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**Appendix A. Volume Control Evaluation Results**

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



#1 LTE B25 EVS NB 24.4kbps

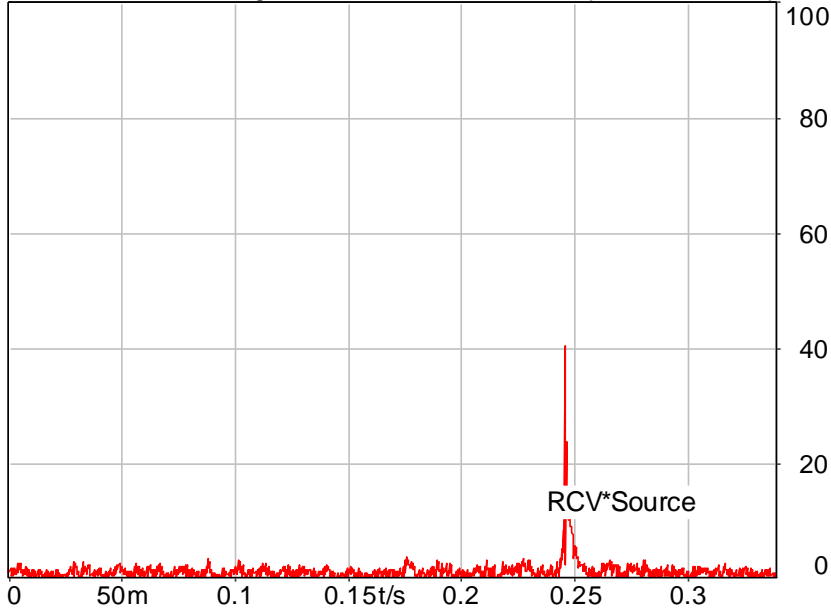
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	245.9
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	90.31
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	93.23
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	37.72
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	40.89
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.89
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.61
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.62
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.80
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	48.81
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.86
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.38
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.63
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	37.77
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	40.92
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.91
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.61
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.56
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.92
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	48.76
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.90
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.41
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.58
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 3657.5 Hz	2.46
5.3 Frequency Response 2N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 3657.5 Hz	2.22



