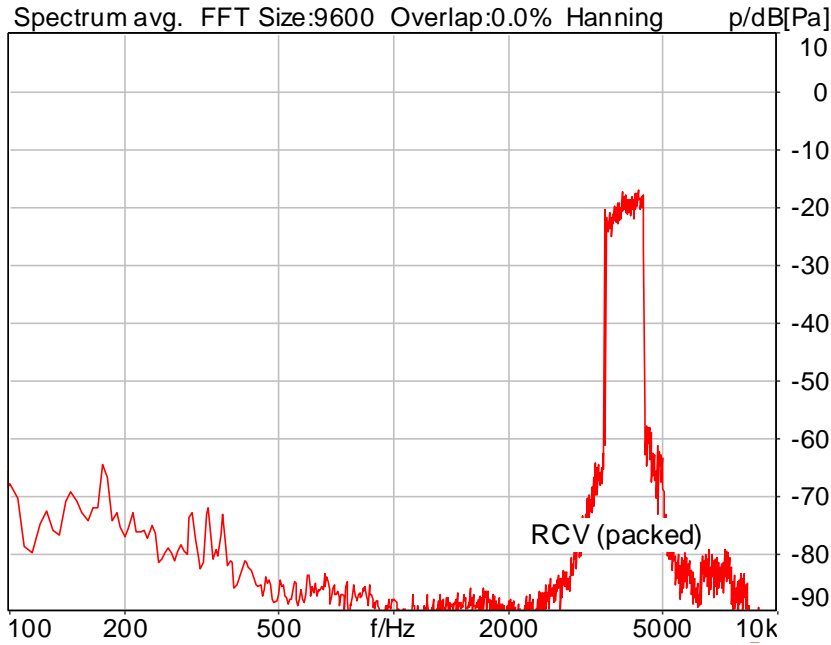
**Limits**

	<b>lower</b>
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): 43.32 dB (0.68%) Ok

Ok

2023/10/19 下午 12:29 ACQUA 5.1.200

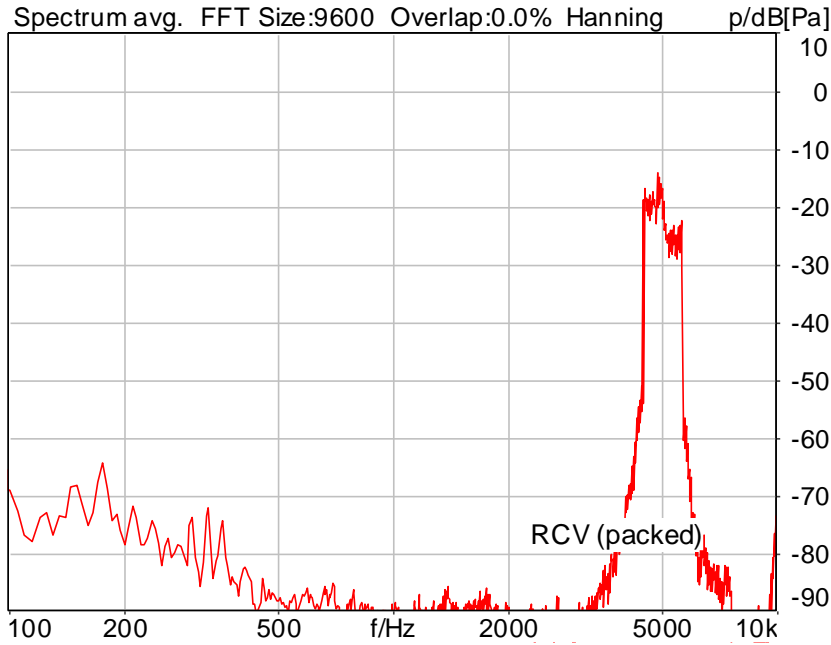
Limits

	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



Distortion (Noise) RCV (packed): 40.57 dB (0.94%) Ok

Ok

2023/10/19 下午 12:30 ACQUA 5.1.200

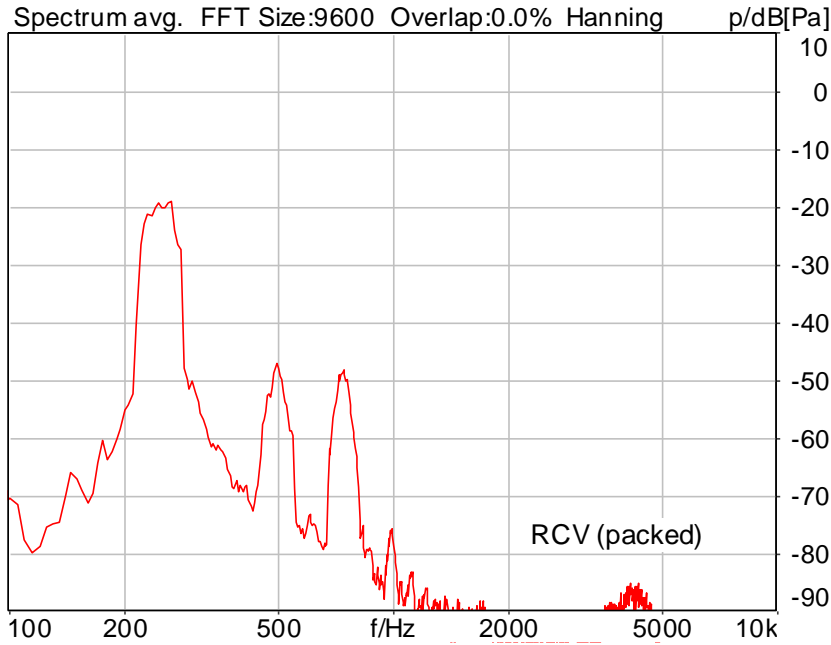
Limits

	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



Distortion (Noise) RCV (packed): 27.25 dB (4.34%) Ok

Ok

2023/10/19 下午 12:31 ACQUA 5.1.200

Limits

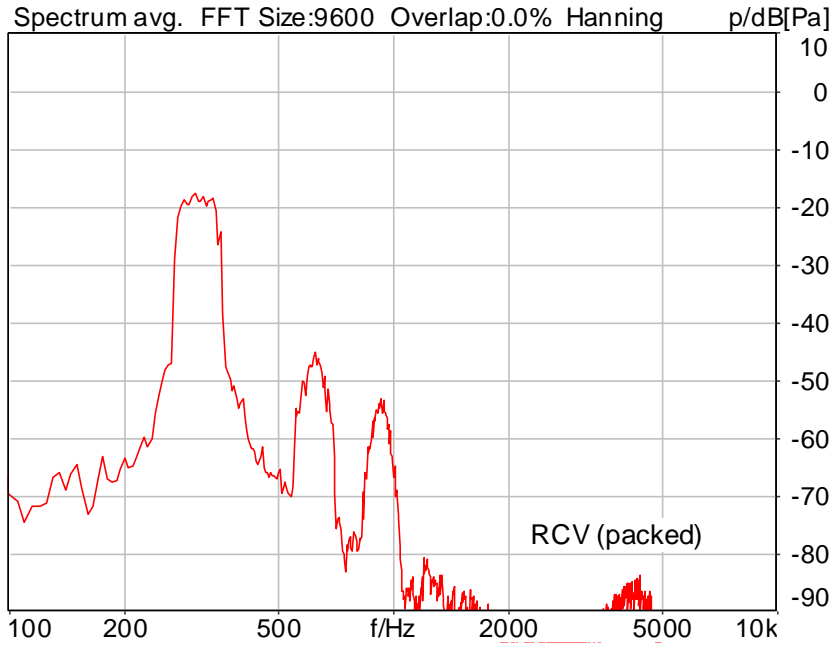
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 28.34 dB (3.83%) Ok

Ok

2023/10/19 下午 12:31 ACQUA 5.1.200

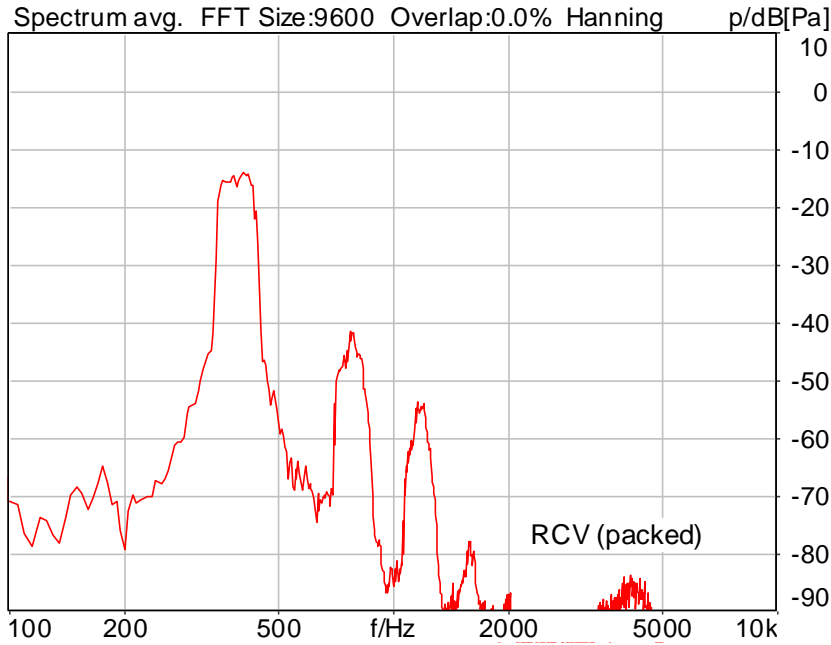
Limits

	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



Distortion (Noise) RCV (packed): 28.27 dB (3.86%) Ok

Ok

2023/10/19 下午 12:32 ACQUA 5.1.200

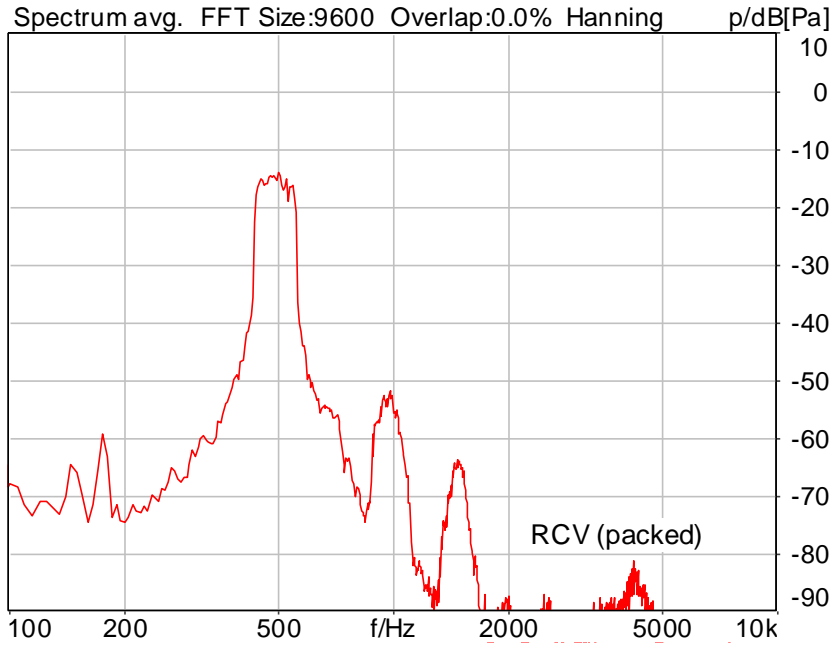
Limits

	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



Distortion (Noise) RCV (packed): 34.35 dB (1.92%) Ok

Ok

2023/10/19 下午 12:32 ACQUA 5.1.200

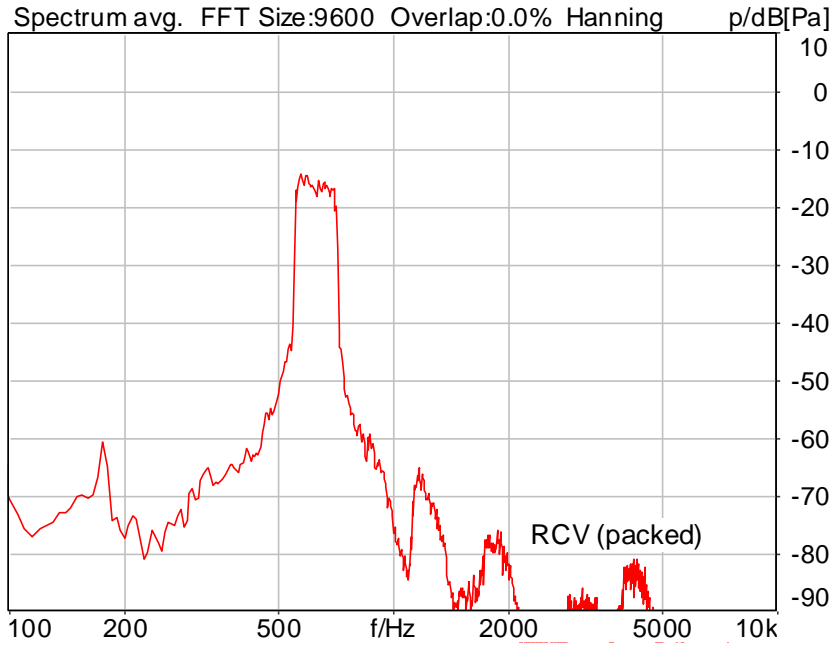
Limits

	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): 38.92 dB (1.13%) Ok

Ok

2023/10/19 下午 12:33 ACQUA 5.1.200

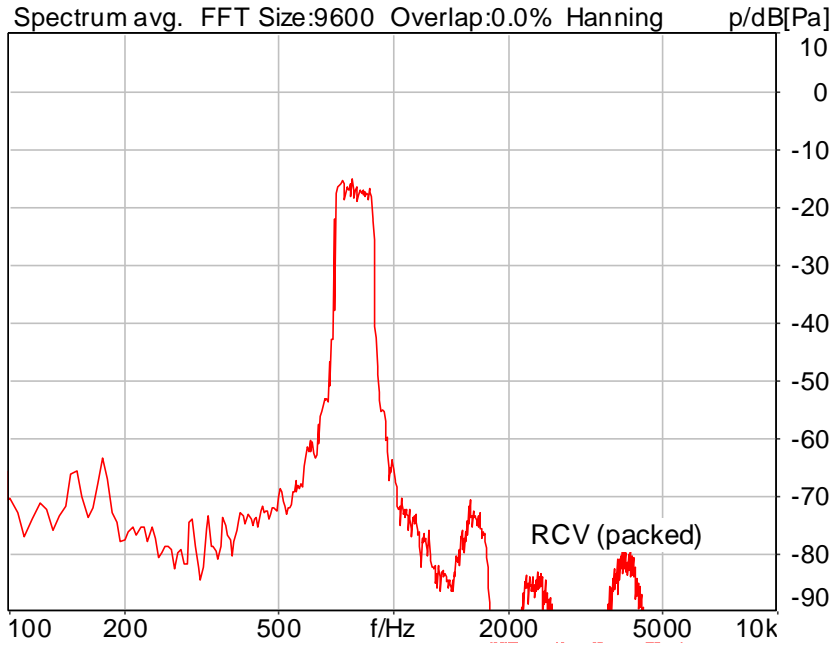
Limits

	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): 41.91 dB (0.80%) Ok

Ok

2023/10/19 下午 12:33 ACQUA 5.1.200

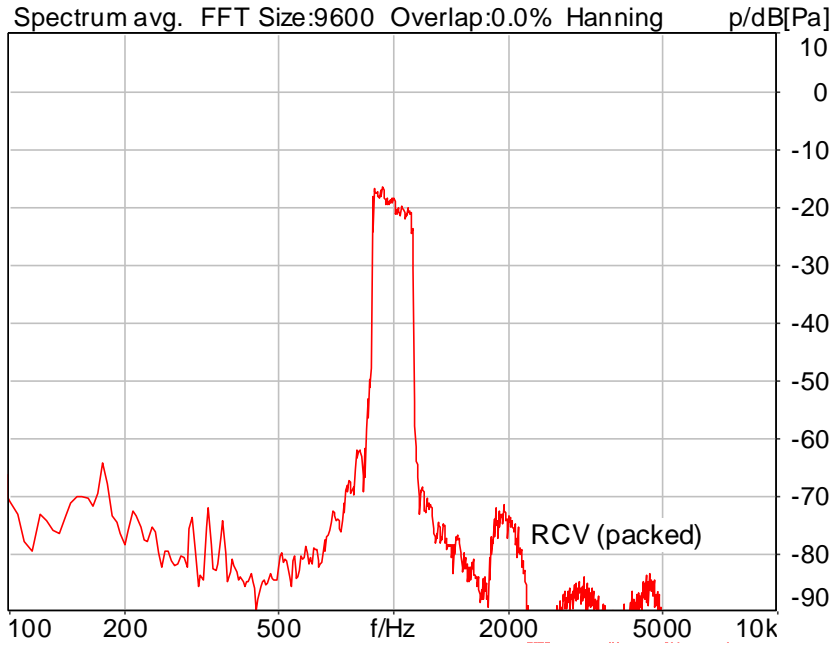
Limits

	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



Distortion (Noise) RCV (packed): 46.21 dB (0.49%) Ok

Ok

2023/10/19 下午 12:34 ACQUA 5.1.200

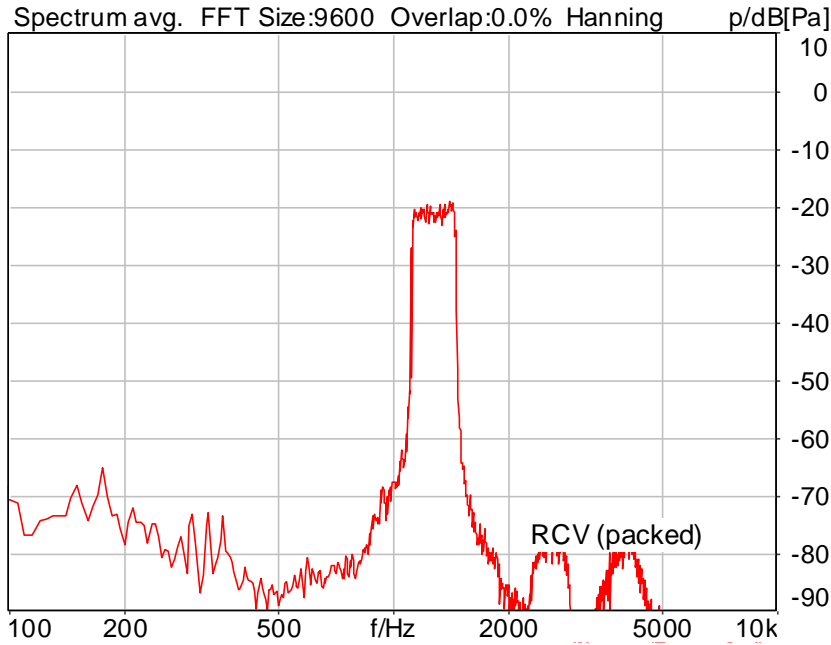
Limits

	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): 33.01 dB (2.23%) Ok

Ok

2023/10/19 下午 12:34 ACQUA 5.1.200

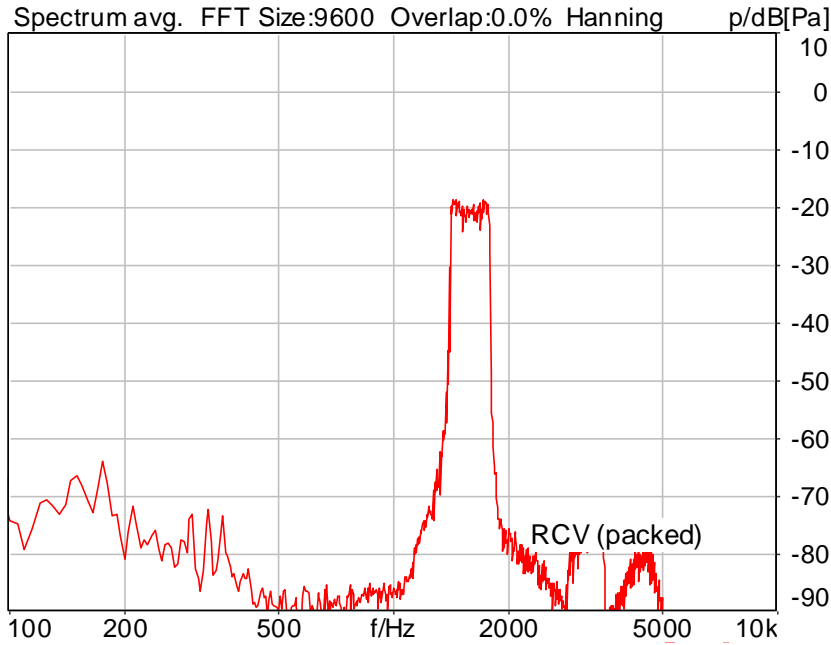
Limits

	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



Distortion (Noise) RCV (packed): 44.52 dB (0.59%) Ok

Ok

2023/10/19 下午 12:35 ACQUA 5.1.200

Limits

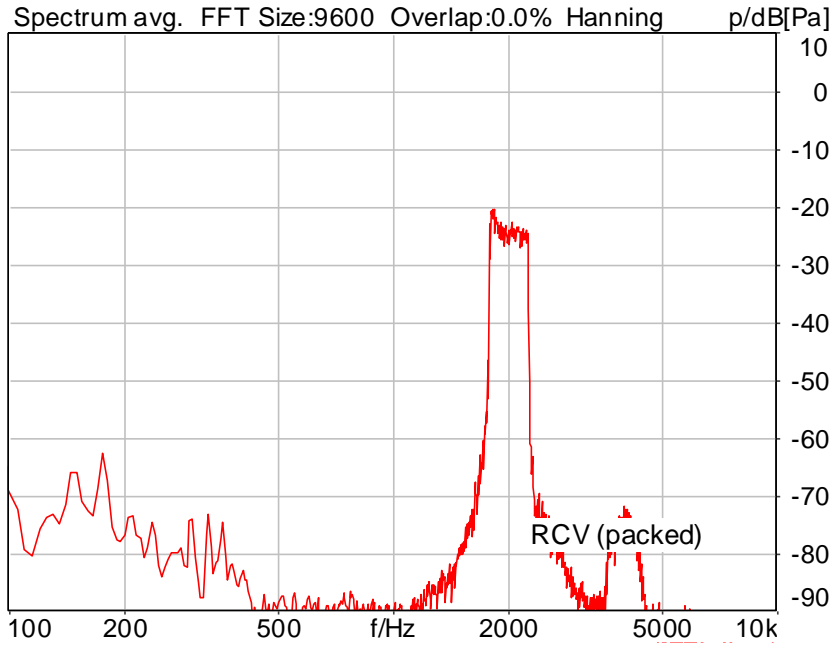
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 41.23 dB (0.87%) Ok

Ok

2023/10/19 下午 12:35 ACQUA 5.1.200

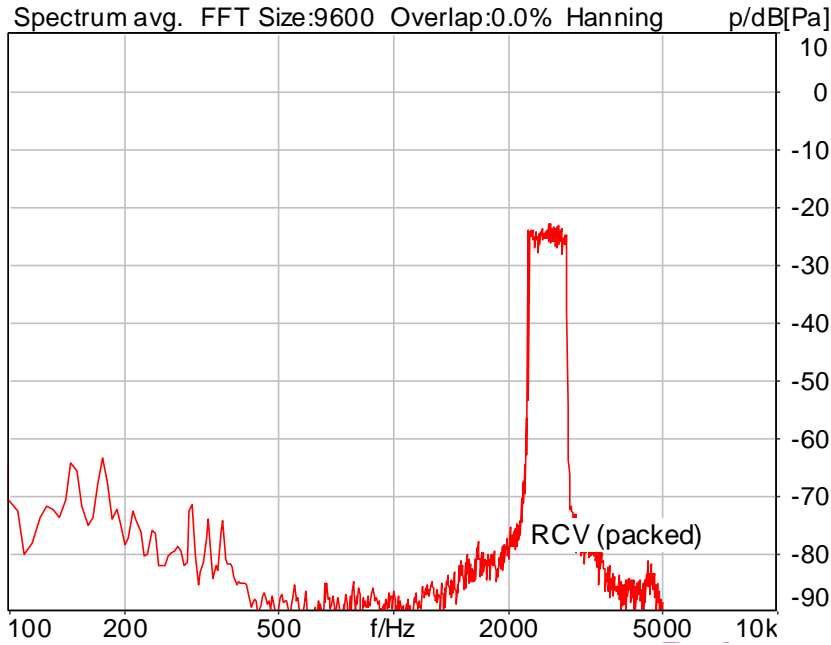
Limits

	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



Distortion (Noise) RCV (packed): 46.02 dB (0.50%) Ok

Ok

2023/10/19 下午 12:36 ACQUA 5.1.200

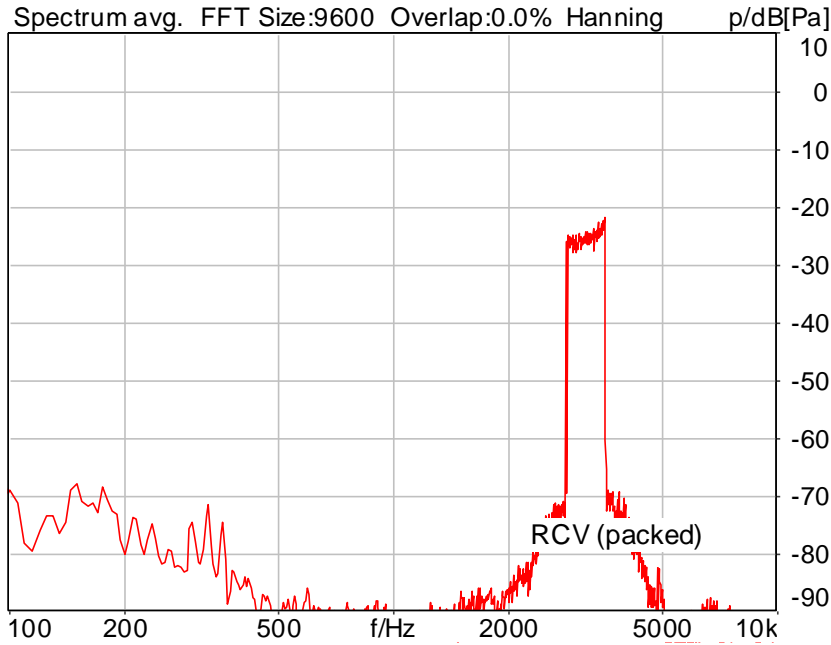
Limits

	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



Distortion (Noise) RCV (packed): 44.83 dB (0.57%) Ok

Ok

2023/10/19 下午 12:36 ACQUA 5.1.200

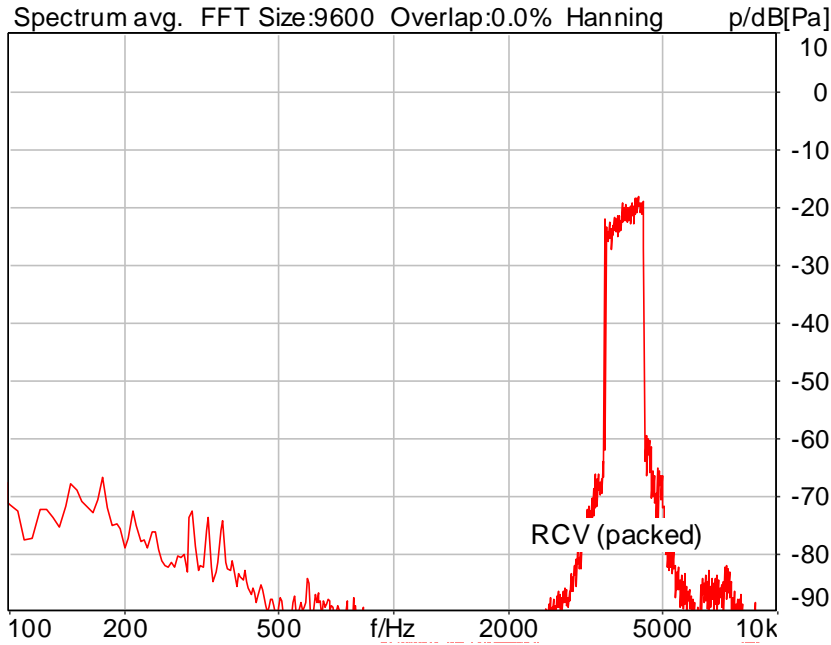
Limits

	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



Distortion (Noise) RCV (packed): 44.32 dB (0.61%) Ok

Ok

2023/10/19 下午 12:37 ACQUA 5.1.200

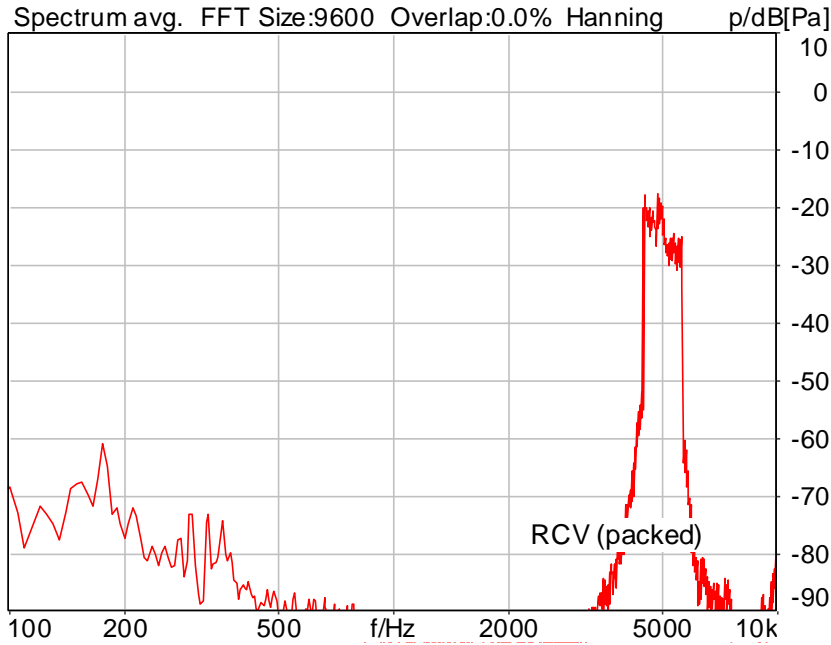
Limits

	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): 39.47 dB (1.06%) Ok

Ok

2023/10/19 下午 12:37 ACQUA 5.1.200

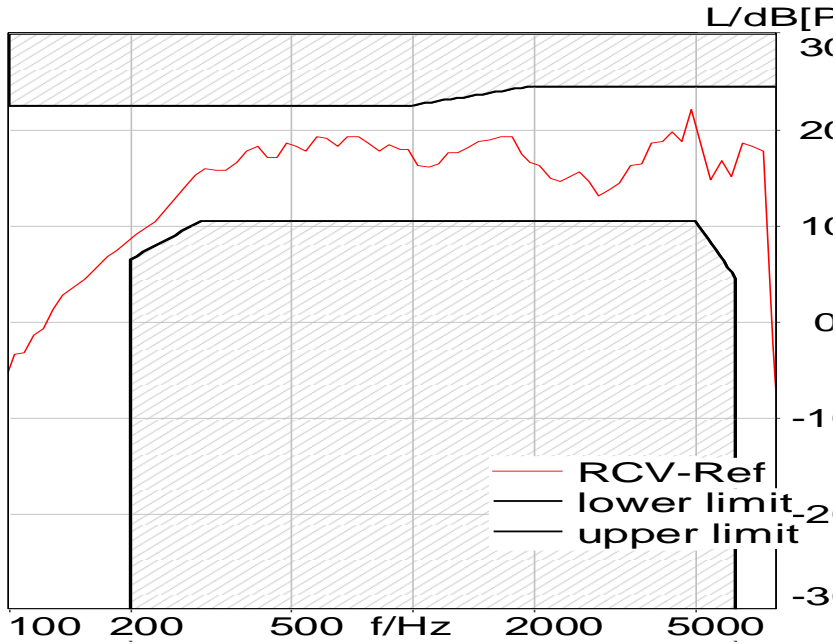
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.44 dB at 205.7 Hz Ok

Ok

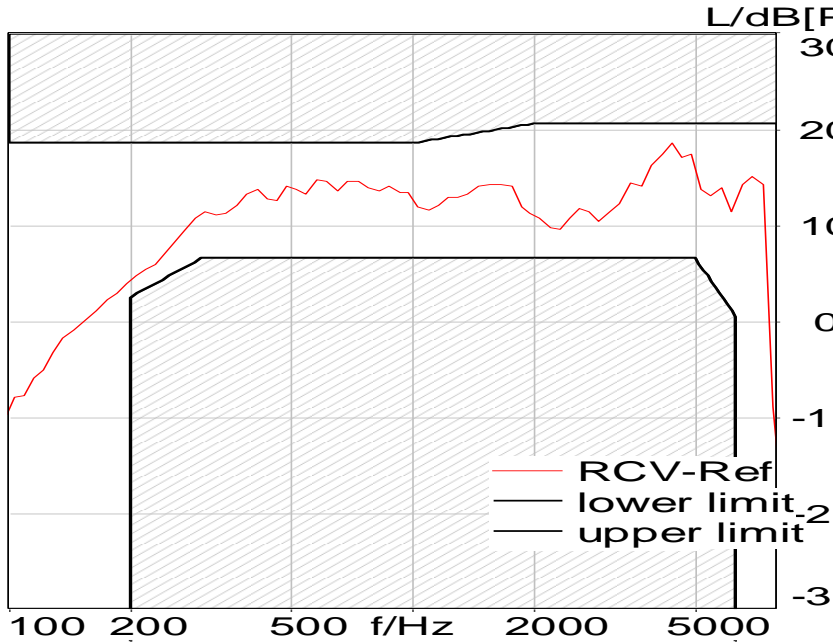
2023/10/19 下午 12:38 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.00 dB at 4369.4 Hz Ok

Ok

2023/10/19 下午 12:39 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#16 FR1 n30 EVS WB 24.4kbps

SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	157.7
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.67
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.60
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.65
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.76
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.60
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.44
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.87
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.86
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.45
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.52
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.80
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.99
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.18
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.45
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.95
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.16
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.51
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.82
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.81
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.50
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.81
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.74
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.36
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.02
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.22
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.16
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.95
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.33
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.58
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.99
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	2.93
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.19

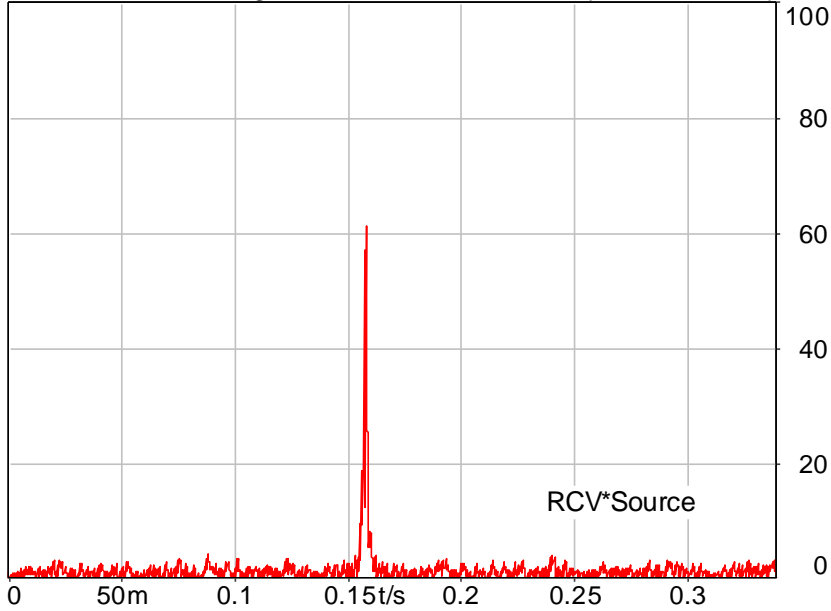




### Overall Receive Delay WB

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

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



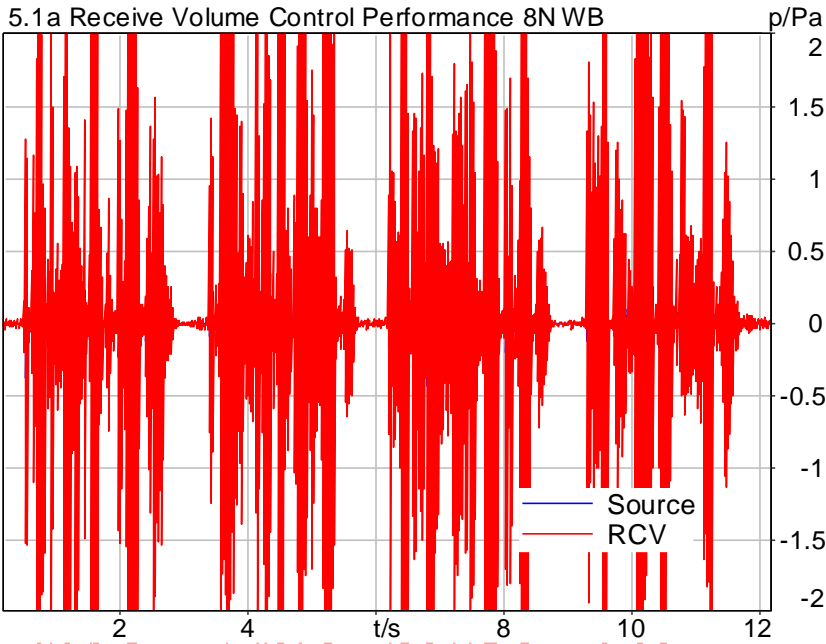
Delay (Cross): 157.7 ms

2023/10/19 下午 02:21 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.67 dB[SPL], Act.: 58.61% Ok

Ok

2023/10/19 下午 02:21 ACQUA 5.1.200

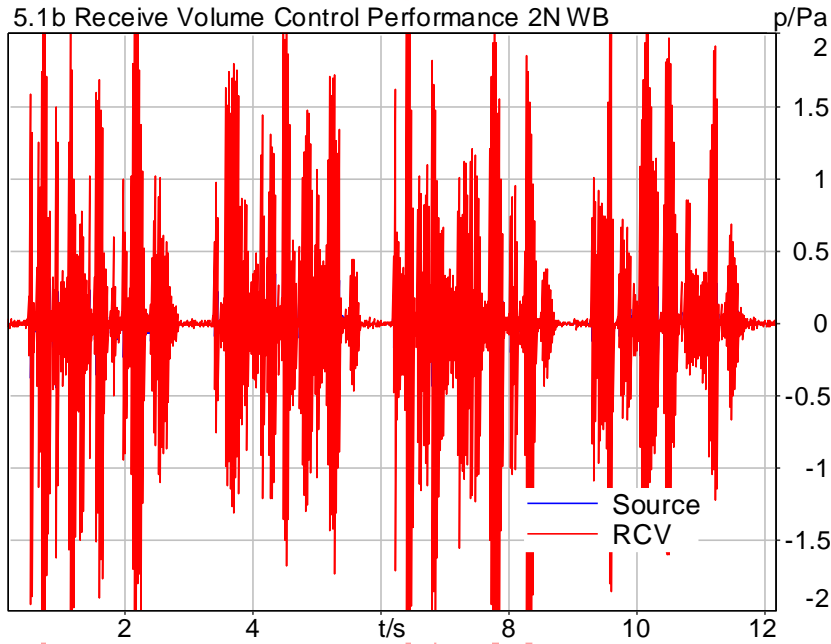
Limits

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.60 dB[SPL], Act.: 28.74% Ok

Ok

2023/10/19 下午 02:22 ACQUA 5.1.200

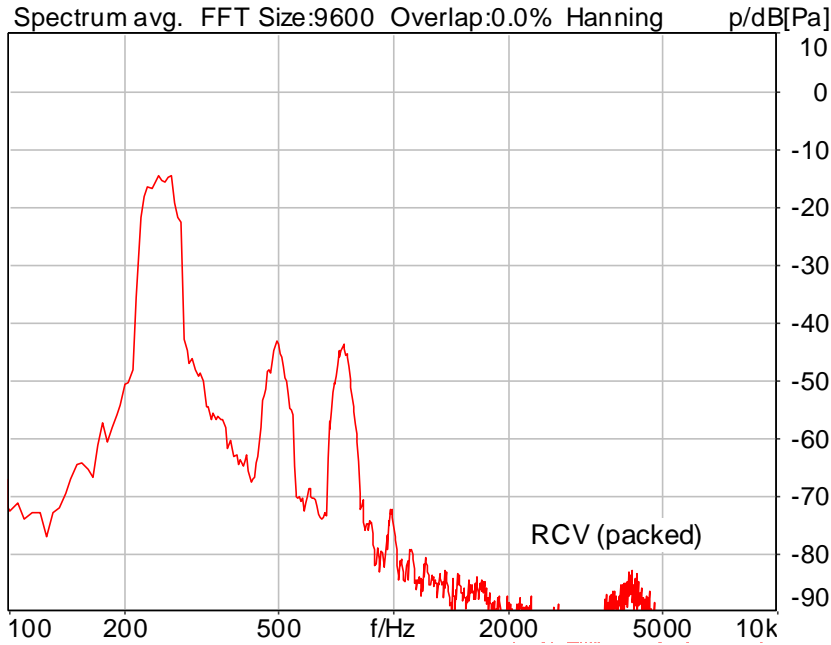
Limits

	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): 27.65 dB (4.14%) Ok

Ok

2023/10/19 下午 02:23 ACQUA 5.1.200

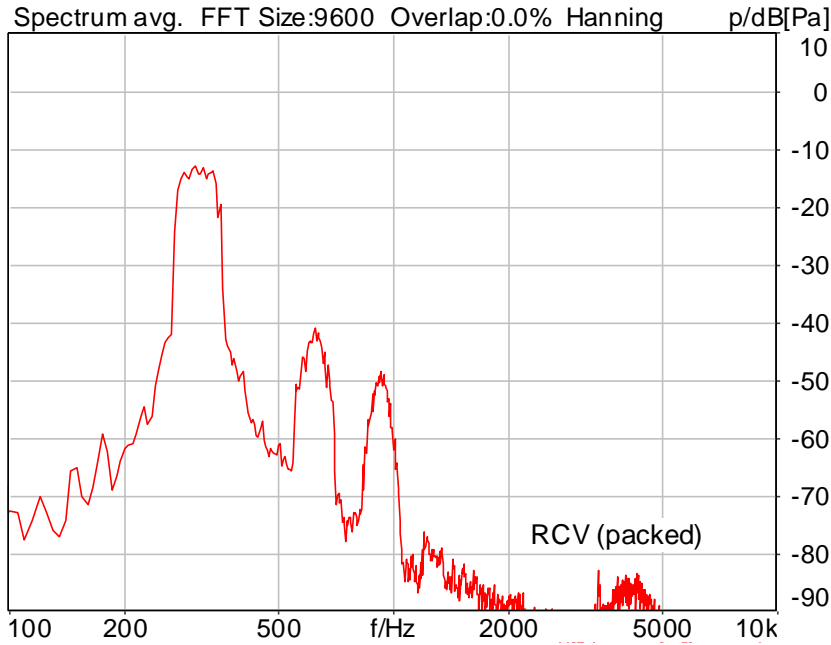
Limits

	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): 28.76 dB (3.65%) Ok

Ok

2023/10/19 下午 02:23 ACQUA 5.1.200

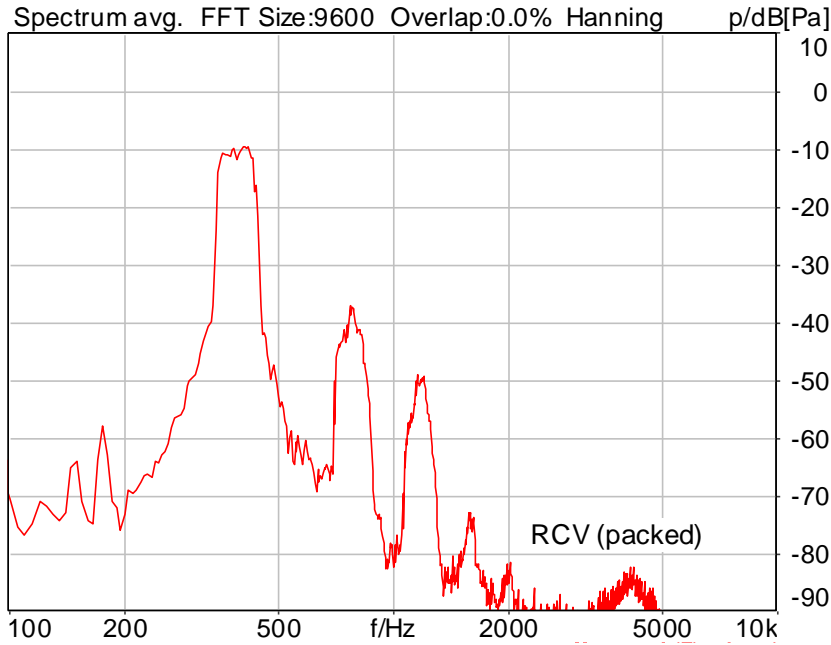
Limits

	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): 28.60 dB (3.71%) Ok

Ok

2023/10/19 下午 02:24 ACQUA 5.1.200

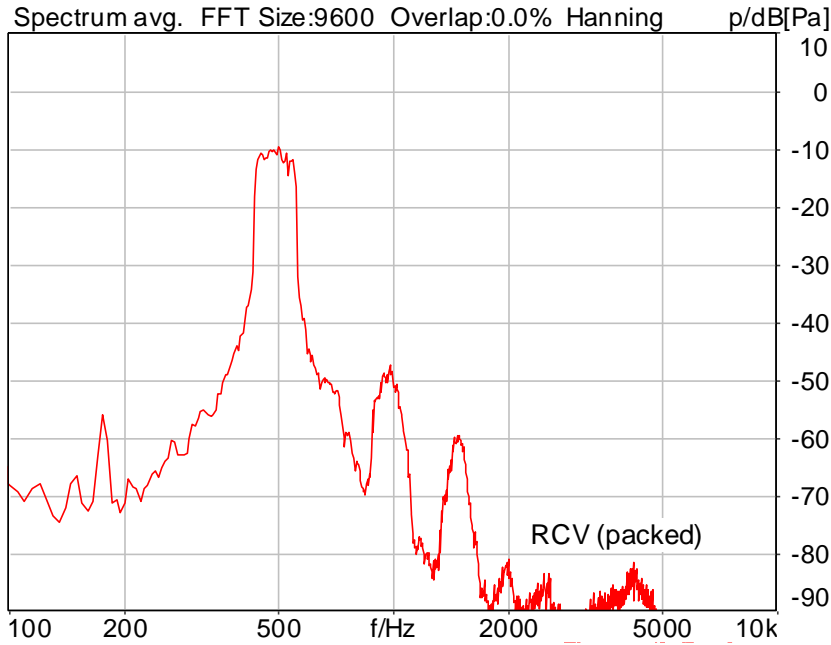
Limits

	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): 34.44 dB (1.90%) Ok

Ok

2023/10/19 下午 02:24 ACQUA 5.1.200

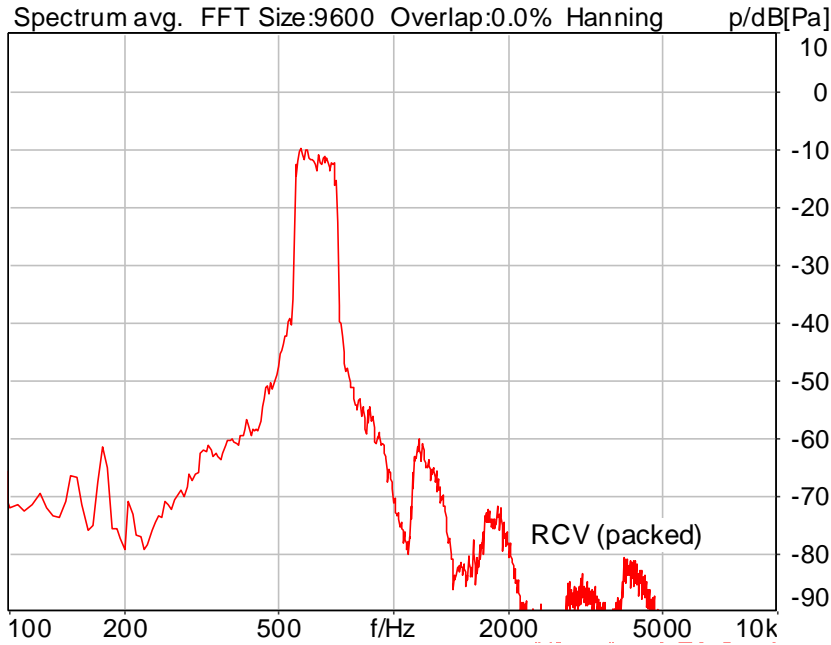
Limits

	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



Distortion (Noise) RCV (packed): 38.87 dB (1.14%) Ok

Ok

2023/10/19 下午 02:25 ACQUA 5.1.200

Limits

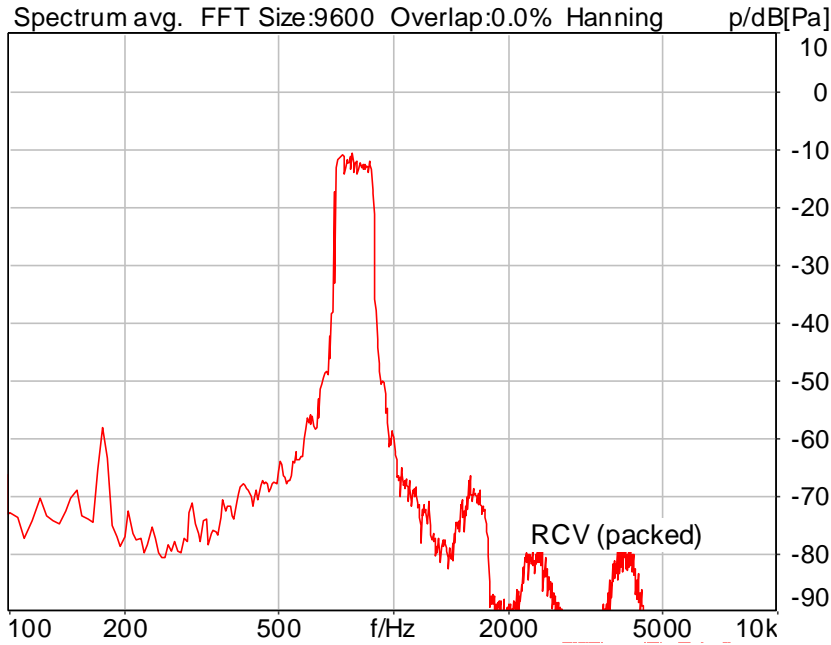
	lower
Run 1	20.00 dB





### 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): 41.86 dB (0.81%) Ok

Ok

2023/10/19 下午 02:25 ACQUA 5.1.200

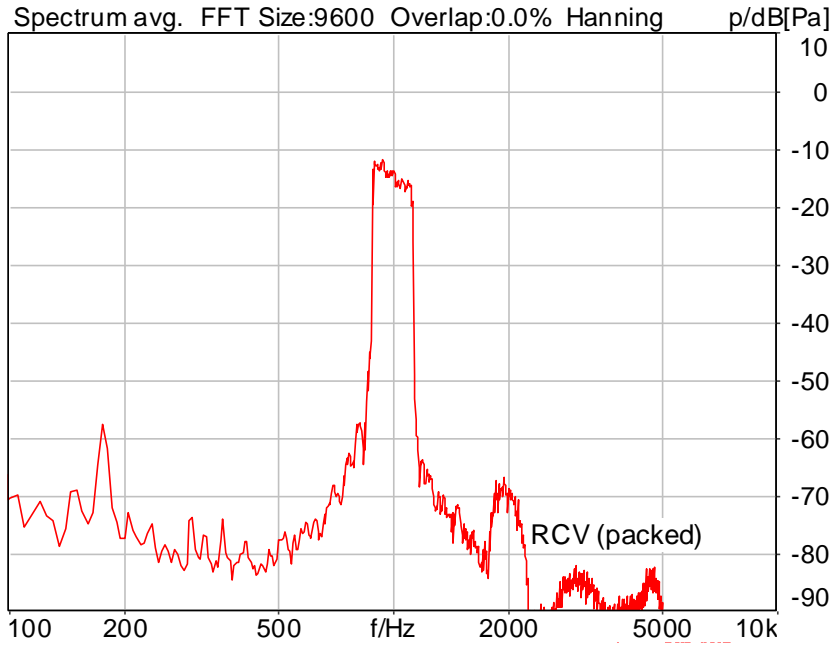
Limits

	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



Distortion (Noise) RCV (packed): 46.45 dB (0.48%) Ok

Ok

2023/10/19 下午 02:26 ACQUA 5.1.200

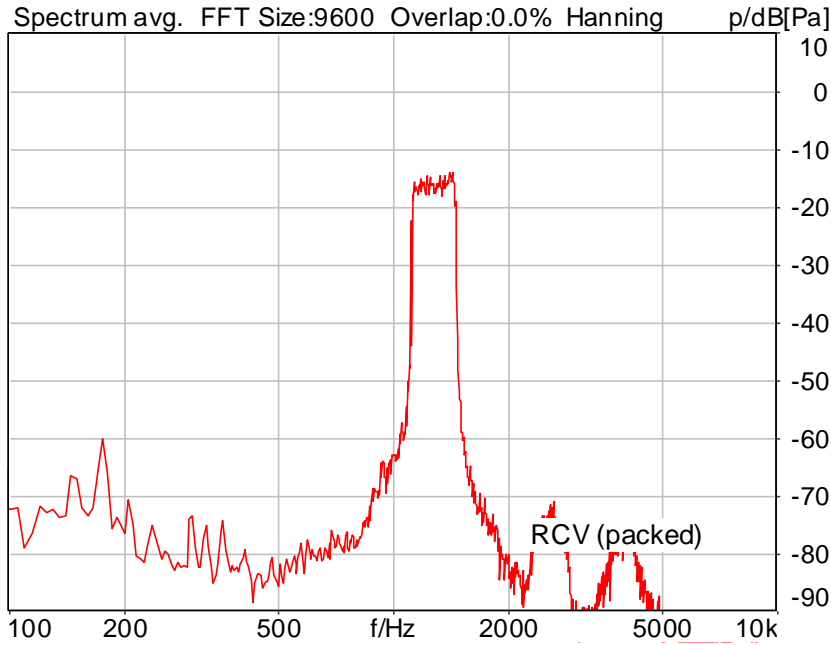
Limits

	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



Distortion (Noise) RCV (packed): 33.52 dB (2.11%) Ok

Ok

2023/10/19 下午 02:26 ACQUA 5.1.200

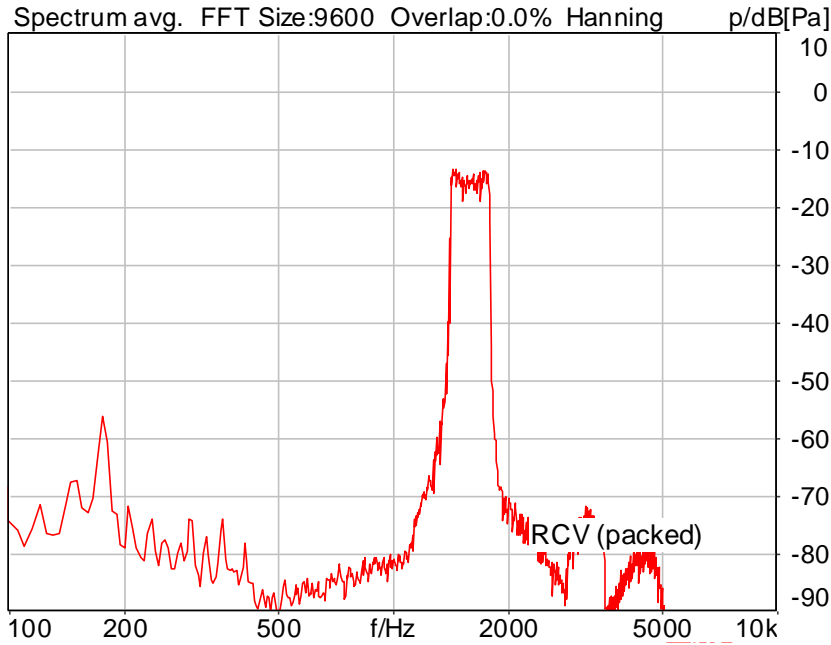
Limits

	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



Distortion (Noise) RCV (packed): 44.80 dB (0.58%) Ok

Ok

2023/10/19 下午 02:27 ACQUA 5.1.200

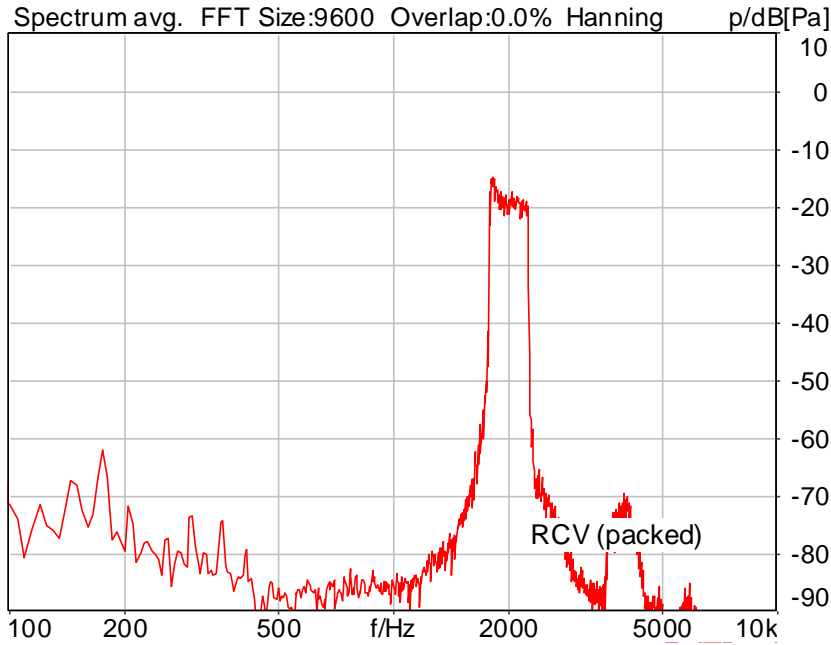
Limits

	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): 41.99 dB (0.79%) Ok

Ok

2023/10/19 下午 02:27 ACQUA 5.1.200

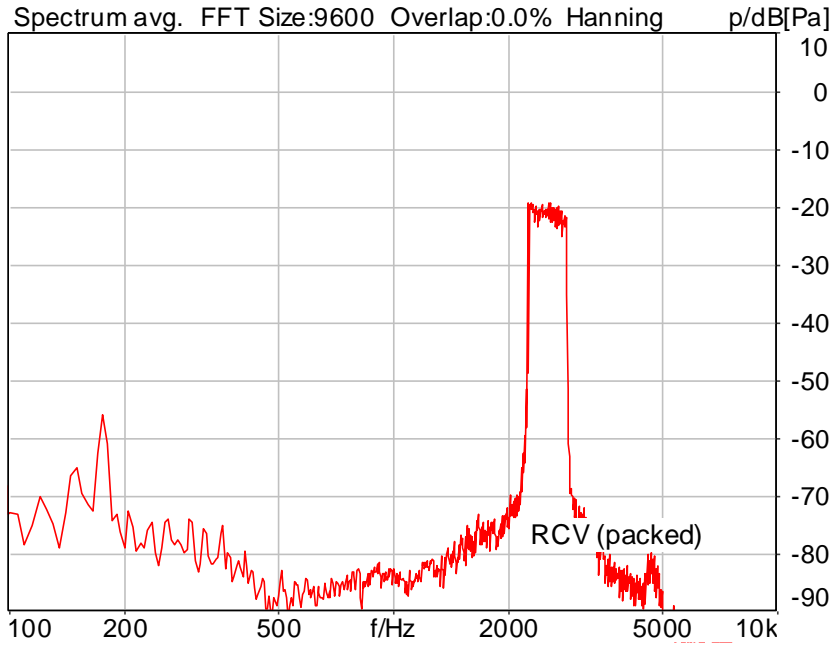
Limits

	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



Distortion (Noise) RCV (packed): 46.18 dB (0.49%) Ok

Ok

2023/10/19 下午 02:28 ACQUA 5.1.200

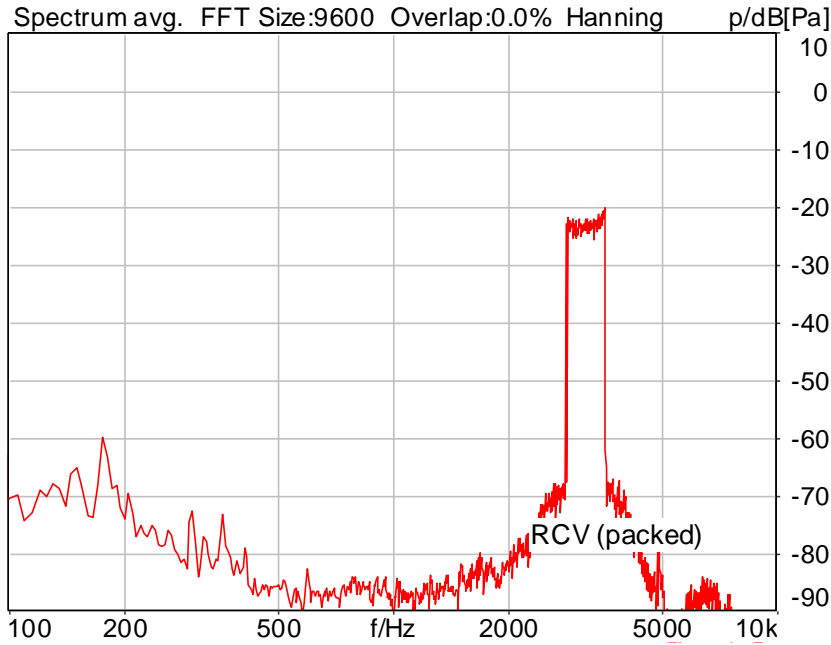
Limits

	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



Distortion (Noise) RCV (packed): 44.45 dB (0.60%) Ok

Ok

2023/10/19 下午 02:28 ACQUA 5.1.200

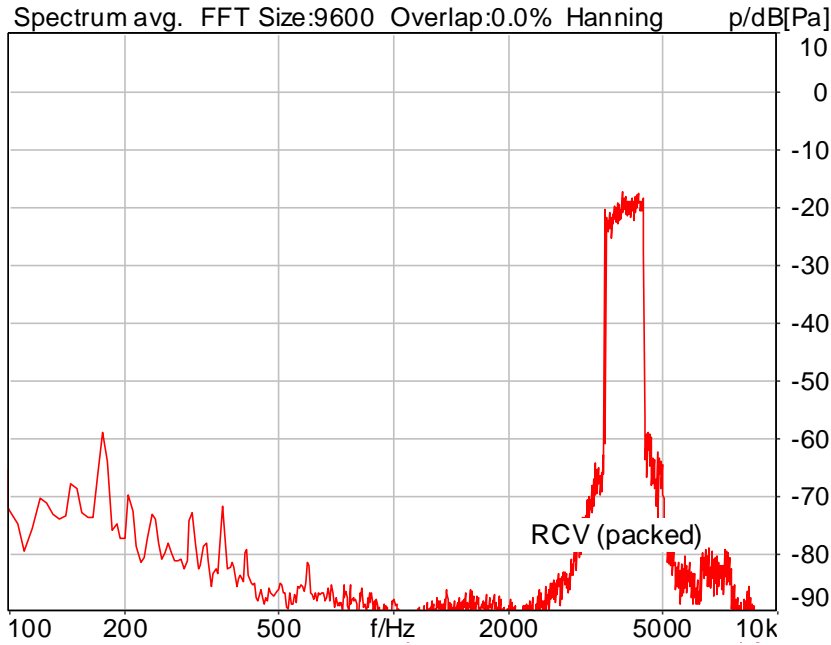
Limits

	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): 43.95 dB (0.63%) Ok

Ok

2023/10/19 下午 02:29 ACQUA 5.1.200

Limits

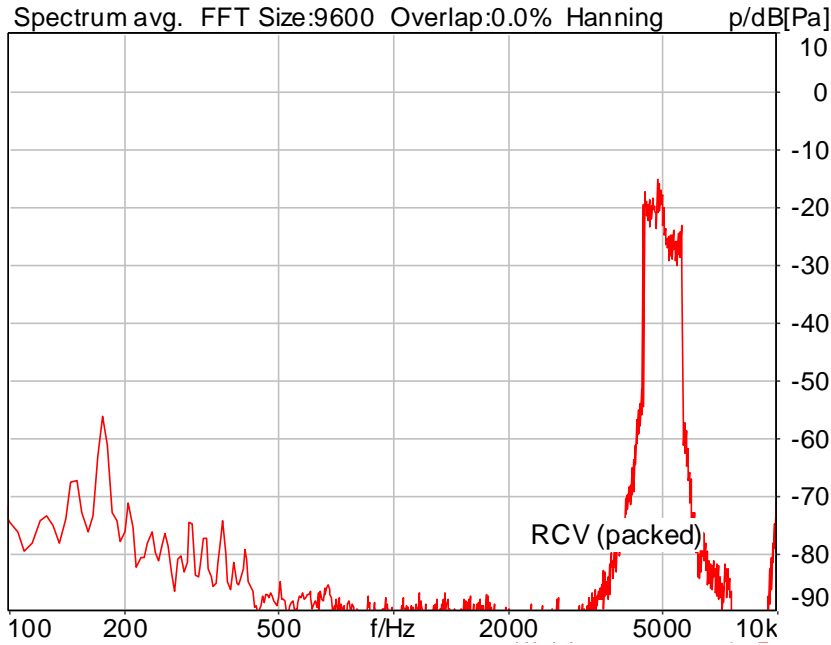
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 40.16 dB (0.98%) Ok

