

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band2_AMR NB 4.75kbps_CH9400
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:41
Responsible Person	audio

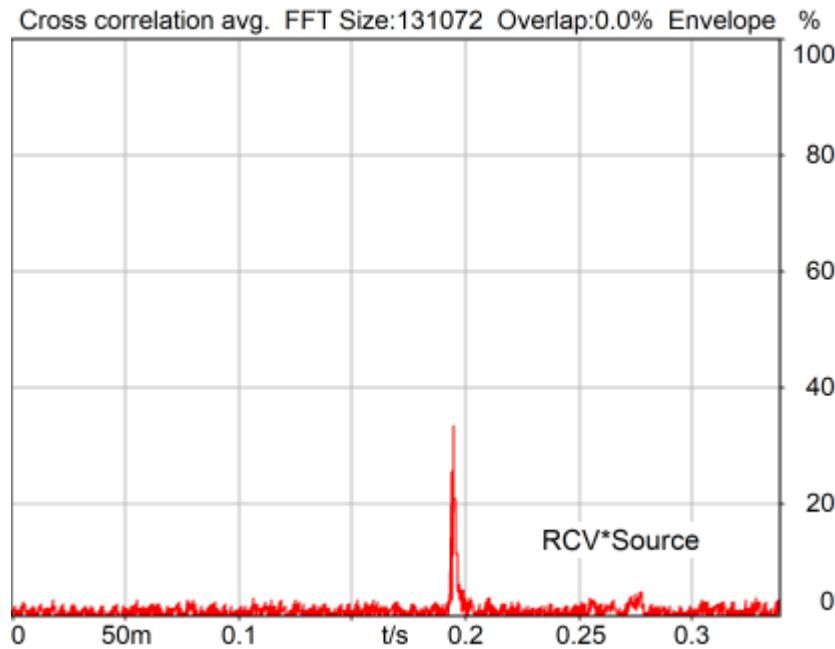
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	194.6	HUHAO_2403_WCDMA Band2_AMR NB 4.75kbps_CH9400
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	17.07	HUHAO_2403_WCDMA Band2_AMR NB 4.75kbps_CH9400
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	11.67	HUHAO_2403_WCDMA Band2_AMR NB 4.75kbps_CH9400

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

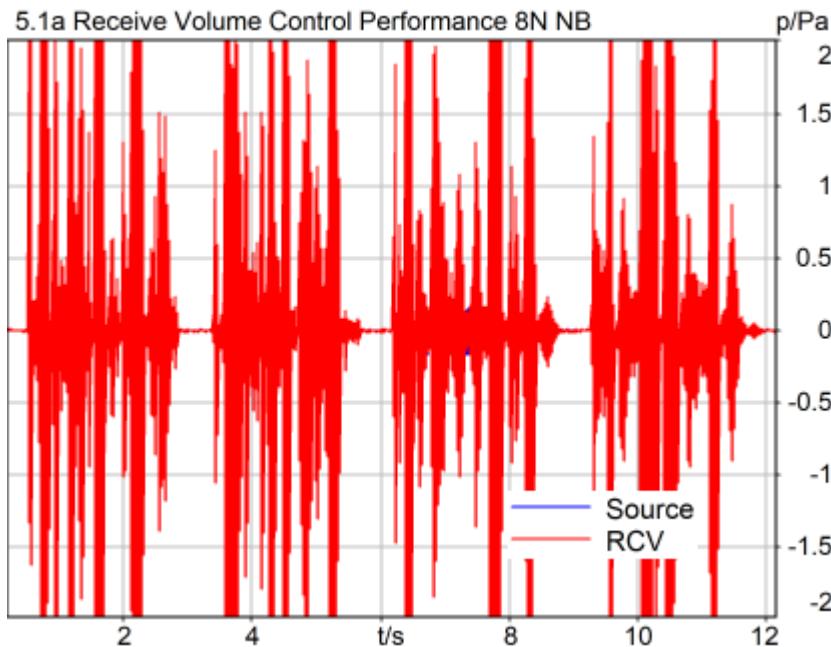


Channel	Delay
RCV*Source	194.6 ms

2025/2/5 17:14 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	87.07 dB[SPL]	80.36%	17.07 dB[SPL]	Ok

Ok

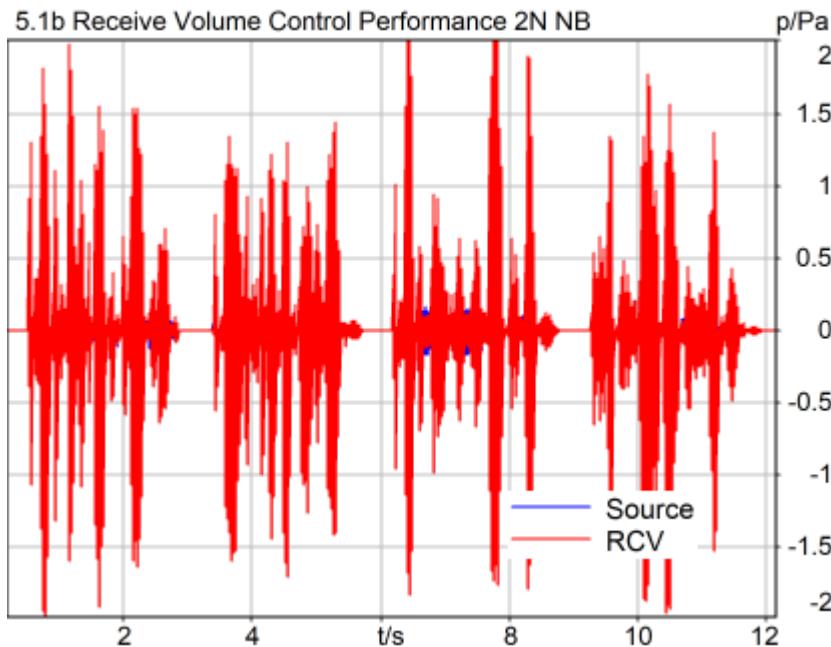
2025/2/5 17:14 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	81.67 dB[SPL]	79.96%	11.67 dB[SPL]	Ok

Ok

2025/2/5 17:18 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band2_AMR NB 12.2kbps_CH9400
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:41
Responsible Person	audio

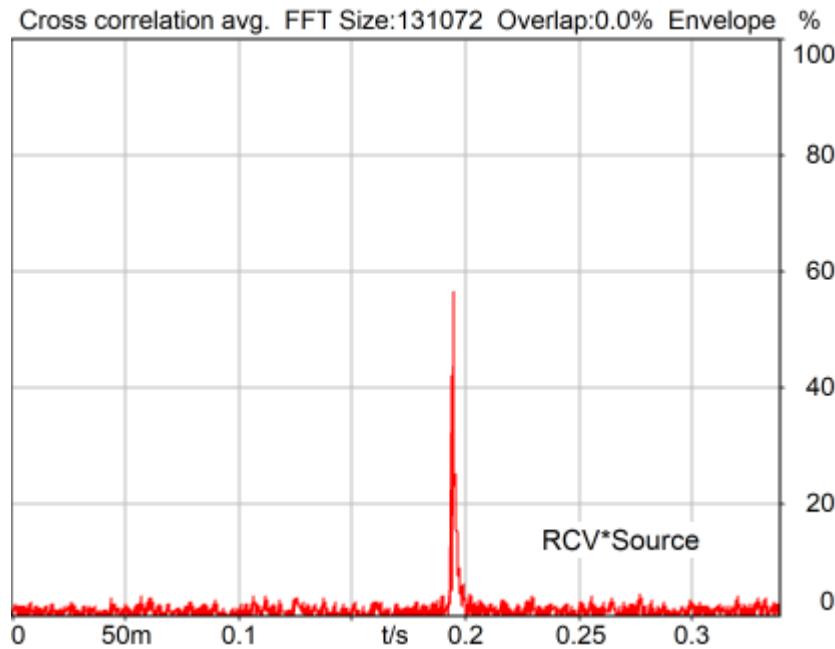
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	194.5	HUHAO_2403_WCDMA Band2_AMR NB 12.2kbps_CH9400
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	17.42	HUHAO_2403_WCDMA Band2_AMR NB 12.2kbps_CH9400
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	12.49	HUHAO_2403_WCDMA Band2_AMR NB 12.2kbps_CH9400

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

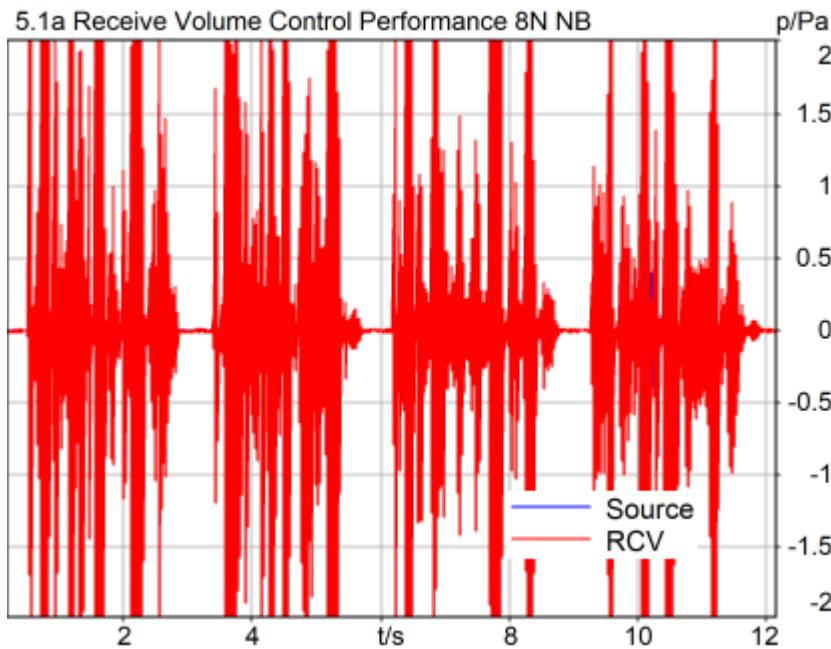


Channel	Delay
RCV*Source	194.5 ms

2025/2/5 17:16 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	87.42 dB[SPL]	81.45%	17.42 dB[SPL]	Ok

Ok

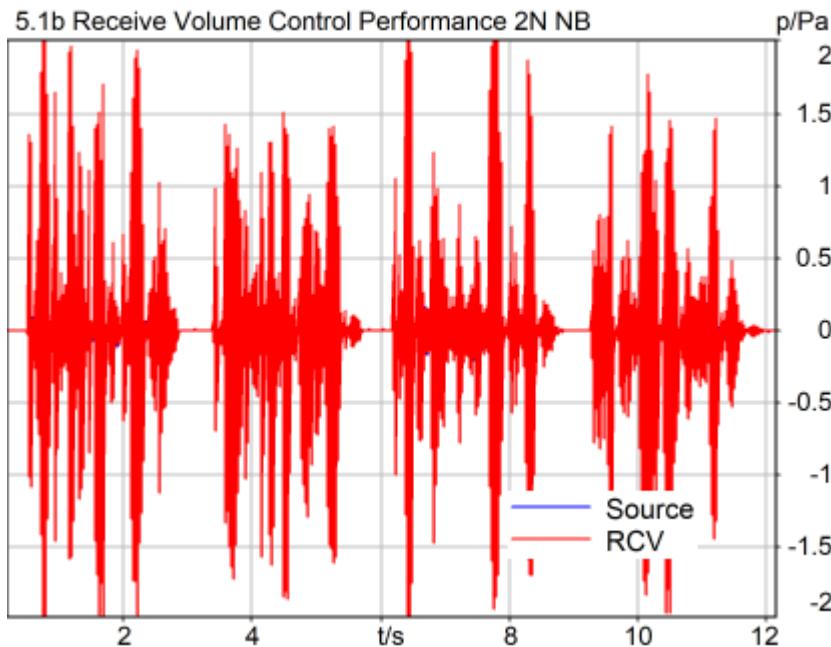
2025/2/5 17:16 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	82.49 dB[SPL]	80.44%	12.49 dB[SPL]	Ok

Ok

2025/2/5 17:17 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band2_AMR WB 6.6kbps_CH9400
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:42
Responsible Person	audio

Status Overview

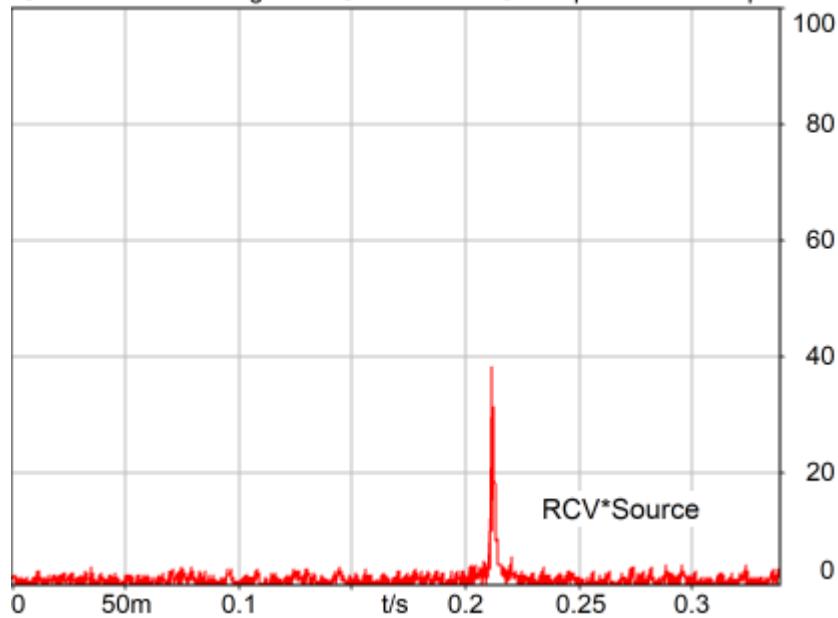
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	212.6	HUHAO_2403_WCDMA Band2_AMR WB 6.6kbps_CH9400
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	19.56	HUHAO_2403_WCDMA Band2_AMR WB 6.6kbps_CH9400
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	14.41	HUHAO_2403_WCDMA Band2_AMR WB 6.6kbps_CH9400

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

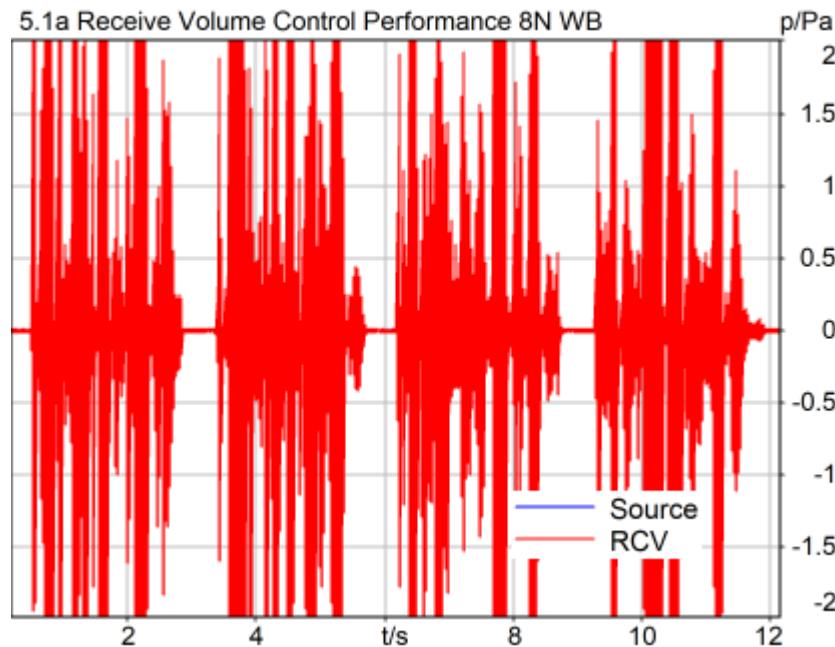


Channel	Delay
RCV*Source	212.6 ms

2025/2/5 17:20 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	89.56 dB[SPL]	81.90%	19.56 dB[SPL]	Ok

Ok

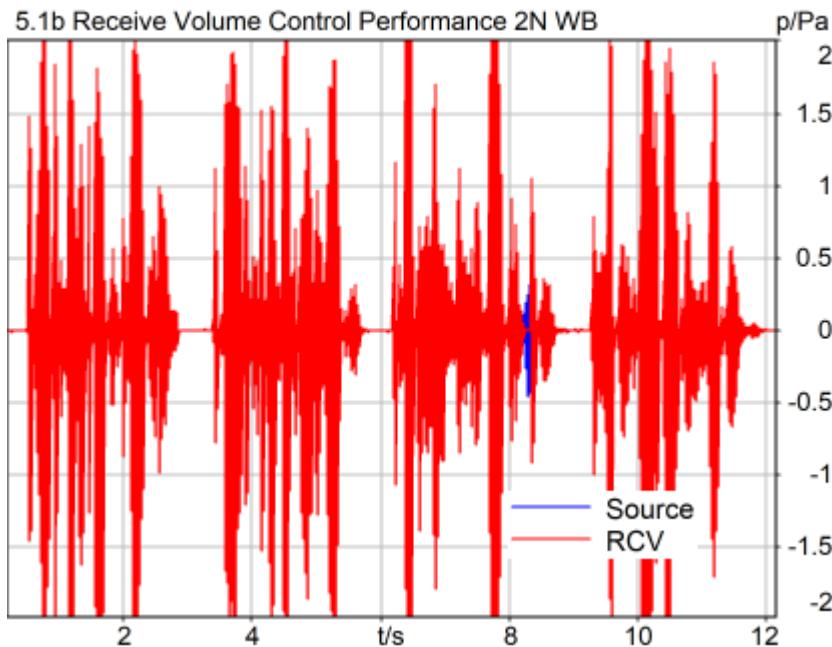
2025/2/5 17:21 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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

**Correction**

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	84.41 dB[SPL]	83.31%	14.41 dB[SPL]	Ok

Ok

2025/2/5 17:24 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band2_AMR WB 23.85kbps_CH9400
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:43
Responsible Person	audio

Status Overview

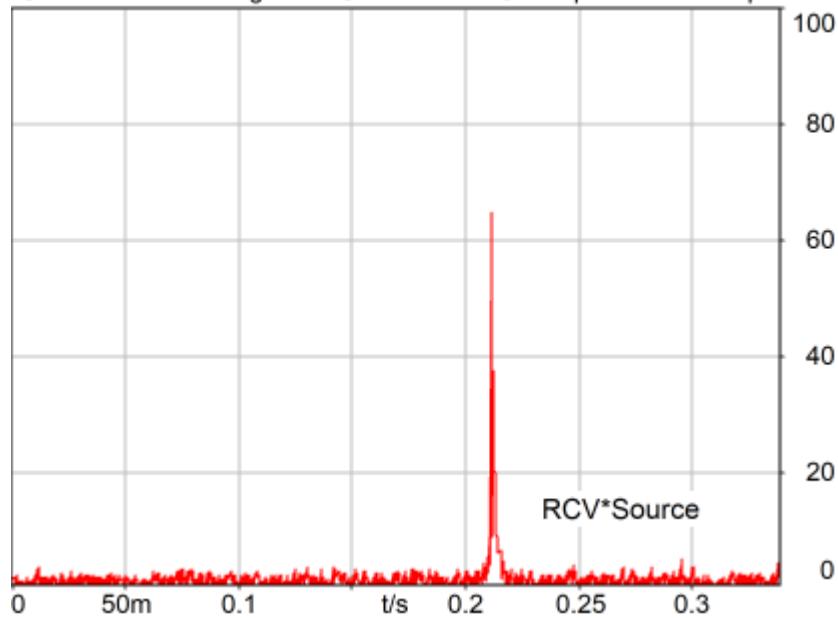
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	212.5	HUHAO_2403_WCDMA Band2_AMR WB 23.85kbps_CH9400
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	20.06	HUHAO_2403_WCDMA Band2_AMR WB 23.85kbps_CH9400
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	14.97	HUHAO_2403_WCDMA Band2_AMR WB 23.85kbps_CH9400

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

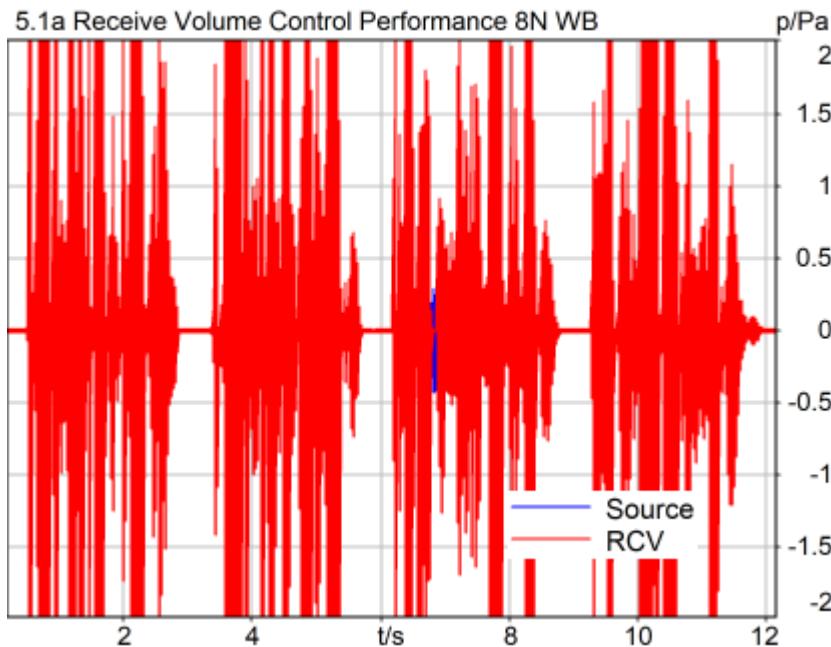


Channel	Delay
RCV*Source	212.5 ms

2025/2/5 17:21 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.06 dB[SPL]	83.87%	20.06 dB[SPL]	Ok

Ok

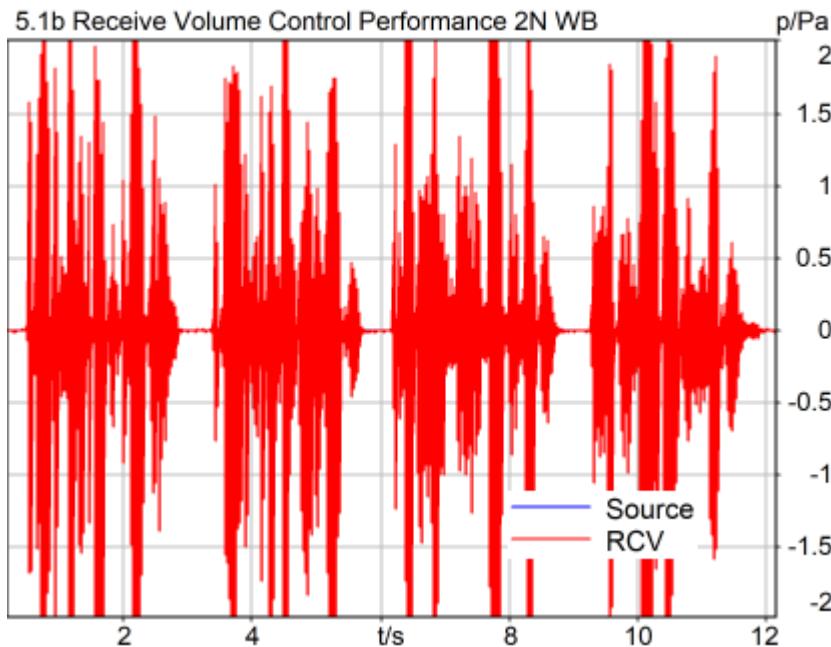
2025/2/5 17:22 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	84.97 dB[SPL]	83.98%	14.97 dB[SPL]	Ok

Ok

2025/2/5 17:23 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band5_AMR NB 4.75kbps_CH4182
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:44
Responsible Person	audio

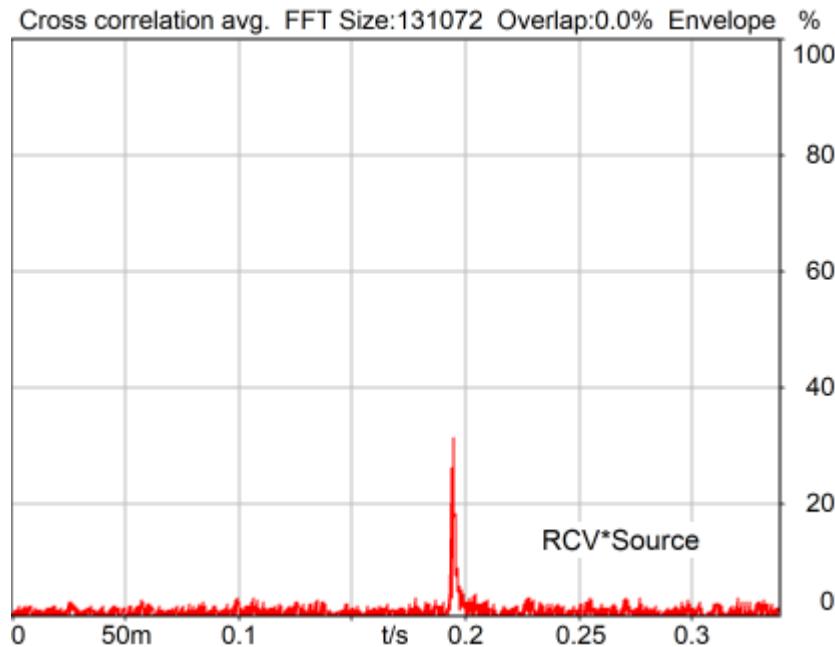
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	194.5	HUHAO_2403_WCDMA Band5_AMR NB 4.75kbps_CH4182
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	16.68	HUHAO_2403_WCDMA Band5_AMR NB 4.75kbps_CH4182
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	11.11	HUHAO_2403_WCDMA Band5_AMR NB 4.75kbps_CH4182

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

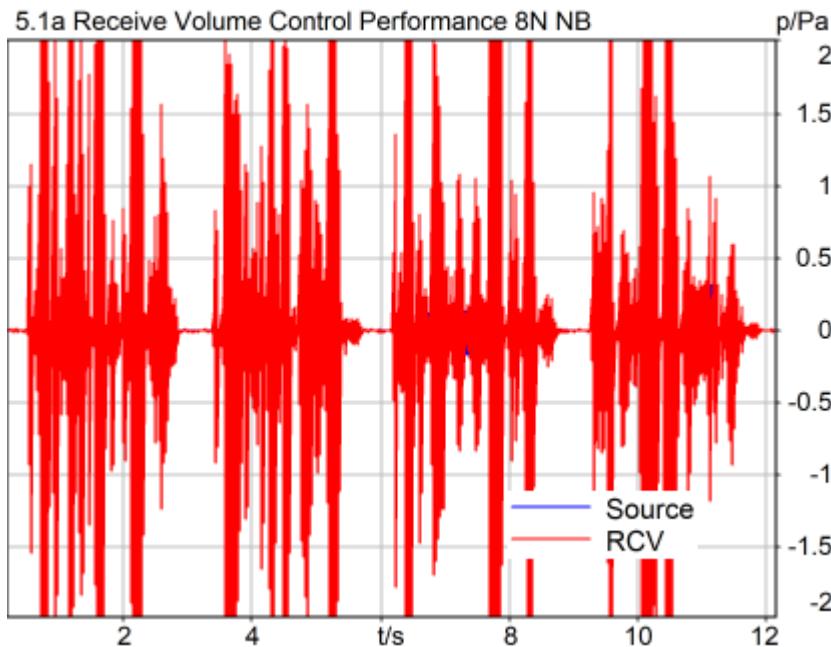


Channel	Delay
RCV*Source	194.5 ms

2025/2/6 9:28 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.68 dB[SPL]	80.07%	16.68 dB[SPL]	Ok

Ok

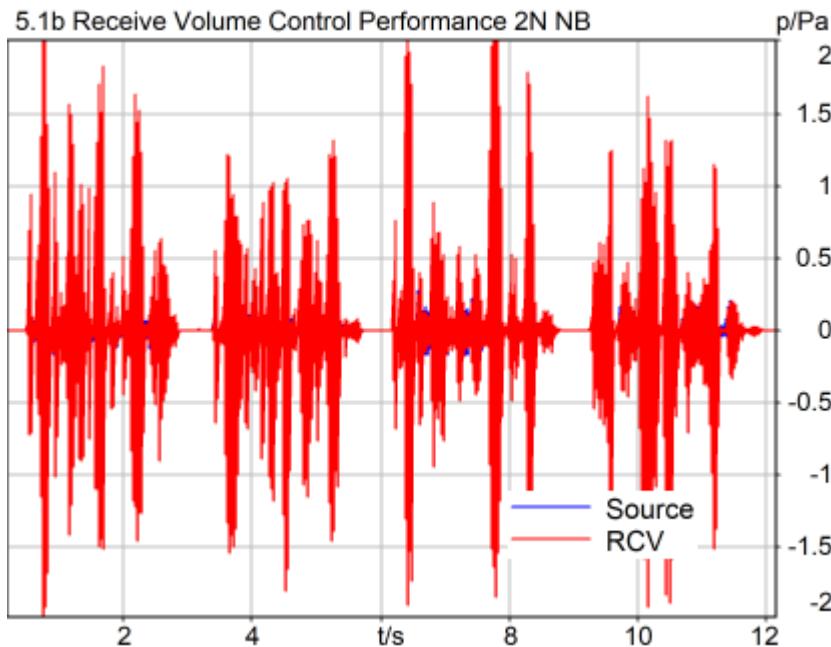
2025/2/6 9:29 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	81.11 dB[SPL]	79.39%	11.11 dB[SPL]	Ok

Ok

2025/2/6 9:25 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band5_AMR NB 4.75kbps_CH4182_Sample2
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:45
Responsible Person	audio

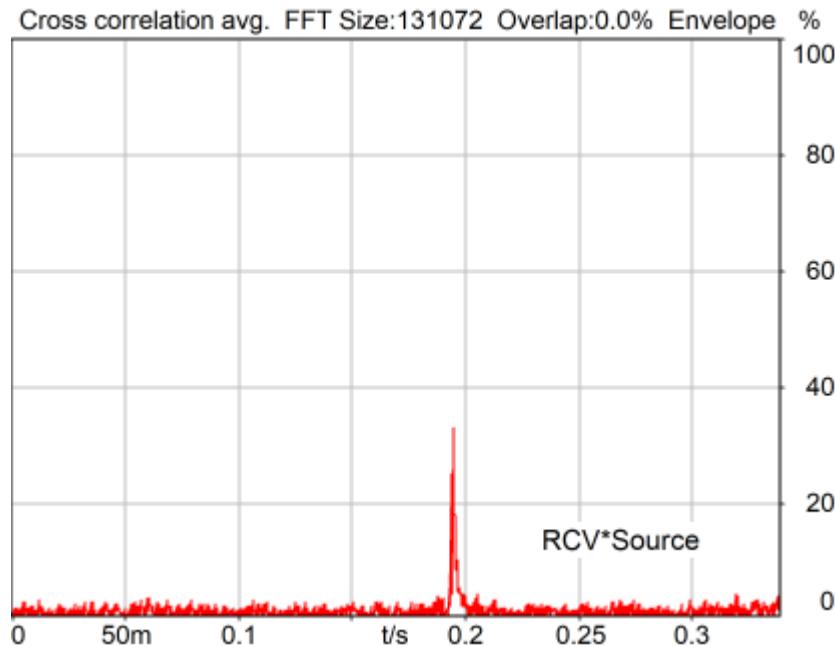
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	194.6	HUHAO_2403_WCDMA Band5_AMR NB 4.75kbps_CH4182_Sample2
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	16.93	HUHAO_2403_WCDMA Band5_AMR NB 4.75kbps_CH4182_Sample2
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	11.45	HUHAO_2403_WCDMA Band5_AMR NB 4.75kbps_CH4182_Sample2

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

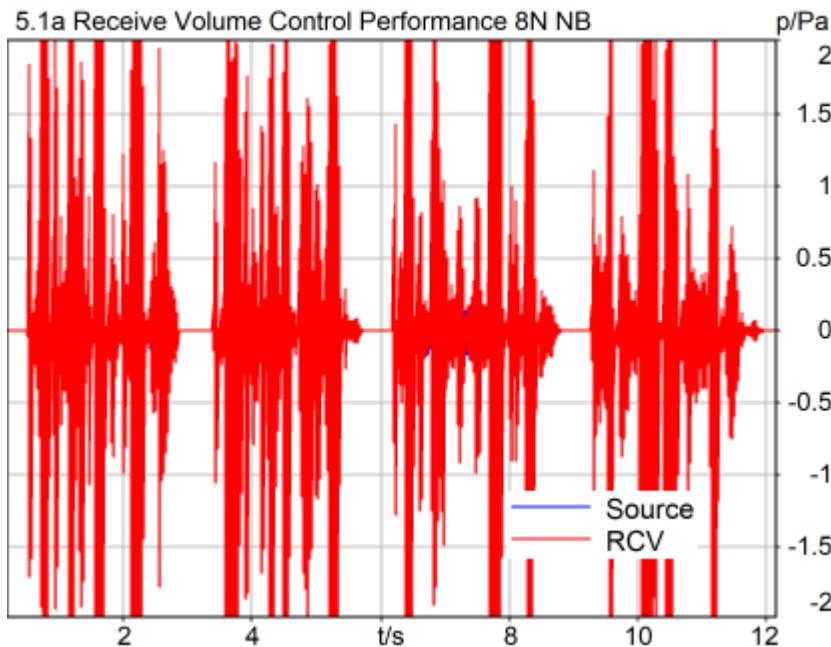


Channel	Delay
RCV*Source	194.6 ms

2025/3/19 9:40 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.93 dB[SPL]	80.14%	16.93 dB[SPL]	Ok