### Overall Receive Delay NB

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

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



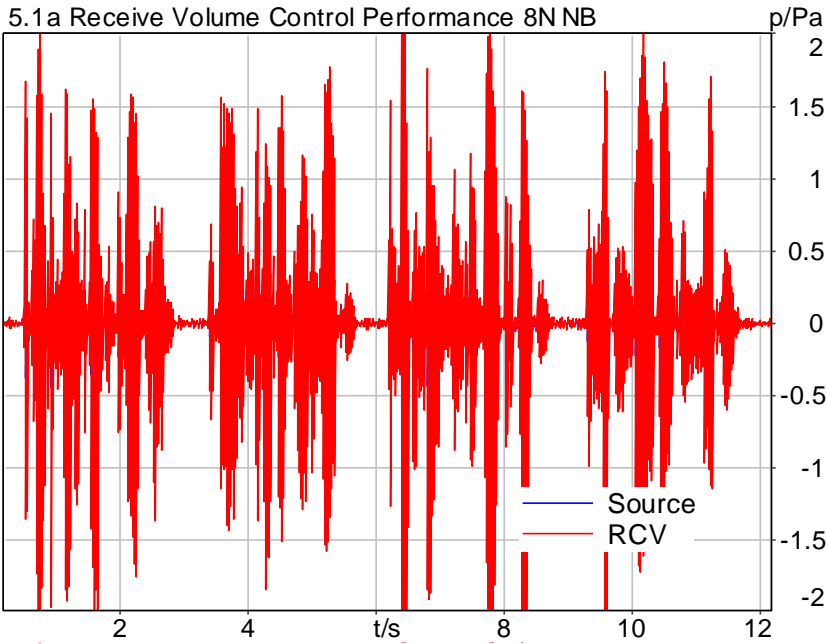
Channel	Delay
RCV*Source	245.9 ms

2024/4/2 下午 04:24 ACQUA 6.0.200



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

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



Channel	Speech level	Activity	
RCV	90.31 dB[SPL]	13.90%	Ok

Ok

2024/4/2 下午 04:24 ACQUA 6.0.200

**Limits**

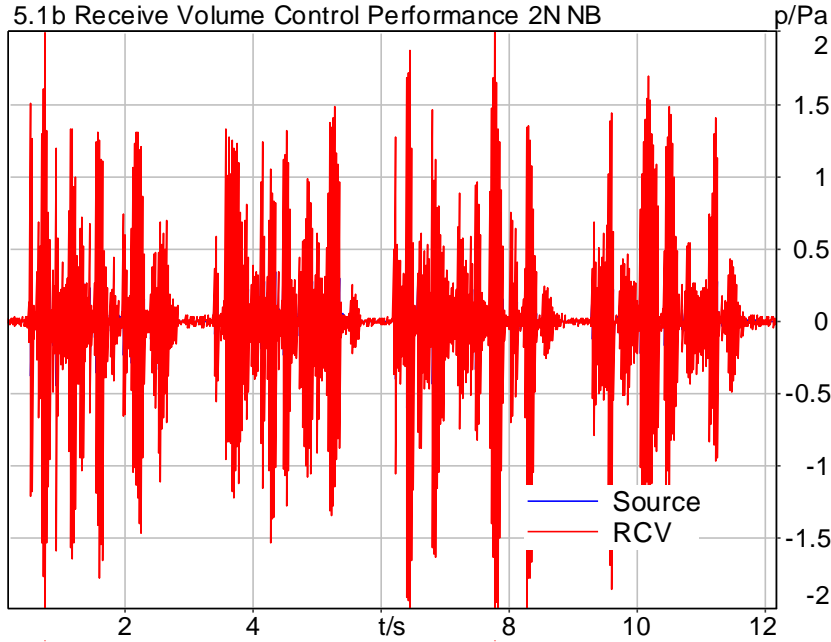
	lower
Run 1	88.00 dB20uPa



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

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

5.1b Receive Volume Control Performance 2N NB



Channel	Speech level	Activity	
RCV	93.23 dB[SPL]	4.78%	Ok

Ok

2024/4/2 下午 04:25 ACQUA 6.0.200

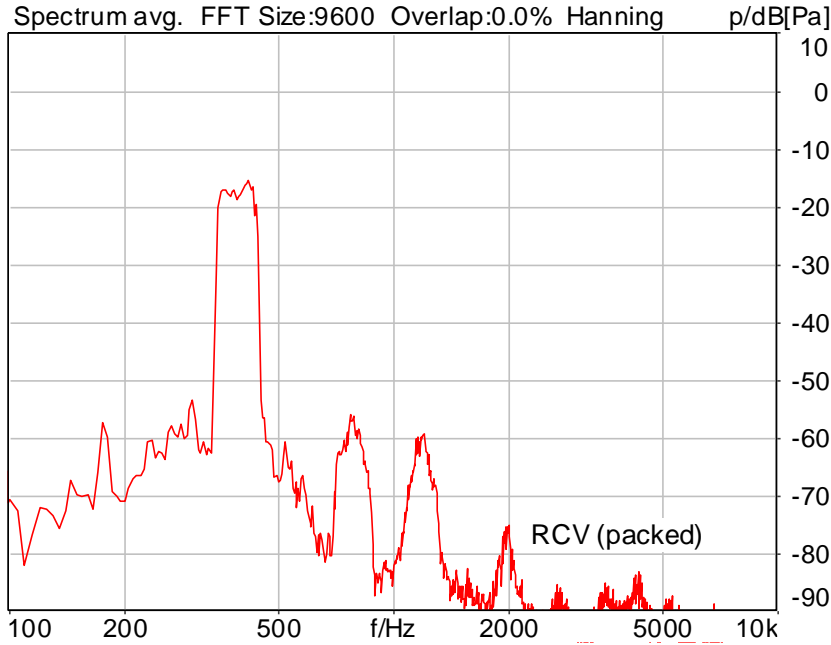
**Limits**

	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): 37.72 dB (1.30%) Ok

Ok

2024/2/22 下午 12:44 ACQUA 5.1.200

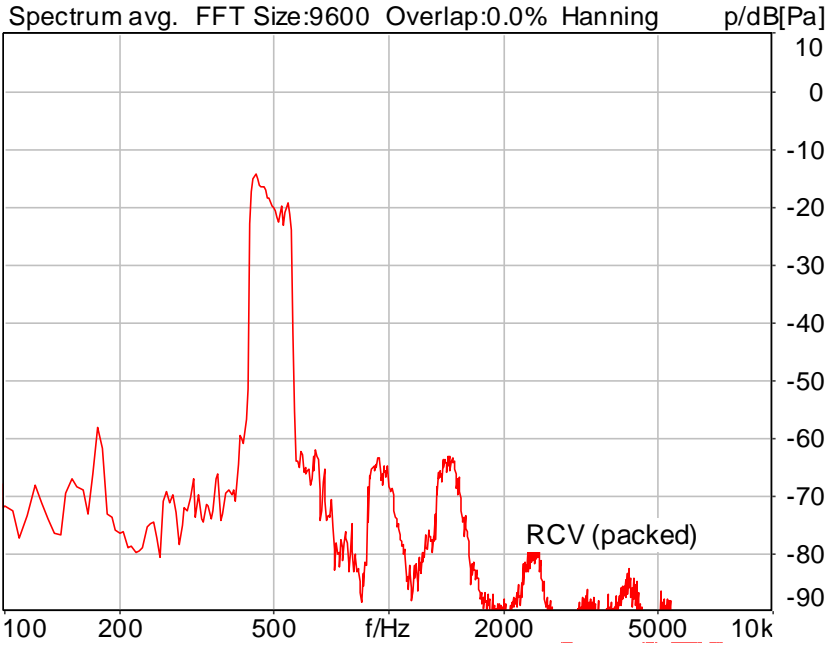
Limits

	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): 40.89 dB (0.90%) Ok

Ok

2024/2/22 下午 12:45 ACQUA 5.1.200

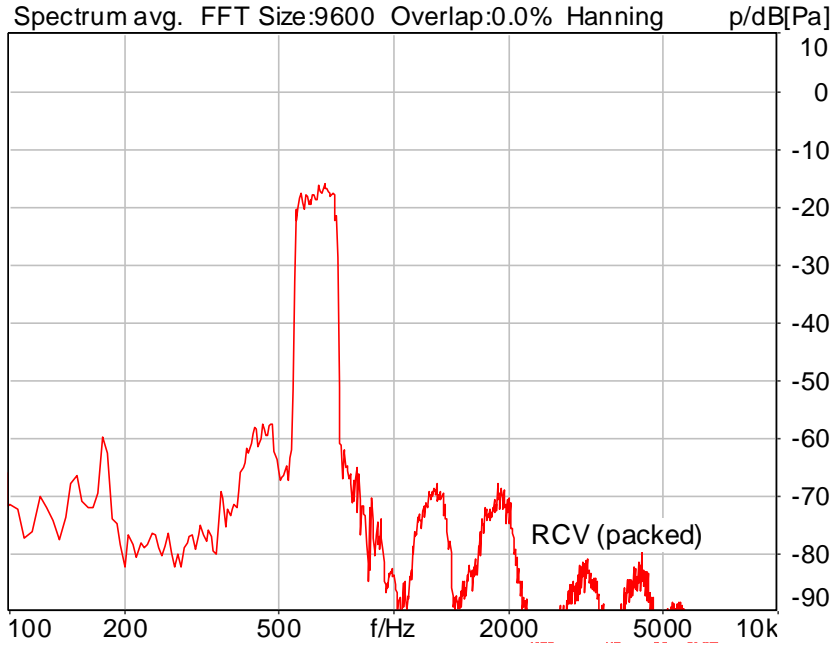
Limits

	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 8N change frequency range



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

Ok

2024/2/22 下午 12:45 ACQUA 5.1.200

Limits

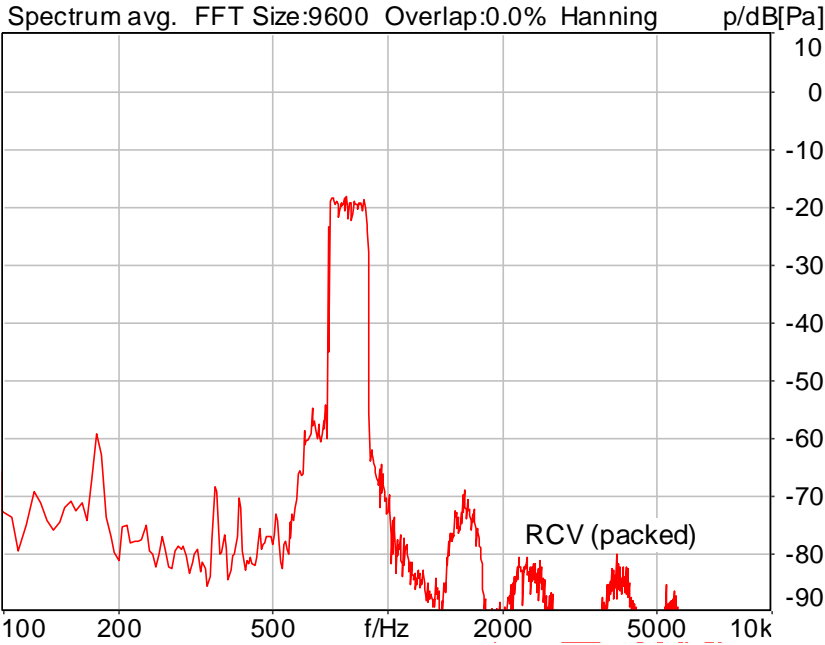
	lower
Run 1	20.00 dB





### 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): 42.61 dB (0.74%) Ok

Ok

2024/2/22 下午 12:46 ACQUA 5.1.200

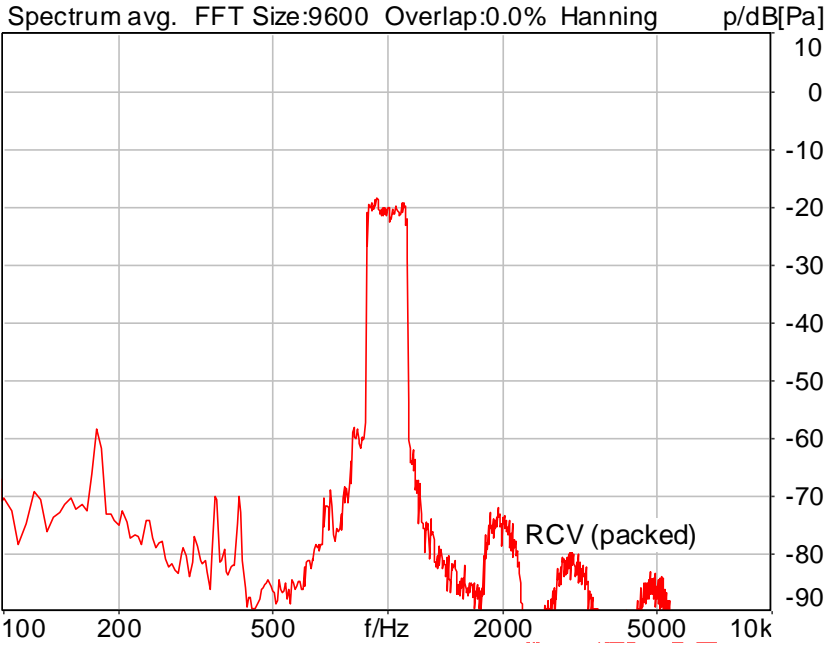
Limits

	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 8N change frequency range



Distortion (Noise) RCV (packed): 43.62 dB (0.66%) Ok

Ok

2024/2/22 下午 12:46 ACQUA 5.1.200

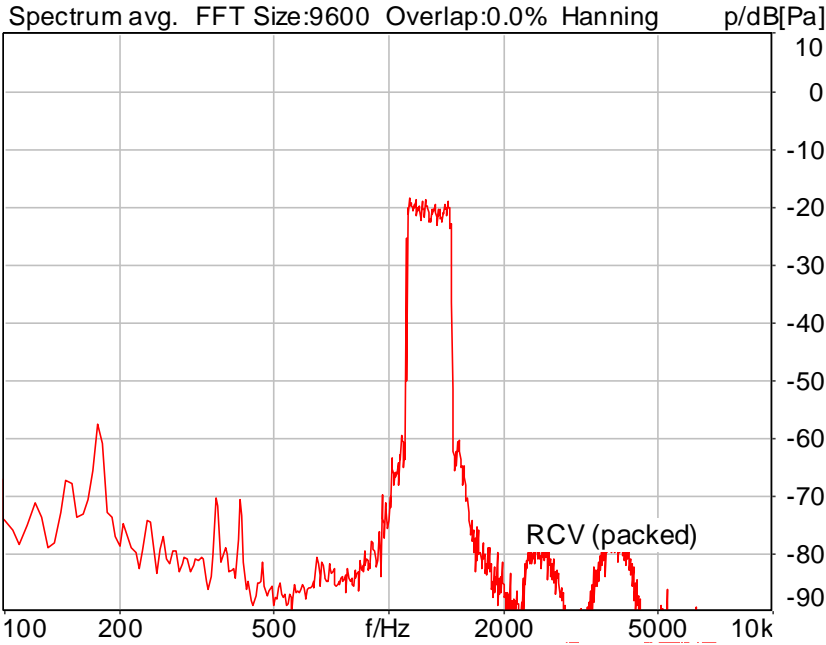
Limits

	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): 32.80 dB (2.29%) Ok

Ok

2024/2/22 下午 12:47 ACQUA 5.1.200

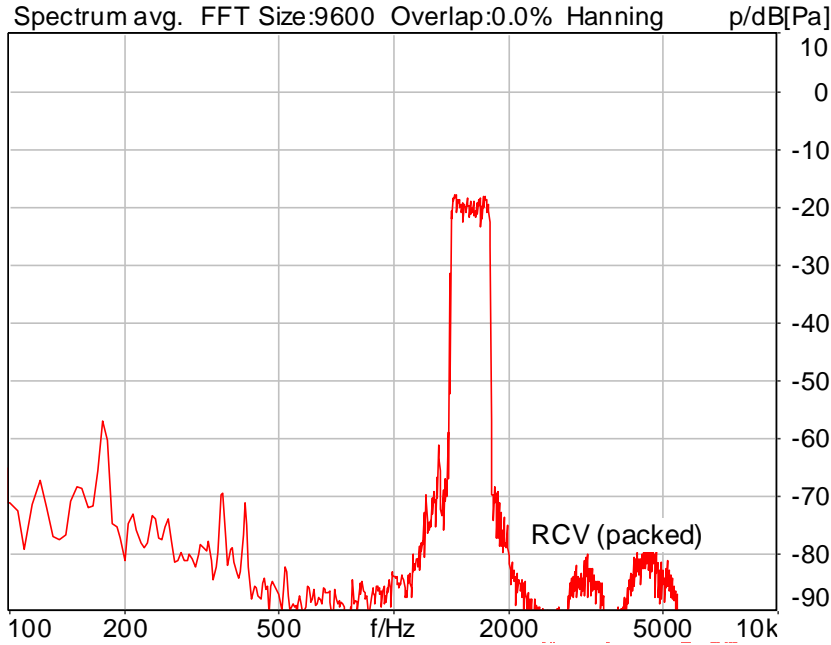
Limits

	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 8N change frequency range



Distortion (Noise) RCV (packed): 48.81 dB (0.36%) Ok

Ok

2024/2/22 下午 12:47 ACQUA 5.1.200

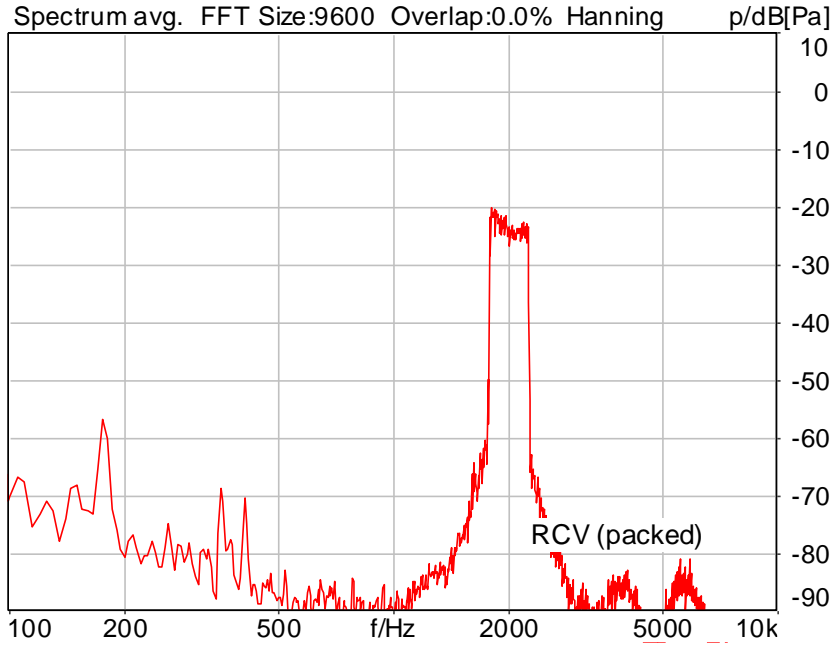
Limits

	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): 42.86 dB (0.72%) Ok

Ok

2024/2/22 下午 12:48 ACQUA 5.1.200

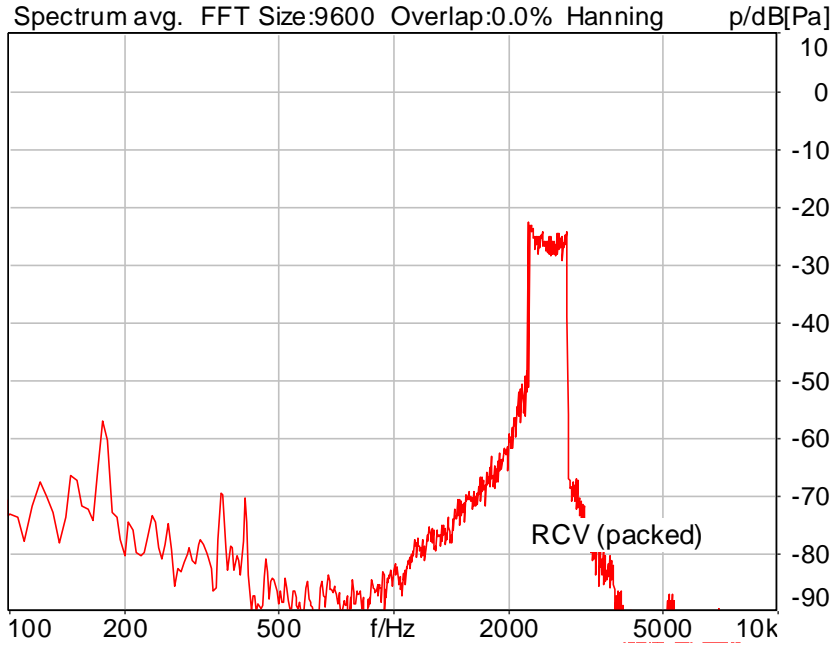
Limits

	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 8N change frequency range



Distortion (Noise) RCV (packed): 31.38 dB (2.70%) Ok

Ok

2024/2/22 下午 12:48 ACQUA 5.1.200

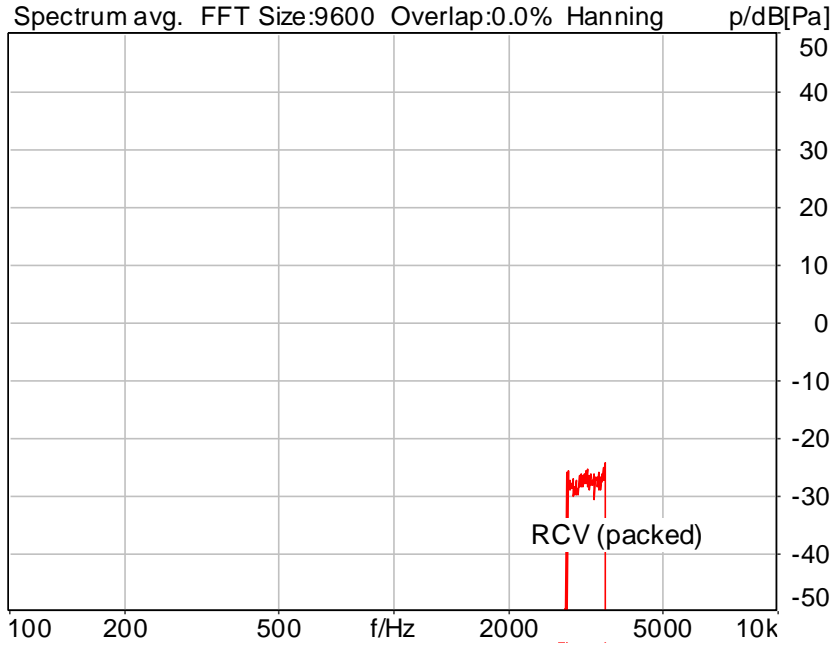
Limits

	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 8N change frequency range



Distortion (Noise) RCV (packed): 32.63 dB (2.34%) Ok

Ok

2024/2/22 下午 12:48 ACQUA 5.1.200

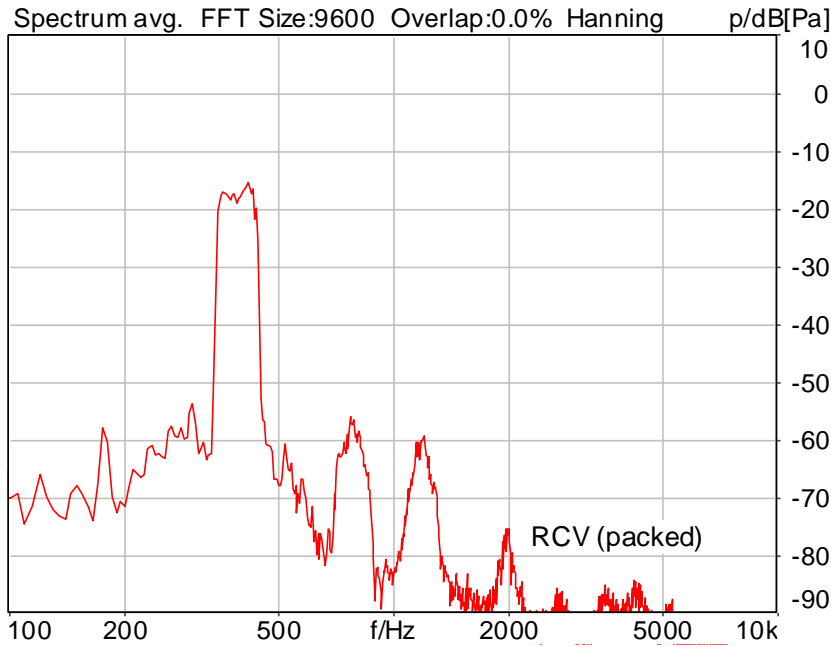
Limits

	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): 37.77 dB (1.29%) Ok

Ok

2024/2/22 下午 12:50 ACQUA 5.1.200

Limits

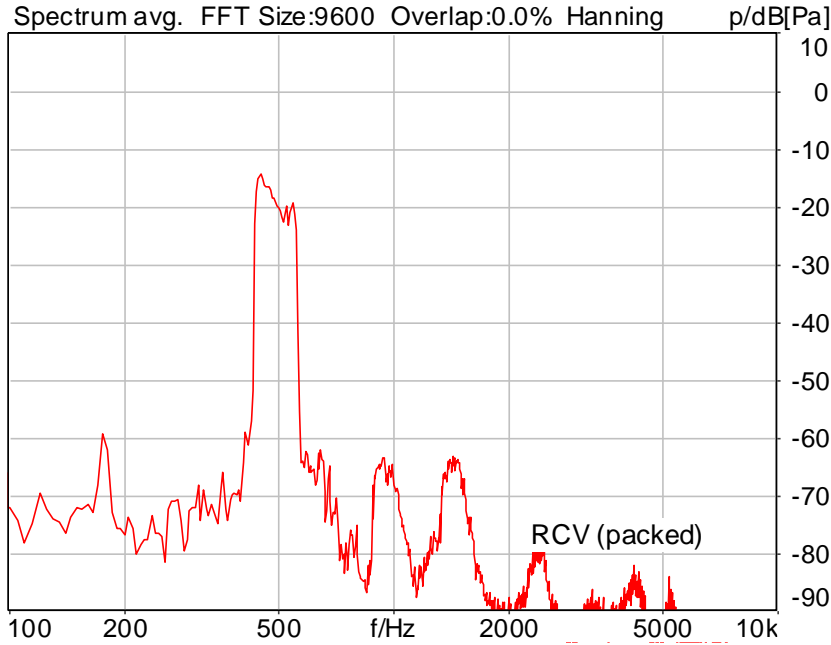
	lower
Run 1	20.00 dB





### 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): 40.92 dB (0.90%) Ok

Ok

2024/2/22 下午 12:50 ACQUA 5.1.200

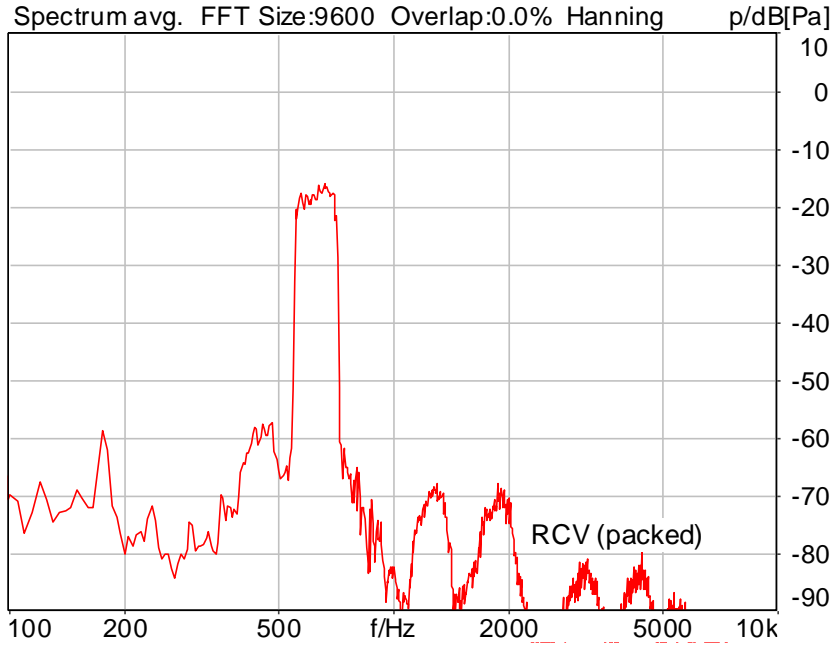
Limits

	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): 42.91 dB (0.72%) Ok

Ok

2024/2/22 下午 12:51 ACQUA 5.1.200

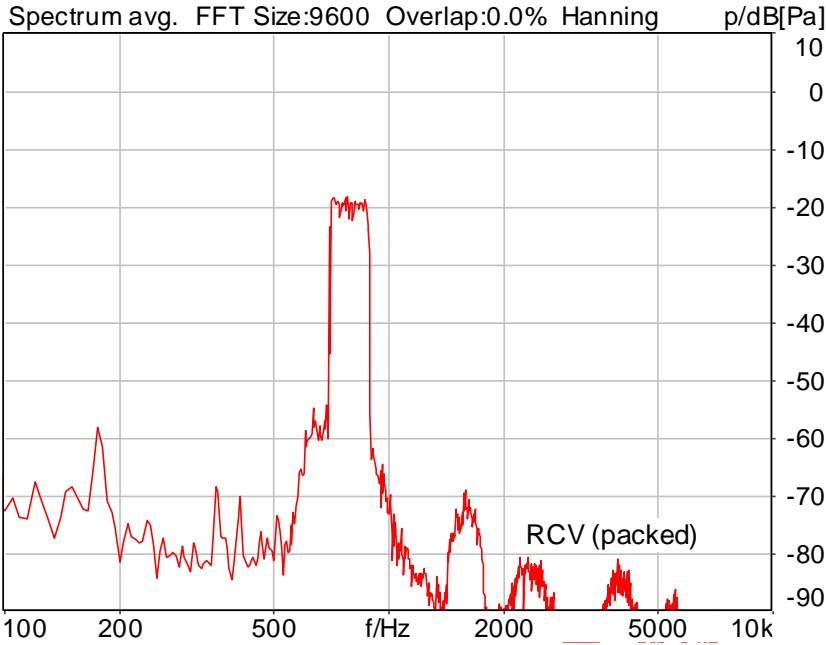
Limits

	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): 42.61 dB (0.74%) Ok

Ok

2024/2/22 下午 12:51 ACQUA 5.1.200

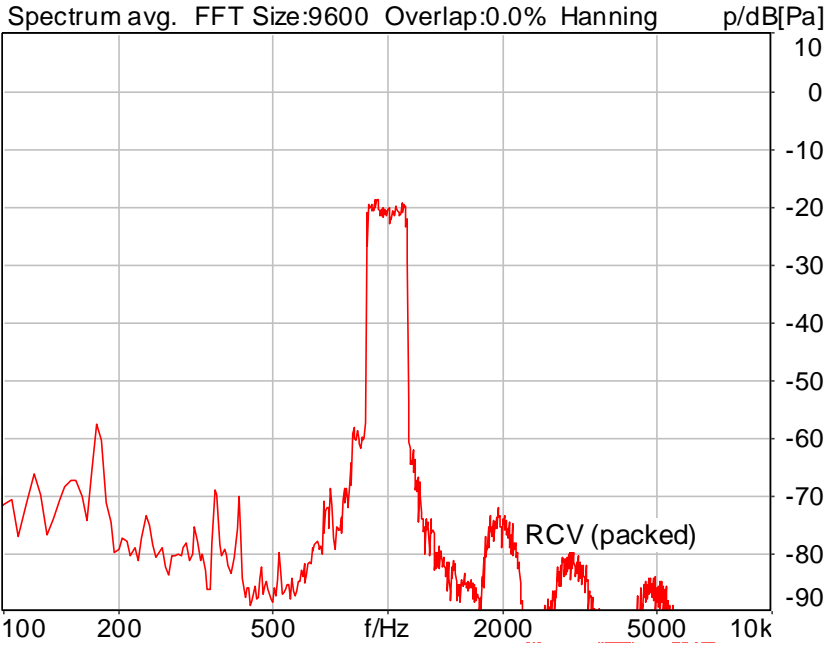
Limits

	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): 43.56 dB (0.66%) Ok

Ok

2024/2/22 下午 12:52 ACQUA 5.1.200

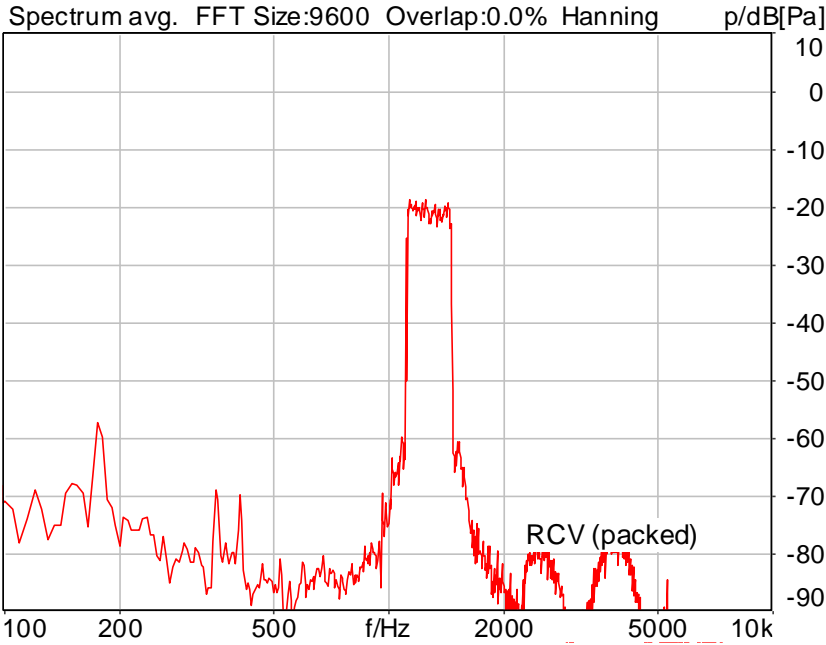
Limits

	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): 32.92 dB (2.26%) Ok

Ok

2024/2/22 下午 12:52 ACQUA 5.1.200

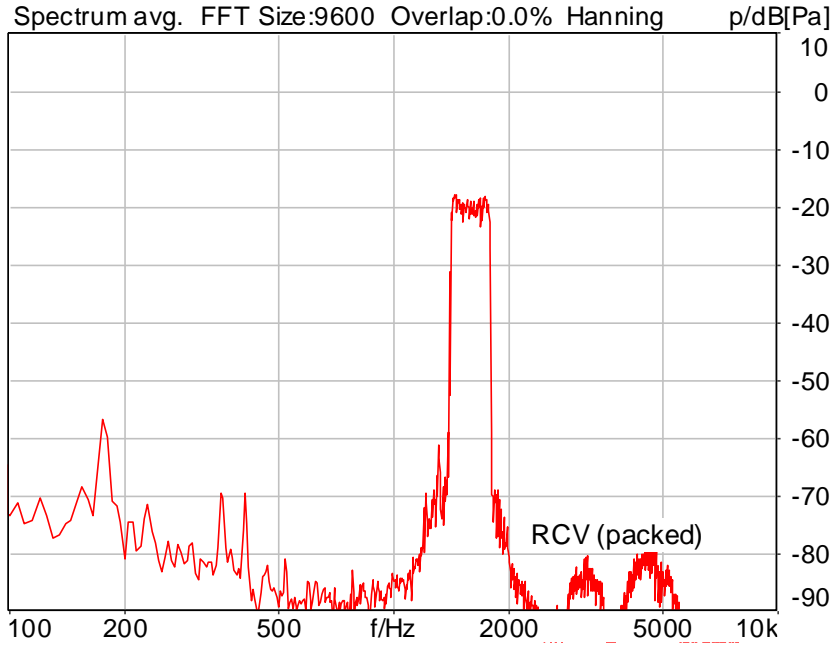
Limits

	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): 48.76 dB (0.36%) Ok

Ok

2024/2/22 下午 12:52 ACQUA 5.1.200

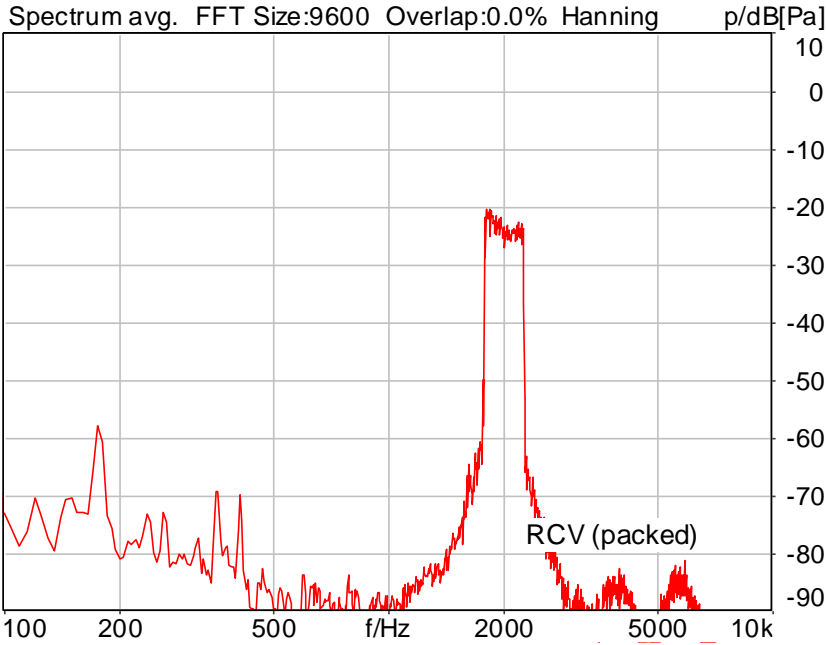
Limits

	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): 42.90 dB (0.72%) Ok

Ok

2024/2/22 下午 12:53 ACQUA 5.1.200

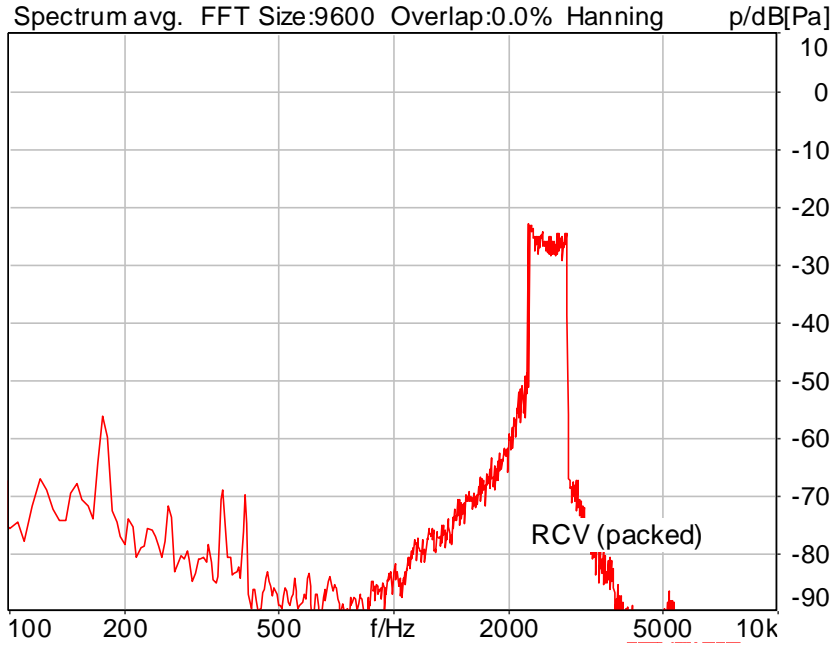
Limits

	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): 31.41 dB (2.69%) Ok

Ok

2024/2/22 下午 12:53 ACQUA 5.1.200

Limits

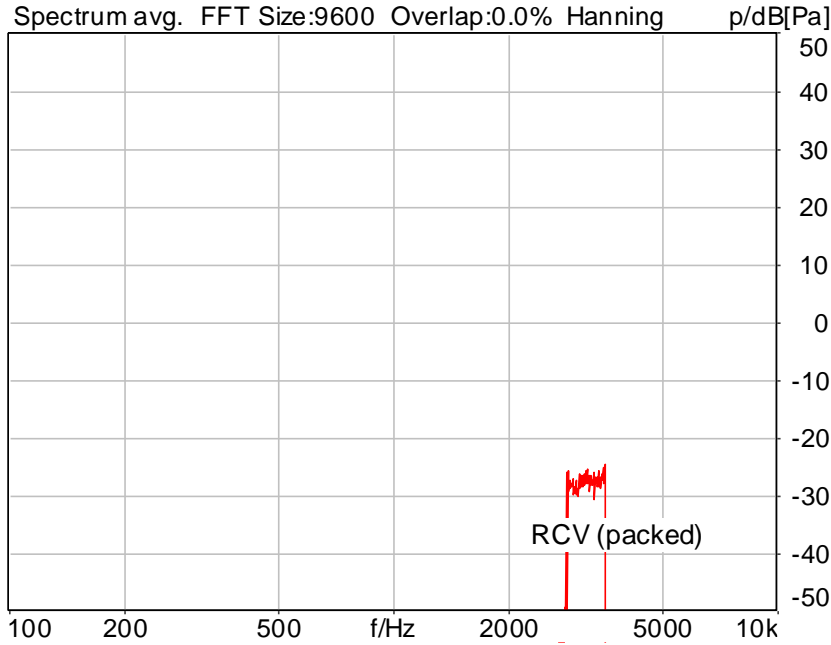
	lower
Run 1	20.00 dB





### 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): 32.58 dB (2.35%) Ok

Ok

2024/2/22 下午 12:54 ACQUA 5.1.200

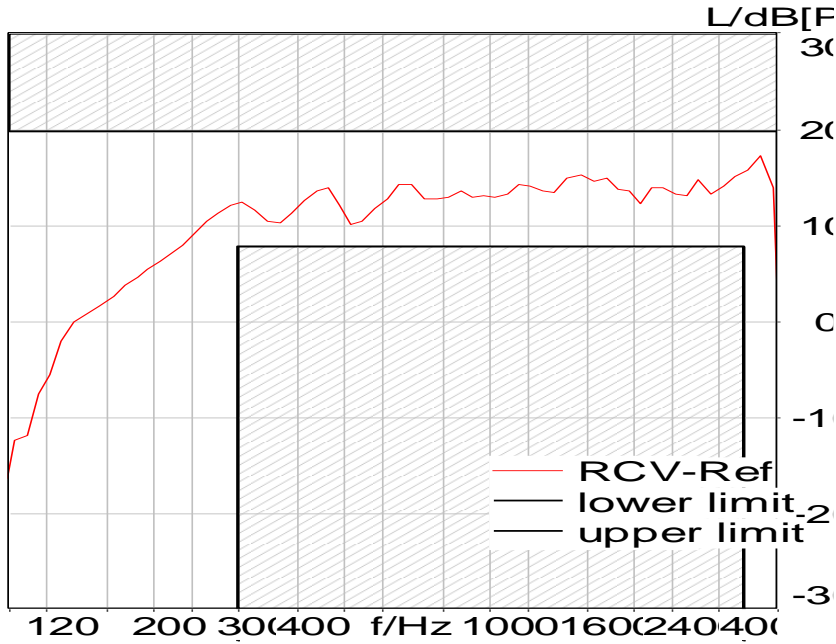
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance  
2.46 dB at 3657.5 Hz Ok