Ok

2023/10/19 下午 02:29 ACQUA 5.1.200

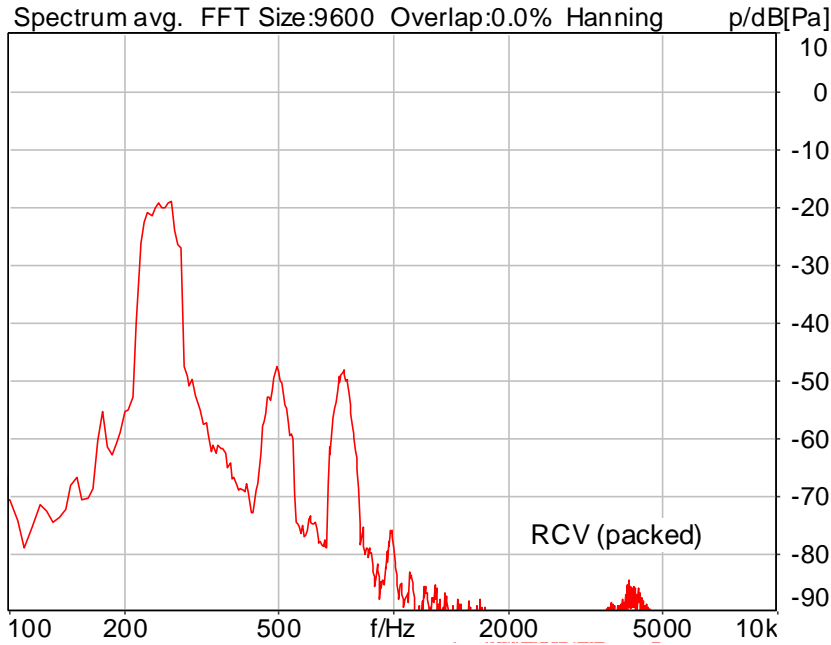
Limits

	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



Distortion (Noise) RCV (packed): 27.51 dB (4.21%) Ok

Ok

2023/10/19 下午 02:30 ACQUA 5.1.200

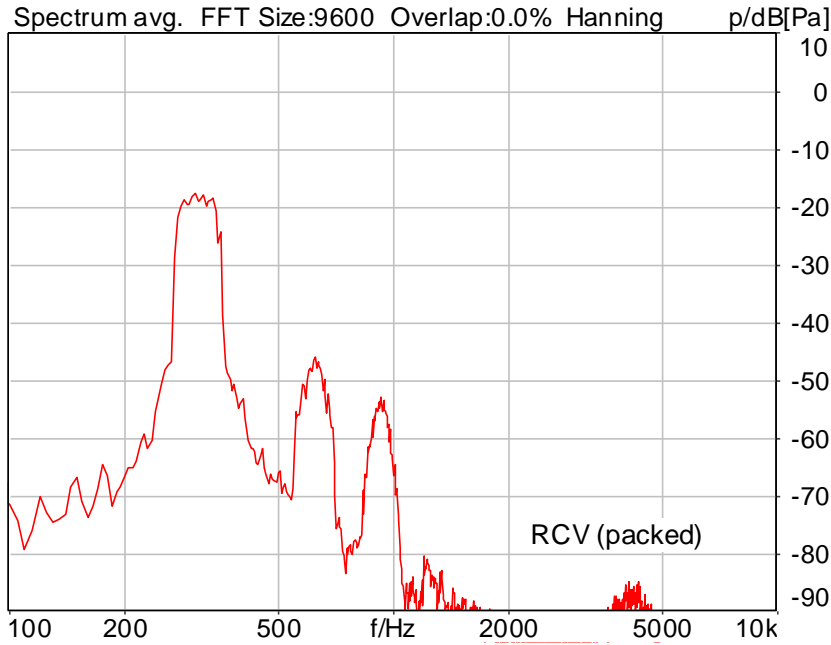
Limits

	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



Distortion (Noise) RCV (packed): 28.82 dB (3.62%) Ok

Ok

2023/10/19 下午 02:31 ACQUA 5.1.200

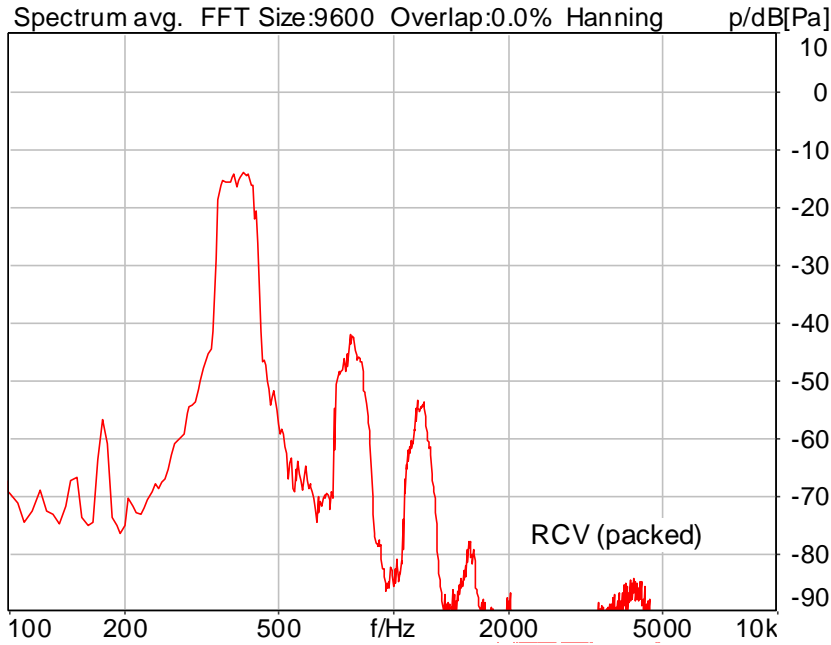
Limits

	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



Distortion (Noise) RCV (packed): 28.81 dB (3.63%) Ok

Ok

2023/10/19 下午 02:31 ACQUA 5.1.200

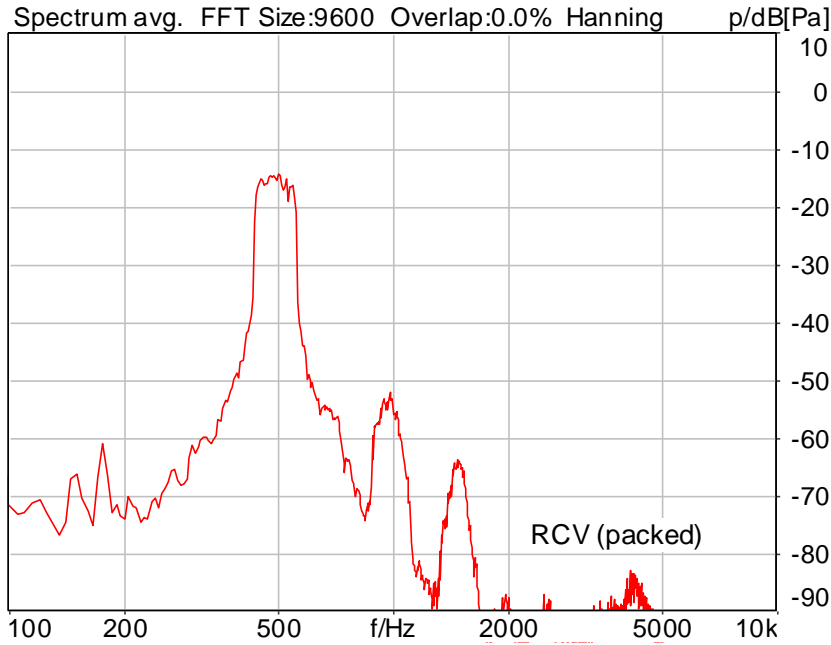
Limits

	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



Distortion (Noise) RCV (packed): 34.50 dB (1.88%) Ok

Ok

2023/10/19 下午 02:32 ACQUA 5.1.200

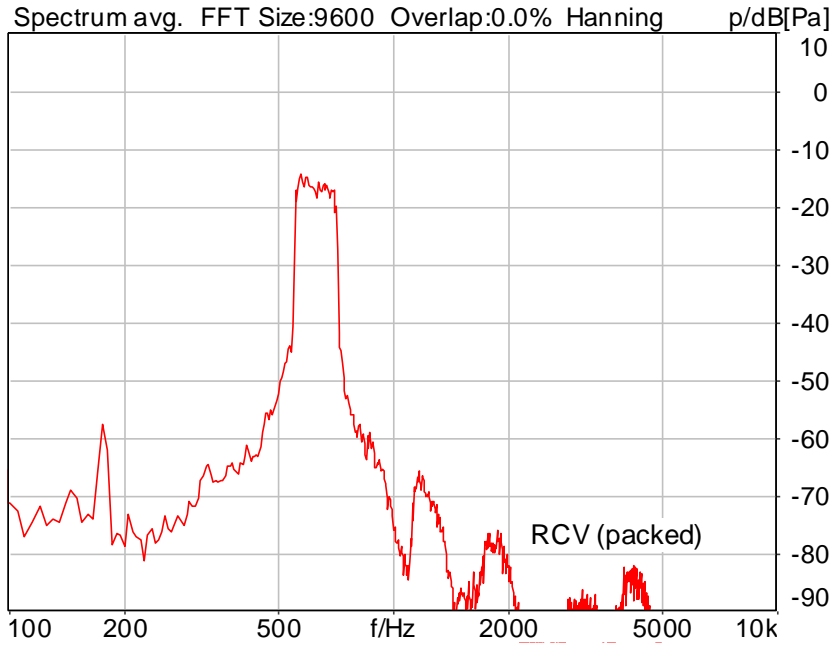
Limits

	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): 38.81 dB (1.15%) Ok

Ok

2023/10/19 下午 02:32 ACQUA 5.1.200

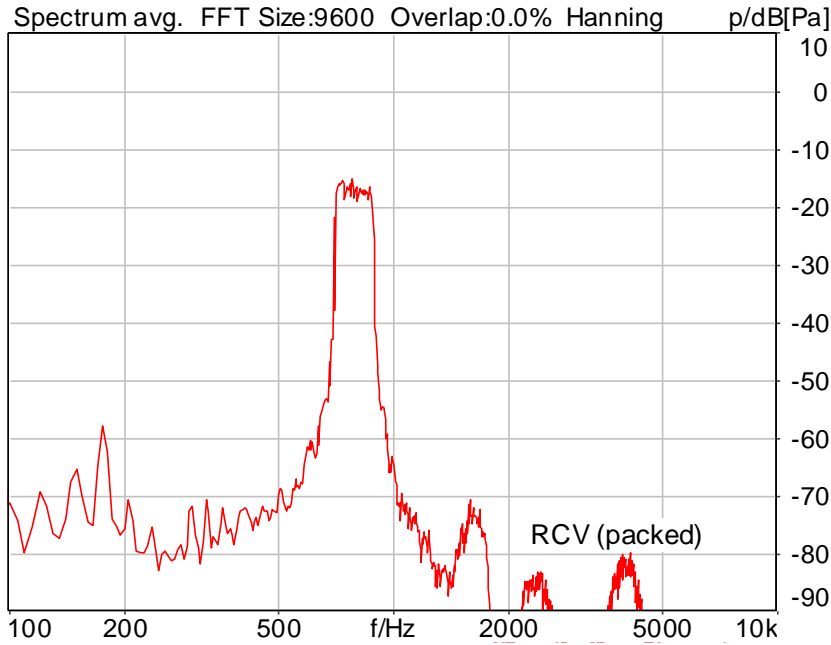
Limits

	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): 41.74 dB (0.82%) Ok

**Ok**

2023/10/19 下午 02:33 ACQUA 5.1.200

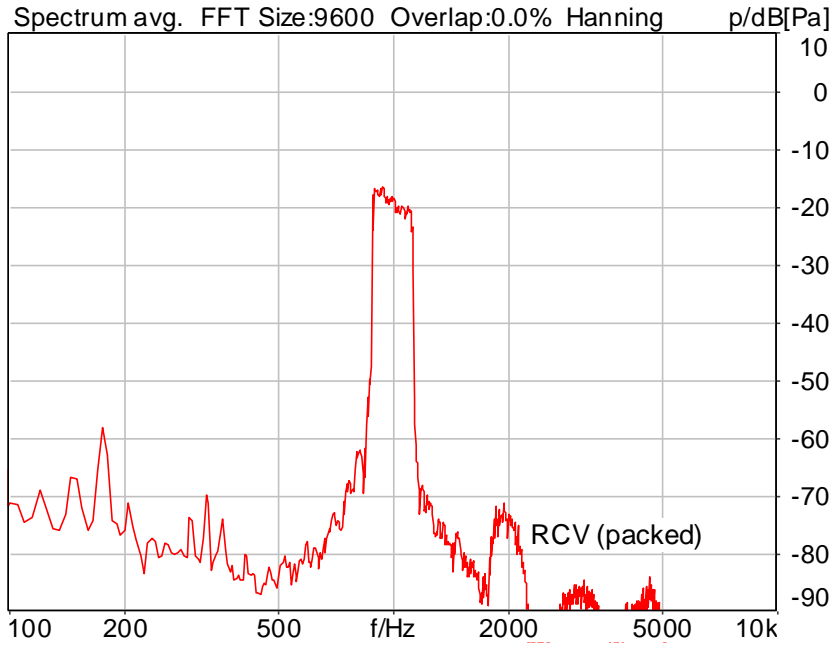
**Limits**

	<b>lower</b>
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



Distortion (Noise) RCV (packed): 46.36 dB (0.48%) Ok

Ok

2023/10/19 下午 02:33 ACQUA 5.1.200

Limits

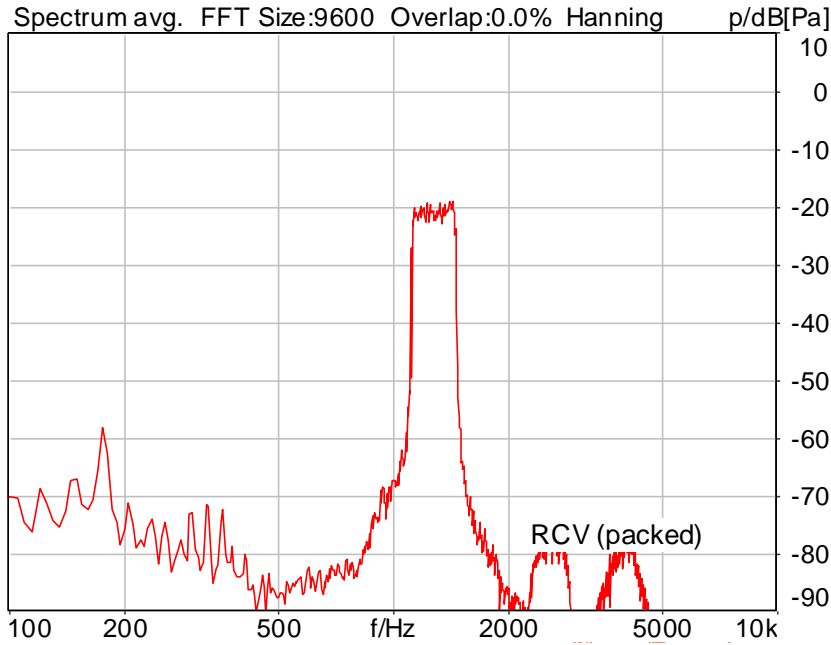
	lower
Run 1	20.00 dB





### 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): 33.02 dB (2.23%) Ok

Ok

2023/10/19 下午 02:34 ACQUA 5.1.200

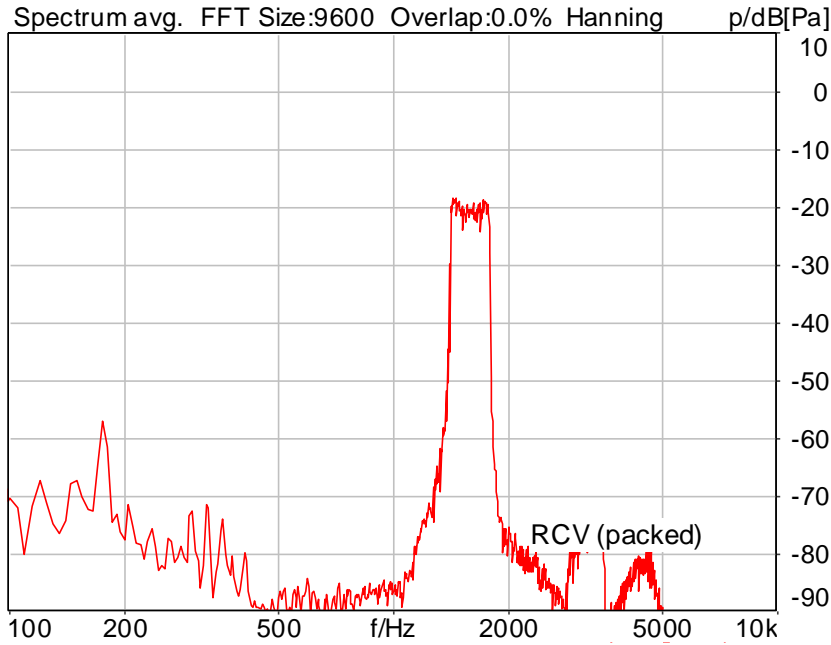
Limits

	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



Distortion (Noise) RCV (packed): 44.22 dB (0.61%) Ok

Ok

2023/10/19 下午 02:34 ACQUA 5.1.200

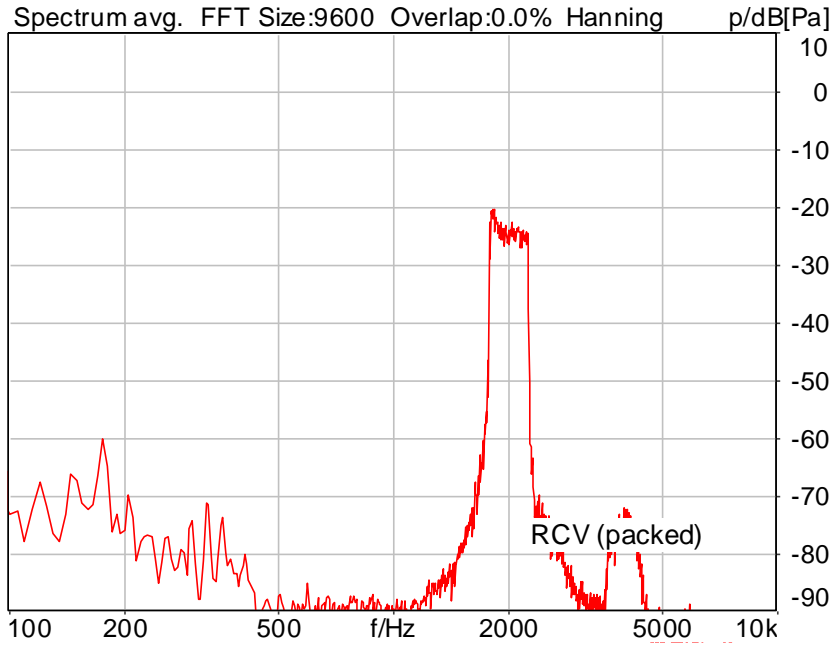
Limits

	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



Distortion (Noise) RCV (packed): 41.16 dB (0.87%) Ok

Ok

2023/10/19 下午 02:35 ACQUA 5.1.200

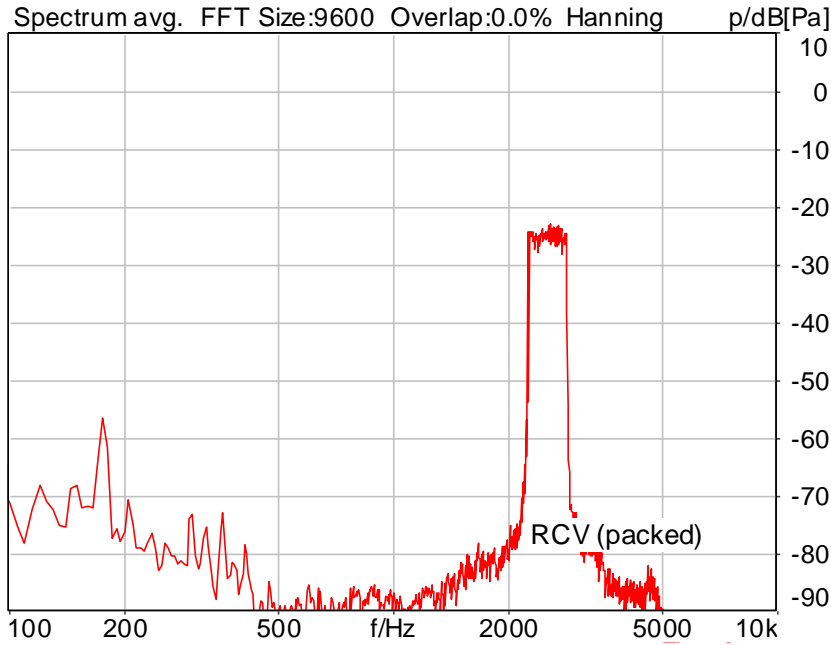
Limits

	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



Distortion (Noise) RCV (packed): 45.95 dB (0.50%) Ok

**Ok**

2023/10/19 下午 02:35 ACQUA 5.1.200

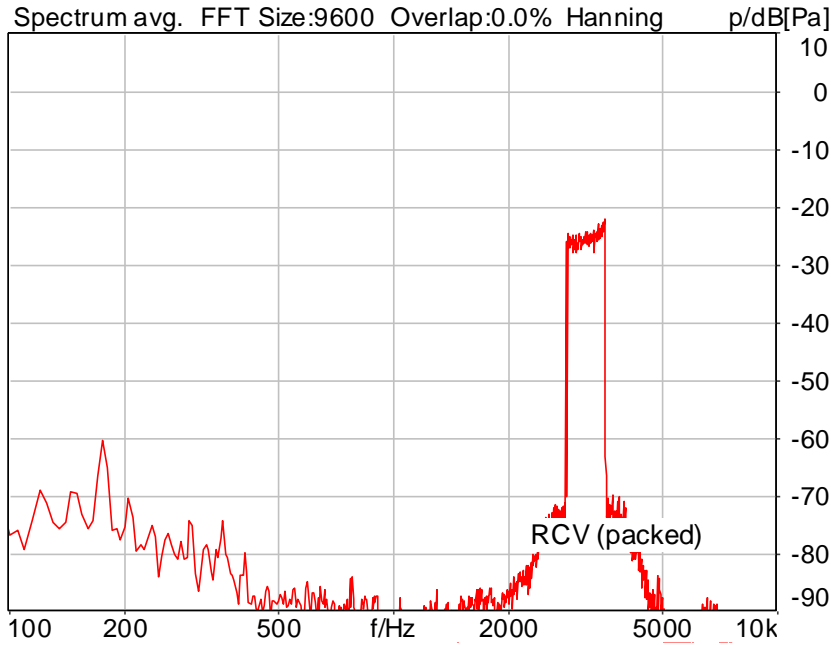
**Limits**

	<b>lower</b>
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



Distortion (Noise) RCV (packed): 45.33 dB (0.54%) Ok

Ok

2023/10/19 下午 02:36 ACQUA 5.1.200

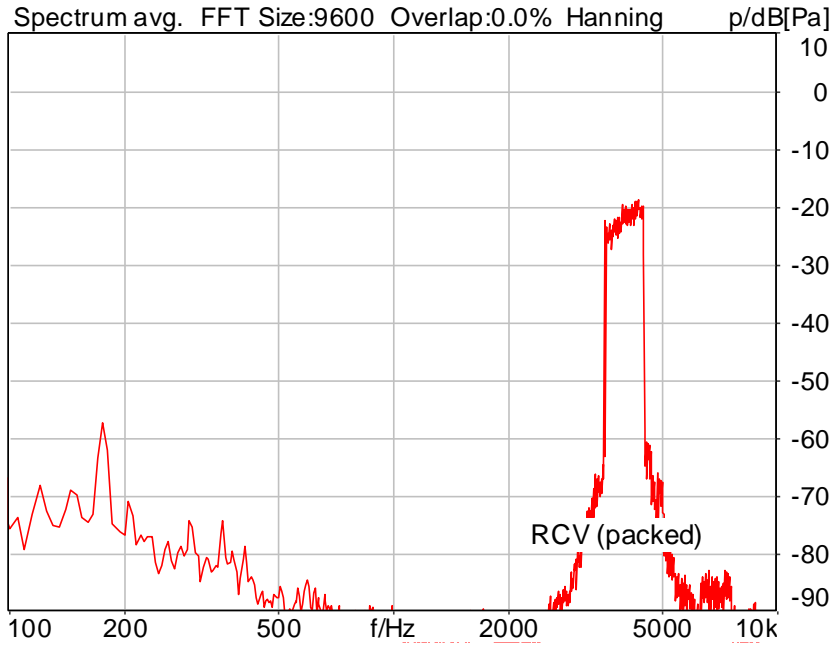
Limits

	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



Distortion (Noise) RCV (packed): 44.58 dB (0.59%) Ok

Ok

2023/10/19 下午 02:36 ACQUA 5.1.200

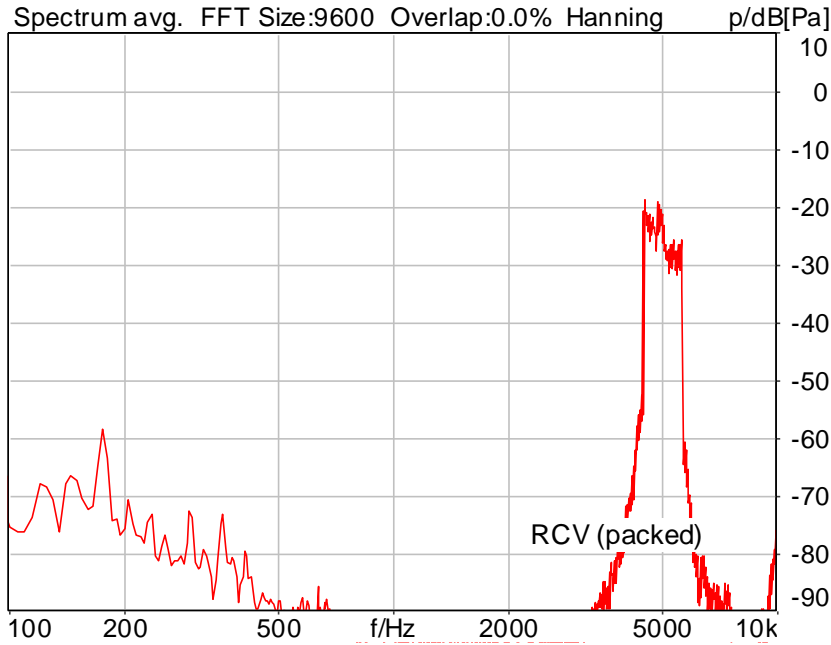
Limits

	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): 38.99 dB (1.12%) Ok

Ok

2023/10/19 下午 02:37 ACQUA 5.1.200

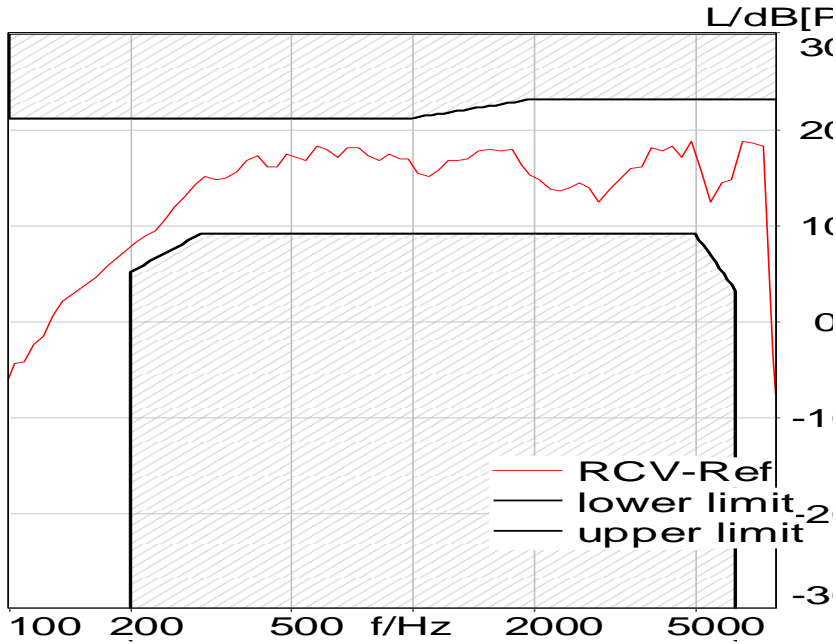
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.93 dB at 576.7 Hz Ok

Ok

2023/10/19 下午 02:37 ACQUA 5.1.200

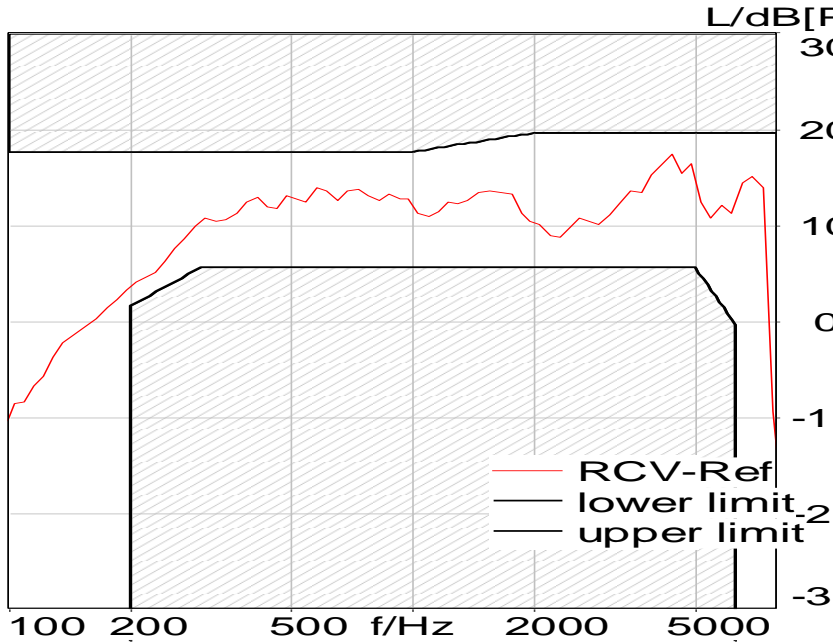
#### Limits

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.19 dB at 4369.4 Hz Ok

Ok

2023/10/19 下午 02:38 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#17 FR1 n41 EVS WB 24.4kbps

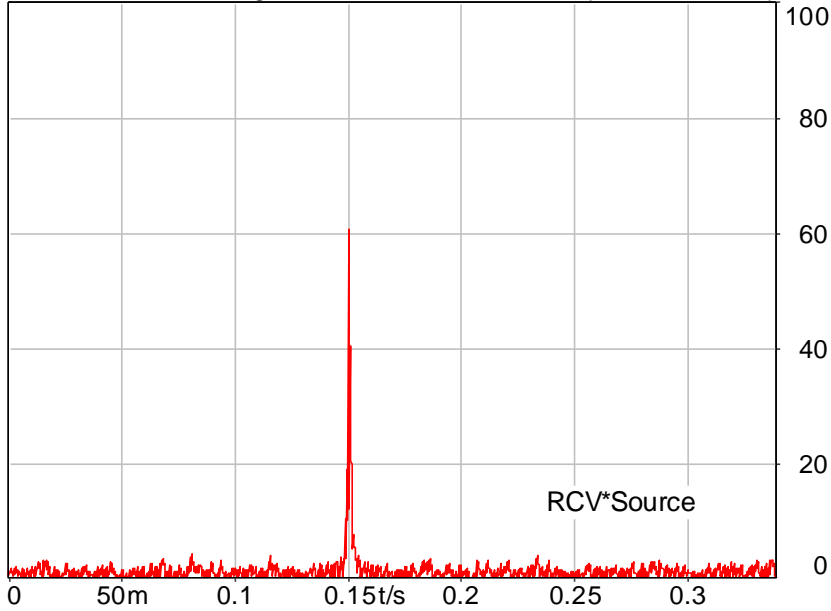
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	150.8
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.67
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.16
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.61
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.81
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.78
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.46
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.05
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.47
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.26
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.90
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.04
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.36
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.50
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.75
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.13
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.54
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.90
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.97
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.58
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.79
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.78
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.46
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.99
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.37
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.19
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.11
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.10
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.61
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.11
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	2.92
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.16



### Overall Receive Delay WB

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

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



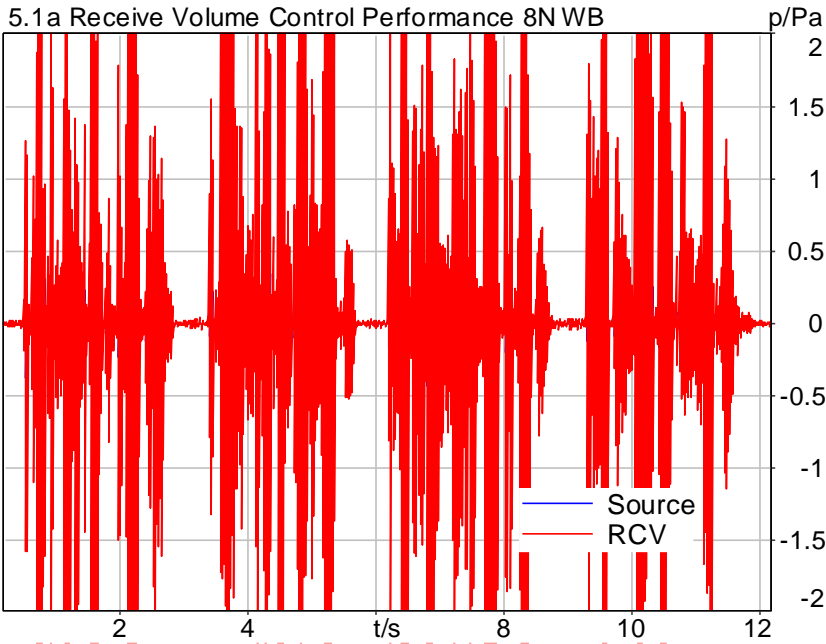
Delay (Cross): 150.8 ms

2023/10/19 下午 02:53 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.67 dB[SPL], Act.: 60.50% Ok

Ok

2023/10/19 下午 02:54 ACQUA 5.1.200

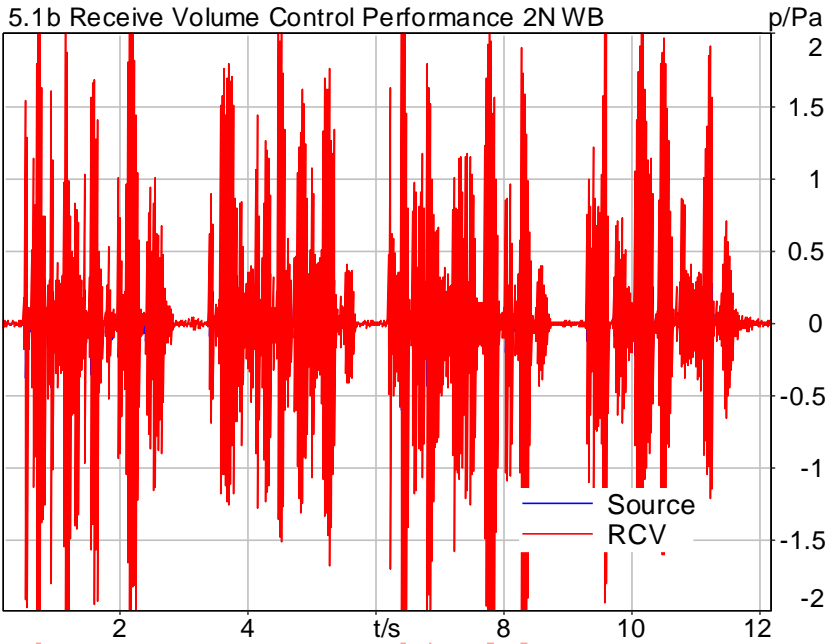
Limits

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.16 dB[SPL], Act.: 29.88% Ok