Ok

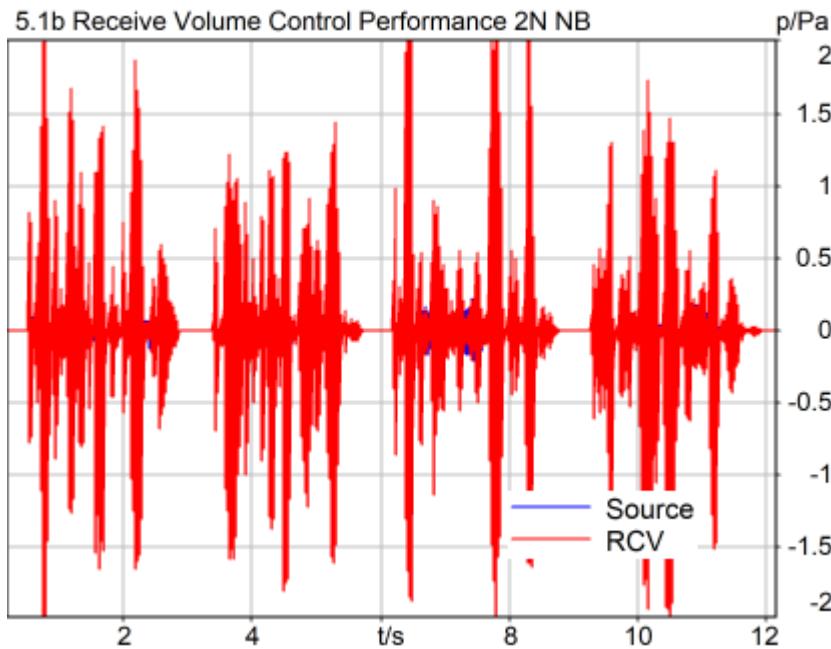
2025/3/19 9:40 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	81.45 dB[SPL]	80.12%	11.45 dB[SPL]	Ok

Ok

2025/3/19 9:42 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band5_AMR NB 12.2kbps_CH4182
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:44
Responsible Person	audio

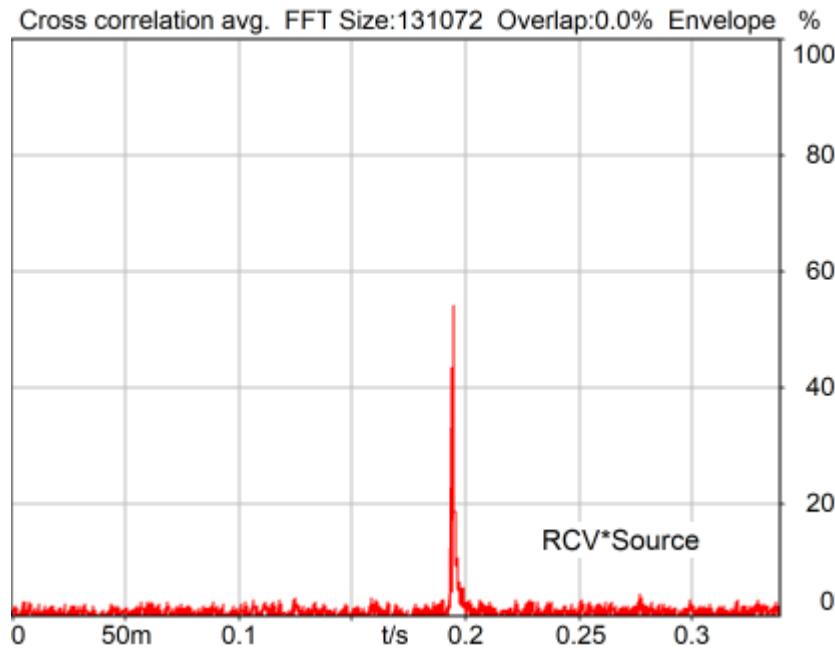
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	194.5	HUHAO_2403_WCDMA Band5_AMR NB 12.2kbps_CH4182
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	17.64	HUHAO_2403_WCDMA Band5_AMR NB 12.2kbps_CH4182
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	11.63	HUHAO_2403_WCDMA Band5_AMR NB 12.2kbps_CH4182

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

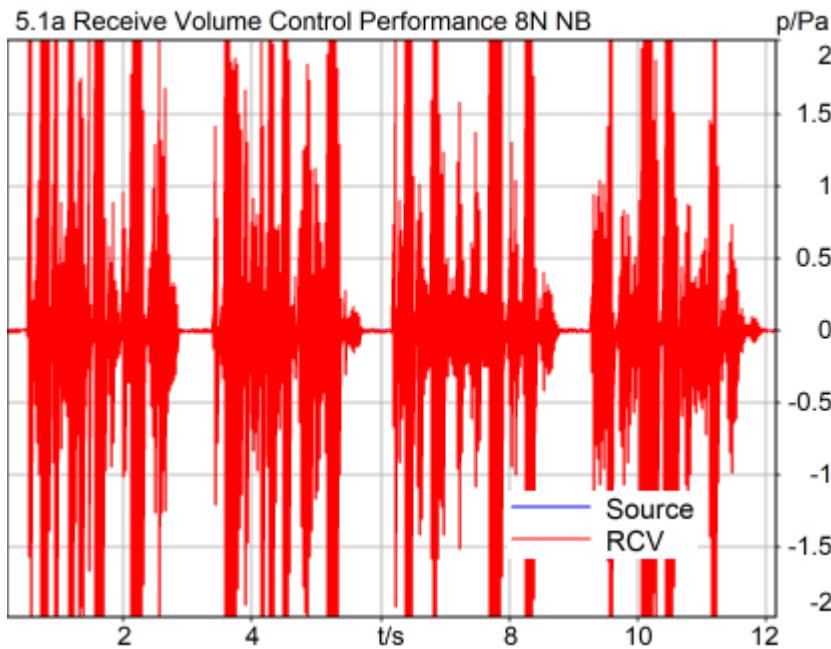


Channel	Delay
RCV*Source	194.5 ms

2025/2/6 9:27 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	87.64 dB[SPL]	81.37%	17.64 dB[SPL]	Ok

Ok

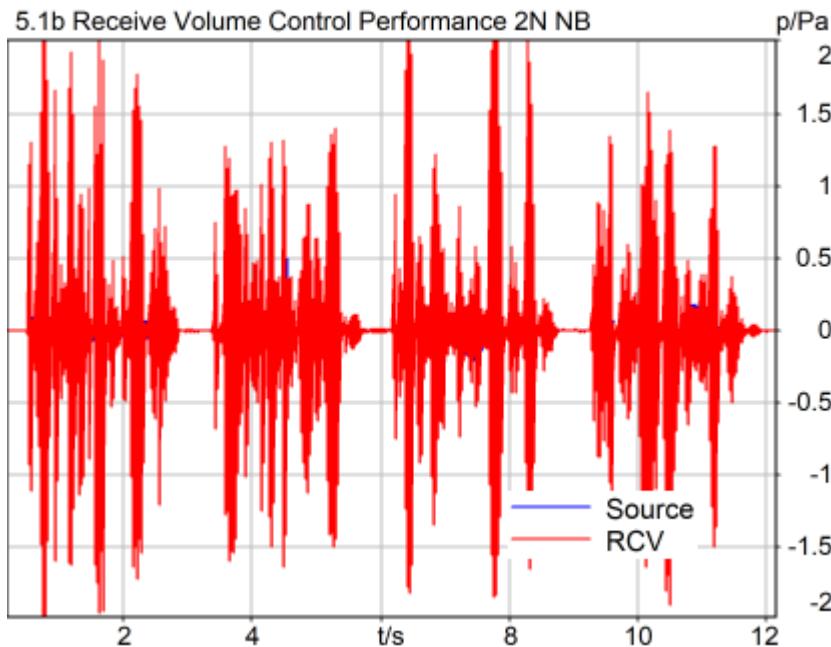
2025/2/6 9:28 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	81.63 dB[SPL]	81.72%	11.63 dB[SPL]	Ok

Ok

2025/2/6 9:27 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band5_AMR WB 6.6kbps_CH4182
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:45
Responsible Person	audio

Status Overview

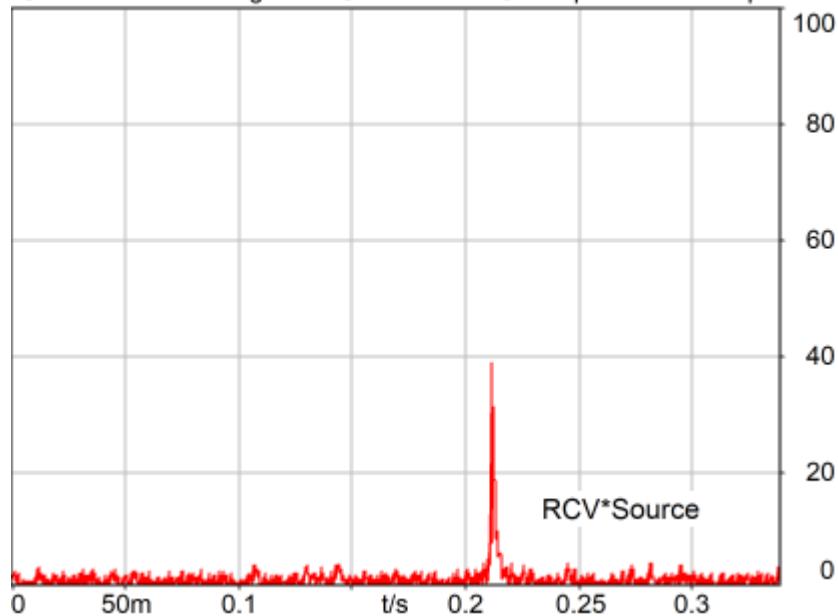
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	212.6	HUHAO_2403_WCDMA Band5_AMR WB 6.6kbps_CH4182
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	19.67	HUHAO_2403_WCDMA Band5_AMR WB 6.6kbps_CH4182
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	14.42	HUHAO_2403_WCDMA Band5_AMR WB 6.6kbps_CH4182

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

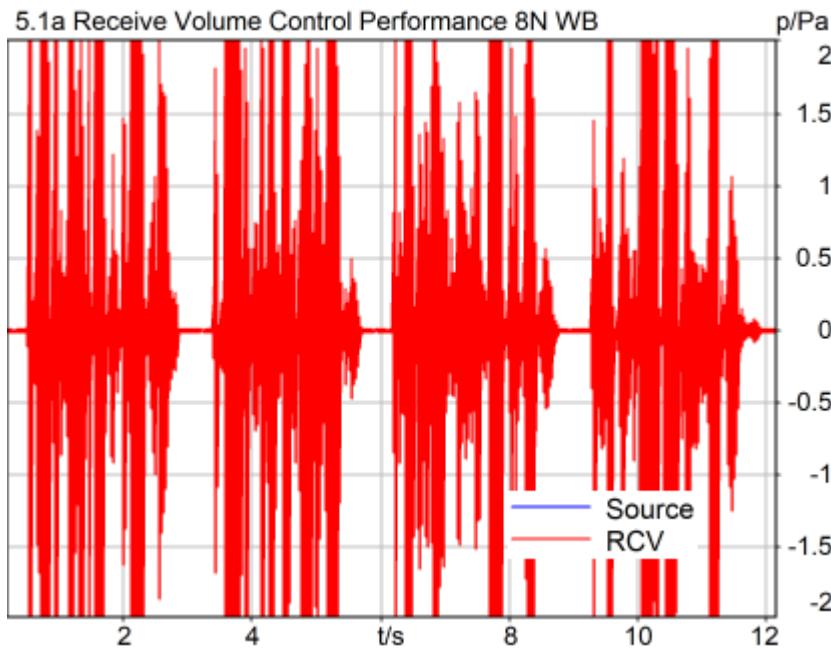


Channel	Delay
RCV*Source	212.6 ms

2025/2/5 17:30 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	89.67 dB[SPL]	81.62%	19.67 dB[SPL]	Ok

Ok

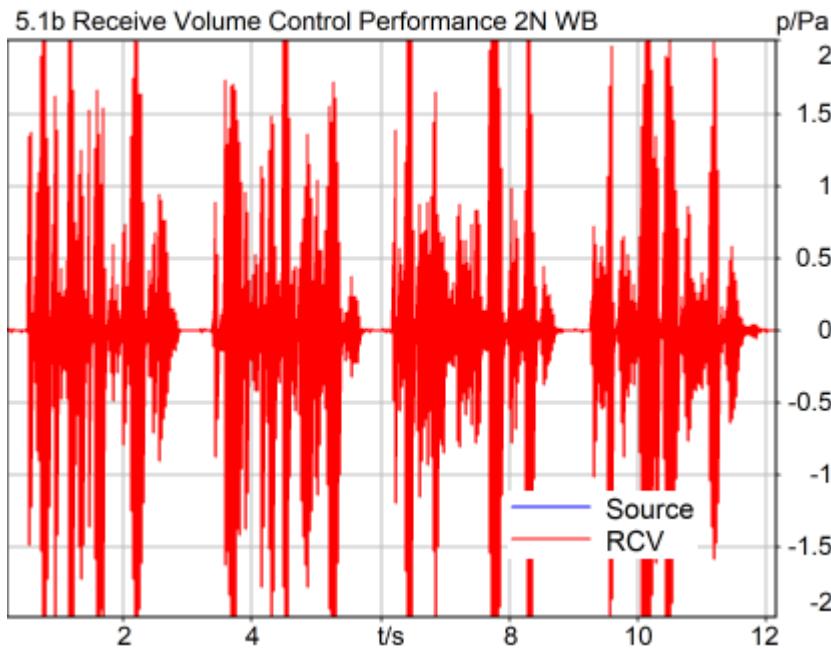
2025/2/5 17:30 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	84.42 dB[SPL]	81.73%	14.42 dB[SPL]	Ok

Ok

2025/2/5 17:28 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WCDMA Band5_AMR WB 23.85kbps_CH4182
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 10:46
Responsible Person	audio

Status Overview

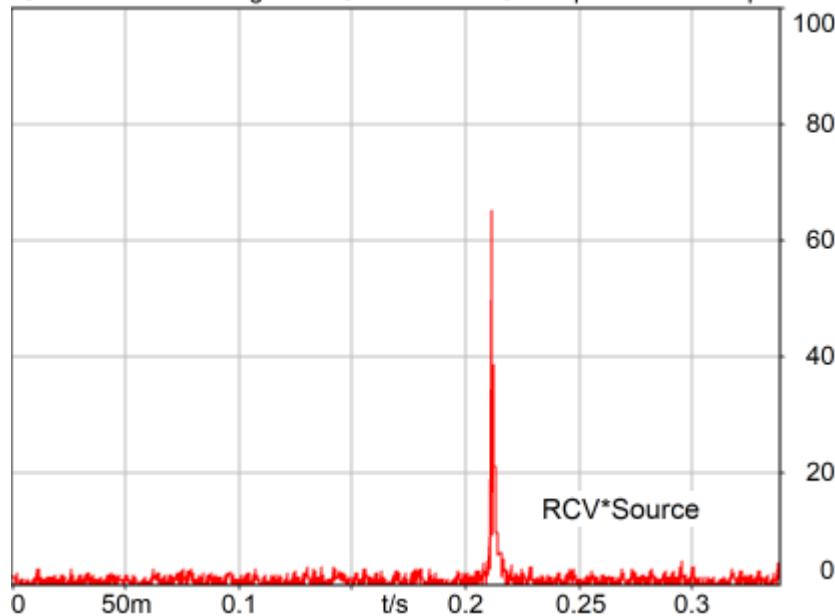
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	212.5	HUHAO_2403_WCDMA Band5_AMR WB 23.85kbps_CH4182
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	20.34	HUHAO_2403_WCDMA Band5_AMR WB 23.85kbps_CH4182
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	14.77	HUHAO_2403_WCDMA Band5_AMR WB 23.85kbps_CH4182

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

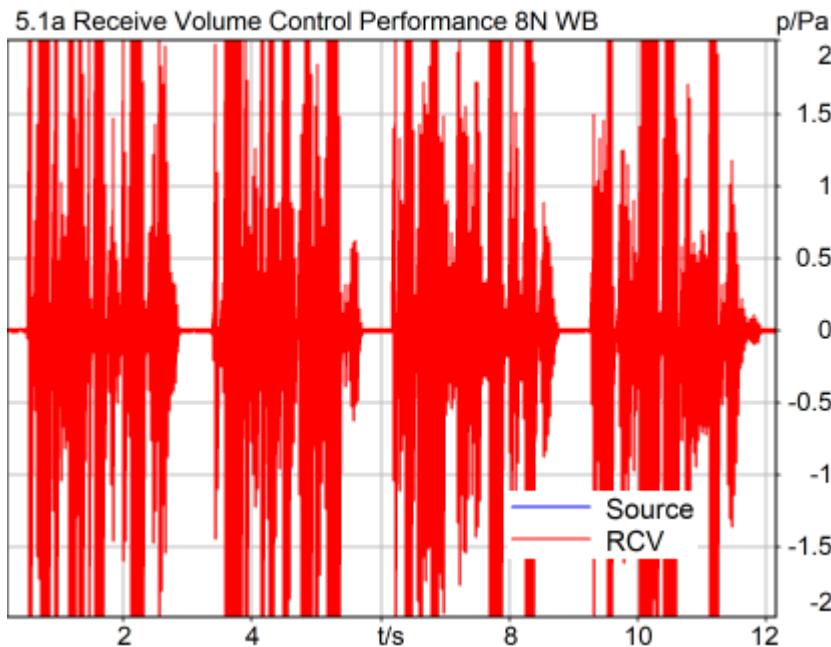


Channel	Delay
RCV*Source	212.5 ms

2025/2/5 17:29 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.34 dB[SPL]	83.78%	20.34 dB[SPL]	Ok

Ok

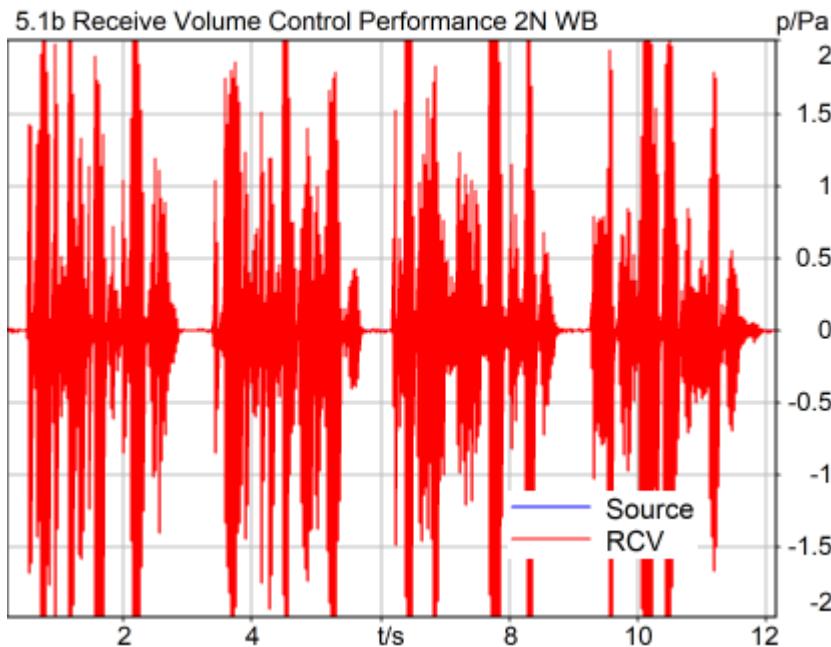
2025/2/5 17:29 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	84.77 dB[SPL]	84.27%	14.77 dB[SPL]	Ok

Ok

2025/2/5 17:29 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB 4.75kbps_CH157
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:20
Responsible Person	audio

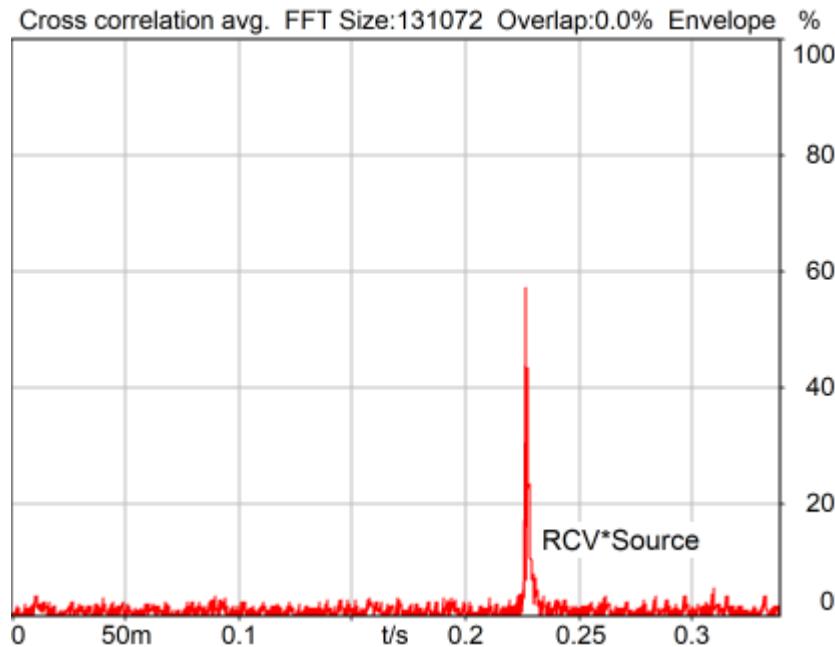
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	227.3	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB 4.75kbps_CH157
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.38	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB 4.75kbps_CH157
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.54	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB 4.75kbps_CH157

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

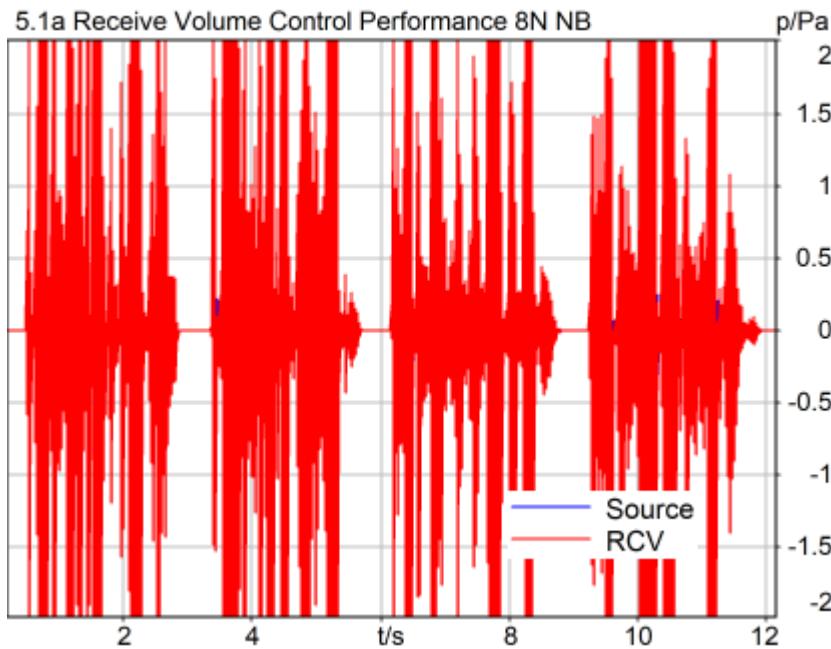


Channel	Delay
RCV*Source	227.3 ms

2025/2/14 16:40 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.38 dB[SPL]	80.60%	20.38 dB[SPL]	Ok

Ok

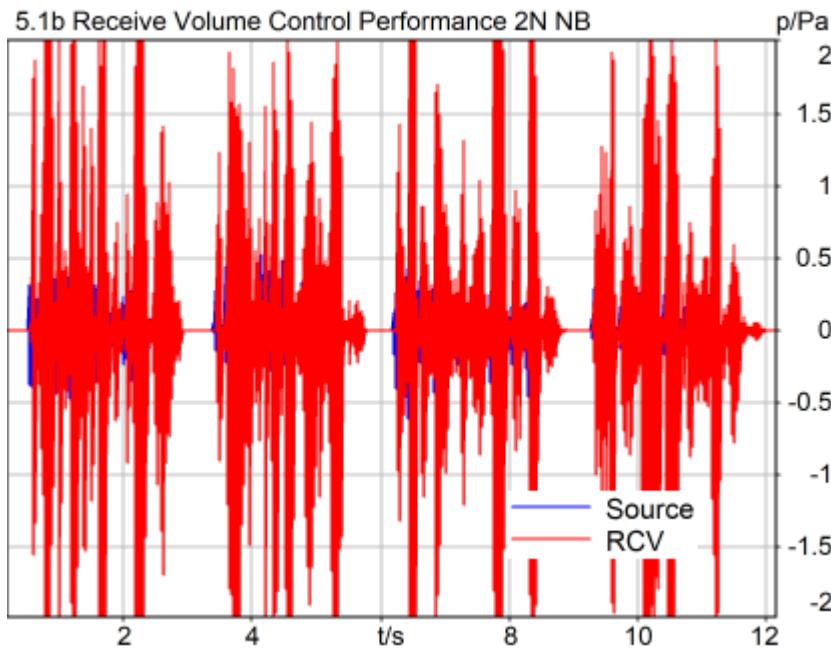
2025/2/14 16:40 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.54 dB[SPL]	80.65%	15.54 dB[SPL]	Ok

Ok

2025/2/14 16:37 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB 12.2kbps_CH157
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:21
Responsible Person	audio

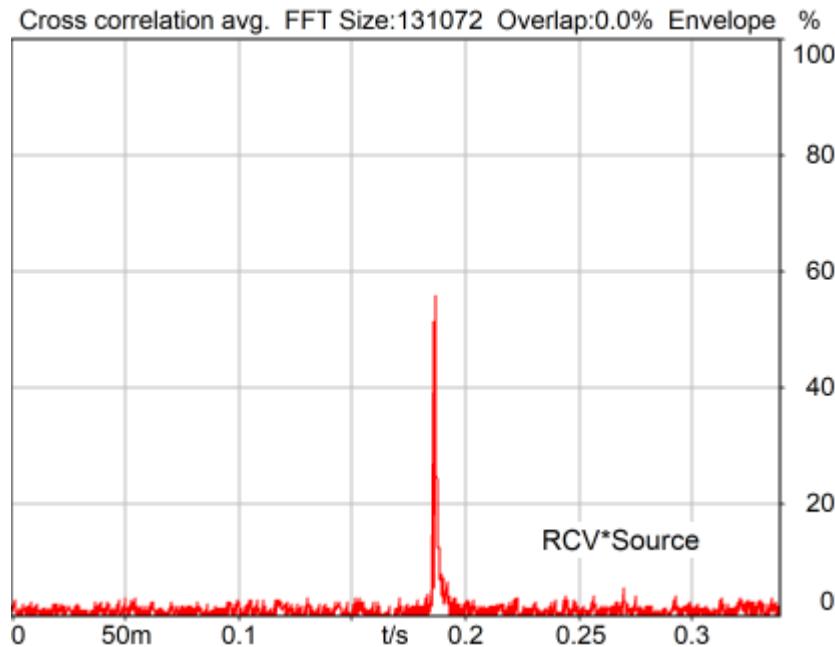
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	187.1	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB 12.2kbps_CH157
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.38	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB 12.2kbps_CH157
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.45	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB 12.2kbps_CH157

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

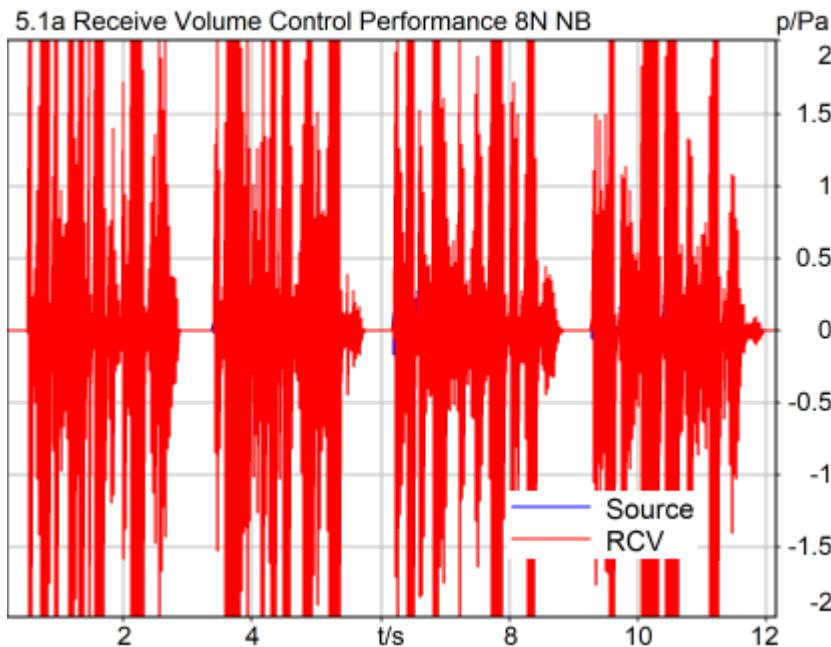


Channel	Delay
RCV*Source	187.1 ms

2025/2/14 16:39 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.38 dB[SPL]	80.60%	20.38 dB[SPL]	Ok

Ok

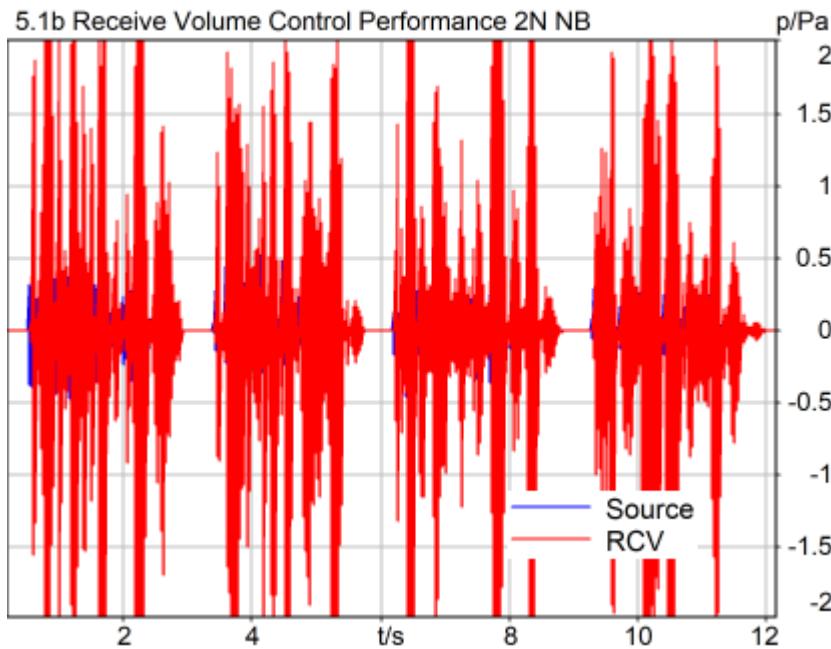
2025/2/14 16:39 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.45 dB[SPL]	80.95%	15.45 dB[SPL]	Ok

Ok

2025/2/14 16:38 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB4.75kbps_CH157_Sample2
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:24
Responsible Person	audio