Ok

2024/2/22 下午 12:55 ACQUA 5.1.200

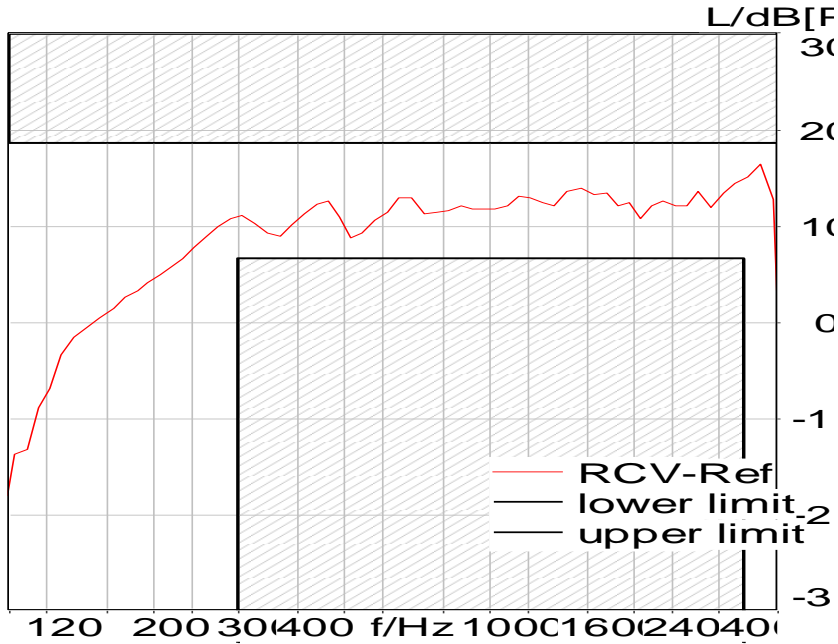
**Limits**

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



### 5.3 Frequency Response 2N DF HANB

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



Absolute minimal distance  
2.22 dB at 3657.5 Hz Ok

Ok

2024/2/22 下午 12:57 ACQUA 5.1.200

**Limits**

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



#2 NR n48 EVS NB 24.4kbps

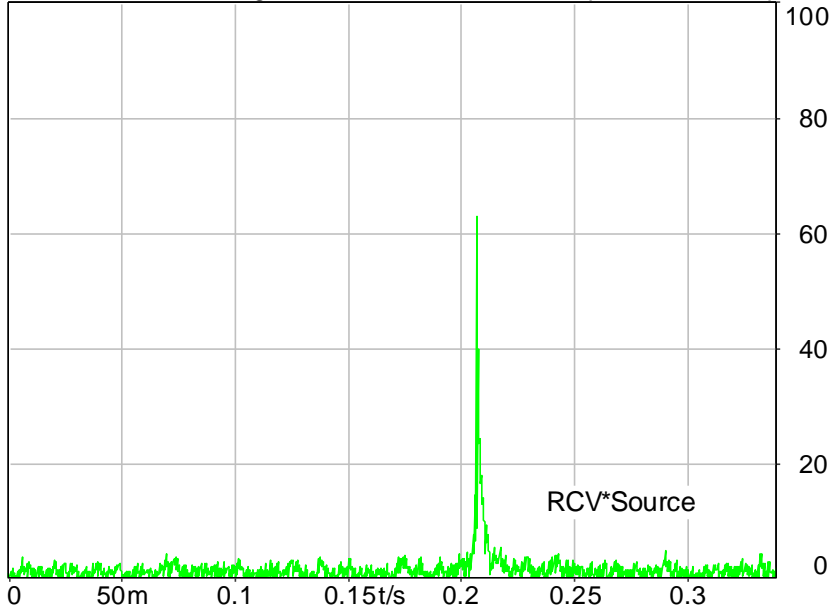
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	207.0
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	89.02
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	93.15
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	37.87
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	37.88
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	39.61
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	39.32
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	44.16
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.77
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.17
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.42
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.60
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.89
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	37.85
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	37.76
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	39.39
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	39.16
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	44.01
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.23
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	42.04
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.14
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	44.10
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	44.52
5.3 Frequency Response 8N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 1547.5 Hz	2.57
5.3 Frequency Response 2N DF HANB	Ok	Min. dist. to tolerance scheme [dB], 514.4 Hz	2.38