Ok

2023/10/19 下午 02:54 ACQUA 5.1.200

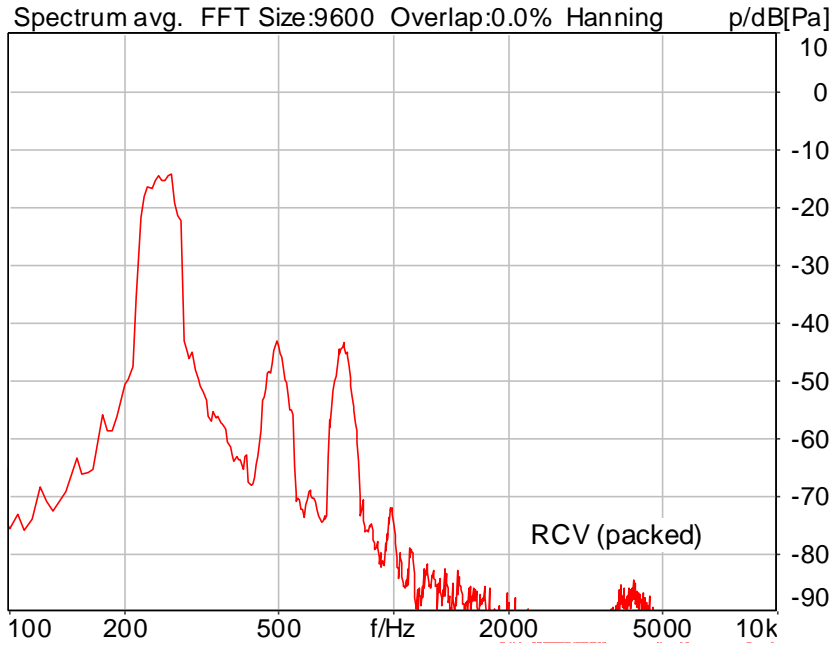
Limits

	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): 27.61 dB (4.16%) Ok

Ok

2023/10/19 下午 02:55 ACQUA 5.1.200

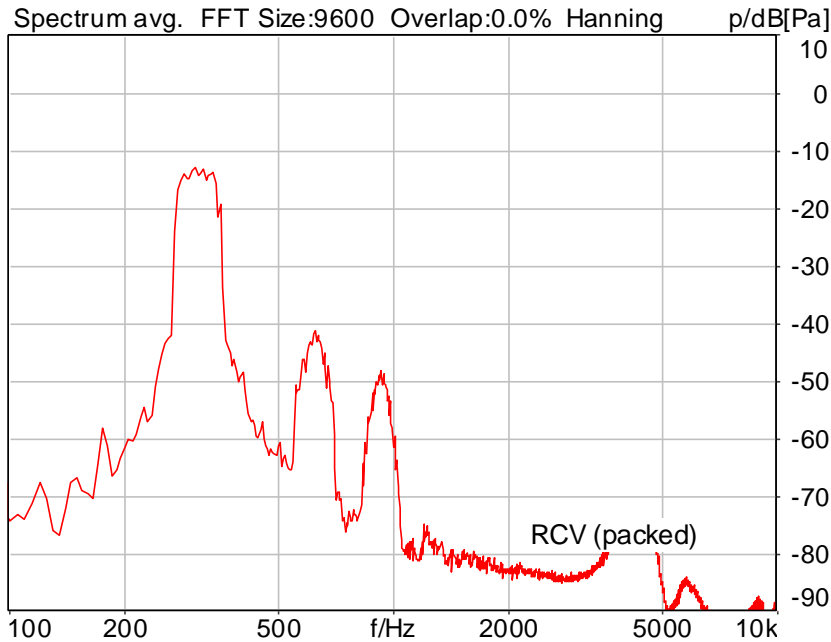
Limits

	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): 28.81 dB (3.63%) Ok

Ok

2023/10/19 下午 02:56 ACQUA 5.1.200

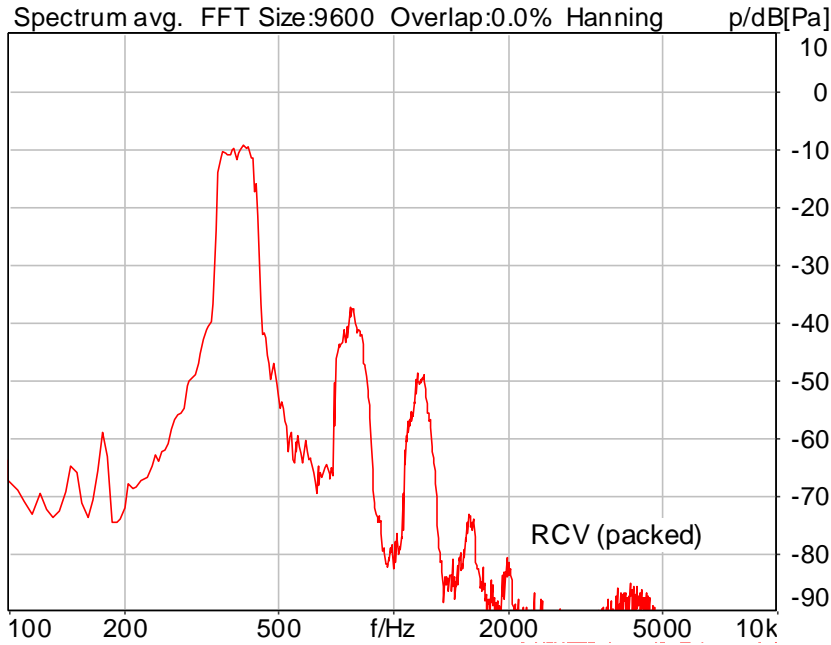
Limits

	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): 28.78 dB (3.64%) Ok

Ok

2023/10/19 下午 02:56 ACQUA 5.1.200

Limits

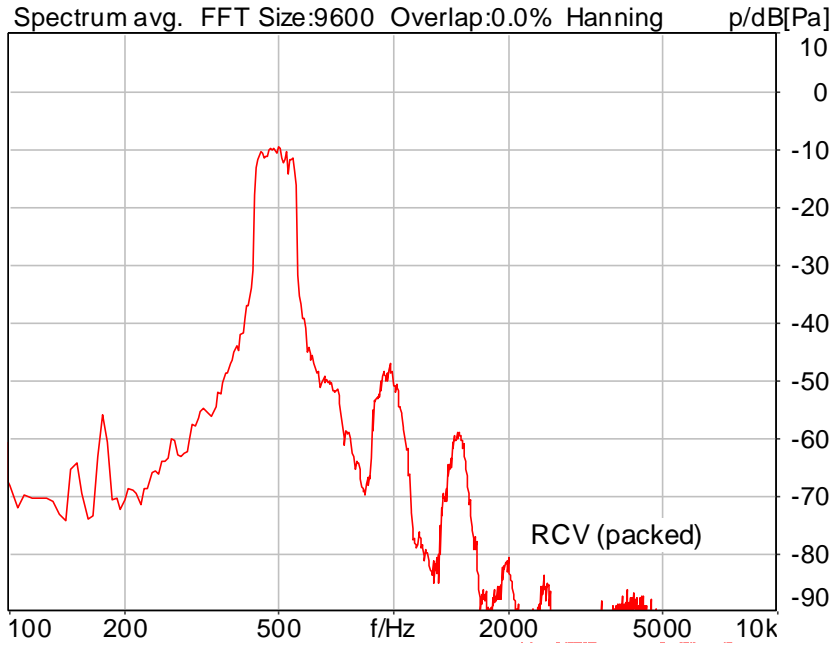
	lower
Run 1	20.00 dB





### 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): 34.46 dB (1.89%) Ok

Ok

2023/10/19 下午 02:57 ACQUA 5.1.200

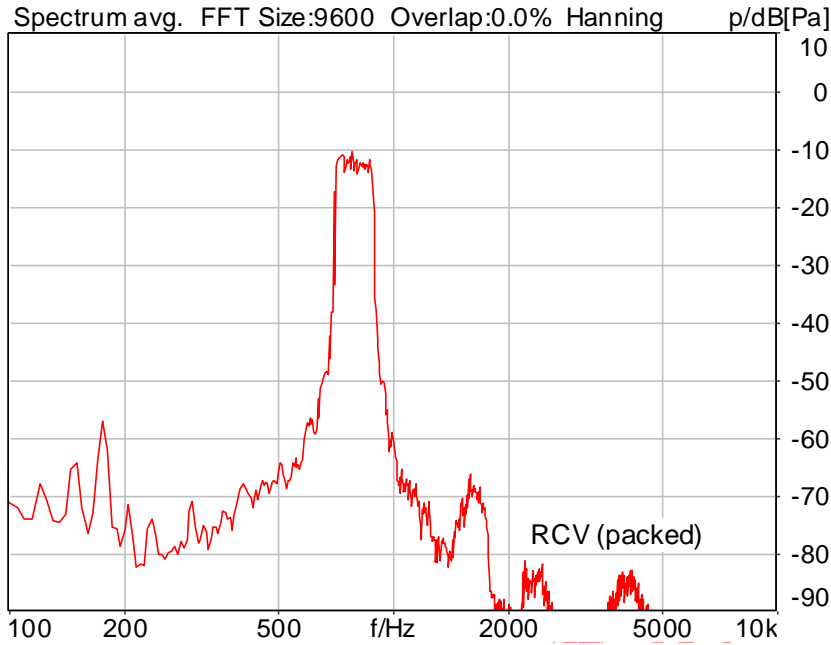
Limits

	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): 42.05 dB (0.79%) Ok

Ok

2023/10/19 下午 02:58 ACQUA 5.1.200

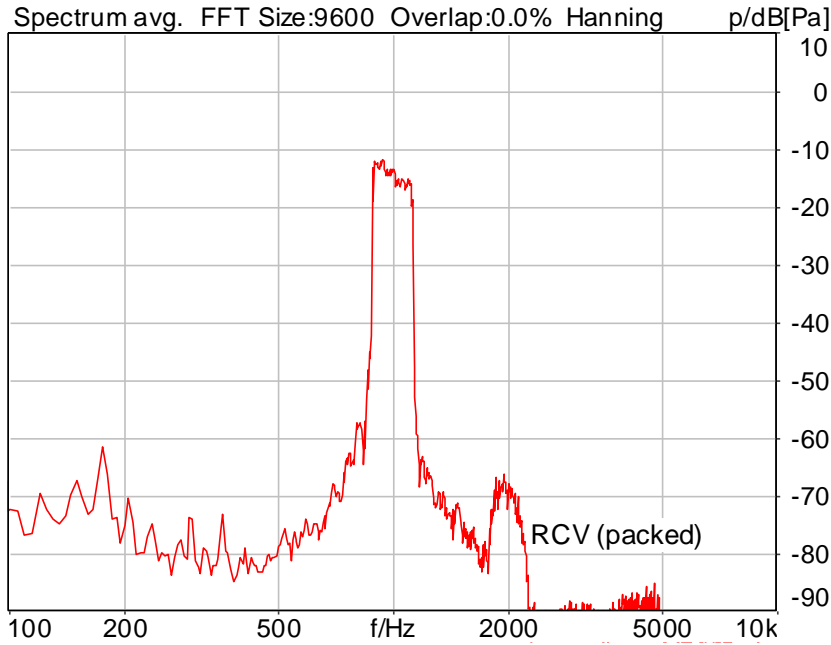
Limits

	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



Distortion (Noise) RCV (packed): 46.47 dB (0.47%) Ok

Ok

2023/10/19 下午 02:58 ACQUA 5.1.200

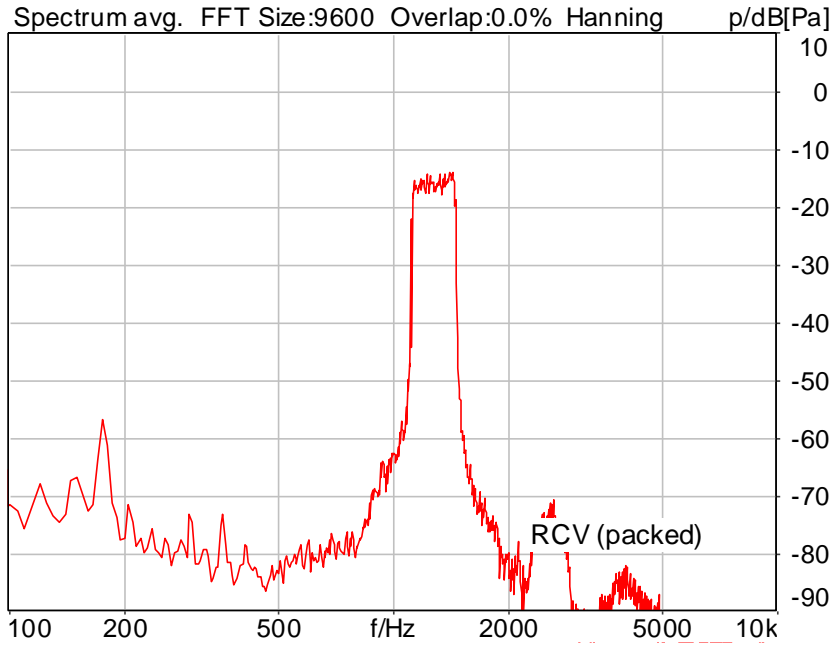
Limits

	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



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

Ok

2023/10/19 下午 02:59 ACQUA 5.1.200

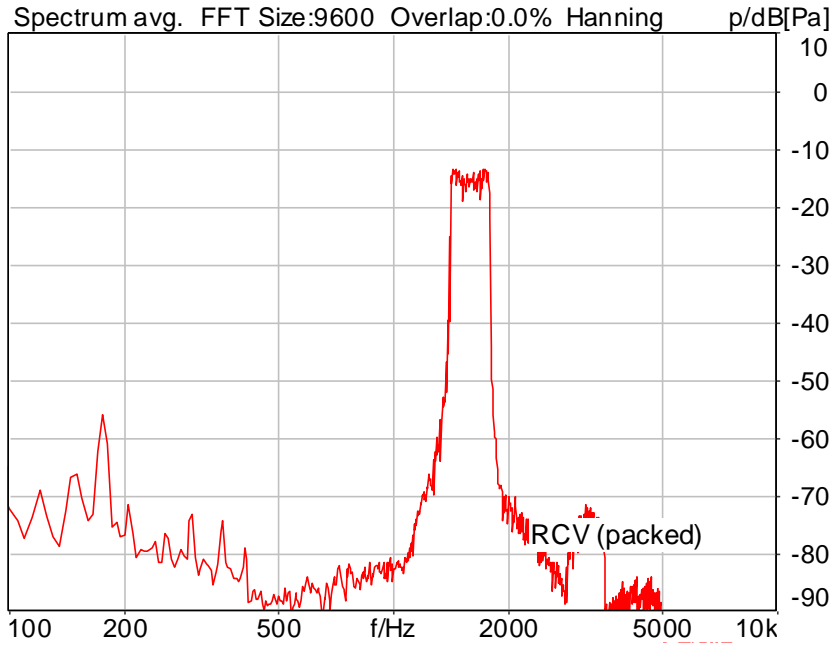
Limits

	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



Distortion (Noise) RCV (packed): 44.90 dB (0.57%) Ok

Ok

2023/10/19 下午 02:59 ACQUA 5.1.200

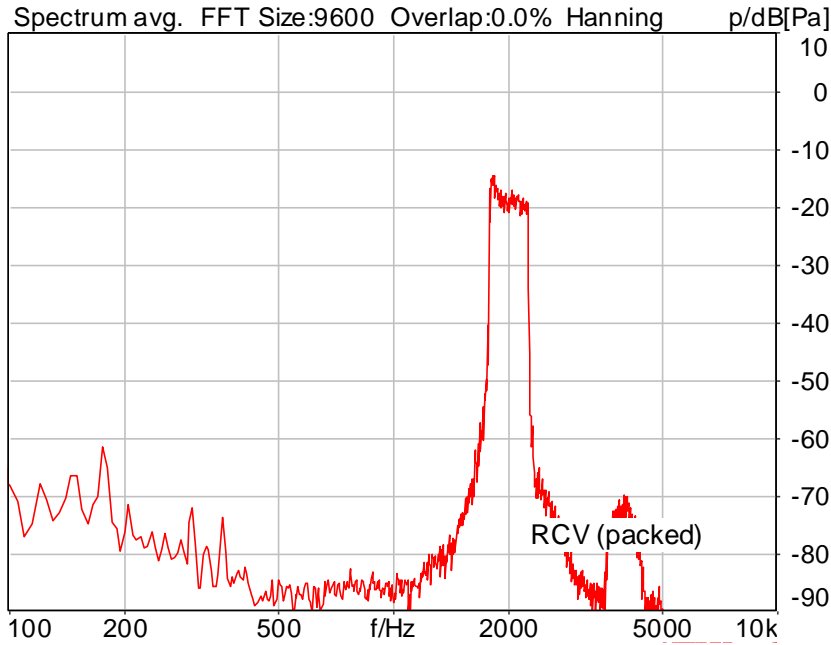
Limits

	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): 42.04 dB (0.79%) Ok

Ok

2023/10/19 下午 02:59 ACQUA 5.1.200

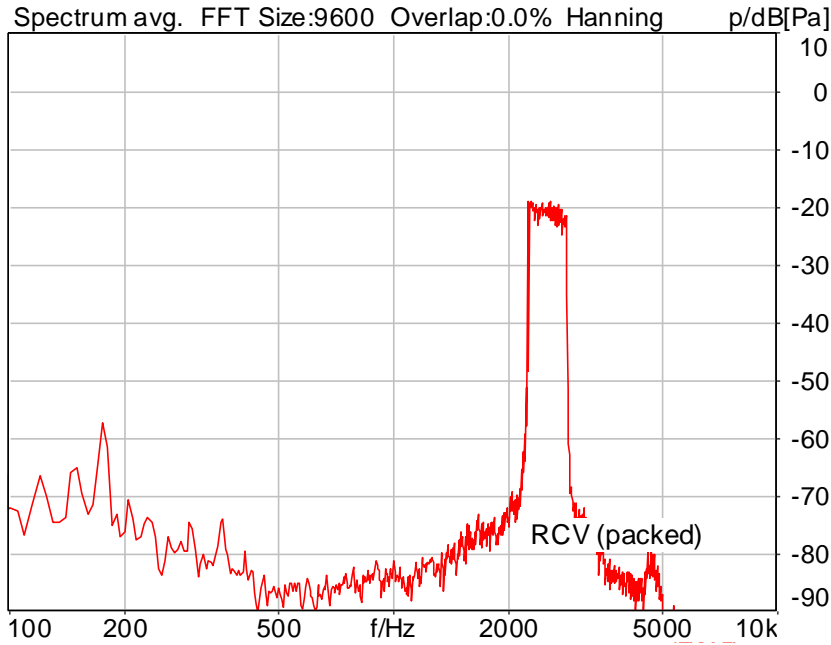
Limits

	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



Distortion (Noise) RCV (packed): 46.36 dB (0.48%) Ok

Ok

2023/10/19 下午 03:00 ACQUA 5.1.200

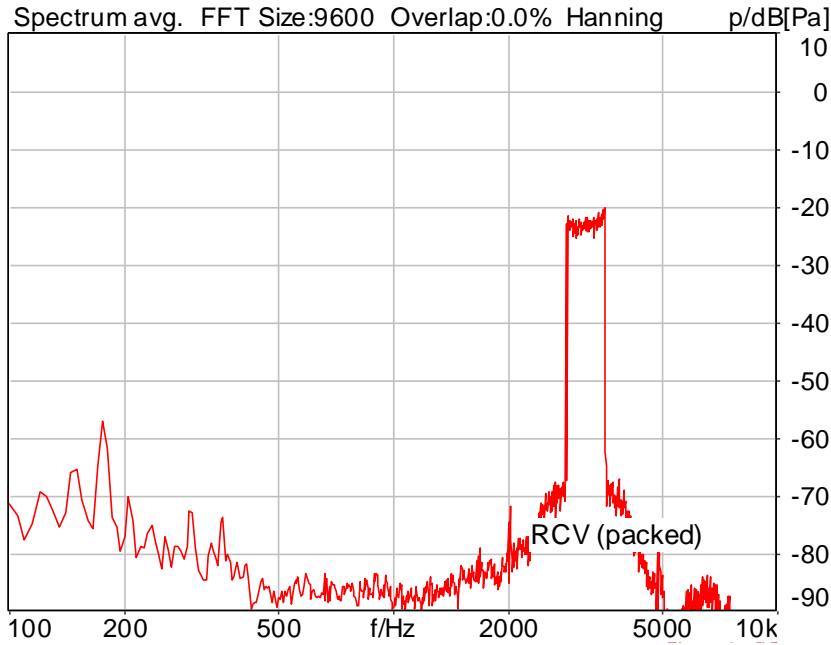
Limits

	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



Distortion (Noise) RCV (packed): 44.50 dB (0.60%) Ok

Ok

2023/10/19 下午 03:00 ACQUA 5.1.200

Limits

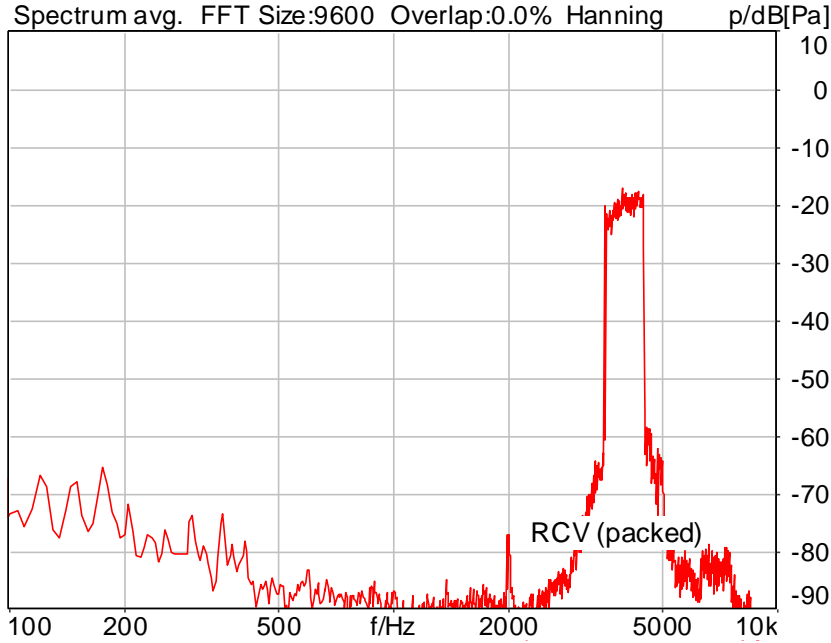
	lower
Run 1	20.00 dB





### 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): 43.75 dB (0.65%) Ok

Ok

2023/10/19 下午 03:01 ACQUA 5.1.200

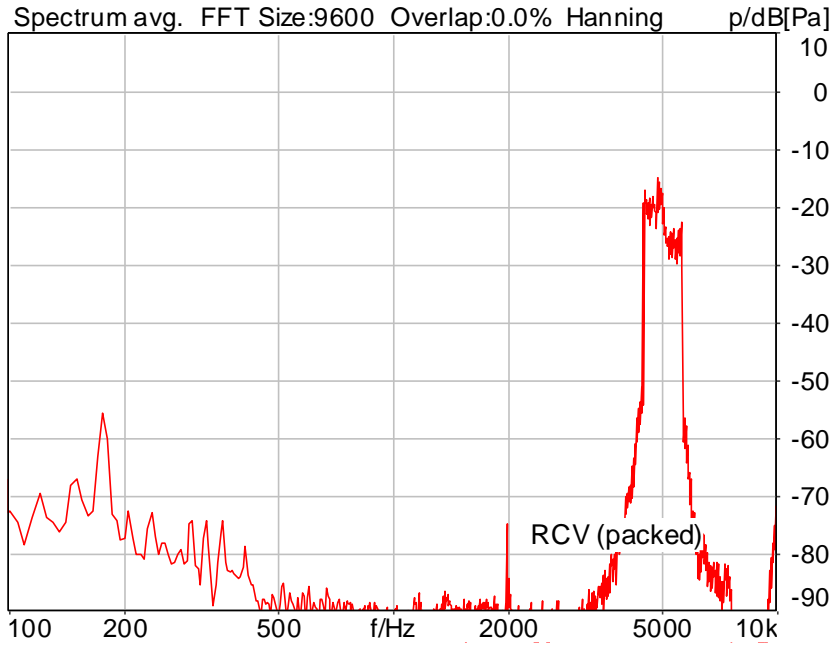
Limits

	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



Distortion (Noise) RCV (packed): 40.13 dB (0.99%) Ok

Ok

2023/10/19 下午 03:01 ACQUA 5.1.200

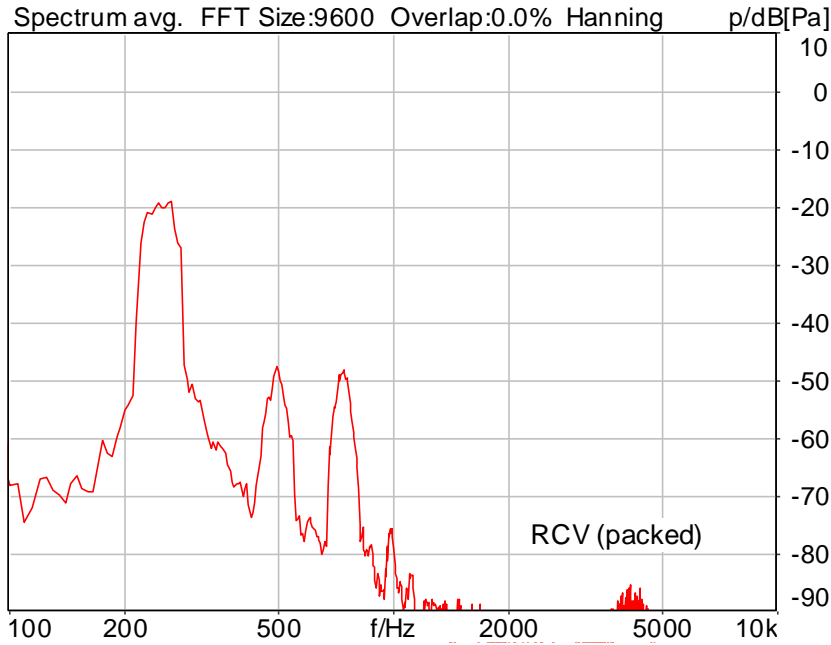
Limits

	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



Distortion (Noise) RCV (packed): 27.54 dB (4.20%) Ok

Ok

2023/10/19 下午 03:02 ACQUA 5.1.200

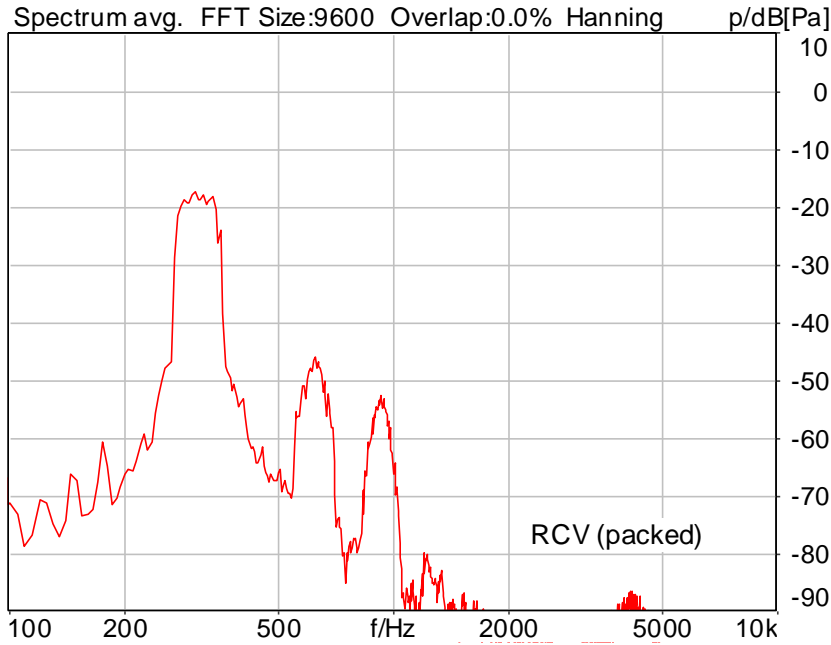
Limits

	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



Distortion (Noise) RCV (packed): 28.90 dB (3.59%) Ok

Ok

2023/10/19 下午 03:03 ACQUA 5.1.200

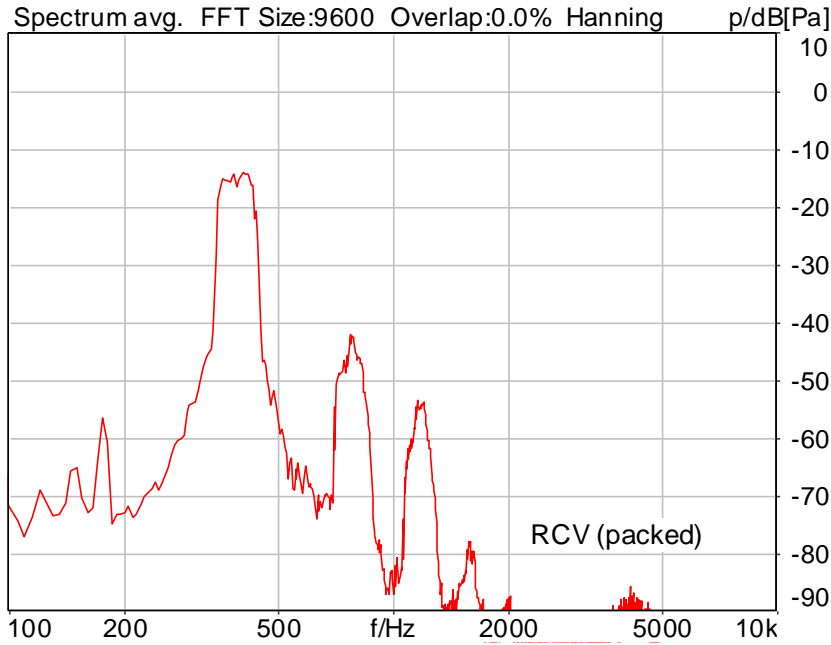
Limits

	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



Distortion (Noise) RCV (packed): 28.97 dB (3.56%) Ok

Ok

2023/10/19 下午 03:03 ACQUA 5.1.200

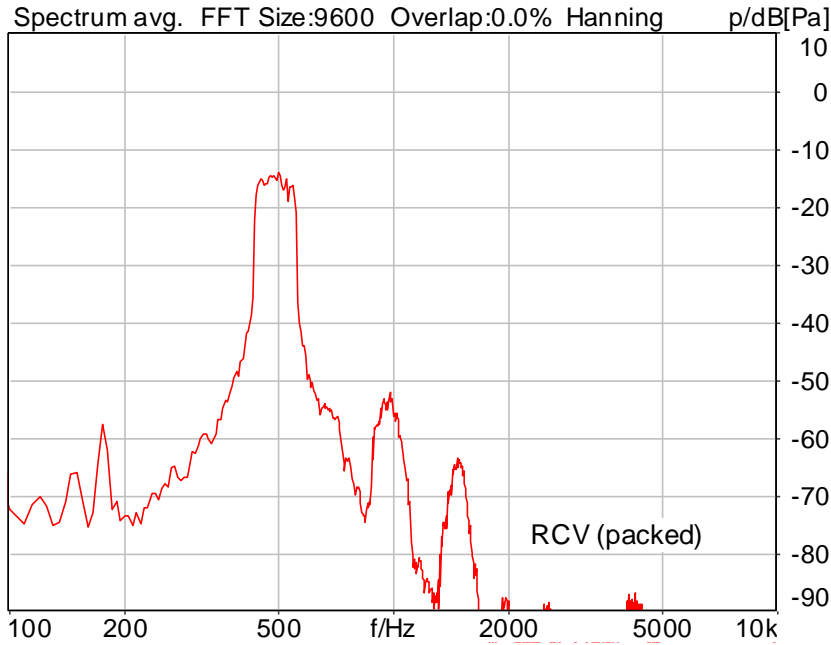
Limits

	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



Distortion (Noise) RCV (packed): 34.58 dB (1.87%) Ok

Ok

2023/10/19 下午 03:04 ACQUA 5.1.200

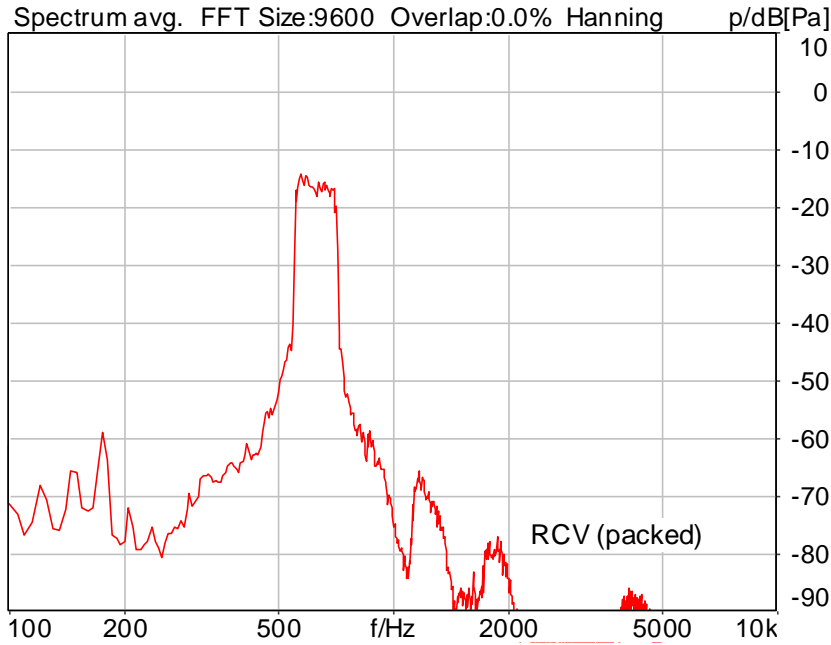
Limits

	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): 38.79 dB (1.15%) Ok

Ok

2023/10/19 下午 03:04 ACQUA 5.1.200

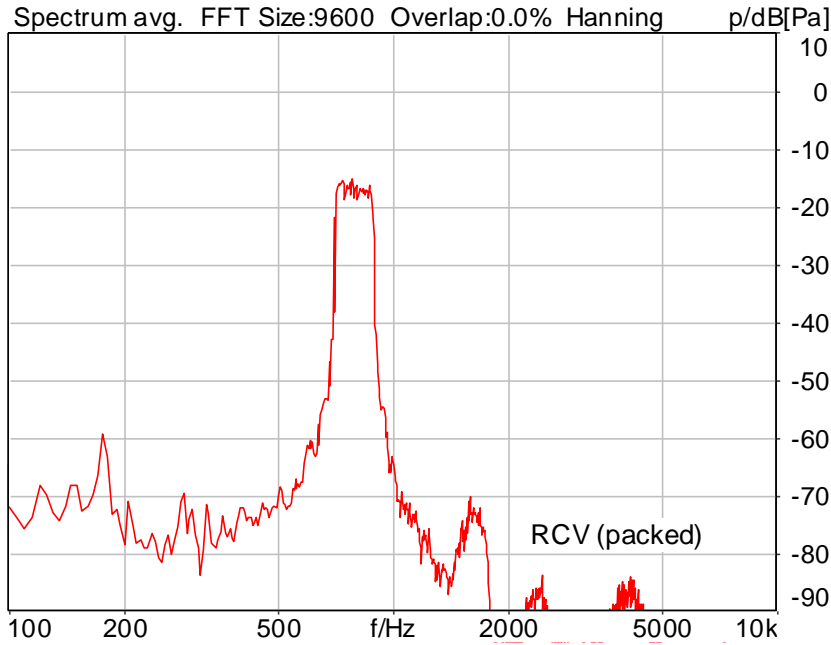
Limits

	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): 41.78 dB (0.81%) Ok

Ok

2023/10/19 下午 03:05 ACQUA 5.1.200

Limits

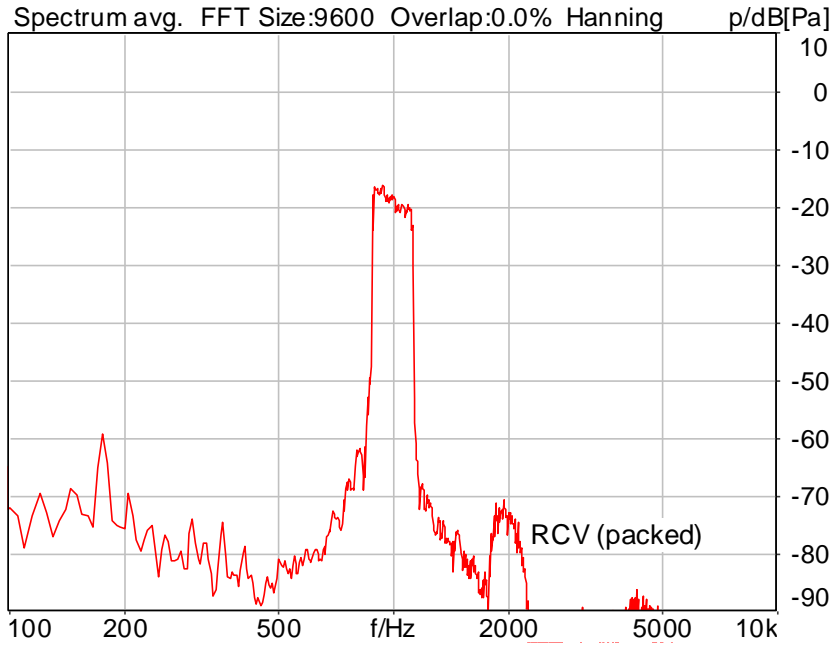
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 46.46 dB (0.48%) Ok

Ok

2023/10/19 下午 03:05 ACQUA 5.1.200

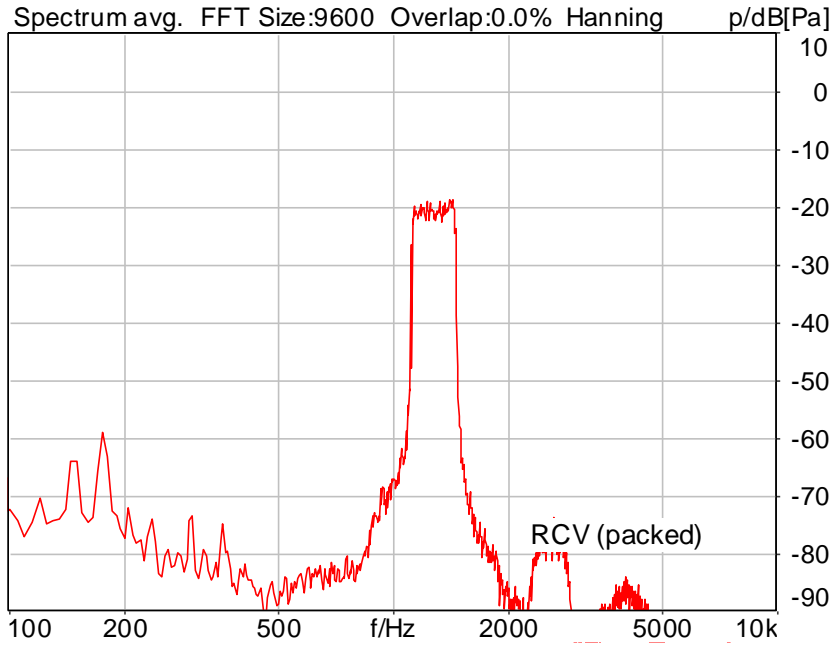
Limits

	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): 33.99 dB (2.00%) Ok

**Ok**

2023/10/19 下午 03:06 ACQUA 5.1.200

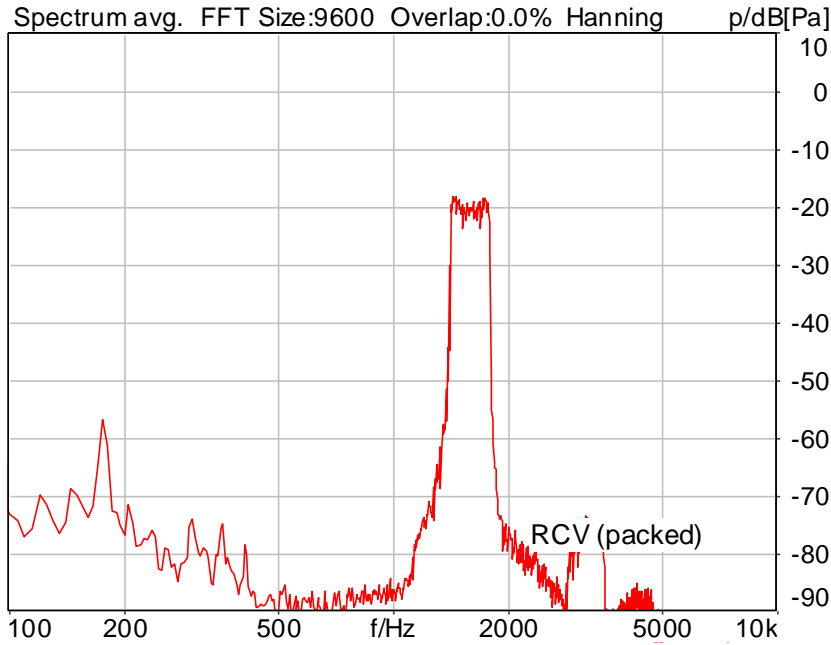
**Limits**

	<b>lower</b>
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



Distortion (Noise) RCV (packed): 44.37 dB (0.60%) Ok

Ok

2023/10/19 下午 03:06 ACQUA 5.1.200

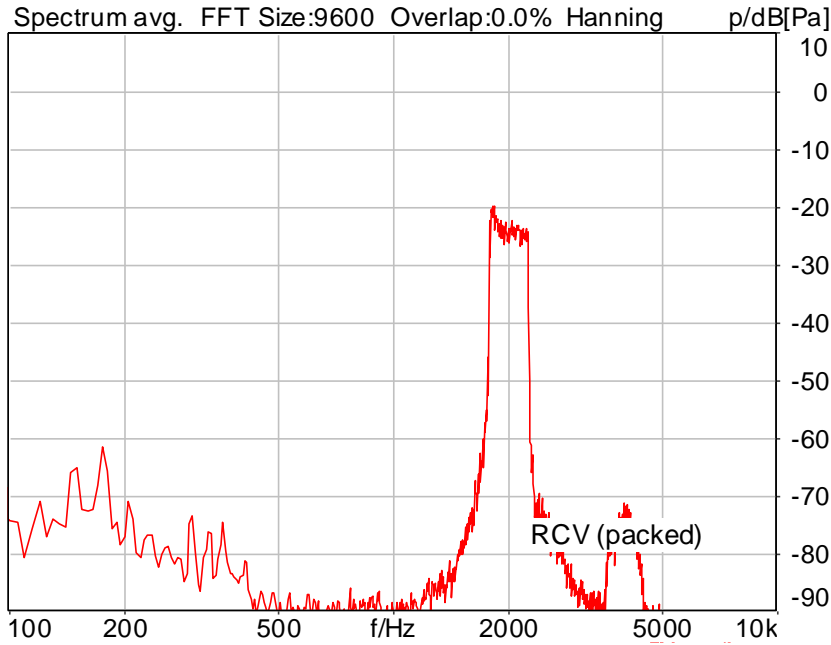
Limits

	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



Distortion (Noise) RCV (packed): 41.19 dB (0.87%) Ok

Ok

2023/10/19 下午 03:07 ACQUA 5.1.200

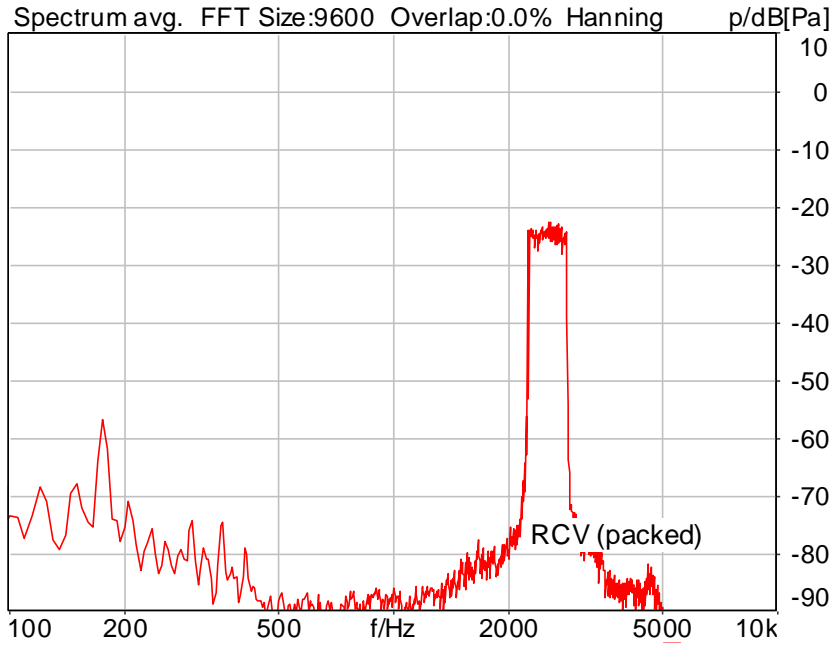
Limits

	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



Distortion (Noise) RCV (packed): 46.11 dB (0.50%) Ok

Ok

2023/10/19 下午 03:07 ACQUA 5.1.200

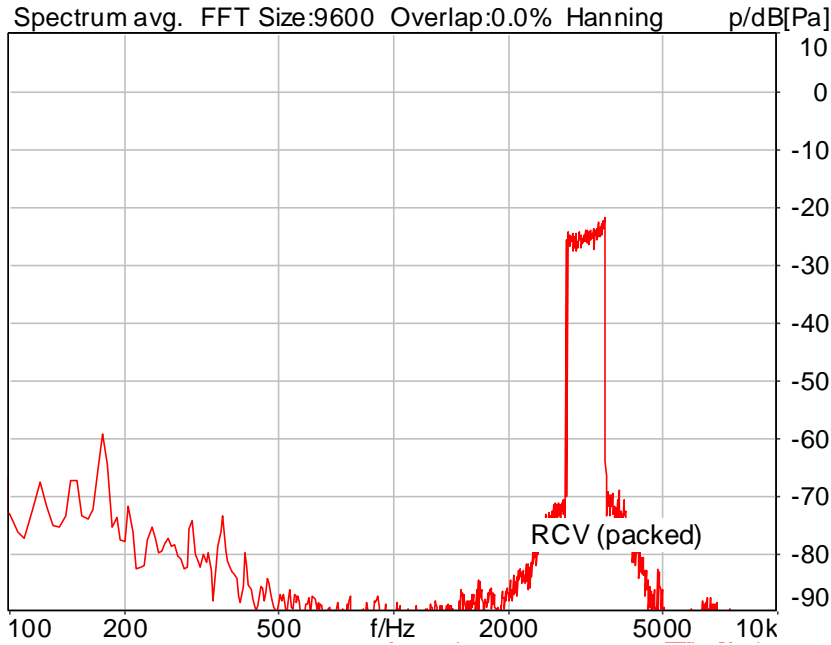
Limits

	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



Distortion (Noise) RCV (packed): 45.10 dB (0.56%) Ok

Ok

2023/10/19 下午 03:08 ACQUA 5.1.200

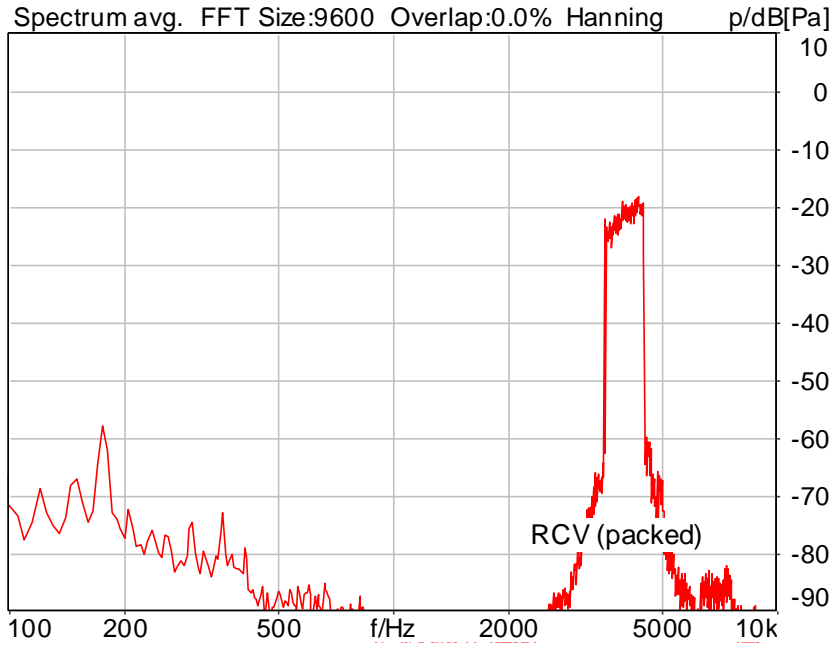
Limits

	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



Distortion (Noise) RCV (packed): 44.61 dB (0.59%) Ok

Ok

2023/10/19 下午 03:08 ACQUA 5.1.200

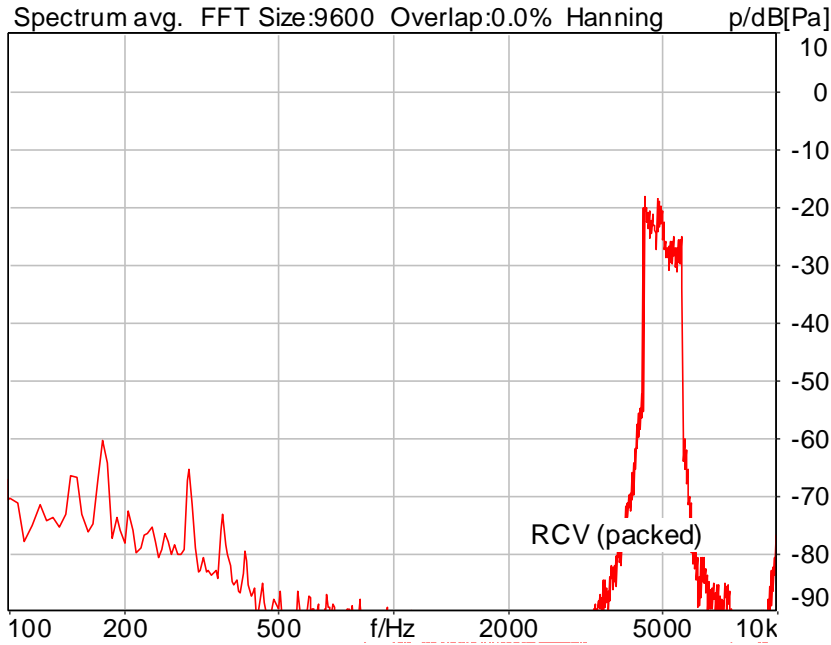
Limits

	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): 39.11 dB (1.11%) Ok

Ok

2023/10/19 下午 03:09 ACQUA 5.1.200

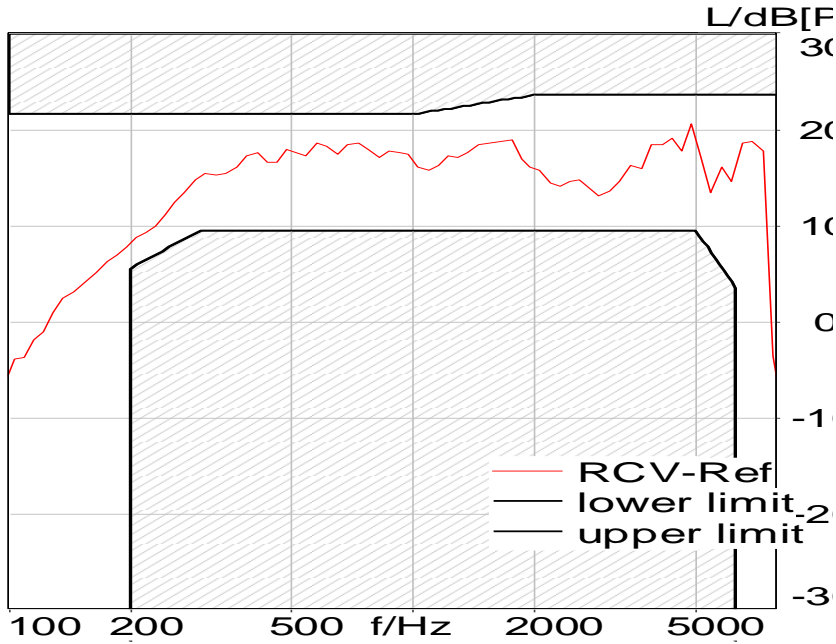
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.92 dB at 4870.0 Hz Ok

Ok

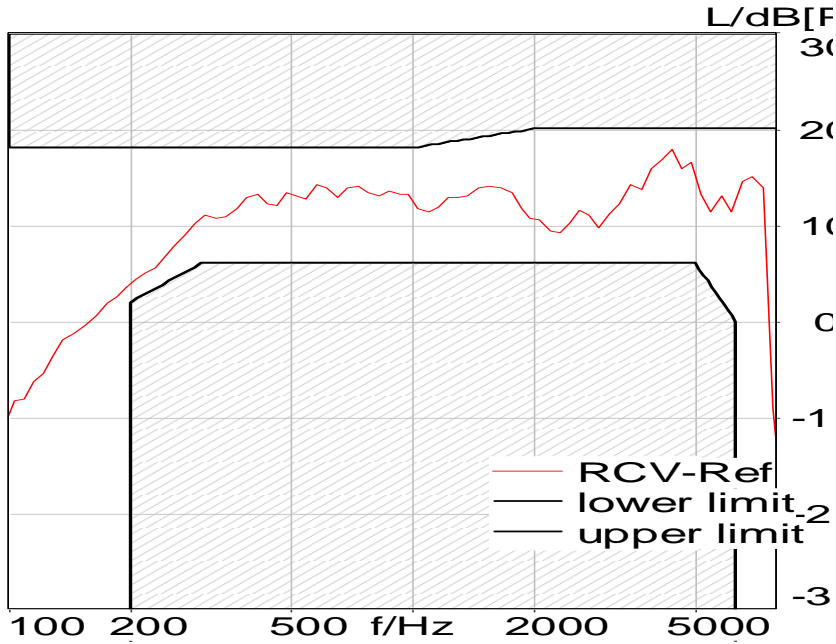
2023/10/19 下午 03:09 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.16 dB at 4369.4 Hz Ok

Ok

2023/10/19 下午 03:10 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#18 FR1 n48 EVS WB 24.4kbps

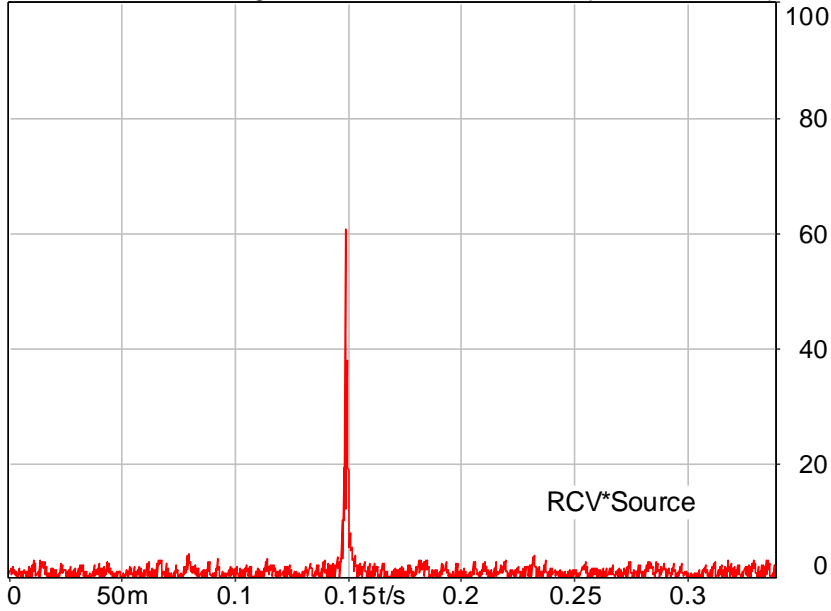
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	149.3
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.70
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	87.09
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.65
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.95
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.82
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.50
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.84
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.84
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.42
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.17
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.26
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.08
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.24
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.53
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.74
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.10
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.59
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.08
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.12
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.65
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.76
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.79
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.43
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.60
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.38
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.10
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.01
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.54
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.76
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.09
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	3.03
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.25



### Overall Receive Delay WB

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

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



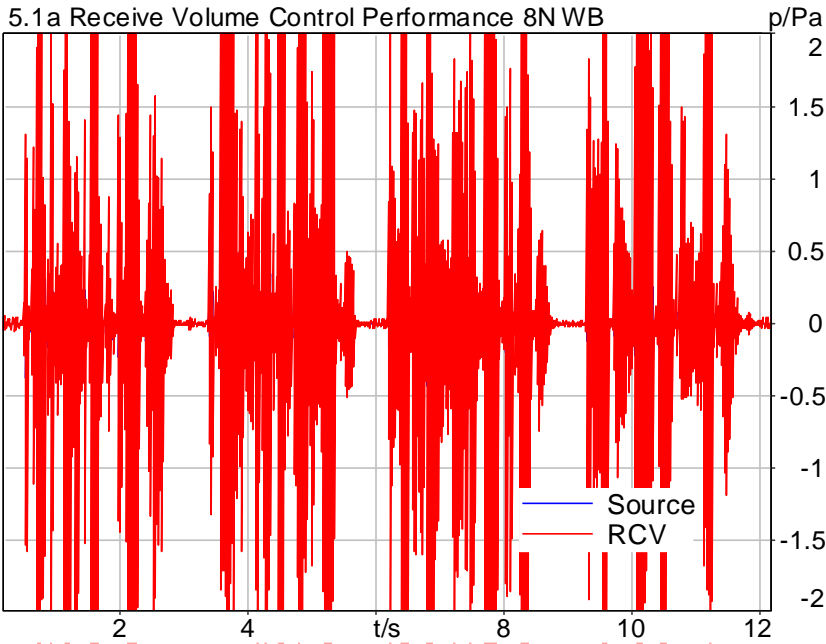
Delay (Cross): 149.3 ms

2023/10/19 下午 04:00 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.70 dB[SPL], Act.: 59.85% Ok

Ok

2023/10/19 下午 04:01 ACQUA 5.1.200

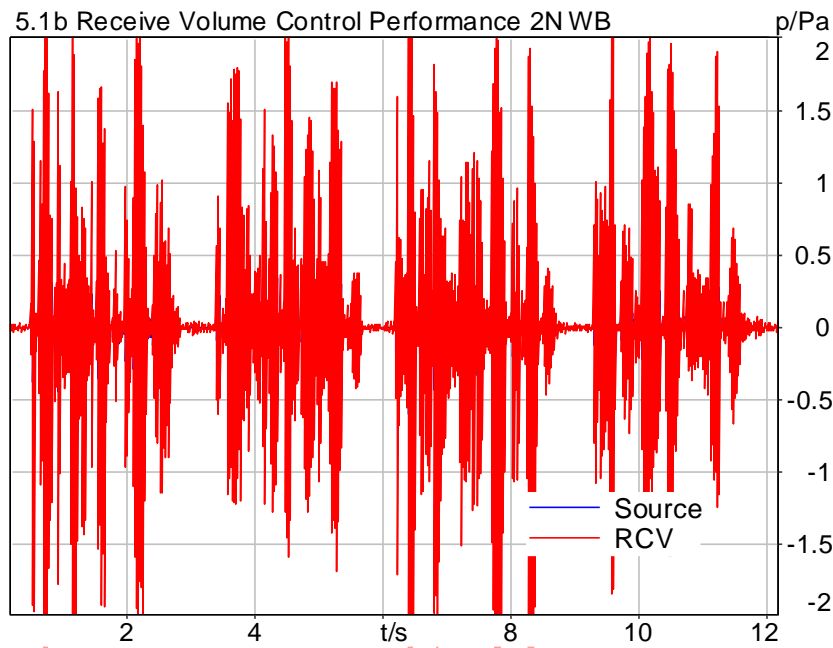
Limits

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 87.09 dB[SPL], Act.: 40.66% Ok

Ok

2023/10/19 下午 04:01 ACQUA 5.1.200

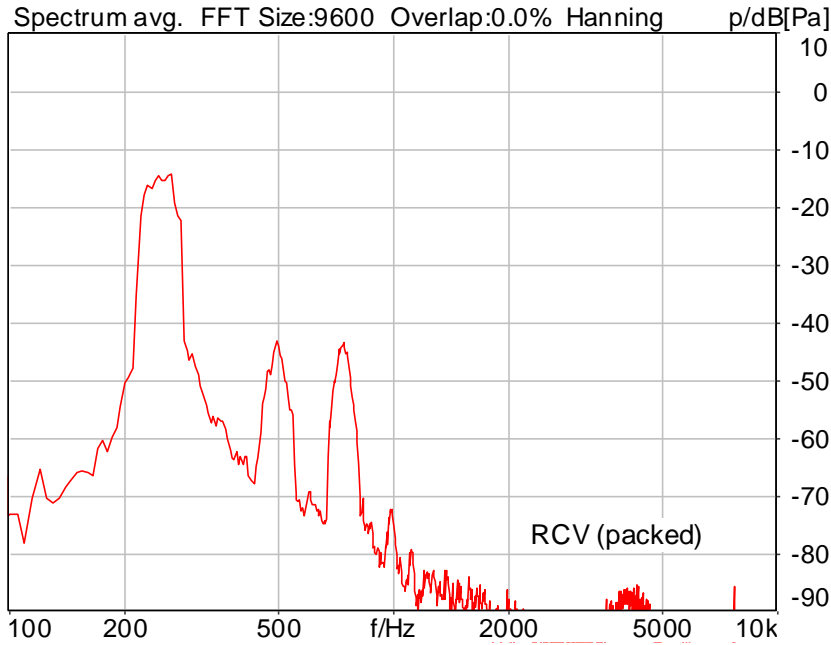
Limits

	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): 27.65 dB (4.14%) Ok

Ok

2023/10/19 下午 04:02 ACQUA 5.1.200

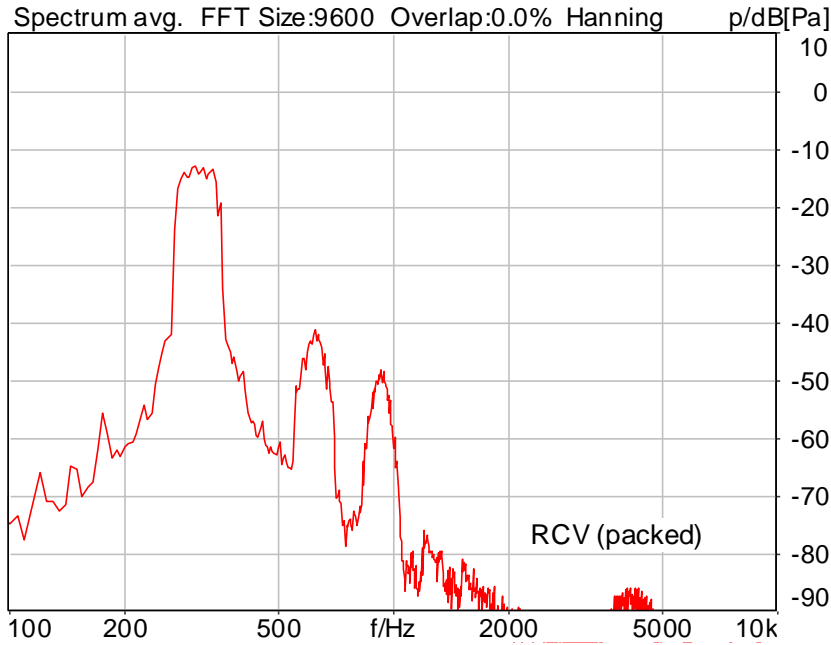
Limits

	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): 28.95 dB (3.57%) Ok

Ok

2023/10/19 下午 04:03 ACQUA 5.1.200

Limits

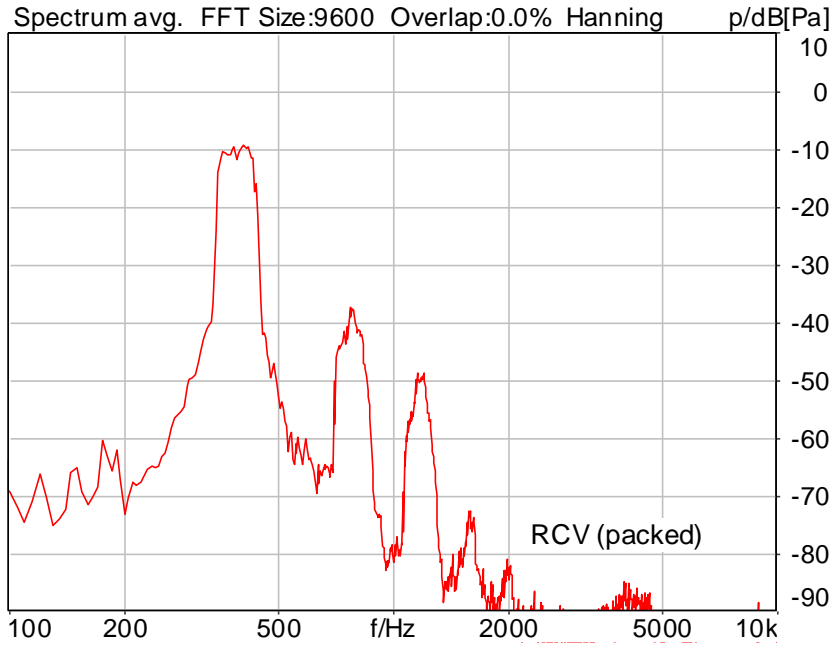
	lower
Run 1	20.00 dB





### 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): 28.82 dB (3.62%) Ok

Ok

2023/10/19 下午 04:03 ACQUA 5.1.200

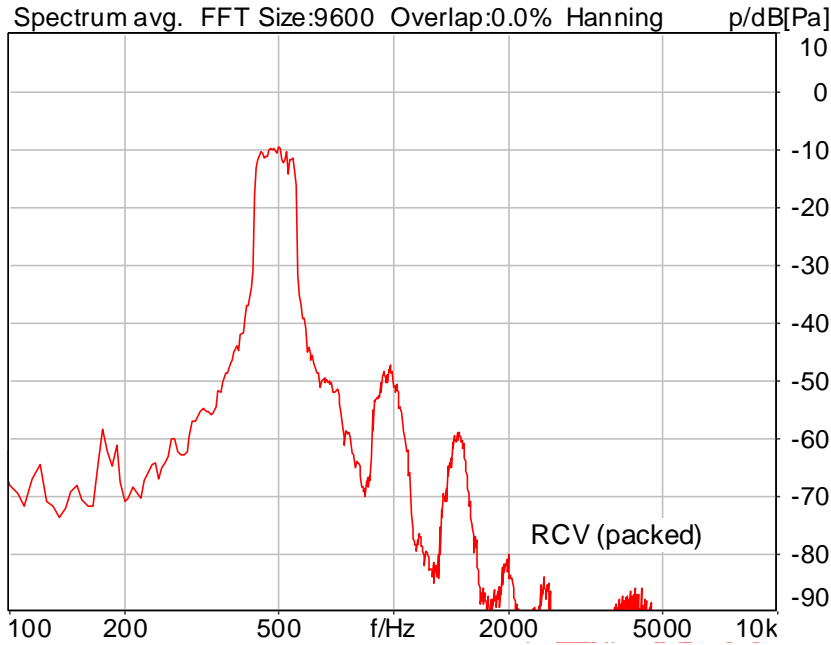
Limits

	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): 34.50 dB (1.88%) Ok

Ok

2023/10/19 下午 04:04 ACQUA 5.1.200

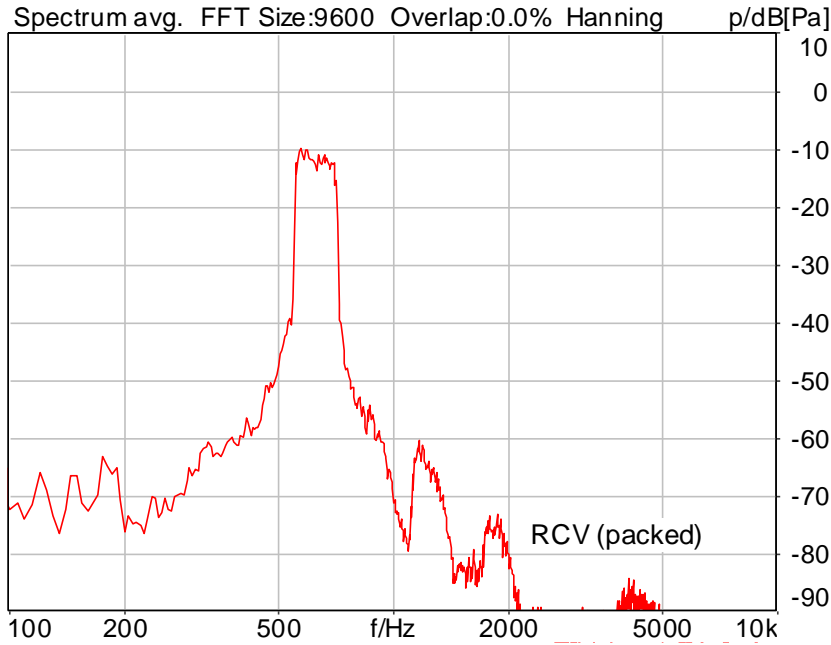
Limits

	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



Distortion (Noise) RCV (packed): 38.84 dB (1.14%) Ok

Ok

2023/10/19 下午 04:04 ACQUA 5.1.200

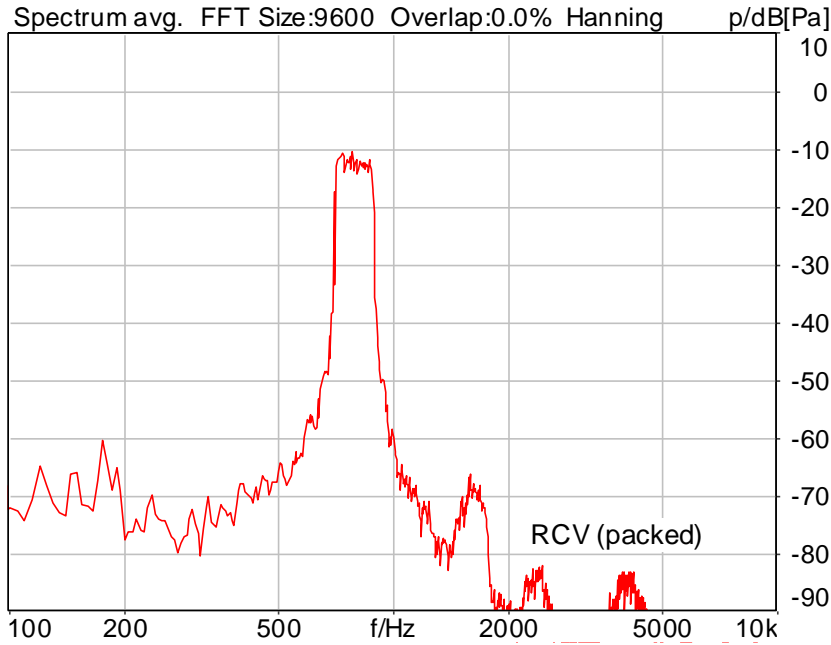
Limits

	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): 41.84 dB (0.81%) Ok

Ok

2023/10/19 下午 04:05 ACQUA 5.1.200

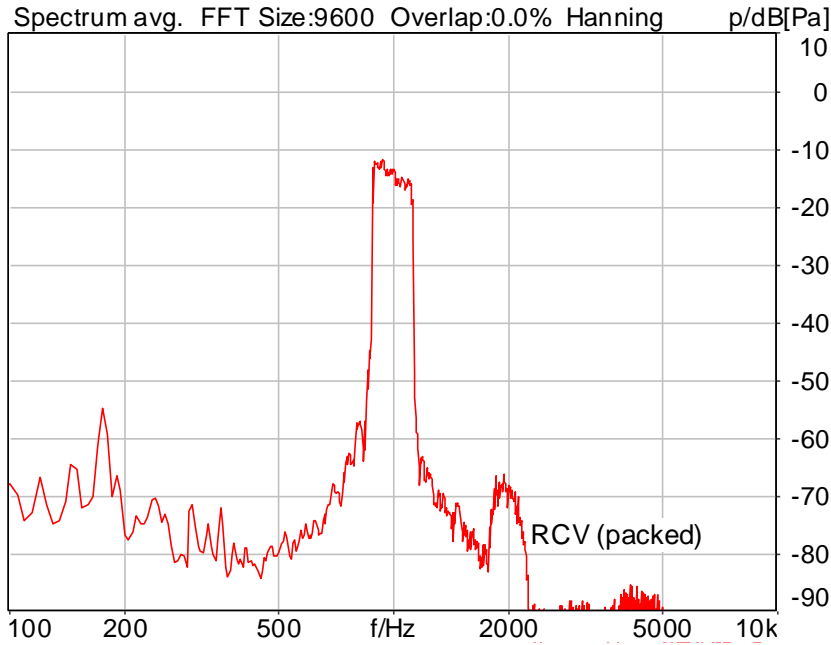
Limits

	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



Distortion (Noise) RCV (packed): 46.42 dB (0.48%) Ok

Ok

2023/10/19 下午 04:05 ACQUA 5.1.200

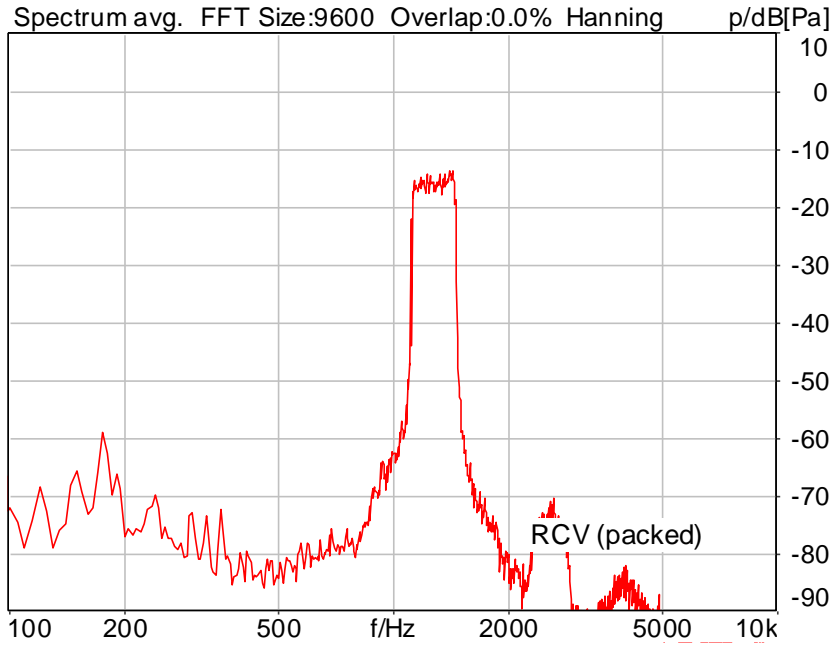
Limits

	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



Distortion (Noise) RCV (packed): 33.17 dB (2.20%) Ok

Ok

2023/10/19 下午 04:05 ACQUA 5.1.200

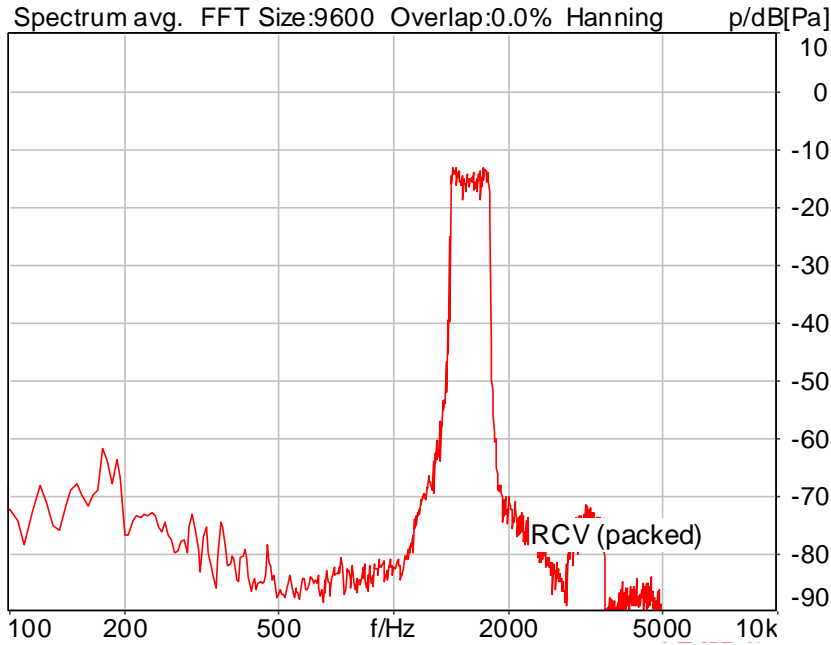
Limits

	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



Distortion (Noise) RCV (packed): 45.26 dB (0.55%) Ok

Ok

2023/10/19 下午 04:06 ACQUA 5.1.200

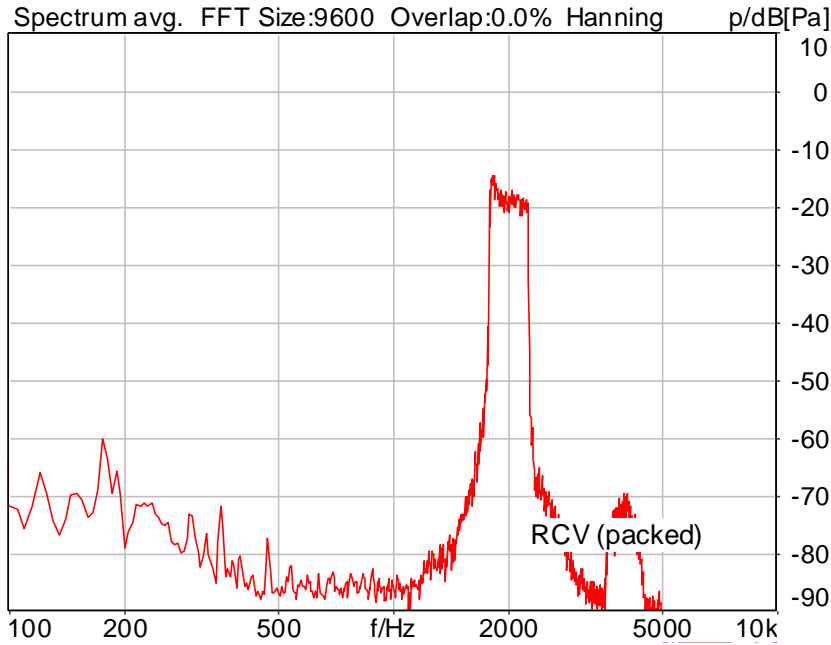
Limits

	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): 42.08 dB (0.79%) Ok

Ok

2023/10/19 下午 04:06 ACQUA 5.1.200

Limits

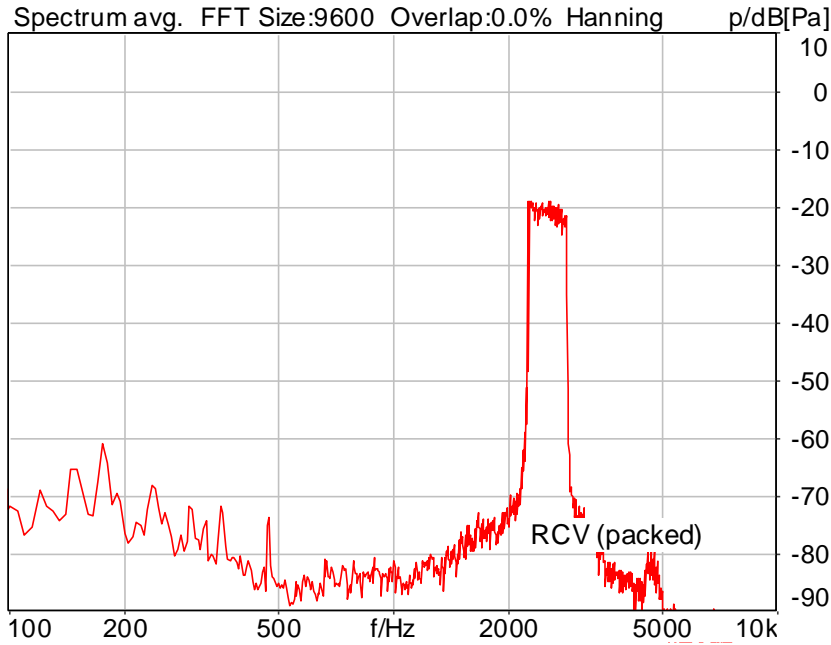
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 46.24 dB (0.49%) Ok