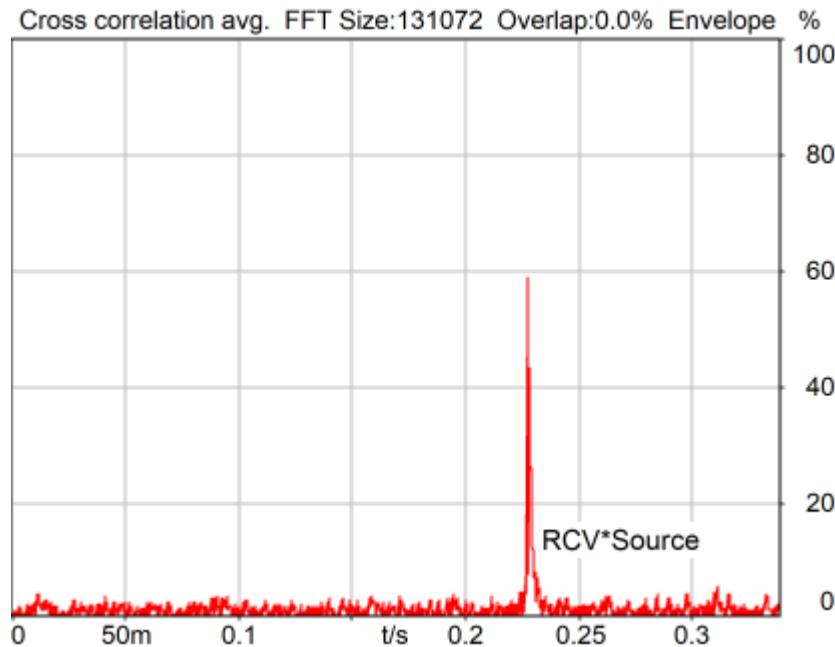
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	228.1	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB4.75kbps_CH157_Sample2
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	21.07	HUHAO_2403_WIFI 5G_802.11a 6M_AMR NB4.75kbps_CH157_Sample2

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4

Overall Receive Delay NB

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

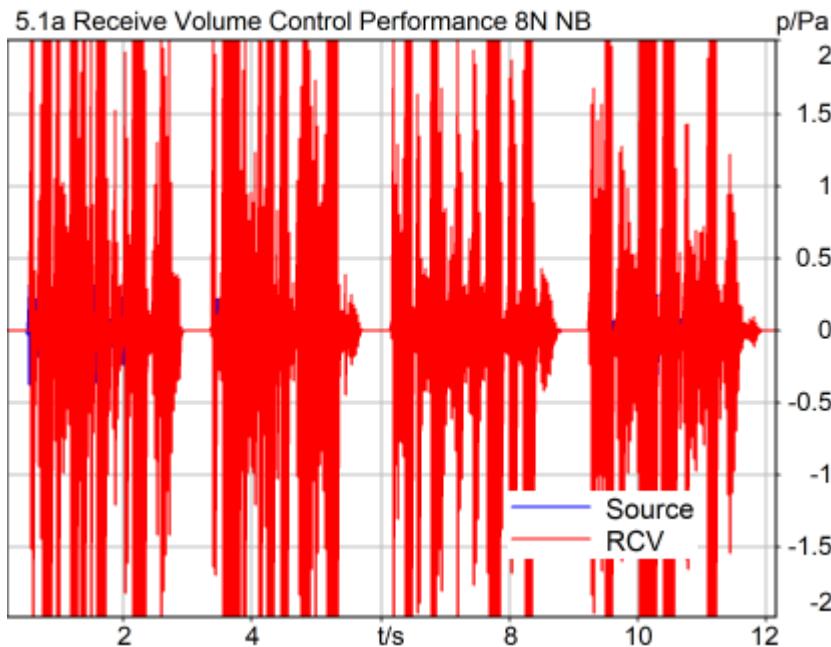


Channel	Delay
RCV*Source	228.1 ms

2025/3/19 15:44 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.07 dB[SPL]	80.46%	21.07 dB[SPL]	Ok

Ok

2025/3/19 15:44 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI 5G_802.11a 6M_AMR WB 6.6kbps_CH157
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:21
Responsible Person	audio

Status Overview

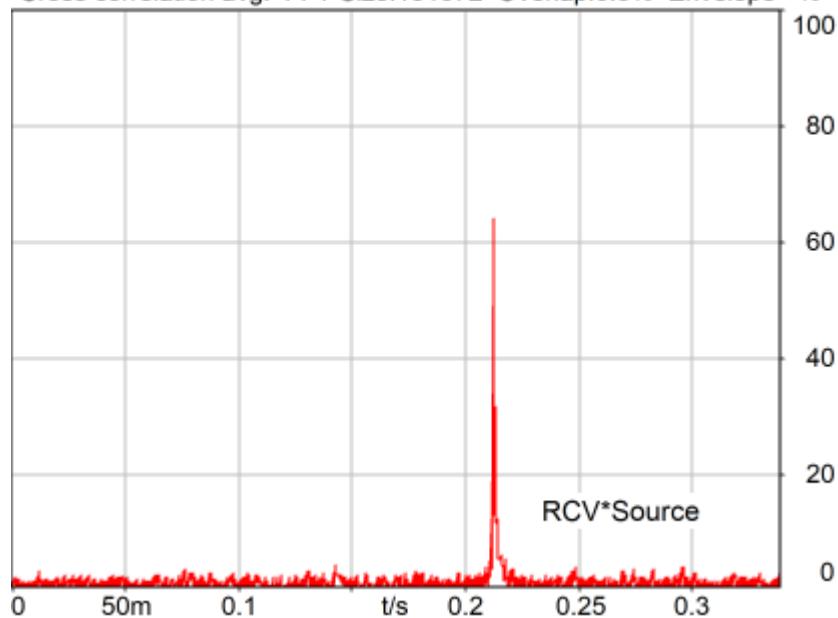
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	213.1	HUHAO_2403_WIFI 5G_802.11a 6M_AMR WB 6.6kbps_CH157
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.67	HUHAO_2403_WIFI 5G_802.11a 6M_AMR WB 6.6kbps_CH157
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.99	HUHAO_2403_WIFI 5G_802.11a 6M_AMR WB 6.6kbps_CH157

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

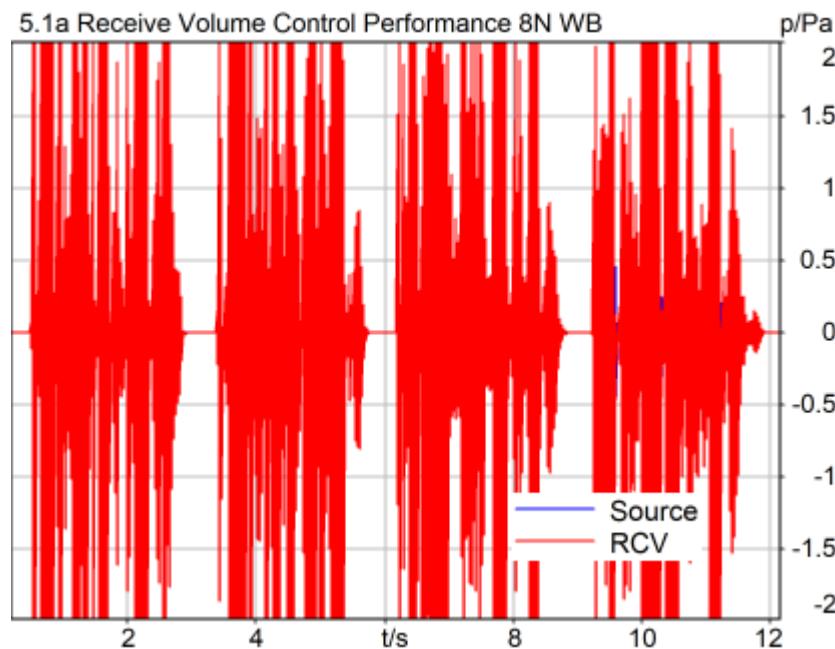


Channel	Delay
RCV*Source	213.1 ms

2025/2/14 16:42 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.67 dB[SPL]	84.27%	21.67 dB[SPL]	Ok

Ok

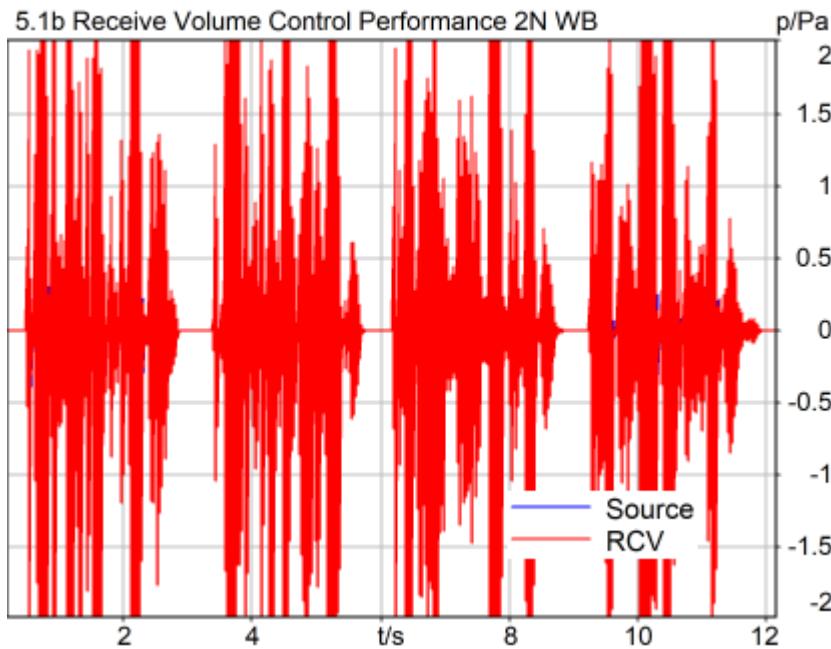
2025/2/14 16:42 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.99 dB[SPL]	83.93%	16.99 dB[SPL]	Ok

Ok

2025/2/14 16:45 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI 5G_802.11a 6M_AMR WB 23.85kbps_CH157
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:21
Responsible Person	audio

Status Overview

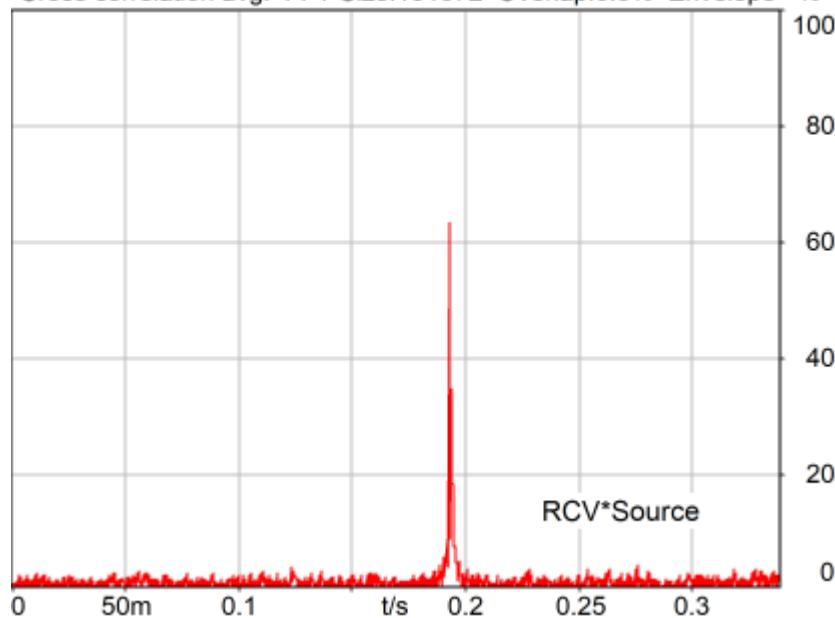
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	193.3	HUHAO_2403_WIFI 5G_802.11a 6M_AMR WB 23.85kbps_CH157
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.87	HUHAO_2403_WIFI 5G_802.11a 6M_AMR WB 23.85kbps_CH157
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.87	HUHAO_2403_WIFI 5G_802.11a 6M_AMR WB 23.85kbps_CH157

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

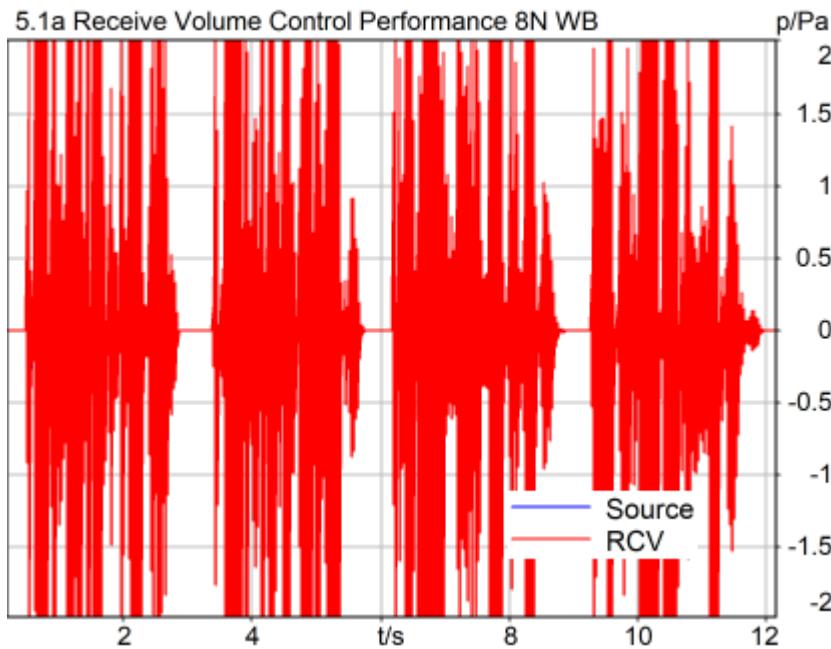


Channel	Delay
RCV*Source	193.3 ms

2025/2/14 16:43 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.87 dB[SPL]	83.64%	21.87 dB[SPL]	Ok

Ok

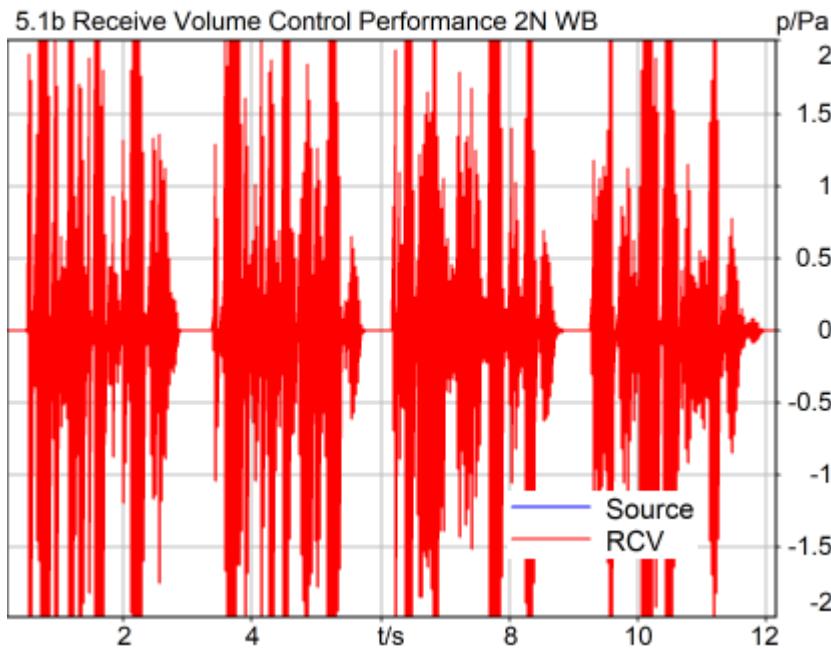
2025/2/14 16:43 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.87 dB[SPL]	84.08%	16.87 dB[SPL]	Ok

Ok

2025/2/14 16:44 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI 5G_802.11a 6M_EVS NB 5.9kbps_CH157
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:22
Responsible Person	audio

Status Overview

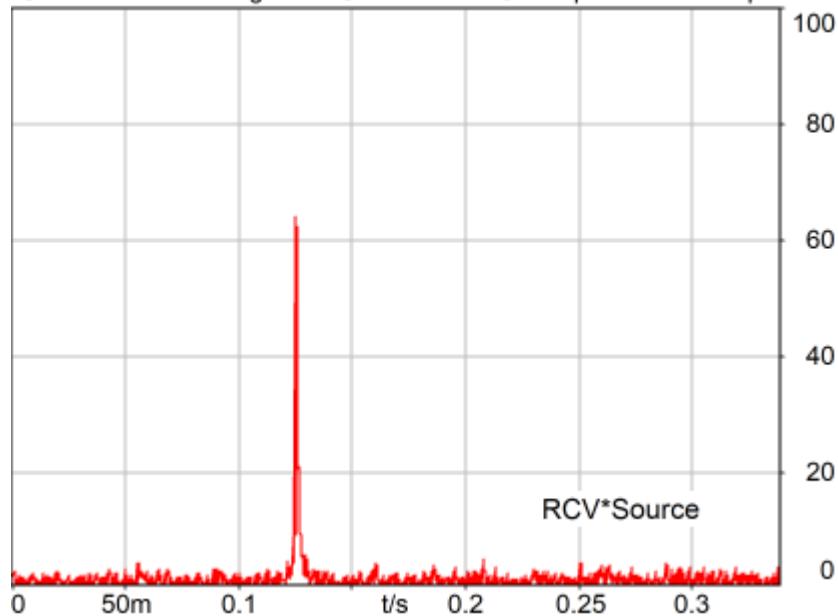
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	125.6	HUHAO_2403_WIFI 5G_802.11a 6M_EVS NB 5.9kbps_CH157
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	21.39	HUHAO_2403_WIFI 5G_802.11a 6M_EVS NB 5.9kbps_CH157
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	16.71	HUHAO_2403_WIFI 5G_802.11a 6M_EVS NB 5.9kbps_CH157

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

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

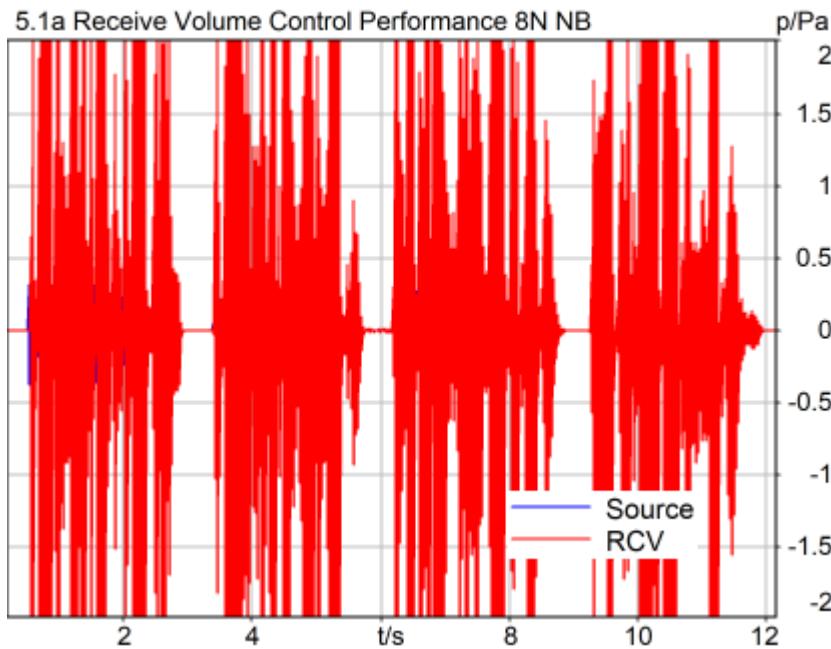


Channel	Delay
RCV*Source	125.6 ms

2025/2/14 16:34 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.39 dB[SPL]	84.33%	21.39 dB[SPL]	Ok

Ok

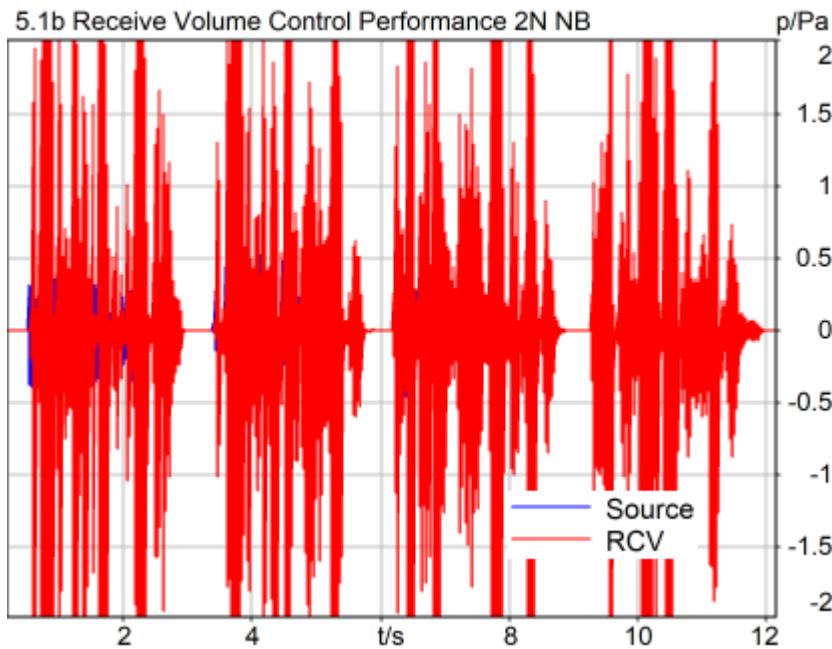
2025/2/14 16:34 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.71 dB[SPL]	84.45%	16.71 dB[SPL]	Ok

Ok

2025/2/14 16:35 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI 5G_802.11a 6M_EVS WB 9.6kbps_CH157
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:22
Responsible Person	audio

Status Overview

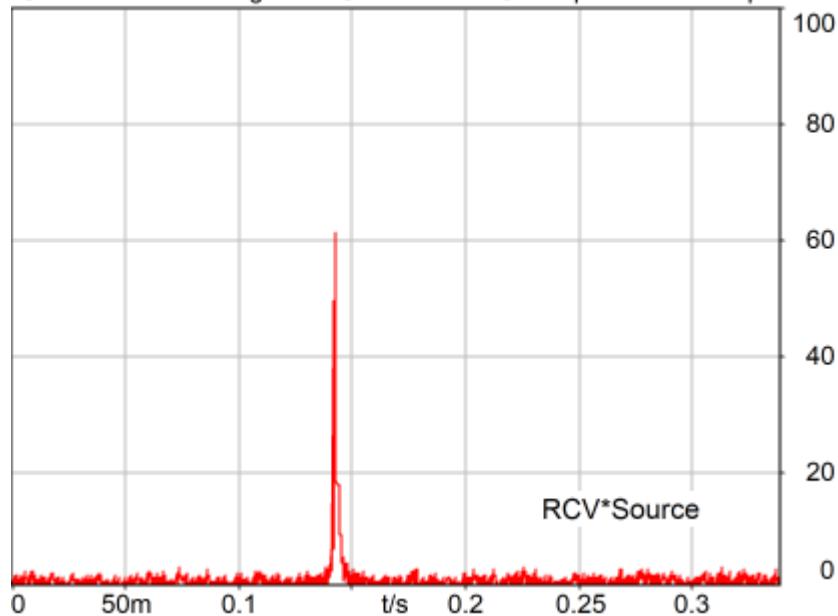
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	143.1	HUHAO_2403_WIFI 5G_802.11a 6M_EVS WB 9.6kbps_CH157
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.67	HUHAO_2403_WIFI 5G_802.11a 6M_EVS WB 9.6kbps_CH157
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.55	HUHAO_2403_WIFI 5G_802.11a 6M_EVS WB 9.6kbps_CH157

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

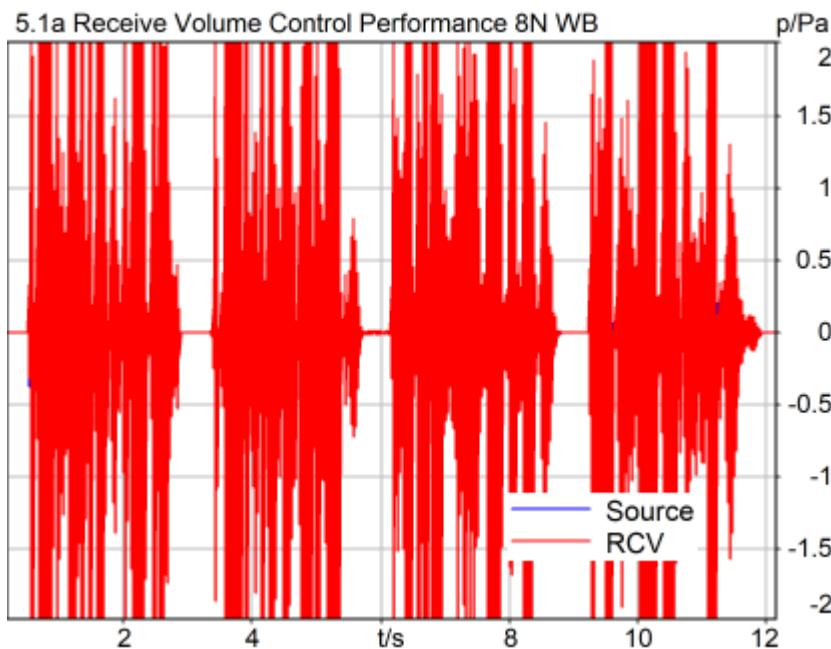


Channel	Delay
RCV*Source	143.1 ms

2025/2/14 17:29 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.67 dB[SPL]	84.20%	21.67 dB[SPL]	Ok

Ok

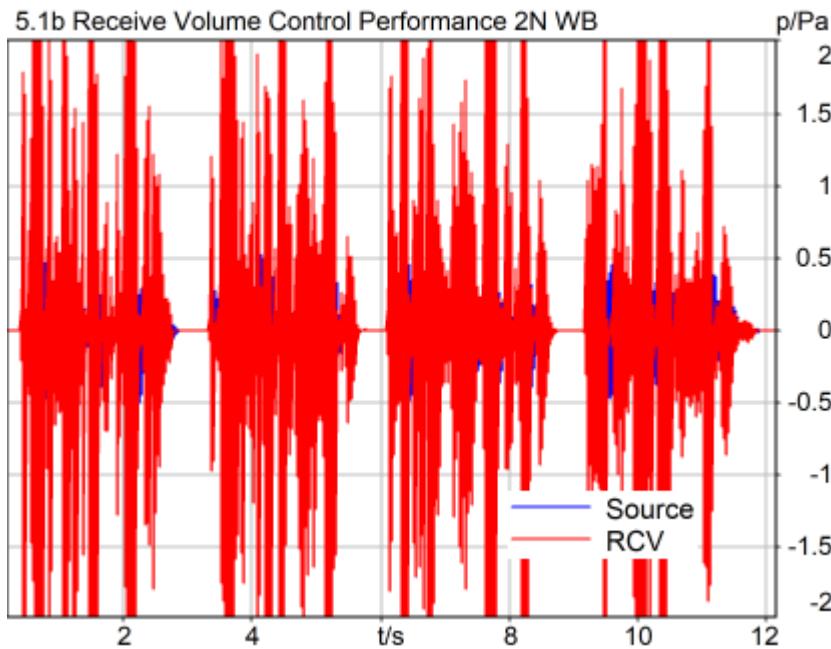
2025/2/14 17:29 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.55 dB[SPL]	84.54%	16.55 dB[SPL]	Ok

Ok

2025/2/14 17:28 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI2.4G_802.11b_11M_AMR_NB_4.75kbps_CH6
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:02
Responsible Person	audio

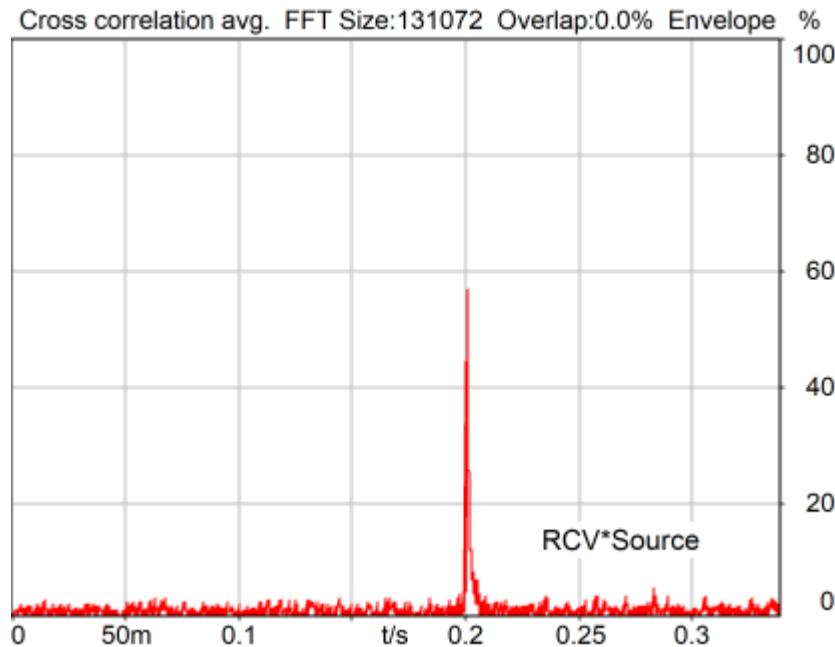
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	200.9	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR NB 4.75kbps_CH6
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	21.00	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR NB 4.75kbps_CH6
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.65	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR NB 4.75kbps_CH6

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

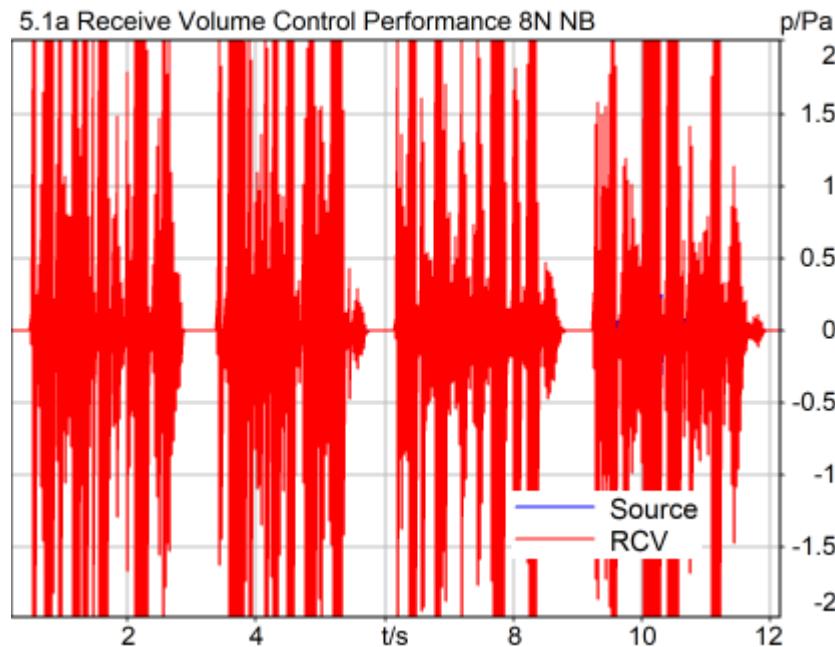


Channel	Delay
RCV*Source	200.9 ms

2025/2/6 14:49 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.00 dB[SPL]	80.34%	21.00 dB[SPL]	Ok

Ok

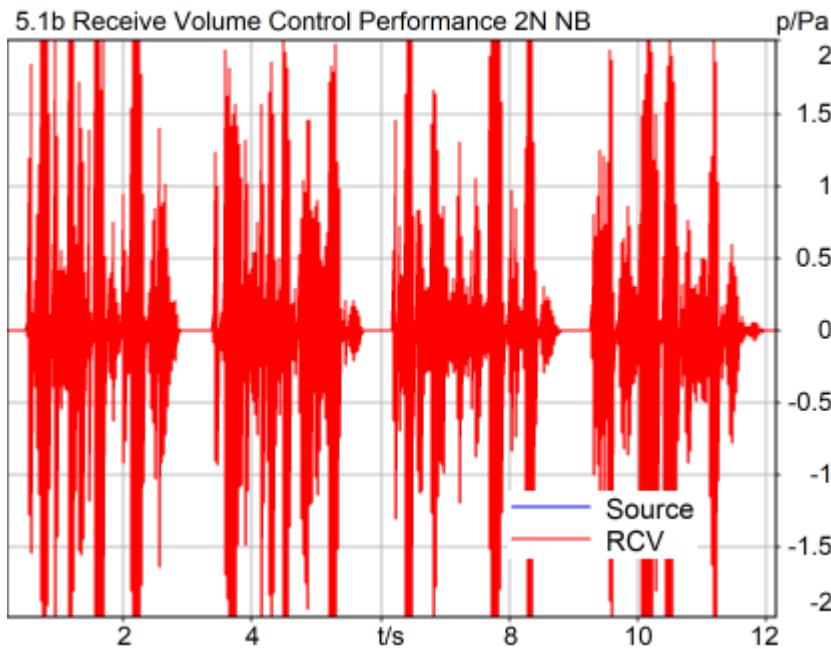
2025/2/6 14:49 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.65 dB[SPL]	80.39%	15.65 dB[SPL]	Ok

Ok

2025/2/6 14:55 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR NB12.2kbps_CH6
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:02
Responsible Person	audio