### Overall Receive Delay NB

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

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



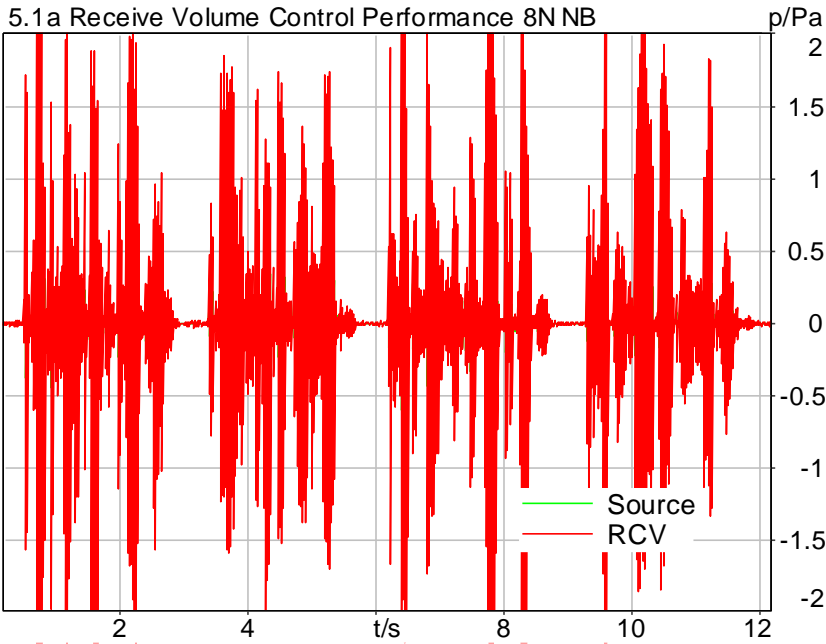
Channel	Delay
RCV*Source	207.0 ms

2024/3/21 下午 09:26 ACQUA 6.0.200



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

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



Channel	Speech level	Activity	
RCV	89.02 dB[SPL]	24.93%	Ok

Ok

2024/3/21 下午 09:29 ACQUA 6.0.200

Limits

	lower
Run 1	88.00 dB20uPa

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

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

5.1b Receive Volume Control Performance 2N NB



Channel	Speech level	Activity	
RCV	93.15 dB[SPL]	4.83%	Ok

Ok

2024/3/21 下午 09:32 ACQUA 6.0.200

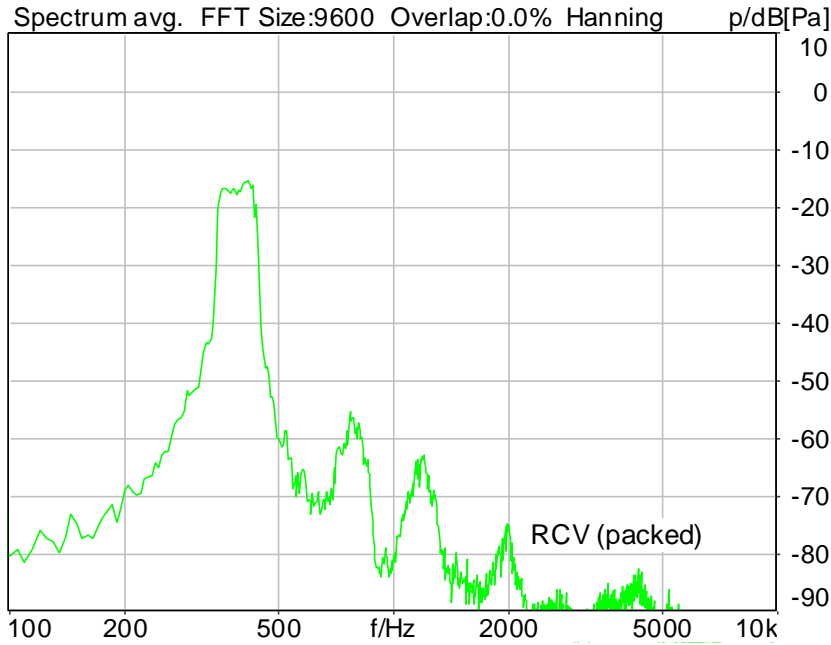
**Limits**

	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): 37.87 dB (1.28%) Ok

Ok

2024/3/21 下午 09:17 ACQUA 6.0.200

Limits

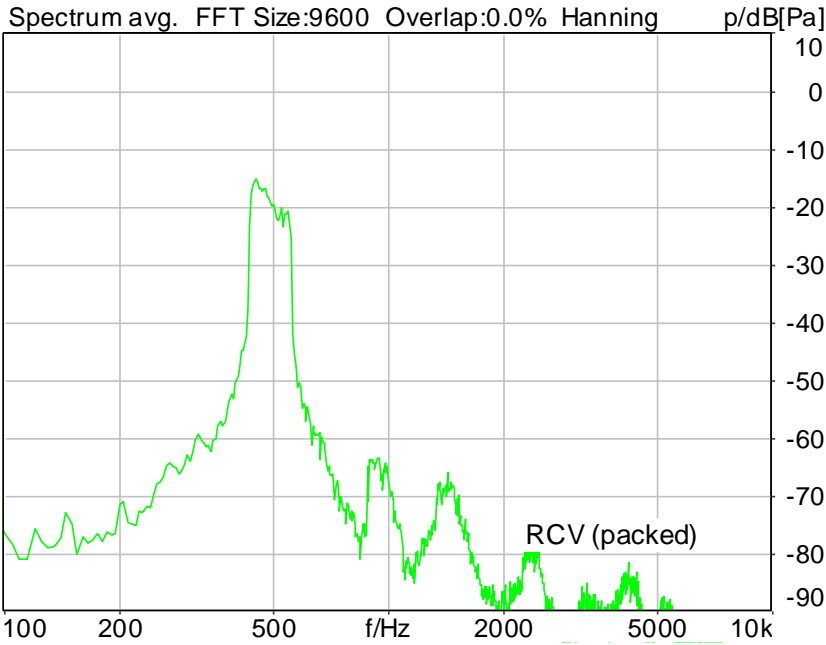
	lower
Run 1	20.00 dB





### 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): 37.88 dB (1.28%) Ok

Ok

2024/3/21 下午 09:17 ACQUA 6.0.200

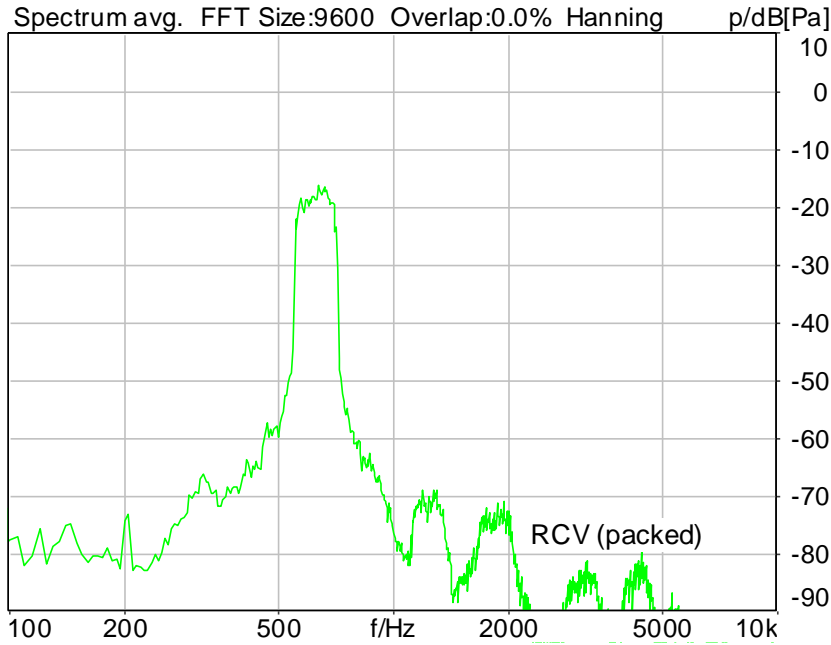
Limits

	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): 39.61 dB (1.05%) Ok

Ok

2024/3/21 下午 09:18 ACQUA 6.0.200

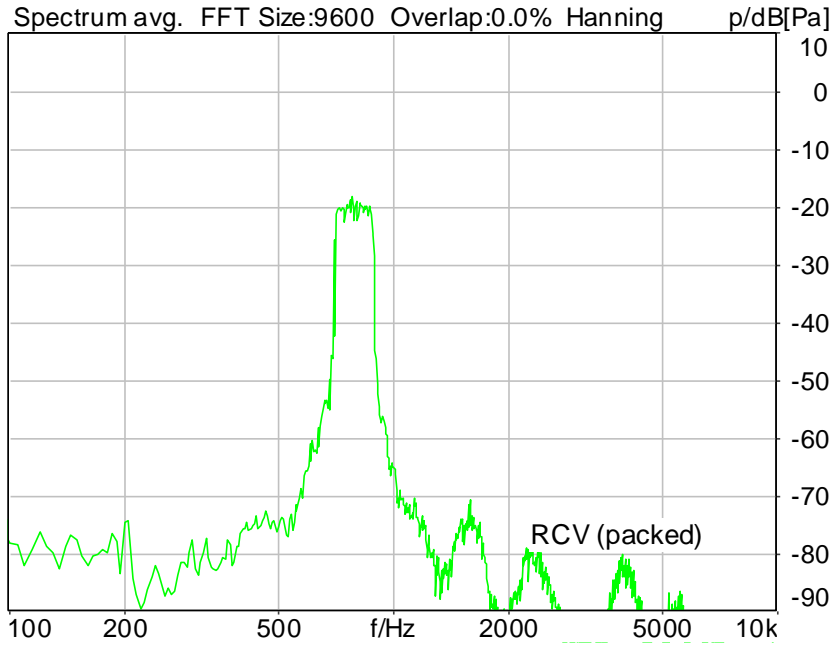
Limits

	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): 39.32 dB (1.08%) Ok

Ok

2024/3/21 下午 09:18 ACQUA 6.0.200

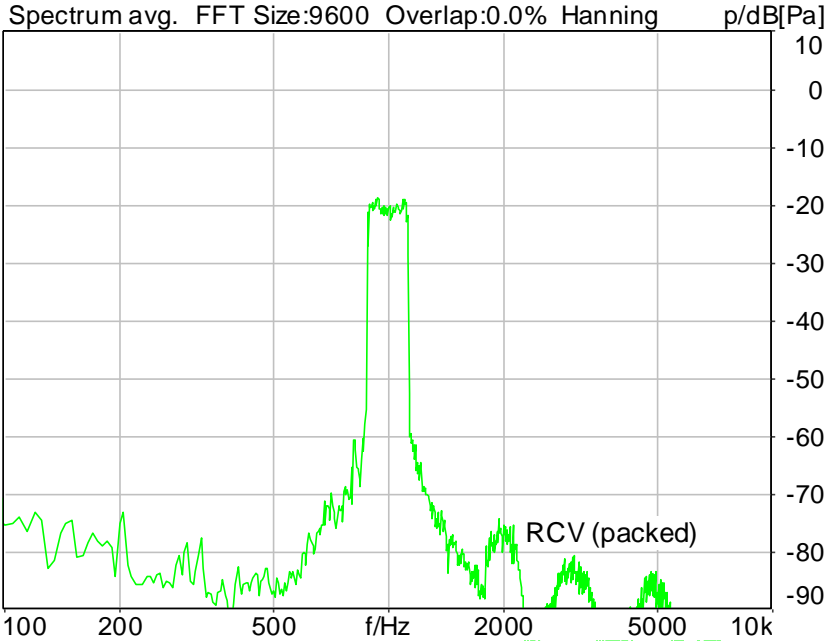
Limits

	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): 44.16 dB (0.62%) Ok

Ok

2024/3/21 下午 09:19 ACQUA 6.0.200

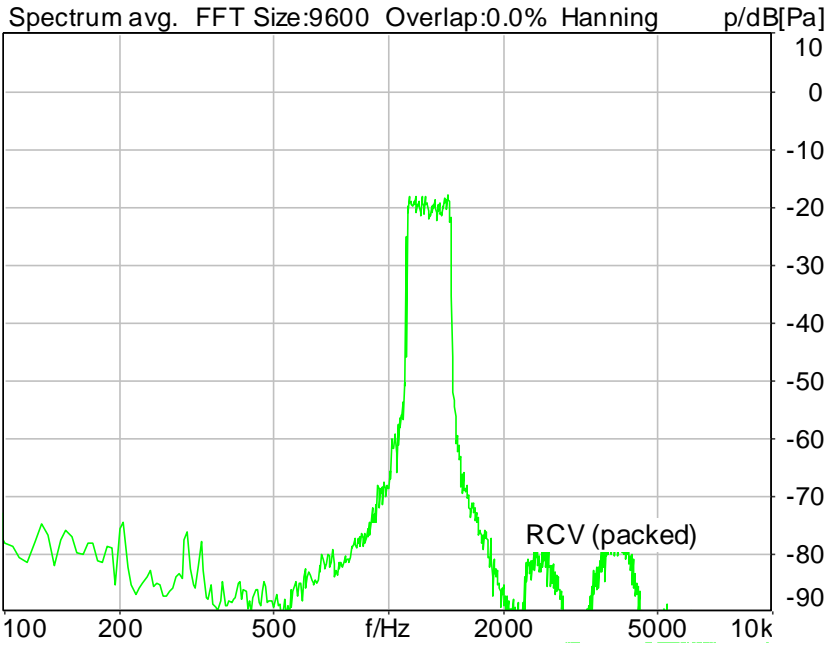
Limits

	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): 31.77 dB (2.58%) Ok

Ok

2024/3/21 下午 09:19 ACQUA 6.0.200

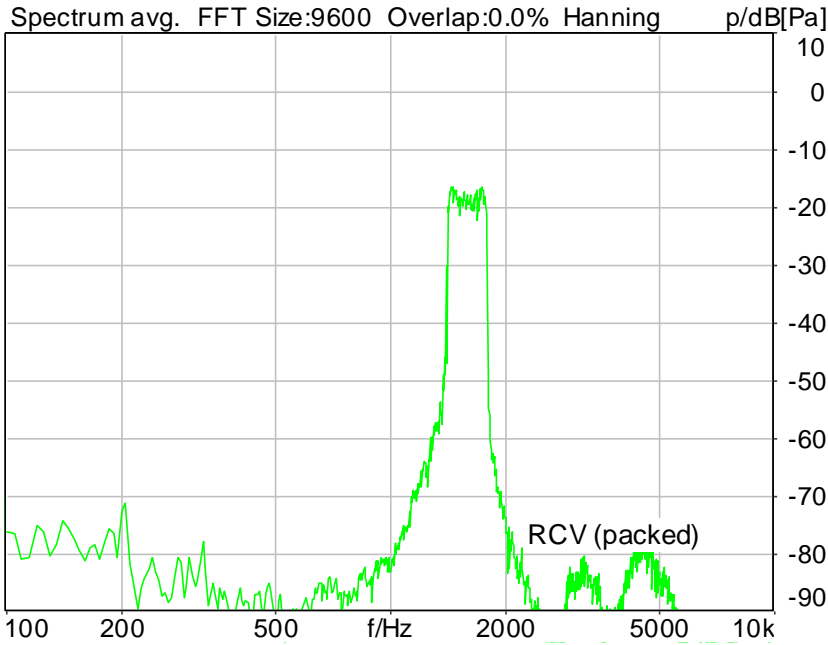
Limits

	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): 42.17 dB (0.78%) Ok

Ok

2024/3/21 下午 09:20 ACQUA 6.0.200

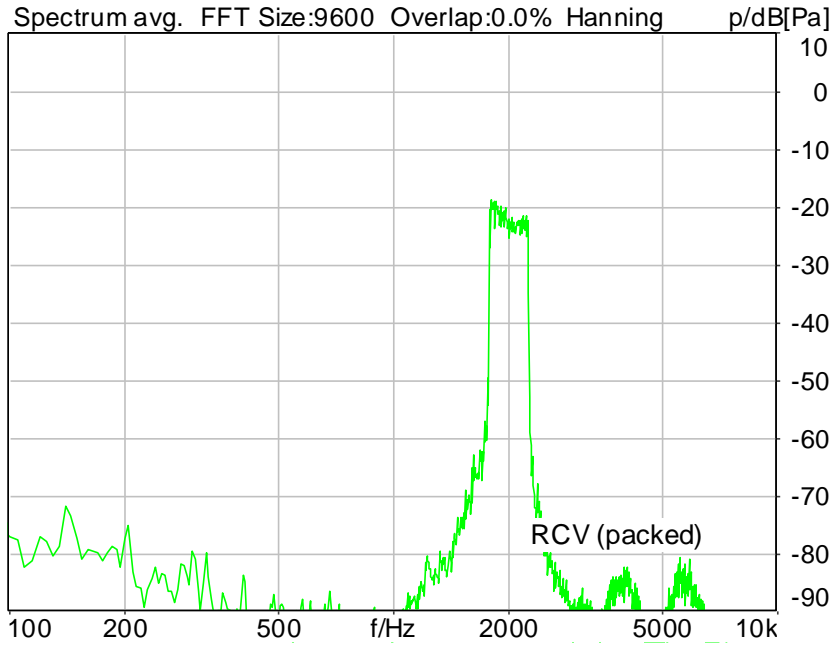
Limits

	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): 43.42 dB (0.67%) Ok

Ok

2024/3/21 下午 09:20 ACQUA 6.0.200

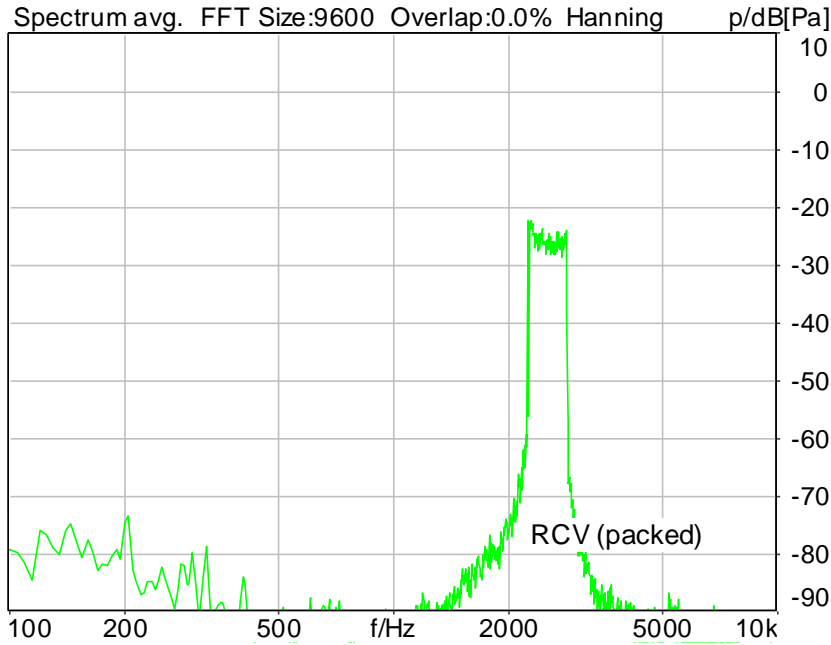
Limits

	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): 43.60 dB (0.66%) Ok

Ok

2024/3/21 下午 09:21 ACQUA 6.0.200

Limits

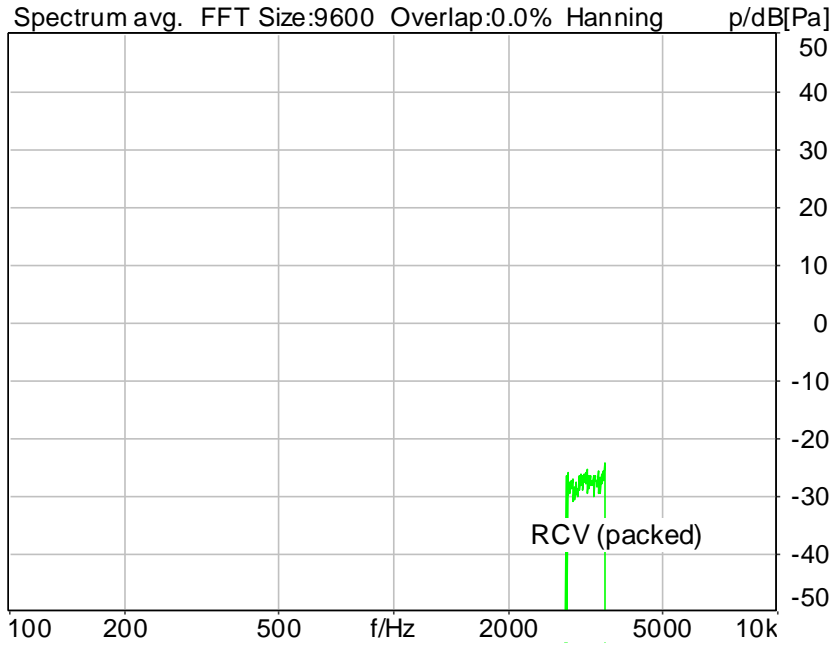
	lower
Run 1	20.00 dB





### 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): 42.89 dB (0.72%) Ok

Ok

2024/3/21 下午 09:21 ACQUA 6.0.200

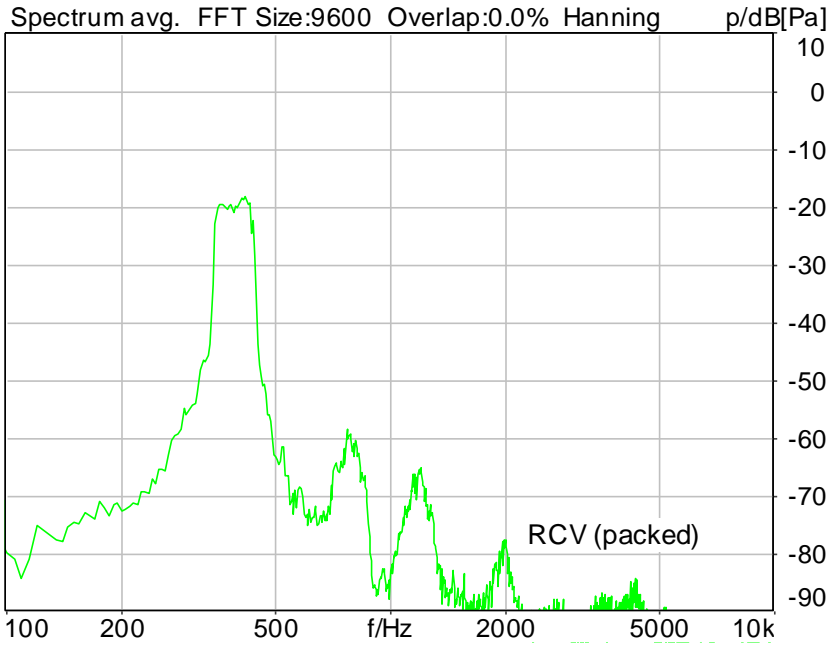
Limits

	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): 37.85 dB (1.28%) Ok

Ok

2024/3/21 下午 09:32 ACQUA 6.0.200

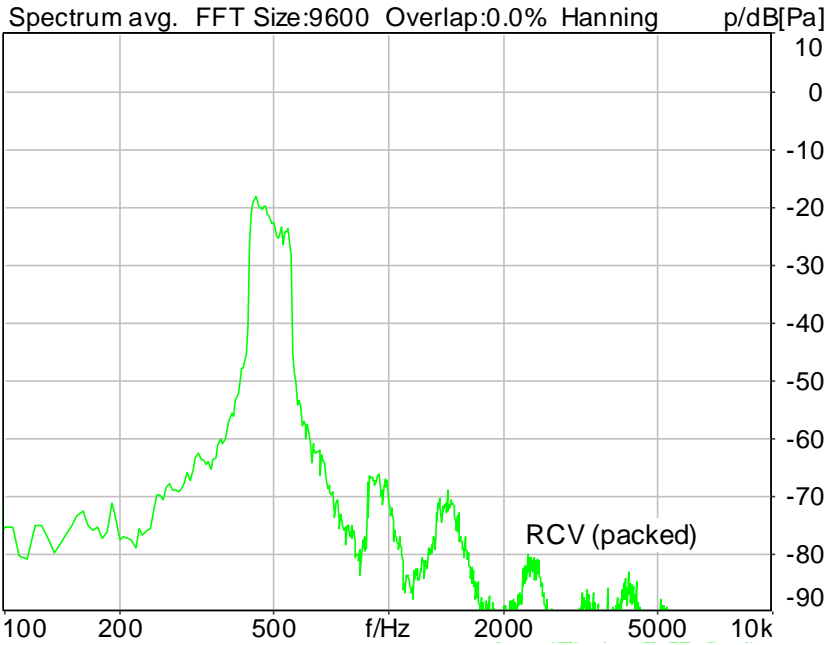
Limits

	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): 37.76 dB (1.29%) Ok

Ok

2024/3/21 下午 09:33 ACQUA 6.0.200

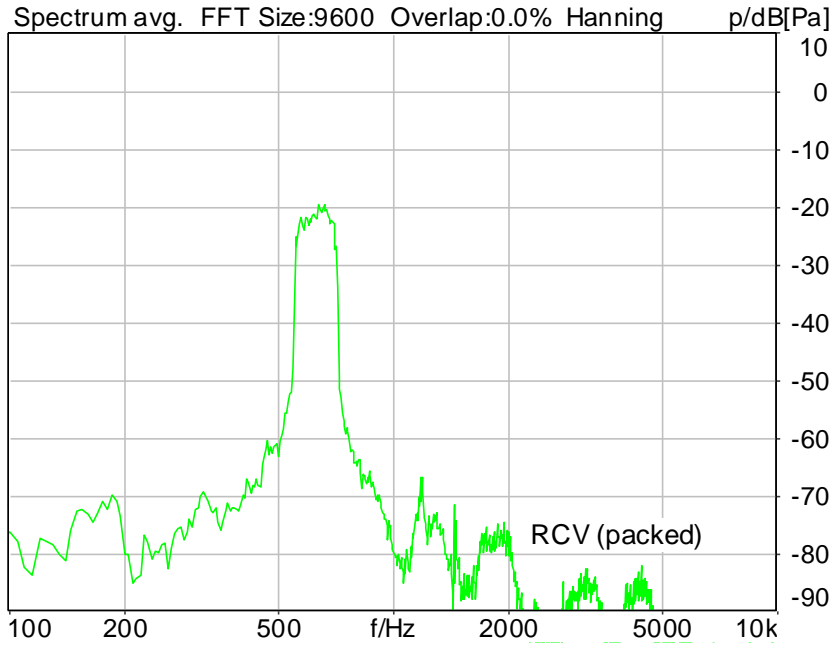
Limits

	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): 39.39 dB (1.07%) Ok

Ok

2024/3/21 下午 09:33 ACQUA 6.0.200

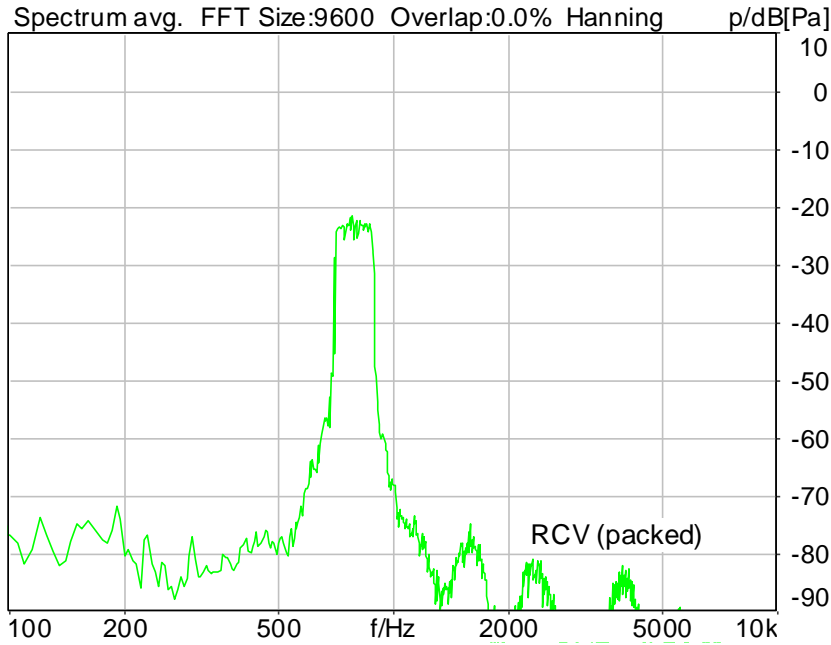
Limits

	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): 39.16 dB (1.10%) Ok

Ok

2024/3/21 下午 09:34 ACQUA 6.0.200

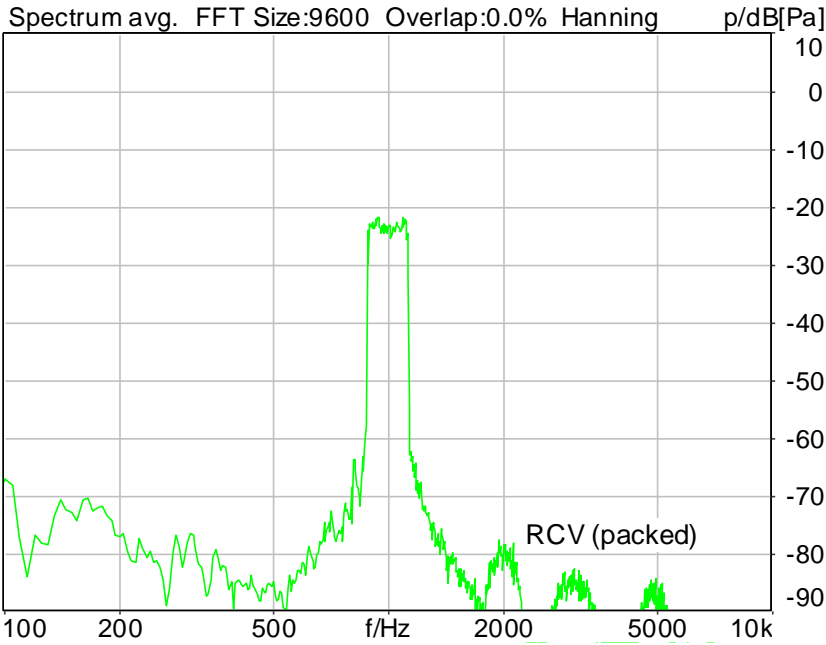
Limits

	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): 44.01 dB (0.63%) Ok

Ok

2024/3/21 下午 09:34 ACQUA 6.0.200

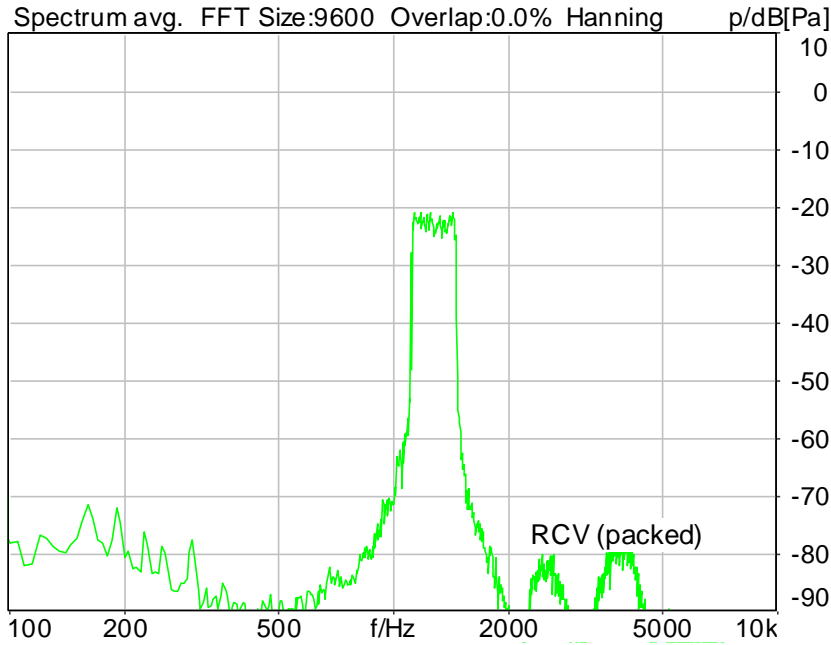
Limits

	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): 32.23 dB (2.45%) Ok

Ok

2024/3/21 下午 09:35 ACQUA 6.0.200

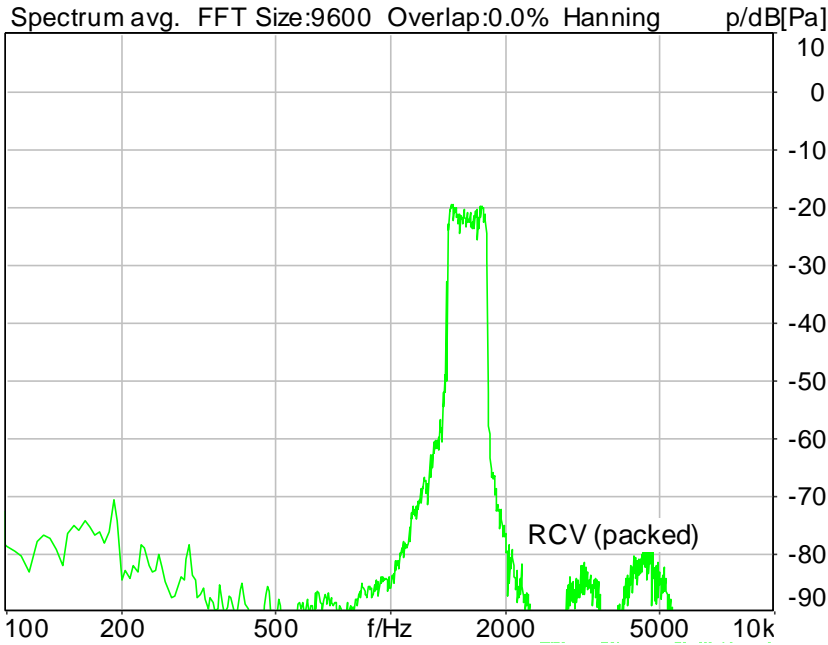
Limits

	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): 42.04 dB (0.79%) Ok

Ok

2024/3/21 下午 09:35 ACQUA 6.0.200

Limits

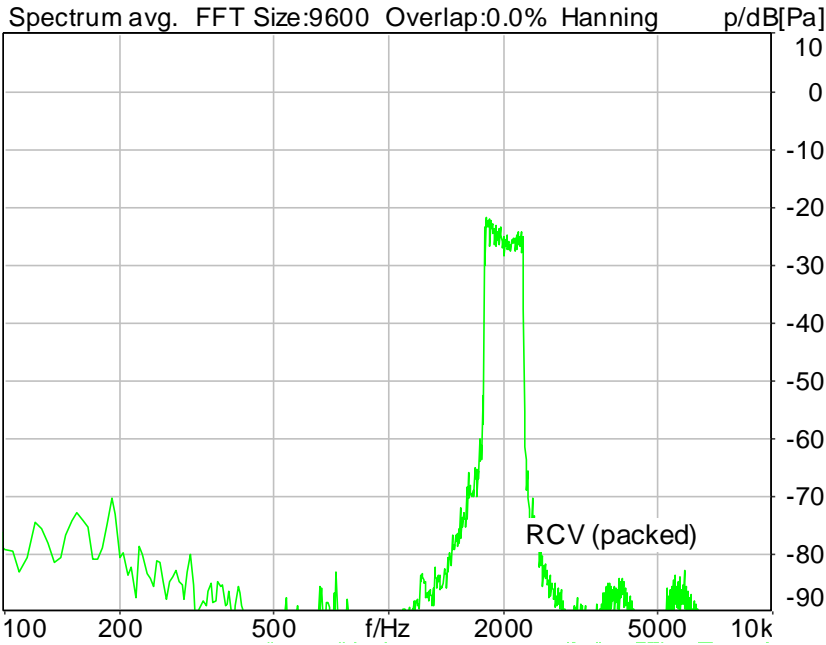
	lower
Run 1	20.00 dB





### 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): 43.14 dB (0.70%) Ok

Ok

2024/3/21 下午 09:36 ACQUA 6.0.200

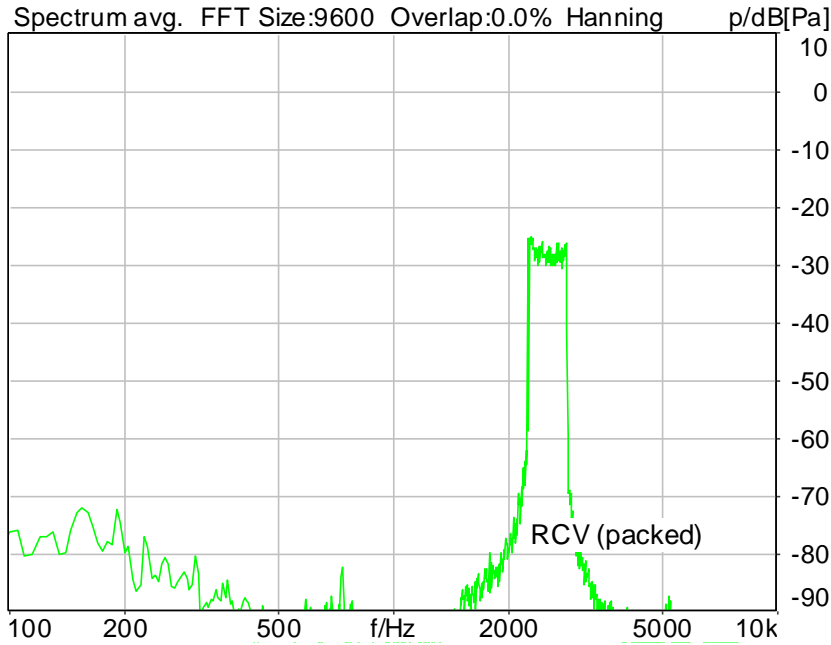
Limits

	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): 44.10 dB (0.62%) Ok

Ok

2024/3/21 下午 09:36 ACQUA 6.0.200

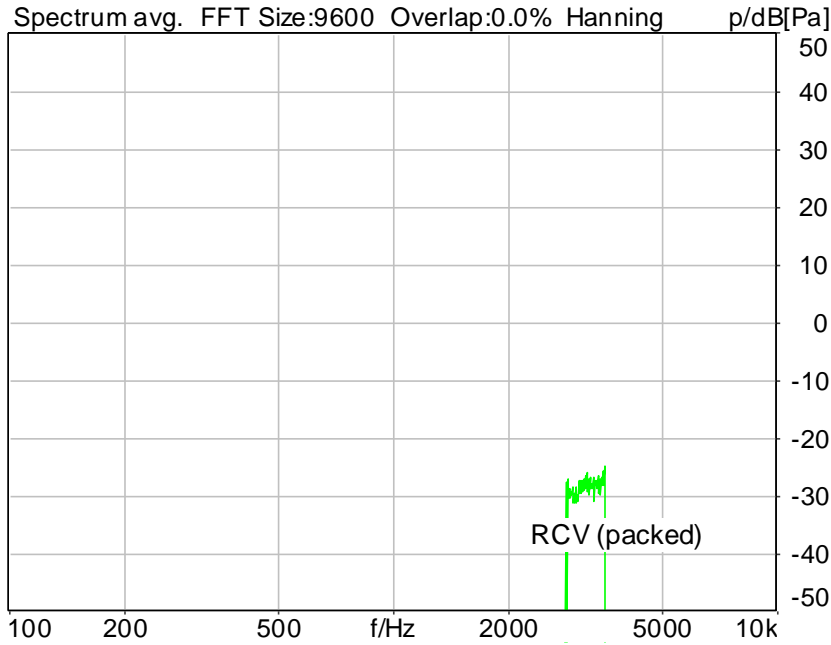
Limits

	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): 44.52 dB (0.59%) Ok

Ok

2024/3/21 下午 09:37 ACQUA 6.0.200

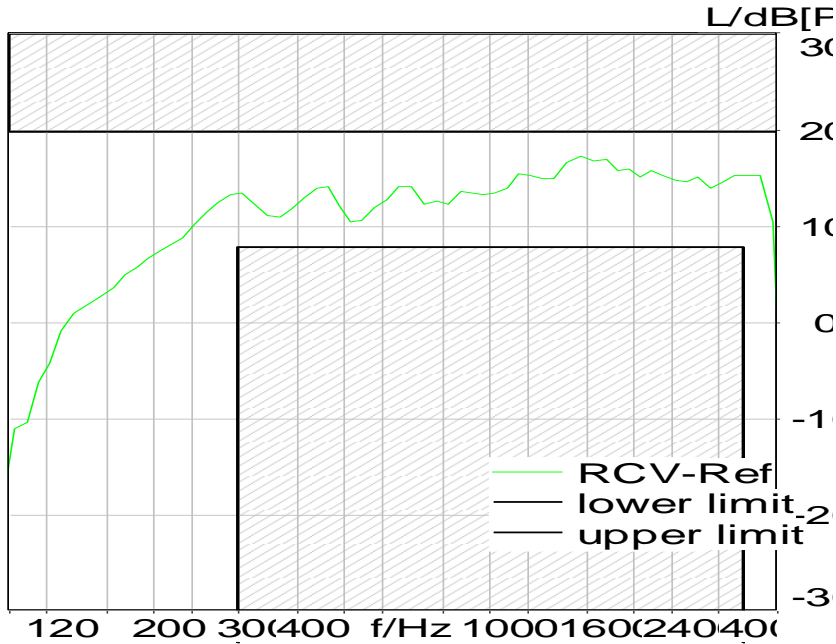
Limits

	lower
Run 1	20.00 dB



### 5.3 Frequency Response 8N DF HANB

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



Absolute minimal distance  
2.57 dB at 1547.5 Hz Ok

Ok

2024/3/21 下午 09:30 ACQUA 6.0.200

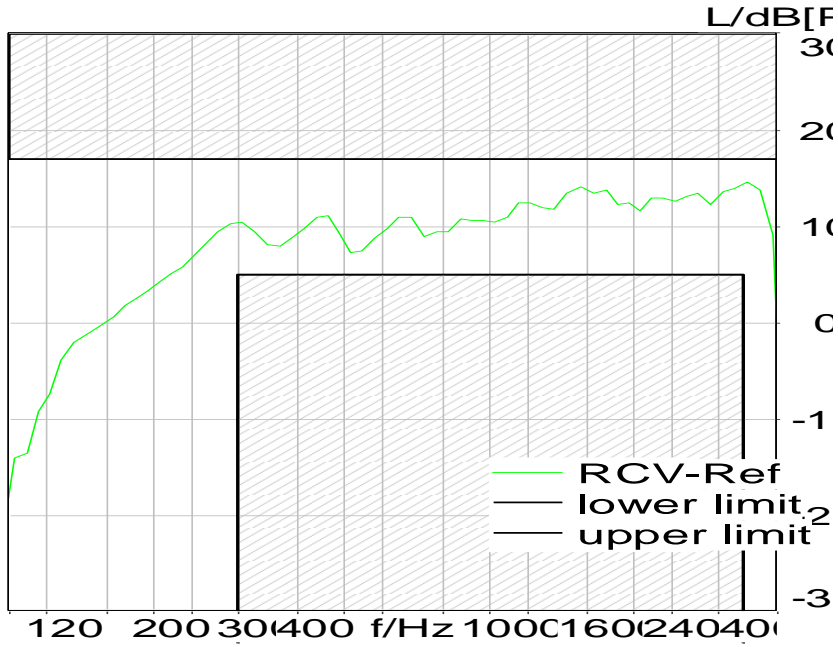
**Limits**

	lower
Run 1	Fit into tolerance



### 5.3 Frequency Response 2N DF HANB

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



Absolute minimal distance  
2.38 dB at 514.4 Hz Ok

Ok

2024/3/21 下午 09:38 ACQUA 6.0.200

**Limits**

	lower
Run 1	Fit into tolerance



#3 WiFi 6GHz EVS WB 24.4kbps

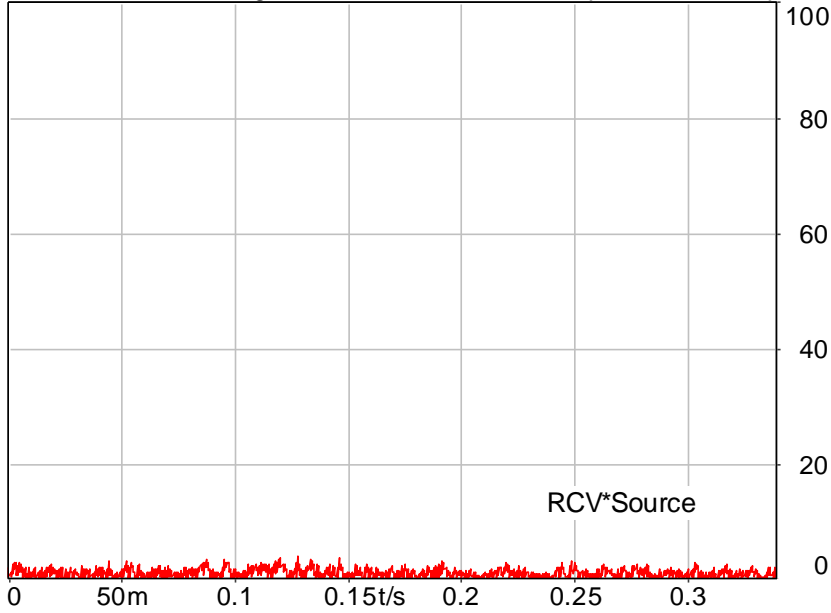
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	461.0
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.67
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	92.95
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.30
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.02
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.15
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.10
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.48
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.07
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.47
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.57
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	41.57
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.70
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.06
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.72
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.80
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.23
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.48
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.05
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.62
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.17
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.64
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.87
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.34
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.34
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.40
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.35
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	42.67
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.84
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.42
5.3 Frequency Response 8N DF	Ok	Min. dist. to tolerance scheme [dB], 5143.7 Hz	2.07
5.3 Frequency Response 2N DF	Ok	Min. dist. to tolerance scheme [dB], 5143.7 Hz	1.58