**Ok**

2023/10/19 下午 04:07 ACQUA 5.1.200

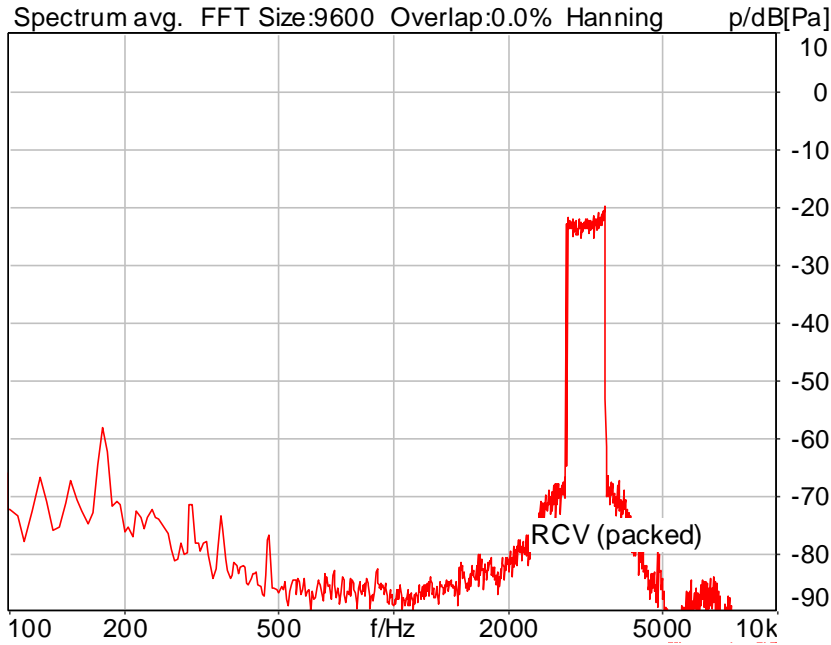
**Limits**

	<b>lower</b>
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



Distortion (Noise) RCV (packed): 44.53 dB (0.59%) Ok

Ok

2023/10/19 下午 04:07 ACQUA 5.1.200

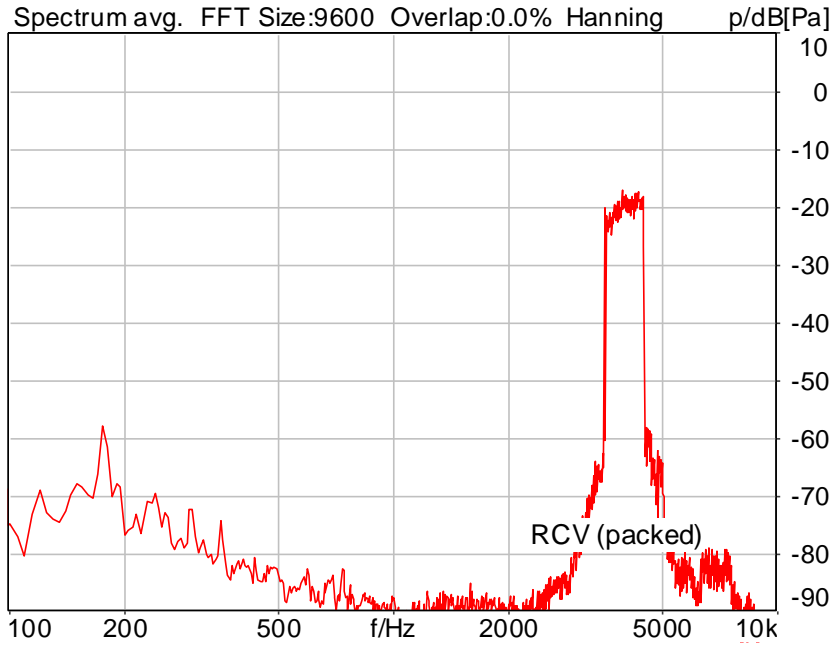
Limits

	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): 43.74 dB (0.65%) Ok

Ok

2023/10/19 下午 04:08 ACQUA 5.1.200

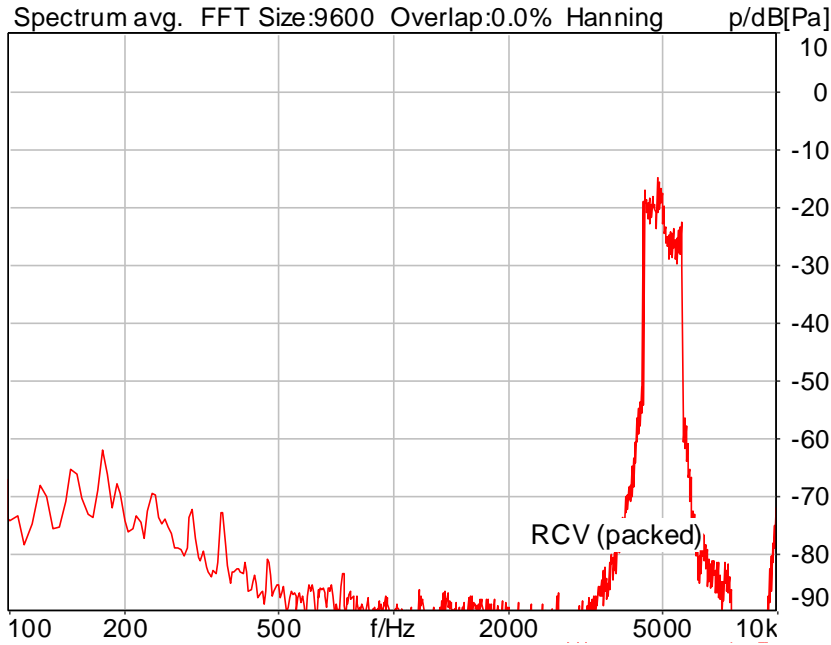
Limits

	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



Distortion (Noise) RCV (packed): 40.10 dB (0.99%) Ok

Ok

2023/10/19 下午 04:08 ACQUA 5.1.200

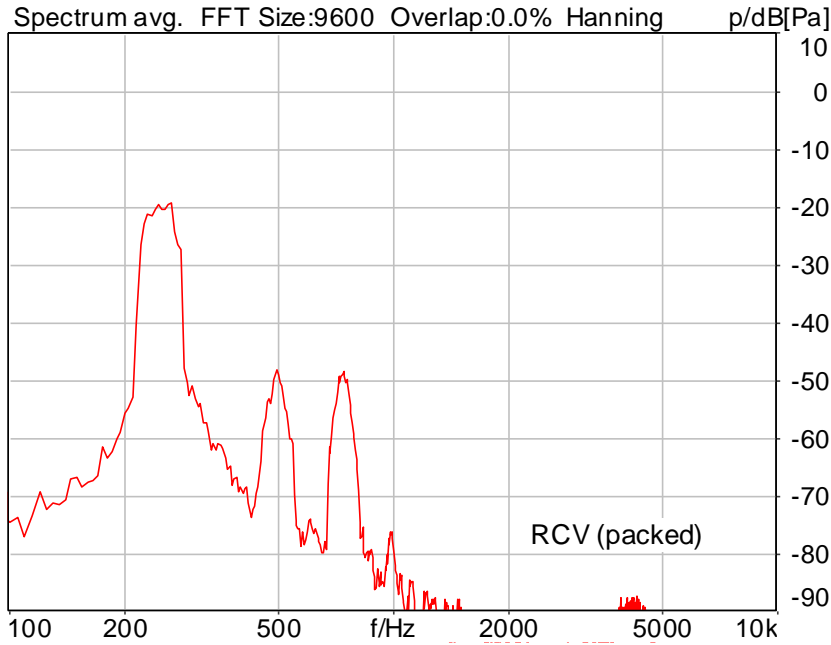
Limits

	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



Distortion (Noise) RCV (packed): 27.59 dB (4.17%) Ok

Ok

2023/10/19 下午 04:09 ACQUA 5.1.200

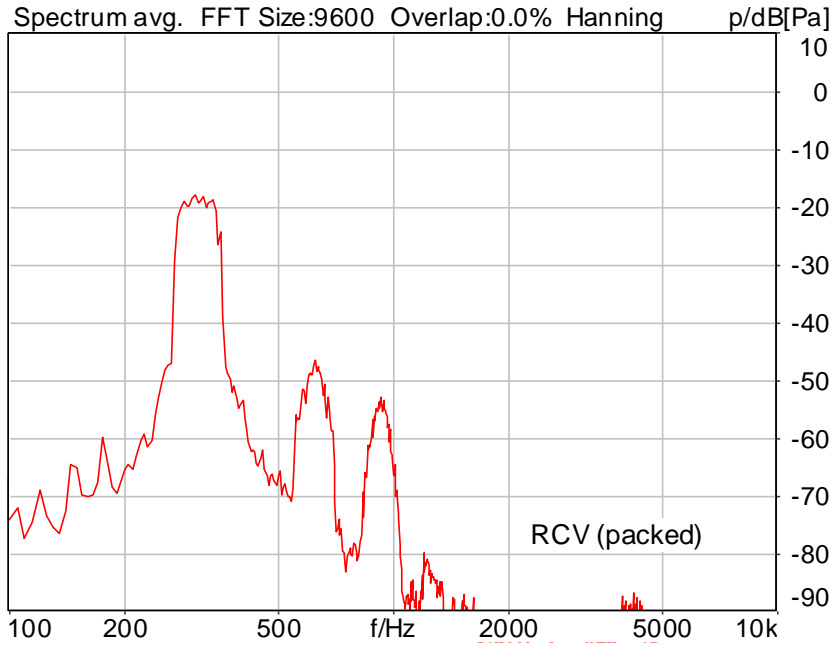
Limits

	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



Distortion (Noise) RCV (packed): 29.08 dB (3.52%) Ok

Ok

2023/10/19 下午 04:10 ACQUA 5.1.200

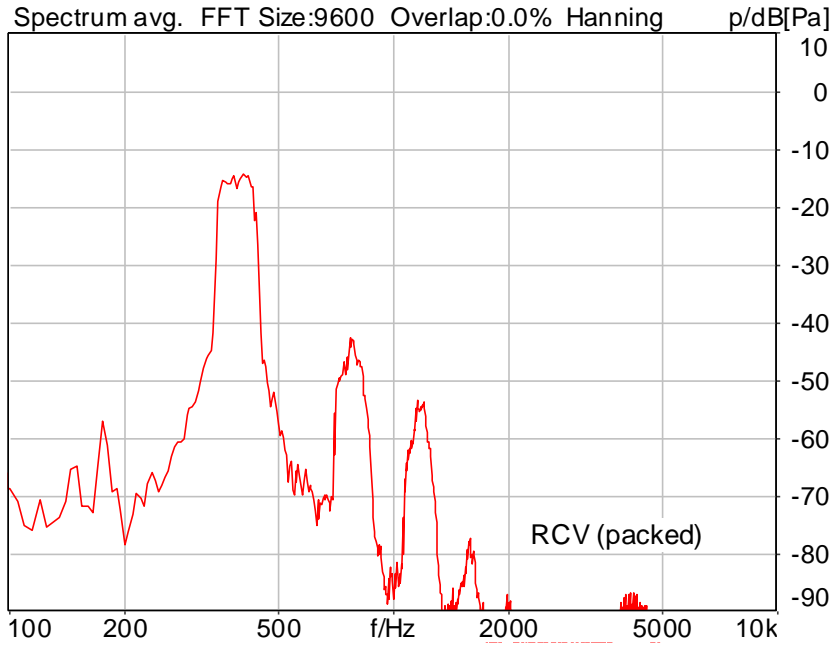
Limits

	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



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

Ok

2023/10/19 下午 04:10 ACQUA 5.1.200

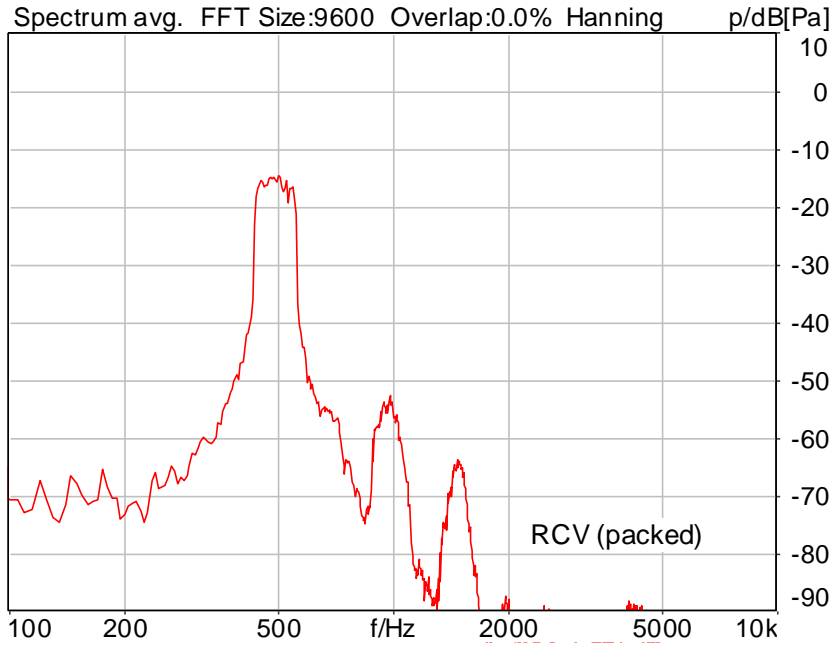
Limits

	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



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

Ok

2023/10/19 下午 04:11 ACQUA 5.1.200

Limits

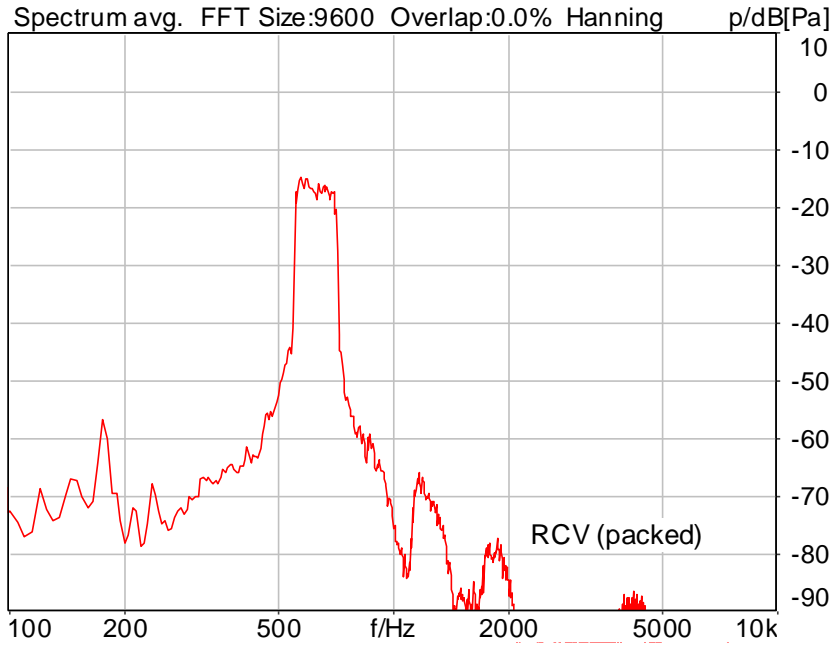
	lower
Run 1	20.00 dB





### 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): 38.76 dB (1.15%) Ok

Ok

2023/10/19 下午 04:11 ACQUA 5.1.200

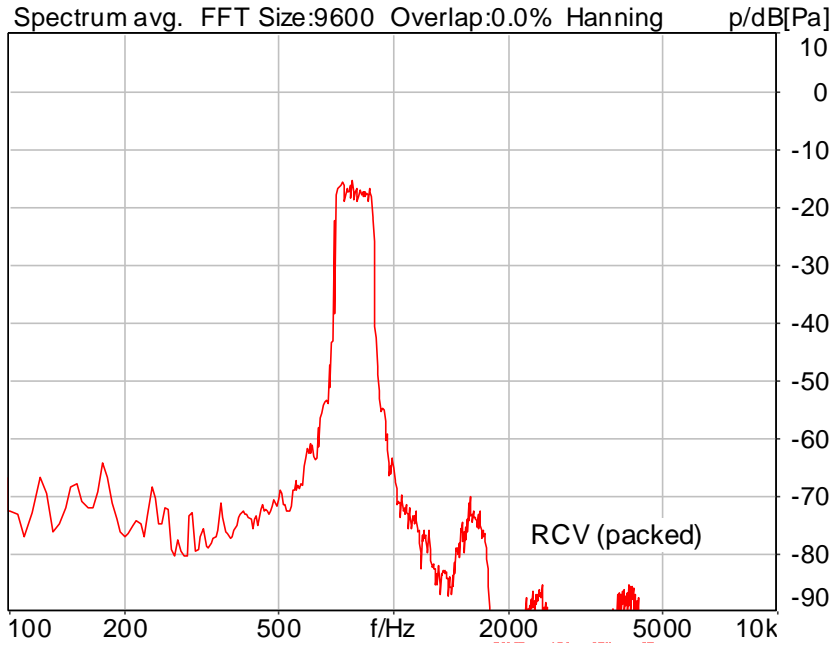
Limits

	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): 41.79 dB (0.81%) Ok

Ok

2023/10/19 下午 04:12 ACQUA 5.1.200

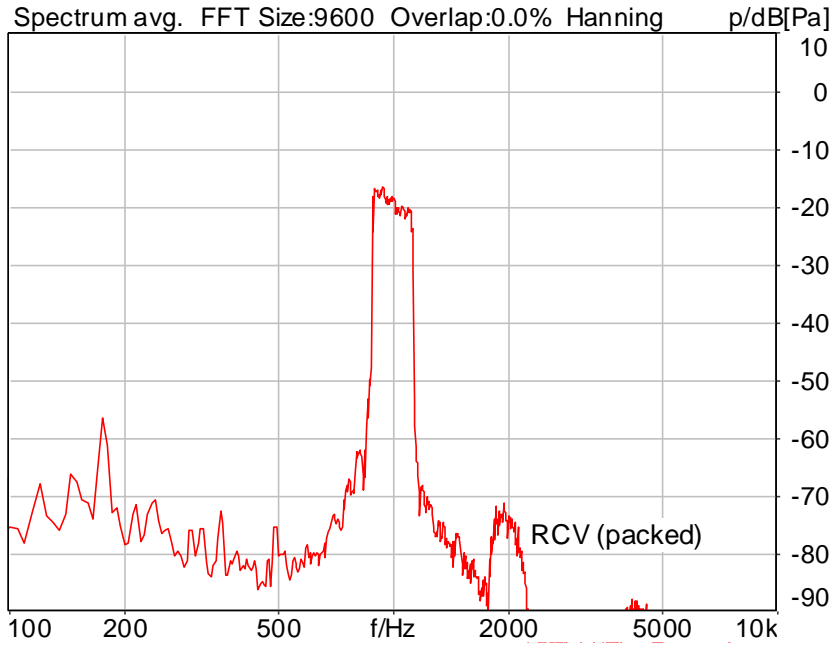
Limits

	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



Distortion (Noise) RCV (packed): 46.43 dB (0.48%) Ok

Ok

2023/10/19 下午 04:12 ACQUA 5.1.200

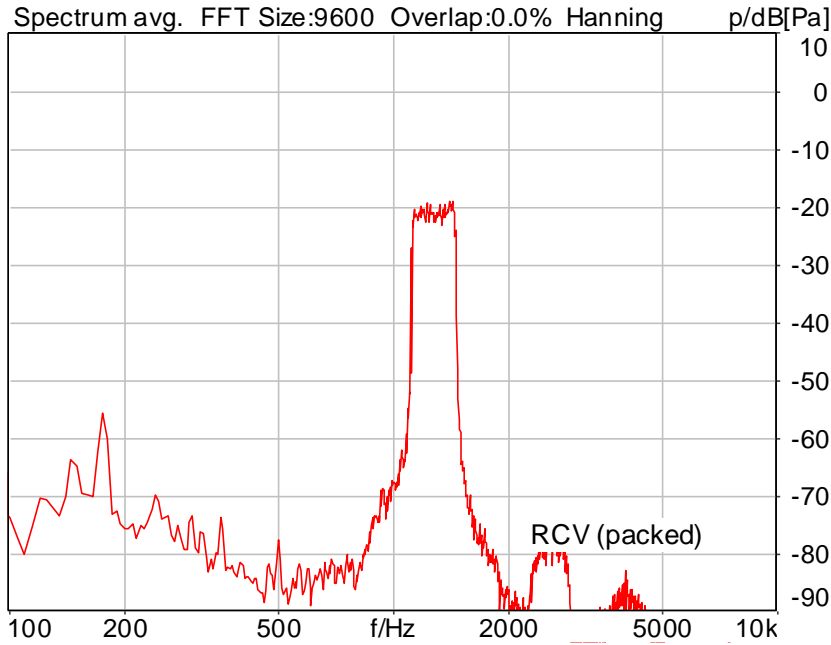
Limits

	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): 33.60 dB (2.09%) Ok

Ok

2023/10/19 下午 04:13 ACQUA 5.1.200

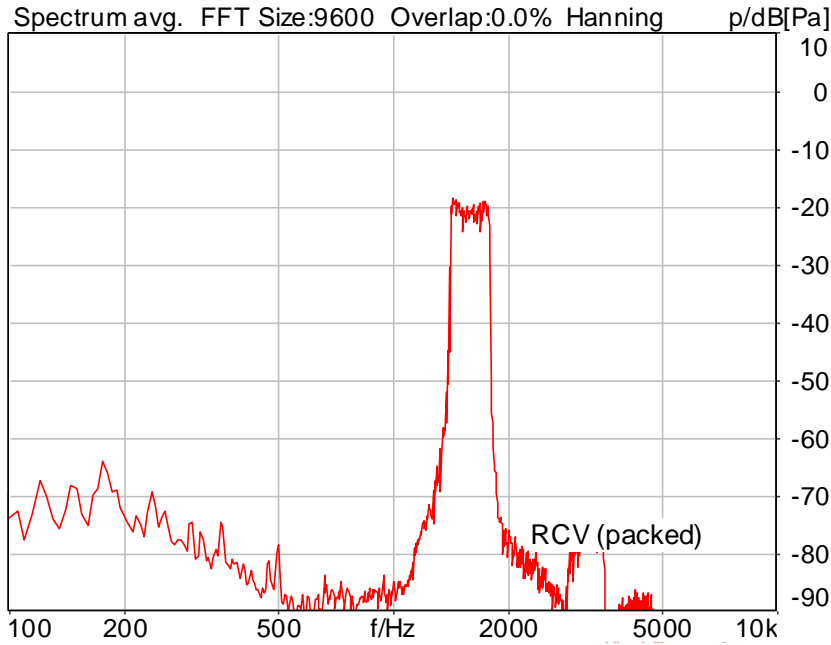
Limits

	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



Distortion (Noise) RCV (packed): 44.38 dB (0.60%) Ok

Ok

2023/10/19 下午 04:14 ACQUA 5.1.200

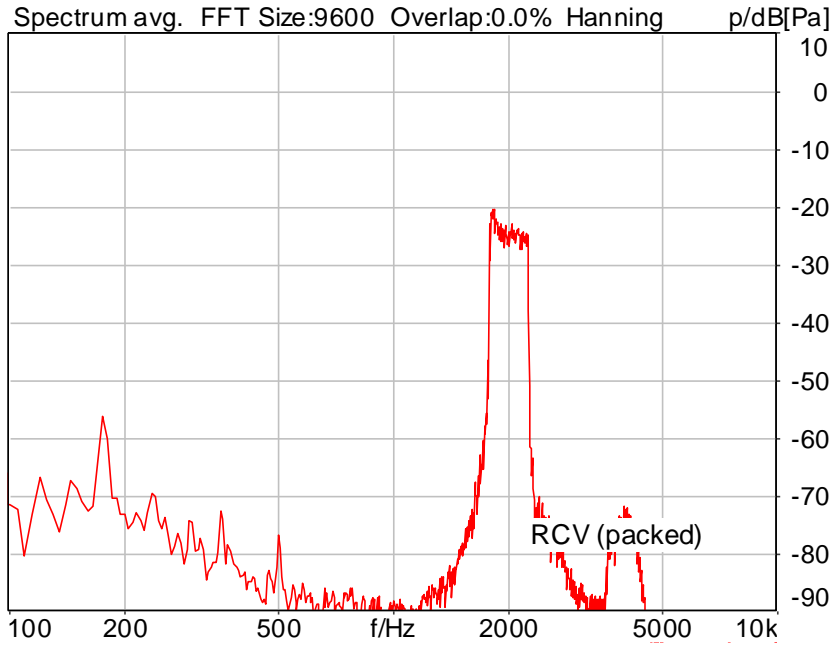
Limits

	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



Distortion (Noise) RCV (packed): 41.10 dB (0.88%) Ok

Ok

2023/10/19 下午 04:14 ACQUA 5.1.200

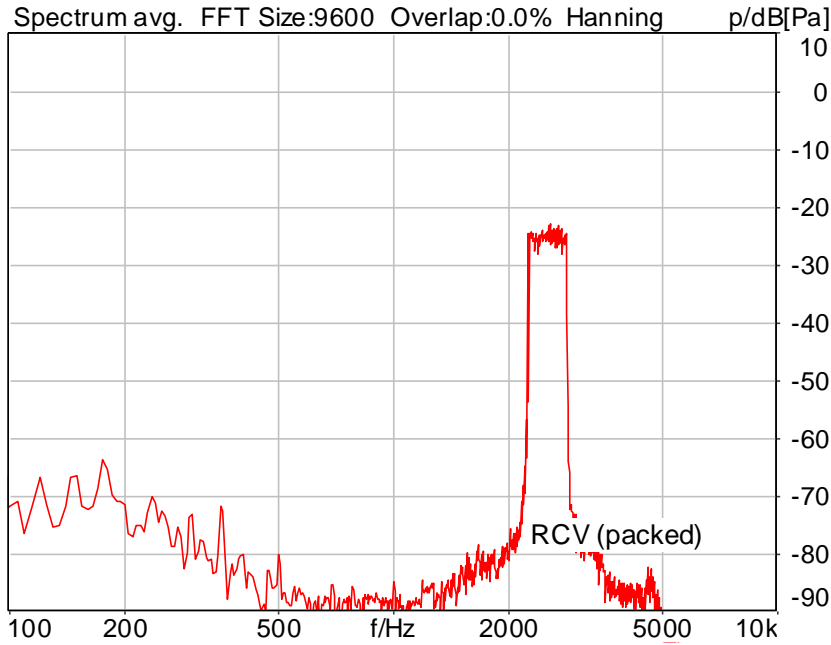
Limits

	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



Distortion (Noise) RCV (packed): 46.01 dB (0.50%) Ok

Ok

2023/10/19 下午 04:15 ACQUA 5.1.200

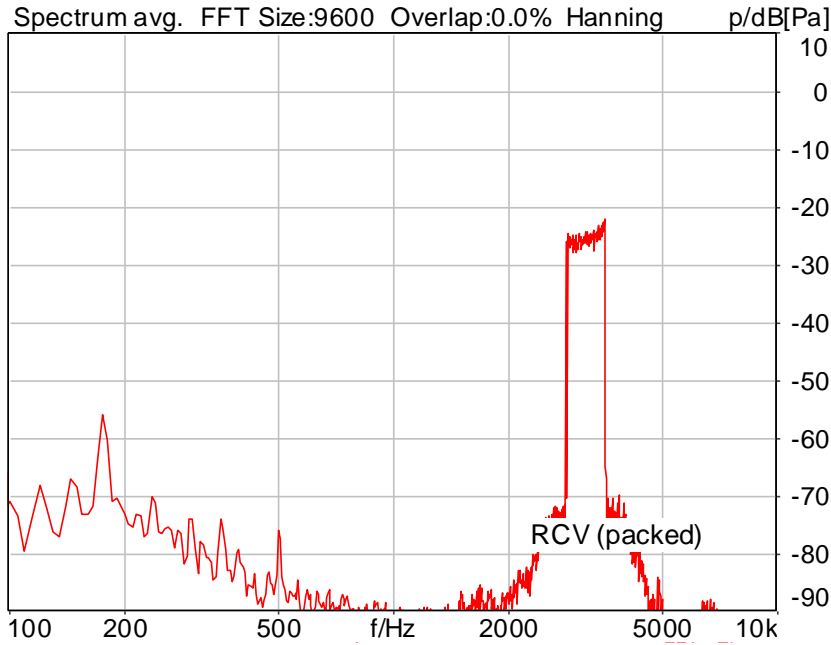
Limits

	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



Distortion (Noise) RCV (packed): 45.54 dB (0.53%) Ok

Ok

2023/10/19 下午 04:15 ACQUA 5.1.200

Limits

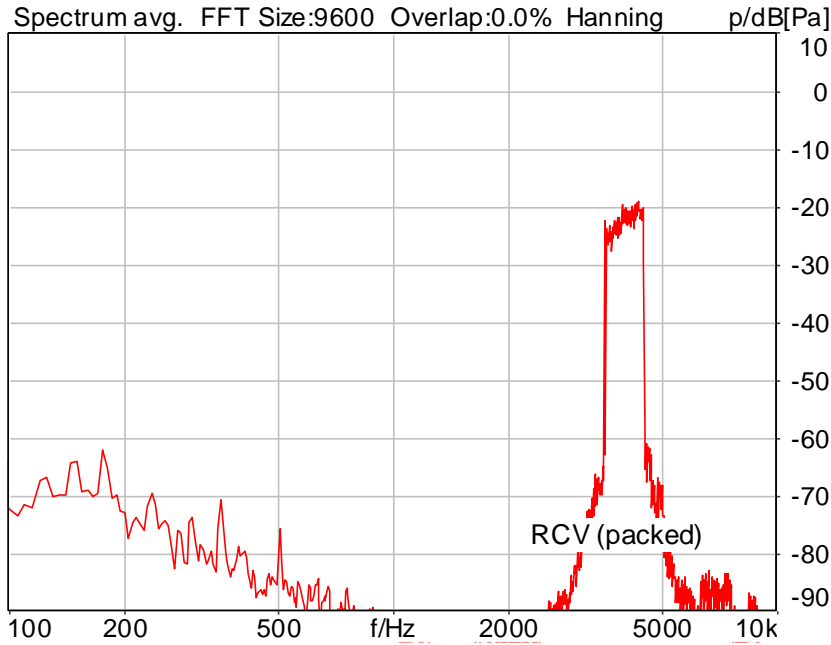
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.76 dB (0.58%) Ok

Ok

2023/10/19 下午 04:16 ACQUA 5.1.200

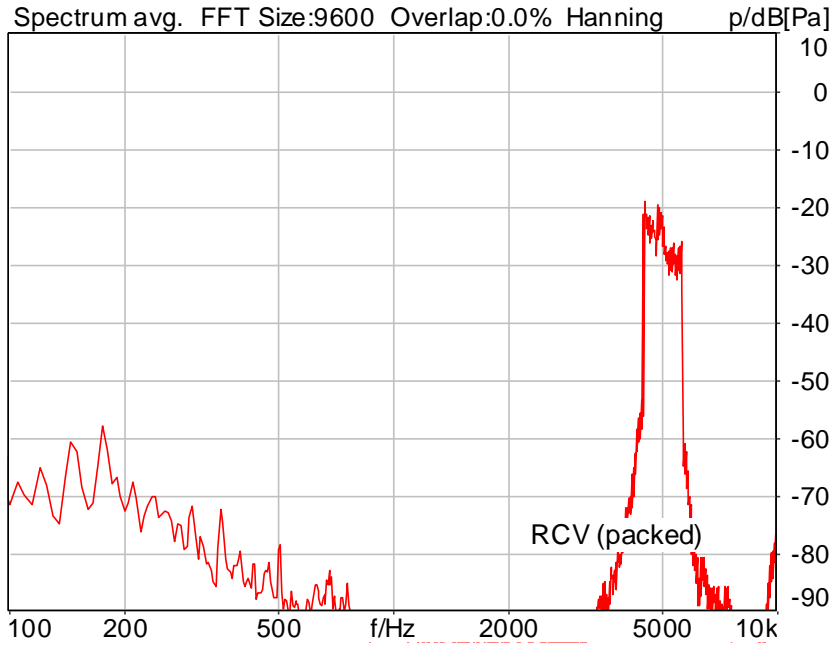
Limits

	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): 39.09 dB (1.11%) Ok

Ok

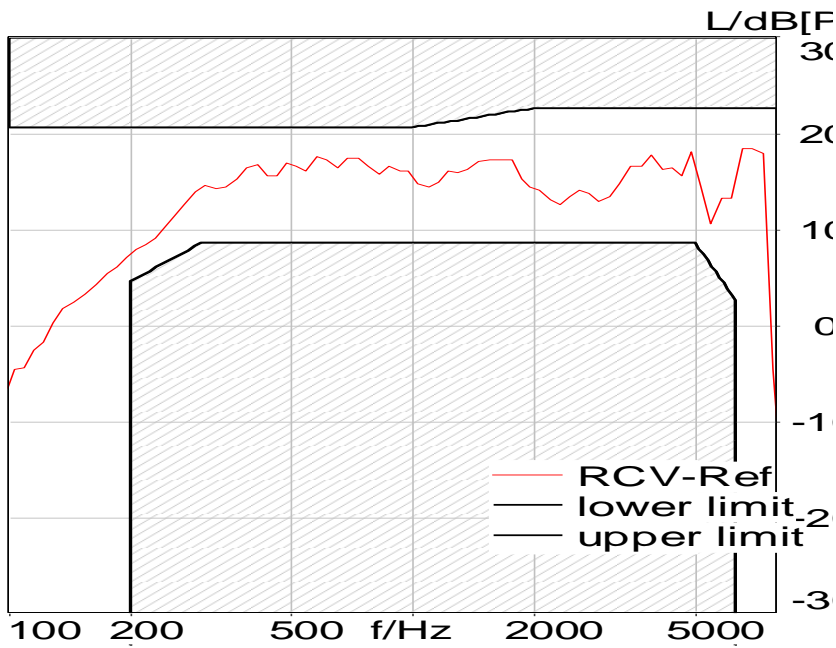
2023/10/19 下午 04:16 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
3.03 dB at 576.7 Hz Ok

Ok

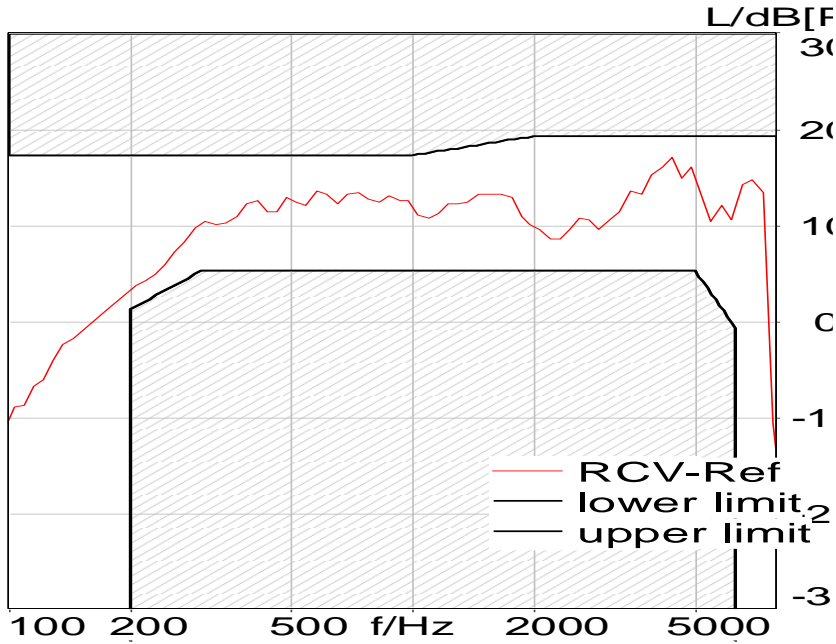
2023/10/19 下午 04:17 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.25 dB at 4369.4 Hz Ok

Ok

2023/10/19 下午 04:18 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#19 FR1 n66 EVS WB 24.4kbps

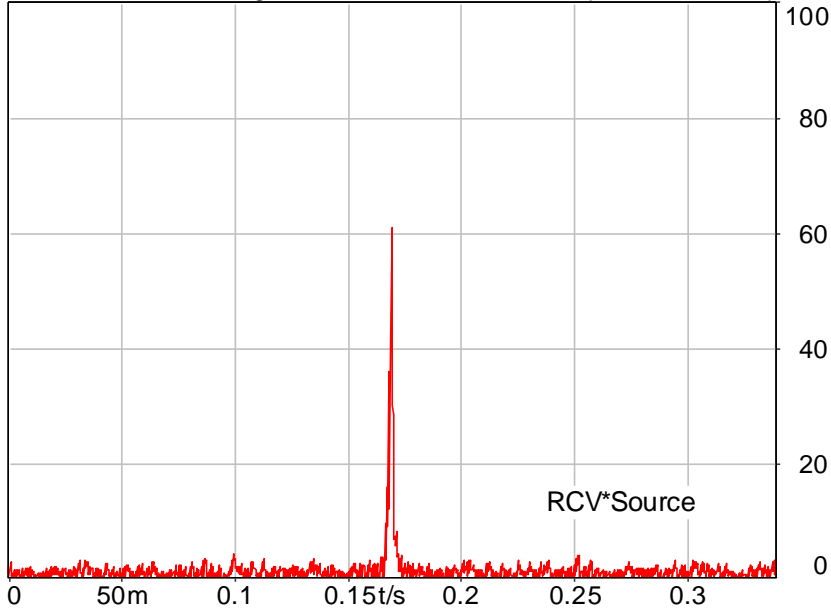
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	169.1
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.90
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.76
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.79
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.07
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.91
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.51
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.18
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.80
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.40
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.95
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.75
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.00
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.15
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.43
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.72
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.04
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.50
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.75
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.70
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.53
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.44
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.41
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.38
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.04
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.90
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.15
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.45
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.84
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.53
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.96
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	2.97
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	2.08



### Overall Receive Delay WB

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

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



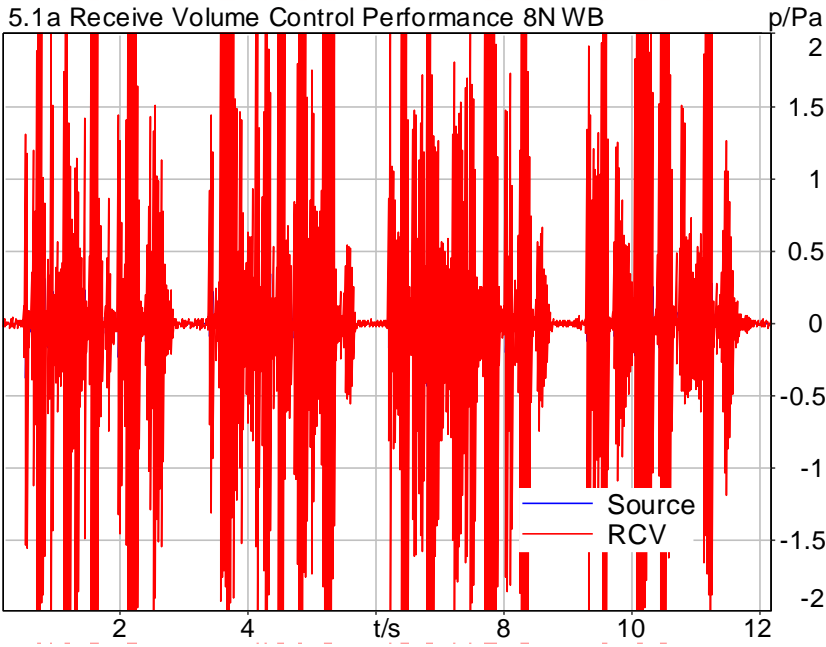
Delay (Cross): 169.1 ms

2023/10/19 下午 04:36 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.90 dB[SPL], Act.: 57.82% Ok

Ok

2023/10/19 下午 04:36 ACQUA 5.1.200

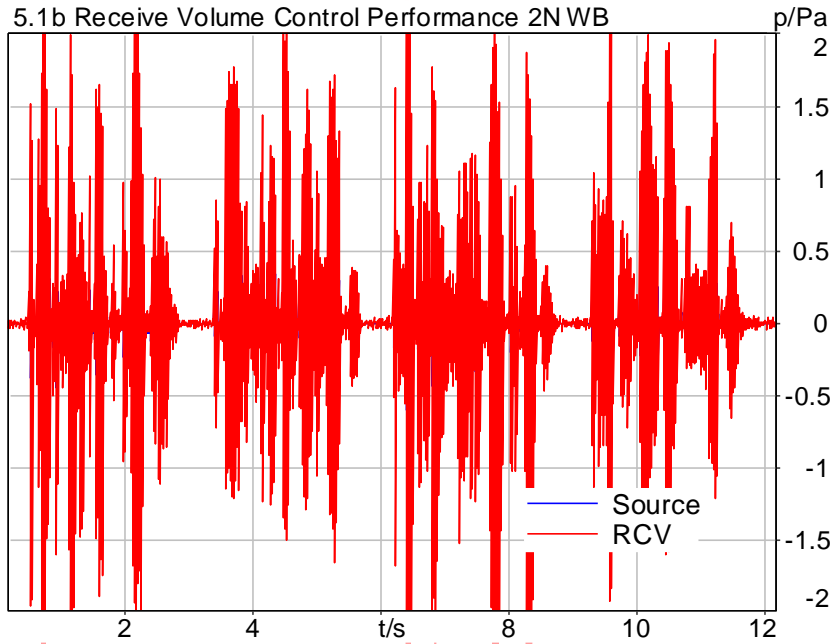
Limits

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.76 dB[SPL], Act.: 25.76% Ok

Ok

2023/10/19 下午 04:37 ACQUA 5.1.200

**Limits**

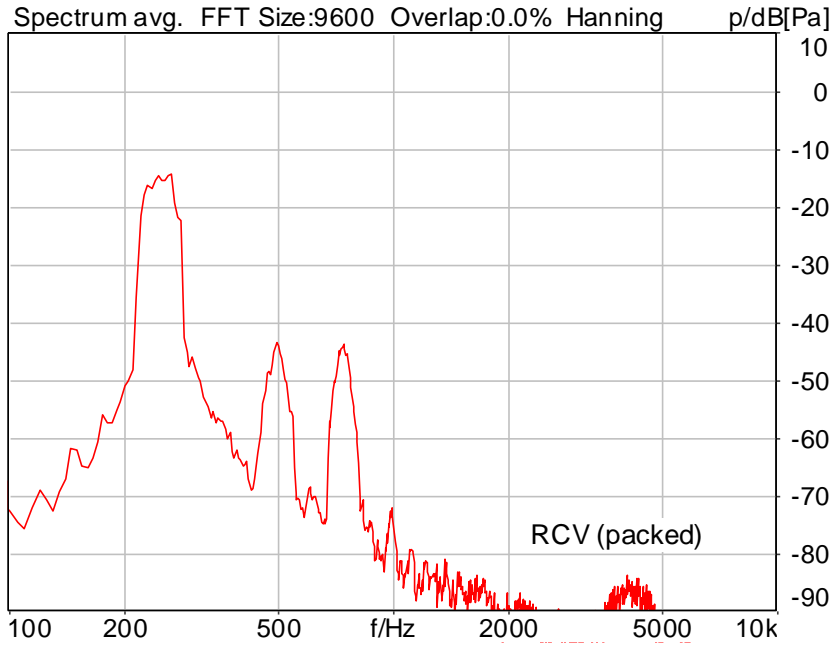
	<b>lower</b>
Run 1	76.00 dB20uPa





### 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): 27.79 dB (4.08%) Ok

Ok

2023/10/19 下午 04:38 ACQUA 5.1.200

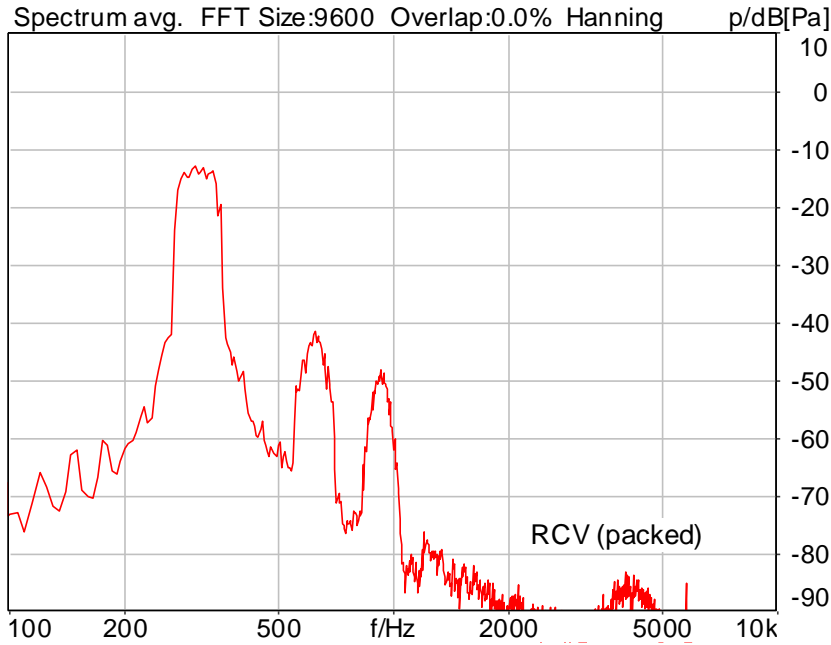
Limits

	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): 29.07 dB (3.52%) Ok

Ok

2023/10/19 下午 04:39 ACQUA 5.1.200

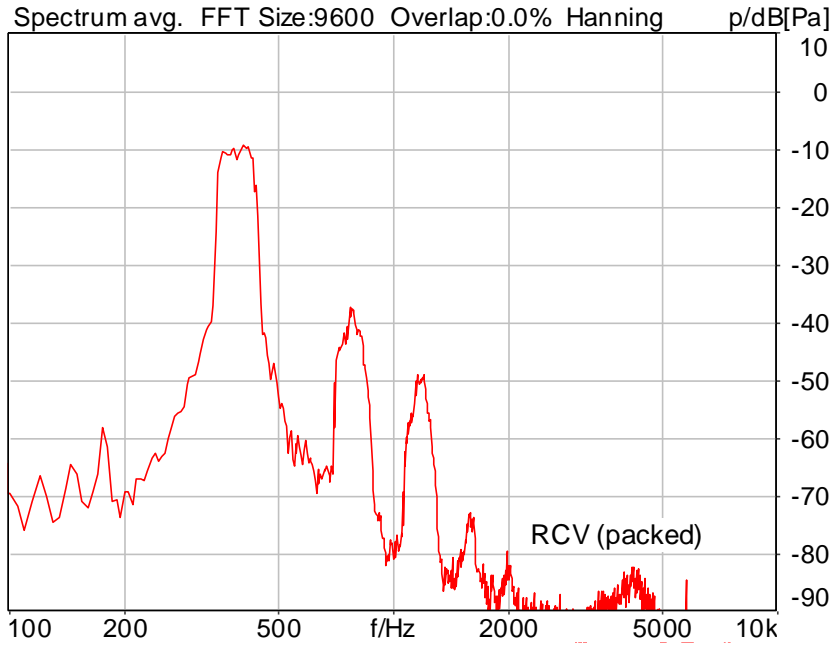
Limits

	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): 28.91 dB (3.58%) Ok

Ok

2023/10/19 下午 04:39 ACQUA 5.1.200

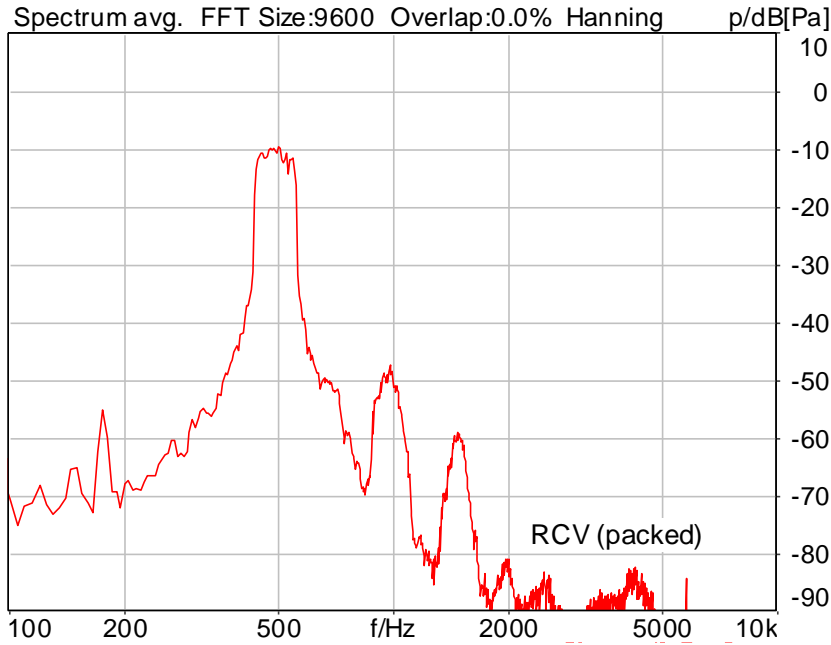
Limits

	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): 34.51 dB (1.88%) Ok

Ok

2023/10/19 下午 04:39 ACQUA 5.1.200

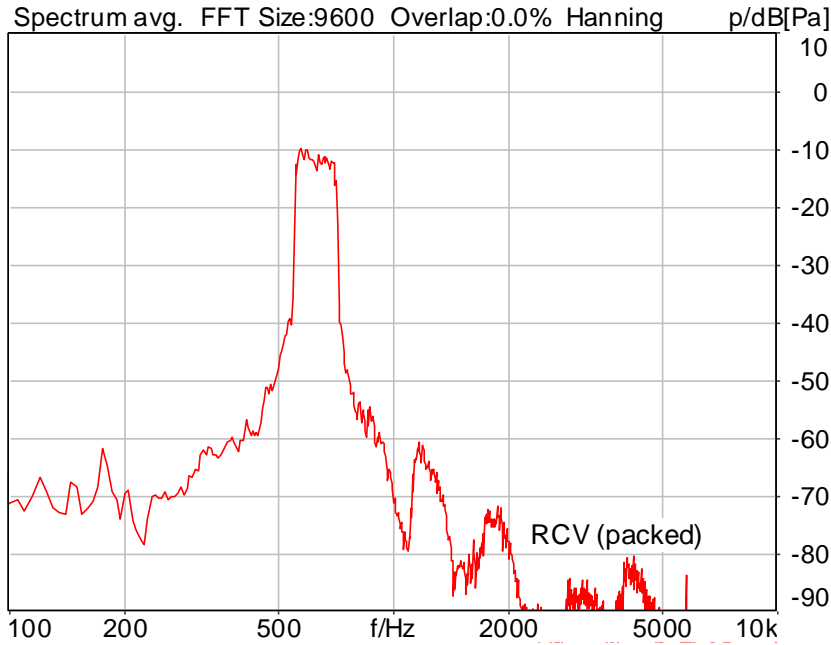
Limits

	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



Distortion (Noise) RCV (packed): 39.18 dB (1.10%) Ok

Ok

2023/10/19 下午 04:40 ACQUA 5.1.200

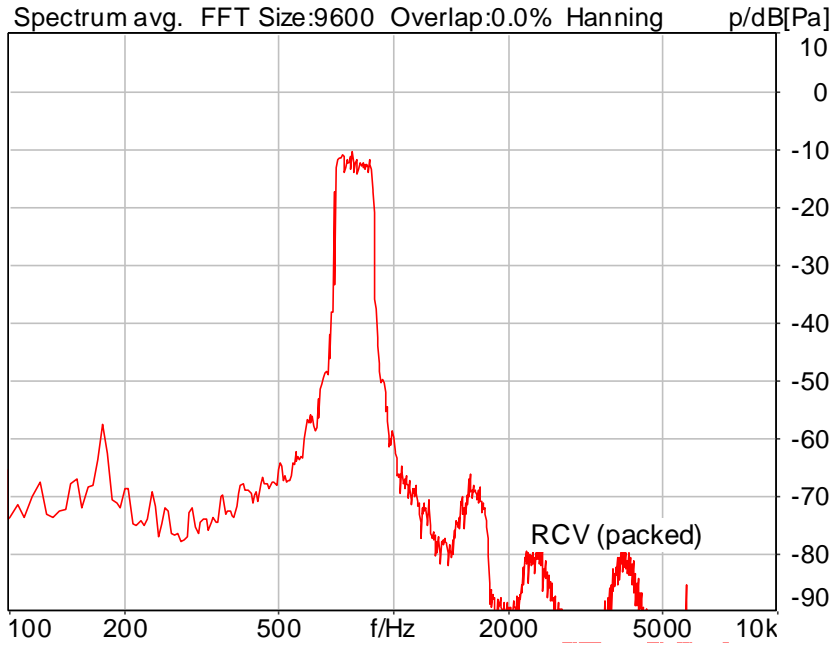
Limits

	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



Distortion (Noise) RCV (packed): 41.80 dB (0.81%) Ok

**Ok**

2023/10/19 下午 04:40 ACQUA 5.1.200

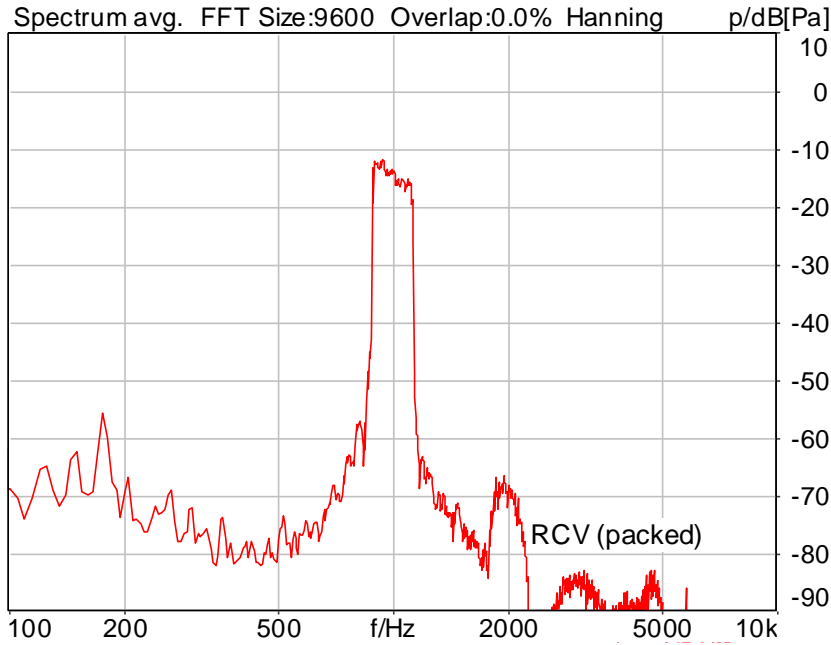
**Limits**

	<b>lower</b>
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



Distortion (Noise) RCV (packed): 46.40 dB (0.48%) Ok

Ok

2023/10/19 下午 04:41 ACQUA 5.1.200

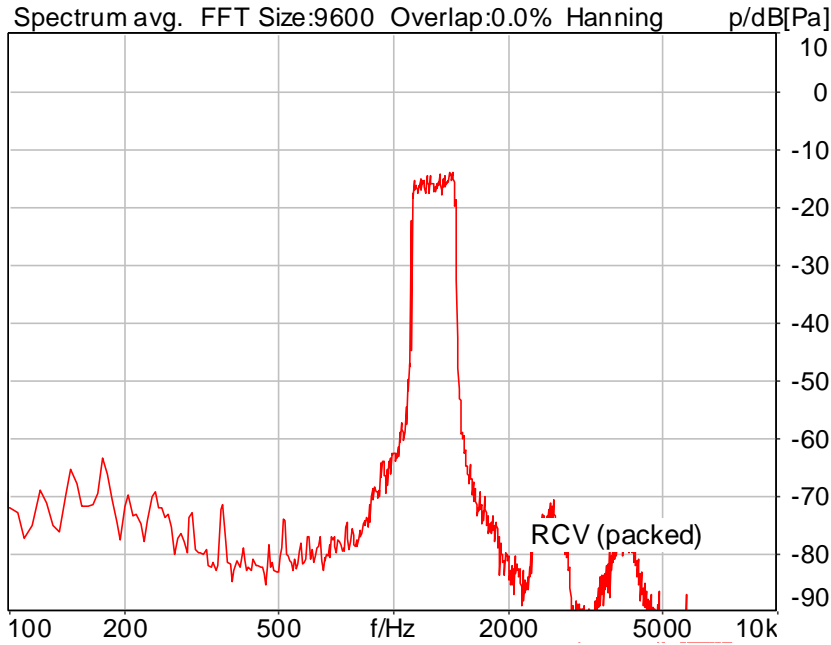
Limits

	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



Distortion (Noise) RCV (packed): 32.95 dB (2.25%) Ok

Ok

2023/10/19 下午 04:41 ACQUA 5.1.200

Limits

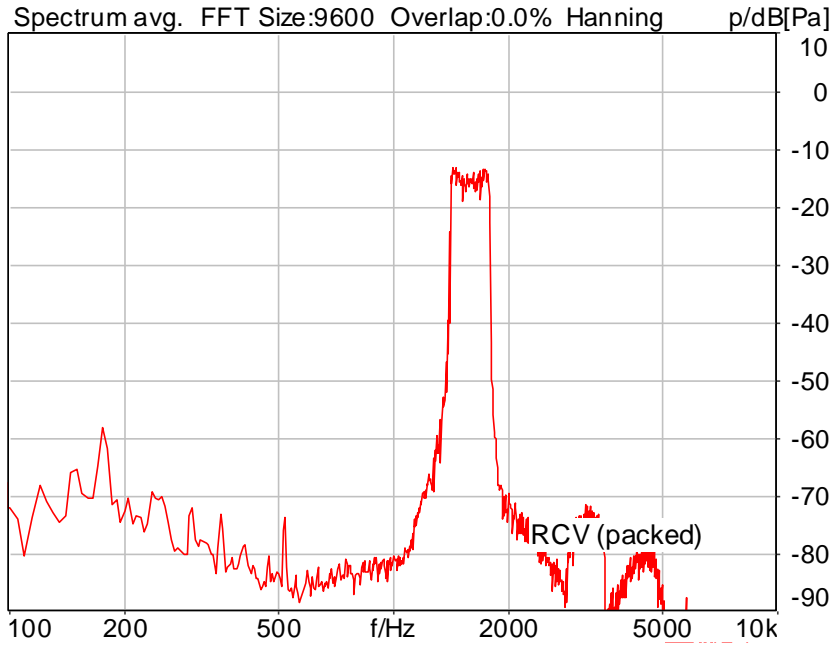
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.75 dB (0.58%) Ok