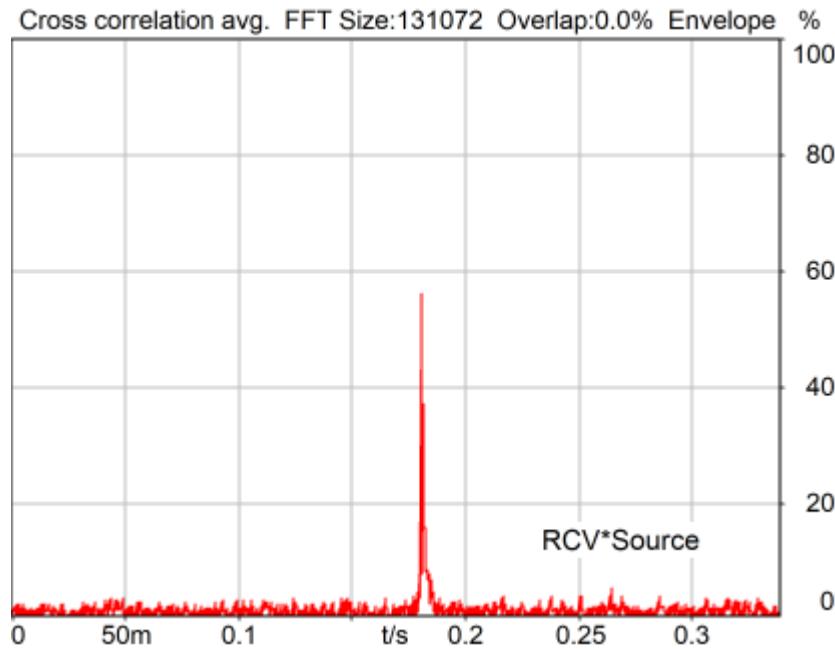
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	181.2	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR NB12.2kbps_CH6
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.90	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR NB12.2kbps_CH6
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.68	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR NB12.2kbps_CH6

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

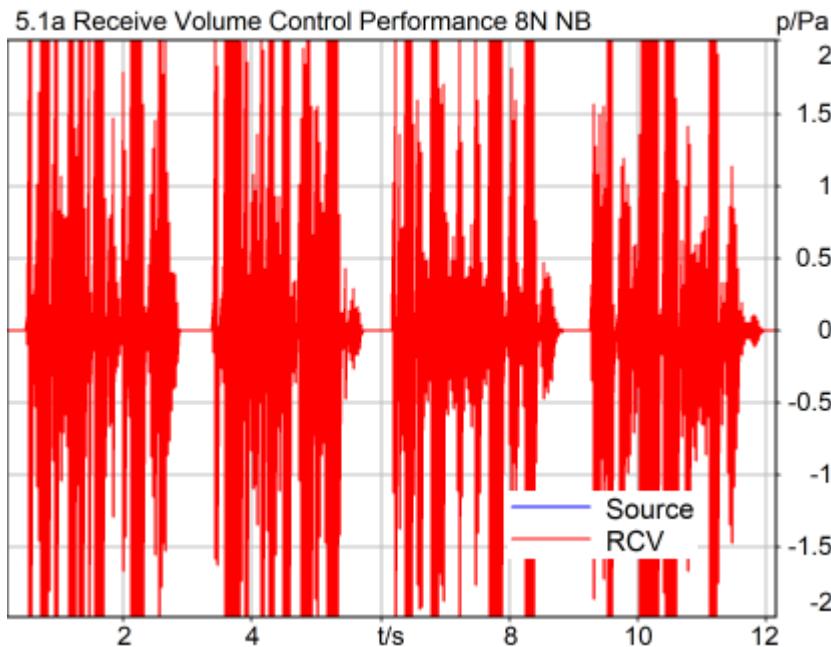


Channel	Delay
RCV*Source	181.2 ms

2025/2/6 14:51 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.90 dB[SPL]	80.35%	20.90 dB[SPL]	Ok

Ok

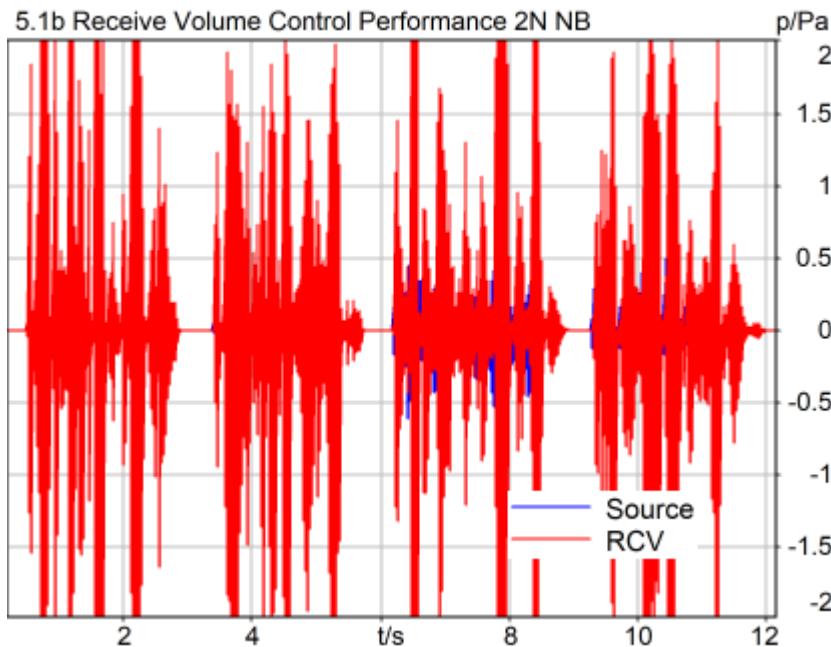
2025/2/6 14:52 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.68 dB[SPL]	81.15%	15.68 dB[SPL]	Ok

Ok

2025/2/6 14:53 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR WB 6.6kbps_CH6
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:02
Responsible Person	audio

Status Overview

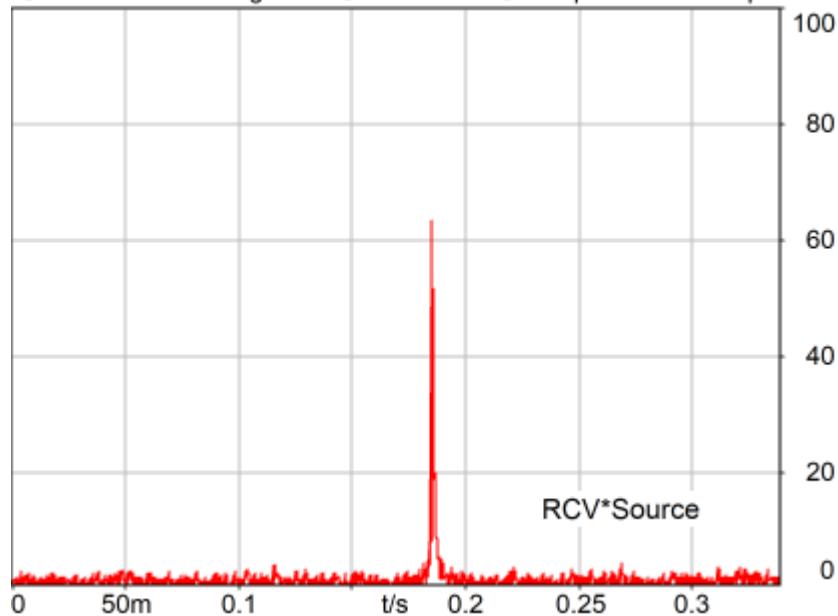
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	186.1	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR WB 6.6kbps_CH6
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.23	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR WB 6.6kbps_CH6
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.84	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR WB 6.6kbps_CH6

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

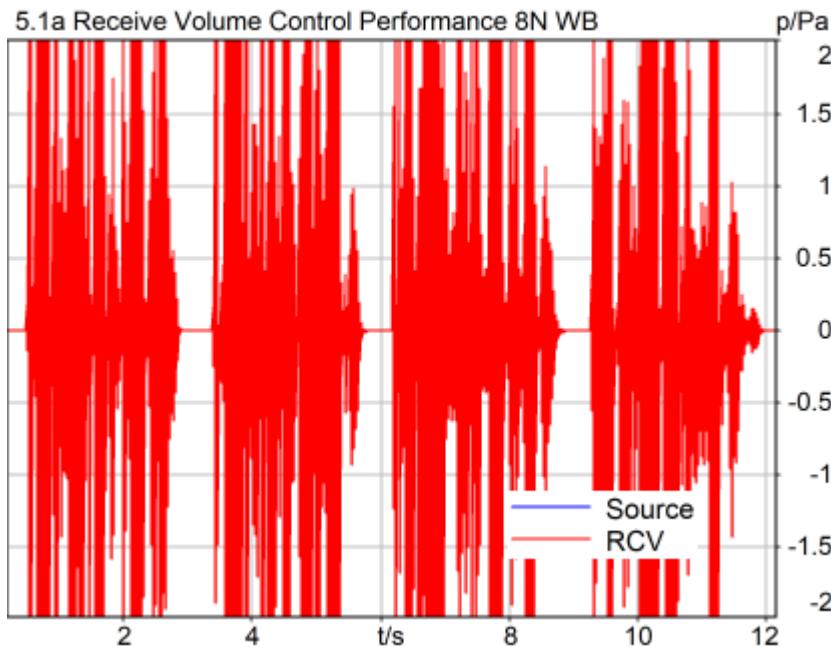


Channel	Delay
RCV*Source	186.1 ms

2025/2/6 14:45 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.23 dB[SPL]	83.86%	22.23 dB[SPL]	Ok

Ok

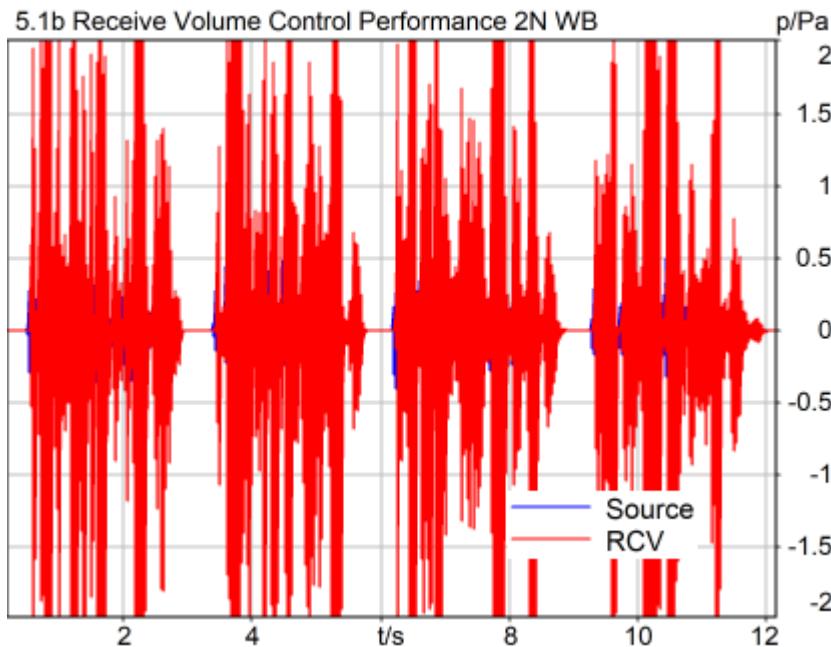
2025/2/6 14:46 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.84 dB[SPL]	84.33%	16.84 dB[SPL]	Ok

Ok

2025/2/6 14:45 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR WB 23.85kbps_CH6
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:03
Responsible Person	audio

Status Overview

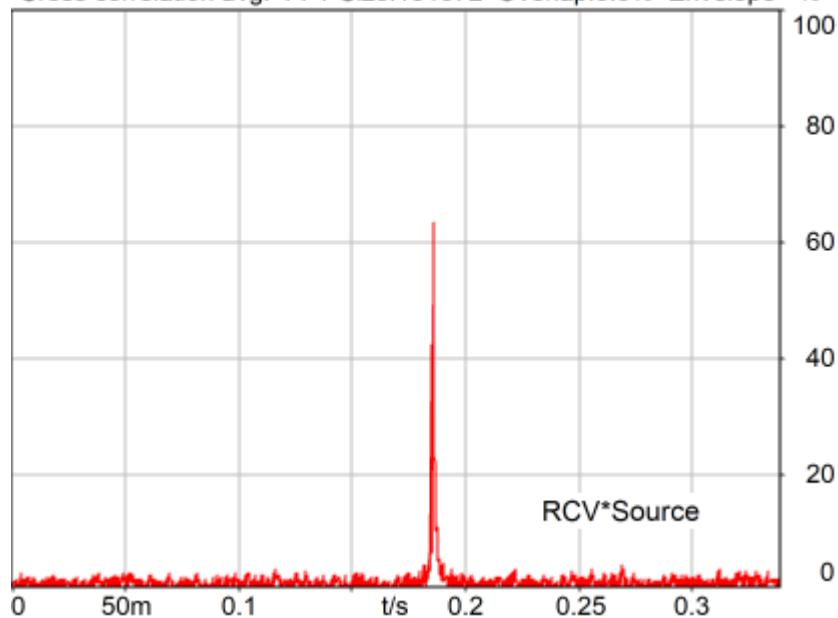
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	186.3	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR WB 23.85kbps_CH6
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.21	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR WB 23.85kbps_CH6
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.95	HUHAO_2403_WIFI2.4G_802.11b 11M_AMR WB 23.85kbps_CH6

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

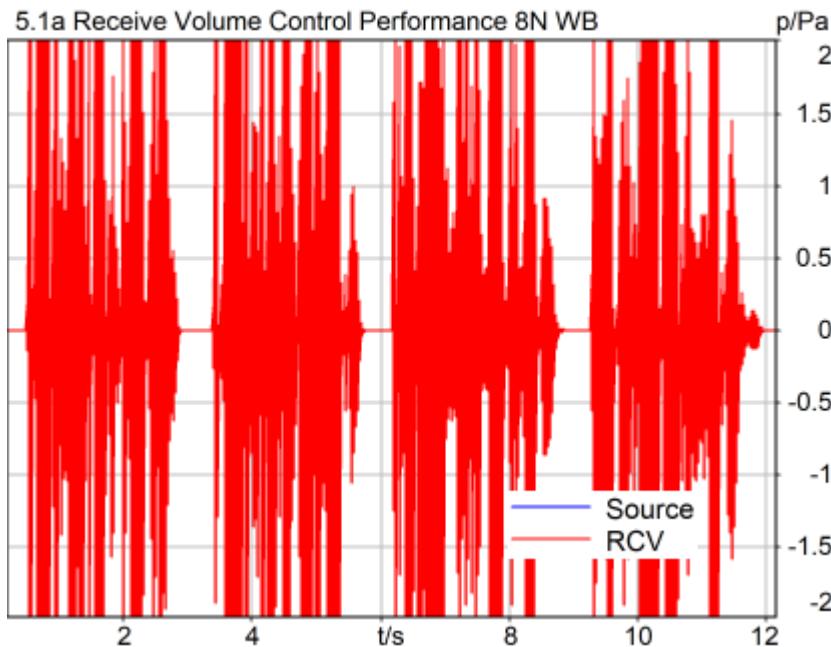


Channel	Delay
RCV*Source	186.3 ms

2025/2/6 14:47 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.21 dB[SPL]	84.04%	22.21 dB[SPL]	Ok

Ok

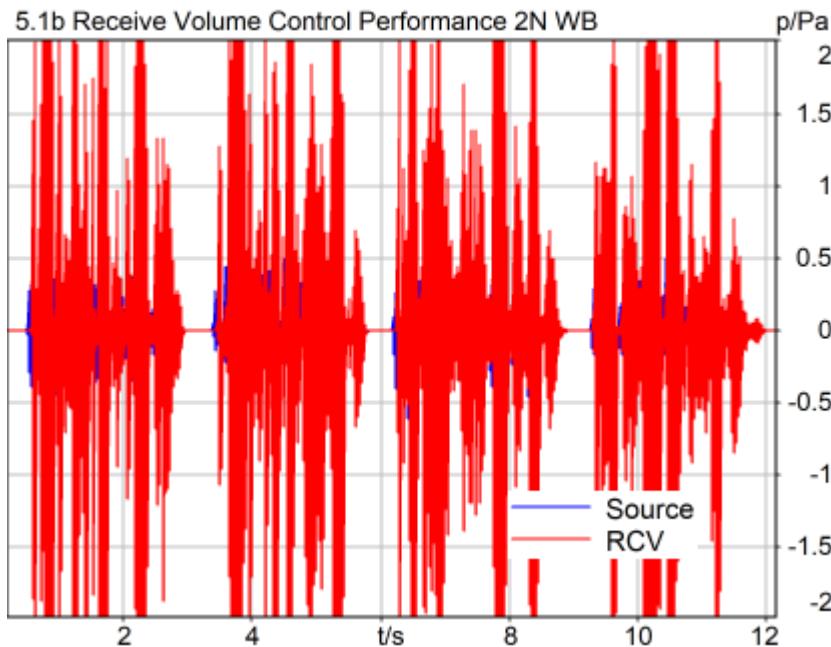
2025/2/6 14:47 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.95 dB[SPL]	84.36%	16.95 dB[SPL]	Ok

Ok

2025/2/6 14:43 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI2.4G_802.11b_11M_EVS_NB_5.9kbps_CH6
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:03
Responsible Person	audio

Status Overview

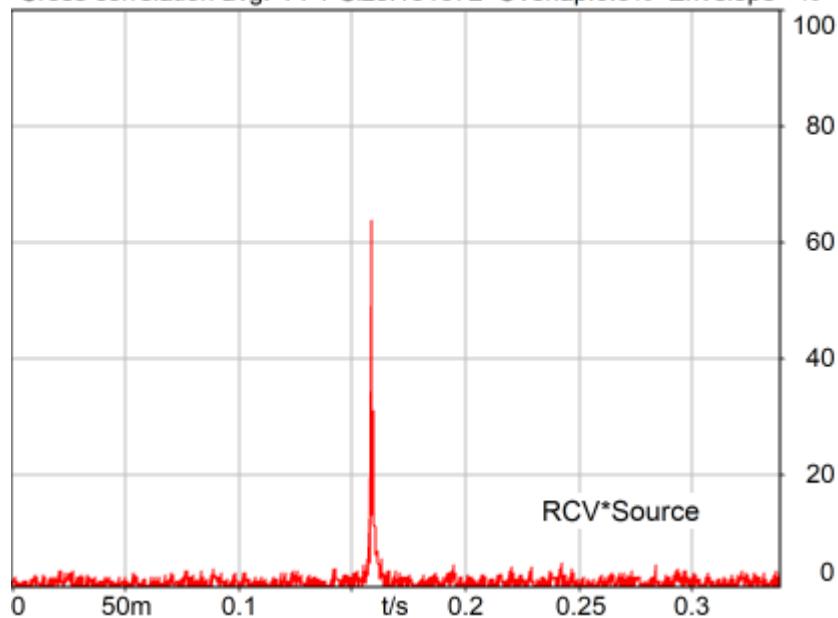
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	159.1	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS NB 5.9kbps_CH6
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	21.99	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS NB 5.9kbps_CH6
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	16.73	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS NB 5.9kbps_CH6

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

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

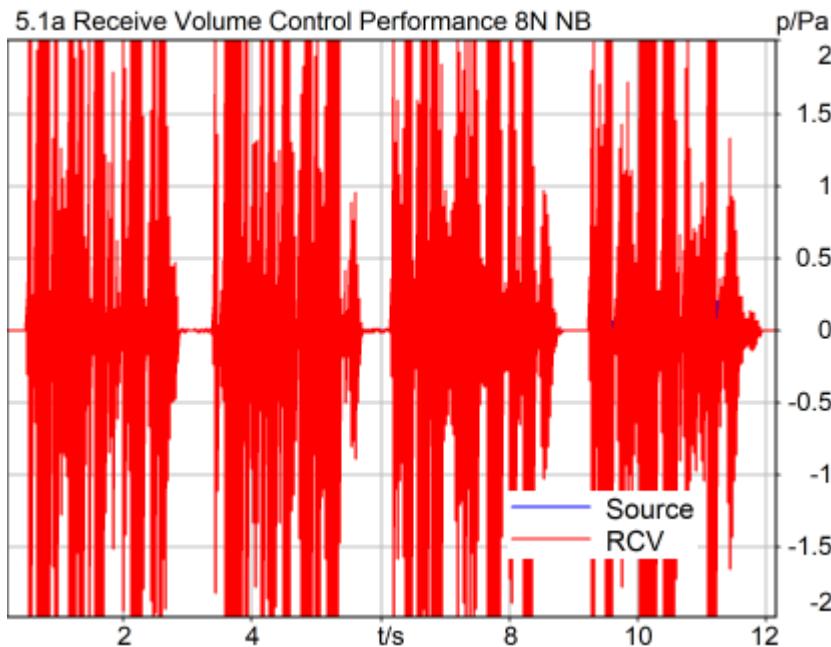


Channel	Delay
RCV*Source	159.1 ms

2025/2/6 14:40 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.99 dB[SPL]	84.05%	21.99 dB[SPL]	Ok

Ok

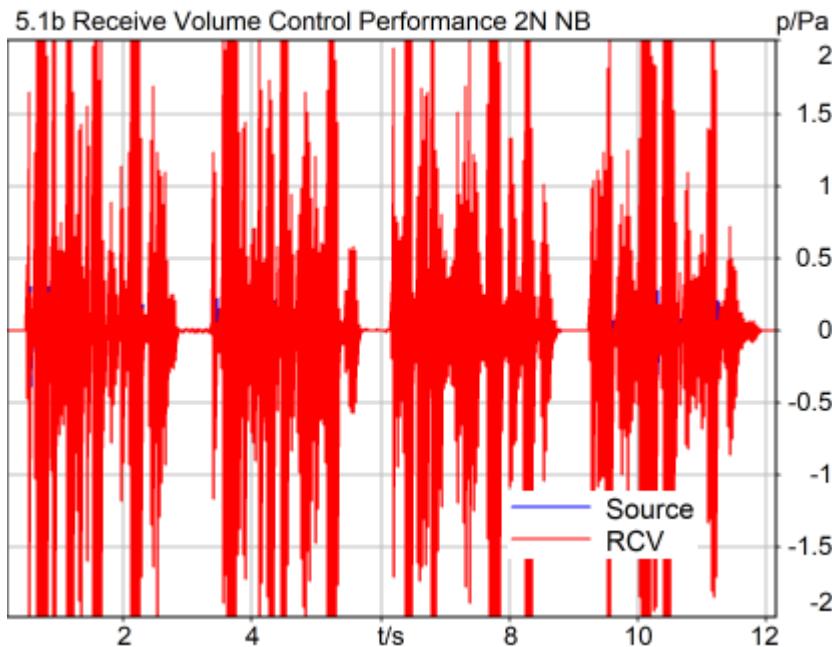
2025/2/6 14:40 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.73 dB[SPL]	84.33%	16.73 dB[SPL]	Ok

Ok

2025/2/6 14:41 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI2.4G_802.11b_11M_EVS SWB 9.6kbps_CH6
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:04
Responsible Person	audio

Status Overview

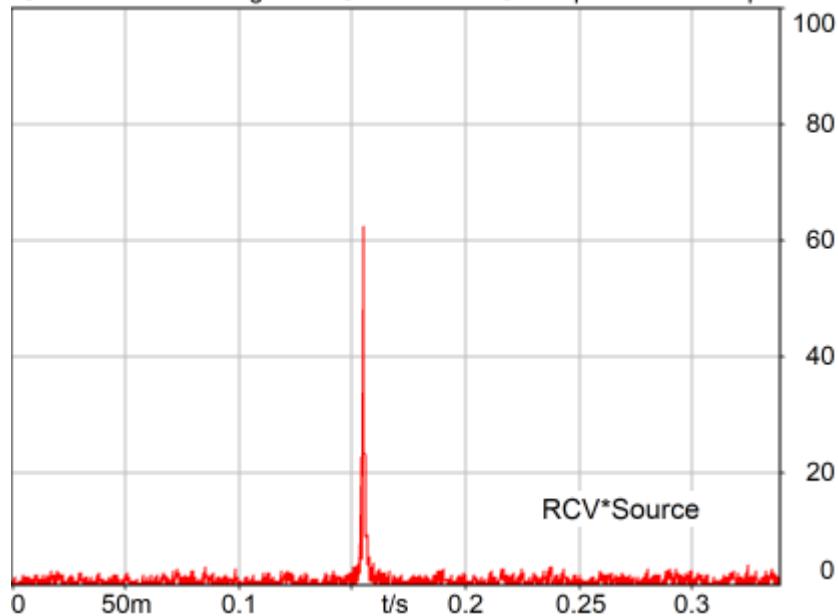
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	155.1	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS SWB 9.6kbps_CH6
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.80	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS SWB 9.6kbps_CH6
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.40	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS SWB 9.6kbps_CH6

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

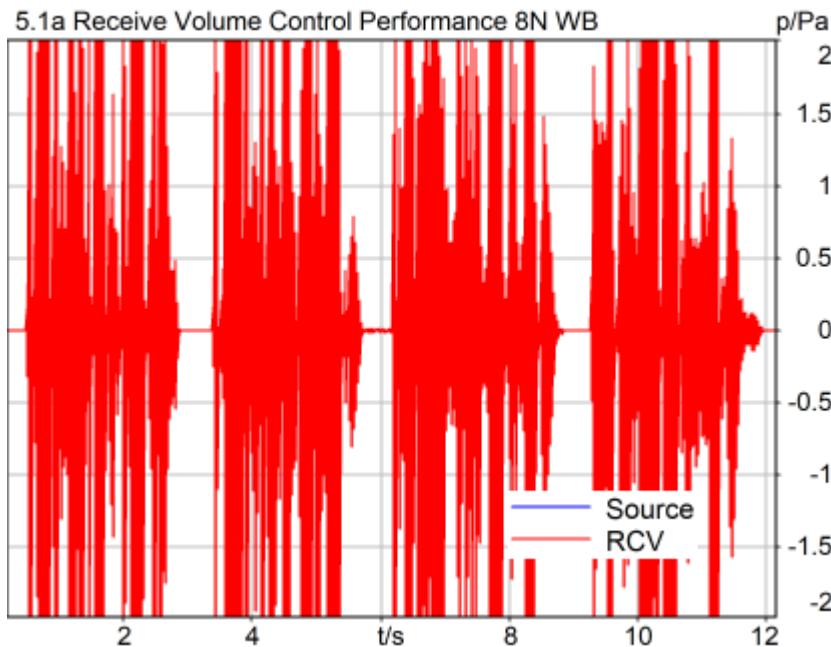


Channel	Delay
RCV*Source	155.1 ms

2025/3/19 14:23 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.80 dB[SPL]	83.99%	21.80 dB[SPL]	Ok

Ok

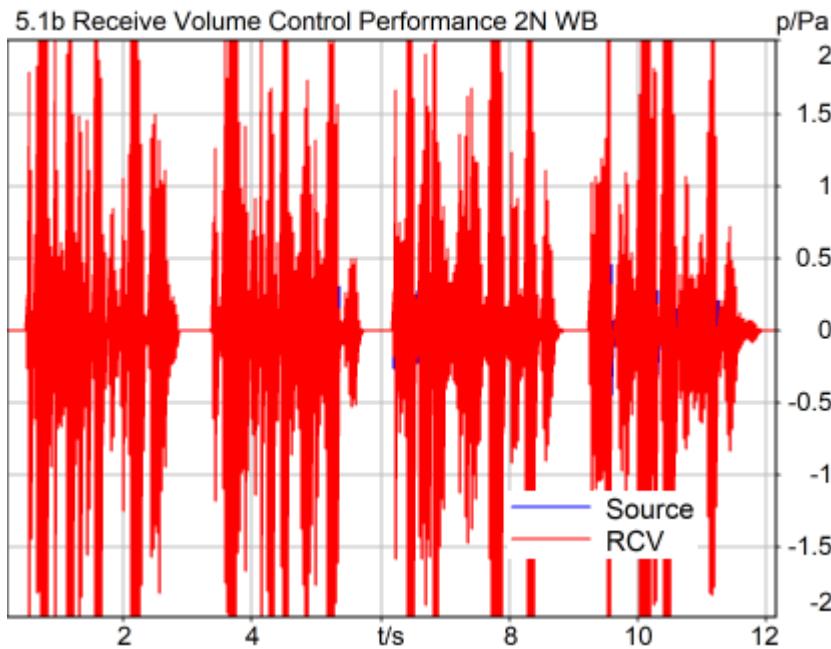
2025/3/19 14:23 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.40 dB[SPL]	84.35%	16.40 dB[SPL]	Ok

Ok

2025/3/19 14:22 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI2.4G_802.11b_11M_EVS SWB 128kbps_CH6
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:04
Responsible Person	audio

Status Overview

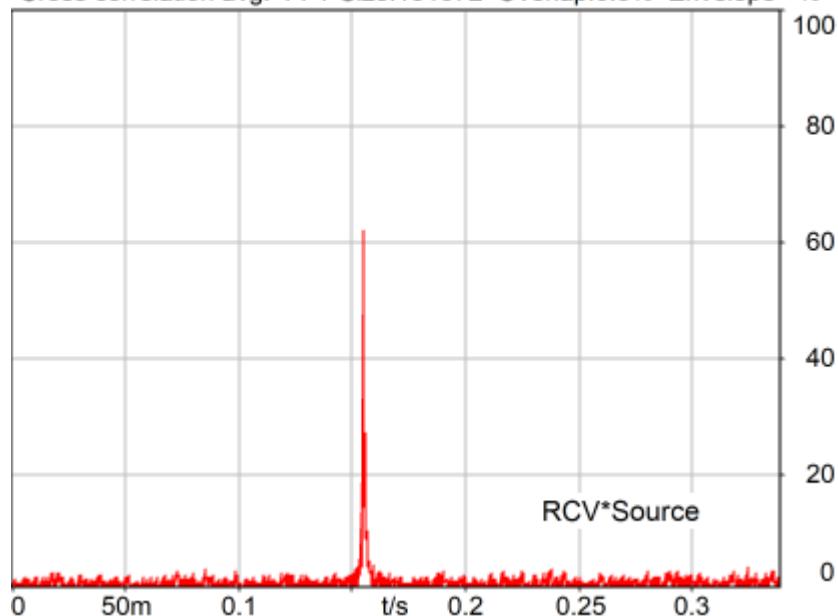
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	155.3	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS SWB 128kbps_CH6
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.91	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS SWB 128kbps_CH6
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.71	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS SWB 128kbps_CH6

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

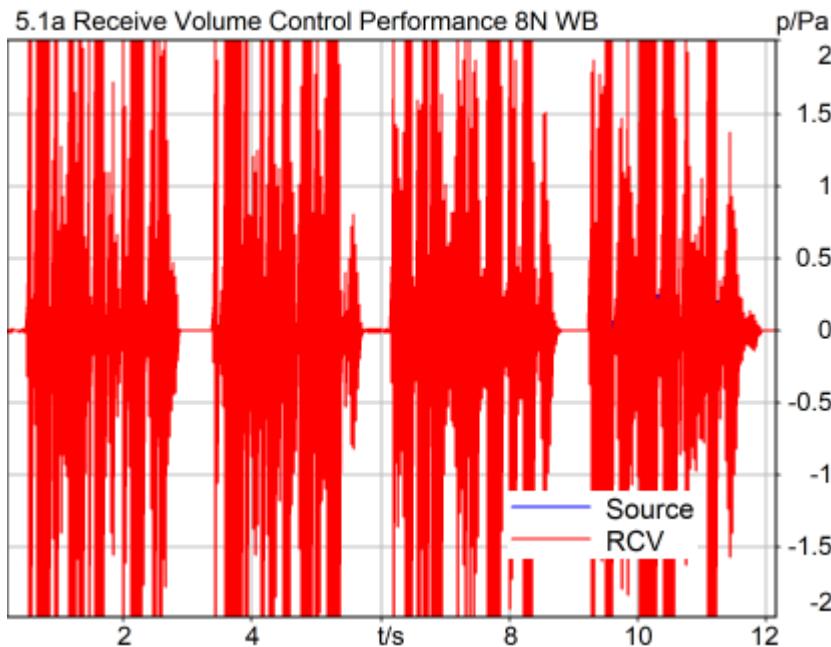


Channel	Delay
RCV*Source	155.3 ms

2025/3/19 14:24 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.91 dB[SPL]	84.11%	21.91 dB[SPL]	Ok