### Overall Receive Delay WB

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

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



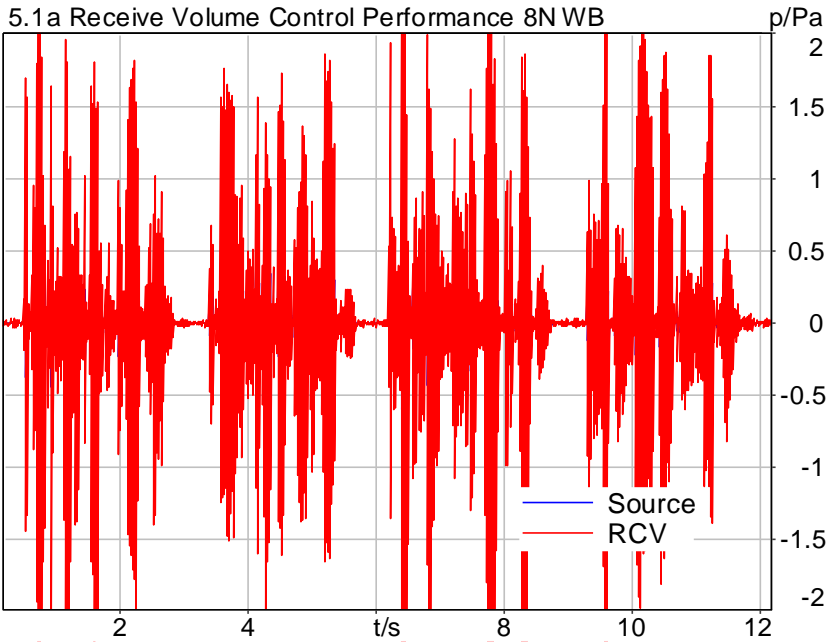
Channel	Delay
RCV*Source	461.0 ms

2024/3/22 下午 11:40 ACQUA 6.0.200



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

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



Channel	Speech level	Activity	
RCV	88.67 dB[SPL]	28.07%	Ok

Ok

2024/3/22 下午 11:40 ACQUA 6.0.200

Limits

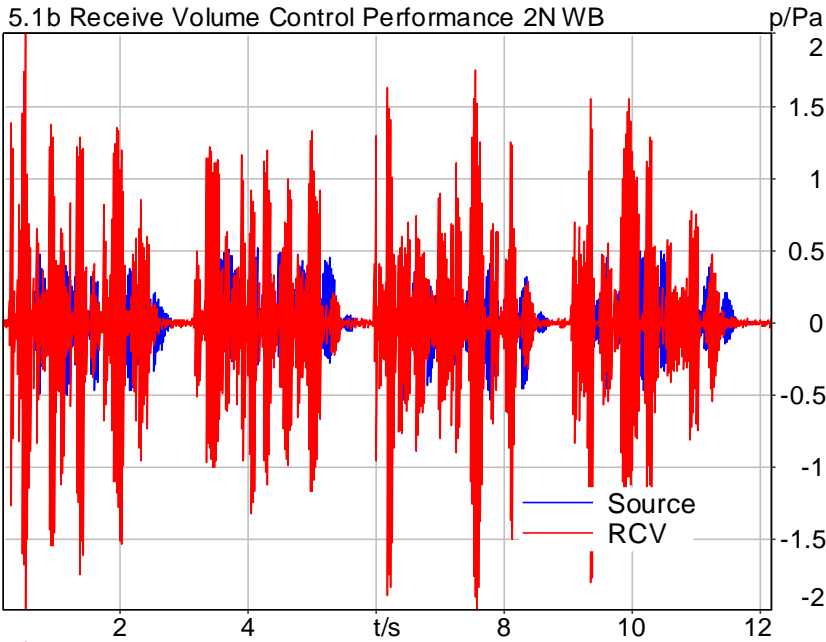
	lower
Run 1	88.00 dB20uPa





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

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



Channel	Speech level	Activity	
RCV	92.95 dB[SPL]	4.61%	Ok

Ok

2024/3/23 上午 12:08 ACQUA 6.0.200

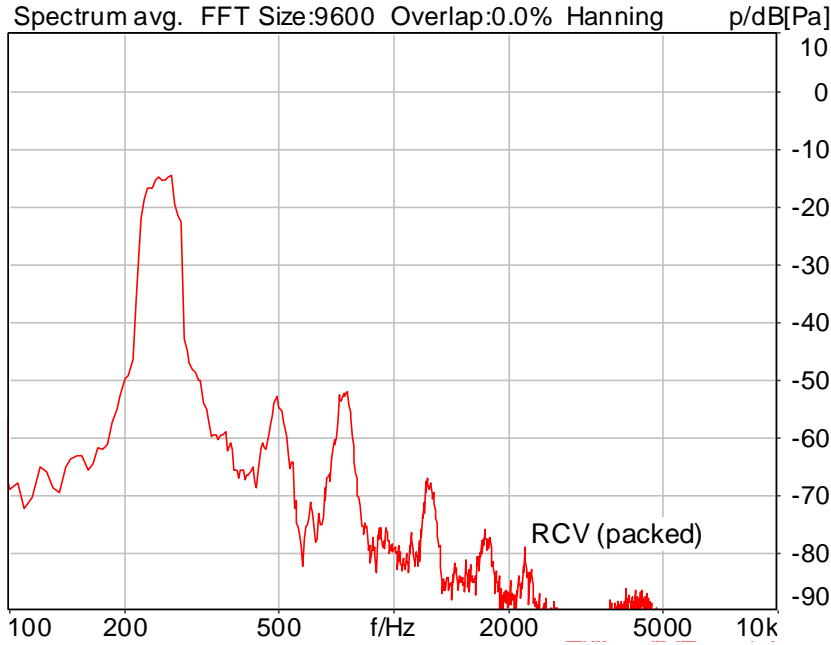
**Limits**

	lower
Run 1	76.00 dB20uPa



### 5.2 RCV Distortion and Noise - 250 Hz WB

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



Distortion (Noise) RCV (packed): 35.30 dB (1.72%) Ok

Ok

2024/3/22 下午 11:41 ACQUA 6.0.200

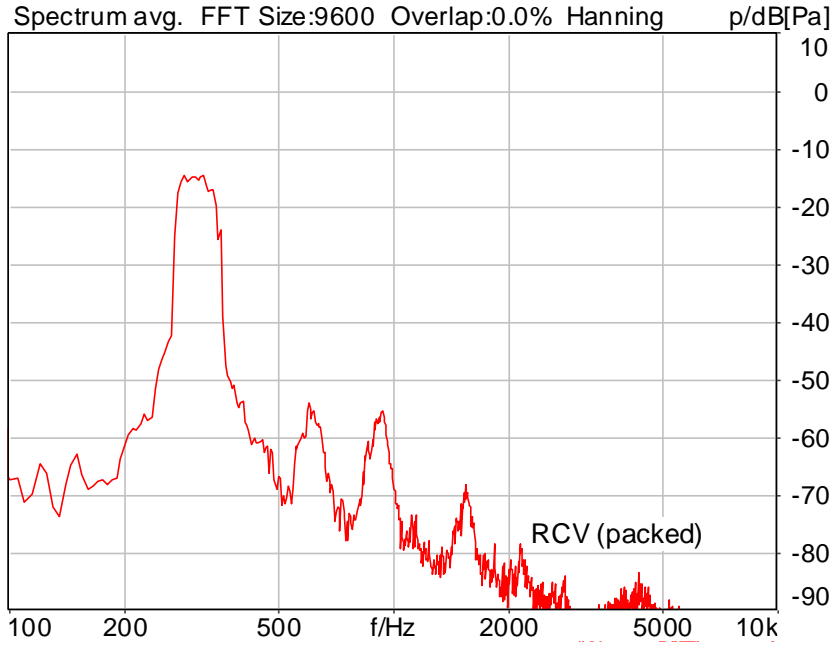
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 37.02 dB (1.41%) Ok

Ok

2024/3/22 下午 11:41 ACQUA 6.0.200

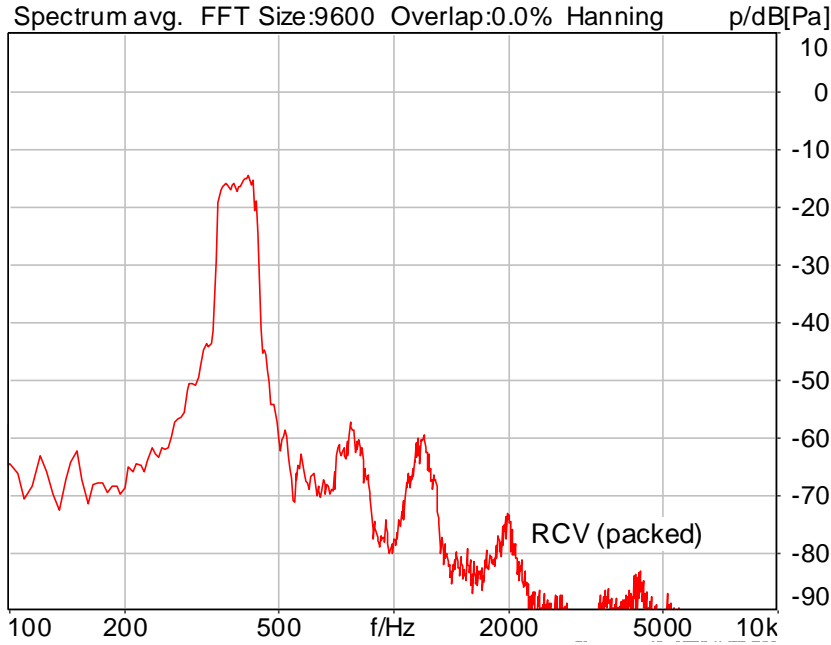
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 38.15 dB (1.24%) Ok

Ok

2024/3/22 下午 11:42 ACQUA 6.0.200

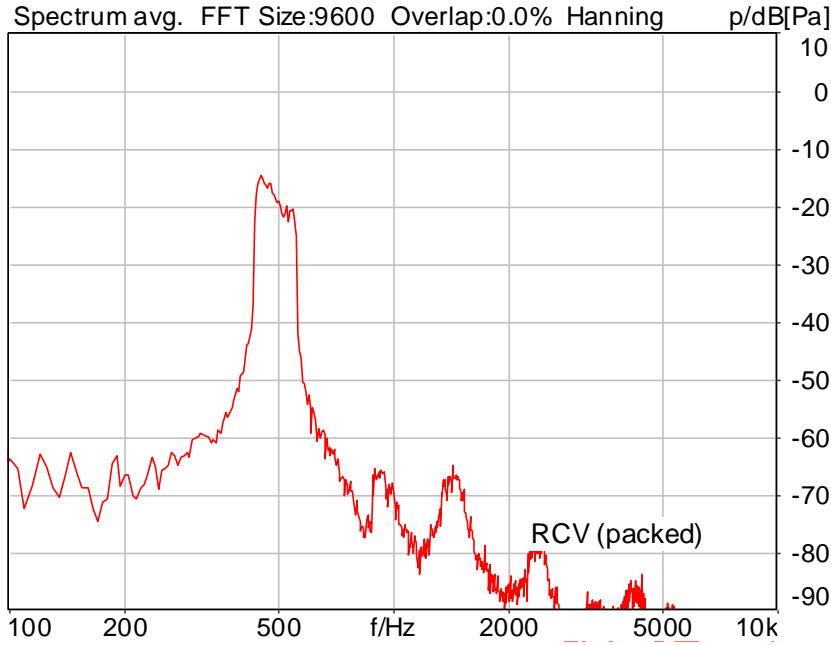
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 38.10 dB (1.25%) Ok

Ok

2024/3/22 下午 11:42 ACQUA 6.0.200

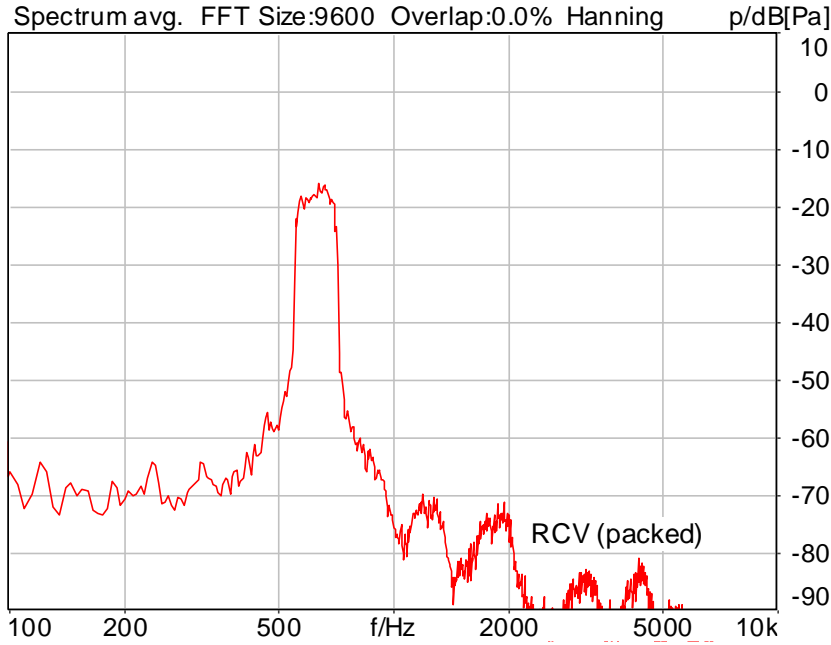
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 39.48 dB (1.06%) Ok

Ok

2024/3/22 下午 11:43 ACQUA 6.0.200

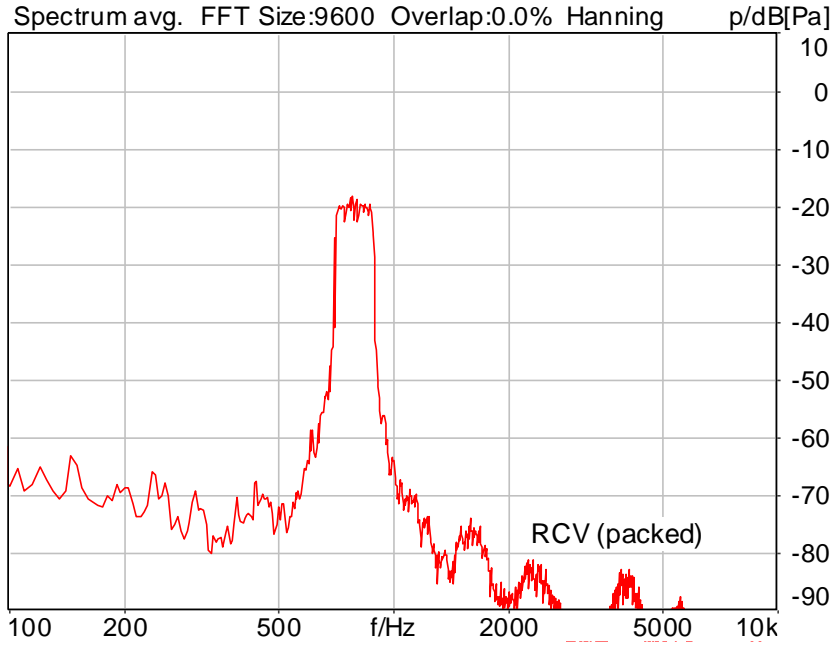
Limits

	lower
Run 1	20.00 dB



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

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



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

Ok

2024/3/22 下午 11:43 ACQUA 6.0.200

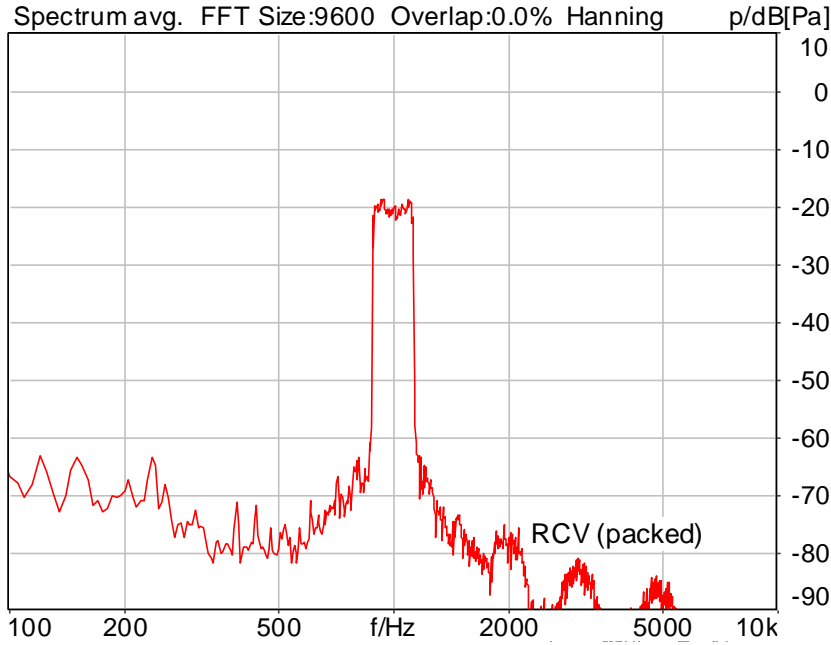
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 44.47 dB (0.60%) Ok