Ok

2023/10/19 下午 04:42 ACQUA 5.1.200

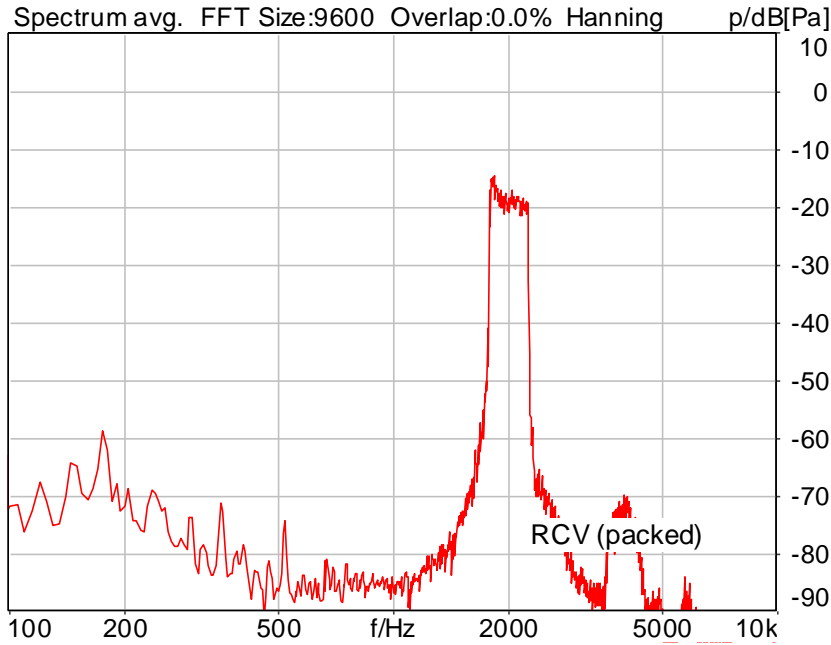
Limits

	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): 42.00 dB (0.79%) Ok

Ok

2023/10/19 下午 04:42 ACQUA 5.1.200

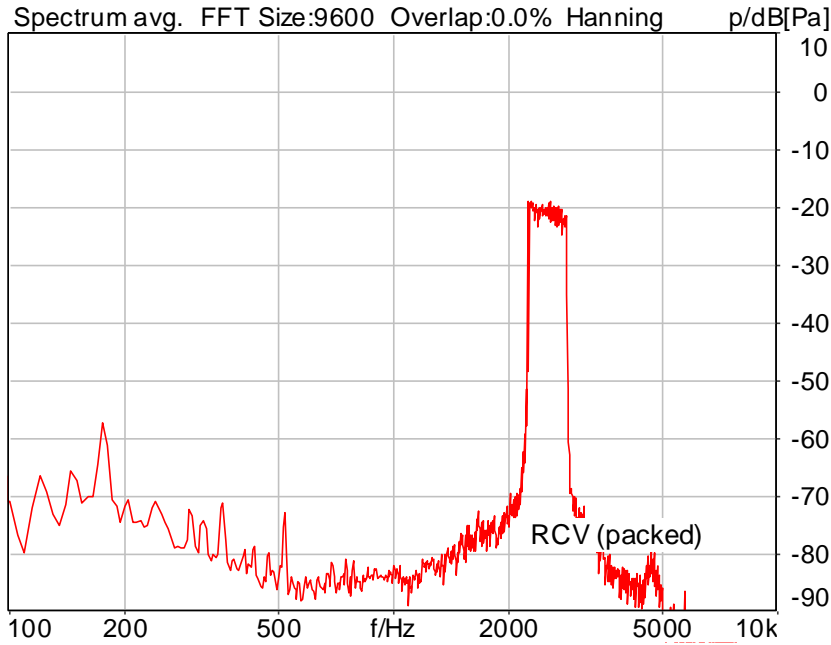
Limits

	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



Distortion (Noise) RCV (packed): 46.15 dB (0.49%) Ok

Ok

2023/10/19 下午 04:43 ACQUA 5.1.200

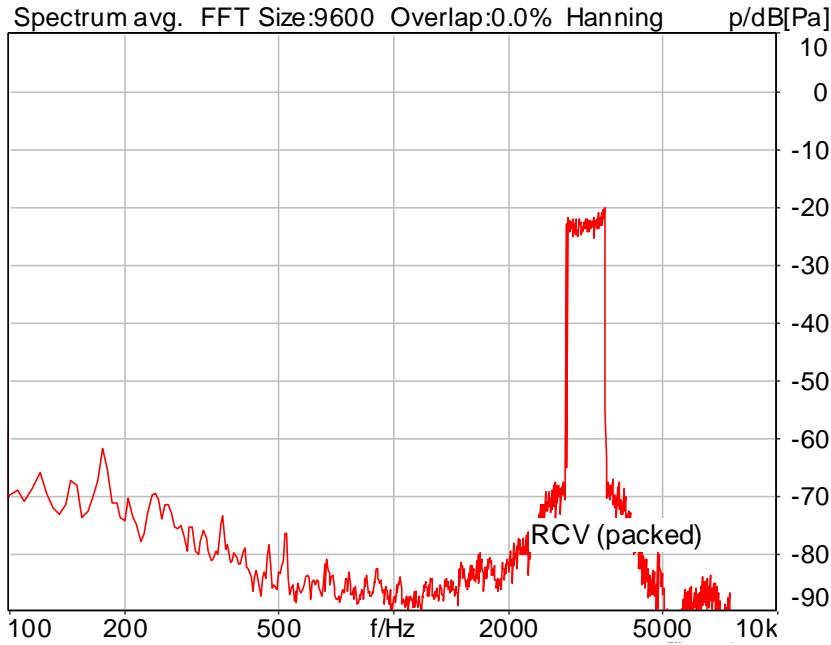
Limits

	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



Distortion (Noise) RCV (packed): 44.43 dB (0.60%) Ok

Ok

2023/10/19 下午 04:43 ACQUA 5.1.200

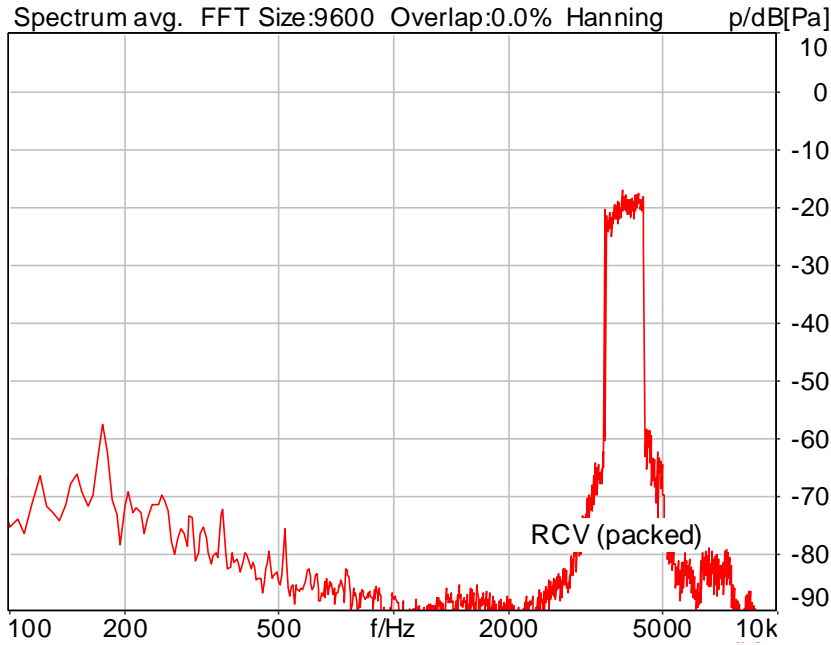
Limits

	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): 43.72 dB (0.65%) Ok

Ok

2023/10/19 下午 04:44 ACQUA 5.1.200

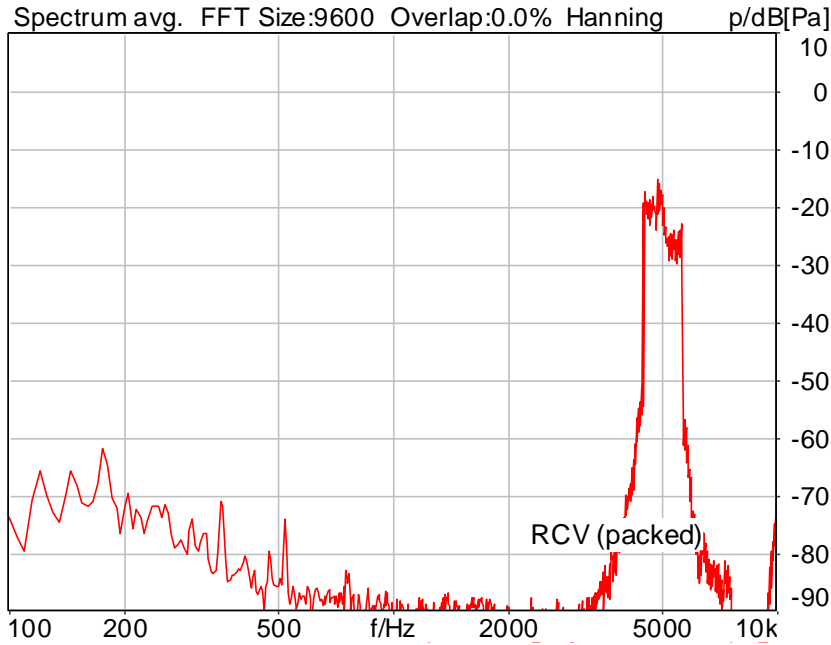
Limits

	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



Distortion (Noise) RCV (packed): 40.04 dB (0.99%) Ok

Ok

2023/10/19 下午 04:44 ACQUA 5.1.200

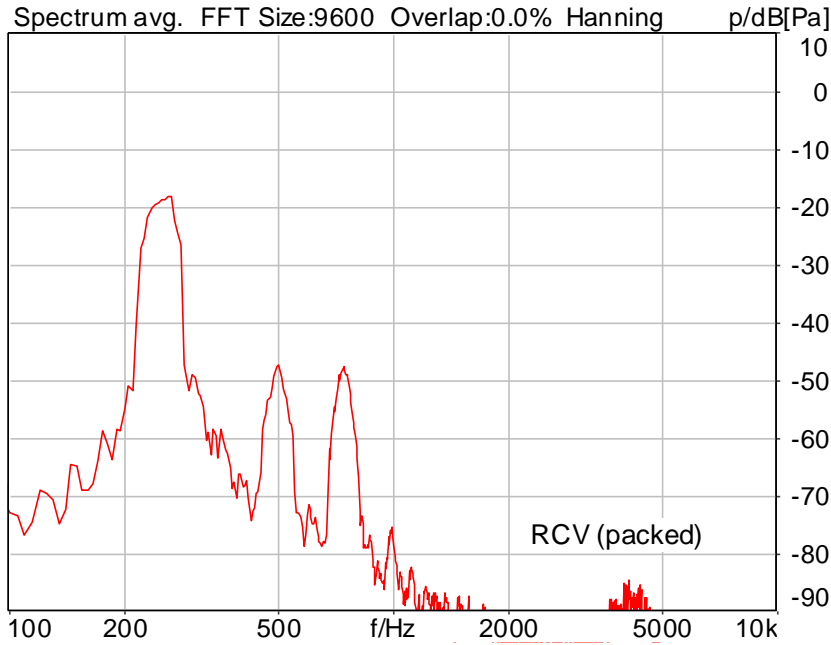
Limits

	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



Distortion (Noise) RCV (packed): 27.50 dB (4.22%) Ok

Ok

2023/10/19 下午 04:45 ACQUA 5.1.200

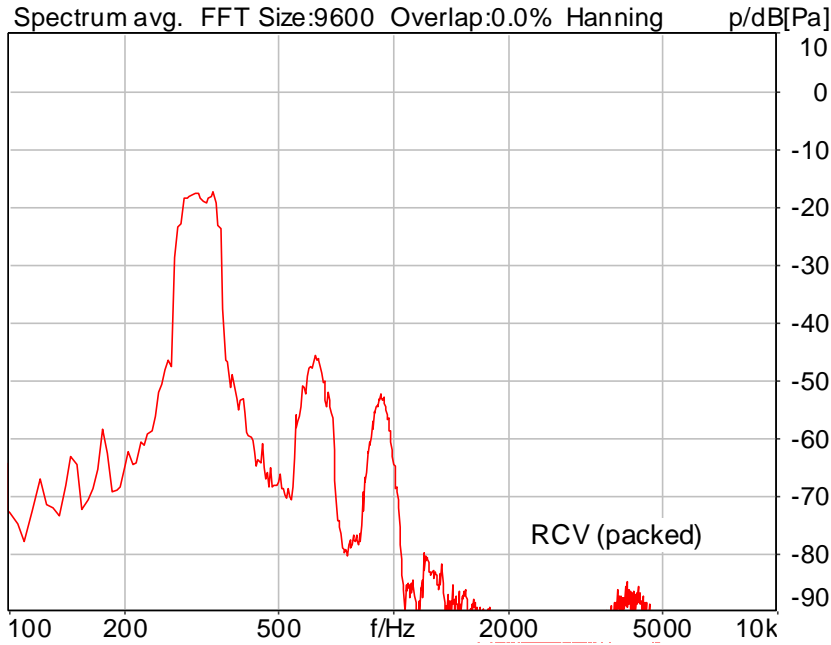
Limits

	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



Distortion (Noise) RCV (packed): 28.75 dB (3.65%) Ok

Ok

2023/10/19 下午 04:46 ACQUA 5.1.200

Limits

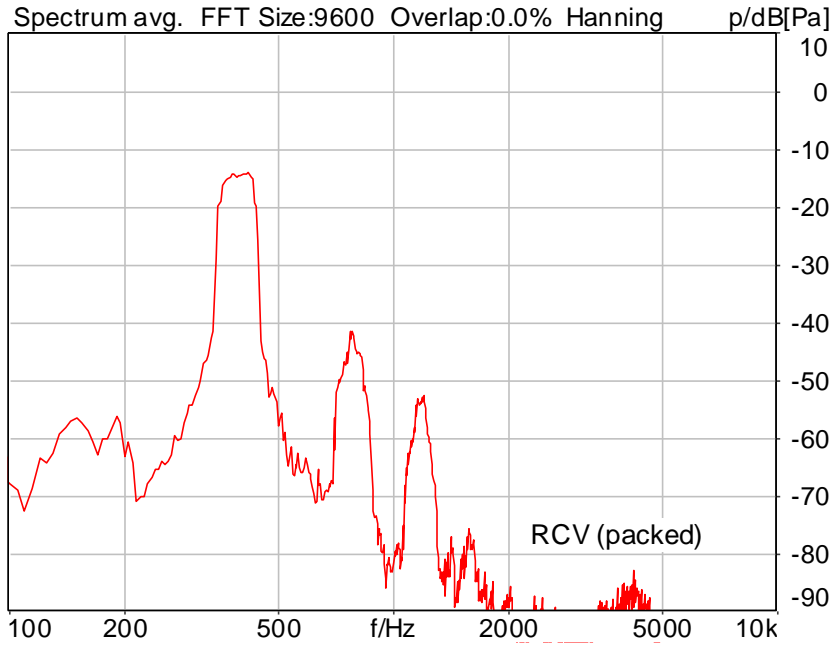
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 28.70 dB (3.67%) Ok

Ok

2023/10/19 下午 04:46 ACQUA 5.1.200

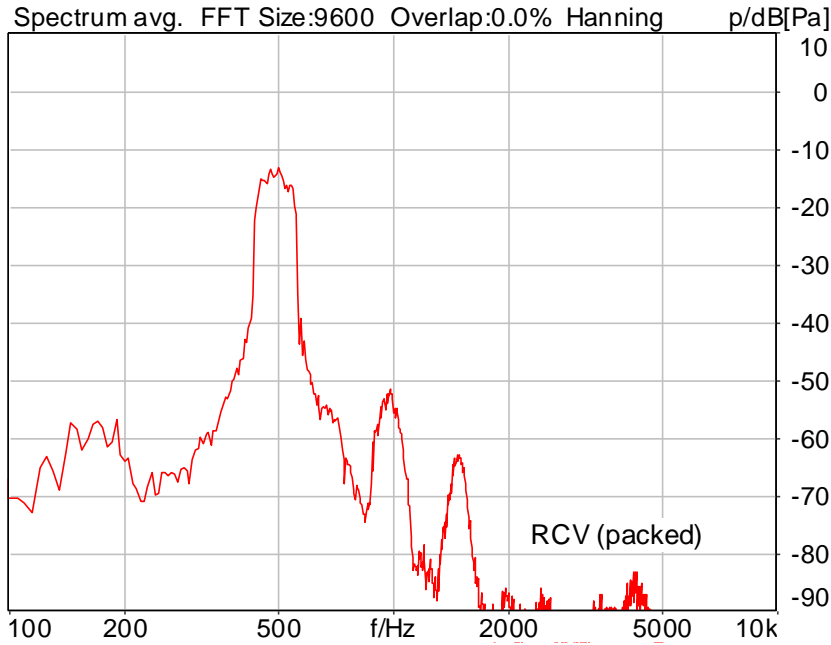
Limits

	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



Distortion (Noise) RCV (packed): 34.53 dB (1.88%) Ok

Ok

2023/10/19 下午 04:47 ACQUA 5.1.200

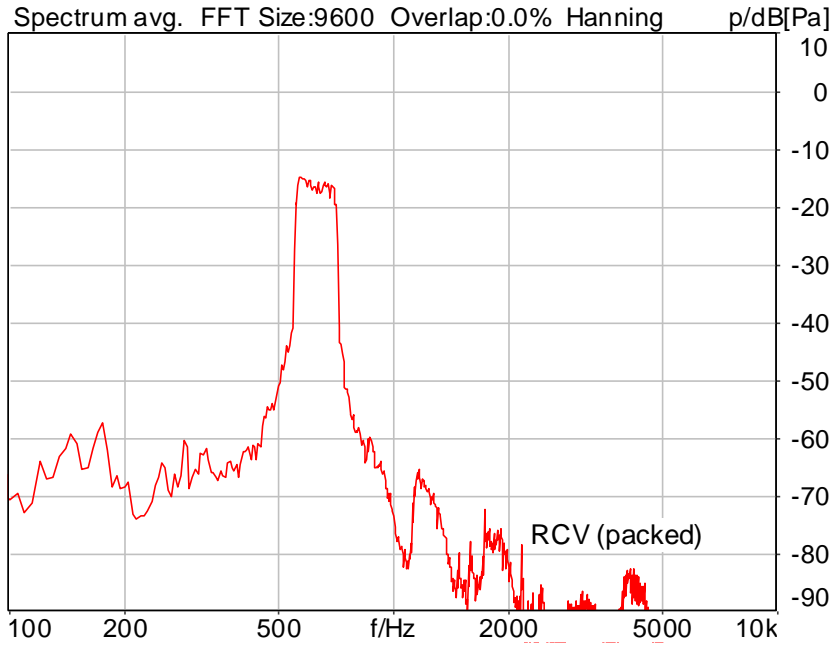
Limits

	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



Distortion (Noise) RCV (packed): 38.44 dB (1.20%) Ok

Ok

2023/10/19 下午 04:47 ACQUA 5.1.200

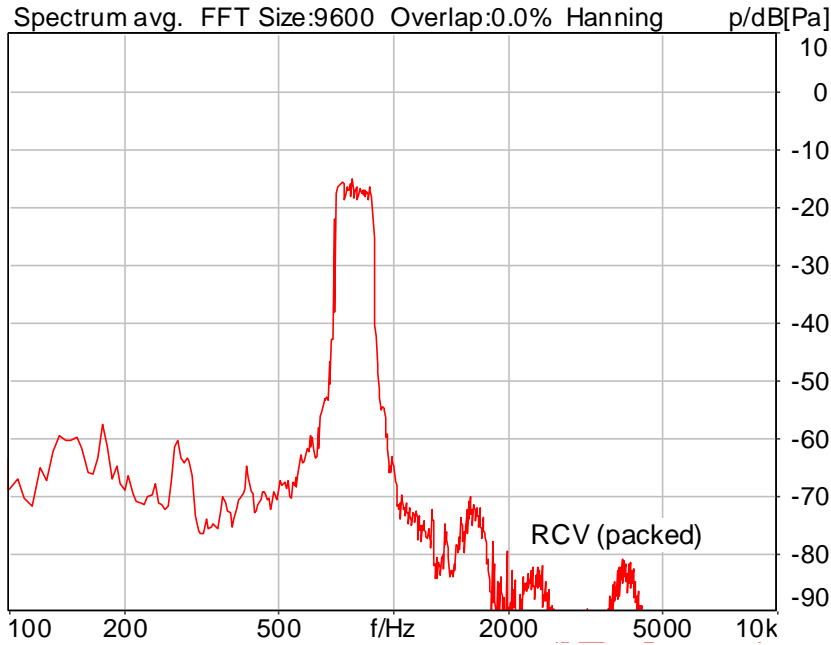
Limits

	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): 41.41 dB (0.85%) Ok

Ok

2023/10/19 下午 04:48 ACQUA 5.1.200

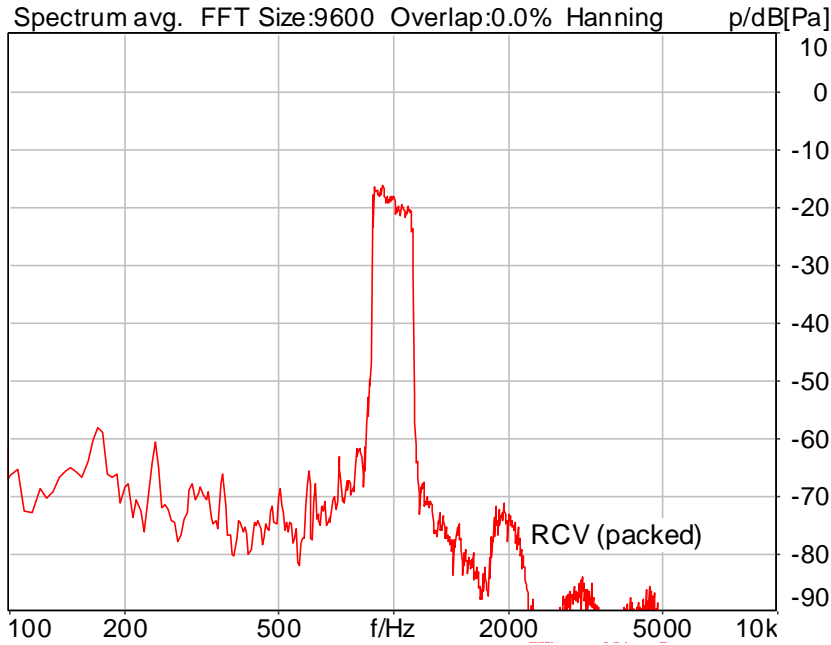
Limits

	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



Distortion (Noise) RCV (packed): 45.38 dB (0.54%) Ok

Ok

2023/10/19 下午 04:48 ACQUA 5.1.200

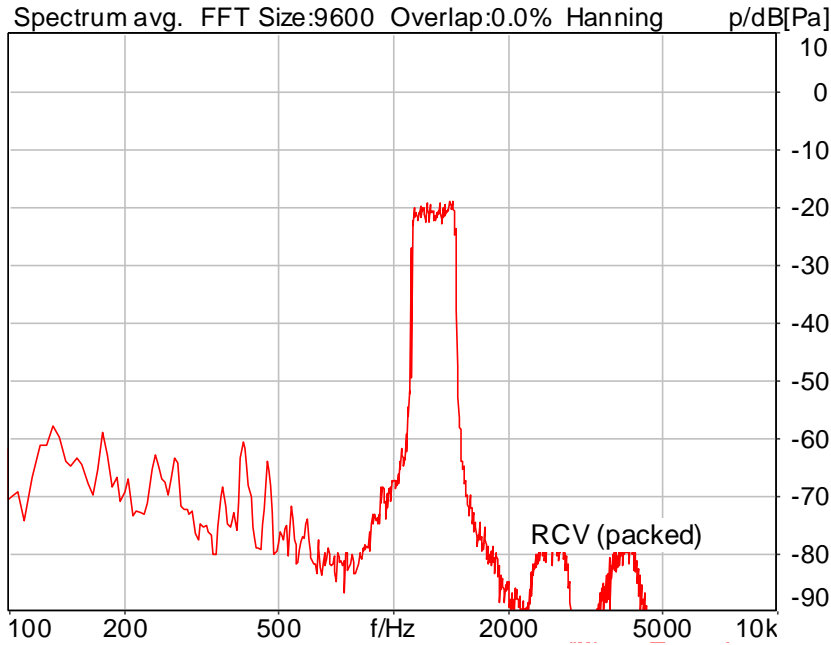
Limits

	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



Distortion (Noise) RCV (packed): 33.04 dB (2.23%) Ok

Ok

2023/10/19 下午 04:49 ACQUA 5.1.200

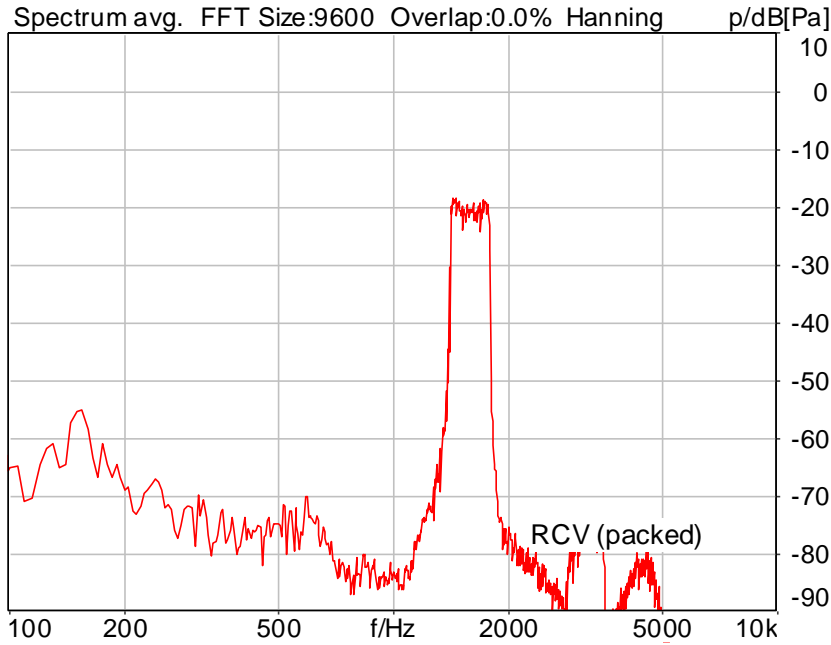
Limits

	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



Distortion (Noise) RCV (packed): 43.90 dB (0.64%) Ok

**Ok**

2023/10/19 下午 04:49 ACQUA 5.1.200

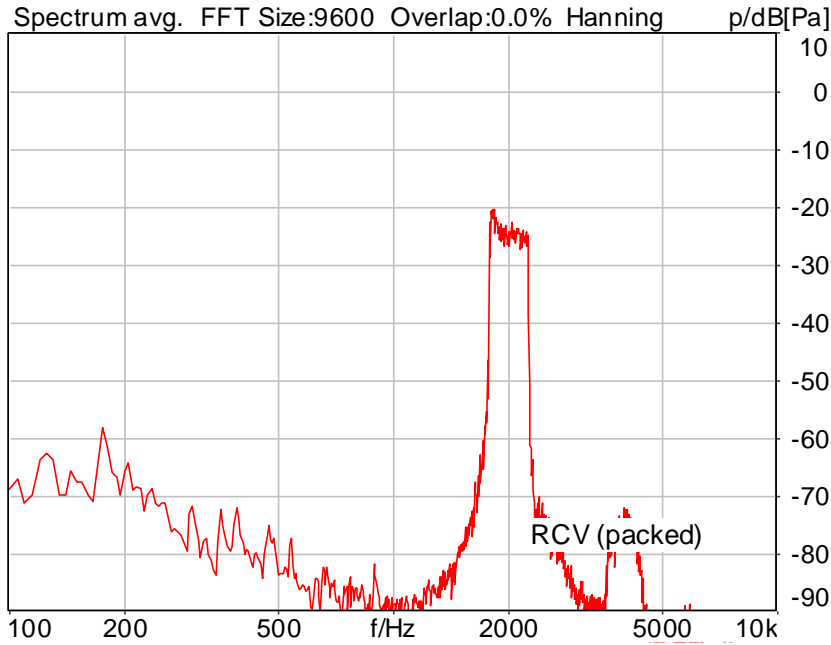
**Limits**

	<b>lower</b>
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



Distortion (Noise) RCV (packed): 41.15 dB (0.88%) Ok

Ok

2023/10/19 下午 04:50 ACQUA 5.1.200

Limits

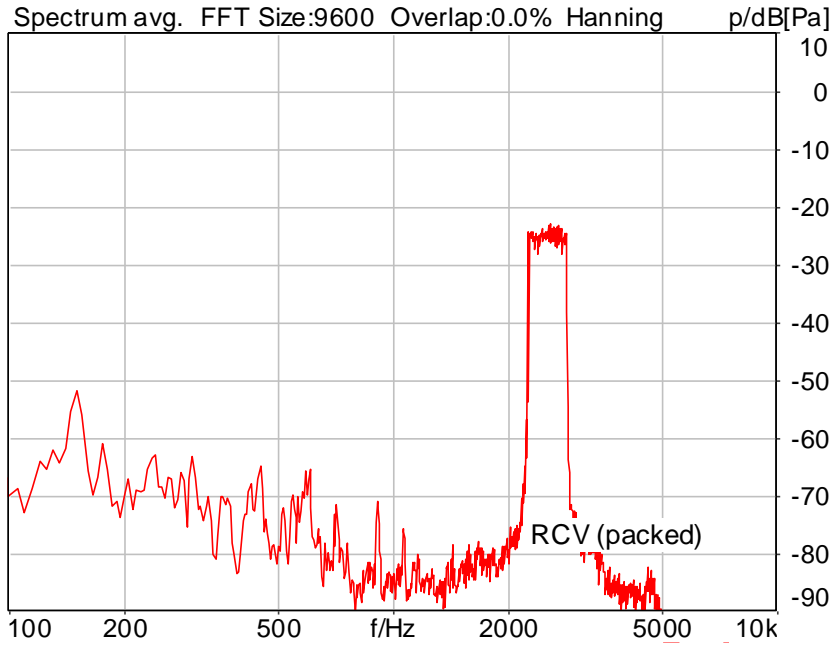
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.45 dB (0.60%) Ok

Ok

2023/10/19 下午 04:50 ACQUA 5.1.200

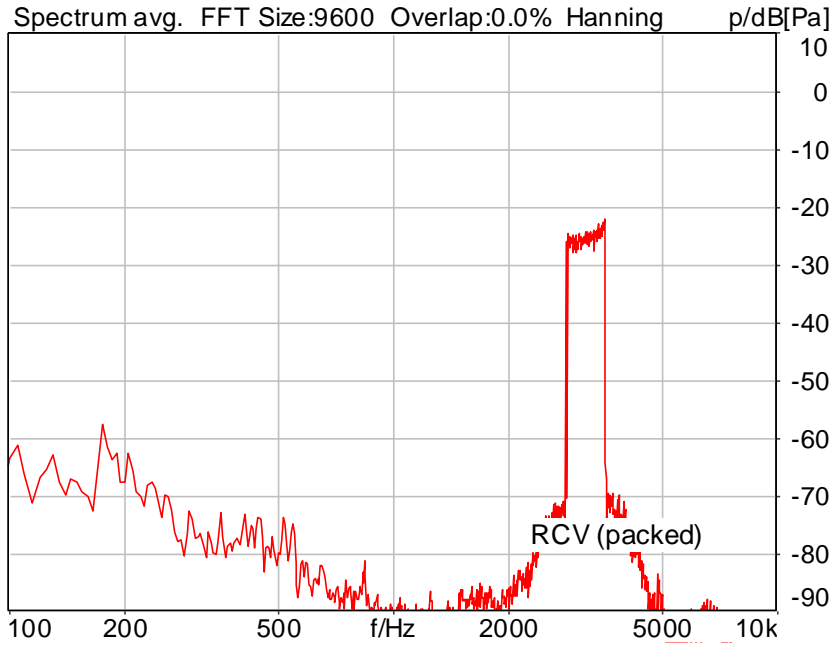
Limits

	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



Distortion (Noise) RCV (packed): 44.84 dB (0.57%) Ok

Ok

2023/10/19 下午 04:51 ACQUA 5.1.200

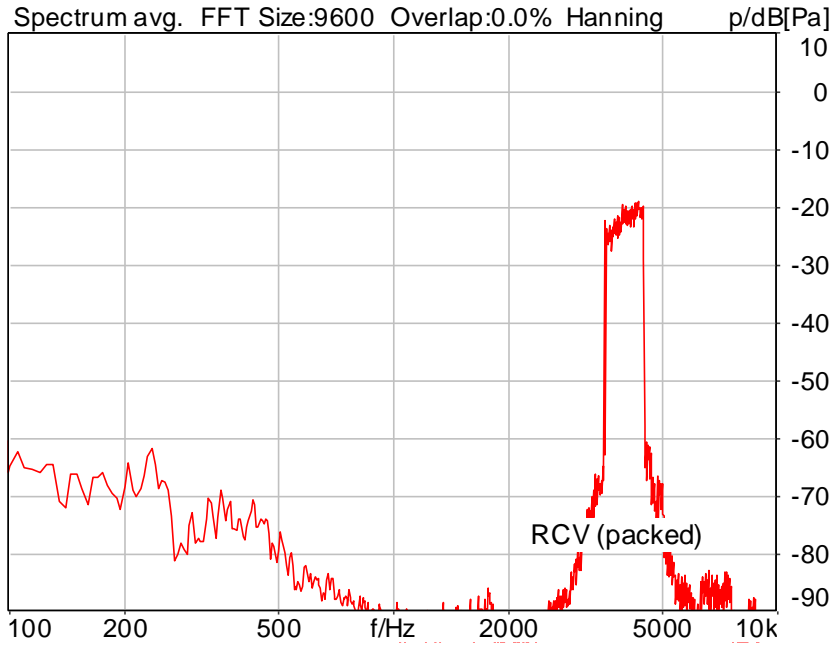
Limits

	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



Distortion (Noise) RCV (packed): 44.53 dB (0.59%) Ok

Ok

2023/10/19 下午 04:51 ACQUA 5.1.200

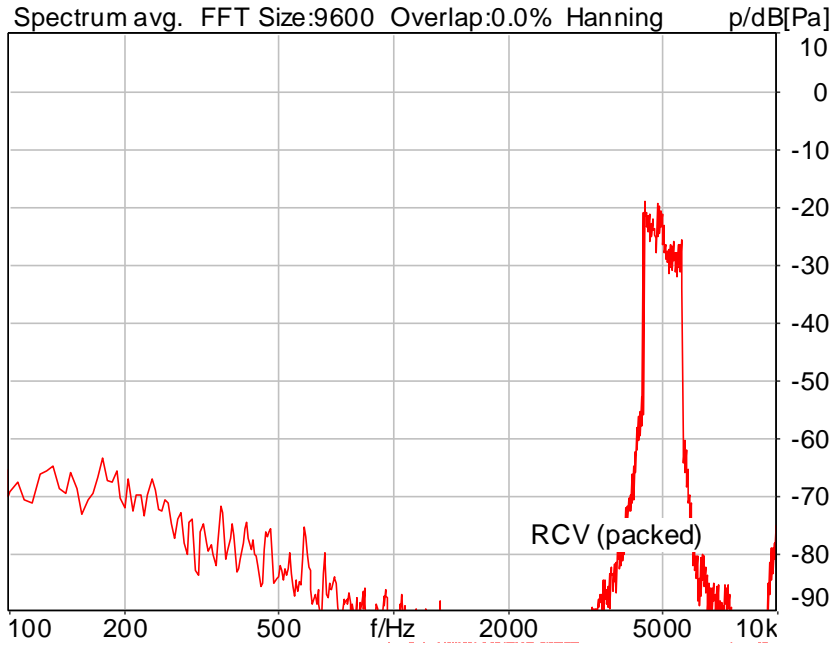
Limits

	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



Distortion (Noise) RCV (packed): 38.96 dB (1.13%) Ok

Ok

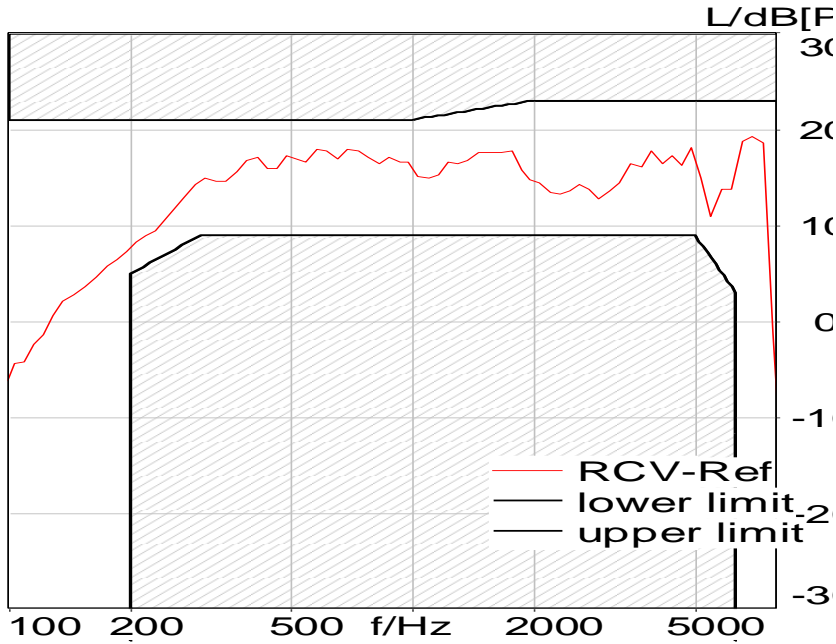
2023/10/19 下午 04:52 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.97 dB at 576.7 Hz Ok

Ok

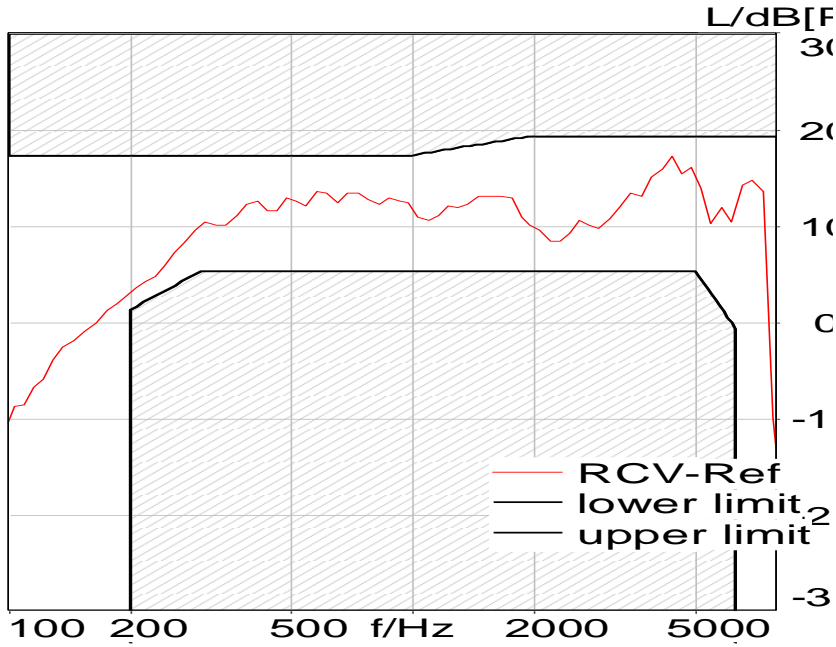
2023/10/19 下午 04:52 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.08 dB at 4369.4 Hz Ok

Ok

2023/10/19 下午 04:53 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



**#20 FR1 n70 EVS WB 24.4kbps**

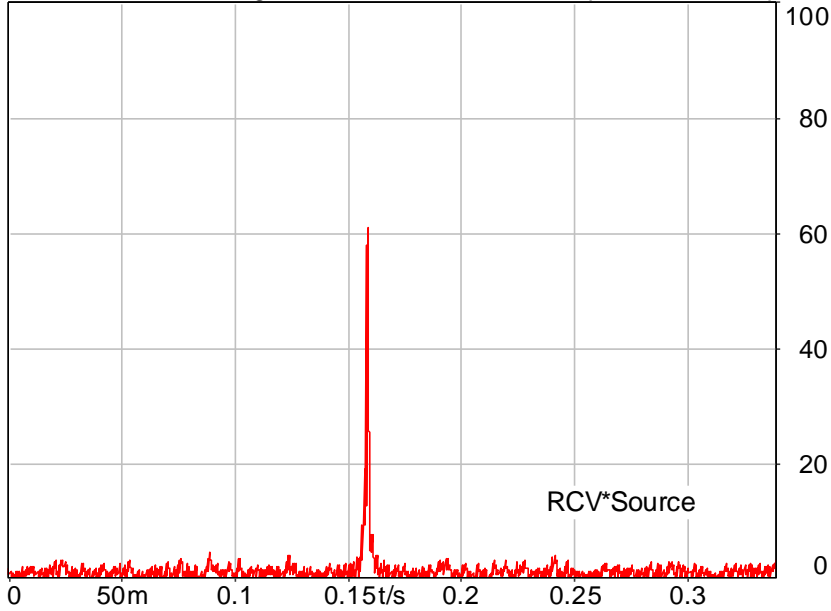
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	158.5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.90
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	87.78
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.32
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.45
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.23
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.25
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.92
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.97
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.38
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.98
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.77
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.92
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.15
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.38
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.76
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.87
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.33
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.53
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.47
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.36
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.85
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.88
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.37
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.06
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.24
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.12
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.89
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.27
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.67
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.75
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	2.85
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 205.7 Hz	2.49



### 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): 158.5 ms

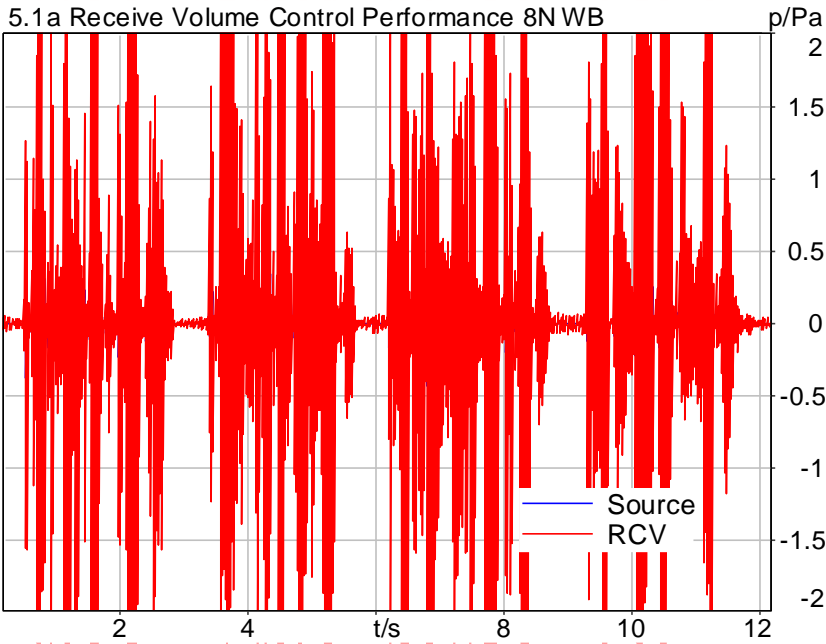
2023/10/19 下午 05:40 ACQUA 5.1.200





### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.90 dB[SPL], Act.: 58.89% Ok

Ok

2023/10/19 下午 05:40 ACQUA 5.1.200

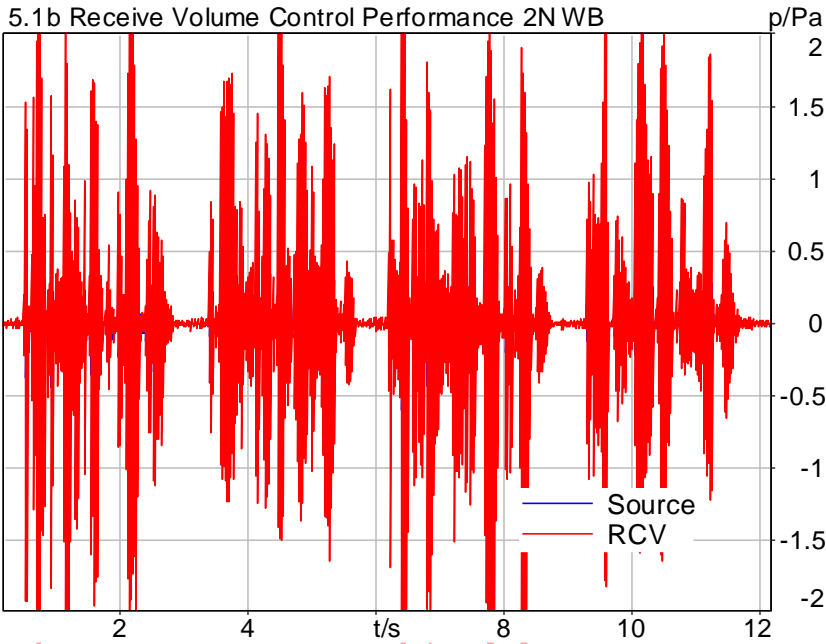
Limits

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 87.78 dB[SPL], Act.: 33.32% Ok