Ok

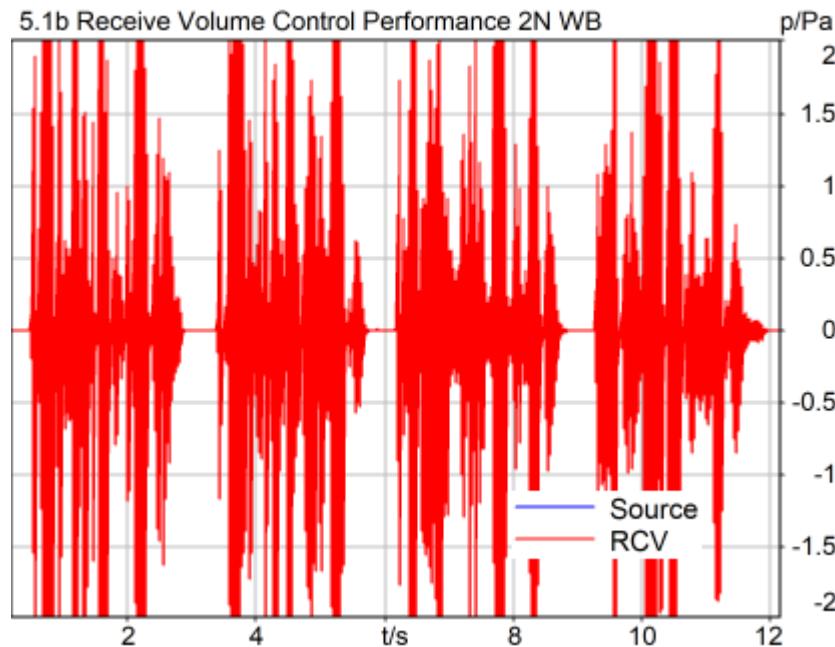
2025/3/19 14:25 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.71 dB[SPL]	84.37%	16.71 dB[SPL]	Ok

Ok

2025/3/19 14:26 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS WB 9.6kbps_CH6
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:03
Responsible Person	audio

Status Overview

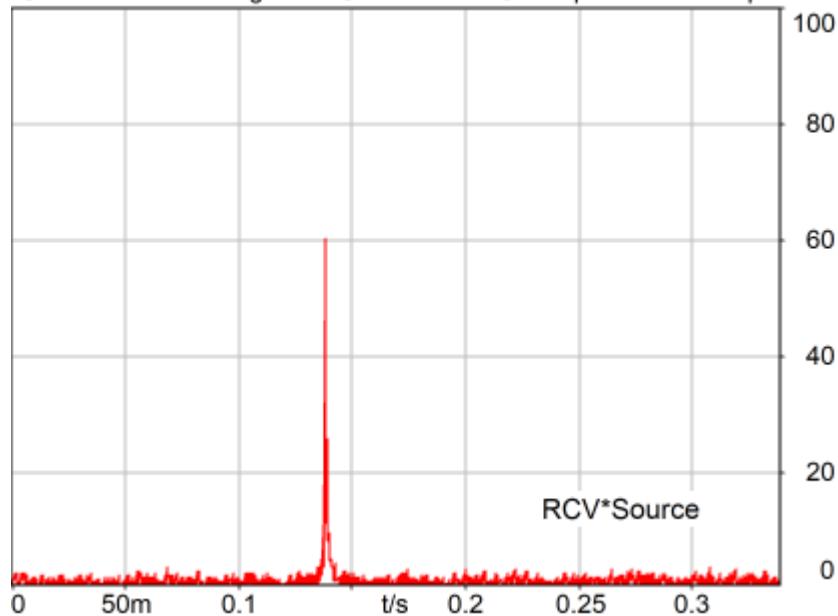
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	138.8	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS WB 9.6kbps_CH6
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.71	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS WB 9.6kbps_CH6
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.07	HUHAO_2403_WIFI2.4G_802.11b 11M_EVS WB 9.6kbps_CH6

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

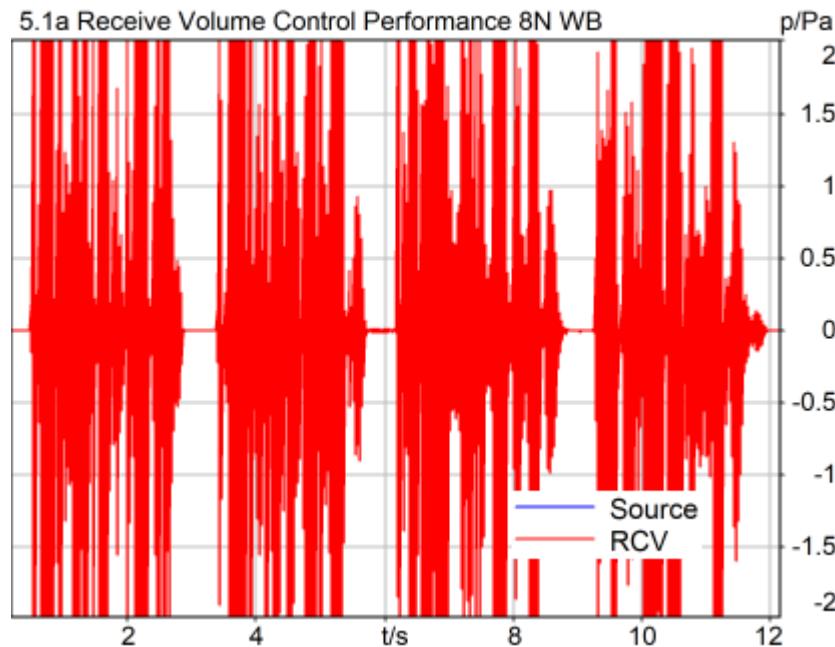


Channel	Delay
RCV*Source	138.8 ms

2025/2/6 14:38 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.71 dB[SPL]	84.43%	21.71 dB[SPL]	Ok

Ok

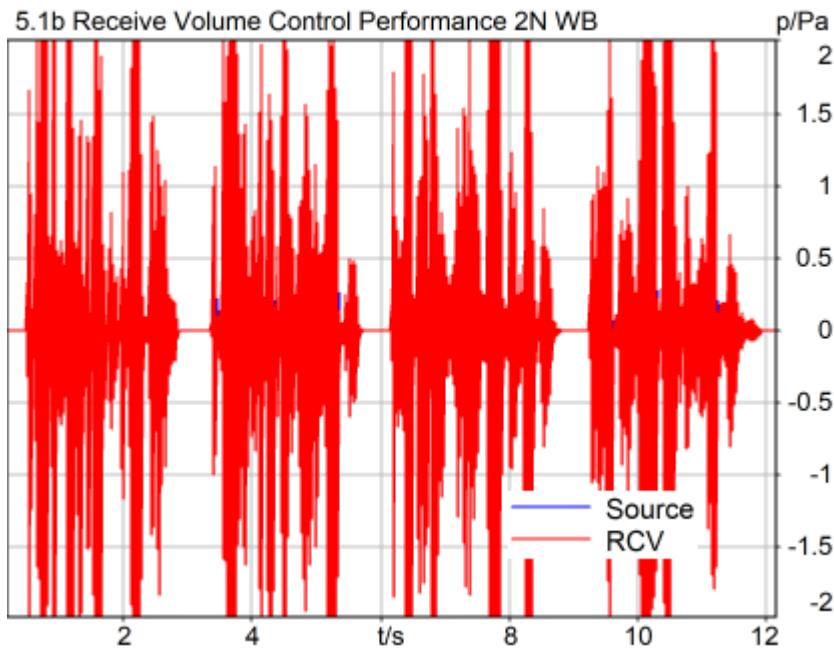
2025/2/6 14:38 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.07 dB[SPL]	84.35%	16.07 dB[SPL]	Ok

Ok

2025/2/6 14:37 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 4.75kbps_CH40
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:05
Responsible Person	audio

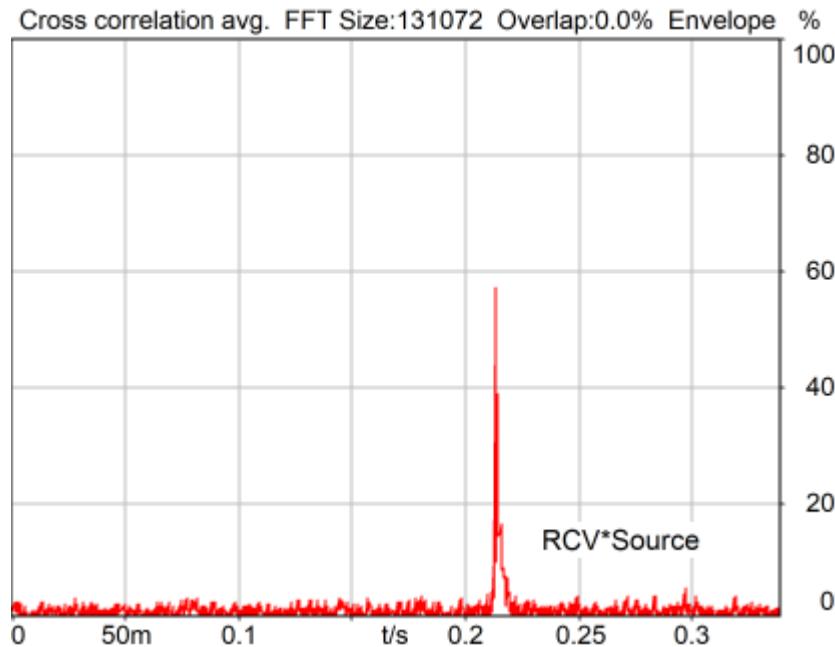
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	214.2	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 4.75kbps_CH40
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.54	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 4.75kbps_CH40
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.48	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 4.75kbps_CH40

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

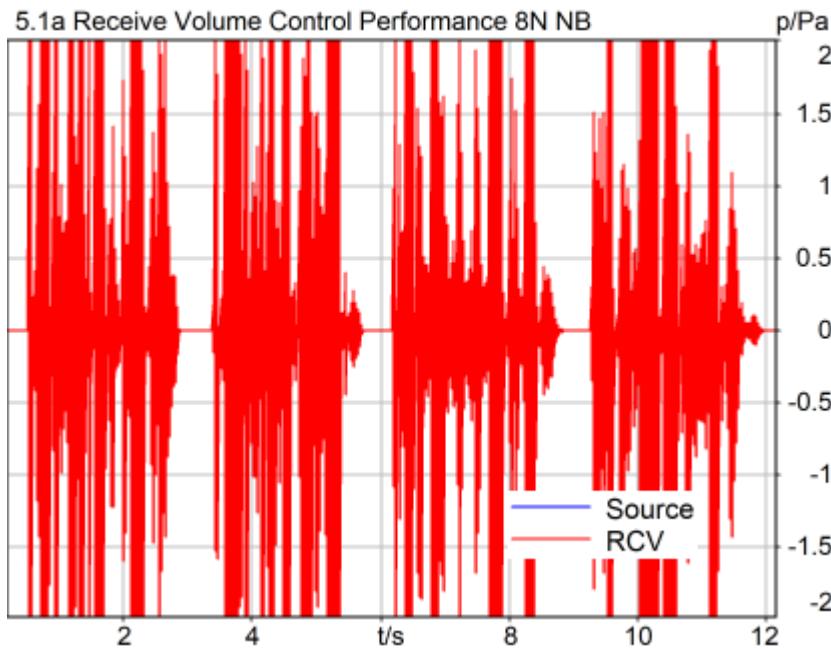


Channel	Delay
RCV*Source	214.2 ms

2025/2/6 16:26 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.54 dB[SPL]	80.61%	20.54 dB[SPL]	Ok

Ok

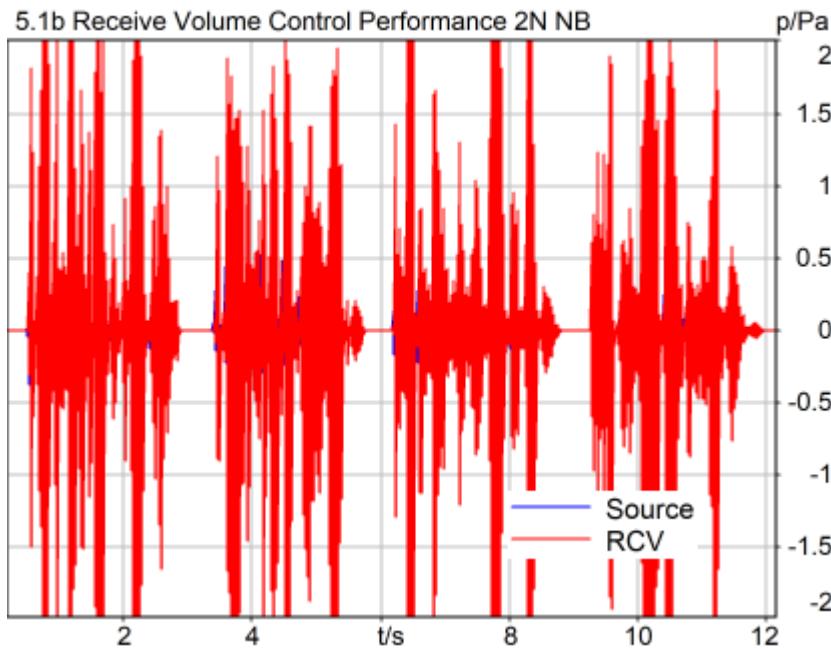
2025/2/6 16:27 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.48 dB[SPL]	80.60%	15.48 dB[SPL]	Ok

Ok

2025/2/6 16:23 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 12.2kbps_CH40
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:06
Responsible Person	audio

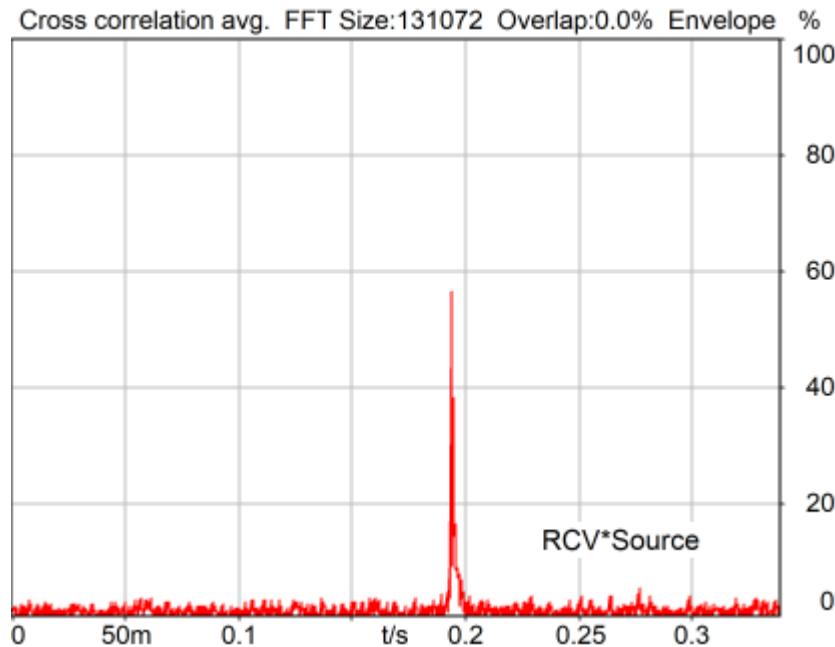
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	194.0	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 12.2kbps_CH40
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.62	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 12.2kbps_CH40
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.33	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 12.2kbps_CH40

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

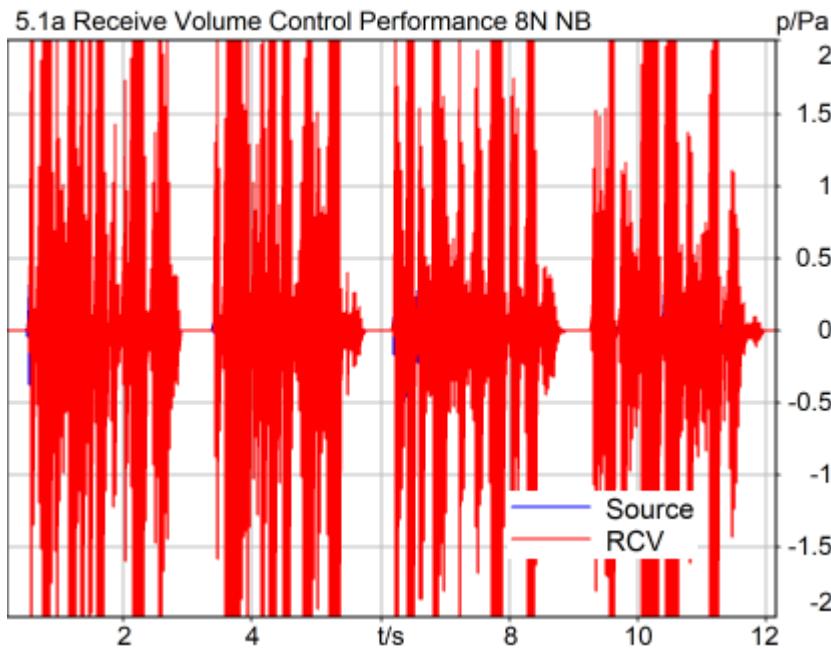


Channel	Delay
RCV*Source	194.0 ms

2025/2/6 16:25 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.62 dB[SPL]	80.77%	20.62 dB[SPL]	Ok

Ok

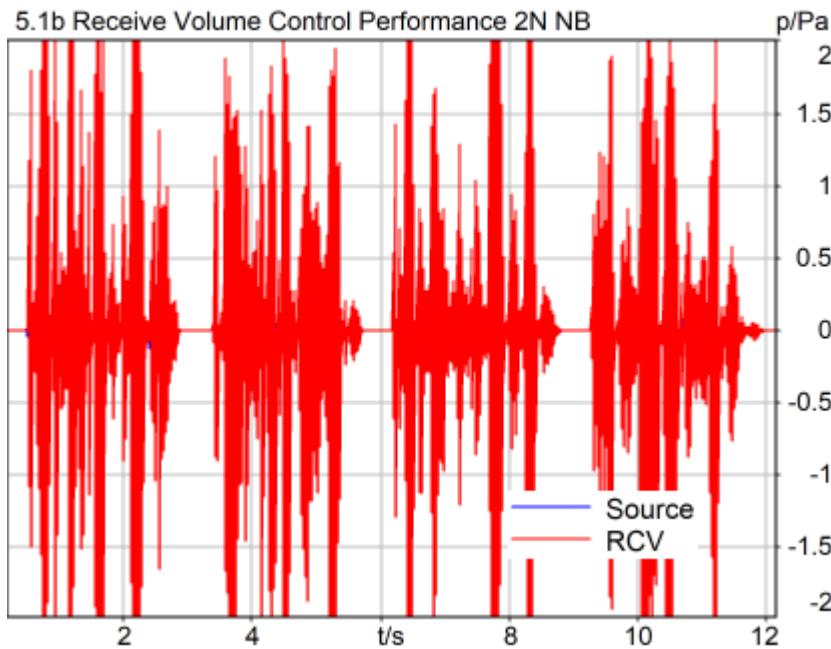
2025/2/6 16:26 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.33 dB[SPL]	81.09%	15.33 dB[SPL]	Ok

Ok

2025/2/6 16:24 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 12.2kbps_CH40_Sample2
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:10
Responsible Person	audio

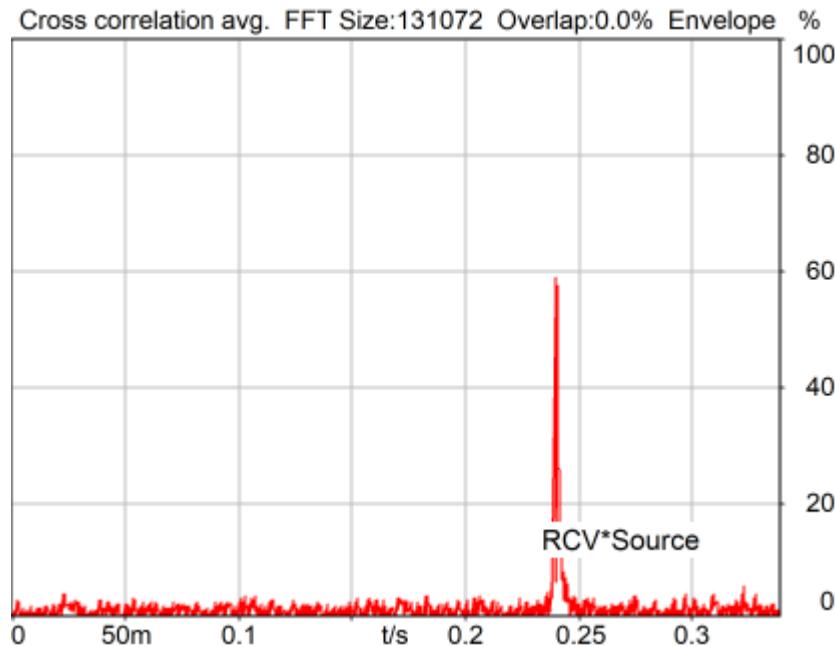
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	240.2	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 12.2kbps_CH40_Sample2
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	16.12	HUHAO_2403_WIFI5G_802.11a 6M_AMR NB 12.2kbps_CH40_Sample2

Overall Receive Delay NB	4
5.1b Receive Volume Control Performance 2N NB	4

Overall Receive Delay NB

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

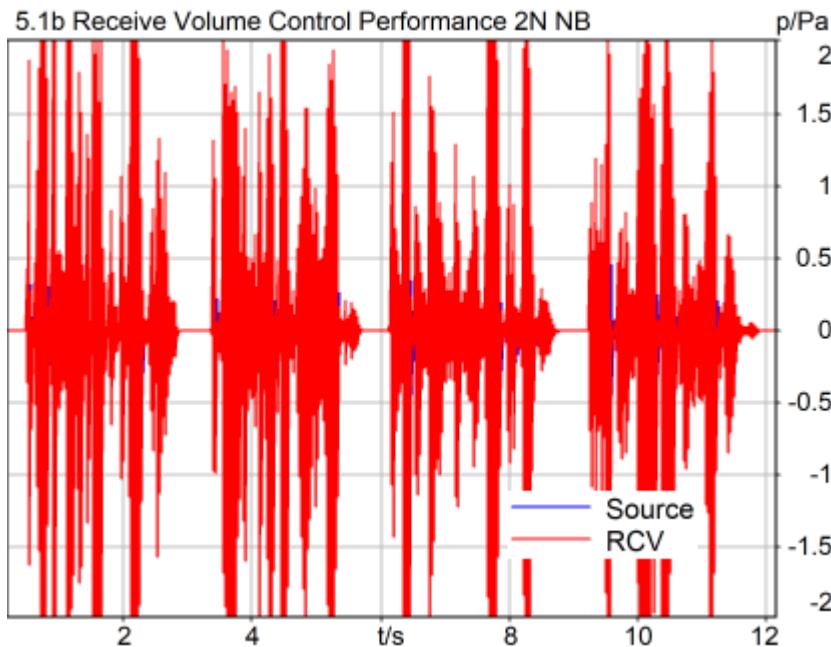


Channel	Delay
RCV*Source	240.2 ms

2025/3/19 15:55 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.12 dB[SPL]	80.23%	16.12 dB[SPL]	Ok

Ok

2025/3/19 15:56 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_AMR WB 6.6kbps_CH40
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:06
Responsible Person	audio

Status Overview

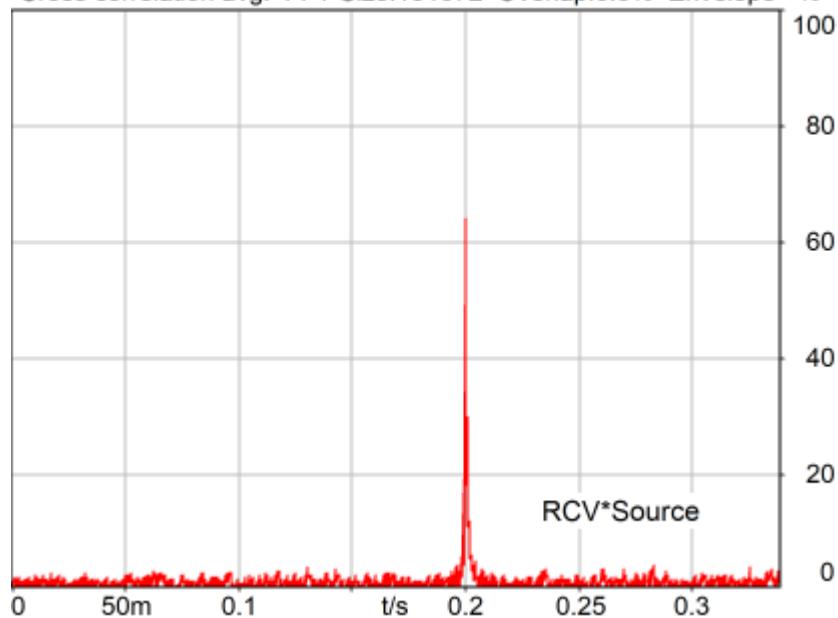
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	200.2	HUHAO_2403_WIFI5G_802.11a 6M_AMR WB 6.6kbps_CH40
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.99	HUHAO_2403_WIFI5G_802.11a 6M_AMR WB 6.6kbps_CH40
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.58	HUHAO_2403_WIFI5G_802.11a 6M_AMR WB 6.6kbps_CH40

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

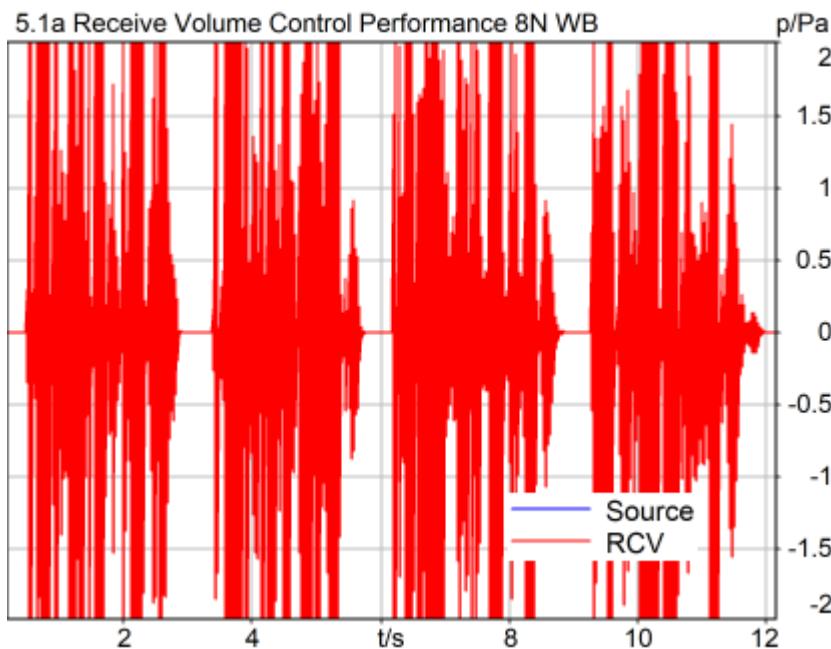


Channel	Delay
RCV*Source	200.2 ms

2025/2/6 16:30 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.99 dB[SPL]	83.64%	21.99 dB[SPL]	Ok

Ok

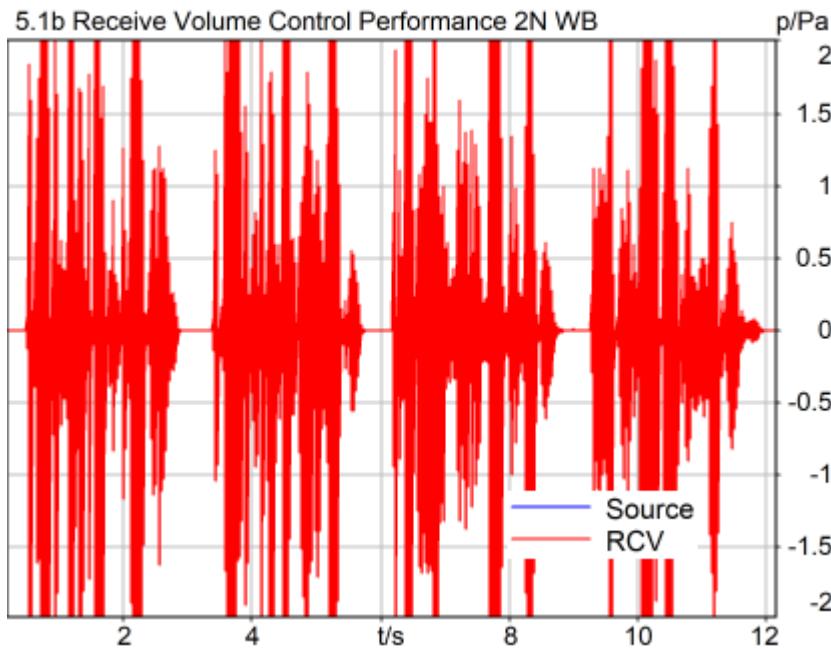
2025/2/6 16:31 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.58 dB[SPL]	84.32%	16.58 dB[SPL]	Ok

Ok

2025/2/6 16:32 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_AMR WB 23.85kbps_CH40
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:07
Responsible Person	audio

Status Overview

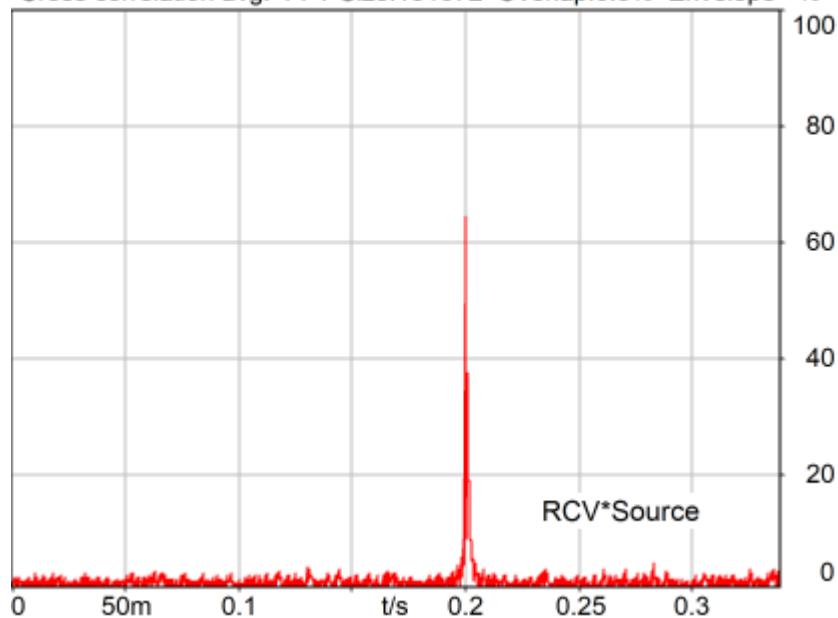
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	200.6	HUHAO_2403_WIFI5G_802.11a 6M_AMR WB 23.85kbps_CH40
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.14	HUHAO_2403_WIFI5G_802.11a 6M_AMR WB 23.85kbps_CH40
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.65	HUHAO_2403_WIFI5G_802.11a 6M_AMR WB 23.85kbps_CH40

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

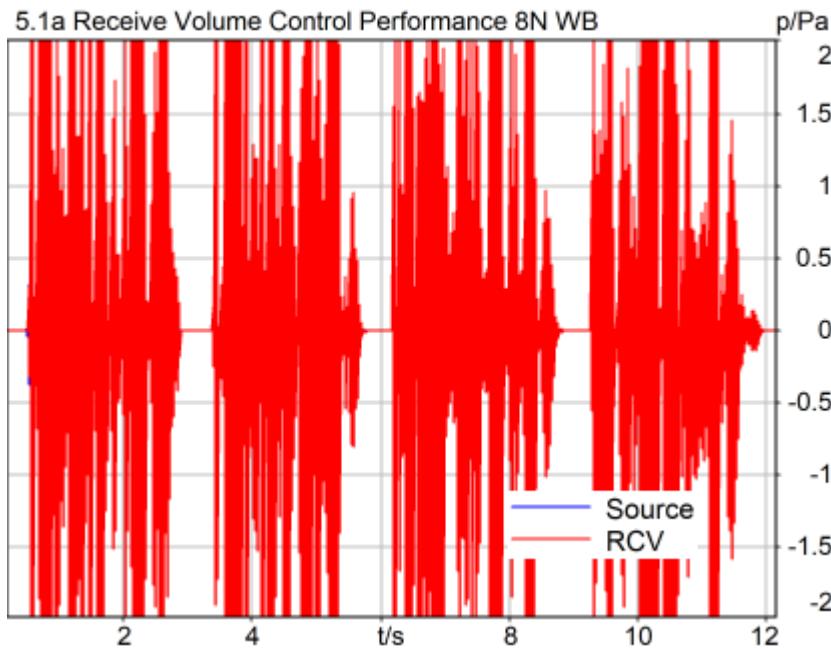


Channel	Delay
RCV*Source	200.6 ms

2025/2/6 16:33 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.14 dB[SPL]	83.77%	22.14 dB[SPL]	Ok