Ok

2024/3/22 下午 11:44 ACQUA 6.0.200

Limits

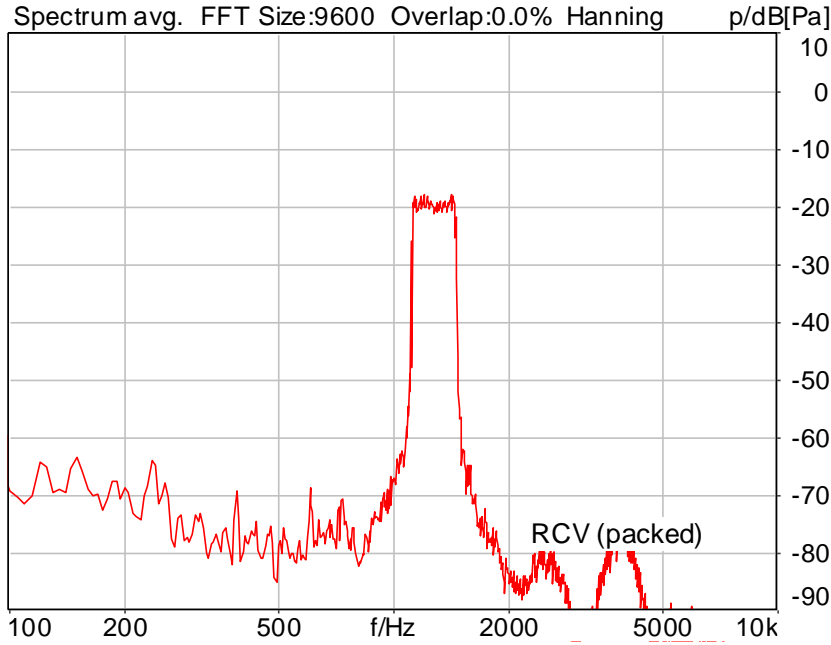
	lower
Run 1	20.00 dB





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

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



Distortion (Noise) RCV (packed): 29.57 dB (3.32%) Ok

Ok

2024/3/22 下午 11:44 ACQUA 6.0.200

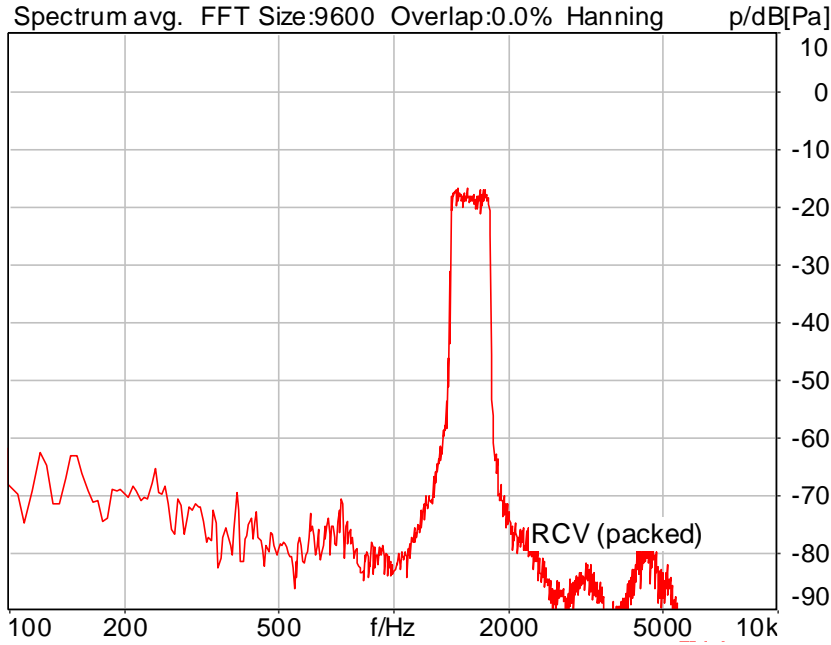
Limits

	lower
Run 1	20.00 dB



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

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



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

Ok

2024/3/22 下午 11:45 ACQUA 6.0.200

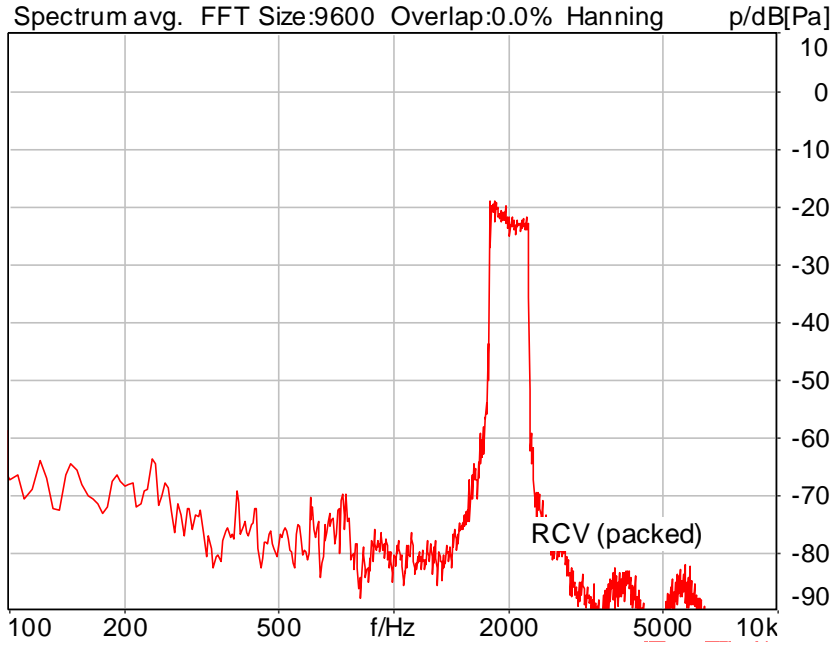
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 41.57 dB (0.83%) Ok

Ok

2024/3/22 下午 11:45 ACQUA 6.0.200

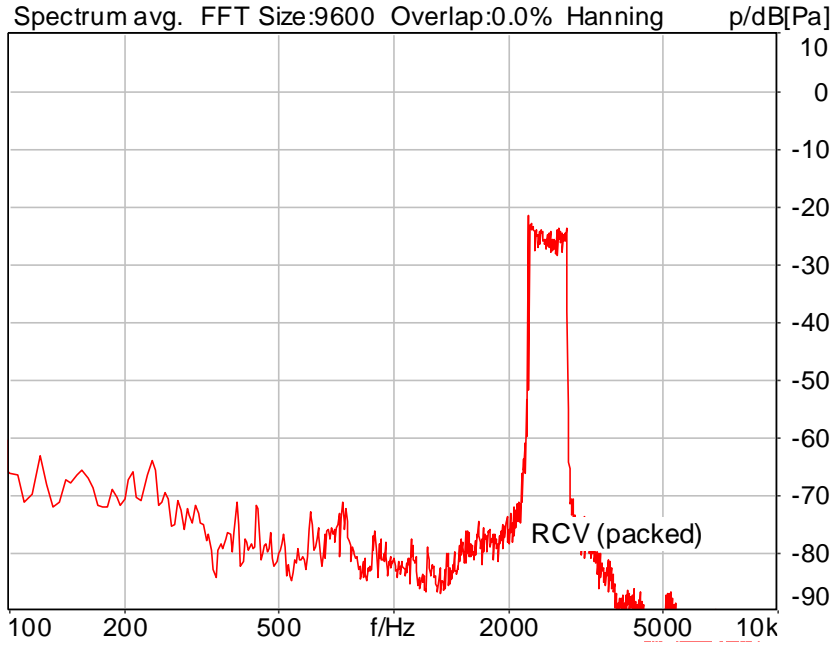
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 43.70 dB (0.65%) Ok

Ok

2024/3/22 下午 11:46 ACQUA 6.0.200

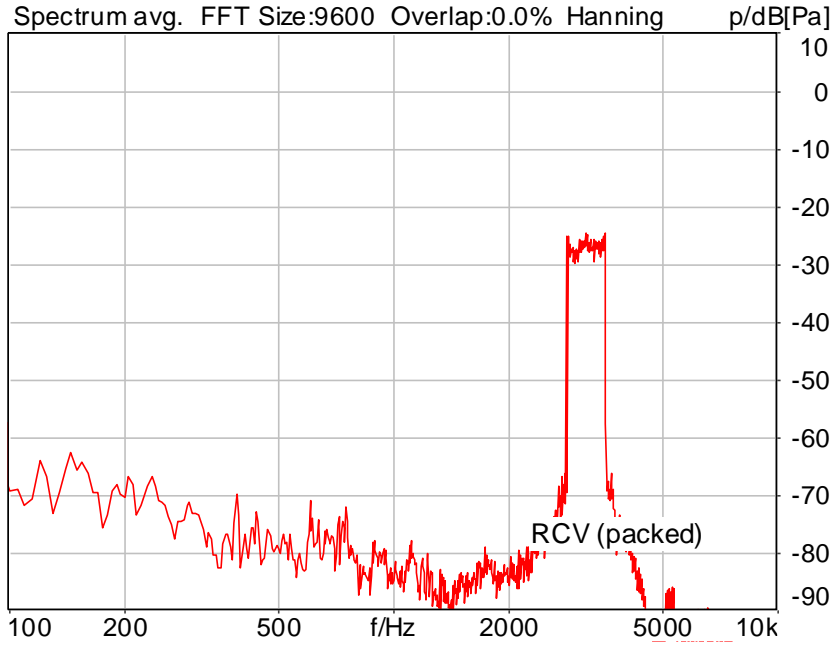
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 43.06 dB (0.70%) Ok

Ok

2024/3/22 下午 11:46 ACQUA 6.0.200

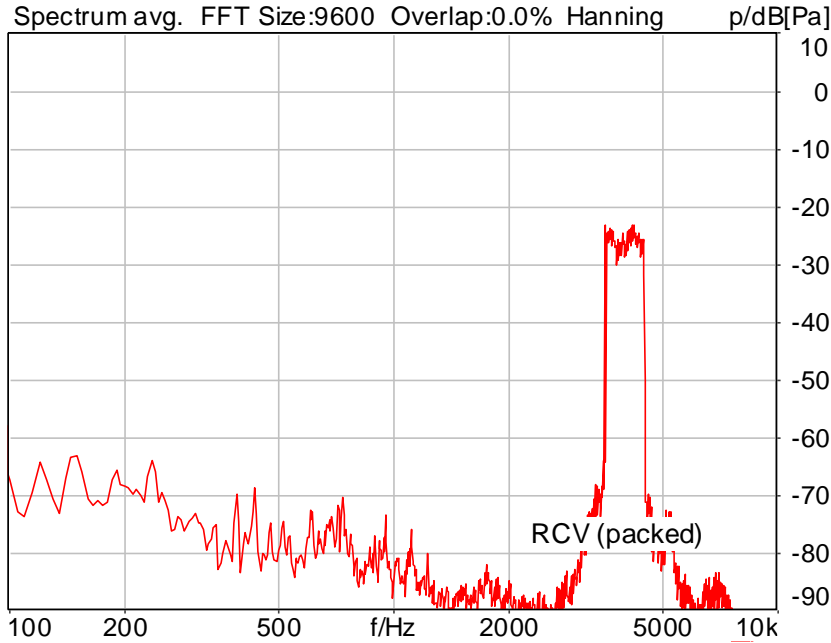
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 4000 Hz WB

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



Distortion (Noise) RCV (packed): 44.72 dB (0.58%) Ok

Ok

2024/3/22 下午 11:47 ACQUA 6.0.200

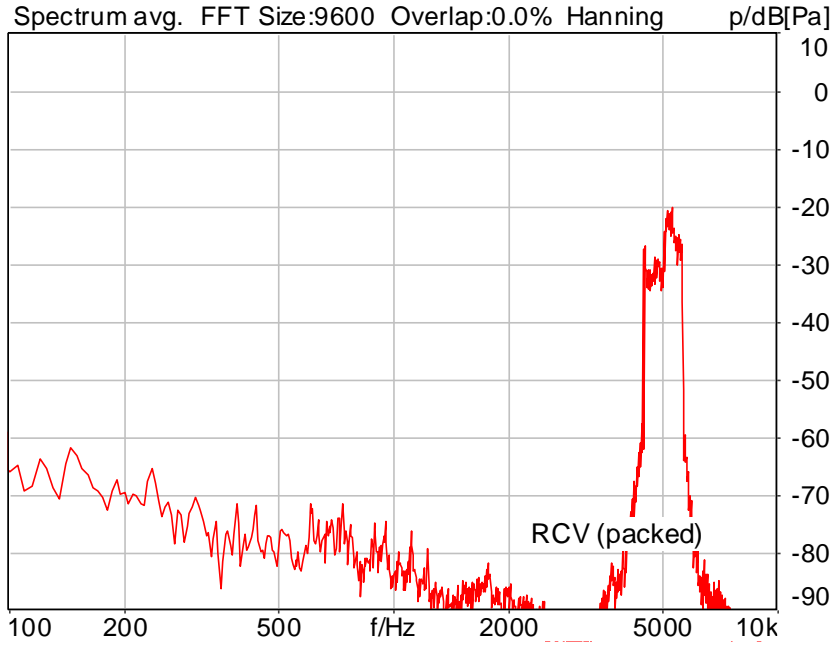
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 5000 Hz WB

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



Distortion (Noise) RCV (packed): 40.80 dB (0.91%) Ok

Ok

2024/3/22 下午 11:47 ACQUA 6.0.200

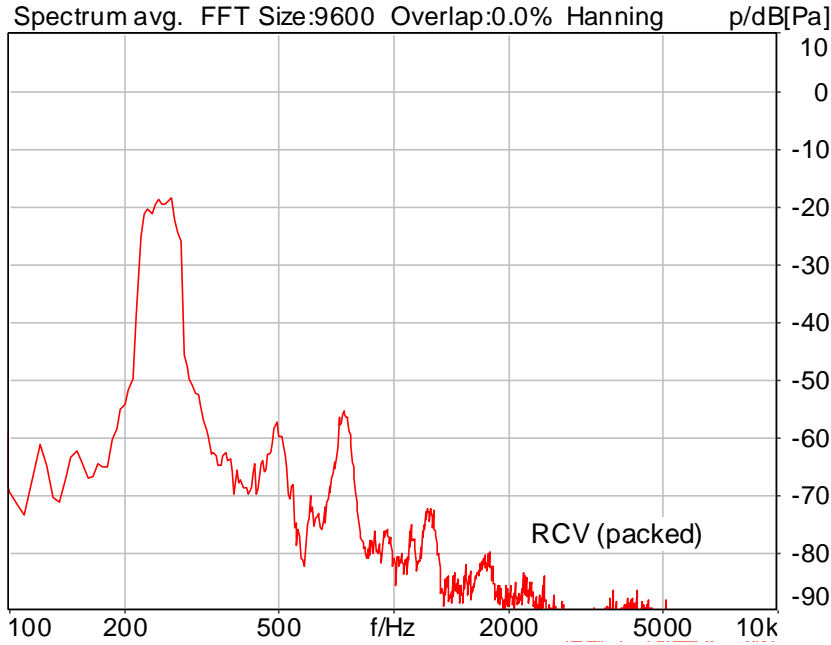
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 250 Hz WB

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



Distortion (Noise) RCV (packed): 35.23 dB (1.73%) Ok

Ok

2024/3/22 下午 11:50 ACQUA 6.0.200

Limits

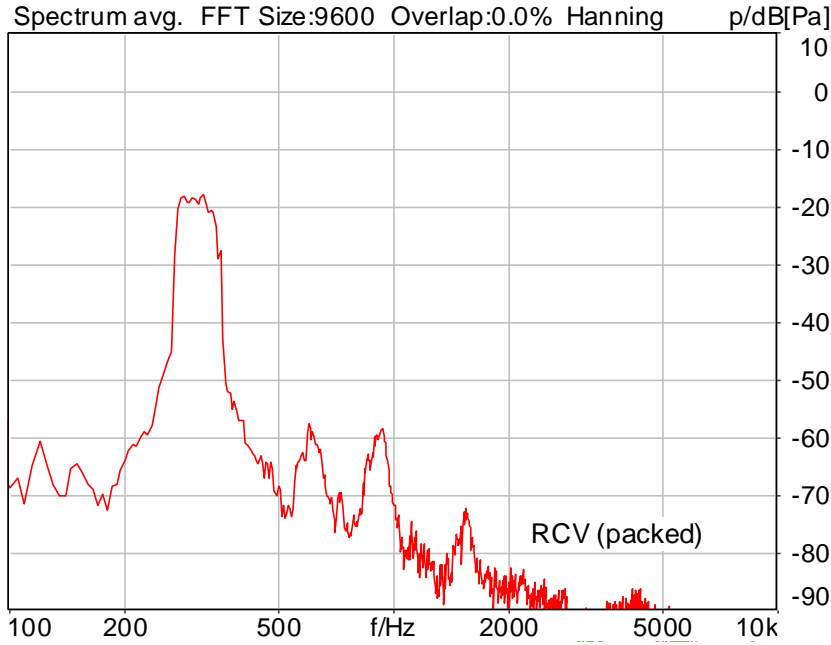
	lower
Run 1	20.00 dB





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

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



Distortion (Noise) RCV (packed): 36.48 dB (1.50%) Ok

Ok

2024/3/22 下午 11:50 ACQUA 6.0.200

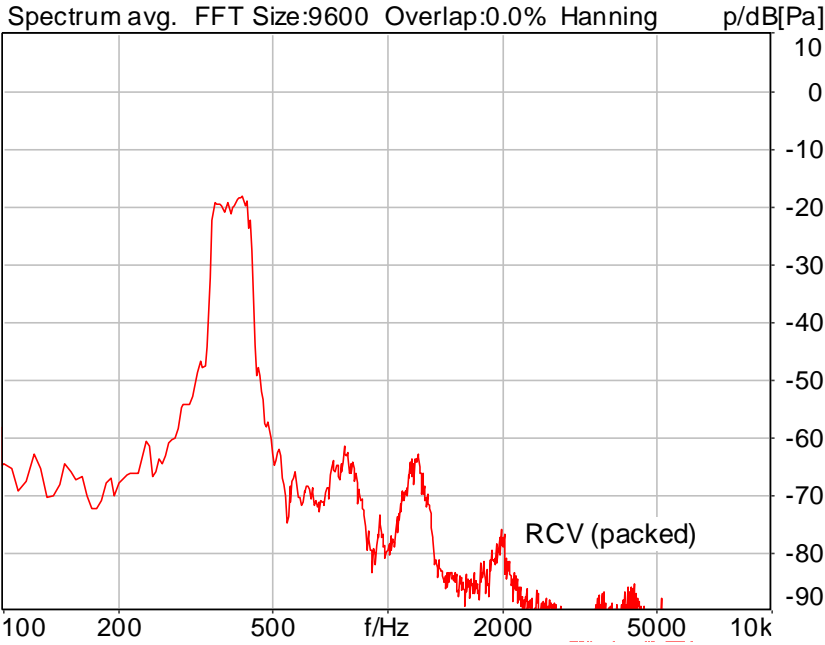
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 38.05 dB (1.25%) Ok

Ok

2024/3/22 下午 11:51 ACQUA 6.0.200

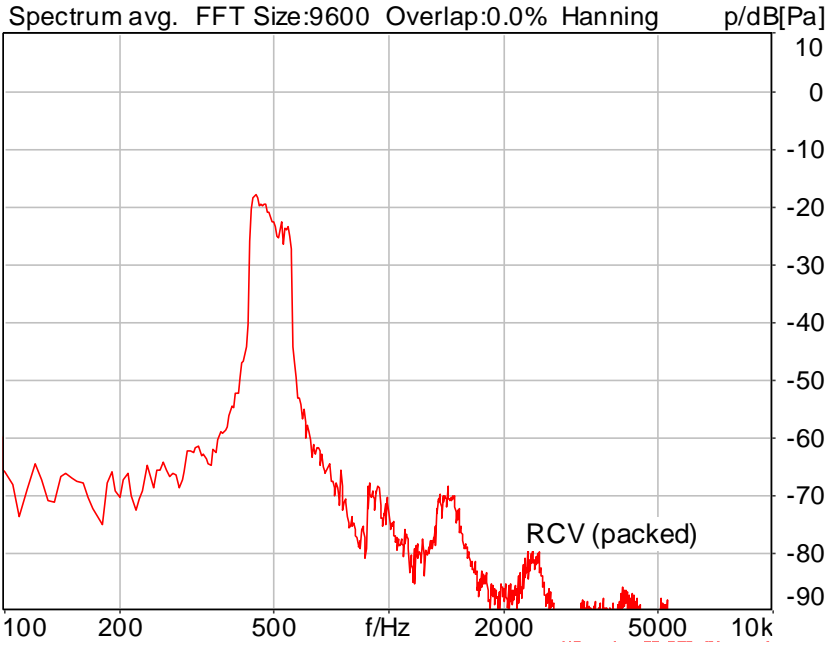
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 37.62 dB (1.31%) Ok

Ok

2024/3/22 下午 11:51 ACQUA 6.0.200

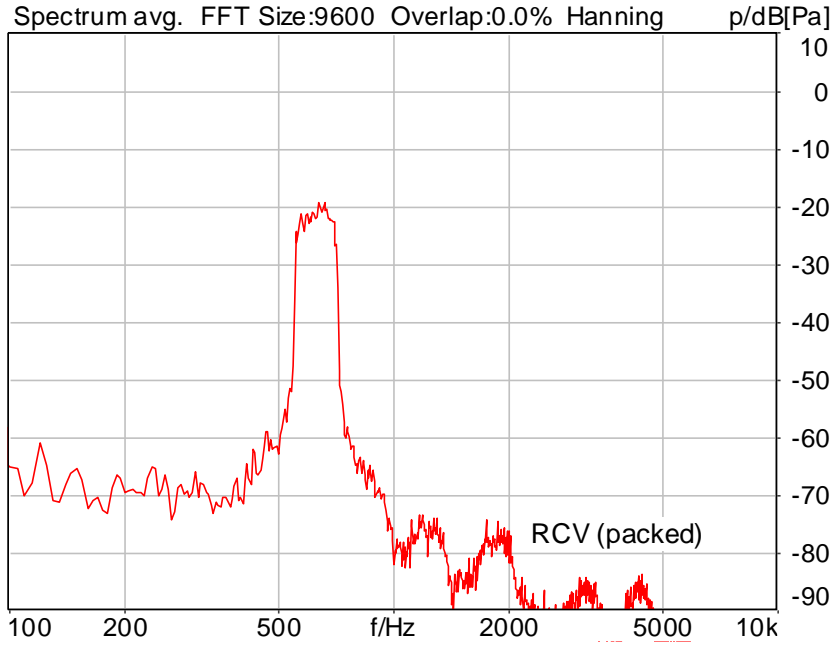
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 39.17 dB (1.10%) Ok

Ok

2024/3/22 下午 11:52 ACQUA 6.0.200

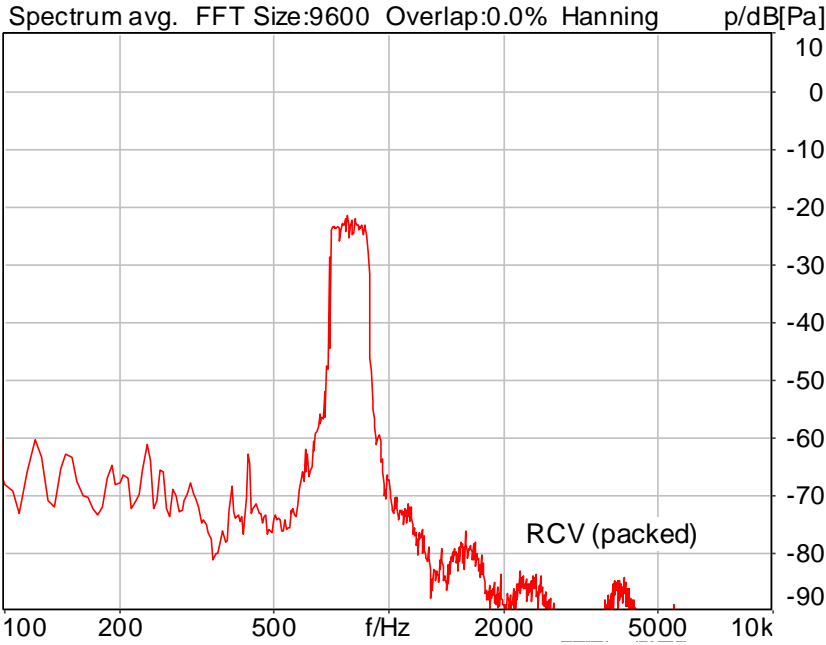
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 38.64 dB (1.17%) Ok