Ok

2023/10/19 下午 05:41 ACQUA 5.1.200

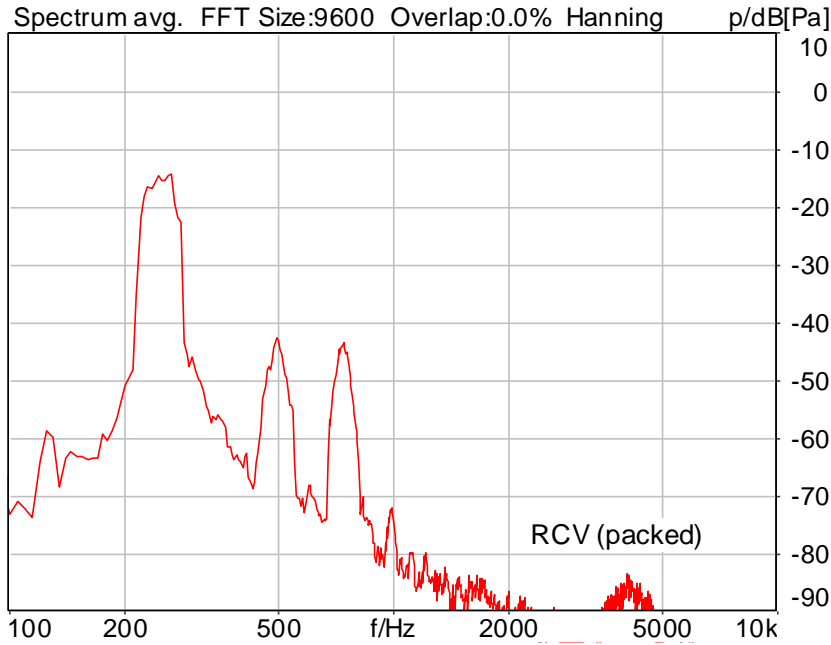
Limits

	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): 27.32 dB (4.31%) Ok

Ok

2023/10/19 下午 05:42 ACQUA 5.1.200

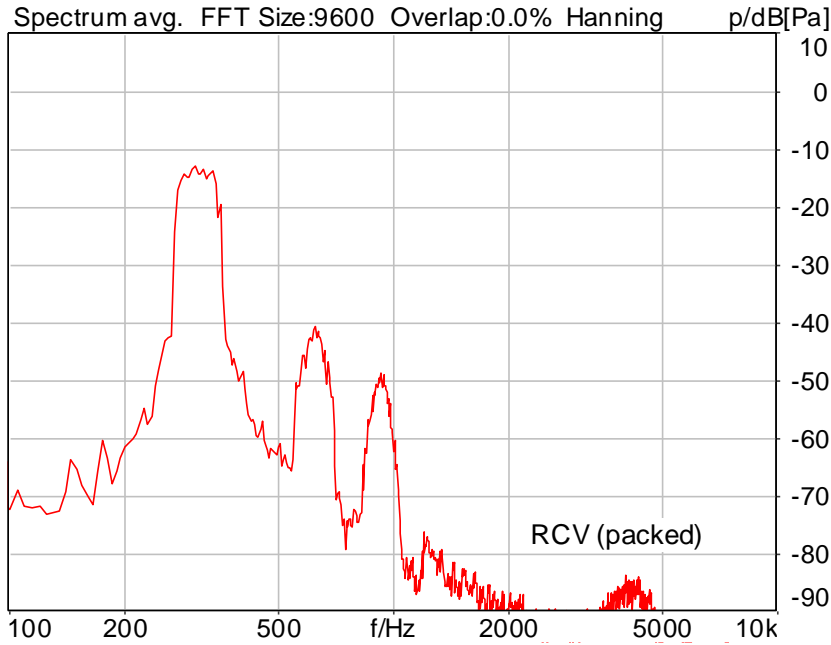
Limits

	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): 28.45 dB (3.78%) Ok

Ok

2023/10/19 下午 05:42 ACQUA 5.1.200

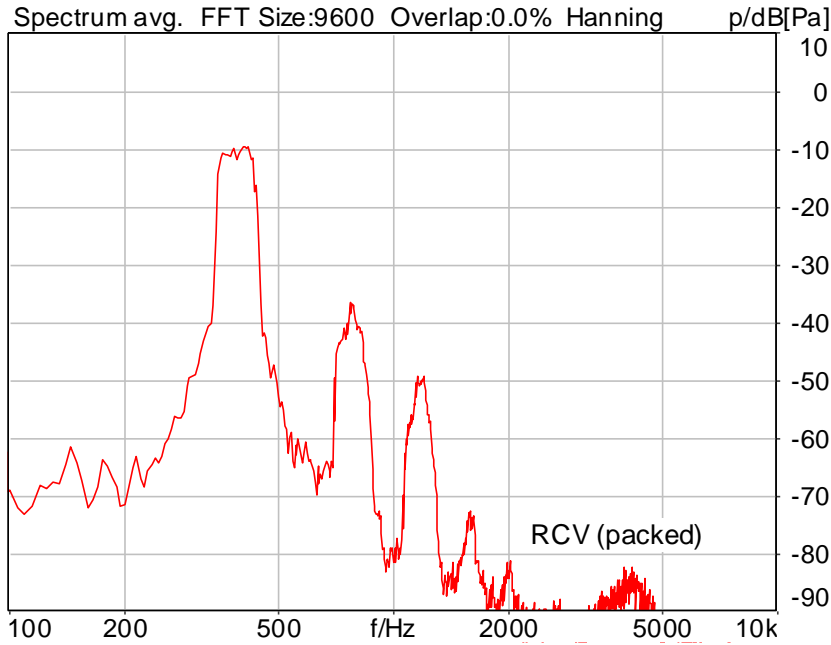
Limits

	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): 28.23 dB (3.88%) Ok

Ok

2023/10/19 下午 05:43 ACQUA 5.1.200

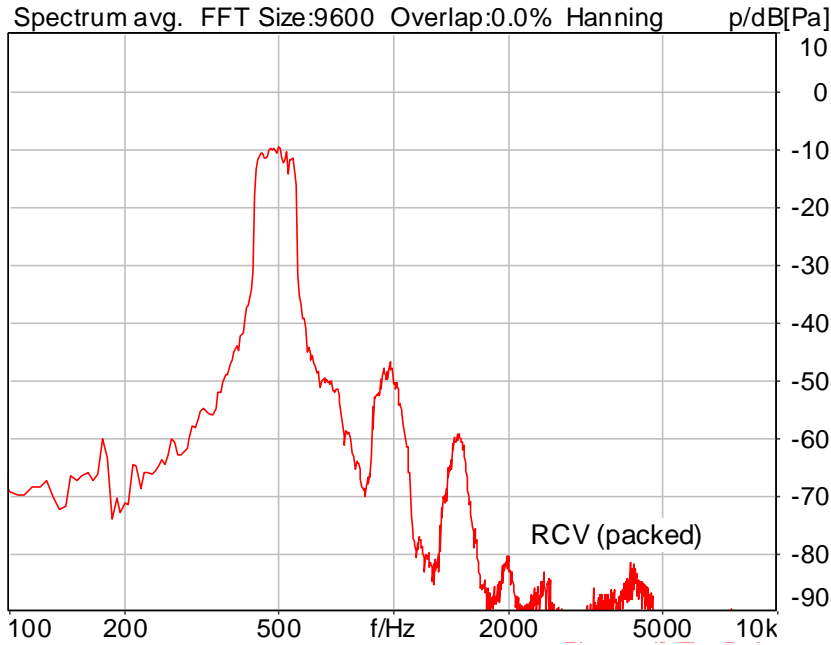
Limits

	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): 34.25 dB (1.94%) Ok

Ok

2023/10/19 下午 05:43 ACQUA 5.1.200

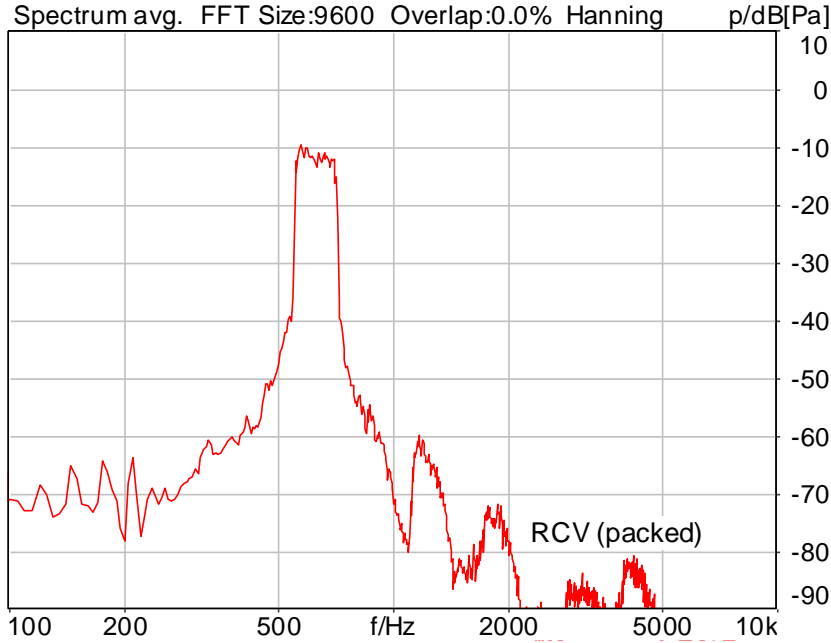
Limits

	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



Distortion (Noise) RCV (packed): 38.92 dB (1.13%) Ok

Ok

2023/10/19 下午 05:44 ACQUA 5.1.200

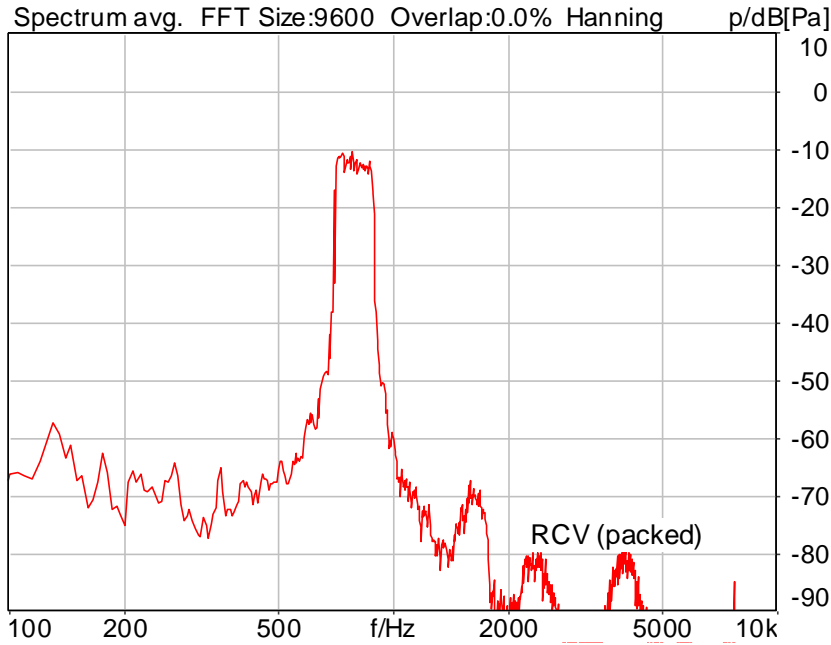
Limits

	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): 41.97 dB (0.80%) Ok

Ok

2023/10/19 下午 05:44 ACQUA 5.1.200

Limits

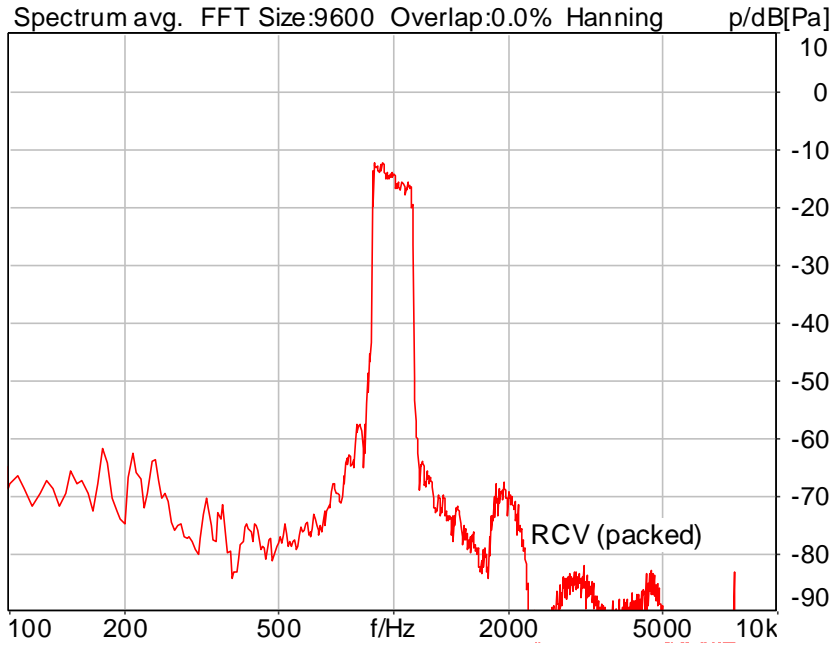
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 46.38 dB (0.48%) Ok

Ok

2023/10/19 下午 05:45 ACQUA 5.1.200

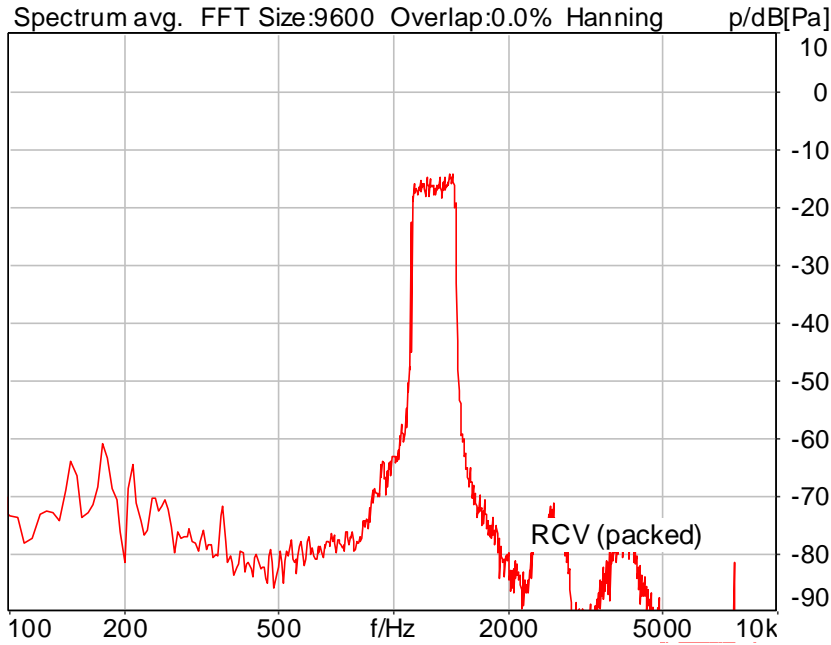
Limits

	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



Distortion (Noise) RCV (packed): 32.98 dB (2.24%) Ok

Ok

2023/10/19 下午 05:45 ACQUA 5.1.200

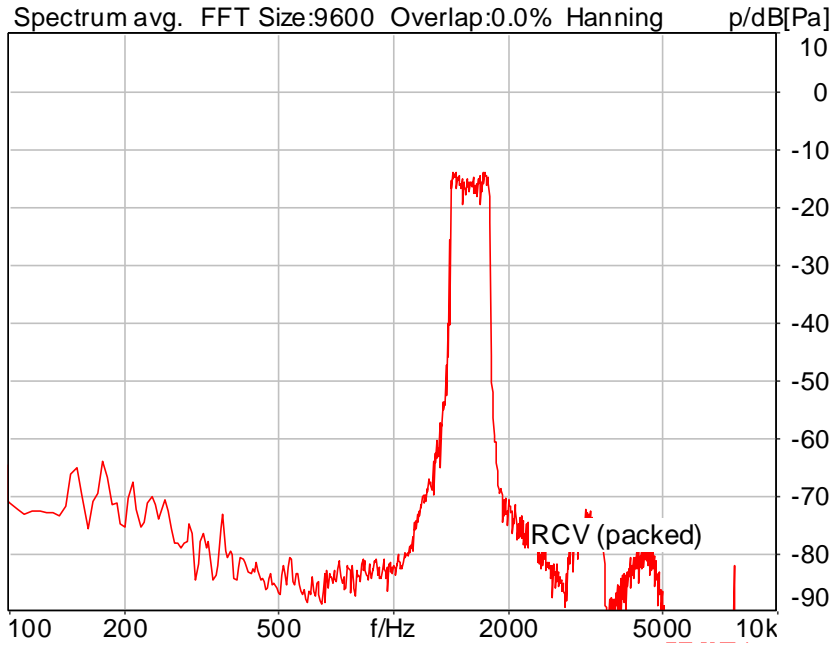
Limits

	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



Distortion (Noise) RCV (packed): 44.77 dB (0.58%) Ok

Ok

2023/10/19 下午 05:46 ACQUA 5.1.200

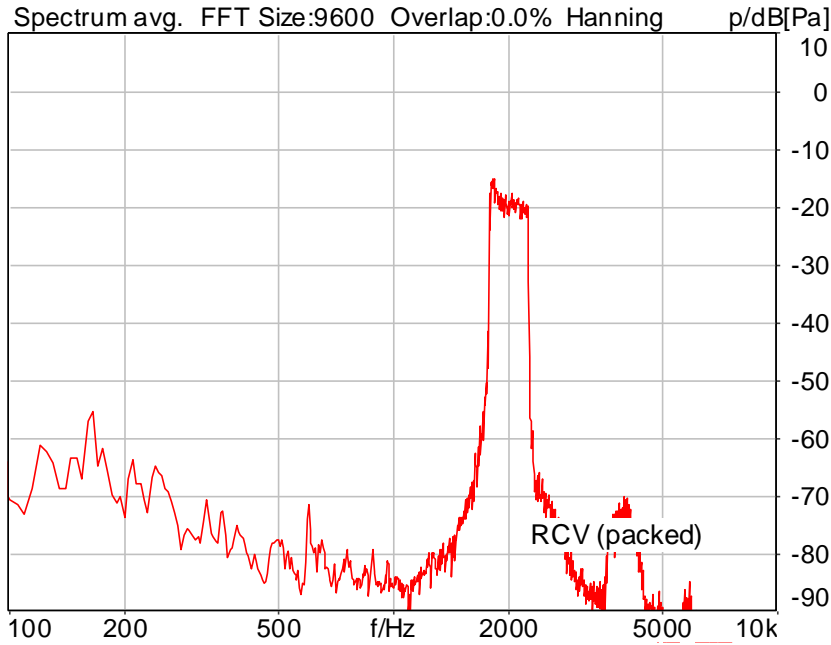
Limits

	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): 41.92 dB (0.80%) Ok

Ok

2023/10/19 下午 05:46 ACQUA 5.1.200

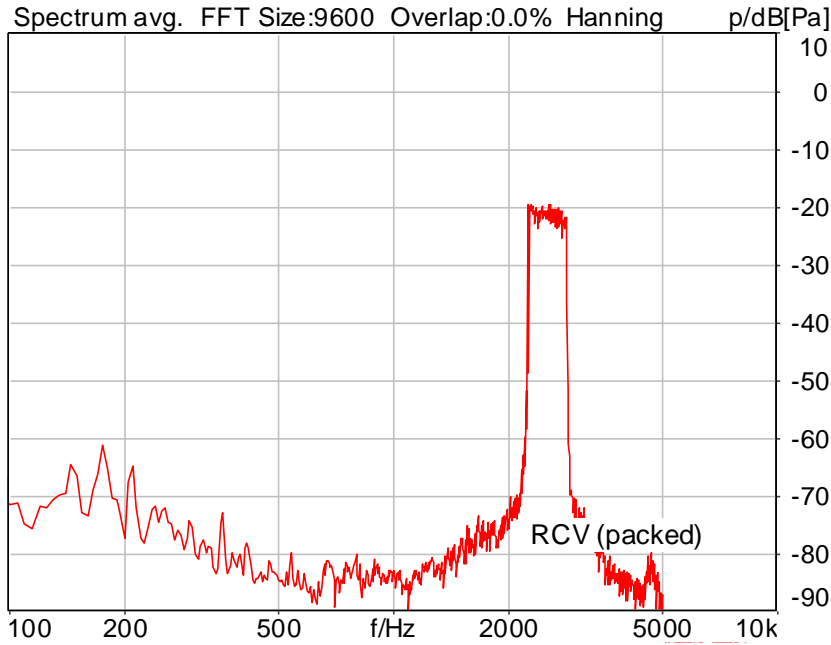
Limits

	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



Distortion (Noise) RCV (packed): 46.15 dB (0.49%) Ok

**Ok**

2023/10/19 下午 05:47 ACQUA 5.1.200

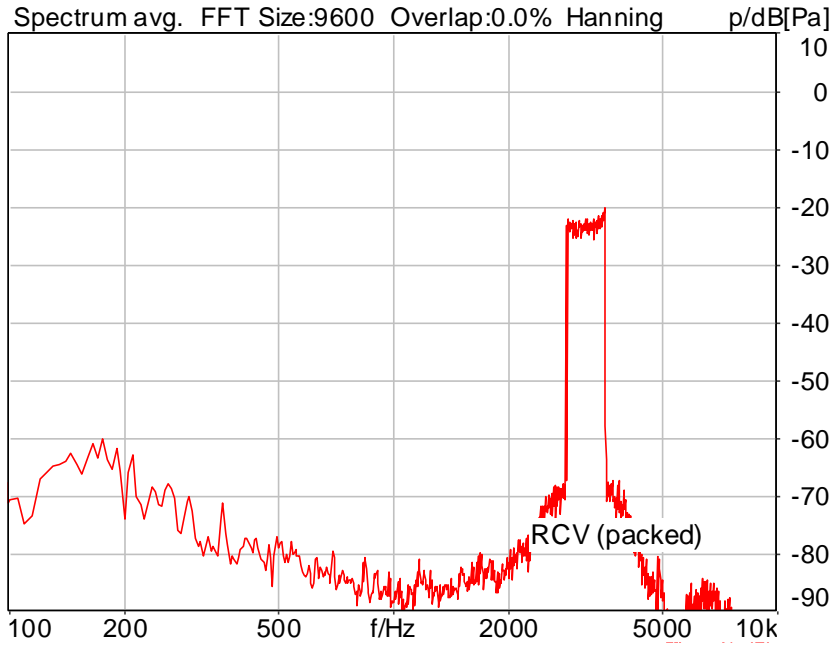
**Limits**

	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



Distortion (Noise) RCV (packed): 44.38 dB (0.60%) Ok

Ok

2023/10/19 下午 05:47 ACQUA 5.1.200

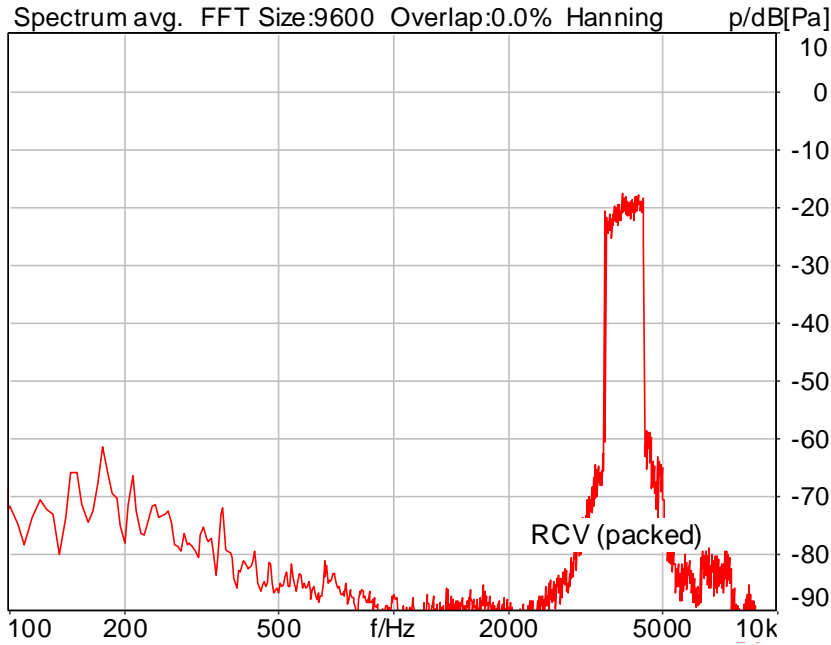
Limits

	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): 43.76 dB (0.65%) Ok

Ok

2023/10/19 下午 05:48 ACQUA 5.1.200

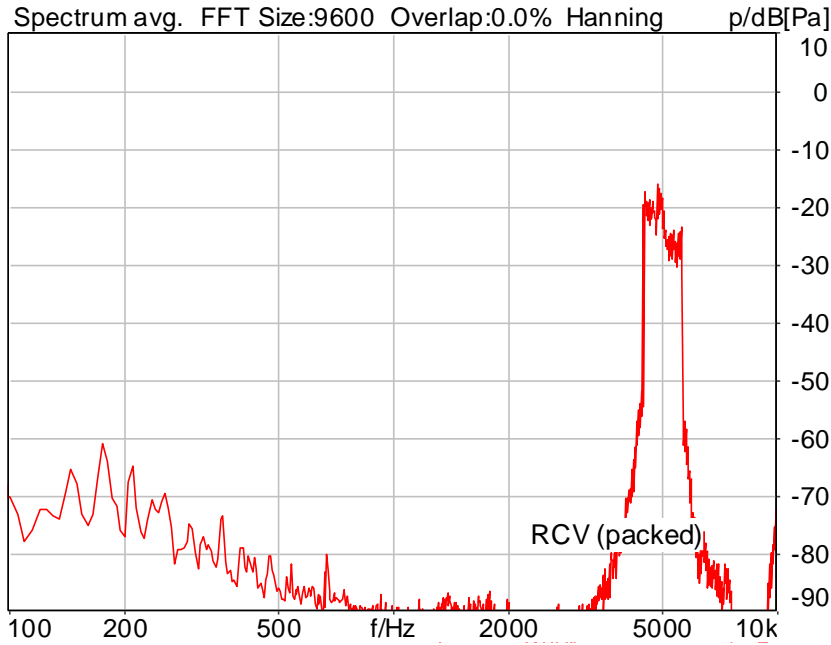
Limits

	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



Distortion (Noise) RCV (packed): 39.87 dB (1.02%) Ok

Ok

2023/10/19 下午 05:48 ACQUA 5.1.200

Limits

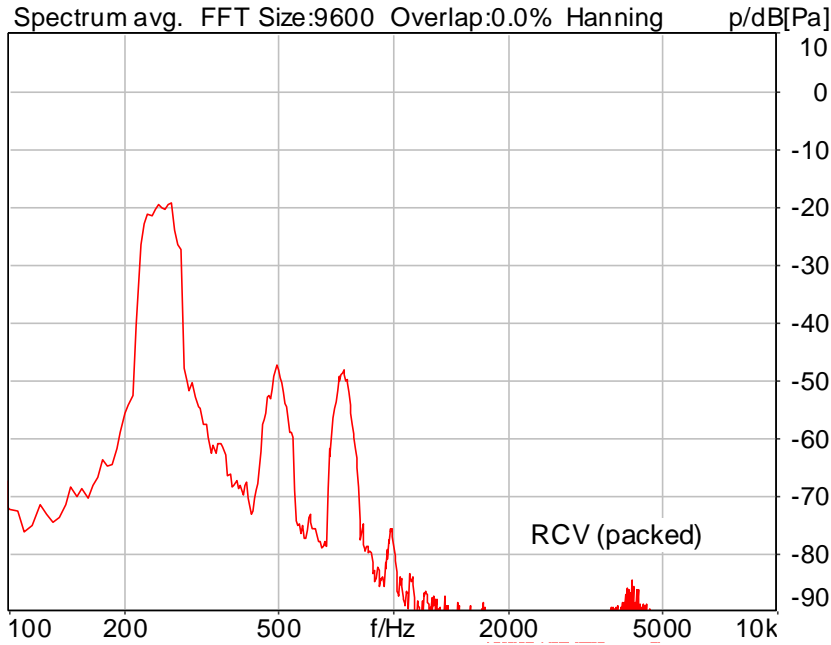
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 27.33 dB (4.30%) Ok

Ok

2023/10/19 下午 05:49 ACQUA 5.1.200

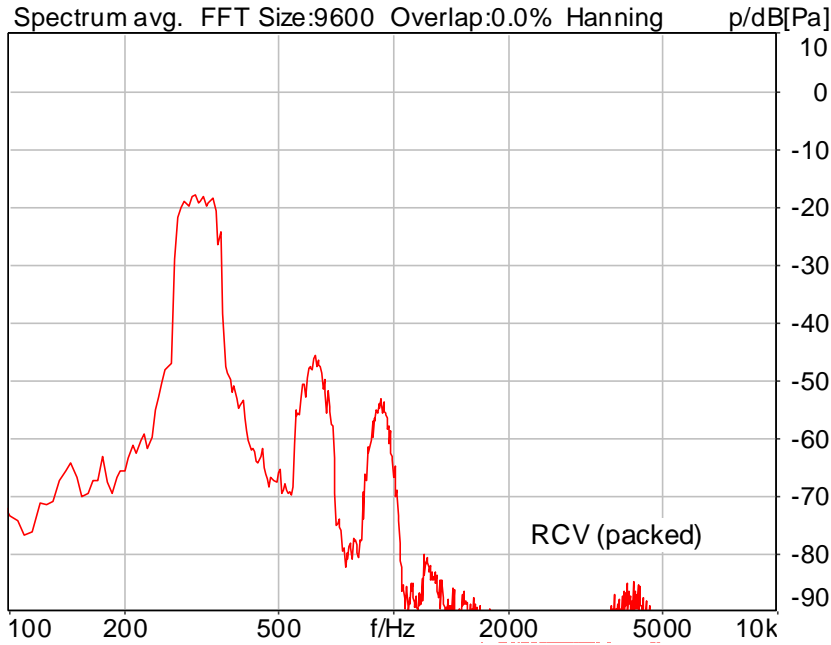
Limits

	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



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

Ok

2023/10/19 下午 05:50 ACQUA 5.1.200

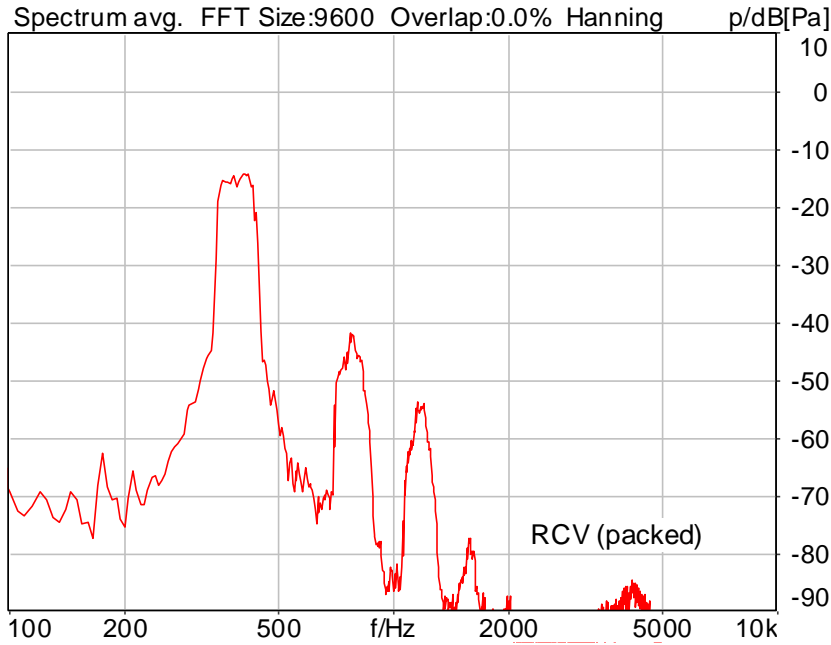
Limits

	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



Distortion (Noise) RCV (packed): 28.47 dB (3.77%) Ok

Ok

2023/10/19 下午 05:50 ACQUA 5.1.200

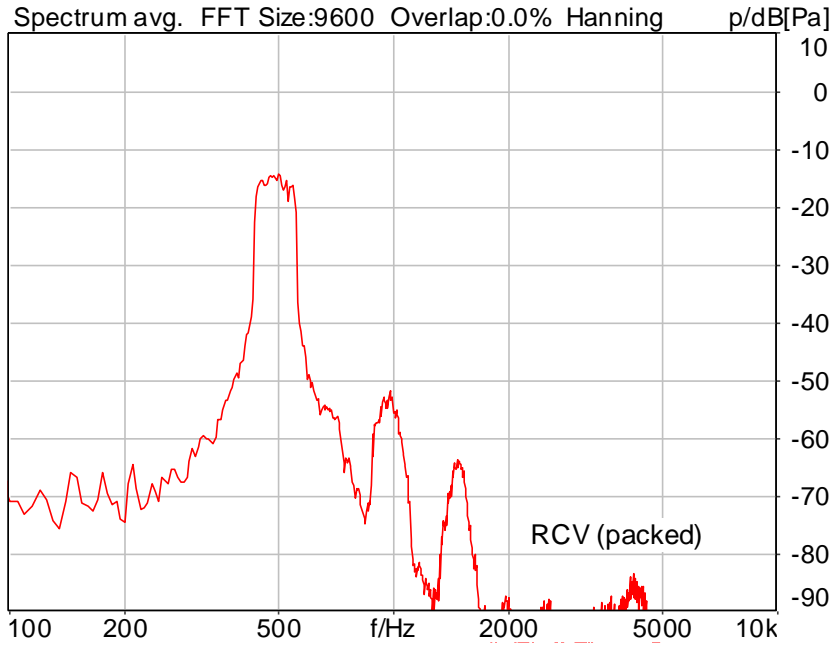
Limits

	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



Distortion (Noise) RCV (packed): 34.36 dB (1.91%) Ok

Ok

2023/10/19 下午 05:50 ACQUA 5.1.200

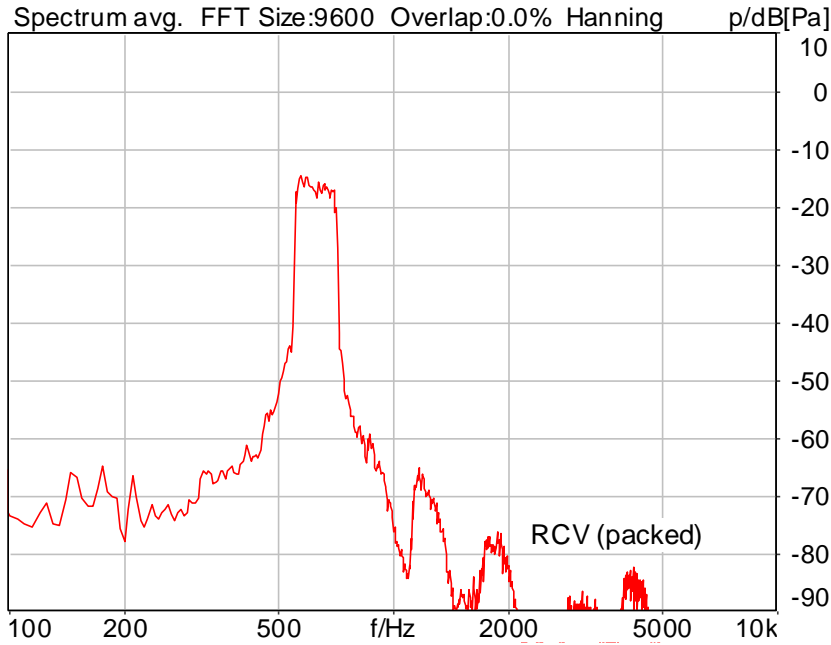
Limits

	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): 38.85 dB (1.14%) Ok

**Ok**

2023/10/19 下午 05:51 ACQUA 5.1.200

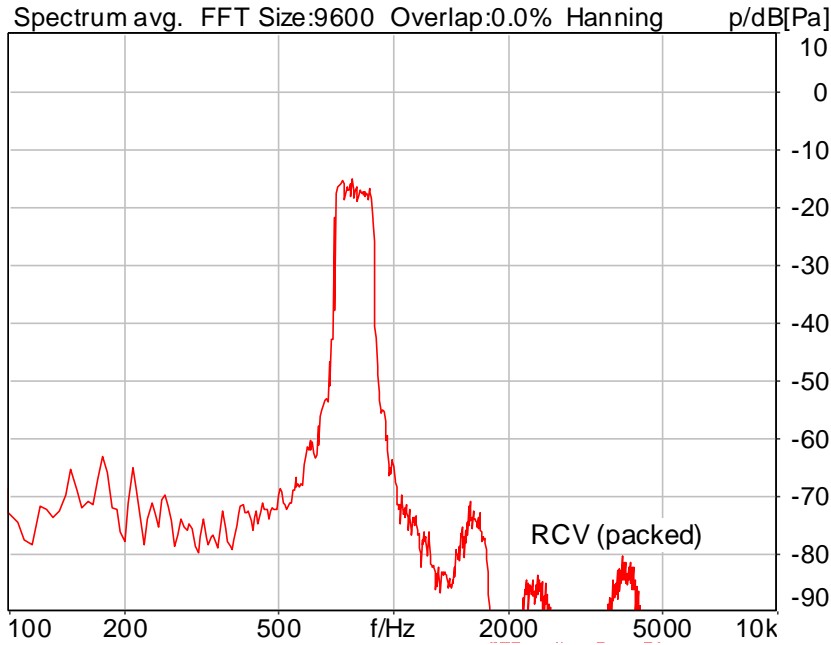
**Limits**

	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): 41.88 dB (0.80%) Ok

Ok

2023/10/19 下午 05:51 ACQUA 5.1.200

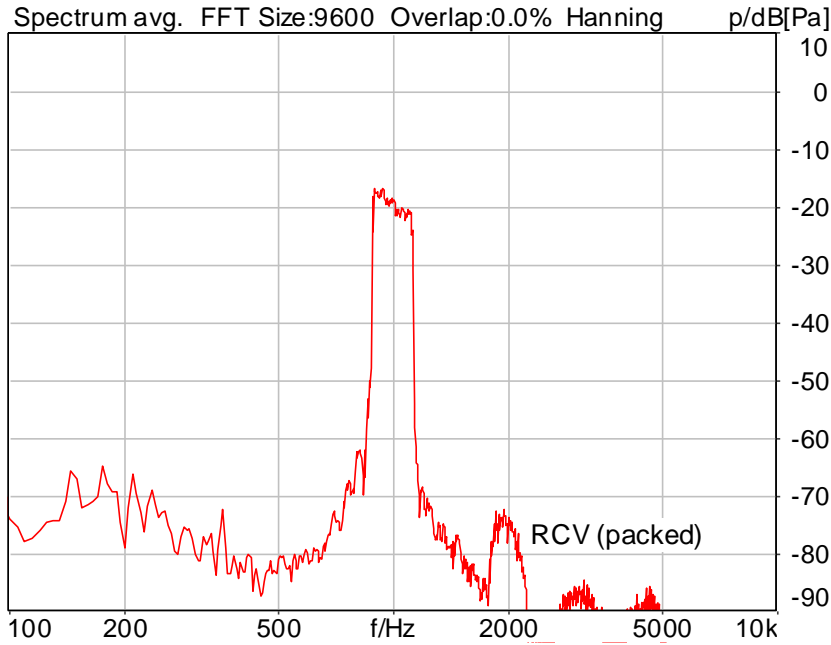
Limits

	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



Distortion (Noise) RCV (packed): 46.37 dB (0.48%) Ok

Ok

2023/10/19 下午 05:52 ACQUA 5.1.200

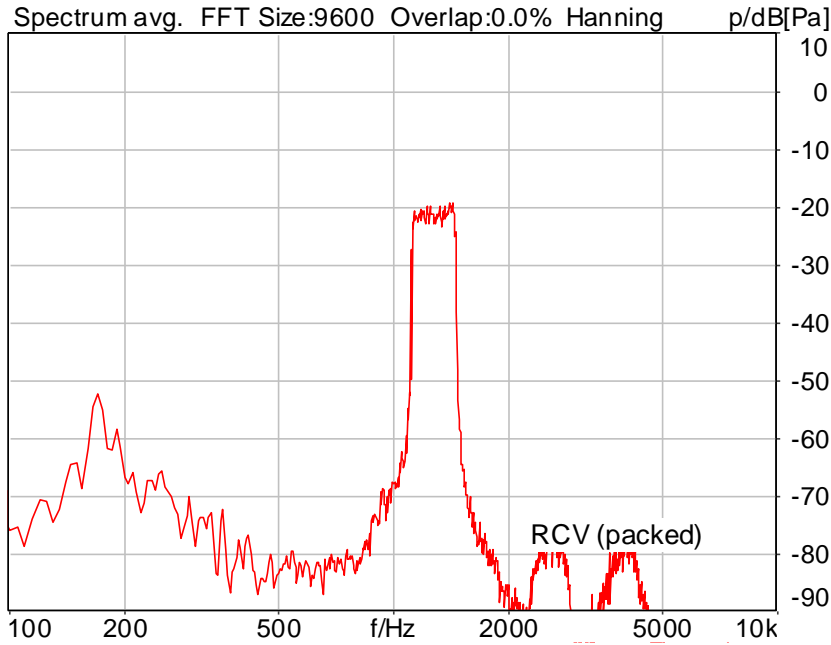
Limits

	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): 33.06 dB (2.22%) Ok

Ok

2023/10/19 下午 05:52 ACQUA 5.1.200

Limits

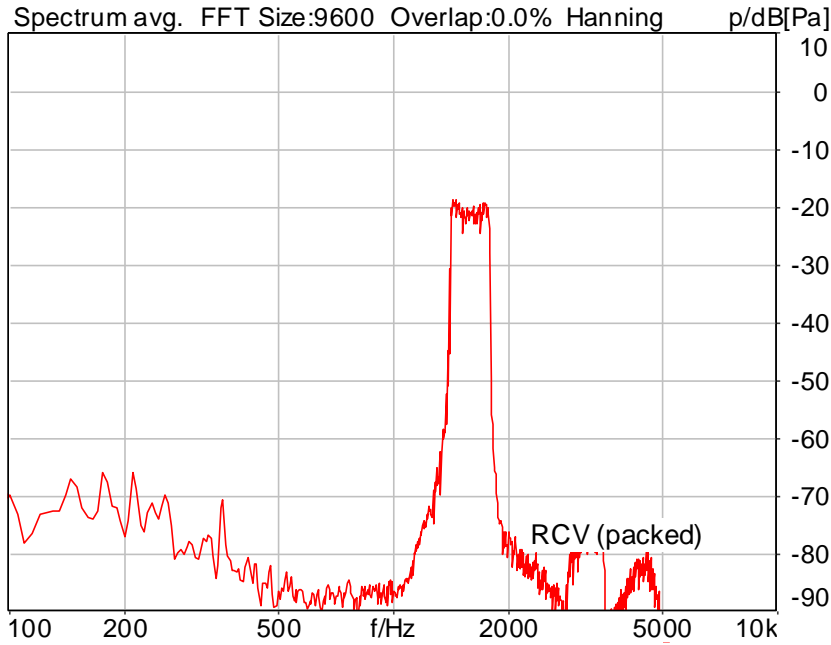
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.24 dB (0.61%) Ok

Ok

2023/10/19 下午 05:53 ACQUA 5.1.200

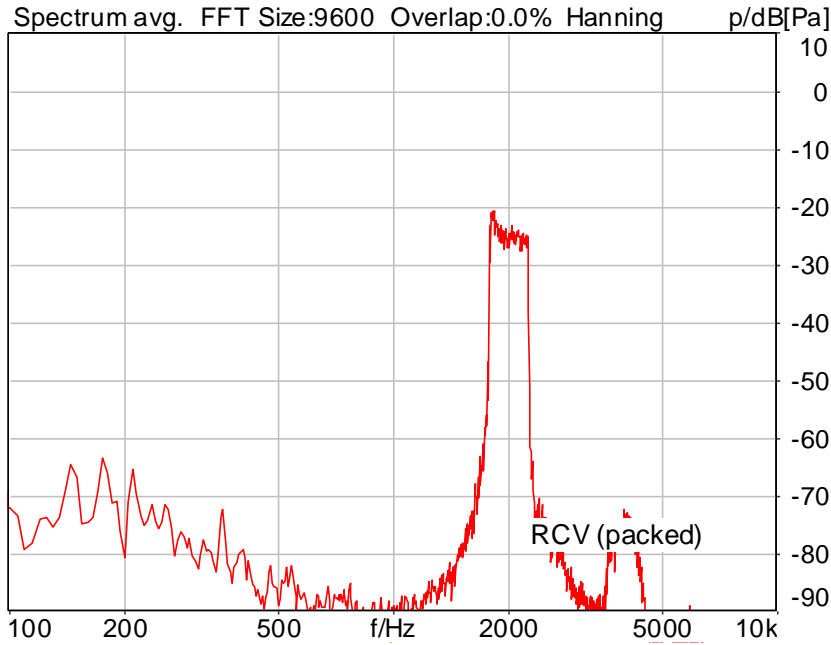
Limits

	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



Distortion (Noise) RCV (packed): 41.12 dB (0.88%) Ok

Ok

2023/10/19 下午 05:53 ACQUA 5.1.200

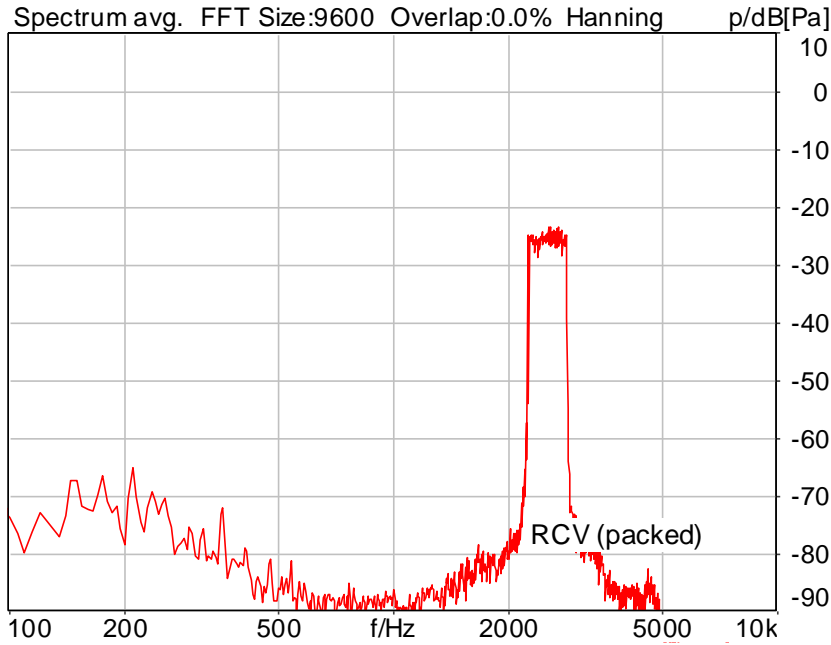
Limits

	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



Distortion (Noise) RCV (packed): 45.89 dB (0.51%) Ok

Ok

2023/10/19 下午 05:54 ACQUA 5.1.200

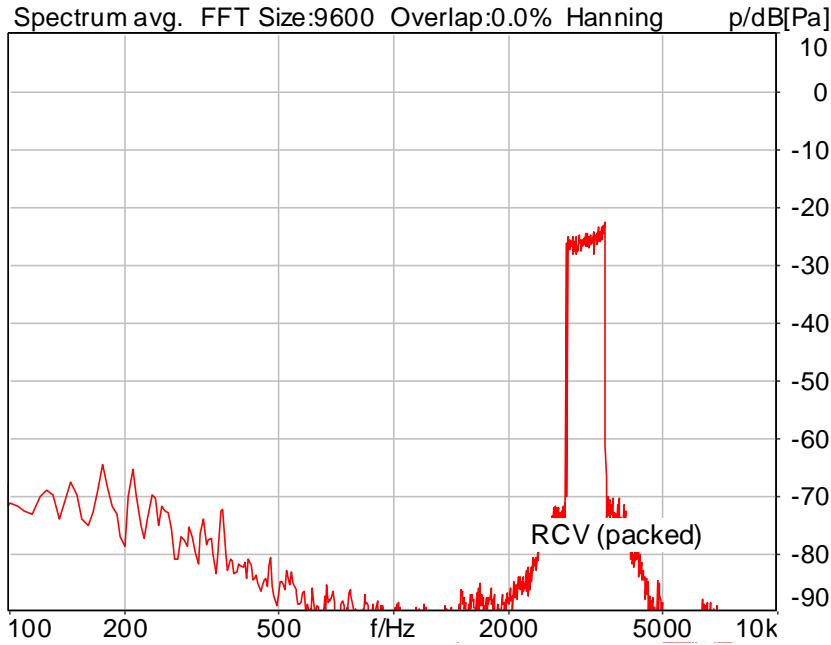
Limits

	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



Distortion (Noise) RCV (packed): 45.27 dB (0.54%) Ok

Ok

2023/10/19 下午 05:54 ACQUA 5.1.200

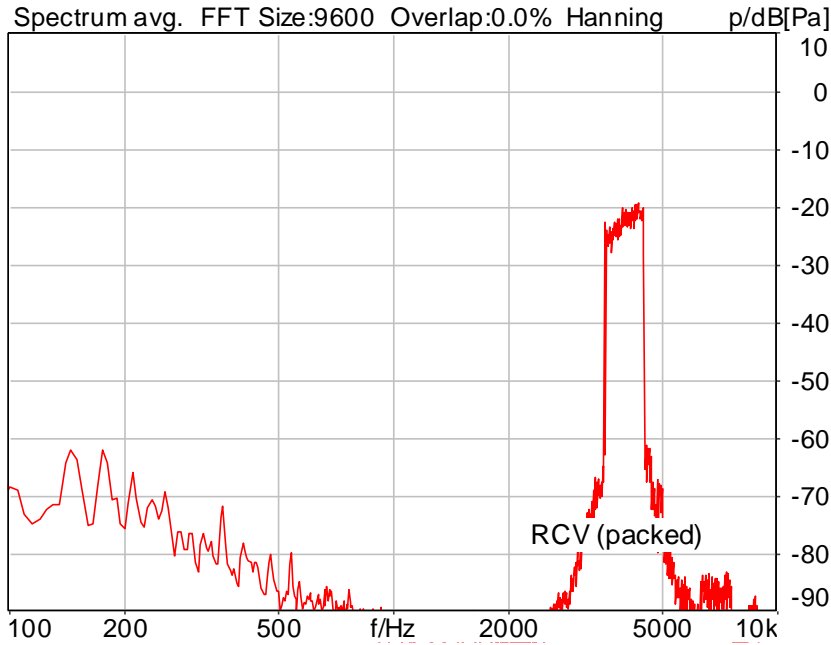
Limits

	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



Distortion (Noise) RCV (packed): 44.67 dB (0.58%) Ok

Ok

2023/10/19 下午 05:55 ACQUA 5.1.200

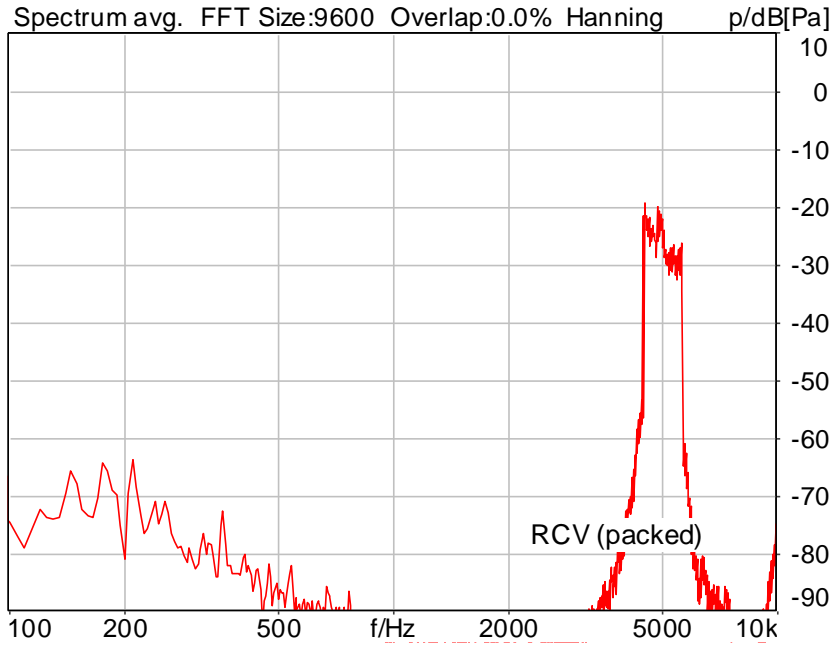
Limits

	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): 38.75 dB (1.15%) Ok

Ok

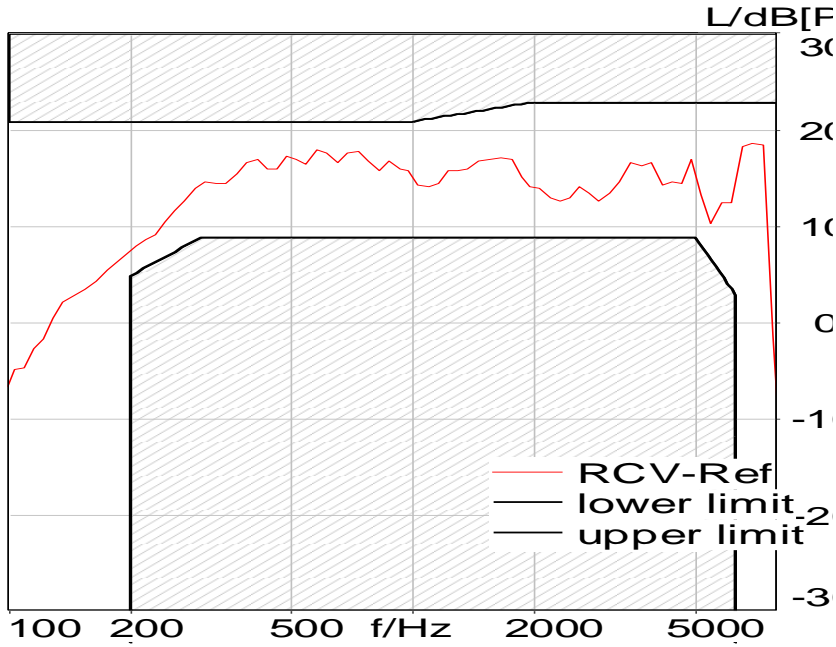
2023/10/19 下午 05:55 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.85 dB at 576.7 Hz Ok

Ok

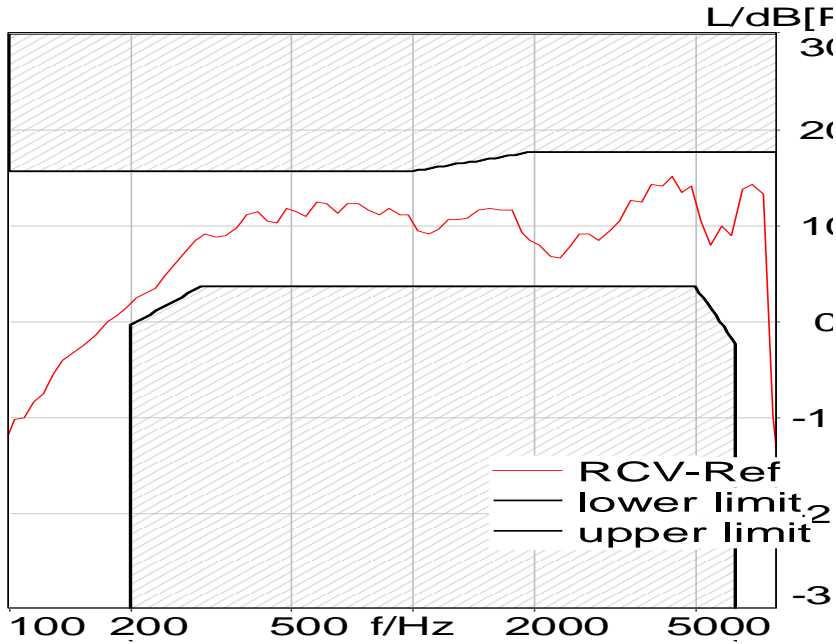
2023/10/19 下午 05:56 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.49 dB at 205.7 Hz Ok

Ok

2023/10/19 下午 05:57 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance





#21 FR1 n71 EVS WB 24.4kbps

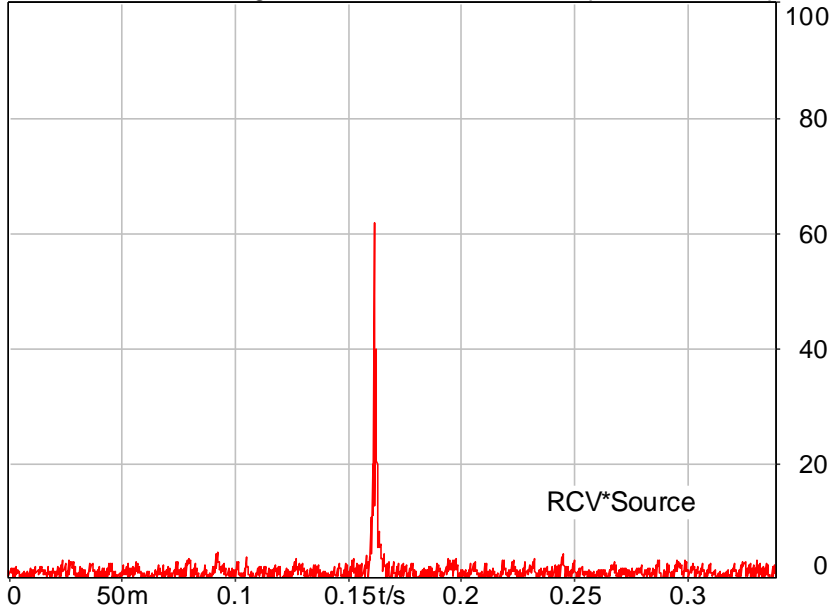
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	162.0
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.10
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	88.10
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.41
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.48
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.32
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.28
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.94
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.95
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.43
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.98
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.75
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.90
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.29
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.60
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.81
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.90
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.35
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.56
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.53
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.36
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.85
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.86
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.41
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.36
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.22
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.10
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.94
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.16
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.64
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.78
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	1.99
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 205.7 Hz	2.54



### Overall Receive Delay WB

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

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



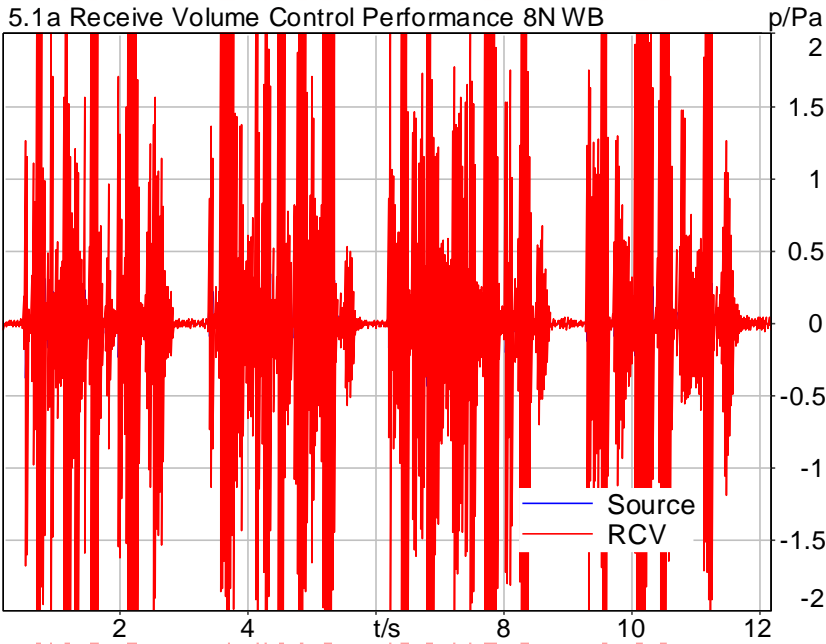
Delay (Cross): 162.0 ms

2023/10/19 下午 06:02 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 90.10 dB[SPL], Act.: 57.28% Ok

Ok

2023/10/19 下午 06:02 ACQUA 5.1.200

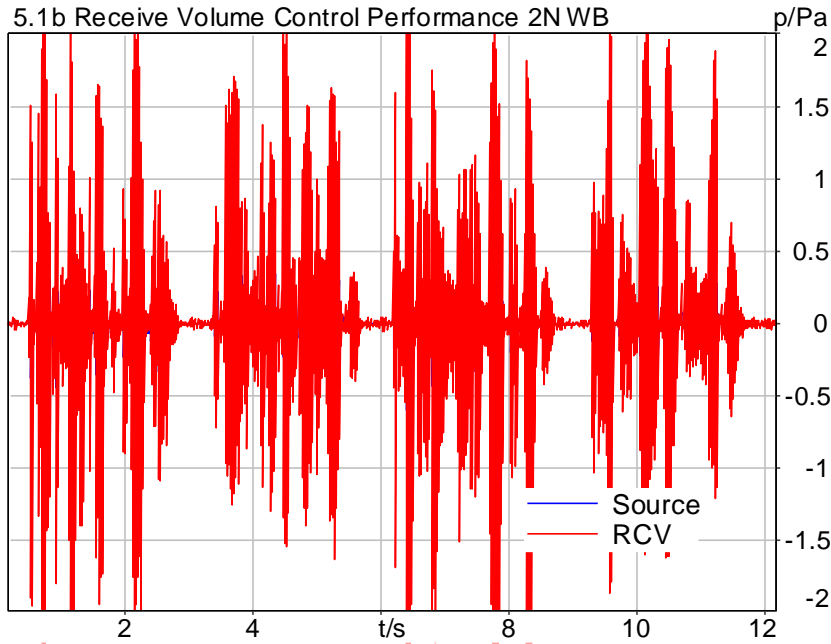
Limits

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 88.10 dB[SPL], Act.: 31.52% Ok

Ok

2023/10/19 下午 06:03 ACQUA 5.1.200

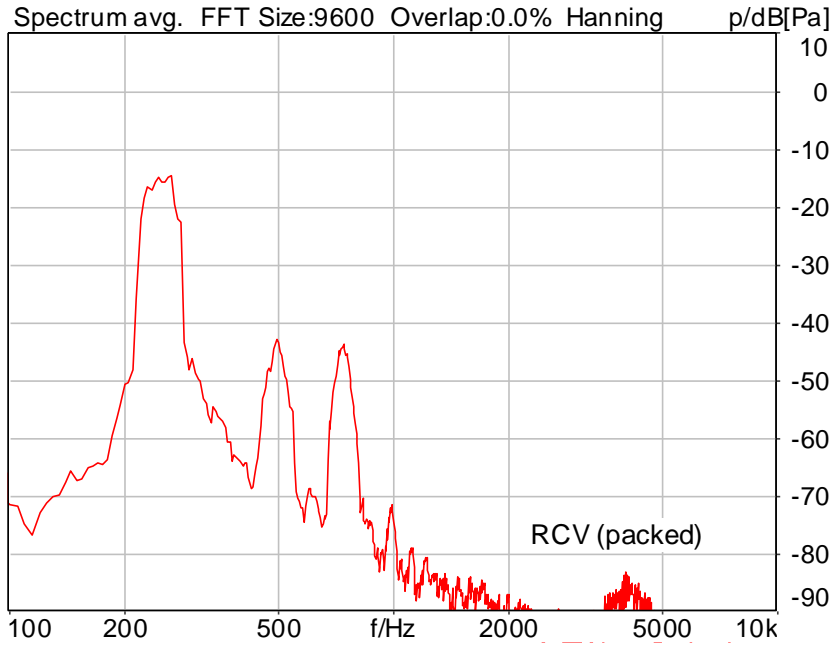
**Limits**

	<b>lower</b>
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): 27.41 dB (4.26%) Ok