Ok

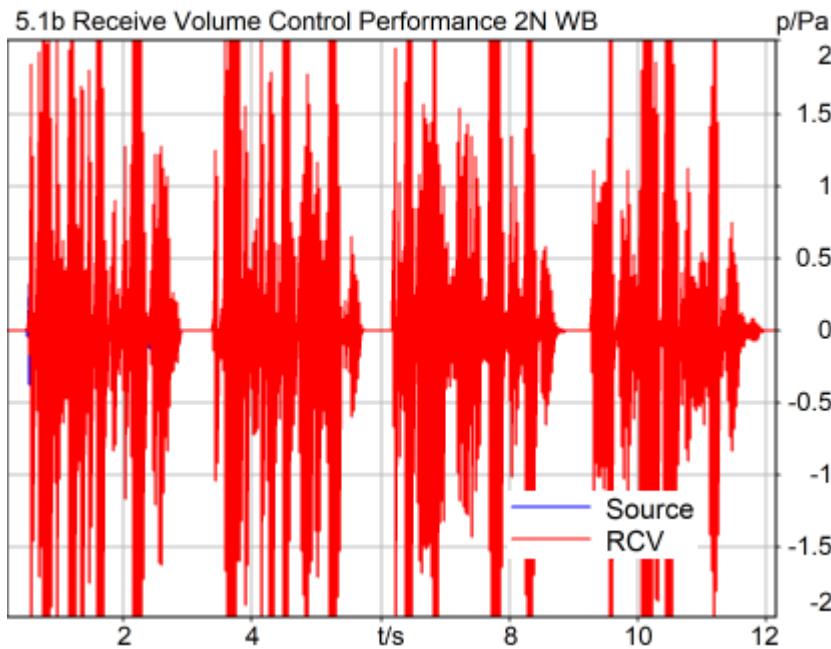
2025/2/6 16:34 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.65 dB[SPL]	84.11%	16.65 dB[SPL]	Ok

Ok

2025/2/6 16:33 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_EVS NB 5.9kbps_CH40
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:07
Responsible Person	audio

Status Overview

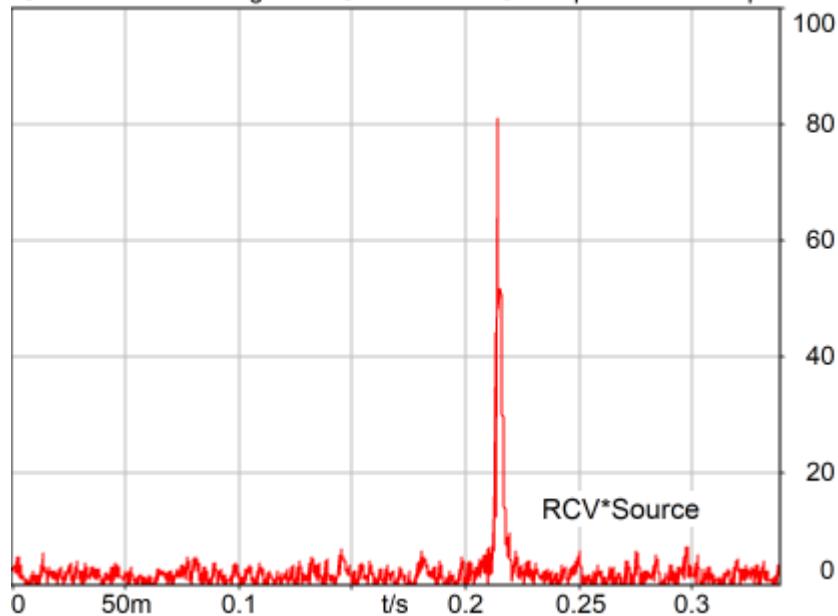
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	214.8	HUHAO_2403_WIFI5G_802.11a 6M_EVS NB 5.9kbps_CH40
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	21.60	HUHAO_2403_WIFI5G_802.11a 6M_EVS NB 5.9kbps_CH40
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	16.14	HUHAO_2403_WIFI5G_802.11a 6M_EVS NB 5.9kbps_CH40

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

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

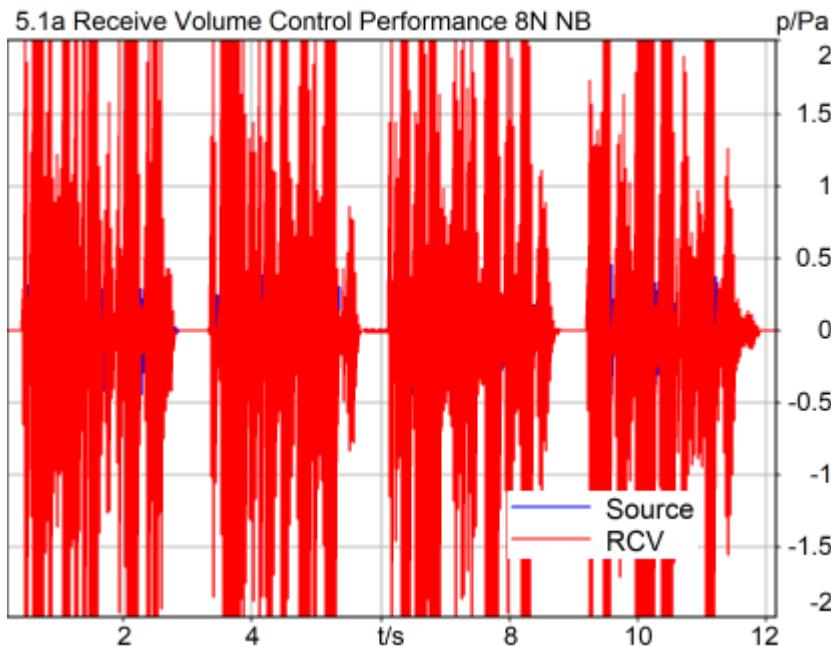


Channel	Delay
RCV*Source	214.8 ms

2025/2/6 15:23 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.60 dB[SPL]	84.38%	21.60 dB[SPL]	Ok

Ok

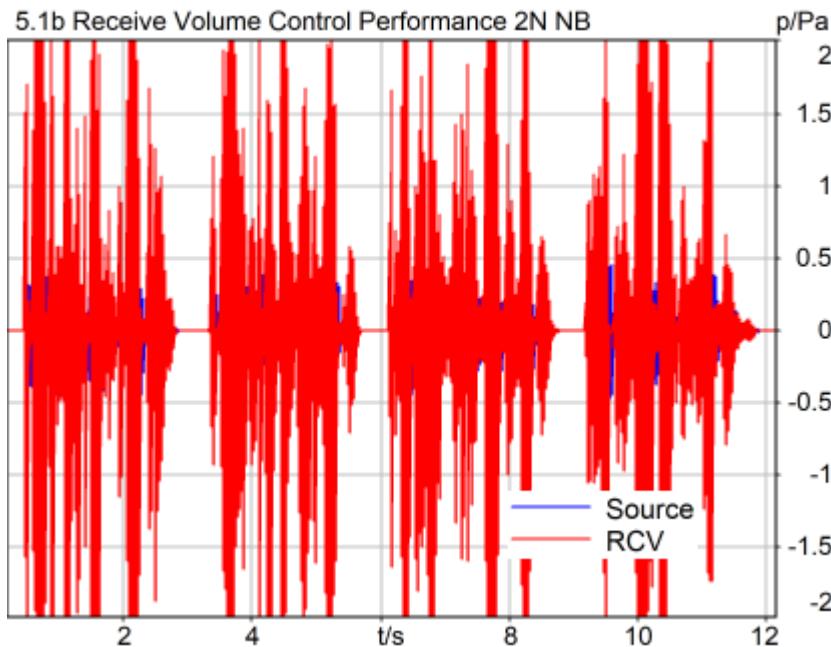
2025/2/6 15:46 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.14 dB[SPL]	84.21%	16.14 dB[SPL]	Ok

Ok

2025/2/6 15:45 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_EVS SWB 9.6kbps_CH40
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:08
Responsible Person	audio

Status Overview

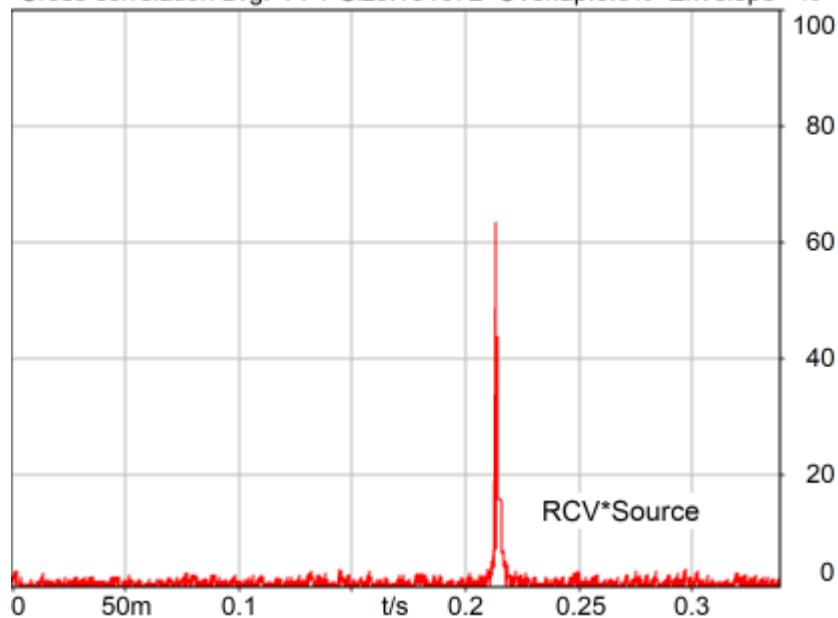
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	214.4	HUHAO_2403_WIFI5G_802.11a 6M_EVS SWB 9.6kbps_CH40
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.72	HUHAO_2403_WIFI5G_802.11a 6M_EVS SWB 9.6kbps_CH40
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.58	HUHAO_2403_WIFI5G_802.11a 6M_EVS SWB 9.6kbps_CH40

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

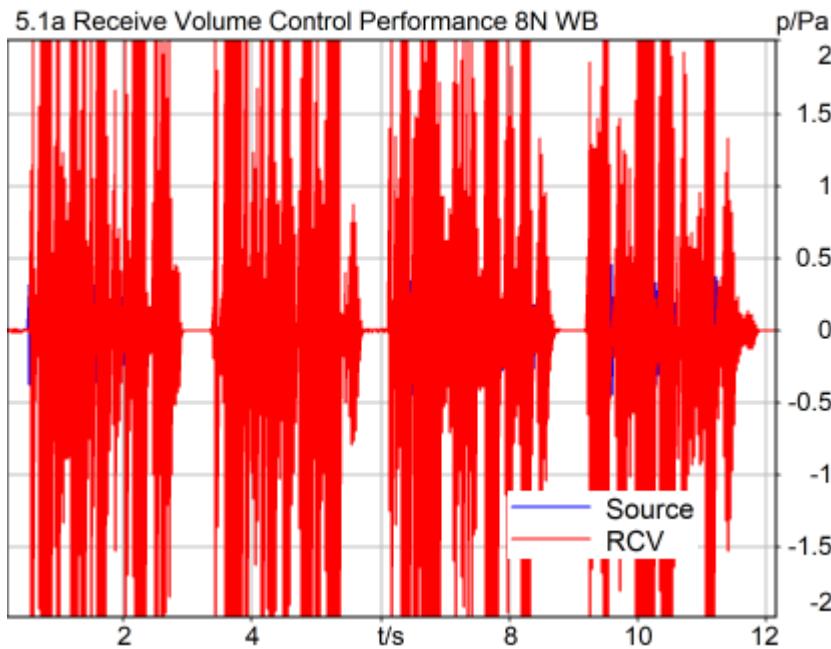


Channel	Delay
RCV*Source	214.4 ms

2025/3/19 14:15 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.72 dB[SPL]	84.45%	21.72 dB[SPL]	Ok

Ok

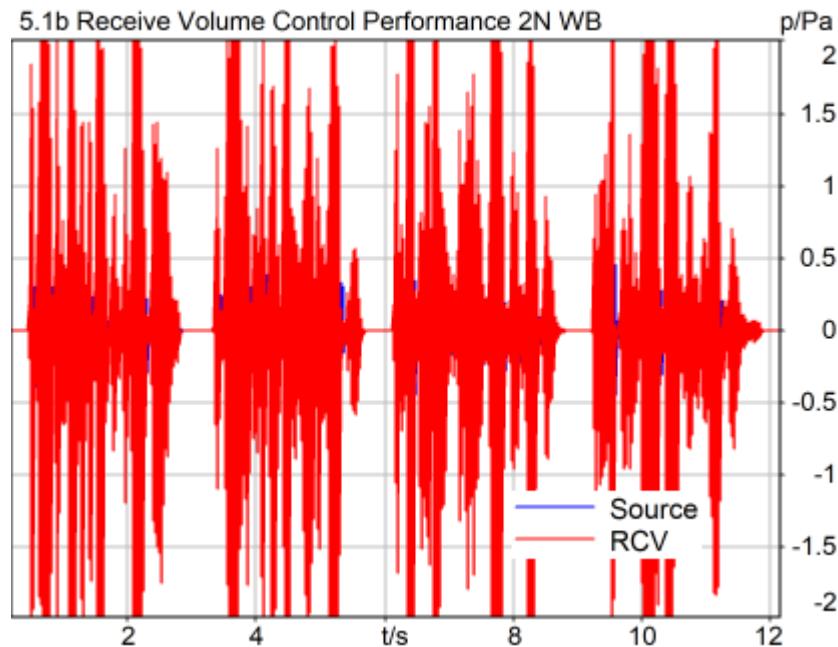
2025/3/19 14:15 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.58 dB[SPL]	84.38%	16.58 dB[SPL]	Ok

Ok

2025/3/19 14:16 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_EVS SWB 128kbps_CH40
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:08
Responsible Person	audio

Status Overview

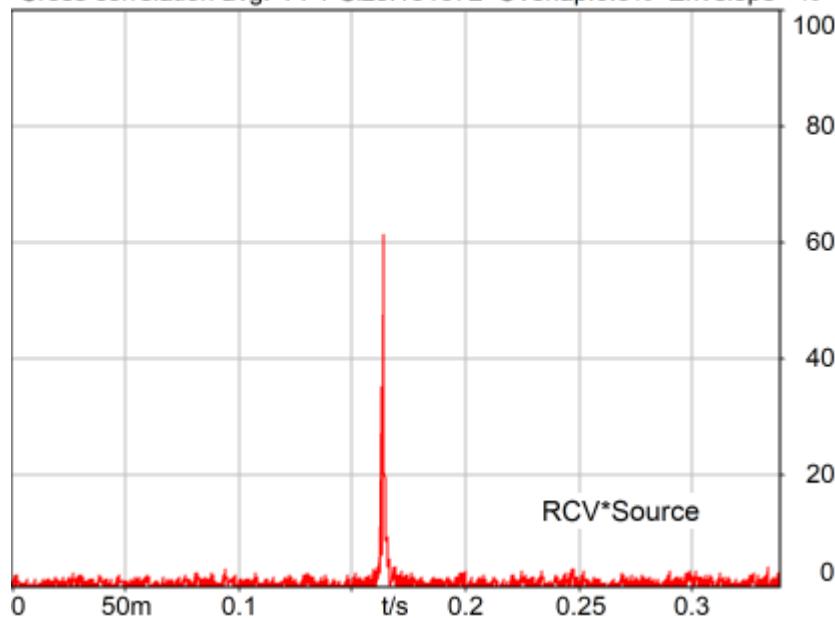
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	164.2	HUHAO_2403_WIFI5G_802.11a 6M_EVS SWB 128kbps_CH40
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.55	HUHAO_2403_WIFI5G_802.11a 6M_EVS SWB 128kbps_CH40
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.49	HUHAO_2403_WIFI5G_802.11a 6M_EVS SWB 128kbps_CH40

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

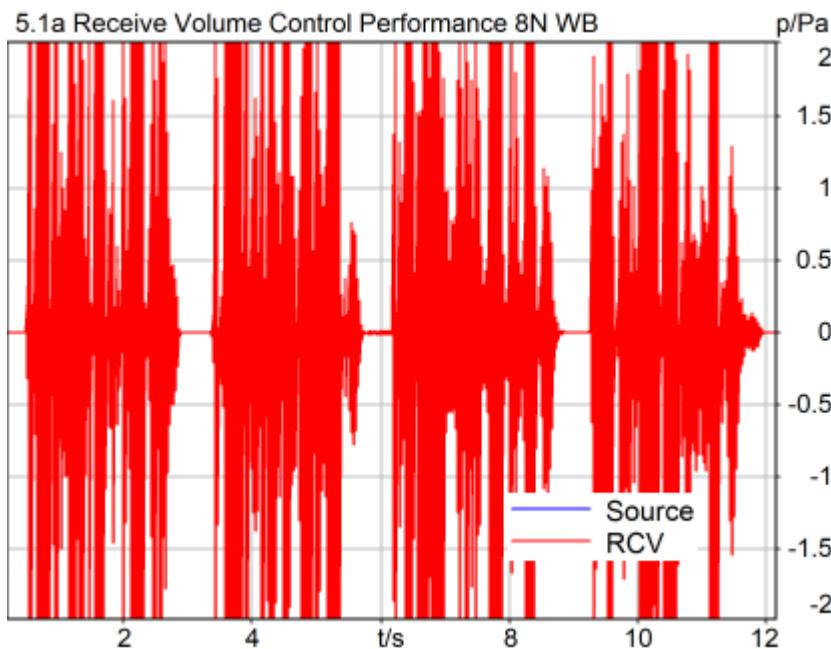


Channel	Delay
RCV*Source	164.2 ms

2025/3/19 14:13 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.55 dB[SPL]	84.38%	21.55 dB[SPL]	Ok

Ok

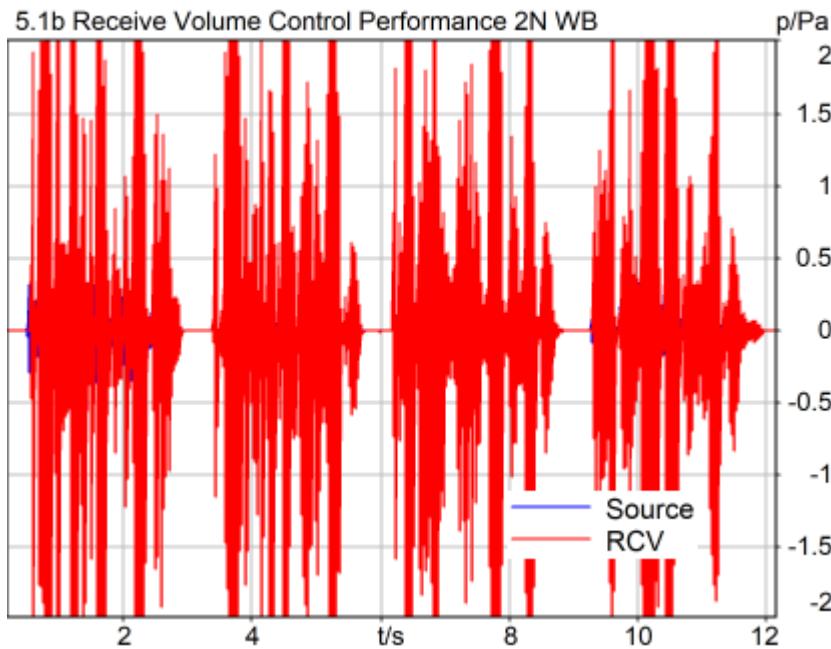
2025/3/19 14:13 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.49 dB[SPL]	84.52%	16.49 dB[SPL]	Ok

Ok

2025/3/19 14:12 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a 6M_EVS WB 9.6kbps_CH40
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:07
Responsible Person	audio

Status Overview

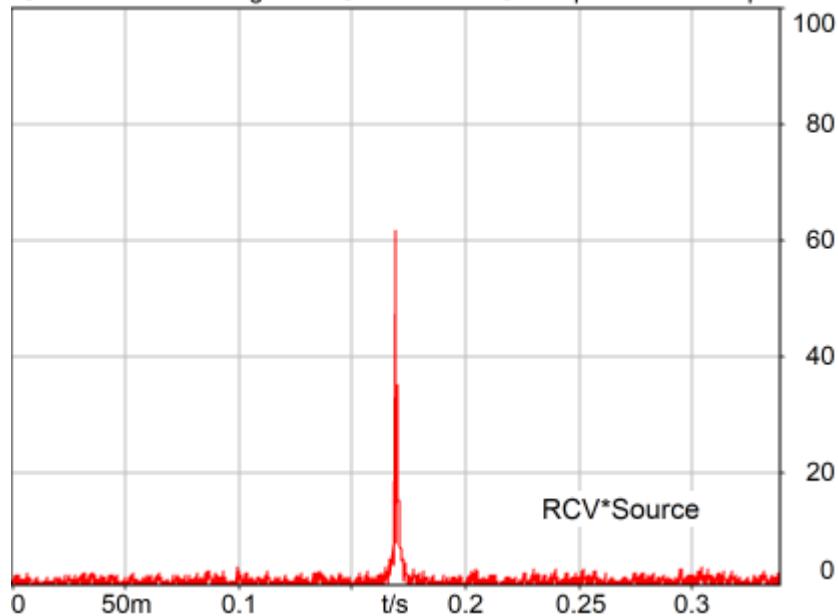
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	169.5	HUHAO_2403_WIFI5G_802.11a 6M_EVS WB 9.6kbps_CH40
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.57	HUHAO_2403_WIFI5G_802.11a 6M_EVS WB 9.6kbps_CH40
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.35	HUHAO_2403_WIFI5G_802.11a 6M_EVS WB 9.6kbps_CH40

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

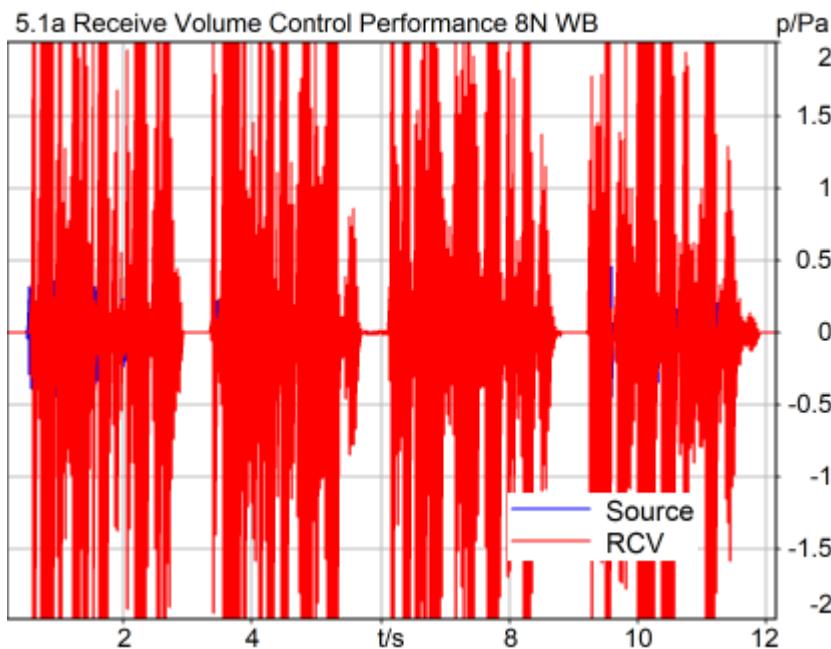


Channel	Delay
RCV*Source	169.5 ms

2025/2/6 15:59 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.57 dB[SPL]	84.34%	21.57 dB[SPL]	Ok

Ok

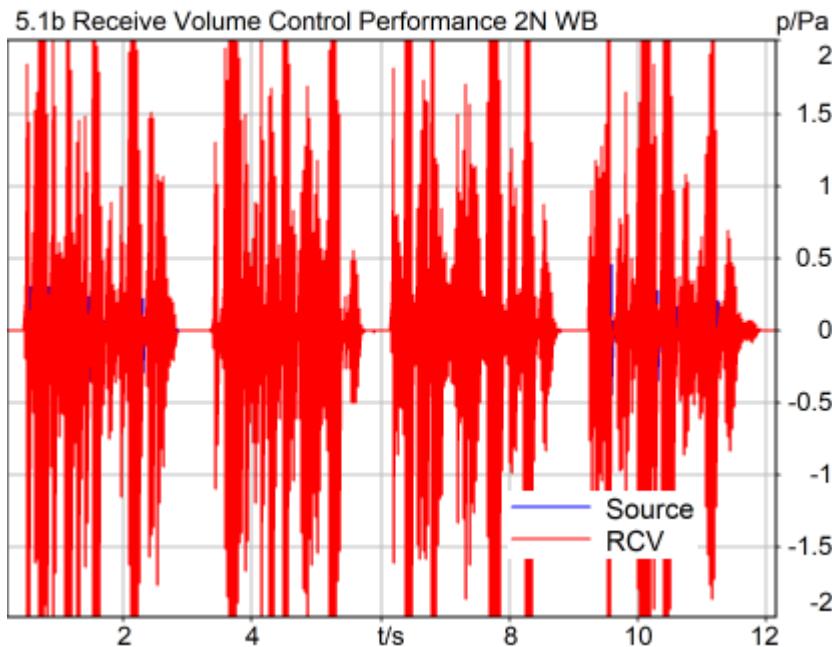
2025/2/6 15:59 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.35 dB[SPL]	84.33%	16.35 dB[SPL]	Ok

Ok

2025/2/6 16:20 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB 4.75kbps_CH60
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:10
Responsible Person	audio

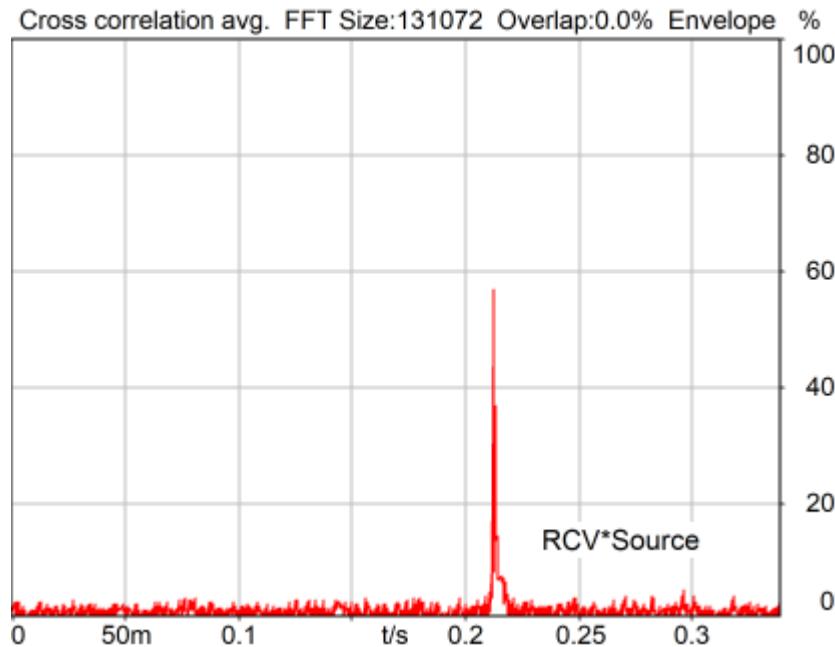
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	213.3	HUHAO_2403_WIFI5G_802.11a_6 M_AMR NB 4.75kbps_CH60
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.98	HUHAO_2403_WIFI5G_802.11a_6 M_AMR NB 4.75kbps_CH60
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.47	HUHAO_2403_WIFI5G_802.11a_6 M_AMR NB 4.75kbps_CH60

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

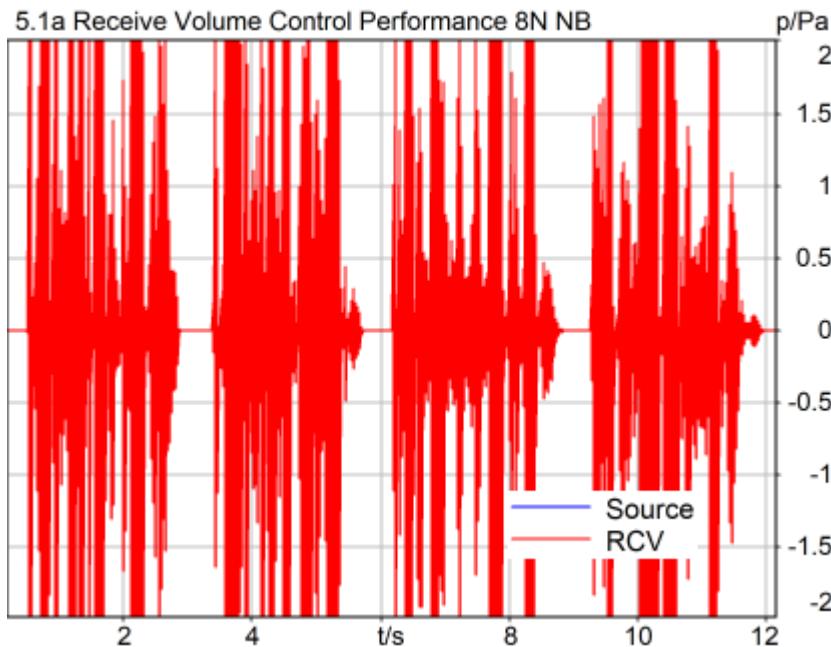


Channel	Delay
RCV*Source	213.3 ms

2025/2/7 10:05 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.98 dB[SPL]	80.37%	20.98 dB[SPL]	Ok

Ok

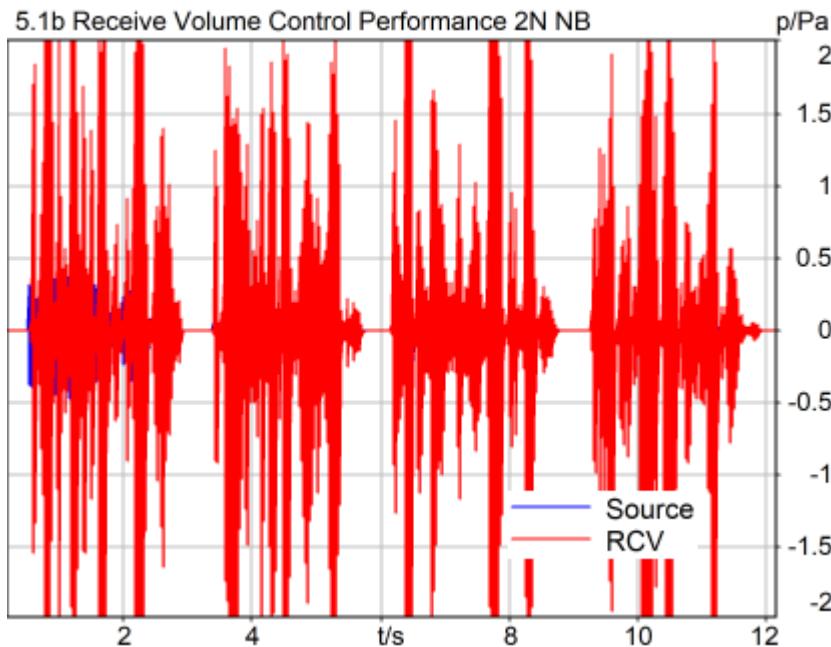
2025/2/7 10:06 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.47 dB[SPL]	80.94%	15.47 dB[SPL]	Ok

Ok

2025/2/7 10:00 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB 4.75kbps_CH132
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:17
Responsible Person	audio

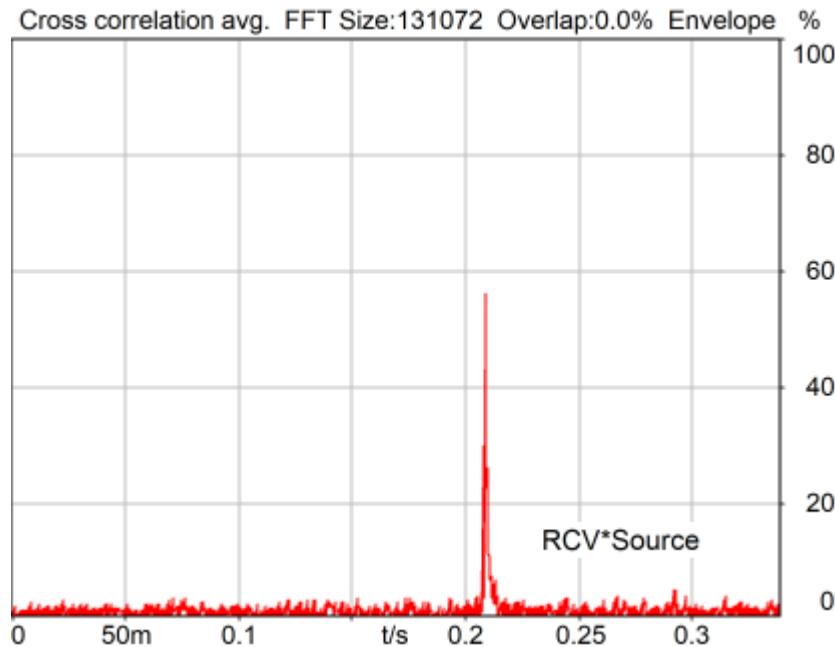
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	209.3	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB 4.75kbps_CH132
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.60	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB 4.75kbps_CH132
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.37	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB 4.75kbps_CH132