Ok

2024/3/22 下午 11:52 ACQUA 6.0.200

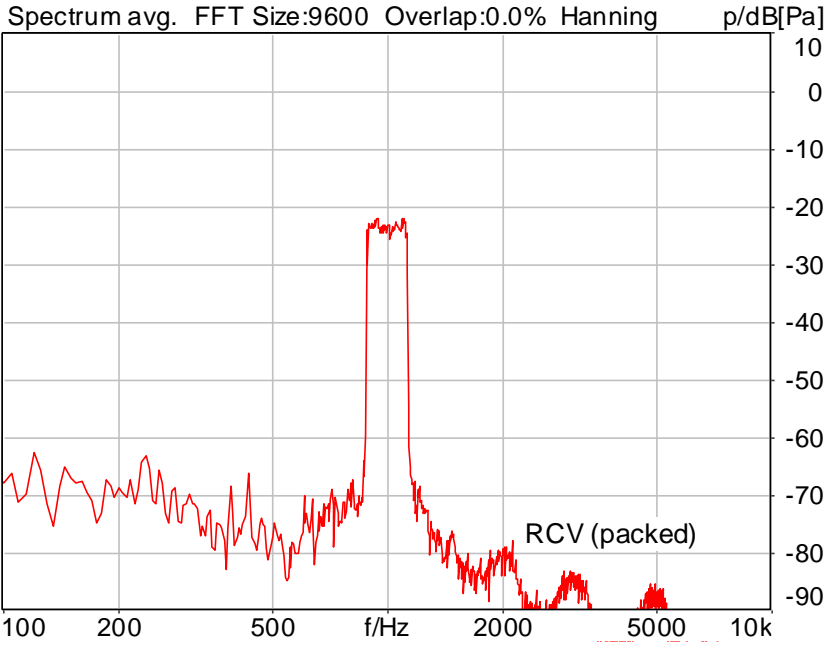
Limits

	lower
Run 1	20.00 dB



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

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



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

Ok

2024/3/22 下午 11:53 ACQUA 6.0.200

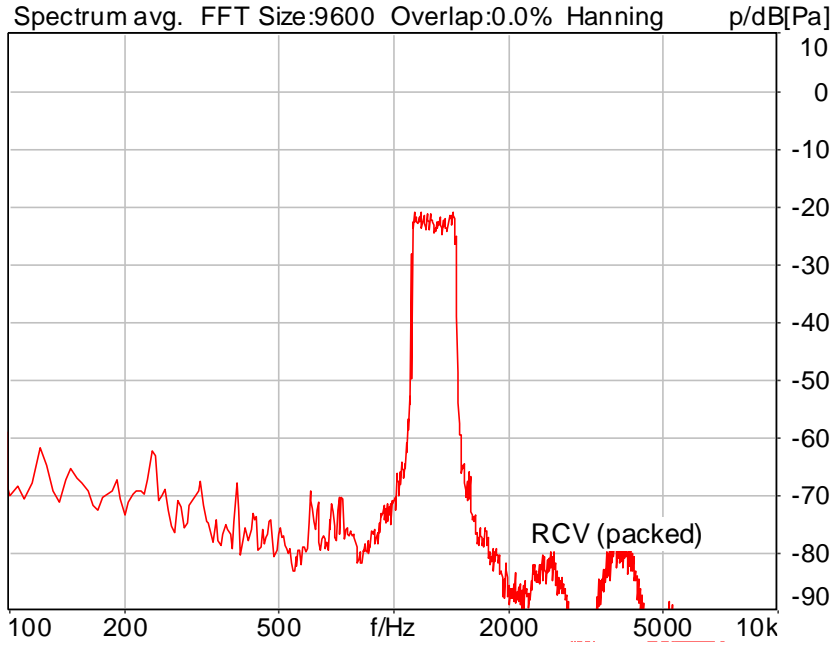
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 32.34 dB (2.42%) Ok

Ok

2024/3/22 下午 11:53 ACQUA 6.0.200

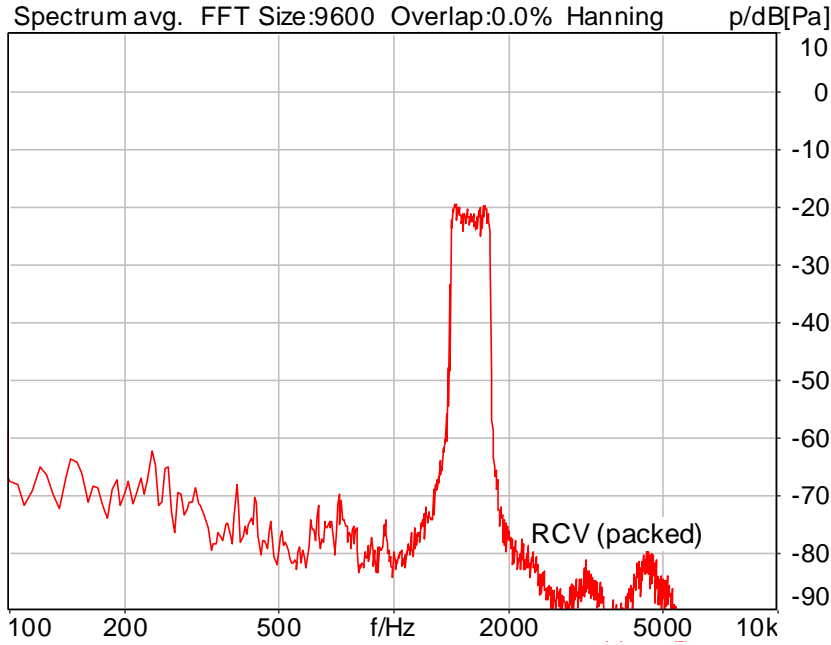
Limits

	lower
Run 1	20.00 dB



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

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



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

Ok

2024/3/22 下午 11:54 ACQUA 6.0.200

Limits

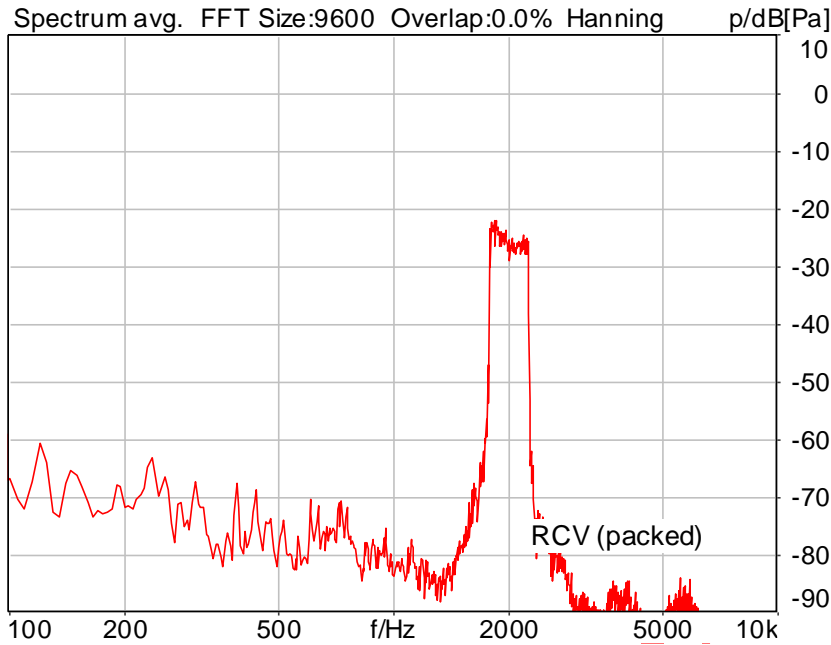
	lower
Run 1	20.00 dB





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

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



Distortion (Noise) RCV (packed): 41.40 dB (0.85%) Ok

Ok

2024/3/22 下午 11:54 ACQUA 6.0.200

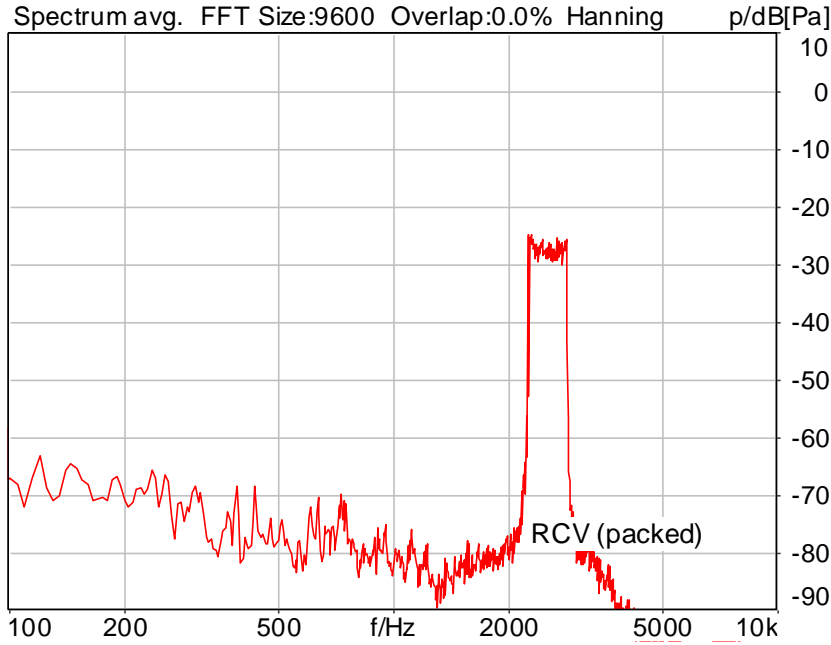
Limits

	lower
Run 1	20.00 dB



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

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



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

Ok

2024/3/22 下午 11:55 ACQUA 6.0.200

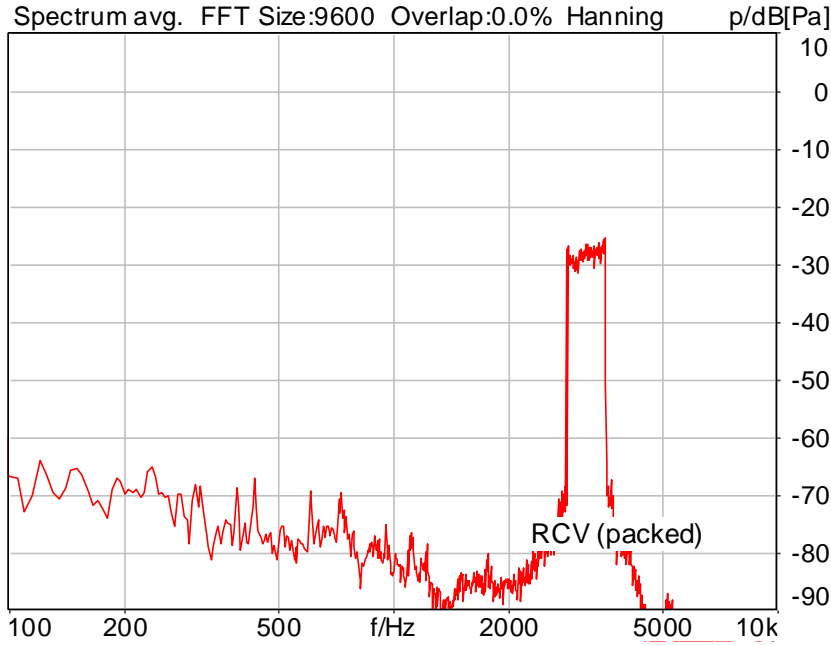
Limits

	lower
Run 1	20.00 dB



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

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



Distortion (Noise) RCV (packed): 42.67 dB (0.74%) Ok

Ok

2024/3/22 下午 11:55 ACQUA 6.0.200

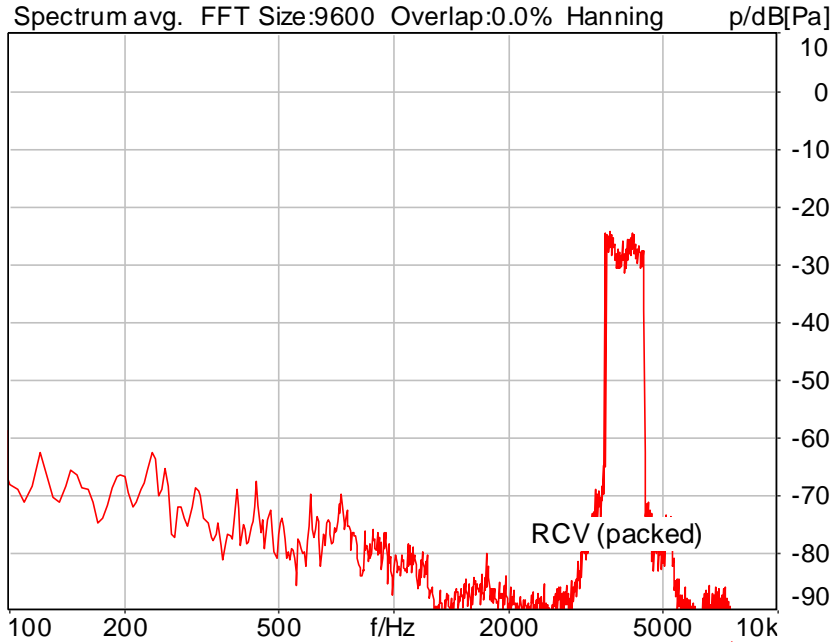
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 4000 Hz WB

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



Distortion (Noise) RCV (packed): 43.84 dB (0.64%) Ok

Ok

2024/3/22 下午 11:56 ACQUA 6.0.200

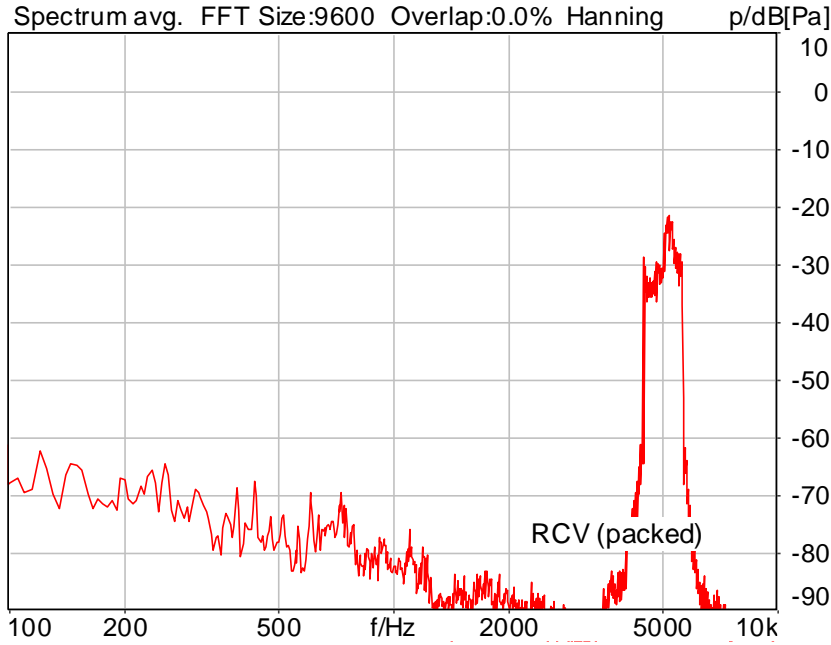
Limits

	lower
Run 1	20.00 dB



### 5.2 RCV Distortion and Noise - 5000 Hz WB

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



Distortion (Noise) RCV (packed): 41.42 dB (0.85%) Ok

Ok

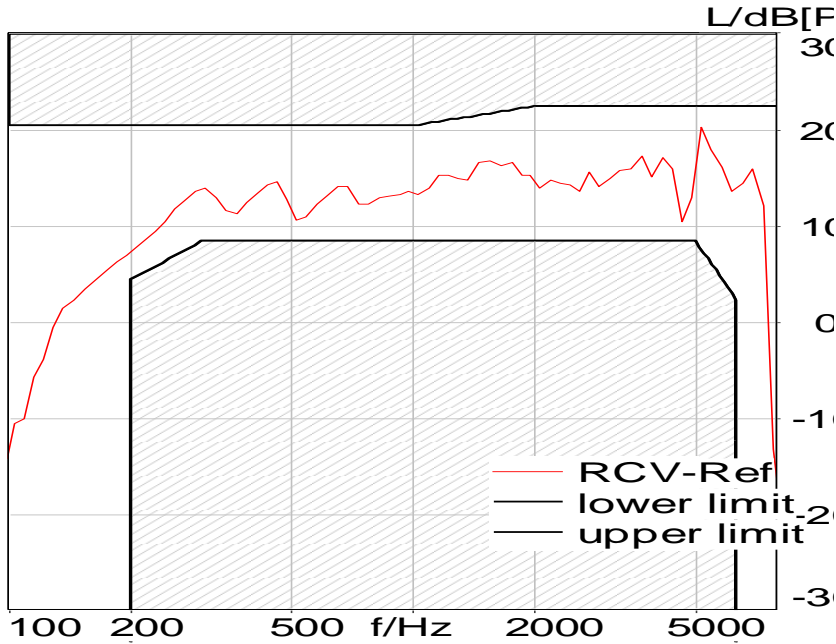
2024/3/22 下午 11:56 ACQUA 6.0.200

Limits

	lower
Run 1	20.00 dB

### 5.3 Frequency Response 8N DF

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



Absolute minimal distance  
2.07 dB at 5143.7 Hz Ok

Ok

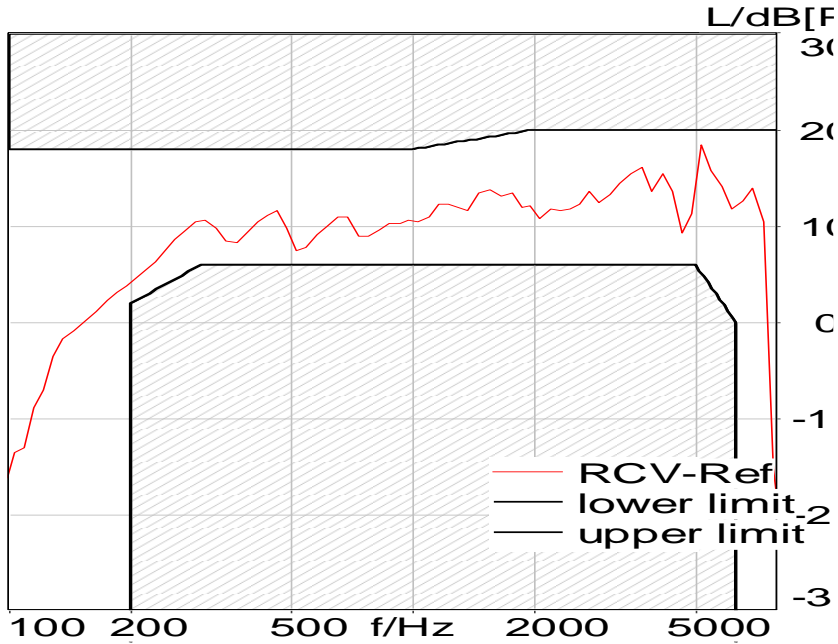
2024/3/22 下午 11:48 ACQUA 6.0.200

**Limits**

	lower
Run 1	Fit into tolerance

### 5.3 Frequency Response 2N DF

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



Absolute minimal distance  
1.58 dB at 5143.7 Hz Ok

Ok

2024/3/22 下午 11:57 ACQUA 6.0.200

**Limits**

	lower
Run 1	Fit into tolerance



---

**Appendix A. Volume Control Evaluation Results**

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





**#4 GSM850 EFR NB 12.2Kbps**

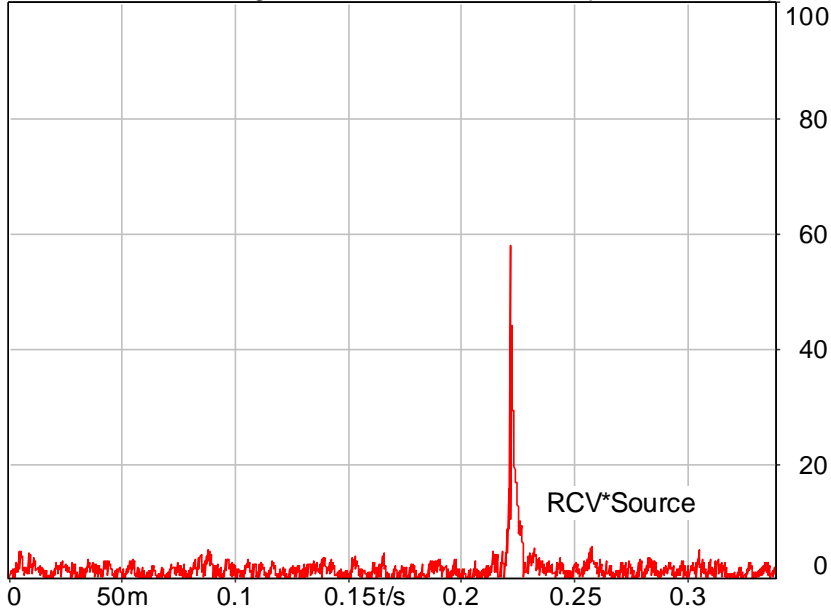
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	222.0
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	88.61
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	94.31



### Overall Receive Delay NB

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

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

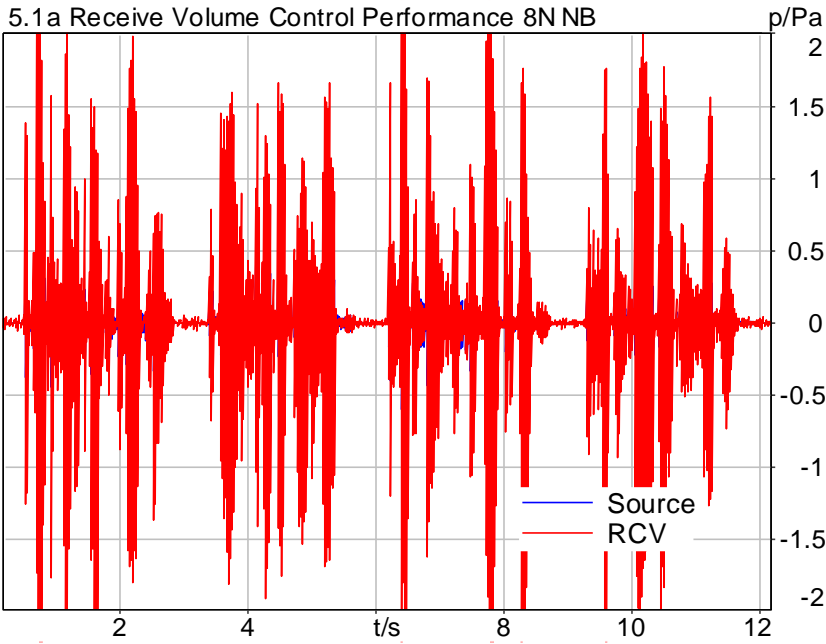


Delay (Cross): 222.0 ms

2024/2/22 下午 01:57 ACQUA 5.1.200

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

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



Speech Level RCV: 88.61 dB[SPL], Act.: 23.69% Ok

Ok

2024/2/22 下午 01:57 ACQUA 5.1.200

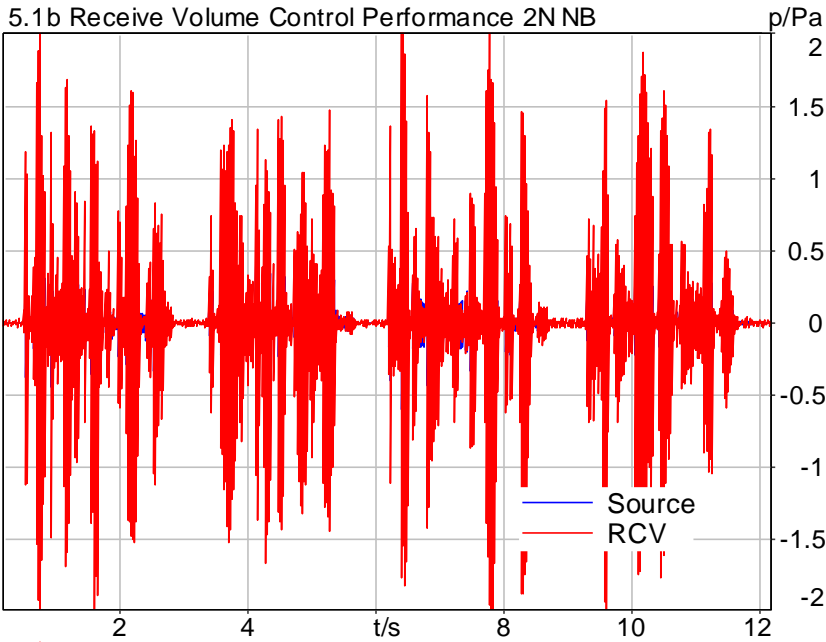
**Limits**

	lower
Run 1	88.00 dB20uPa



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

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



Speech Level RCV: 94.31 dB[SPL], Act.: 4.92% Ok

Ok

2024/2/22 下午 01:59 ACQUA 5.1.200

Limits

	lower
Run 1	76.00 dB20uPa



**#5 WCDMA II AMR NB 12.2kbps**

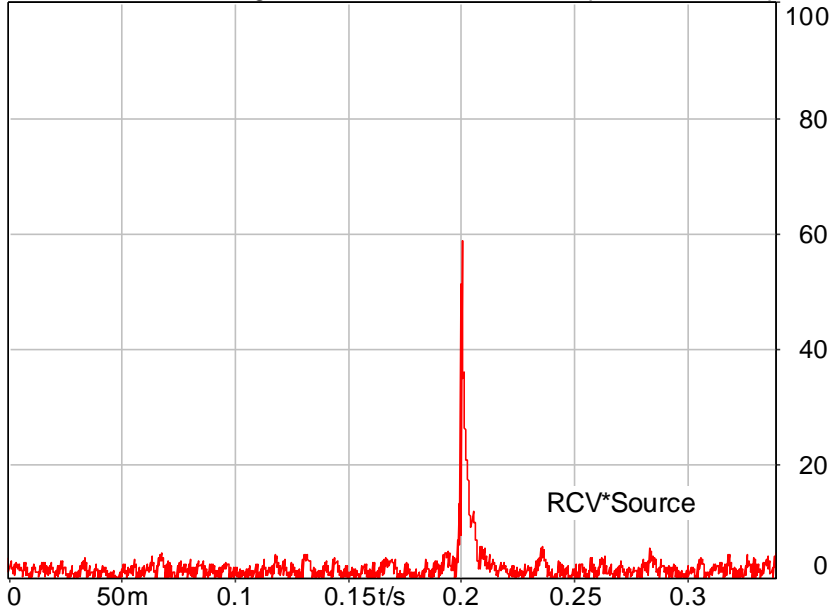
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	200.6
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	88.15
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	93.25