Ok

2023/10/19 下午 06:04 ACQUA 5.1.200

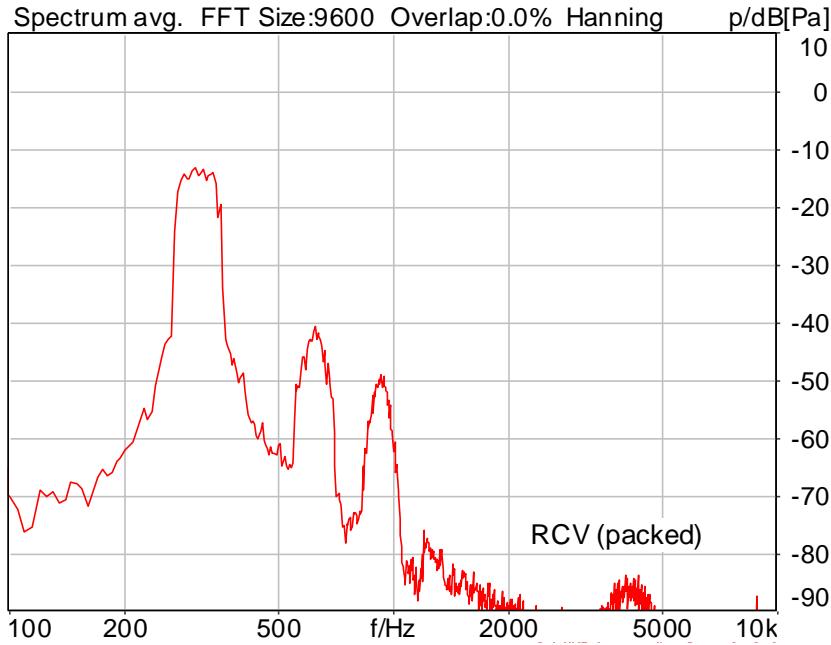
Limits

	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): 28.48 dB (3.77%) Ok

Ok

2023/10/19 下午 06:04 ACQUA 5.1.200

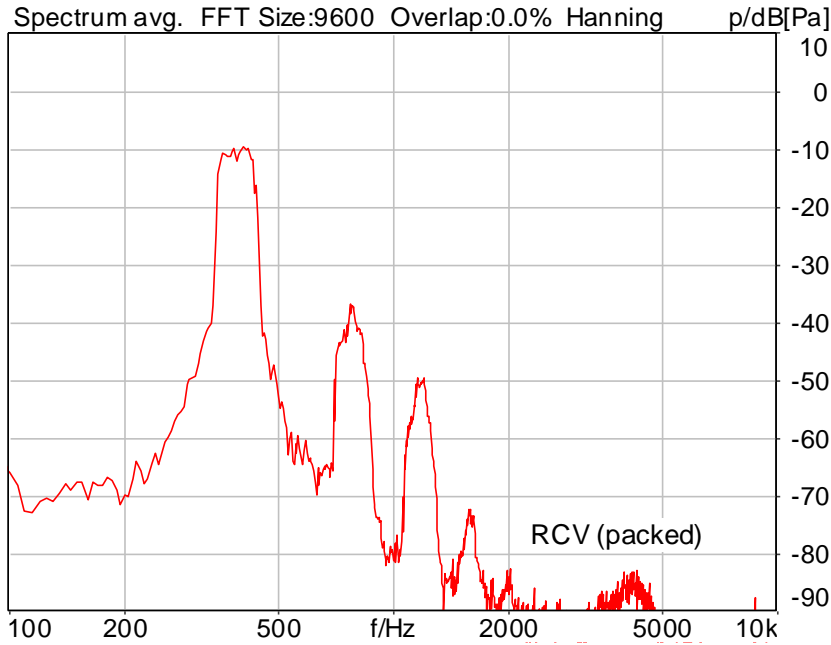
Limits

	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): 28.32 dB (3.84%) Ok

Ok

2023/10/19 下午 06:05 ACQUA 5.1.200

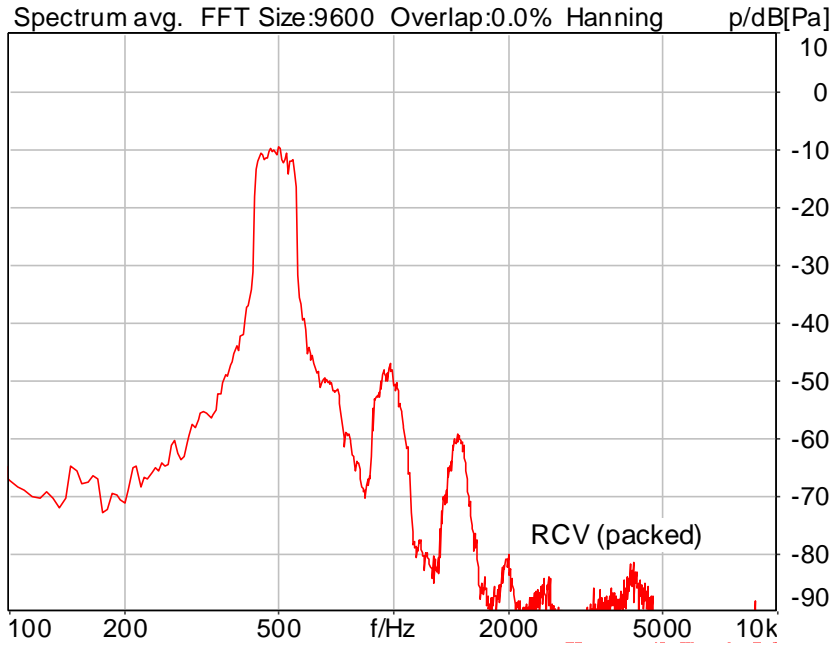
Limits

	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): 34.28 dB (1.93%) Ok

Ok

2023/10/19 下午 06:05 ACQUA 5.1.200

Limits

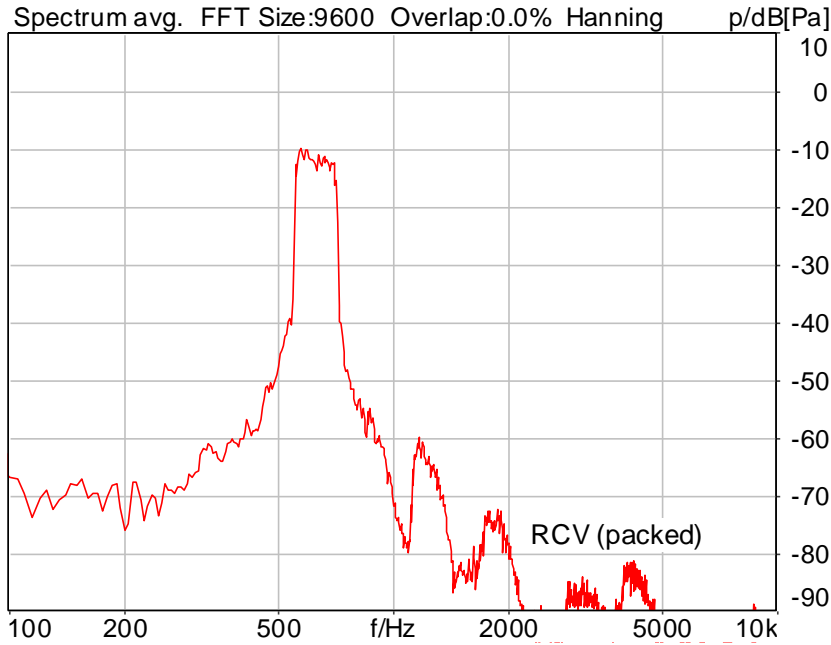
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 38.94 dB (1.13%) Ok

Ok

2023/10/19 下午 06:06 ACQUA 5.1.200

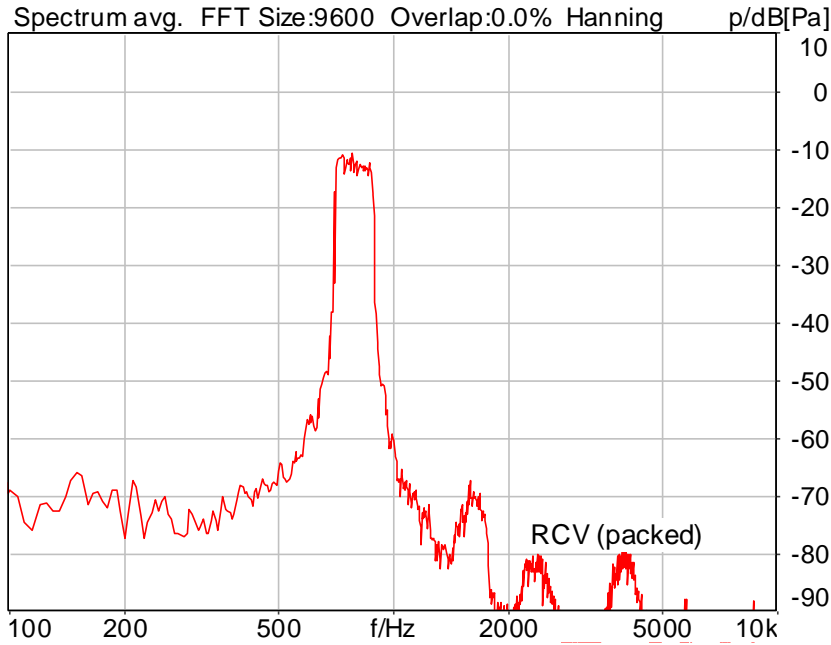
Limits

	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): 41.95 dB (0.80%) Ok

Ok

2023/10/19 下午 06:06 ACQUA 5.1.200

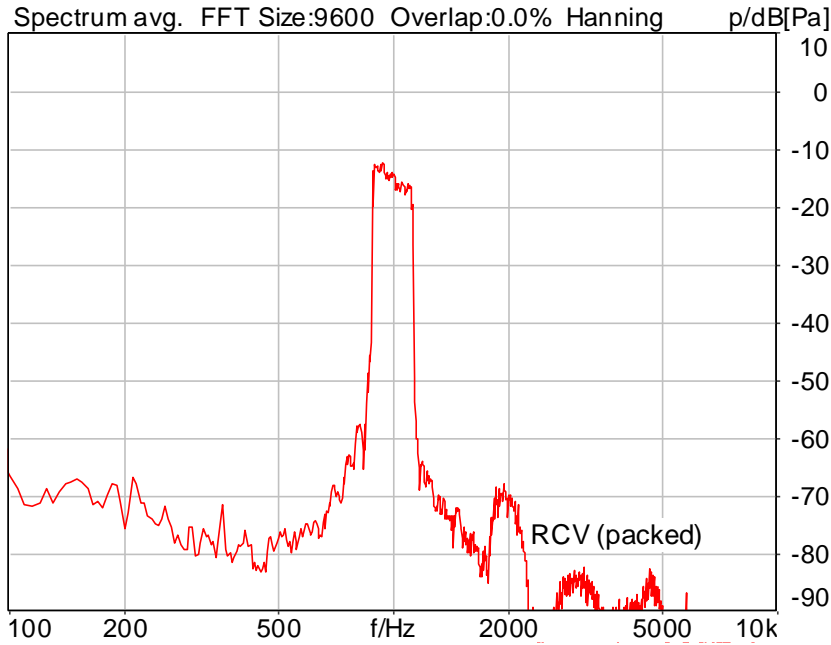
Limits

	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



Distortion (Noise) RCV (packed): 46.43 dB (0.48%) Ok

Ok

2023/10/19 下午 06:07 ACQUA 5.1.200

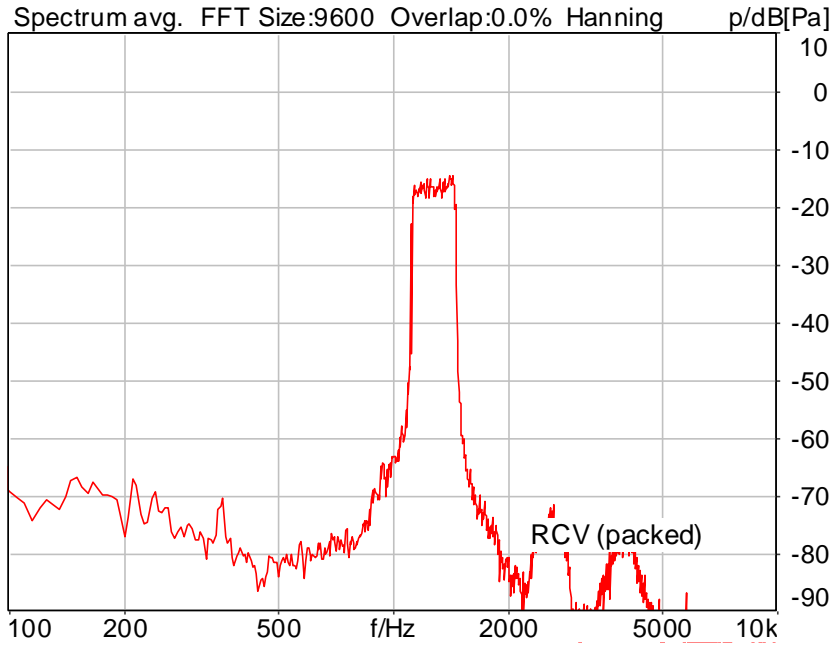
Limits

	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



Distortion (Noise) RCV (packed): 32.98 dB (2.24%) Ok

Ok

2023/10/19 下午 06:07 ACQUA 5.1.200

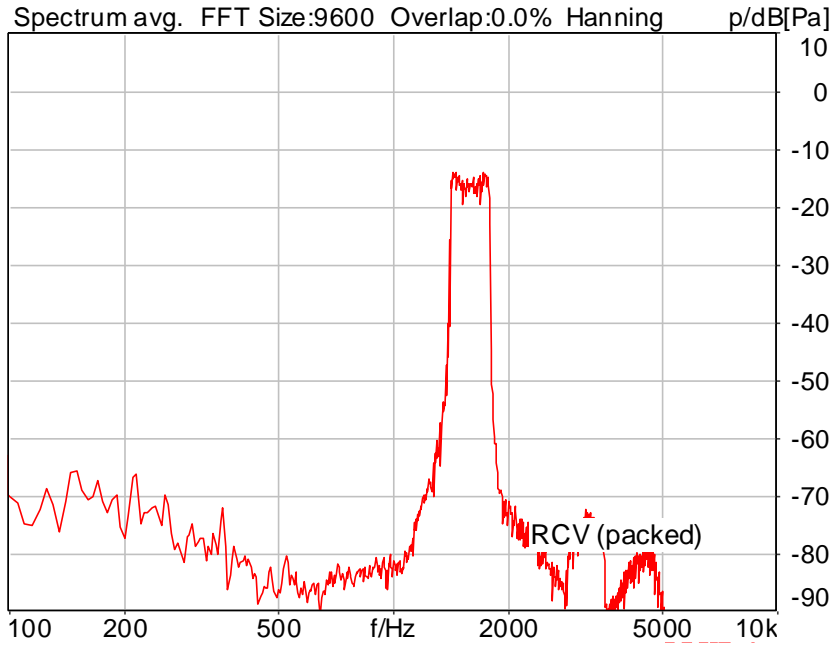
Limits

	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



Distortion (Noise) RCV (packed): 44.75 dB (0.58%) Ok

Ok

2023/10/19 下午 06:07 ACQUA 5.1.200

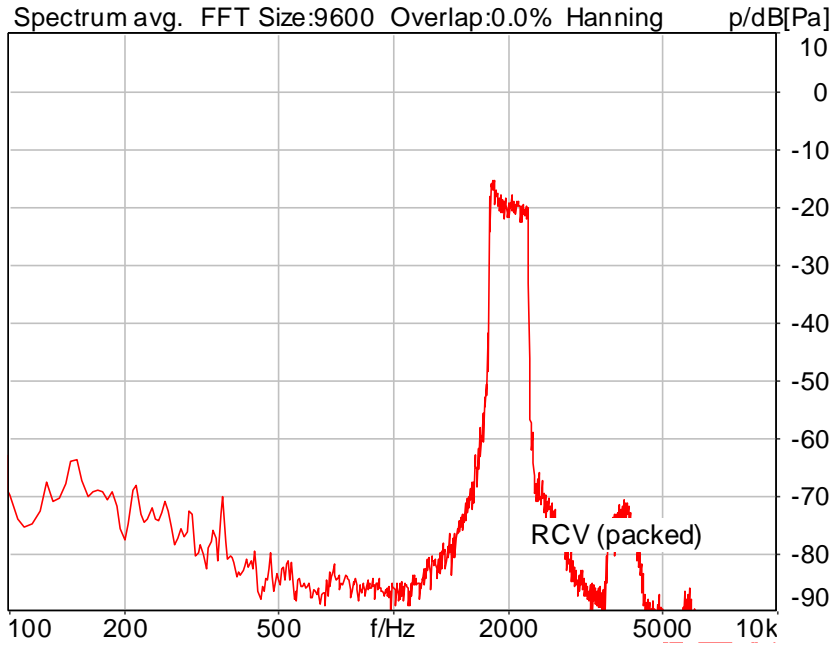
Limits

	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): 41.90 dB (0.80%) Ok

Ok

2023/10/19 下午 06:08 ACQUA 5.1.200

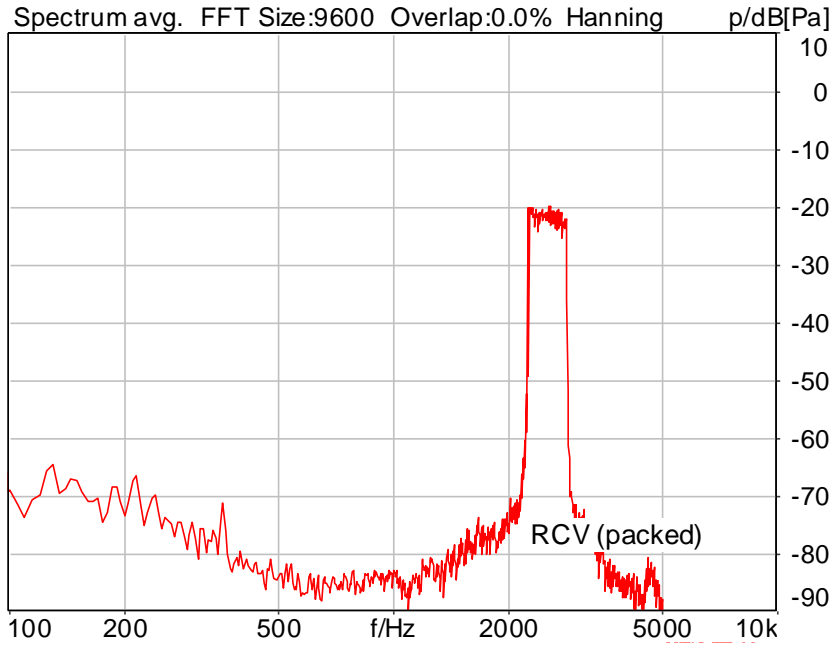
Limits

	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



Distortion (Noise) RCV (packed): 46.29 dB (0.48%) Ok

Ok

2023/10/19 下午 06:08 ACQUA 5.1.200

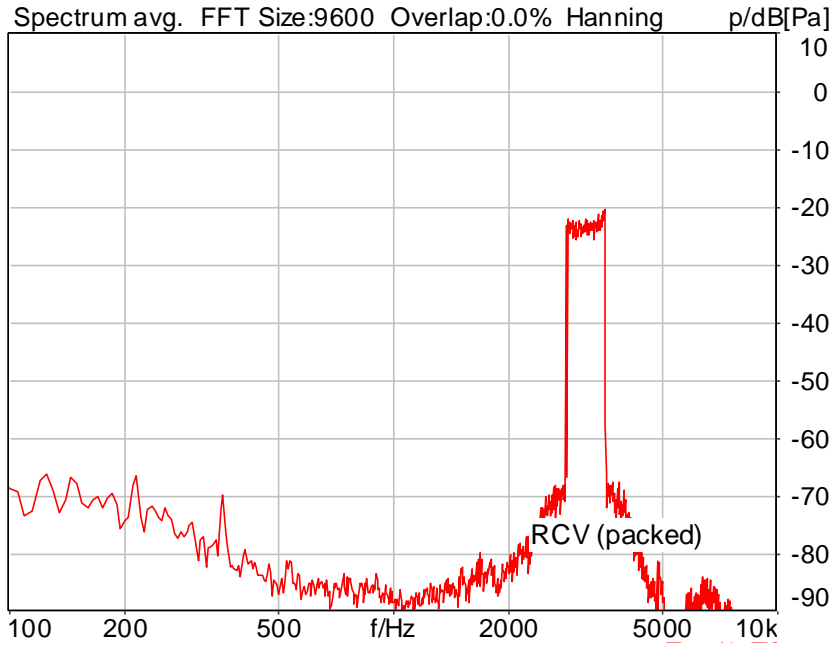
Limits

	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



Distortion (Noise) RCV (packed): 44.60 dB (0.59%) Ok

Ok

2023/10/19 下午 06:09 ACQUA 5.1.200

Limits

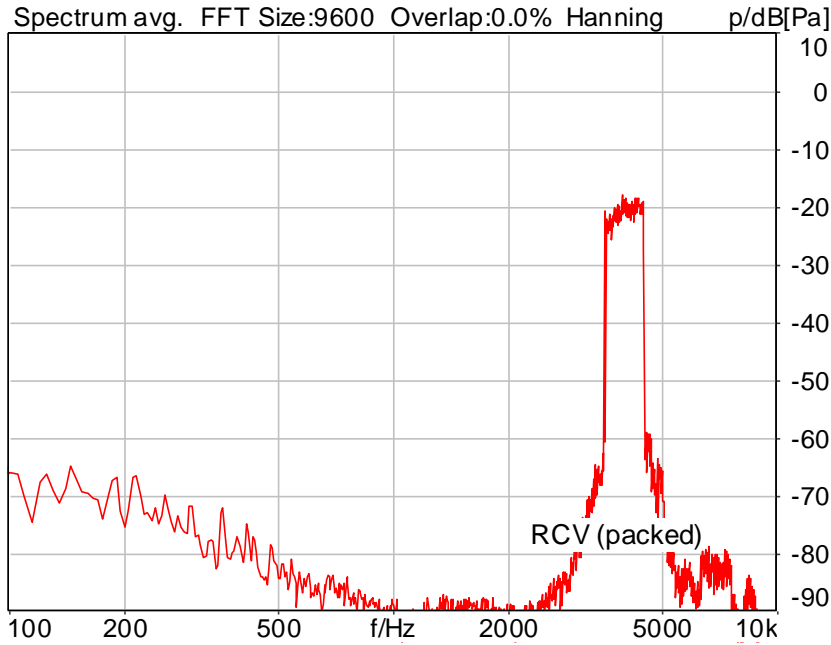
	lower
Run 1	20.00 dB





### 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): 43.81 dB (0.65%) Ok

Ok

2023/10/19 下午 06:09 ACQUA 5.1.200

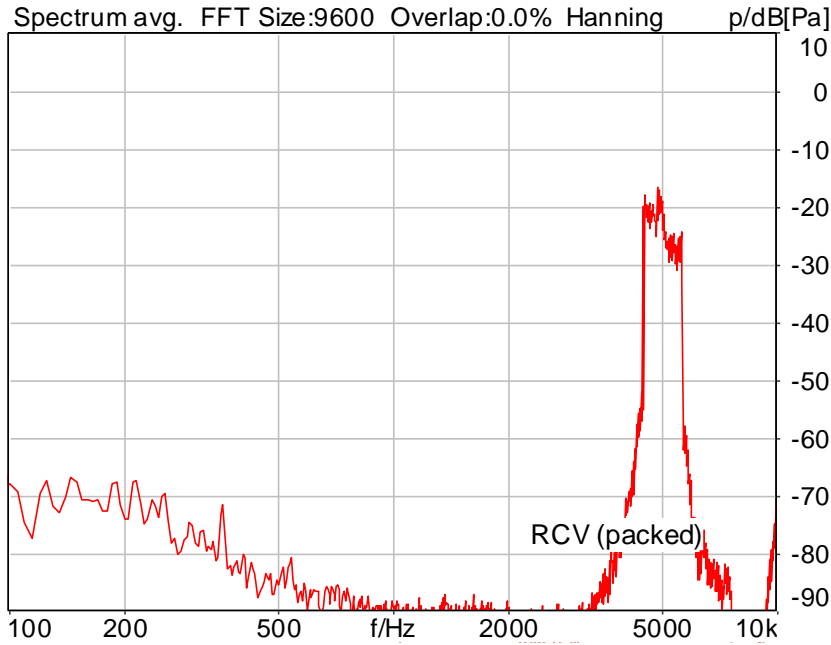
Limits

	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



Distortion (Noise) RCV (packed): 39.90 dB (1.01%) Ok

Ok

2023/10/19 下午 06:10 ACQUA 5.1.200

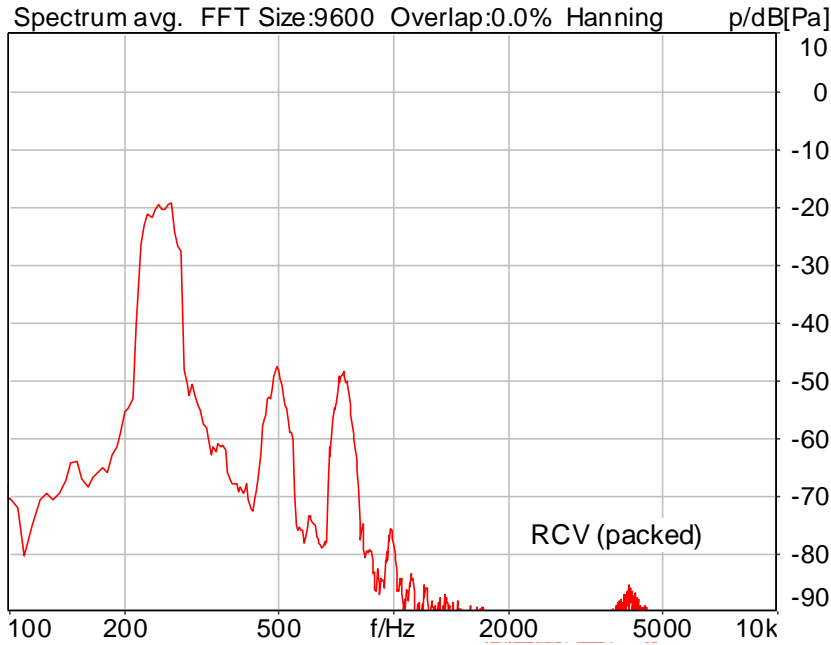
Limits

	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



Distortion (Noise) RCV (packed): 27.35 dB (4.29%) Ok

Ok

2023/10/19 下午 06:11 ACQUA 5.1.200

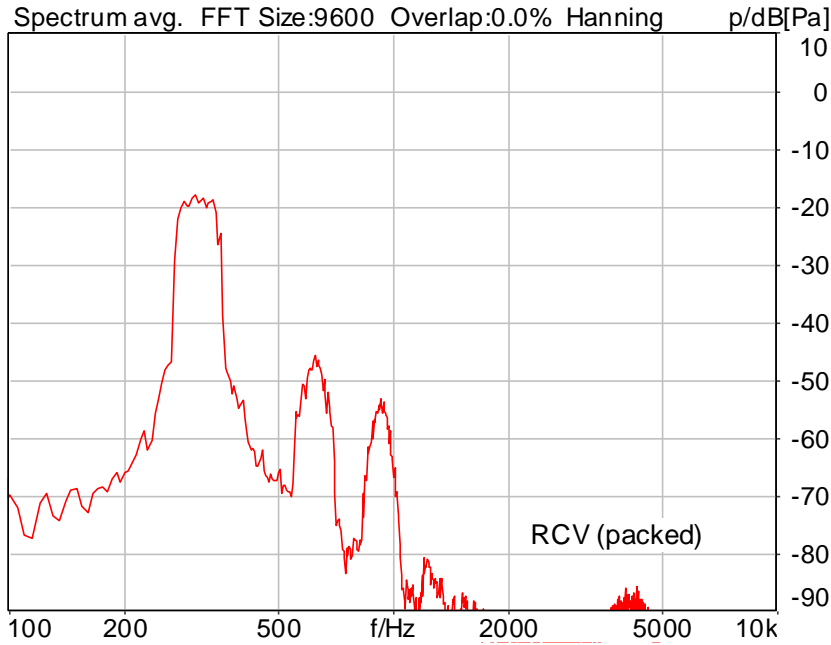
Limits

	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



Distortion (Noise) RCV (packed): 28.56 dB (3.73%) Ok

Ok

2023/10/19 下午 06:11 ACQUA 5.1.200

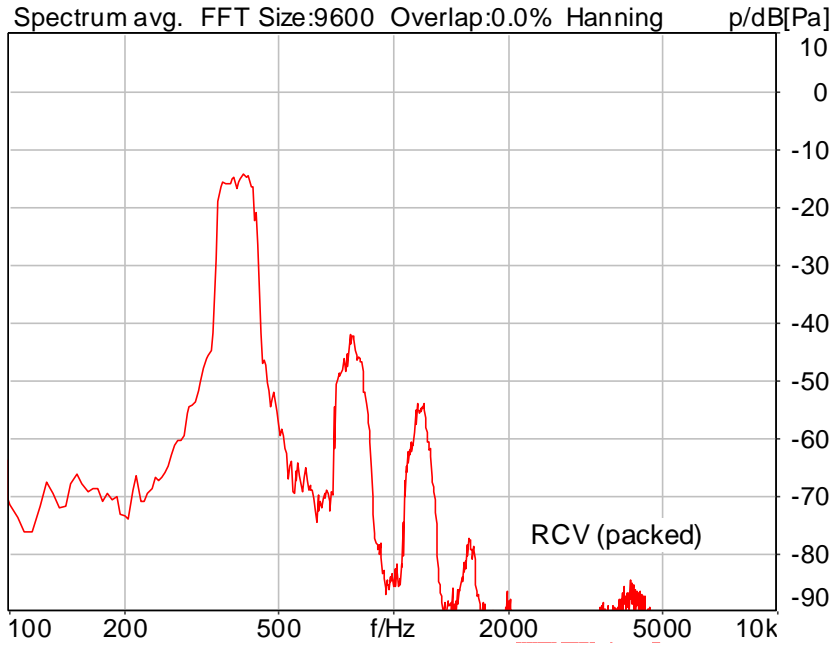
Limits

	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



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

Ok

2023/10/19 下午 06:12 ACQUA 5.1.200

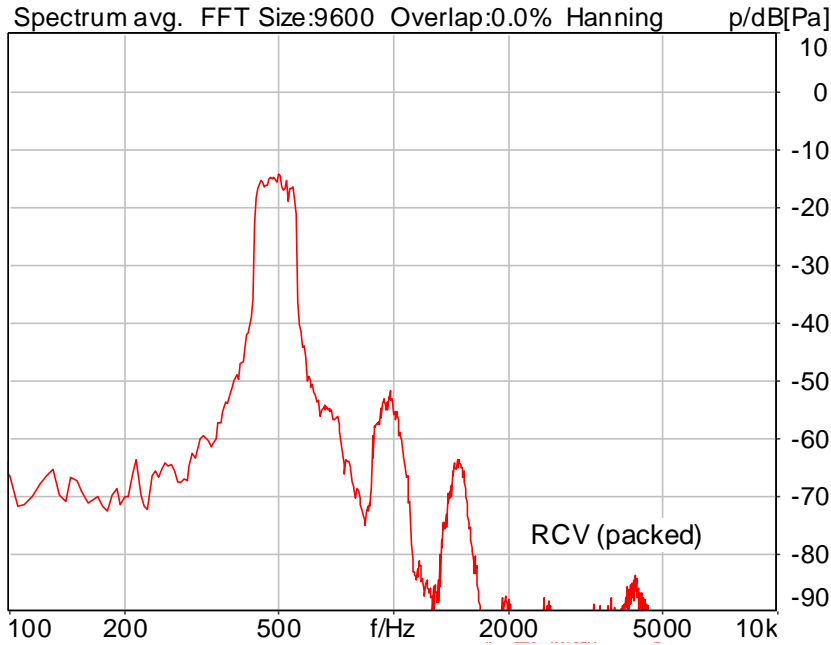
Limits

	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



Distortion (Noise) RCV (packed): 34.36 dB (1.92%) Ok

Ok

2023/10/19 下午 06:12 ACQUA 5.1.200

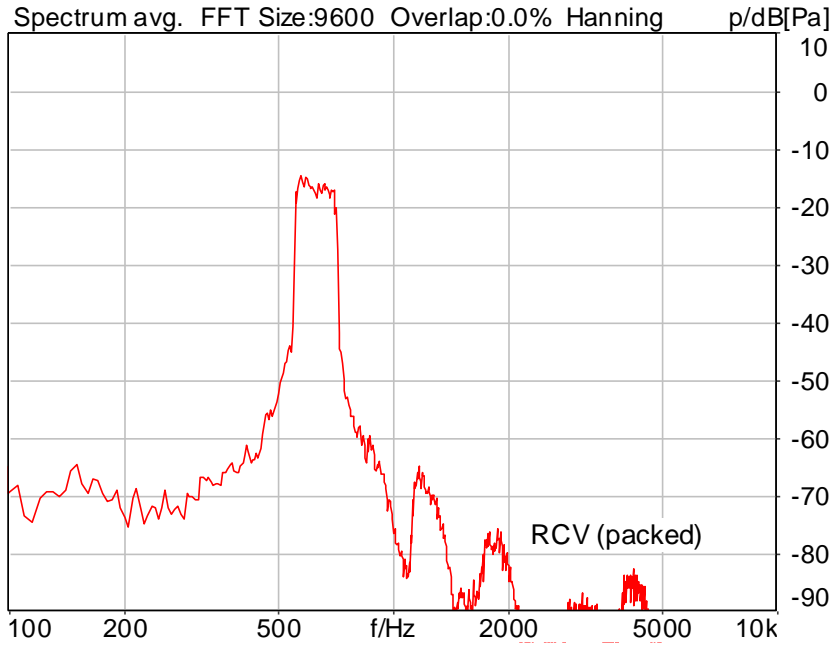
Limits

	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): 38.85 dB (1.14%) Ok

Ok

2023/10/19 下午 06:13 ACQUA 5.1.200

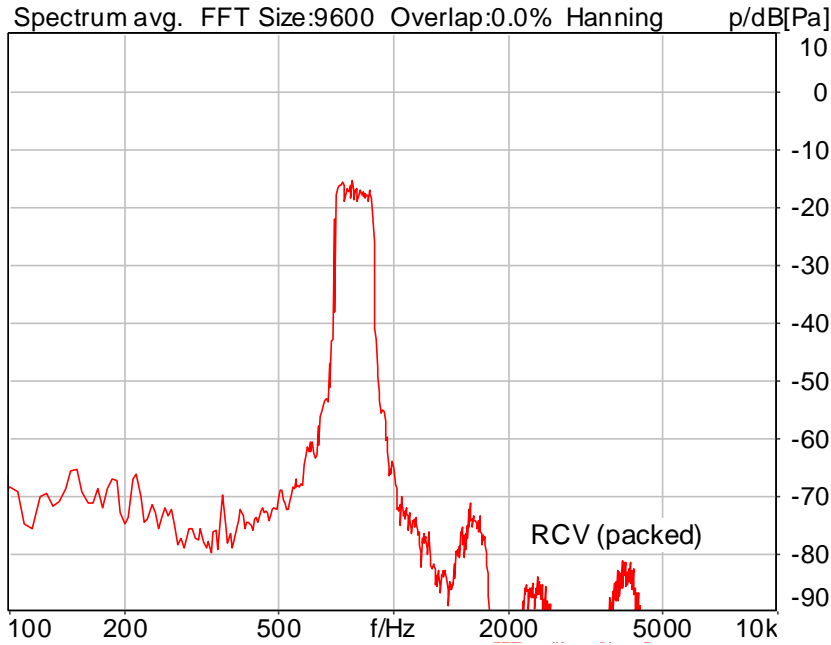
Limits

	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): 41.86 dB (0.81%) Ok

Ok

2023/10/19 下午 06:13 ACQUA 5.1.200

Limits

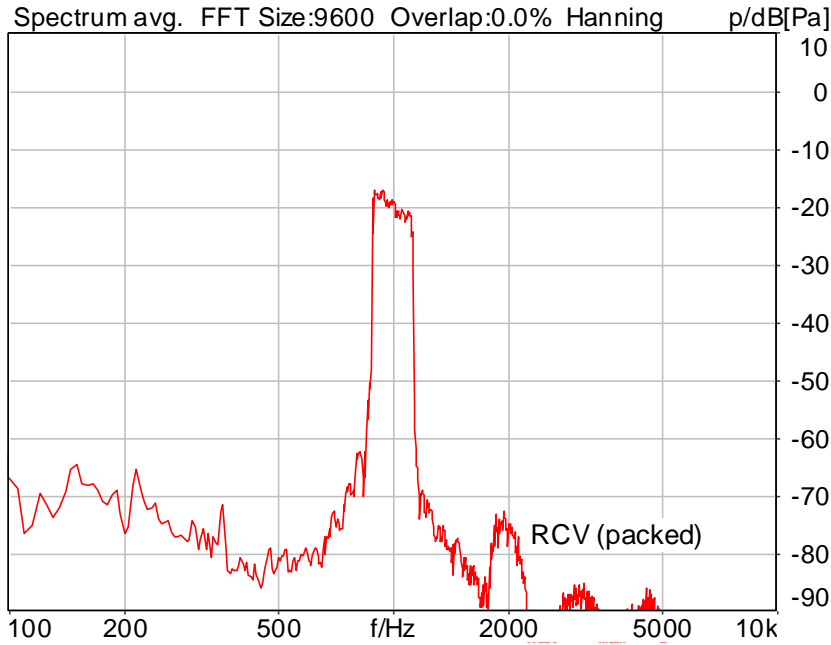
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 46.41 dB (0.48%) Ok

Ok

2023/10/19 下午 06:14 ACQUA 5.1.200

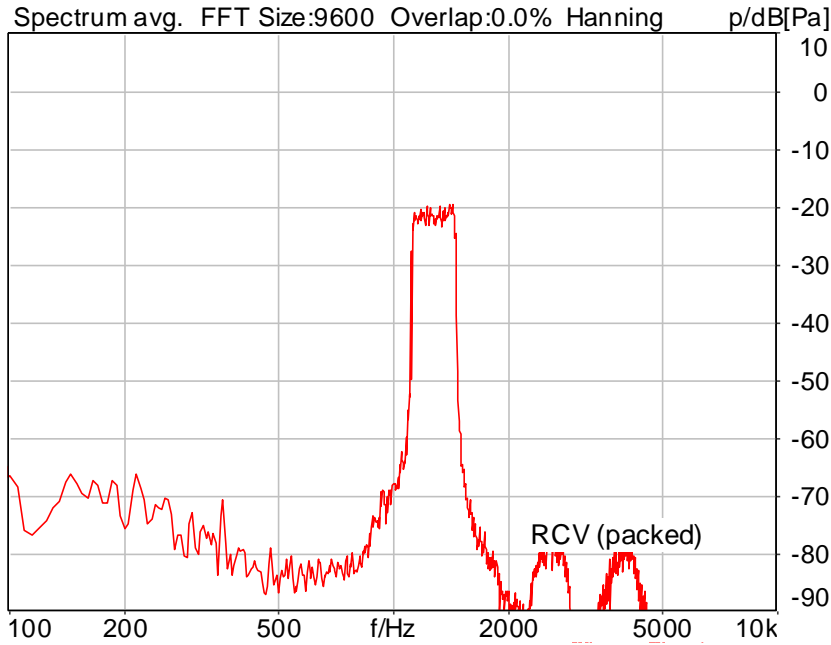
Limits

	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): 33.36 dB (2.15%) Ok

Ok

2023/10/19 下午 06:14 ACQUA 5.1.200

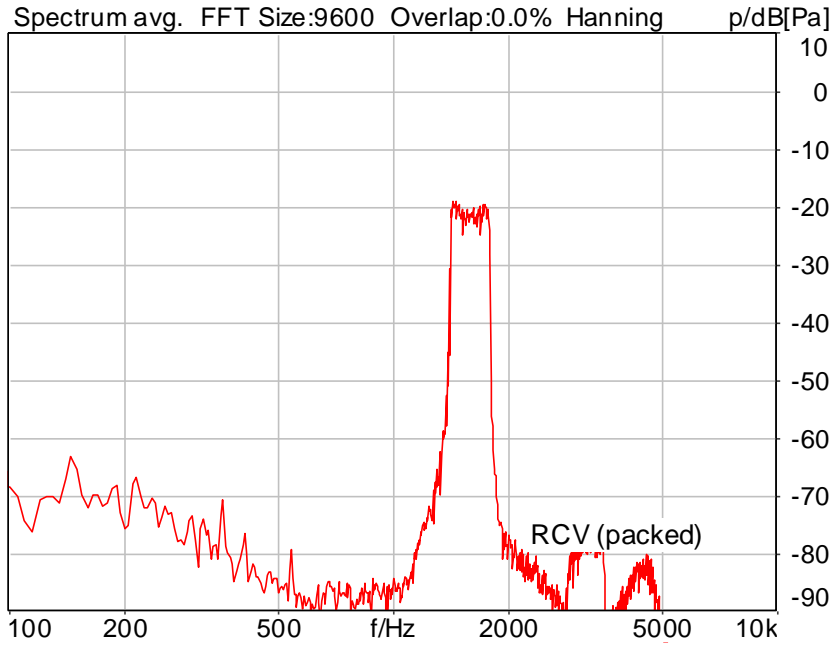
Limits

	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



Distortion (Noise) RCV (packed): 44.22 dB (0.62%) Ok

Ok

2023/10/19 下午 06:15 ACQUA 5.1.200

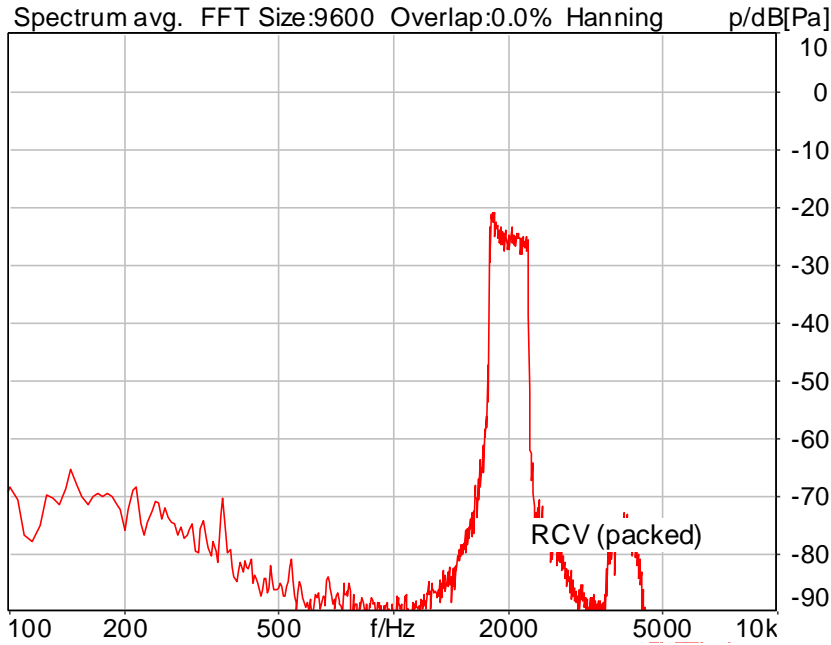
Limits

	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



Distortion (Noise) RCV (packed): 41.10 dB (0.88%) Ok

Ok

2023/10/19 下午 06:15 ACQUA 5.1.200

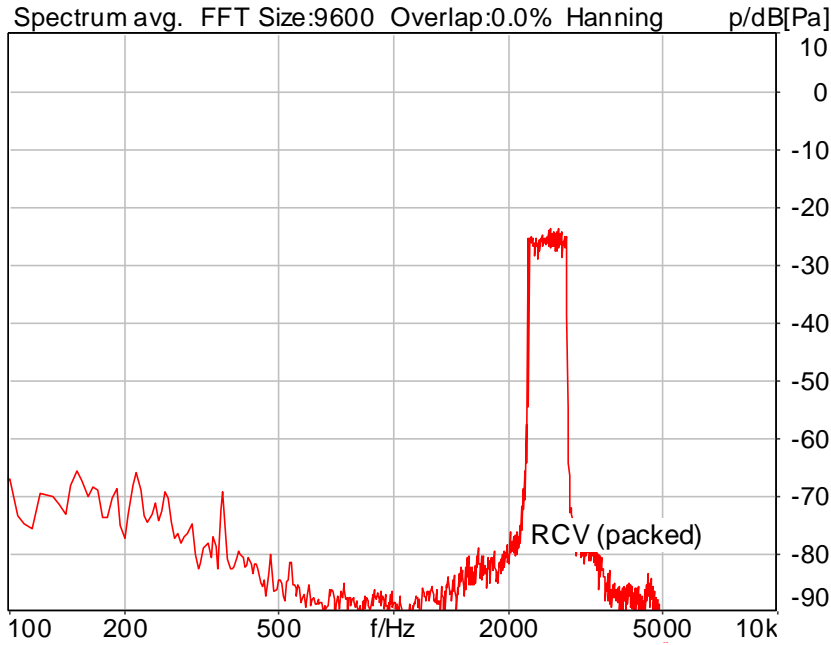
Limits

	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



Distortion (Noise) RCV (packed): 45.94 dB (0.50%) Ok

Ok

2023/10/19 下午 06:16 ACQUA 5.1.200

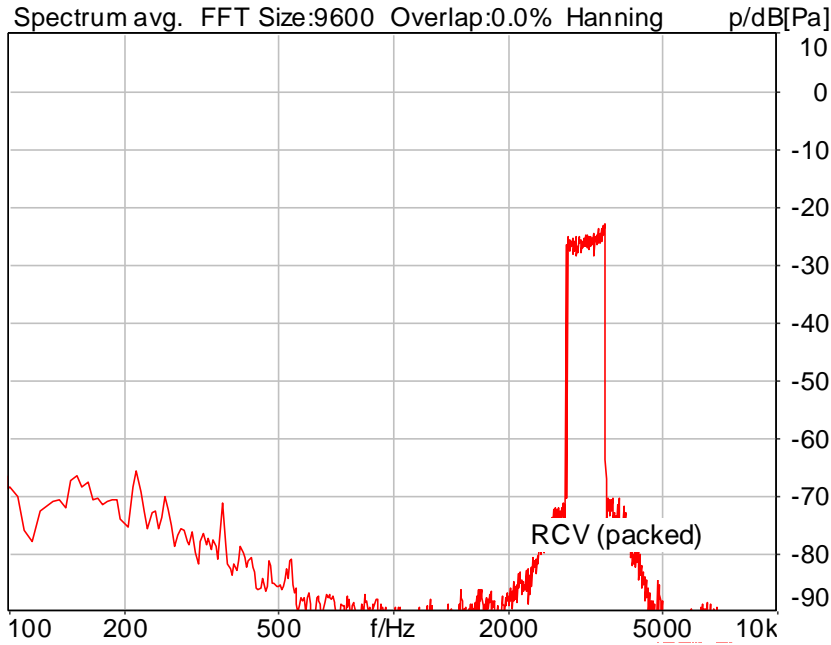
Limits

	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



Distortion (Noise) RCV (packed): 45.16 dB (0.55%) Ok

Ok

2023/10/19 下午 06:16 ACQUA 5.1.200

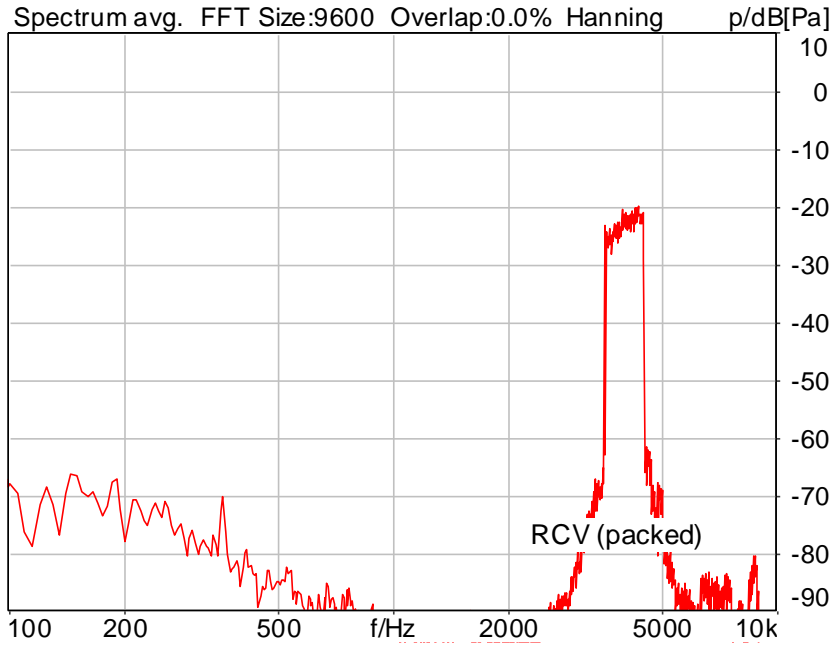
Limits

	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



Distortion (Noise) RCV (packed): 44.64 dB (0.59%) Ok

Ok

2023/10/19 下午 06:17 ACQUA 5.1.200

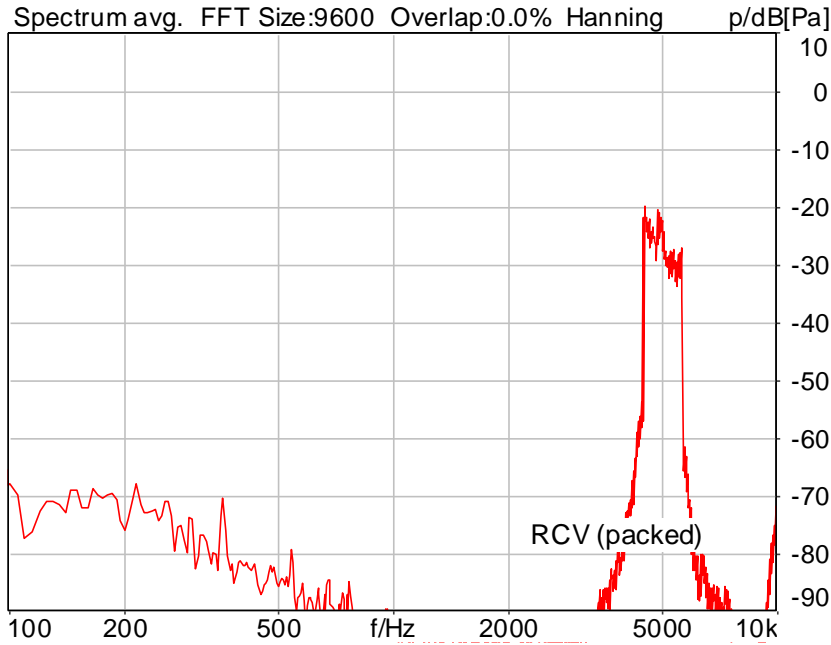
Limits

	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): 38.78 dB (1.15%) Ok

Ok

2023/10/19 下午 06:17 ACQUA 5.1.200

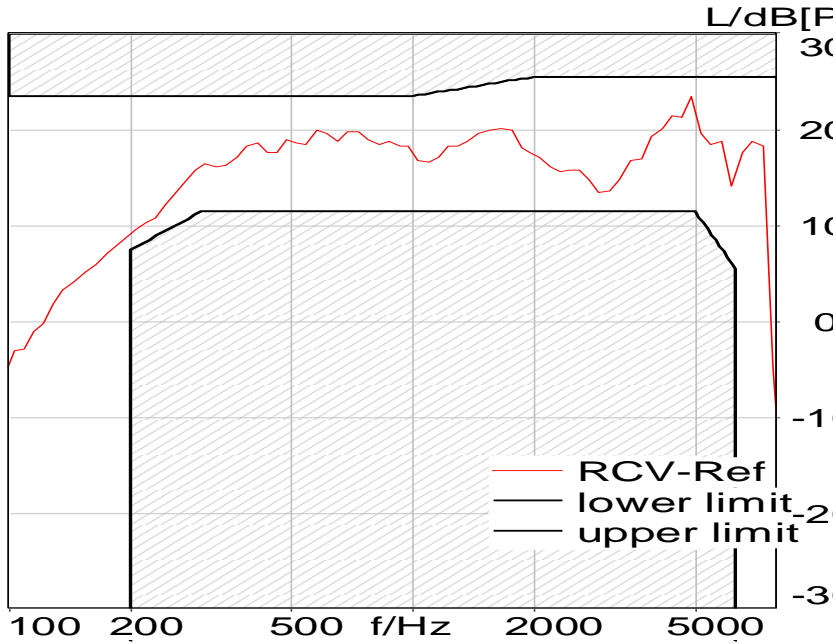
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
1.99 dB at 4870.0 Hz Ok

Ok

2023/10/19 下午 06:25 ACQUA 5.1.200

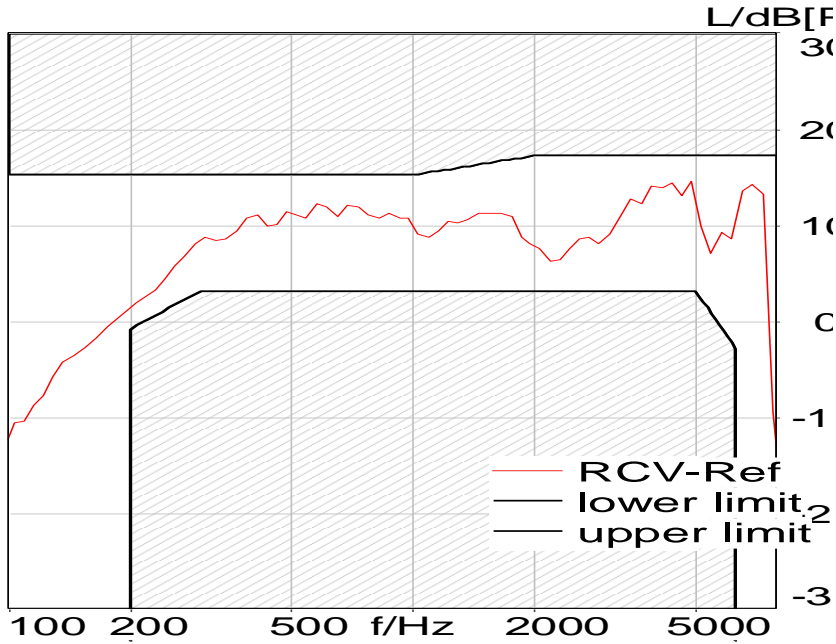
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
2.54 dB at 205.7 Hz Ok

Ok

2023/10/19 下午 06:19 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



#22 FR1 n77 EVS WB 24.4kbps

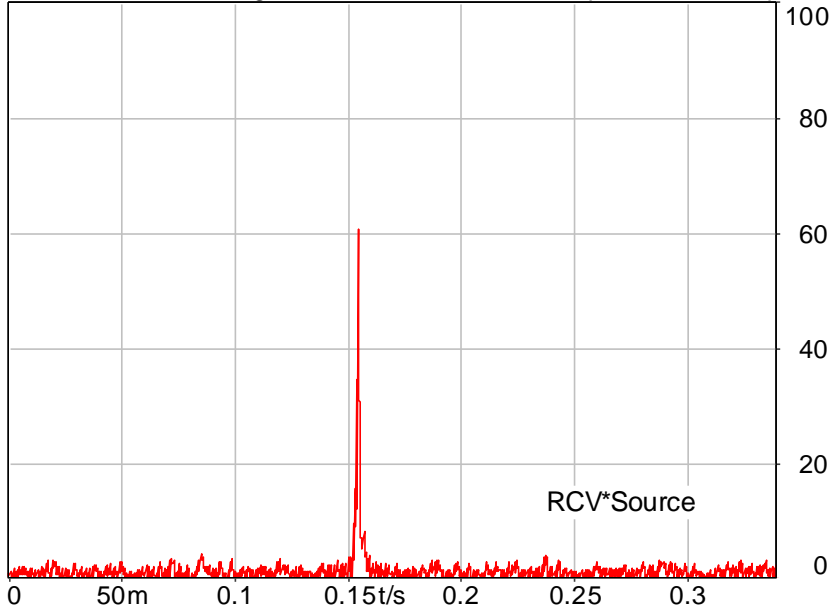
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	154.8
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.85
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	87.66
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.53
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.73
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.52
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.36
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.88
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.05
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.24
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.92
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.83
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.11
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.10
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.22
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.43
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.73
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.45
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.72
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.65
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.47
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.24
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.68
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	46.13
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.00
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.21
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.14
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.95
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.75
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.41
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.35
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 4870.0 Hz	2.48
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4369.4 Hz	1.79