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

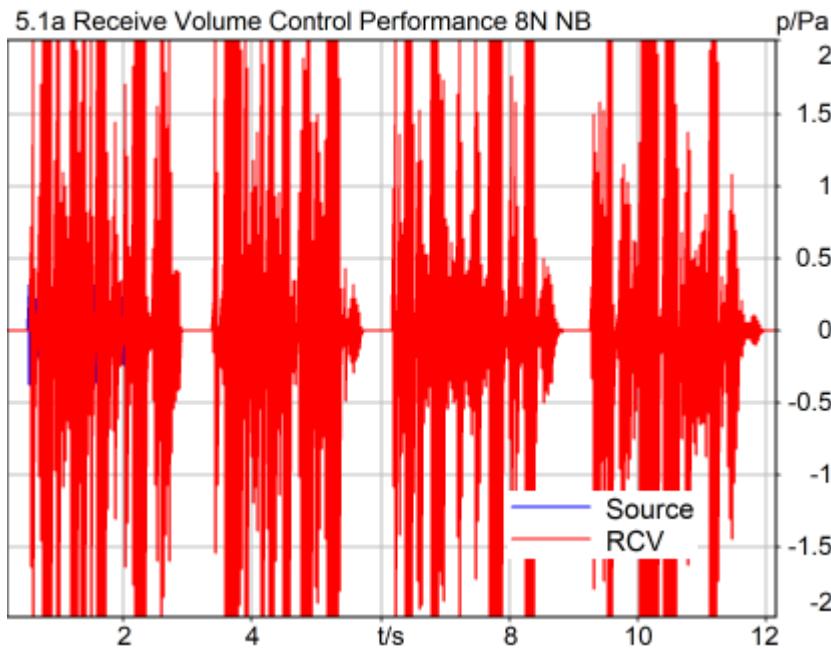


Channel	Delay
RCV*Source	209.3 ms

2025/2/7 11:23 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.60 dB[SPL]	82.12%	20.60 dB[SPL]	Ok

Ok

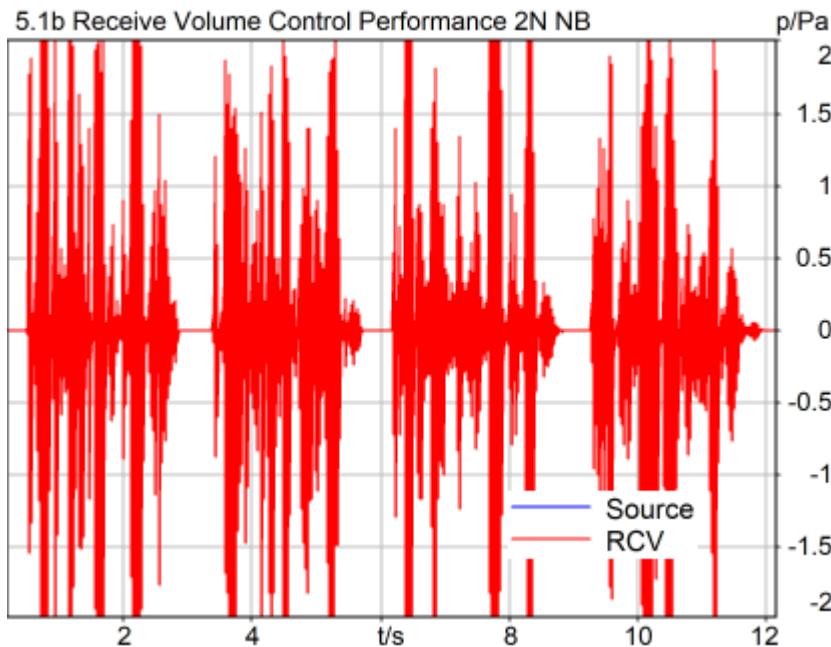
2025/2/7 11:23 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.37 dB[SPL]	81.51%	15.37 dB[SPL]	Ok

Ok

2025/2/7 11:19 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB 12.2kbps_CH60
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:11
Responsible Person	audio

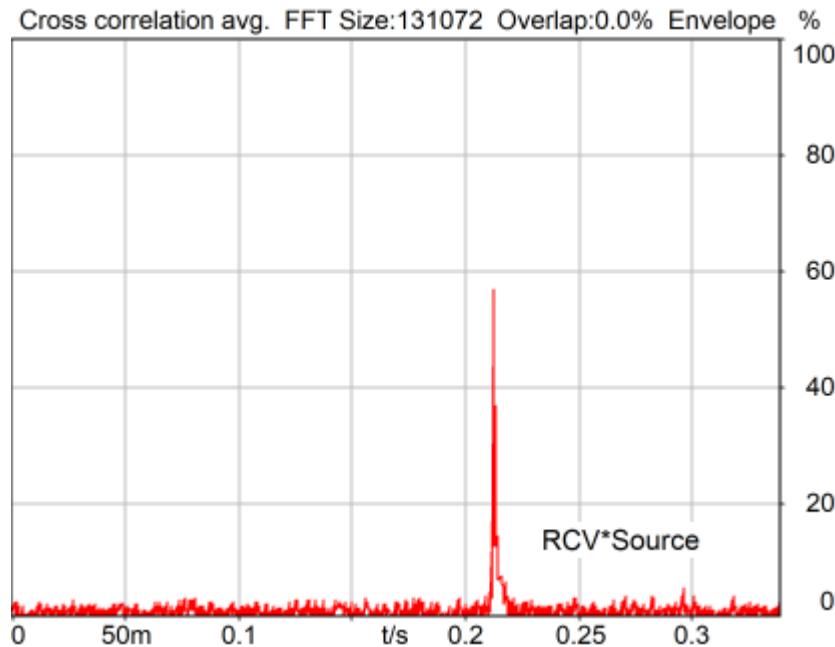
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	213.2	HUHAO_2403_WIFI5G_802.11a_6 M_AMR NB 12.2kbps_CH60
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.96	HUHAO_2403_WIFI5G_802.11a_6 M_AMR NB 12.2kbps_CH60
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.54	HUHAO_2403_WIFI5G_802.11a_6 M_AMR NB 12.2kbps_CH60

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

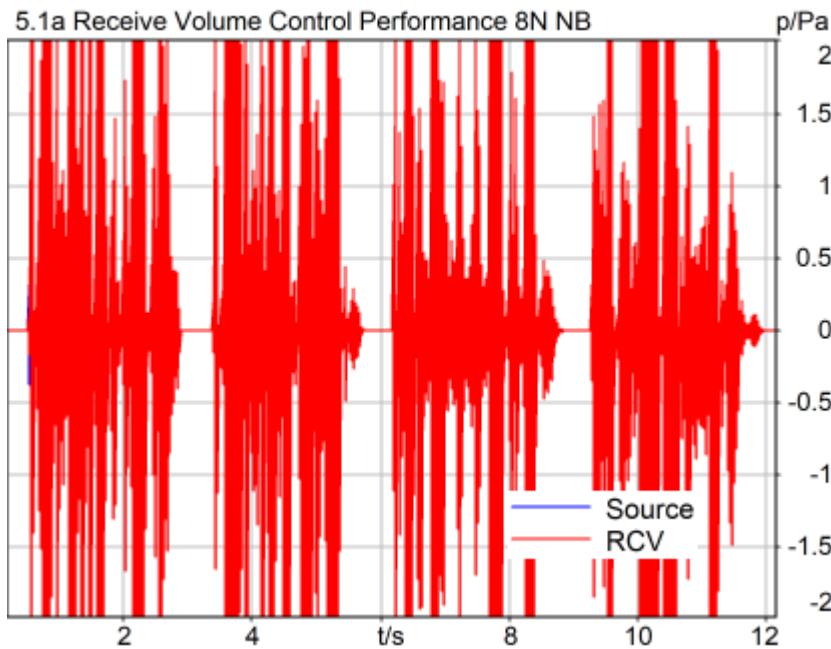


Channel	Delay
RCV*Source	213.2 ms

2025/2/7 10:03 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.96 dB[SPL]	81.00%	20.96 dB[SPL]	Ok

Ok

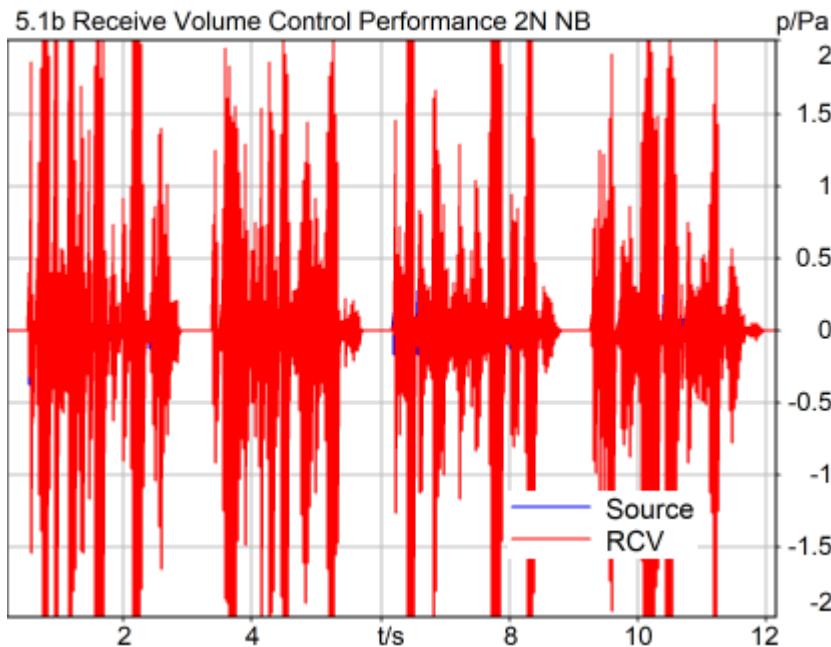
2025/2/7 10:04 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.54 dB[SPL]	80.44%	15.54 dB[SPL]	Ok

Ok

2025/2/7 10:03 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB12.2kbps_CH132
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:17
Responsible Person	audio

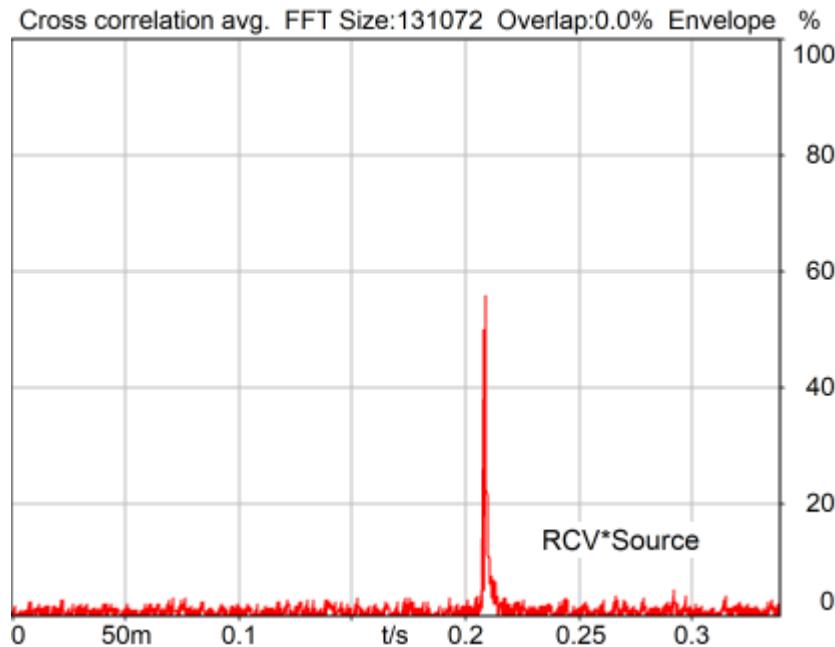
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	209.1	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB12.2kbps_CH132
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	20.61	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB12.2kbps_CH132
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	15.46	HUHAO_2403_WIFI5G_802.11a_6M_AMR NB12.2kbps_CH132

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

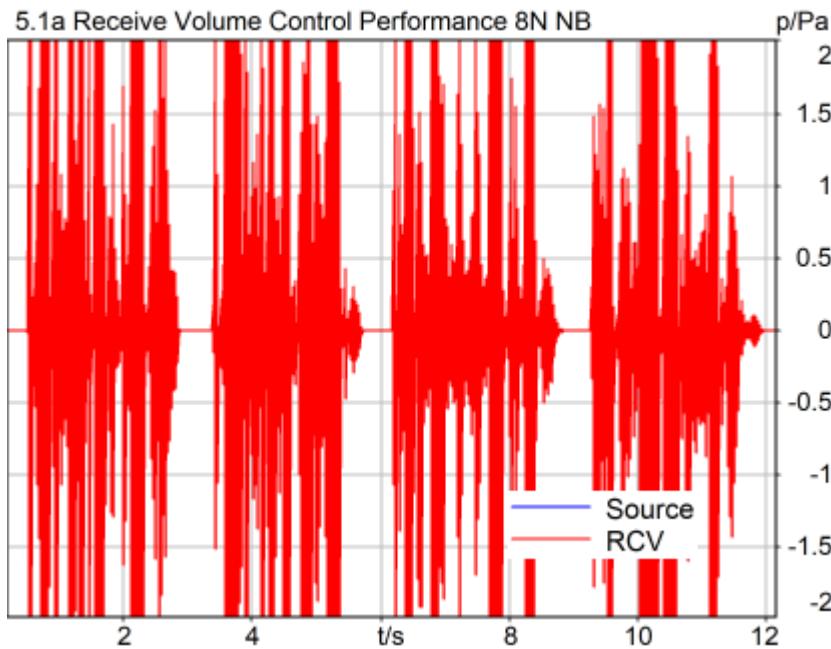


Channel	Delay
RCV*Source	209.1 ms

2025/2/7 11:21 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	90.61 dB[SPL]	80.60%	20.61 dB[SPL]	Ok

Ok

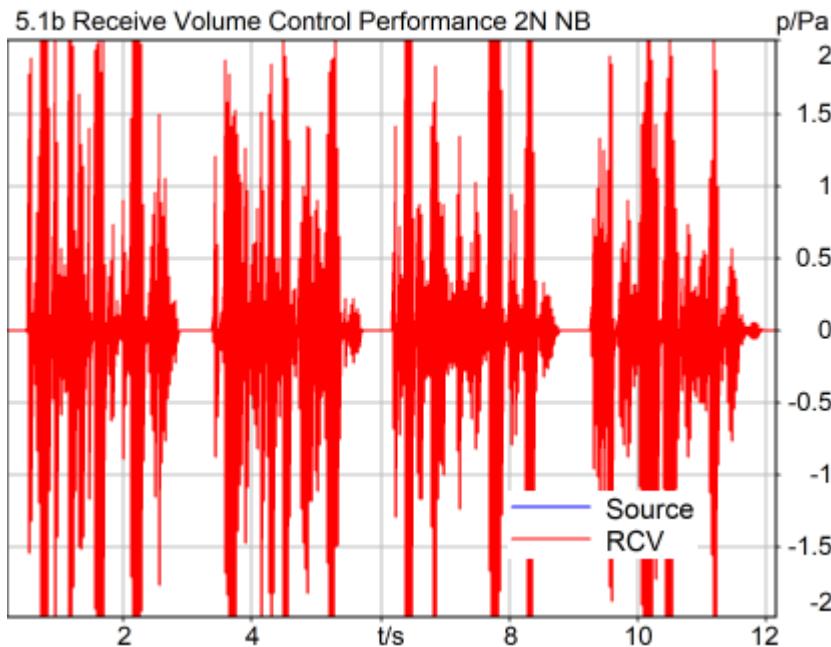
2025/2/7 11:22 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	85.46 dB[SPL]	81.42%	15.46 dB[SPL]	Ok

Ok

2025/2/7 11:21 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 6.6kbps_CH60
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:11
Responsible Person	audio

Status Overview

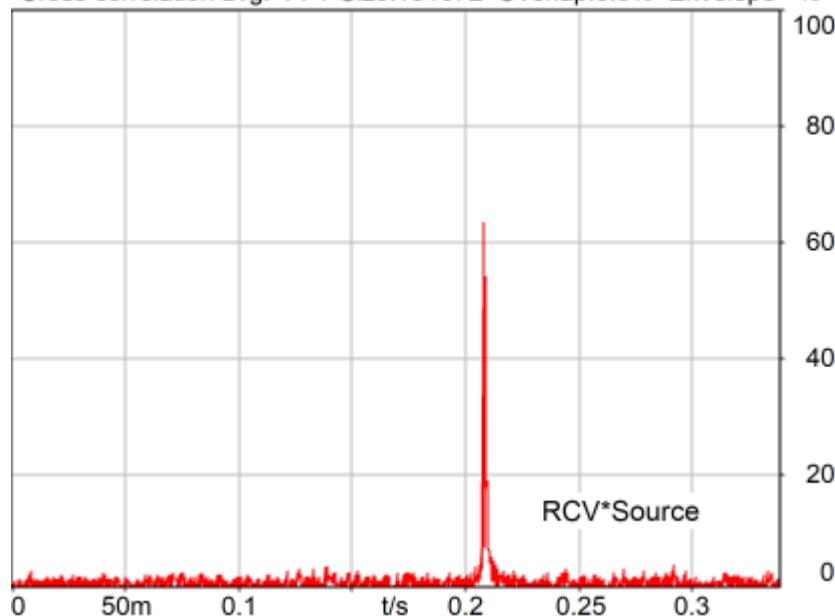
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	209.0	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 6.6kbps_CH60
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.39	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 6.6kbps_CH60
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.89	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 6.6kbps_CH60

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

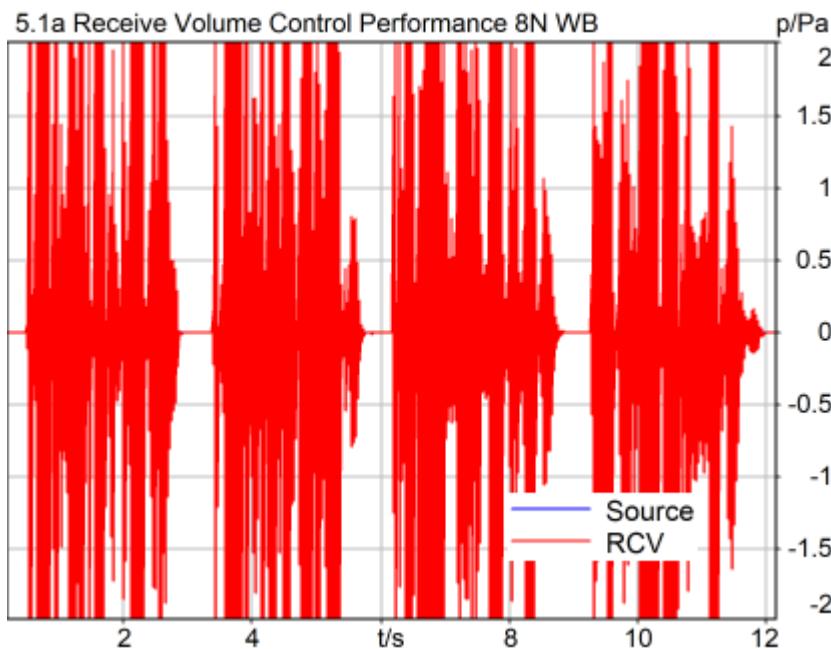


Channel	Delay
RCV*Source	209.0 ms

2025/2/7 10:07 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.39 dB[SPL]	84.02%	22.39 dB[SPL]	Ok

Ok

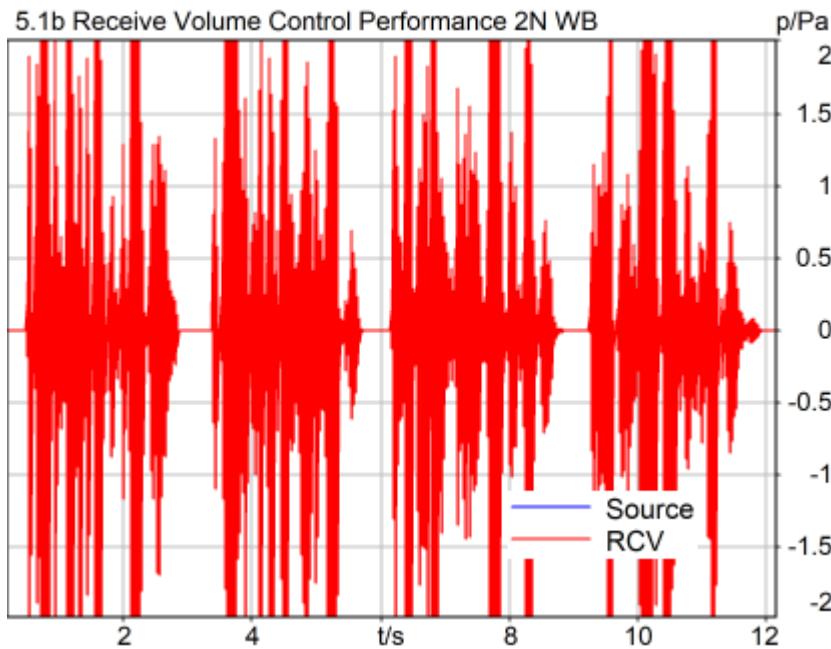
2025/2/7 10:08 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.89 dB[SPL]	84.07%	16.89 dB[SPL]	Ok

Ok

2025/2/7 10:12 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 23.85kbps_CH60
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:11
Responsible Person	audio

Status Overview

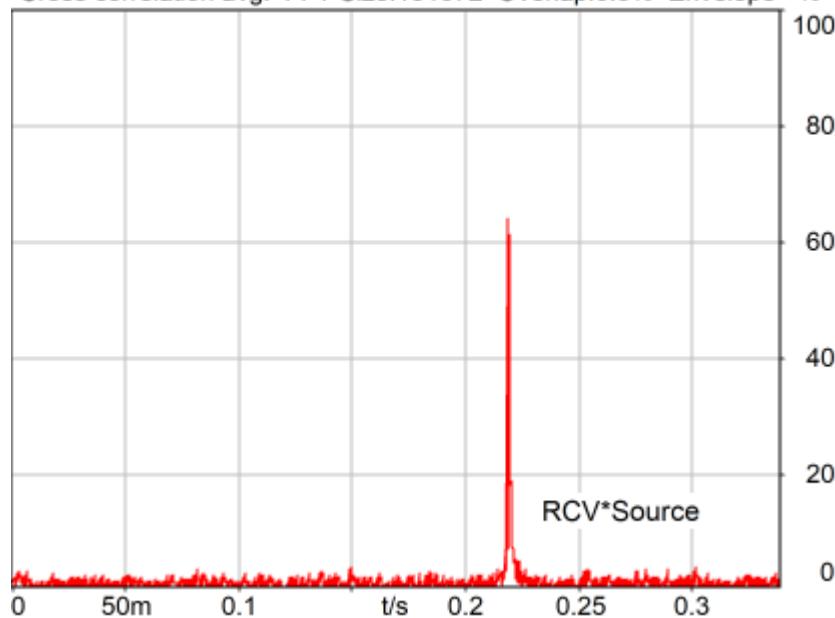
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	219.1	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 23.85kbps_CH60
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.41	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 23.85kbps_CH60
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	17.06	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 23.85kbps_CH60

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

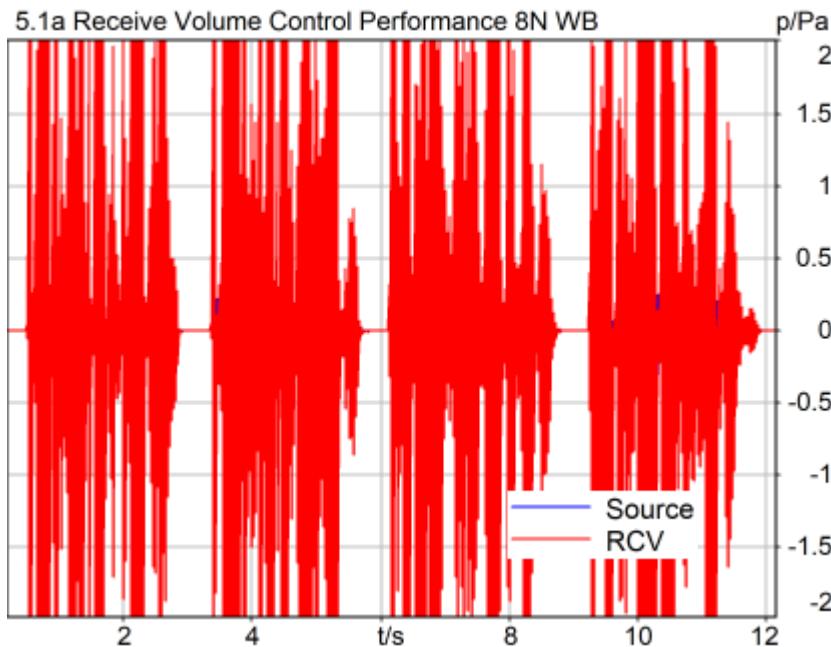


Channel	Delay
RCV*Source	219.1 ms

2025/2/7 10:09 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.41 dB[SPL]	83.90%	22.41 dB[SPL]	Ok

Ok

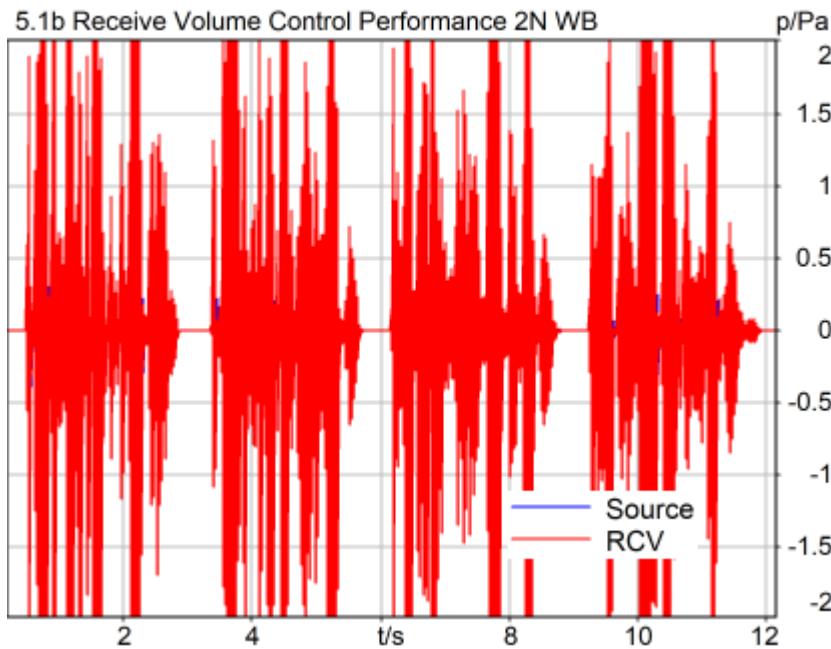
2025/2/7 10:10 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	87.06 dB[SPL]	83.92%	17.06 dB[SPL]	Ok

Ok

2025/2/7 10:11 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 23.85kbps_CH132
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:18
Responsible Person	audio

Status Overview

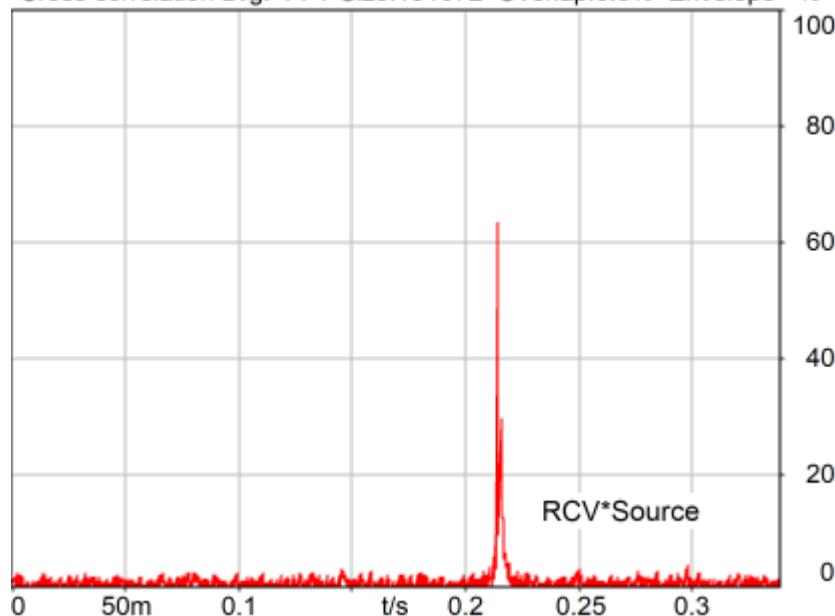
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	215.1	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 23.85kbps_CH132
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.06	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 23.85kbps_CH132
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.85	HUHAO_2403_WIFI5G_802.11a_6M_AMR WB 23.85kbps_CH132

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

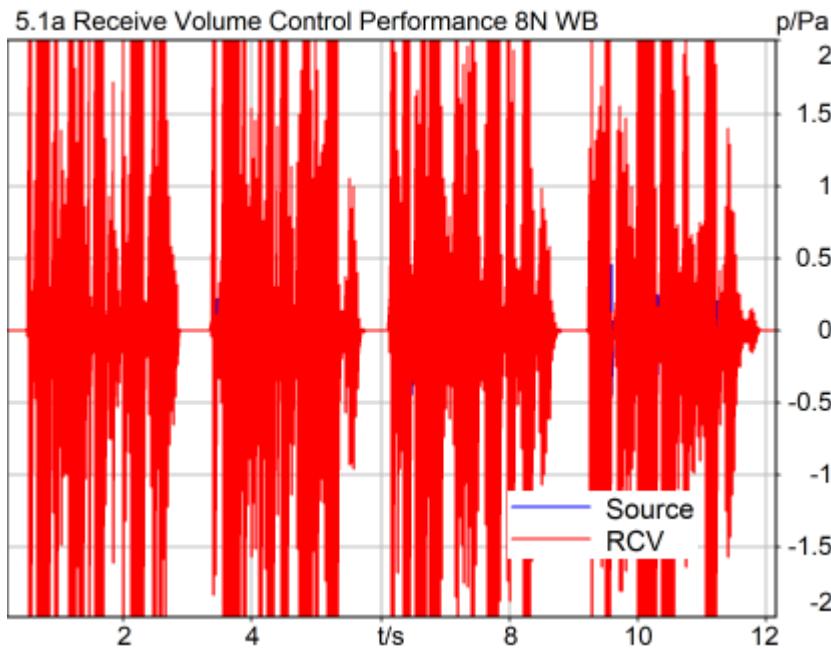


Channel	Delay
RCV*Source	215.1 ms

2025/2/7 11:26 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.06 dB[SPL]	84.16%	22.06 dB[SPL]	Ok

Ok

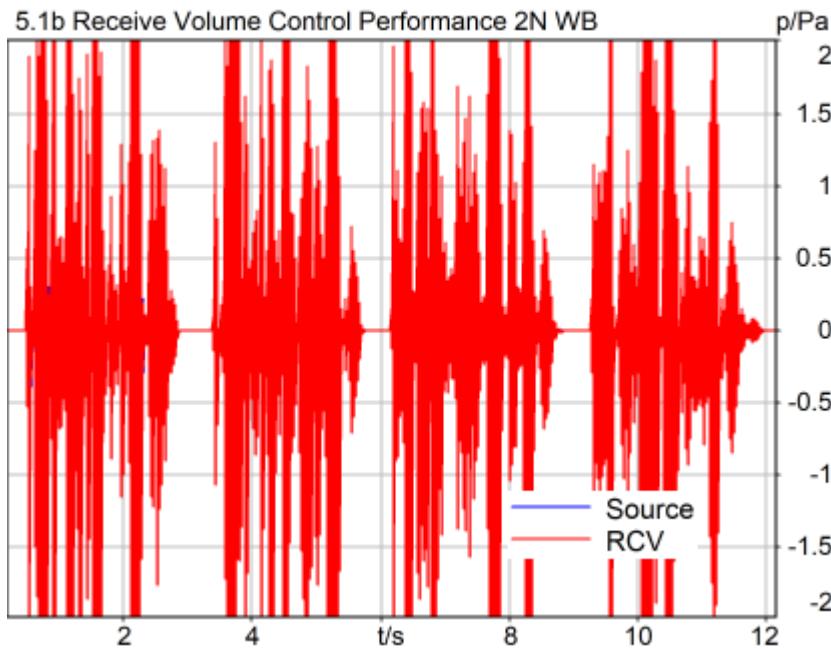
2025/2/7 11:27 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.85 dB[SPL]	83.95%	16.85 dB[SPL]	Ok

Ok

2025/2/7 11:29 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_AMRWB 6.6kbps_CH132
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:18
Responsible Person	audio