### Overall Receive Delay NB

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

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



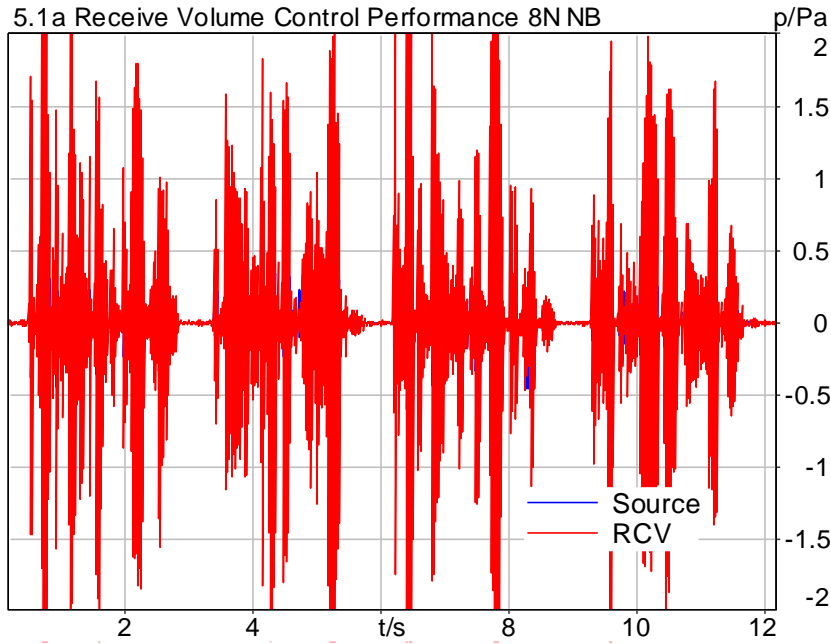
Delay (Cross): 200.6 ms

2024/3/8 上午 01:41 ACQUA 5.1.200



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

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



Speech Level RCV: 88.15 dB[SPL], Act.: 28.01% Ok

Ok

2024/3/8 上午 01:41 ACQUA 5.1.200

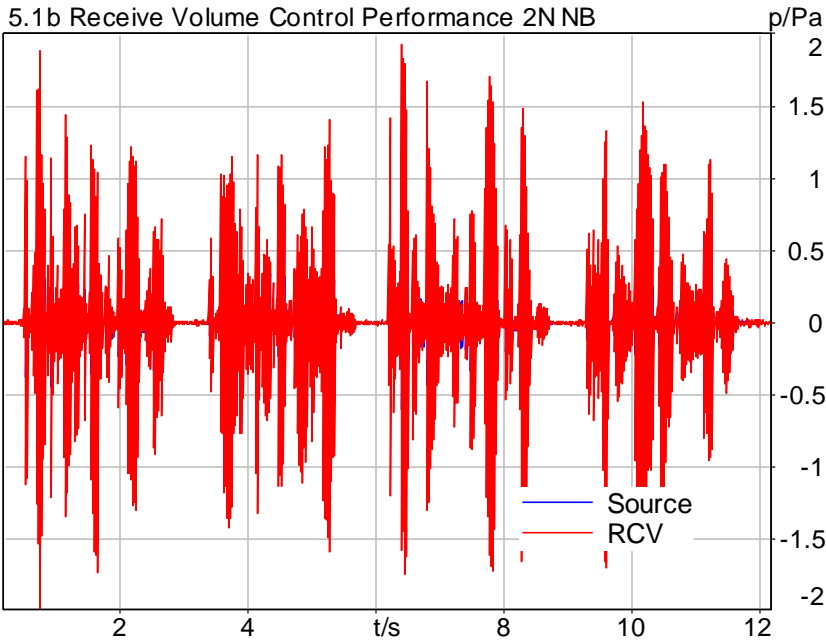
Limits

	lower
Run 1	88.00 dB20uPa



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

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



Speech Level RCV: 93.25 dB[SPL], Act.: 4.55% Ok

Ok

2024/3/8 上午 01:42 ACQUA 5.1.200

Limits

	lower
Run 1	76.00 dB20uPa





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

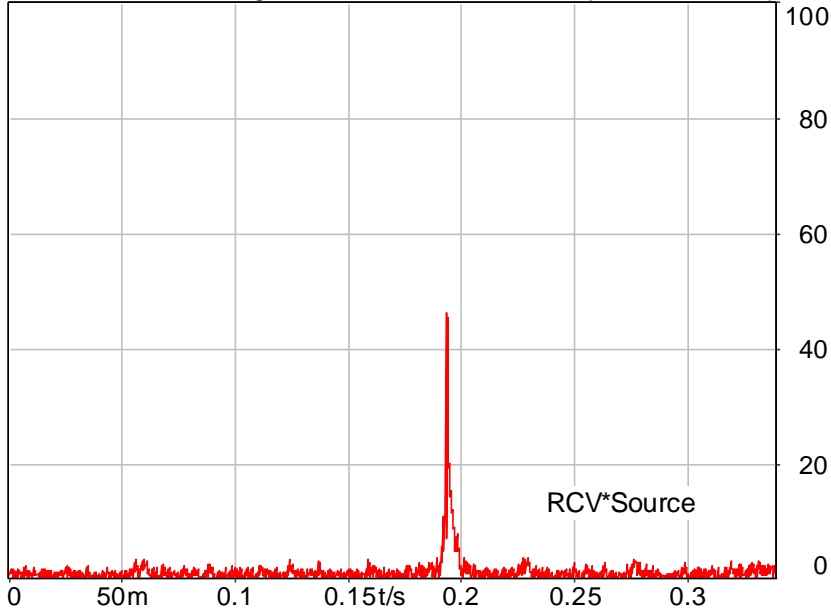
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	193.7
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.03
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	90.97



### Overall Receive Delay WB

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

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



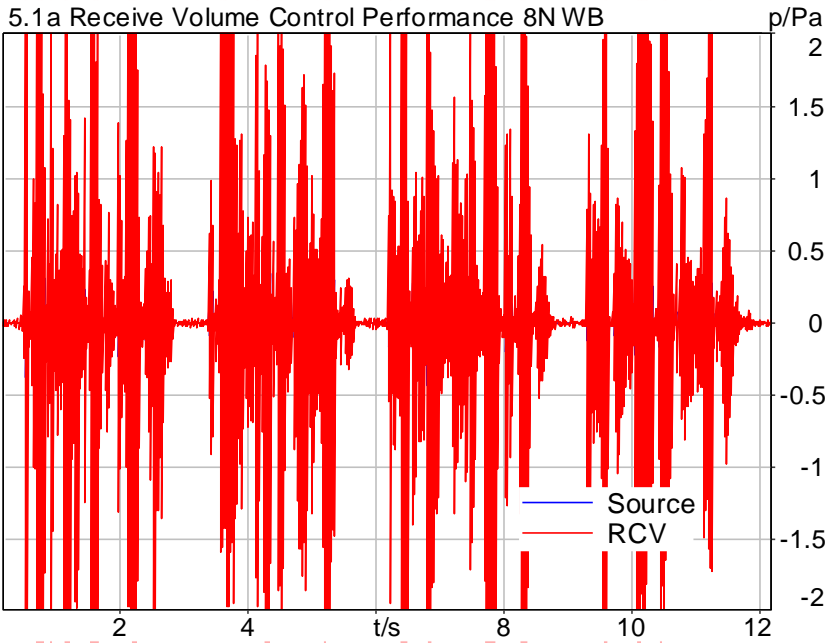
Channel	Delay
RCV*Source	193.7 ms

2024/4/8 上午 09:35 ACQUA 6.0.200



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

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



Channel	Speech level	Activity	
RCV	88.03 dB[SPL]	54.35%	Ok

Ok

2024/4/8 上午 09:24 ACQUA 6.0.200

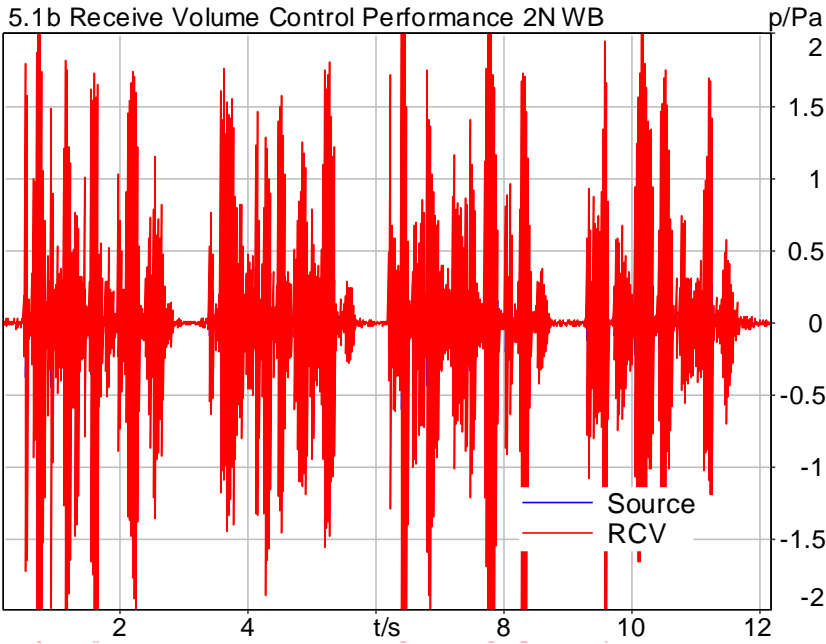
**Limits**

	lower
Run 1	76.00 dB20uPa



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

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



Channel	Speech level	Activity	
RCV	90.97 dB[SPL]	13.64%	Ok

Ok

2024/4/8 上午 09:41 ACQUA 6.0.200

**Limits**

	lower
Run 1	76.00 dB20uPa



**#7 NR n77 EVS NB 5.9kbps**

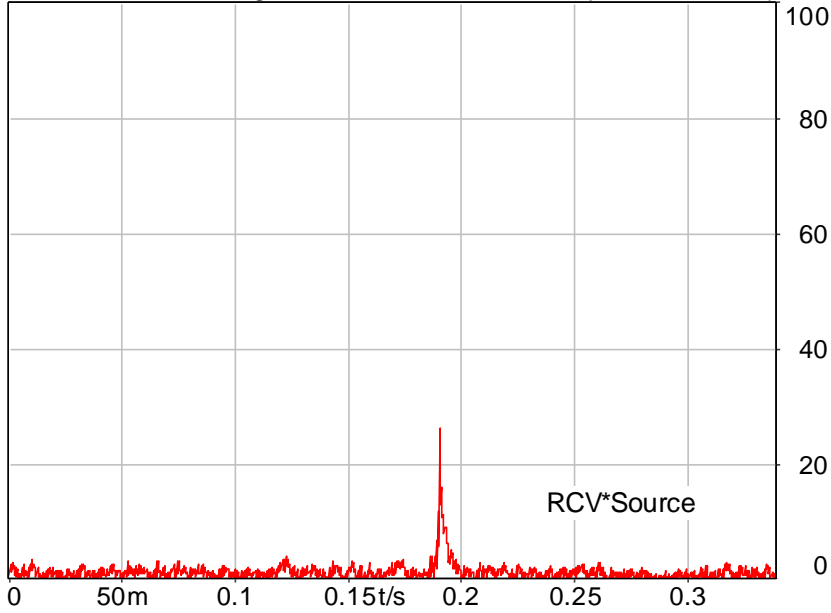
SMD	Status	Single Value Description	Single Value
Overall Receive Delay NB	Done	Delay (Cross) [ms]	191.0
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	88.11
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	92.79



### Overall Receive Delay NB

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

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



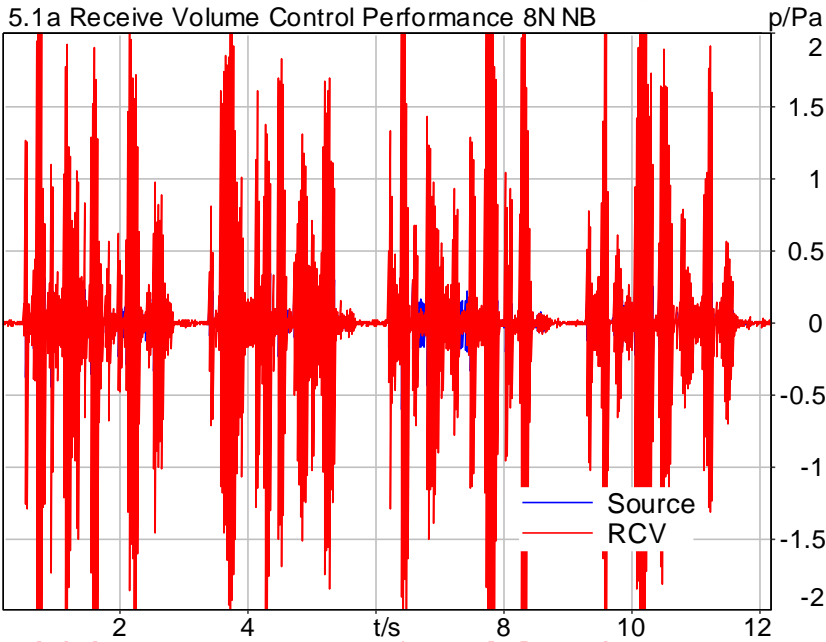
Channel	Delay
RCV*Source	191.0 ms

2024/3/22 上午 12:03 ACQUA 6.0.200



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

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



Channel	Speech level	Activity	
RCV	88.11 dB[SPL]	30.30%	Ok

Ok

2024/3/22 上午 12:04 ACQUA 6.0.200

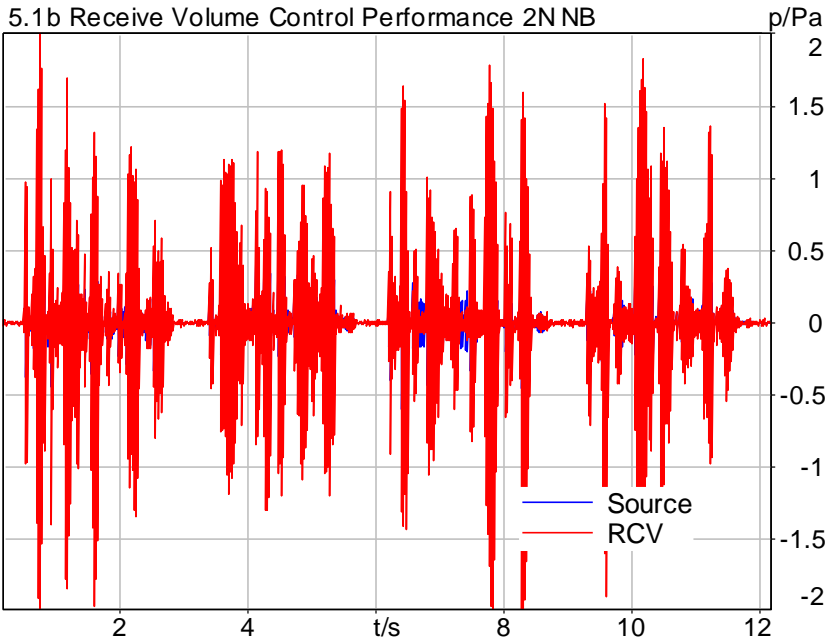
Limits

	lower
Run 1	88.00 dB20uPa



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

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



Channel	Speech level	Activity	
RCV	92.79 dB[SPL]	4.66%	Ok

Ok

2024/3/22 上午 12:05 ACQUA 6.0.200

Limits

	lower
Run 1	76.00 dB20uPa





**#8 WiFi 5GHz AMR WB 6.60kbps**

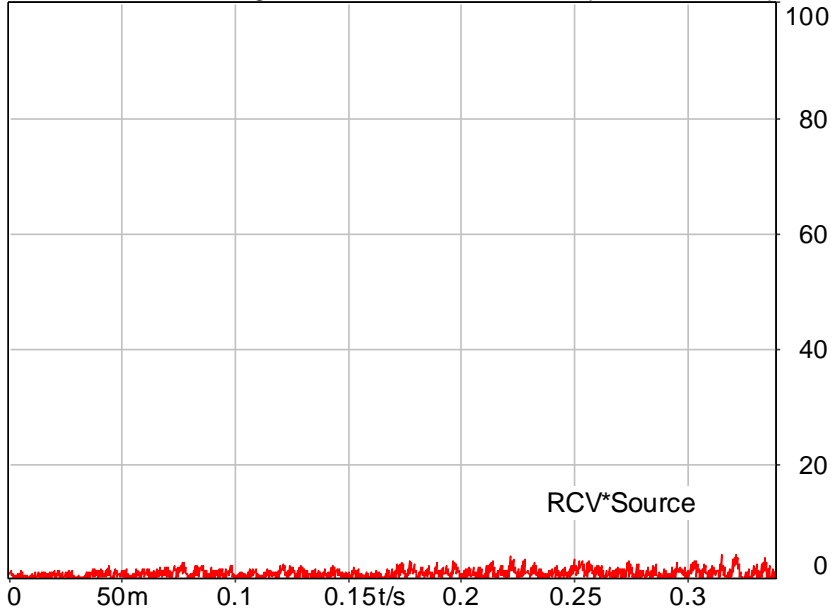
SMD	Status	Single Value Description	Single Value
Overall Receive Delay WB	Done	Delay (Cross) [ms]	390.2
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.06
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	96.45



### Overall Receive Delay WB

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

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



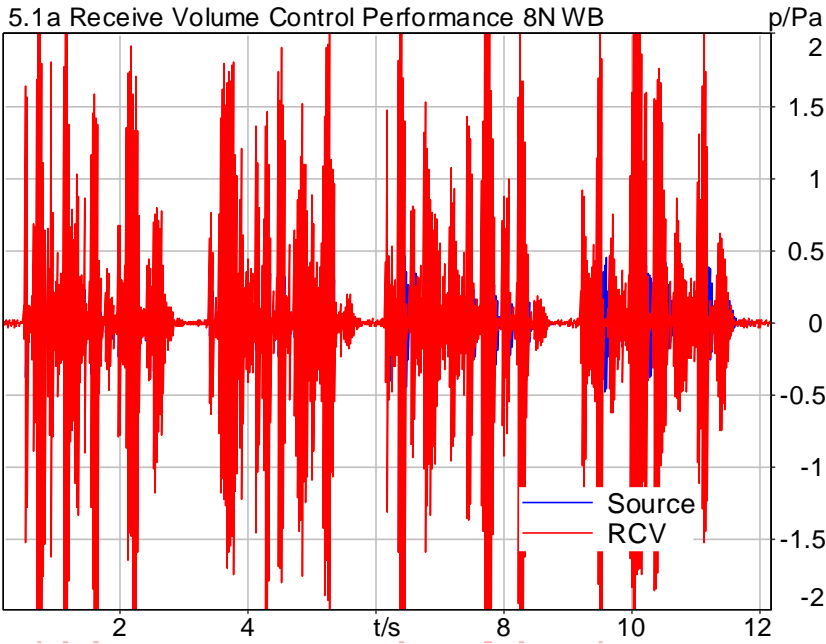
Delay (Cross): 390.2 ms

2024/3/5 上午 11:49 ACQUA 5.1.200



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

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



Speech Level RCV: 88.06 dB[SPL], Act.: 32.18% Ok

Ok

2024/3/5 上午 11:53 ACQUA 5.1.200

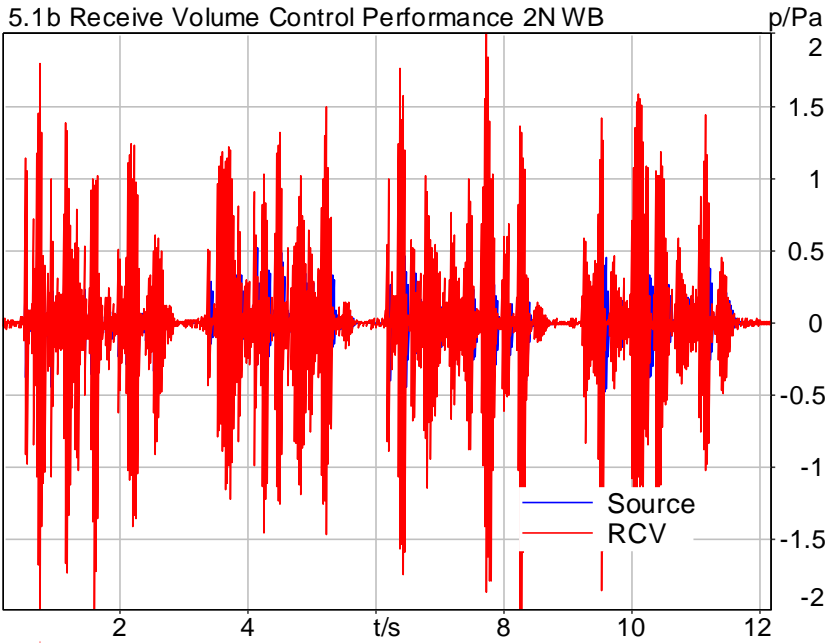
Limits

	lower
Run 1	88.00 dB20uPa



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

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



Speech Level RCV: 96.45 dB[SPL], Act.: 2.03% Ok

Ok

2024/3/5 上午 11:49 ACQUA 5.1.200

Limits

	lower
Run 1	76.00 dB20uPa