### Overall Receive Delay WB

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

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



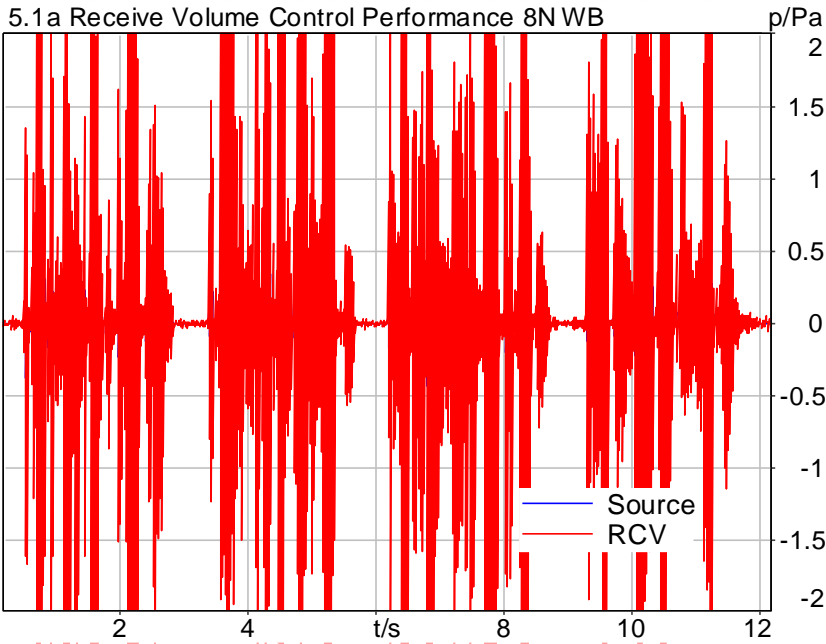
Delay (Cross): 154.8 ms

2023/10/19 下午 08:13 ACQUA 5.1.200



### 5.1a Receive Volume Control Performance 8N WB

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



Speech Level RCV: 89.85 dB[SPL], Act.: 58.89% Ok

Ok

2023/10/19 下午 08:13 ACQUA 5.1.200

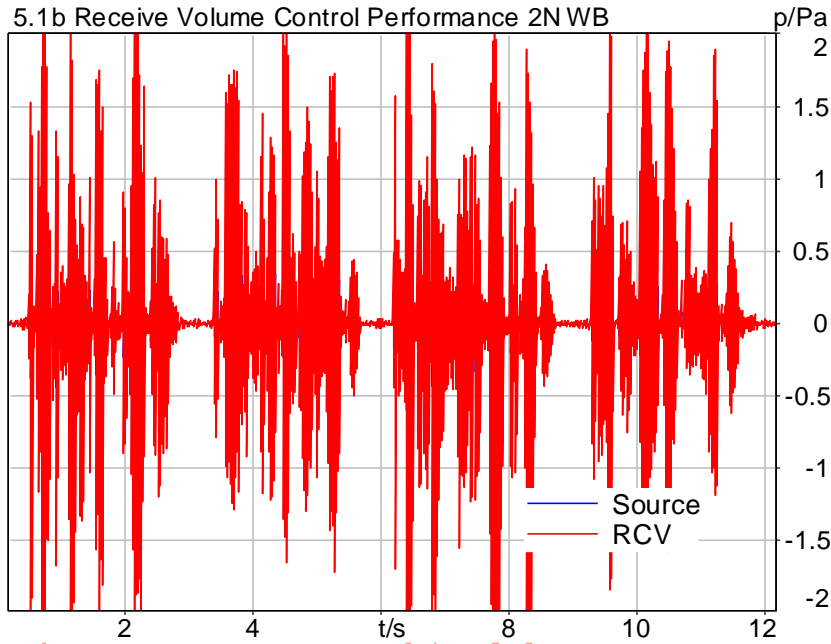
Limits

	lower
Run 1	88.00 dB20uPa



### 5.1b Receive Volume Control Performance 2N WB

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



Speech Level RCV: 87.66 dB[SPL], Act.: 35.01% Ok

Ok

2023/10/19 下午 08:14 ACQUA 5.1.200

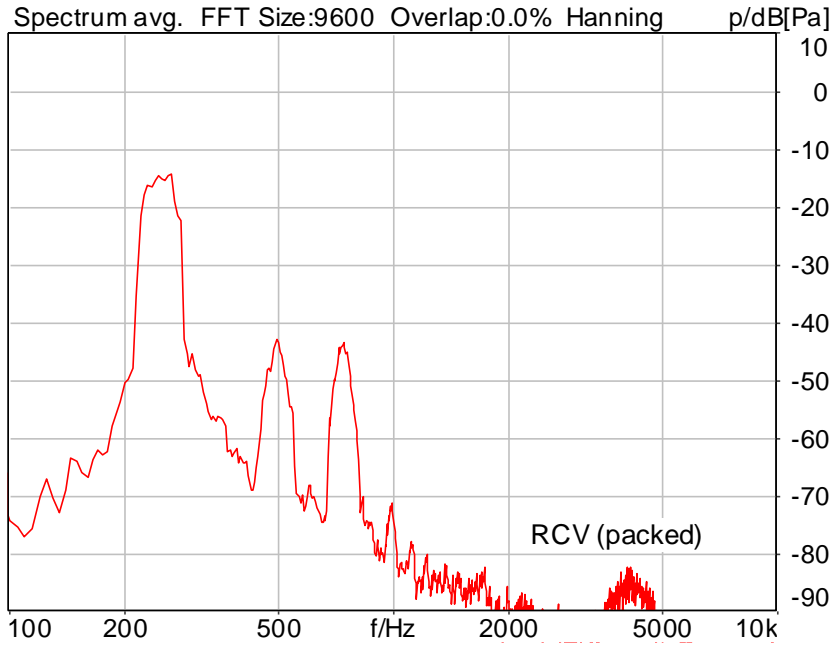
Limits

	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



Distortion (Noise) RCV (packed): 27.53 dB (4.20%) Ok

Ok

2023/10/19 下午 08:15 ACQUA 5.1.200

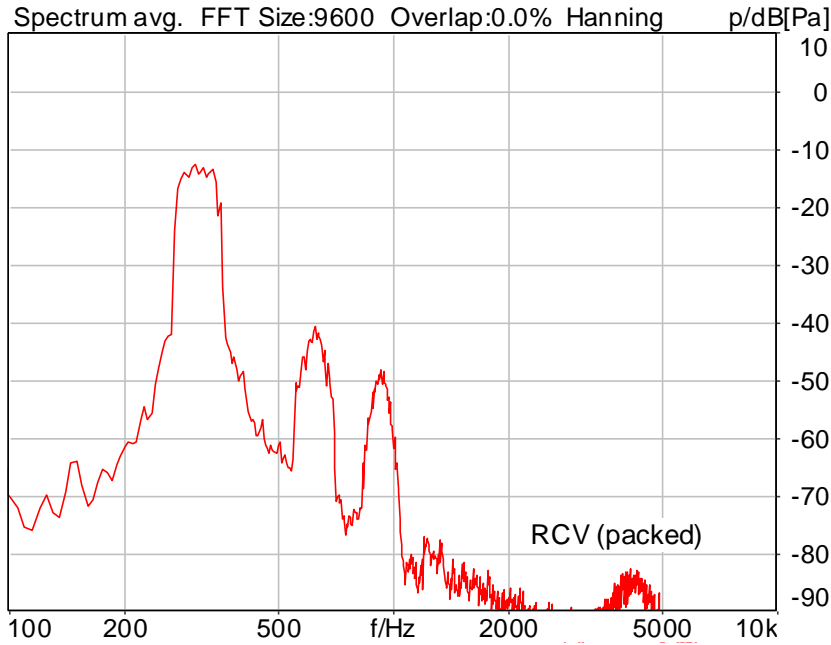
Limits

	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): 28.73 dB (3.66%) Ok

Ok

2023/10/19 下午 08:15 ACQUA 5.1.200

Limits

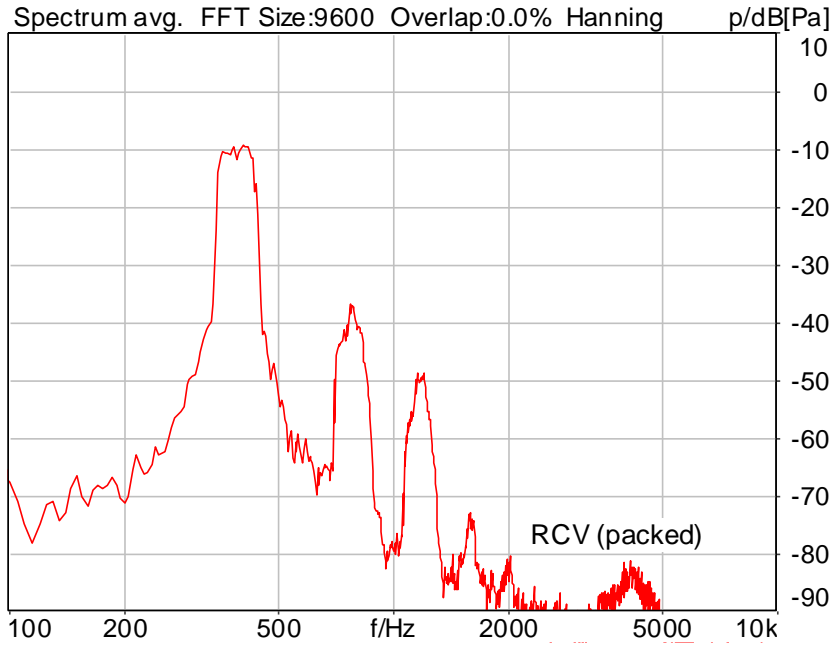
	lower
Run 1	20.00 dB





### 5.2 RCV Distortion and Noise - 400 Hz WB

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



Distortion (Noise) RCV (packed): 28.52 dB (3.75%) Ok

Ok

2023/10/19 下午 08:16 ACQUA 5.1.200

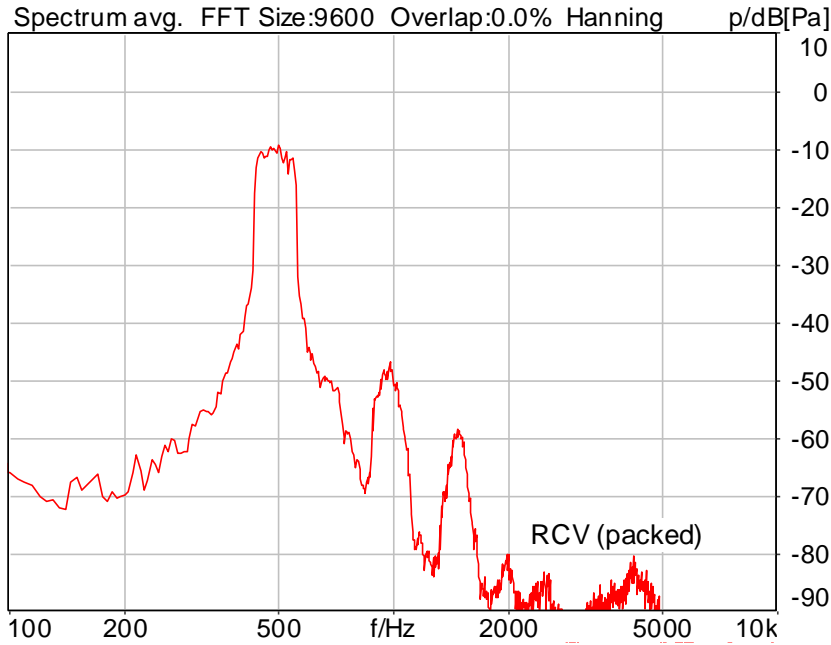
Limits

	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): 34.36 dB (1.91%) Ok

Ok

2023/10/19 下午 08:16 ACQUA 5.1.200

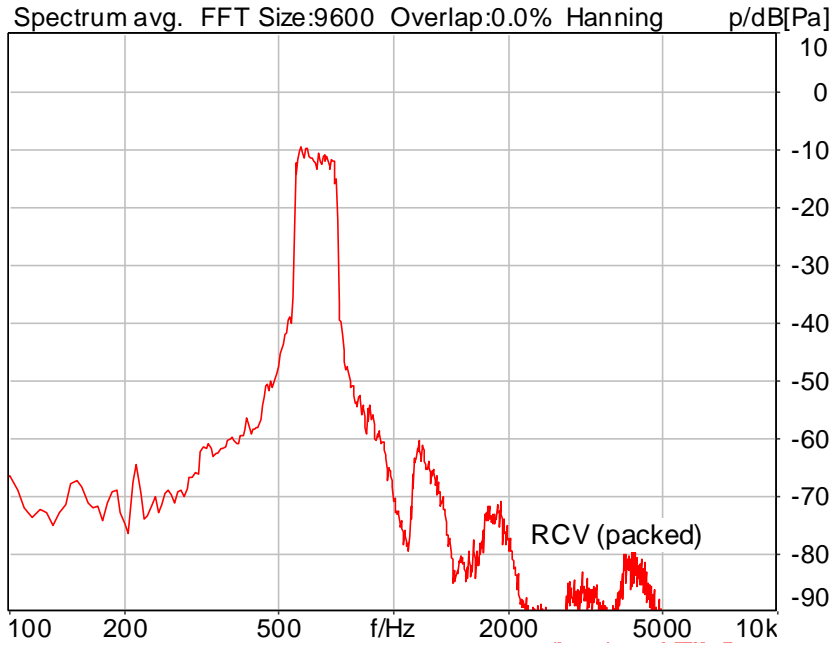
Limits

	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 8N change frequency range



Distortion (Noise) RCV (packed): 38.88 dB (1.14%) Ok

Ok

2023/10/19 下午 08:17 ACQUA 5.1.200

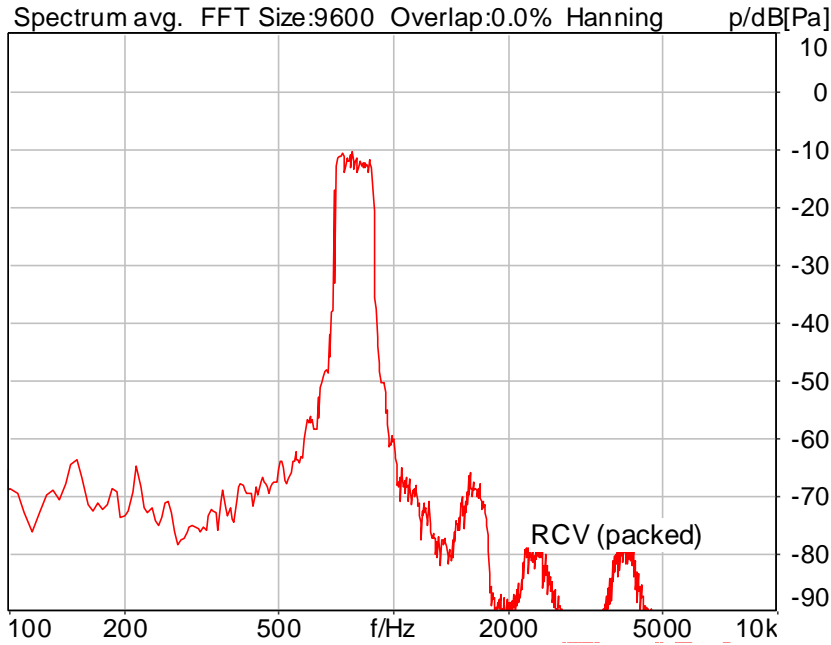
Limits

	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): 42.05 dB (0.79%) Ok

Ok

2023/10/19 下午 08:17 ACQUA 5.1.200

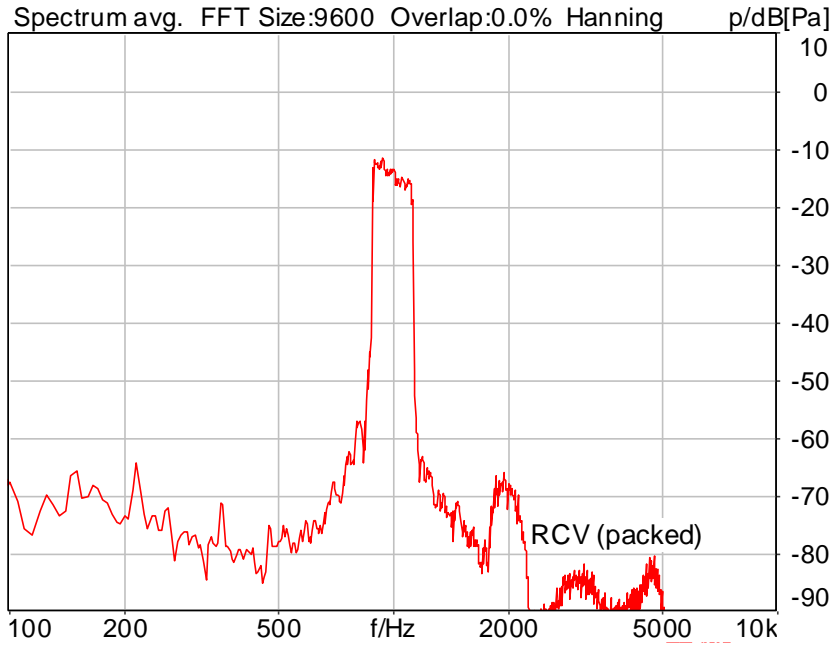
Limits

	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 8N change frequency range



Distortion (Noise) RCV (packed): 46.24 dB (0.49%) Ok

Ok

2023/10/19 下午 08:18 ACQUA 5.1.200

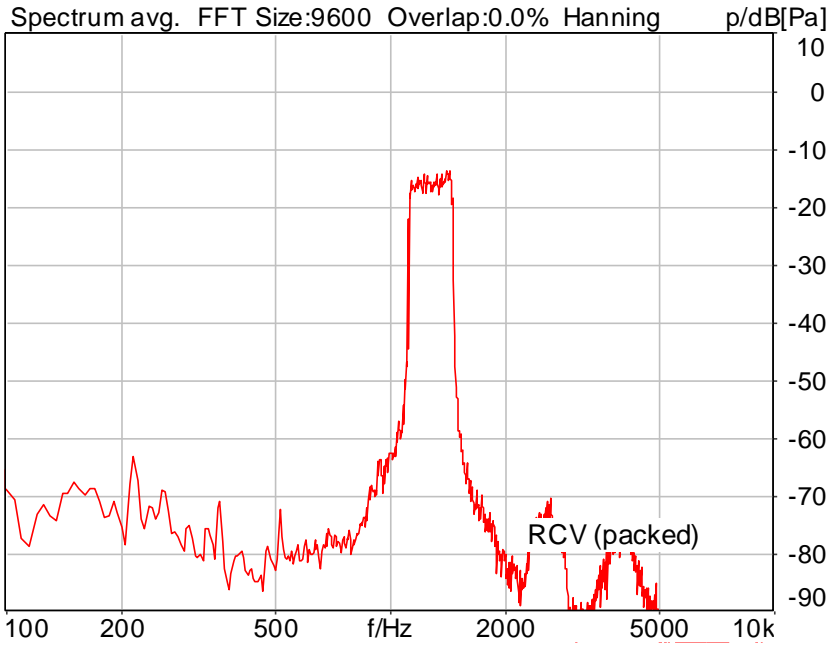
Limits

	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



Distortion (Noise) RCV (packed): 32.92 dB (2.26%) Ok

Ok

2023/10/19 下午 08:18 ACQUA 5.1.200

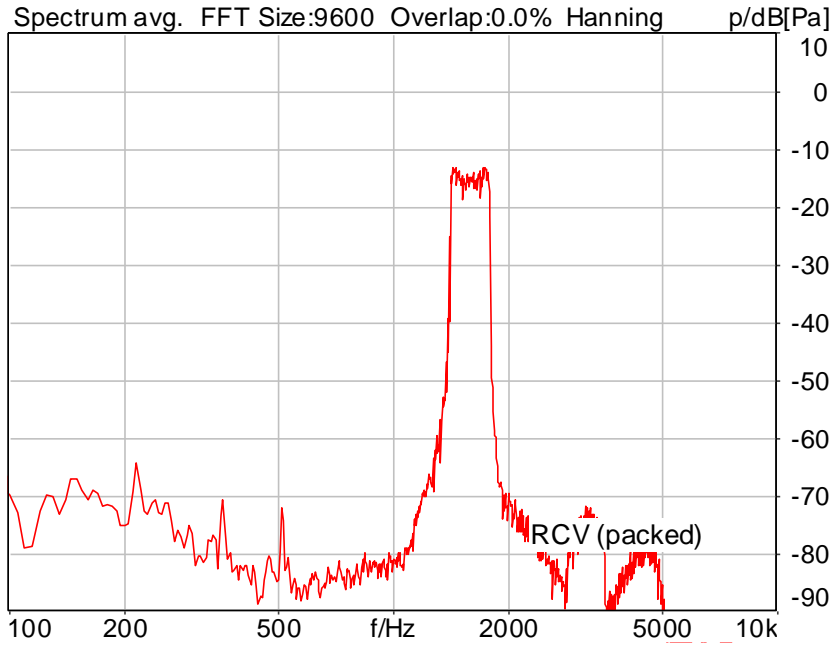
Limits

	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 8N change frequency range



Distortion (Noise) RCV (packed): 44.83 dB (0.57%) Ok

Ok

2023/10/19 下午 08:19 ACQUA 5.1.200

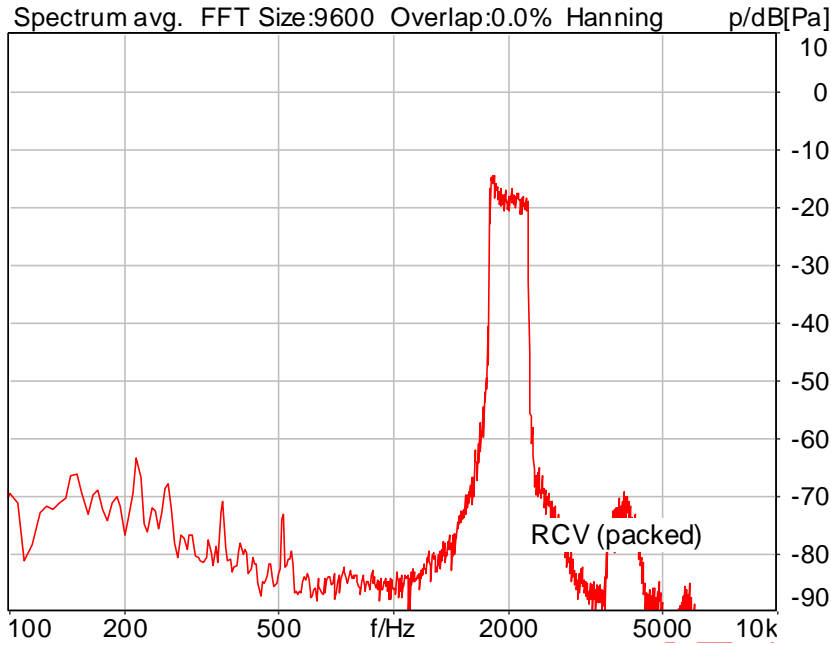
Limits

	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): 42.11 dB (0.78%) Ok

Ok

2023/10/19 下午 08:19 ACQUA 5.1.200

Limits

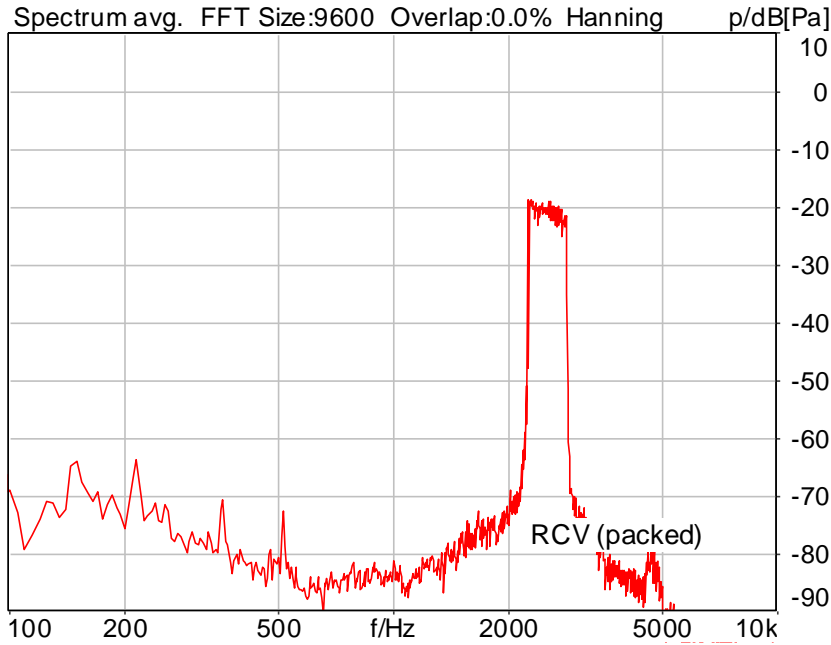
	lower
Run 1	20.00 dB





### 5.2 RCV Distortion and Noise - 2500 Hz WB

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



Distortion (Noise) RCV (packed): 46.10 dB (0.50%) Ok

Ok

2023/10/19 下午 08:20 ACQUA 5.1.200

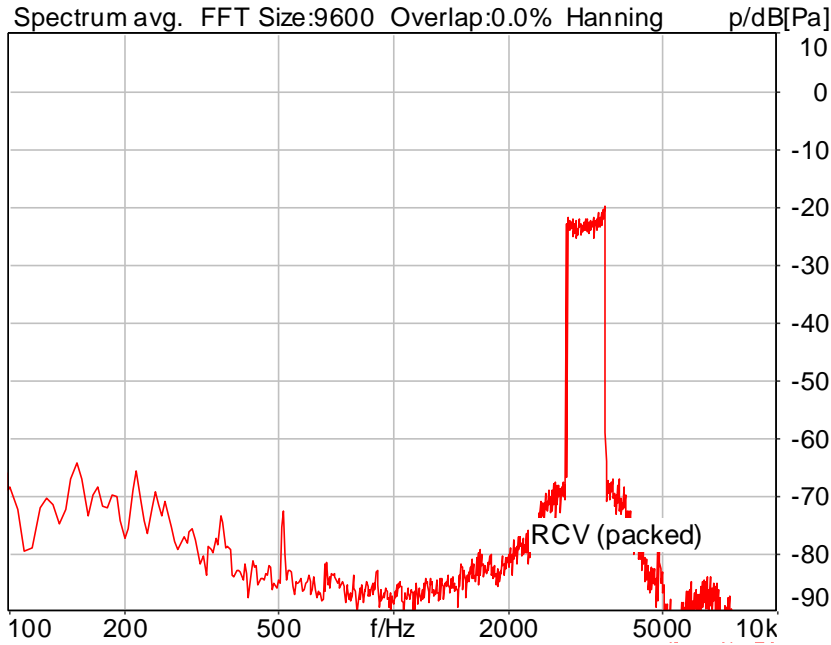
Limits

	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



Distortion (Noise) RCV (packed): 44.22 dB (0.62%) Ok

Ok

2023/10/19 下午 08:20 ACQUA 5.1.200

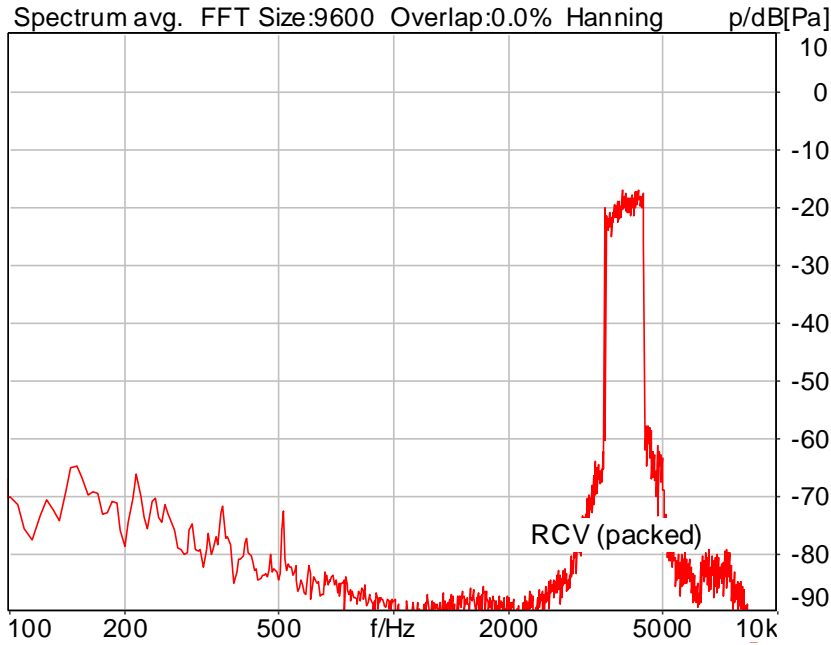
Limits

	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 8N change frequency range



Distortion (Noise) RCV (packed): 43.43 dB (0.67%) Ok

Ok

2023/10/19 下午 08:21 ACQUA 5.1.200

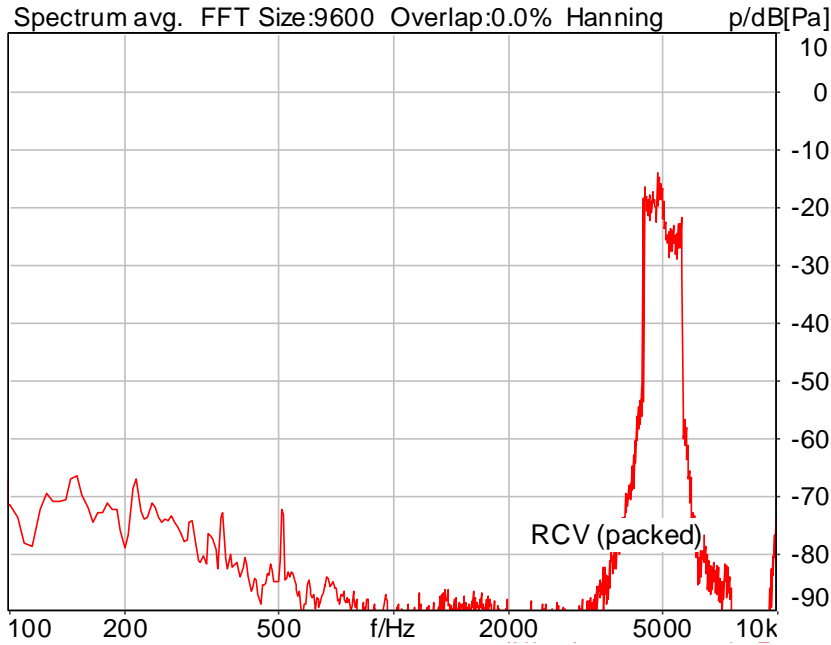
Limits

	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



Distortion (Noise) RCV (packed): 40.73 dB (0.92%) Ok

Ok

2023/10/19 下午 08:21 ACQUA 5.1.200

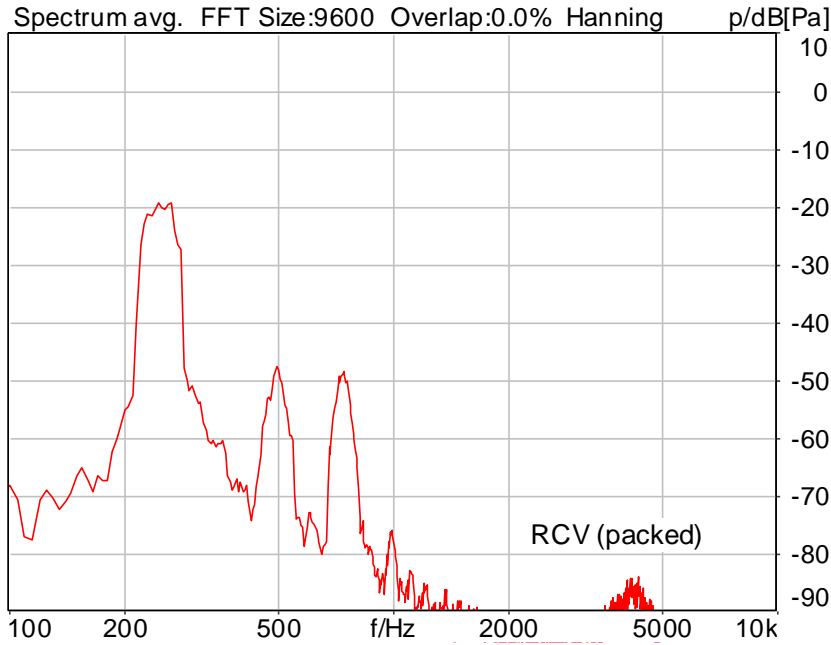
Limits

	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



Distortion (Noise) RCV (packed): 27.45 dB (4.24%) Ok

Ok

2023/10/19 下午 08:22 ACQUA 5.1.200

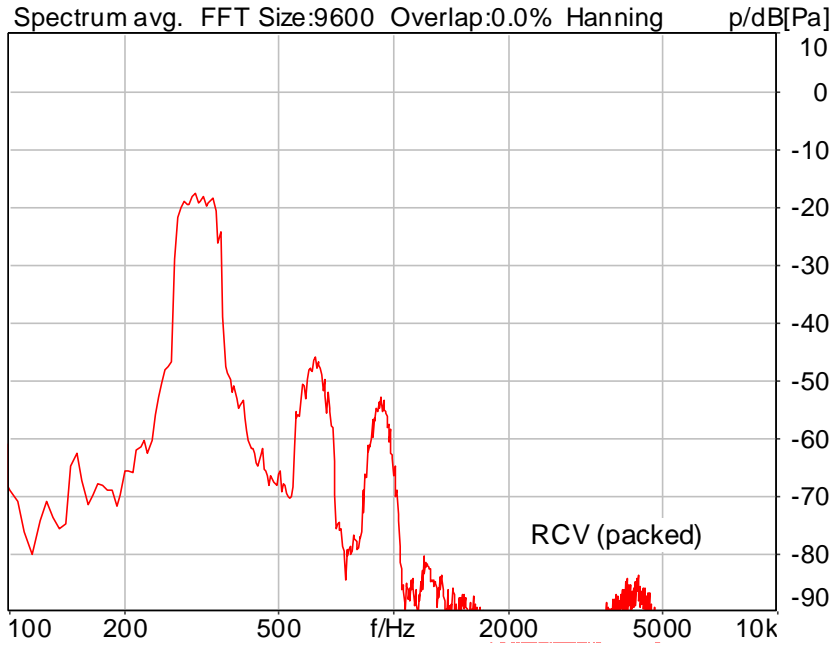
Limits

	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



Distortion (Noise) RCV (packed): 28.72 dB (3.67%) Ok

Ok

2023/10/19 下午 08:23 ACQUA 5.1.200

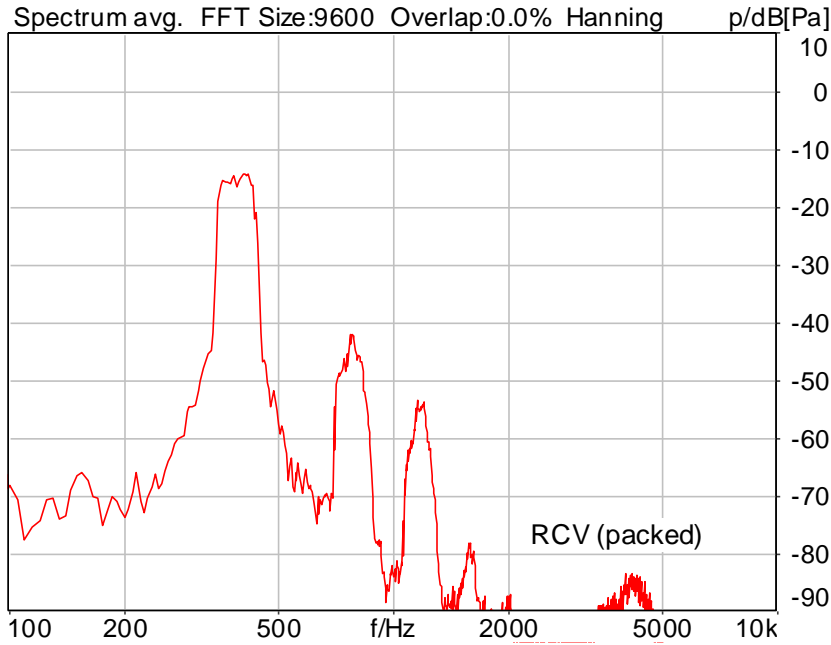
Limits

	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



Distortion (Noise) RCV (packed): 28.65 dB (3.69%) Ok

Ok

2023/10/19 下午 08:23 ACQUA 5.1.200

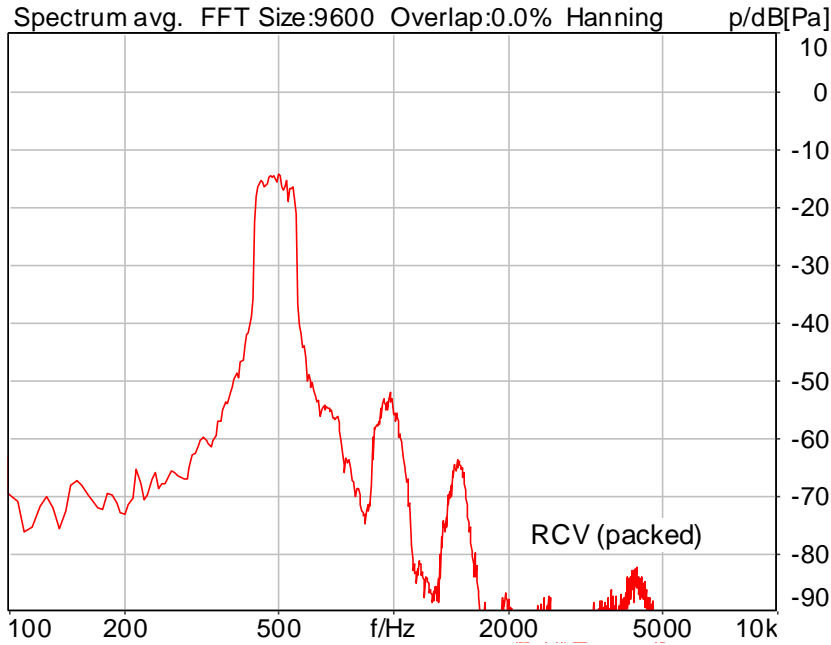
Limits

	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



Distortion (Noise) RCV (packed): 34.47 dB (1.89%) Ok

Ok

2023/10/19 下午 08:24 ACQUA 5.1.200

Limits

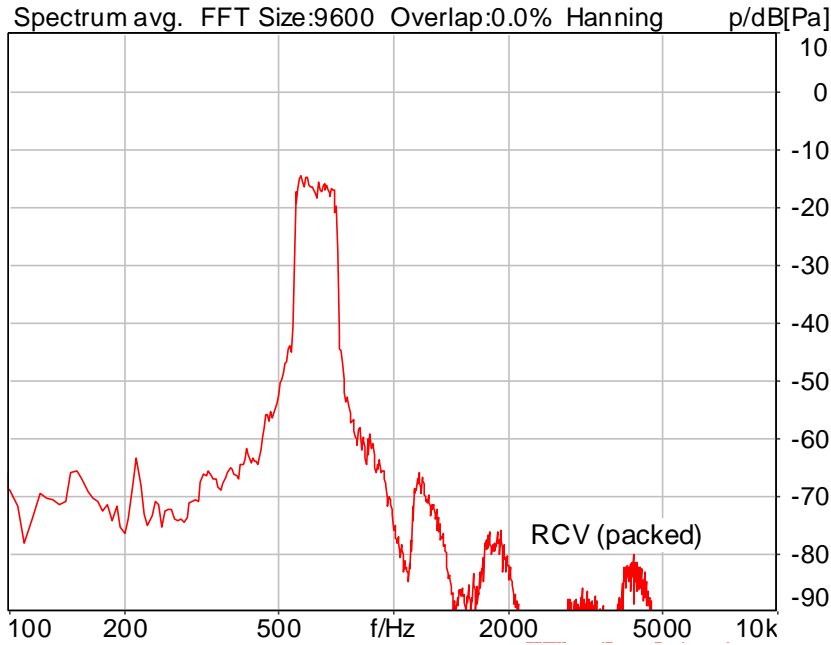
	lower
Run 1	20.00 dB





### 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): 39.24 dB (1.09%) Ok

Ok

2023/10/19 下午 08:24 ACQUA 5.1.200

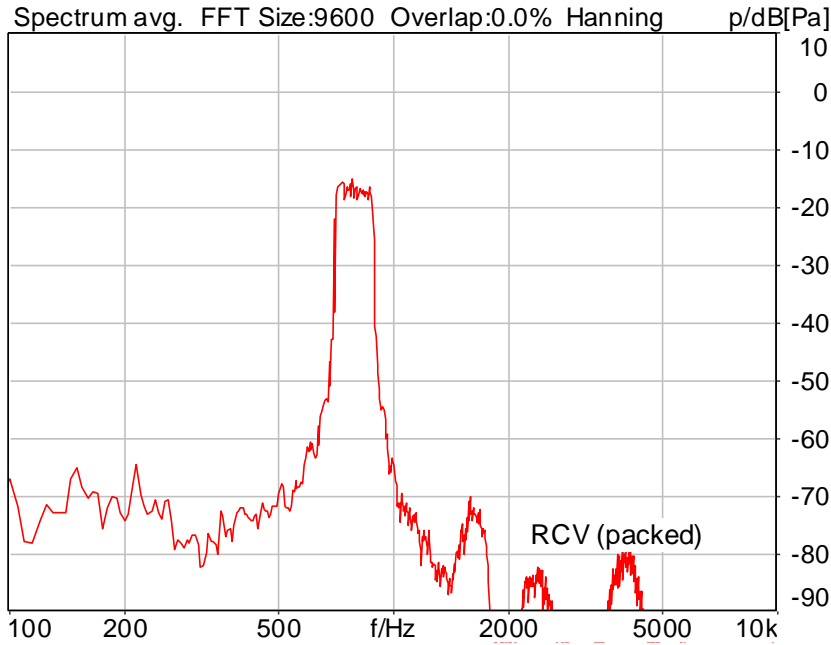
Limits

	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): 41.68 dB (0.82%) Ok

Ok

2023/10/19 下午 08:25 ACQUA 5.1.200

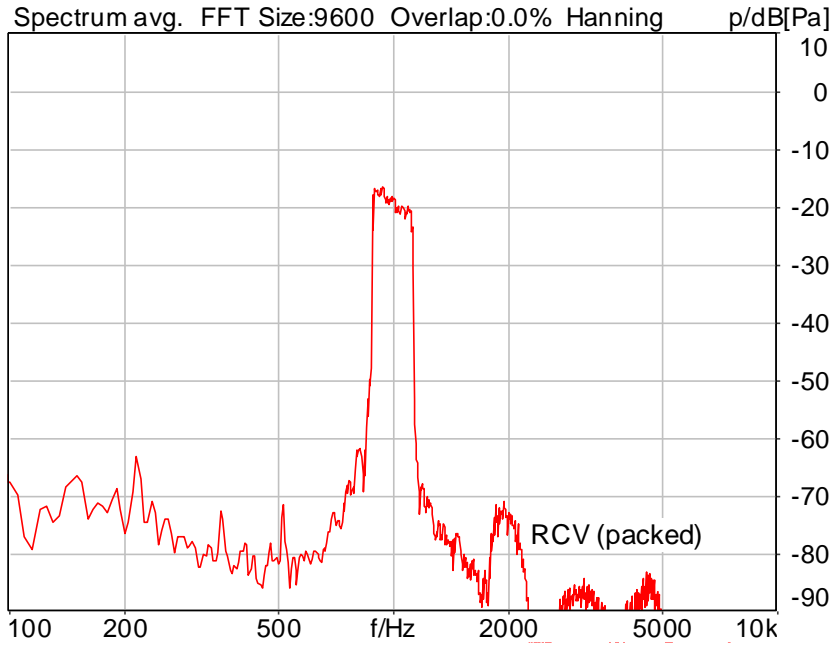
Limits

	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



Distortion (Noise) RCV (packed): 46.13 dB (0.49%) Ok

Ok

2023/10/19 下午 08:25 ACQUA 5.1.200

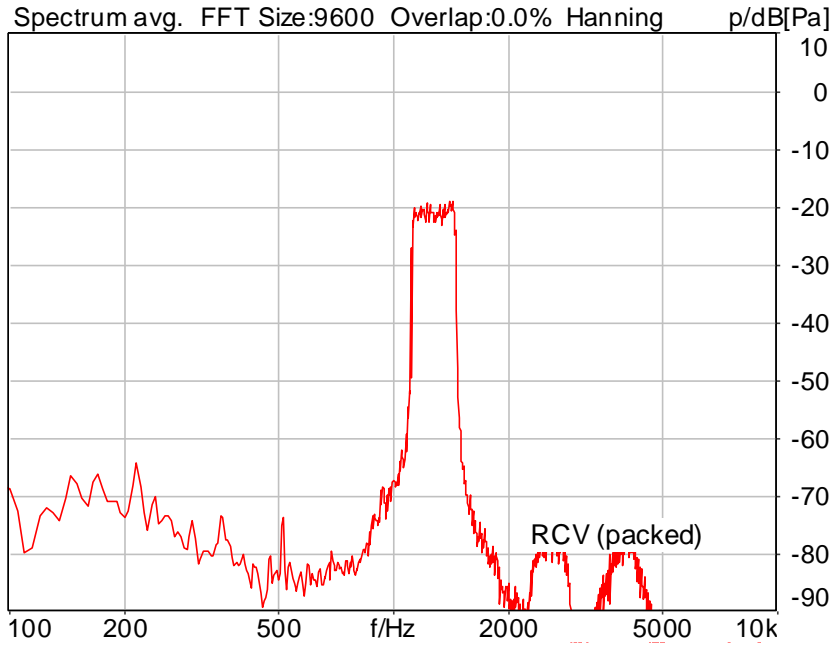
Limits

	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): 33.00 dB (2.24%) Ok

Ok

2023/10/19 下午 08:26 ACQUA 5.1.200

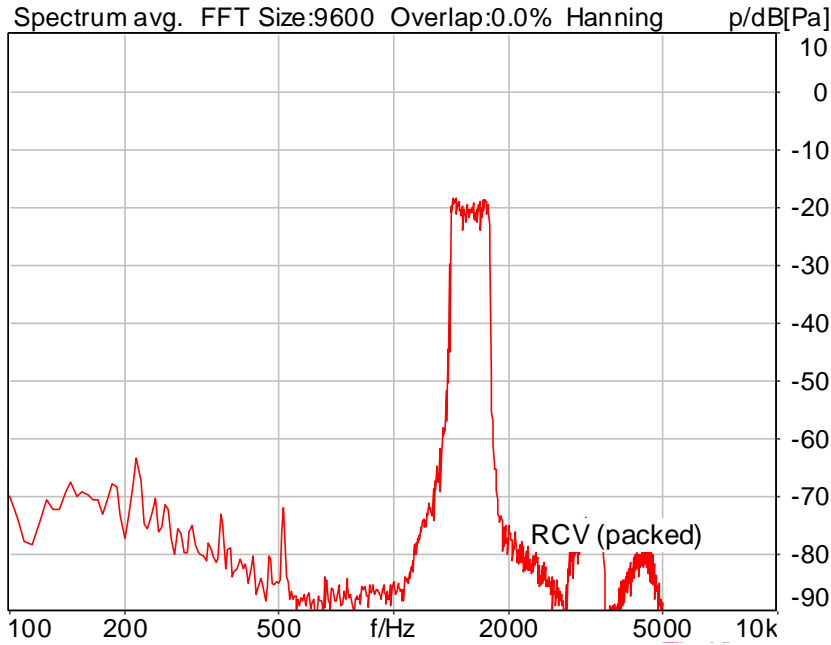
Limits

	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



Distortion (Noise) RCV (packed): 44.21 dB (0.62%) Ok

Ok

2023/10/19 下午 08:26 ACQUA 5.1.200

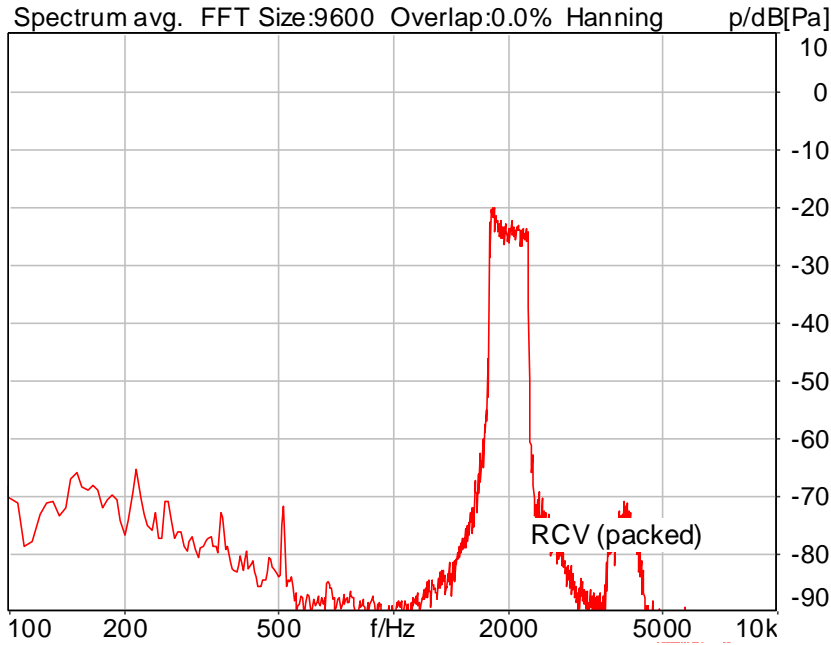
Limits

	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



Distortion (Noise) RCV (packed): 41.14 dB (0.88%) Ok

Ok

2023/10/19 下午 08:27 ACQUA 5.1.200

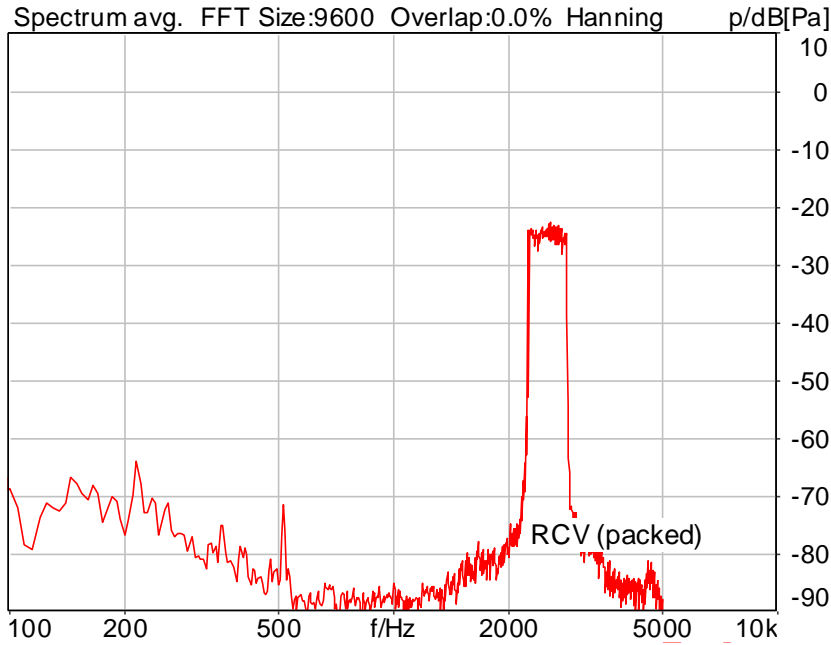
Limits

	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



Distortion (Noise) RCV (packed): 45.95 dB (0.50%) Ok

Ok

2023/10/19 下午 08:27 ACQUA 5.1.200

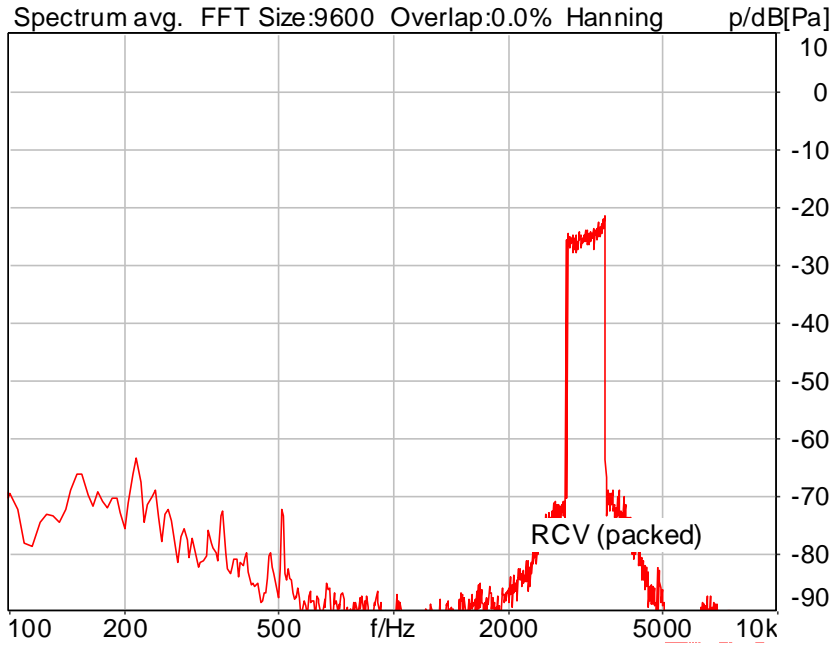
Limits

	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



Distortion (Noise) RCV (packed): 44.75 dB (0.58%) Ok

Ok

2023/10/19 下午 08:28 ACQUA 5.1.200

Limits

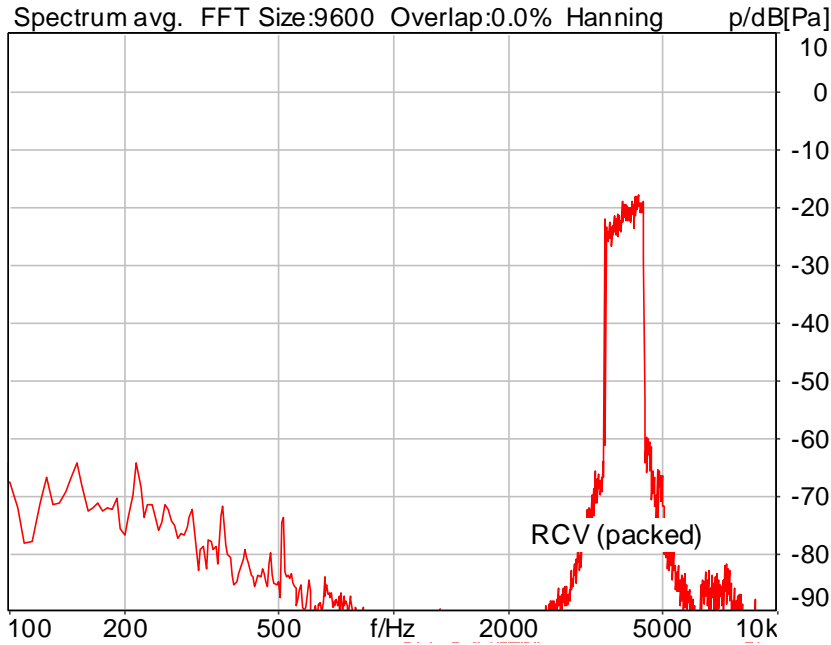
	lower
Run 1	20.00 dB





### 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



Distortion (Noise) RCV (packed): 44.41 dB (0.60%) Ok

Ok

2023/10/19 下午 08:28 ACQUA 5.1.200

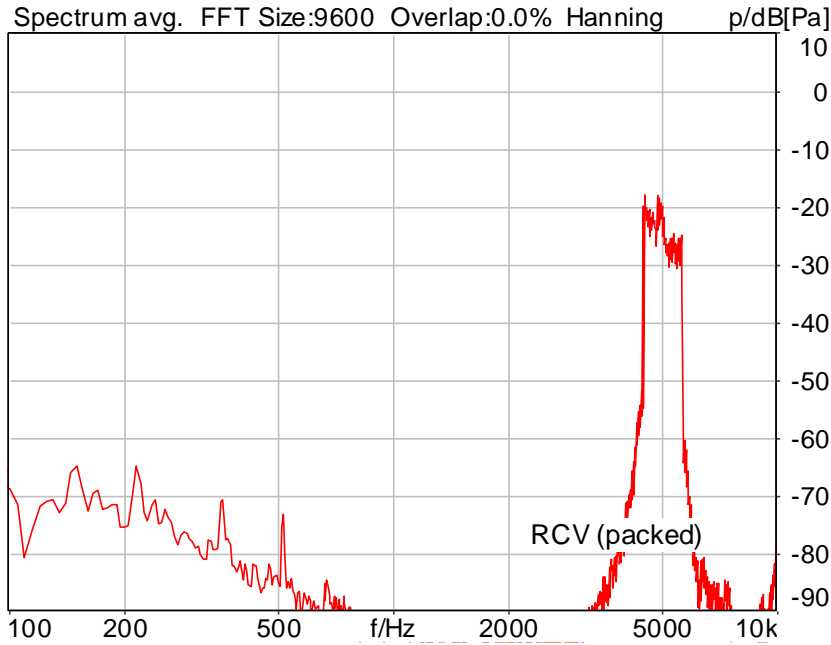
Limits

	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): 39.35 dB (1.08%) Ok

Ok

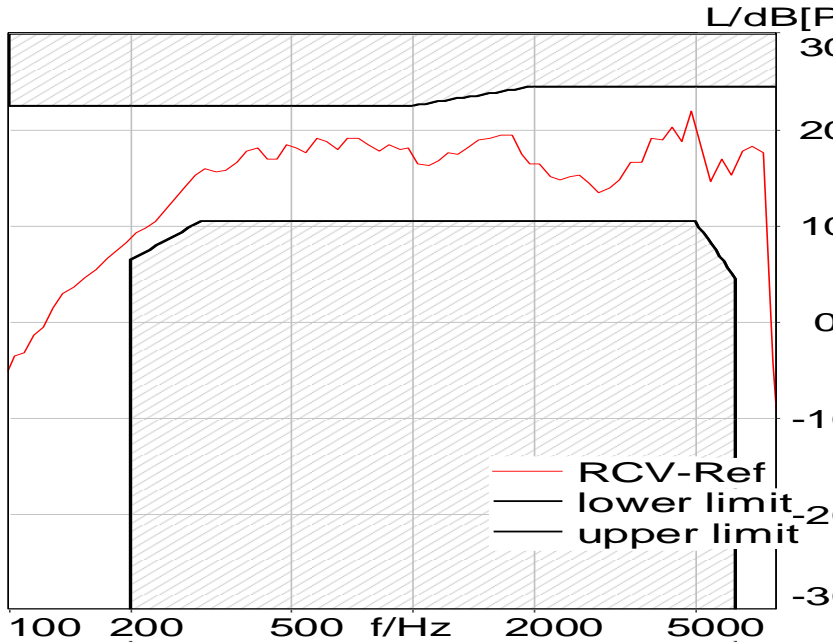
2023/10/19 下午 08:29 ACQUA 5.1.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N FF

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



Absolute minimal distance  
2.48 dB at 4870.0 Hz Ok

Ok

2023/10/19 下午 08:29 ACQUA 5.1.200

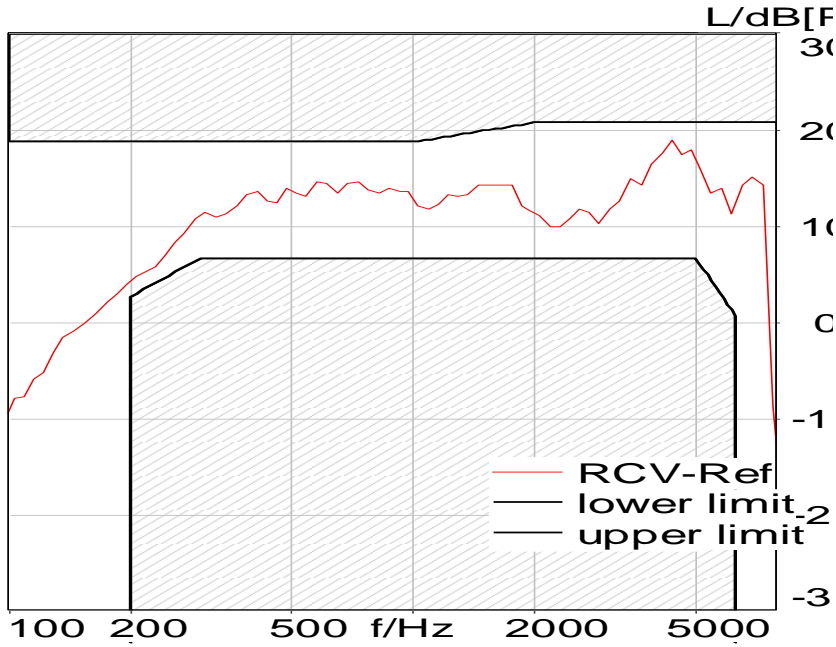
**Limits**

	<b>lower</b>
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N FF

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



Absolute minimal distance  
1.79 dB at 4369.4 Hz Ok

Ok

2023/10/19 下午 08:30 ACQUA 5.1.200

**Limits**

	<b>lower</b>
Run 1	Fit into tolerance