Status Overview

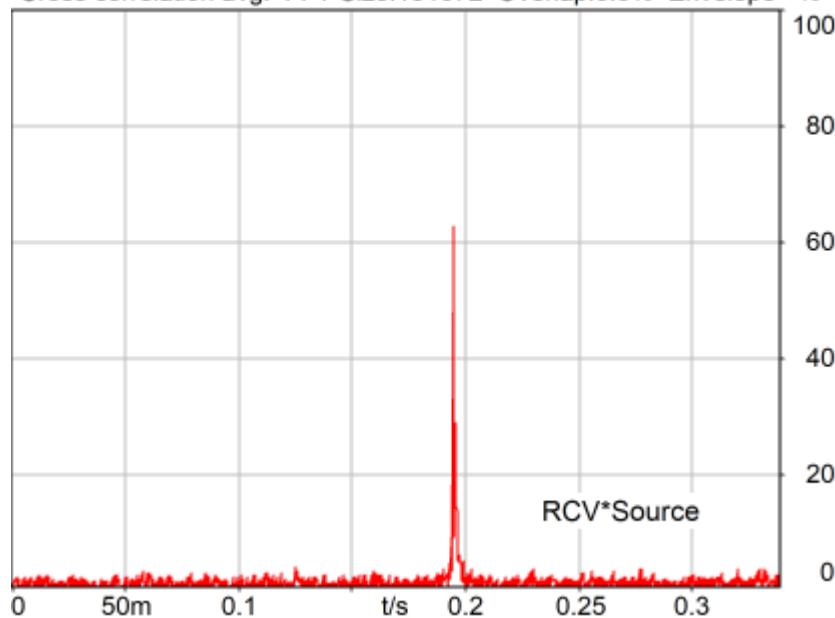
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	195.0	HUHAO_2403_WIFI5G_802.11a_6M_AMRWB 6.6kbps_CH132
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.03	HUHAO_2403_WIFI5G_802.11a_6M_AMRWB 6.6kbps_CH132
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	17.02	HUHAO_2403_WIFI5G_802.11a_6M_AMRWB 6.6kbps_CH132

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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



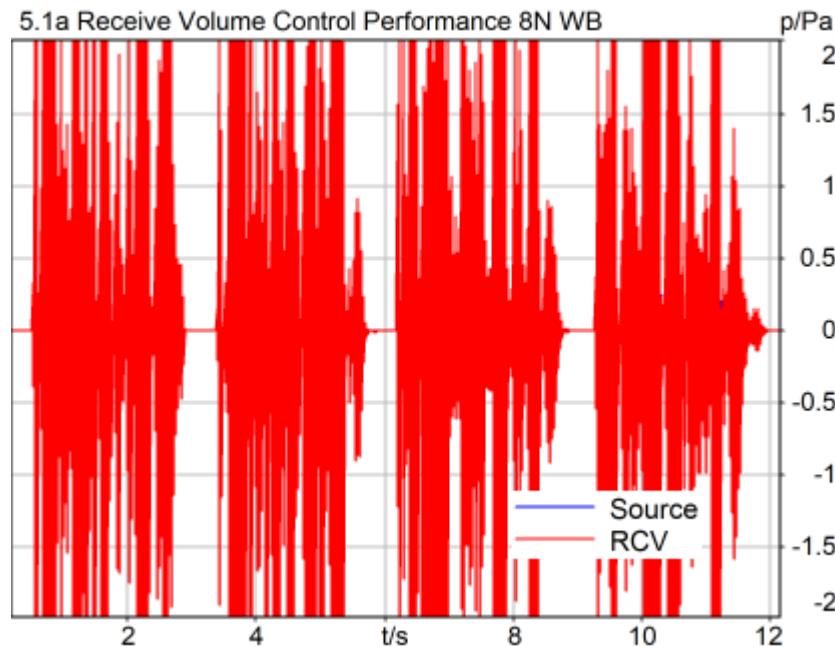
Channel	Delay
RCV*Source	195.0 ms

2025/2/7 11:25 ACQUA 6.0.200

Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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

**Correction**

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.03 dB[SPL]	83.94%	22.03 dB[SPL]	Ok

Ok

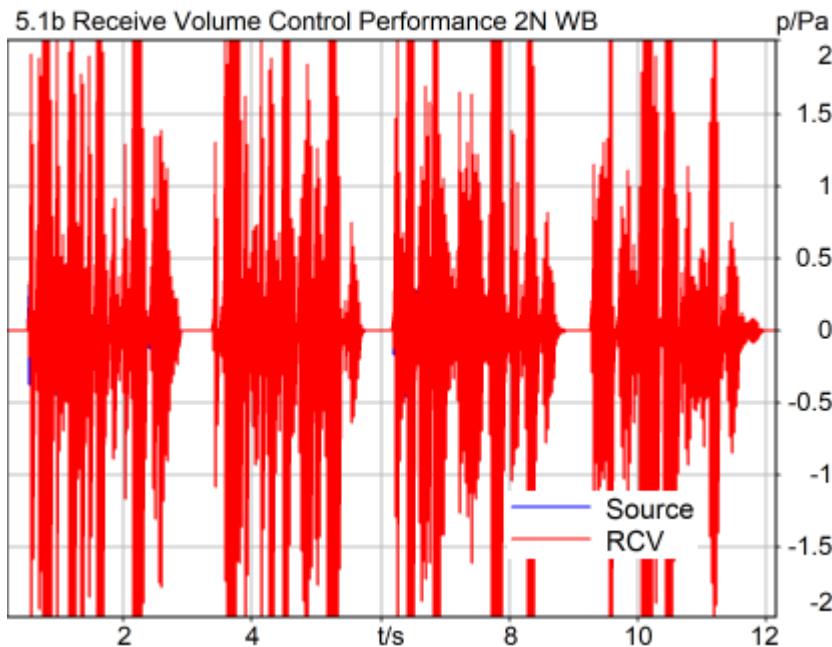
2025/2/7 11:25 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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

**Correction**

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	87.02 dB[SPL]	83.96%	17.02 dB[SPL]	Ok

Ok

2025/2/7 11:30 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS NB 5.9kbps_CH60
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:12
Responsible Person	audio

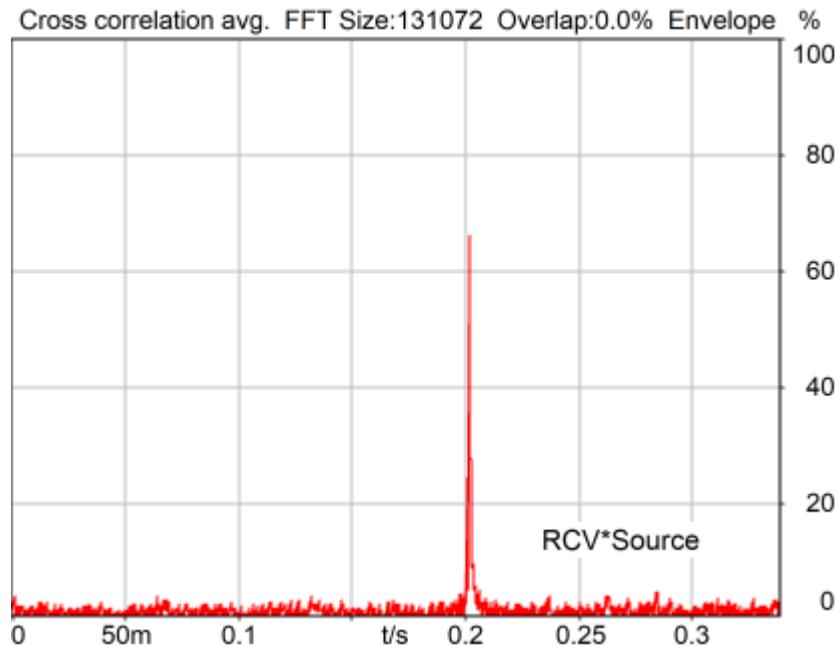
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	201.9	HUHAO_2403_WIFI5G_802.11a_6M_EVS NB 5.9kbps_CH60
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	22.04	HUHAO_2403_WIFI5G_802.11a_6M_EVS NB 5.9kbps_CH60
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	16.67	HUHAO_2403_WIFI5G_802.11a_6M_EVS NB 5.9kbps_CH60

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

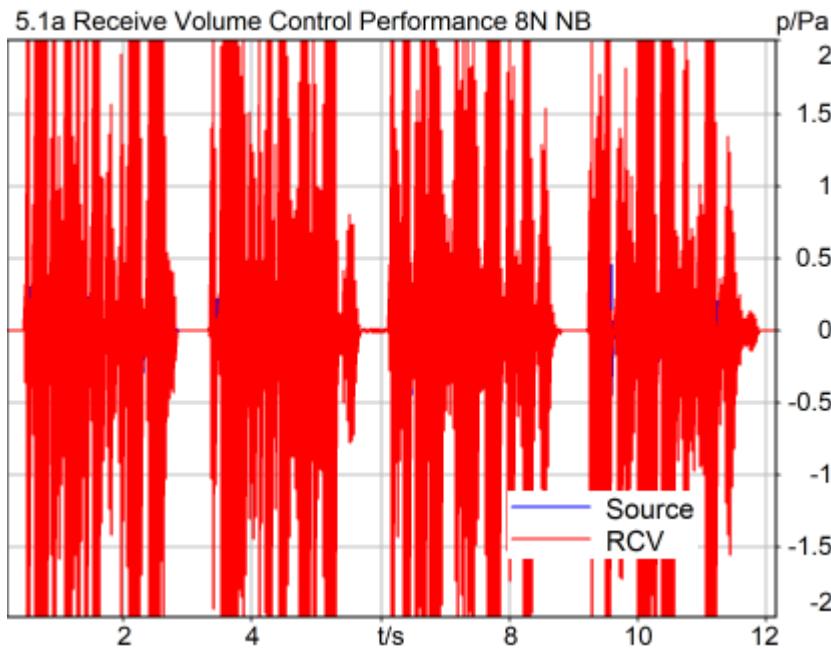


Channel	Delay
RCV*Source	201.9 ms

2025/2/7 9:55 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.04 dB[SPL]	84.21%	22.04 dB[SPL]	Ok

Ok

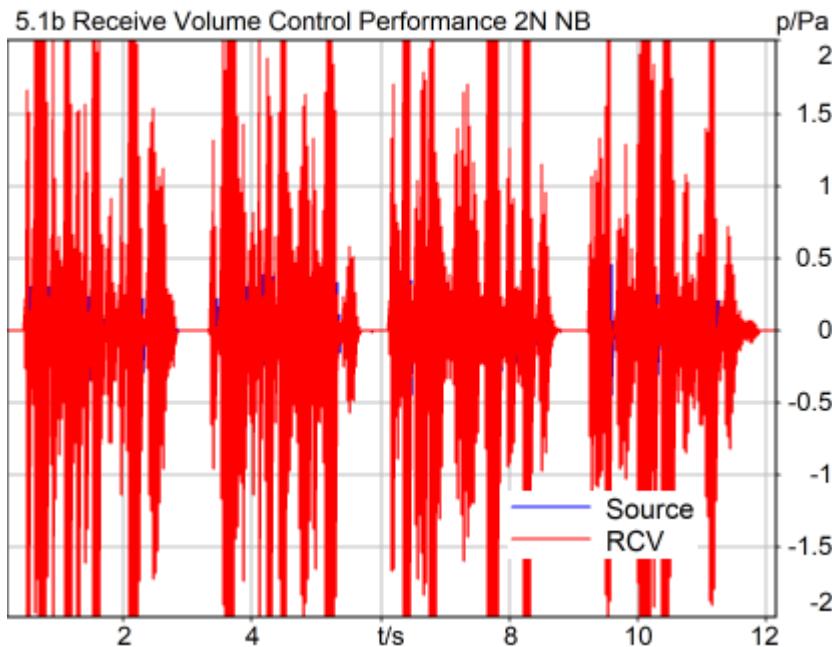
2025/2/7 9:56 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.67 dB[SPL]	84.33%	16.67 dB[SPL]	Ok

Ok

2025/2/7 9:58 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS NB 5.9kbps_CH132
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:18
Responsible Person	audio

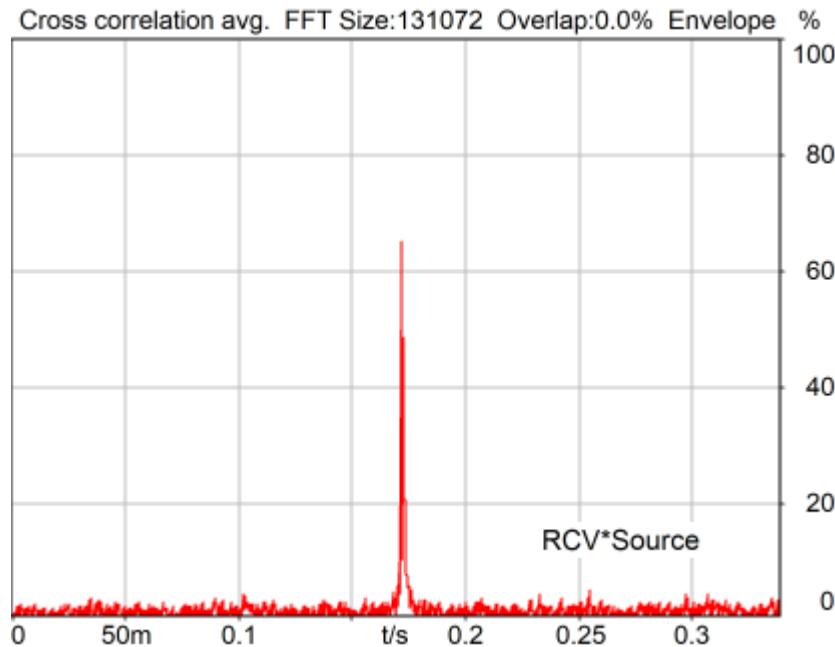
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	172.2	HUHAO_2403_WIFI5G_802.11a_6M_EVS NB 5.9kbps_CH132
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	21.83	HUHAO_2403_WIFI5G_802.11a_6M_EVS NB 5.9kbps_CH132
5.1b Receive Volume Control Performance 2N NB	Ok	Corrected Speech Level [dB[SPL]]	16.56	HUHAO_2403_WIFI5G_802.11a_6M_EVS NB 5.9kbps_CH132

Overall Receive Delay NB	4
5.1a Receive Volume Control Performance 8N NB	4
5.1b Receive Volume Control Performance 2N NB	5

Overall Receive Delay NB

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

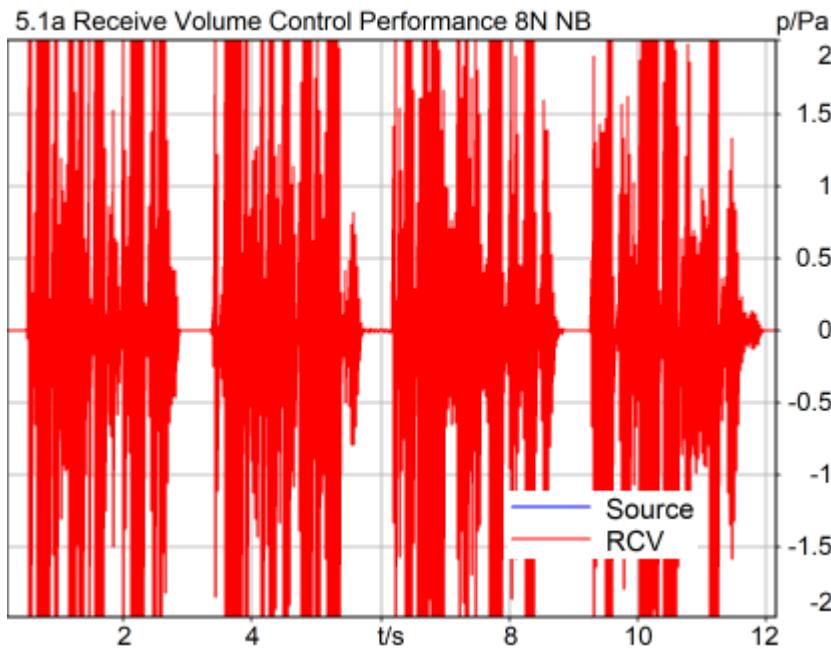


Channel	Delay
RCV*Source	172.2 ms

2025/2/7 12:10 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.83 dB[SPL]	83.89%	21.83 dB[SPL]	Ok

Ok

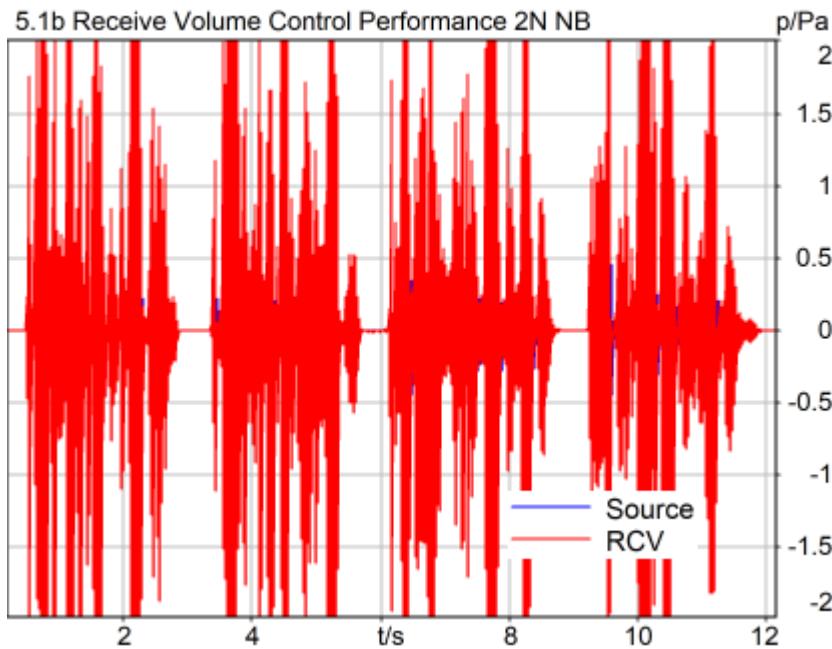
2025/2/7 12:11 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N NB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.56 dB[SPL]	84.37%	16.56 dB[SPL]	Ok

Ok

2025/2/7 12:10 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH60
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:13
Responsible Person	audio

Status Overview

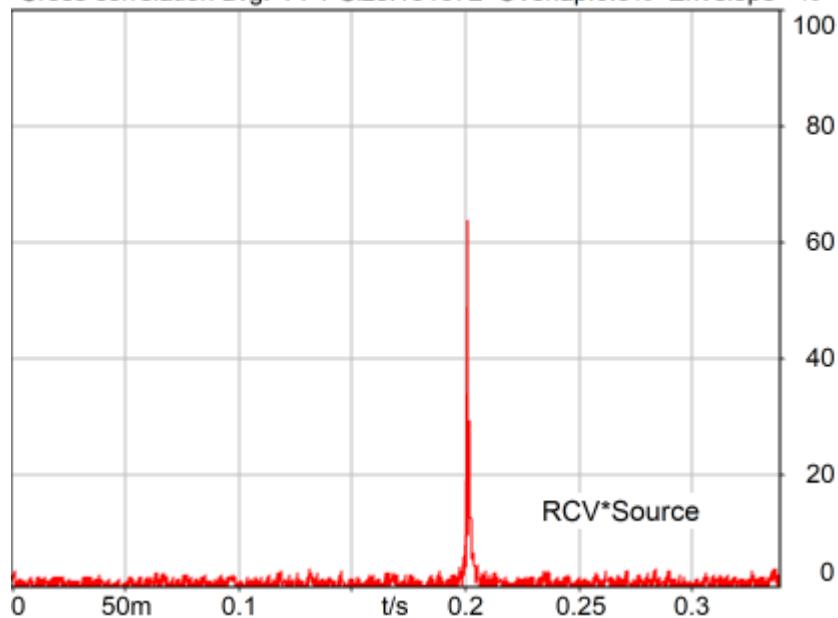
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	201.4	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH60
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.20	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH60
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.63	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH60

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

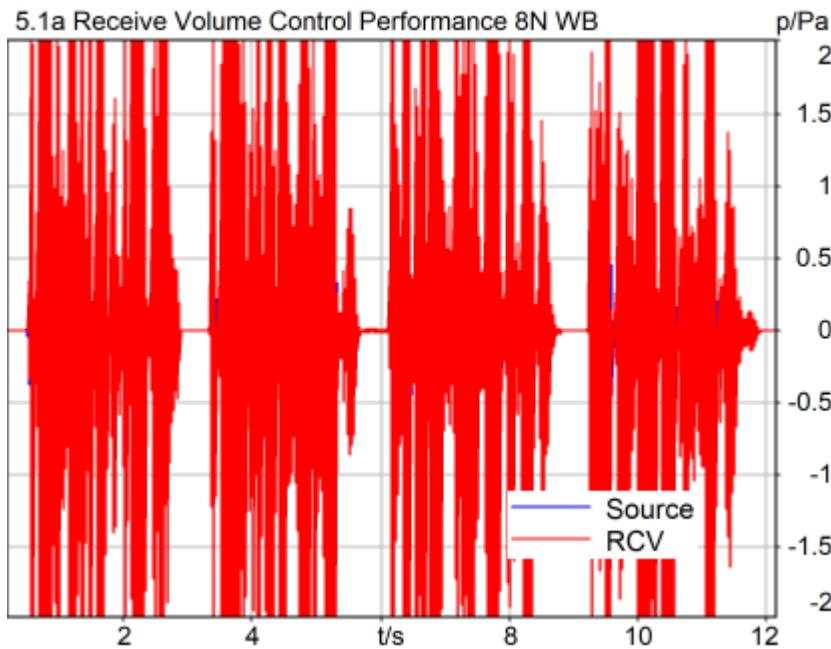


Channel	Delay
RCV*Source	201.4 ms

2025/3/19 13:45 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.20 dB[SPL]	84.01%	22.20 dB[SPL]	Ok

Ok

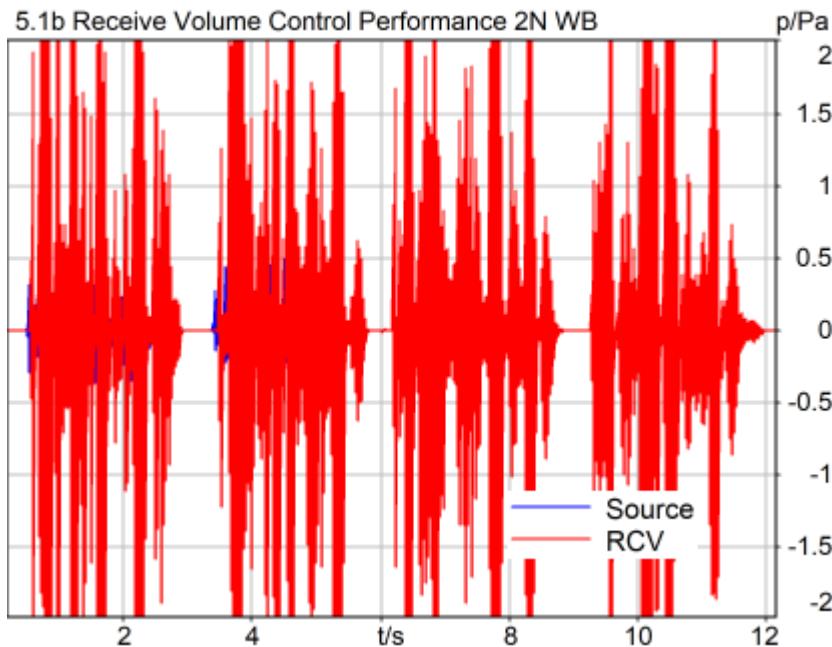
2025/3/19 13:45 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.63 dB[SPL]	84.67%	16.63 dB[SPL]	Ok

Ok

2025/3/19 13:44 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH132
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:19
Responsible Person	audio

Status Overview

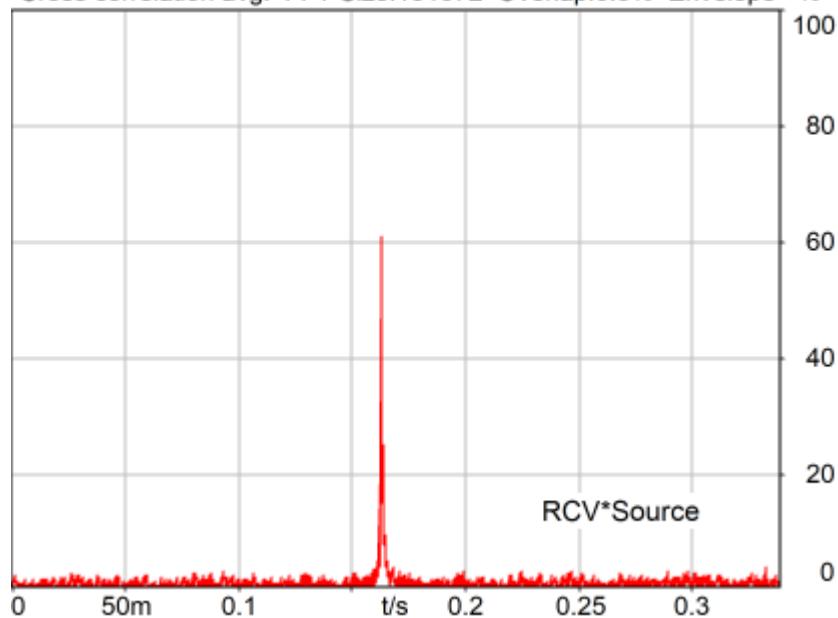
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	163.5	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH132
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.57	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH132
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.36	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH132

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

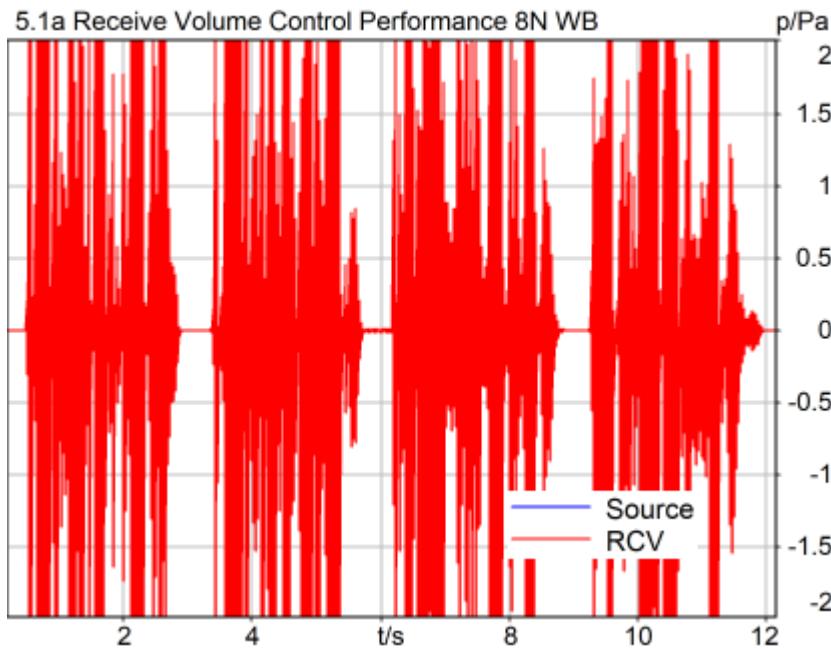


Channel	Delay
RCV*Source	163.5 ms

2025/3/19 14:05 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.57 dB[SPL]	84.33%	21.57 dB[SPL]	Ok

Ok

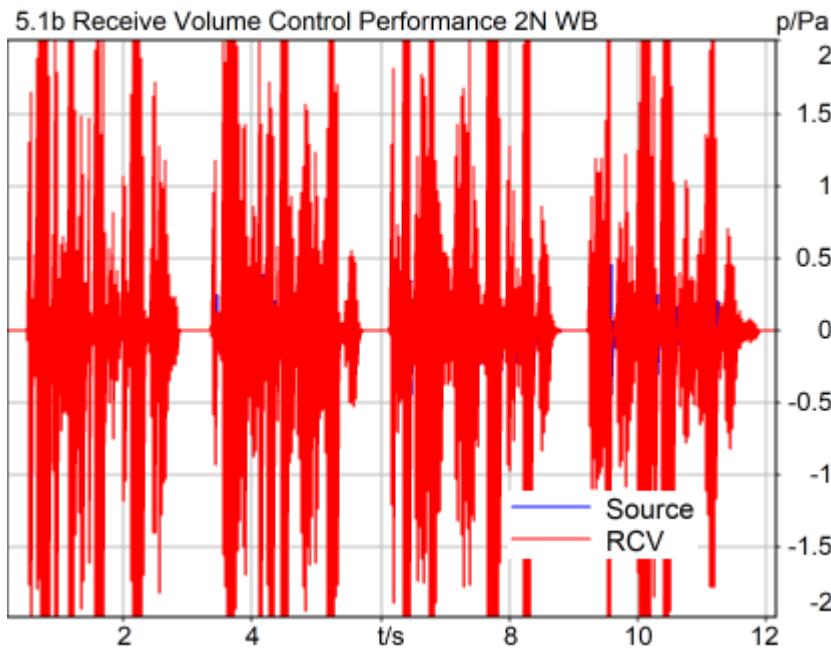
2025/3/19 14:05 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.36 dB[SPL]	84.34%	16.36 dB[SPL]	Ok

Ok

2025/3/19 14:04 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH157
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:23
Responsible Person	audio

Status Overview

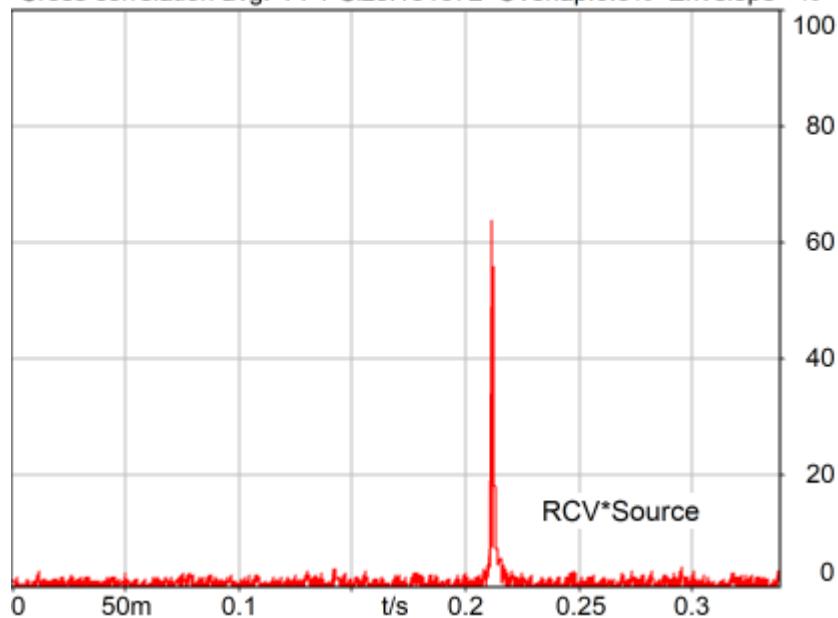
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	212.7	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH157
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.37	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH157
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	17.12	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 9.6kbps_CH157

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

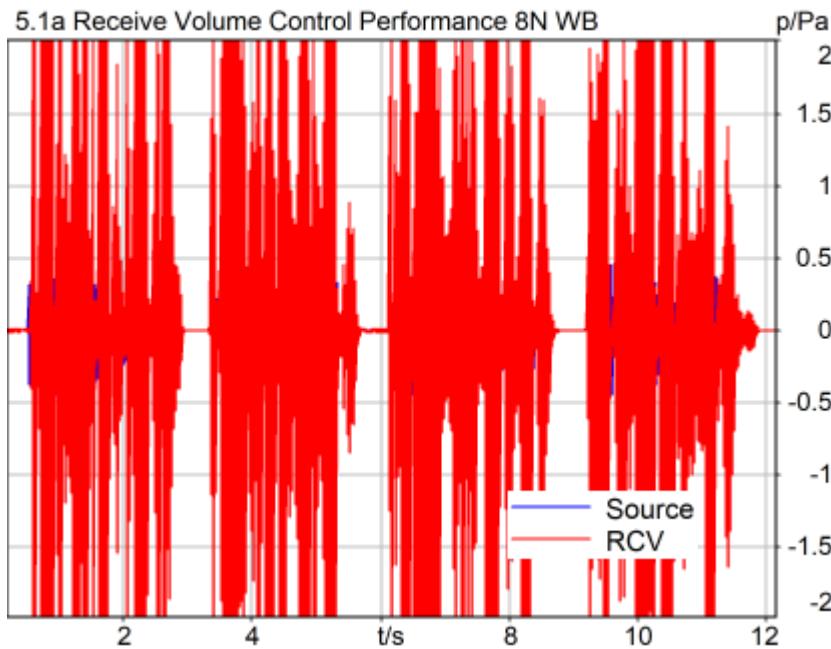


Channel	Delay
RCV*Source	212.7 ms

2025/3/19 13:57 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.37 dB[SPL]	84.03%	22.37 dB[SPL]	Ok

Ok

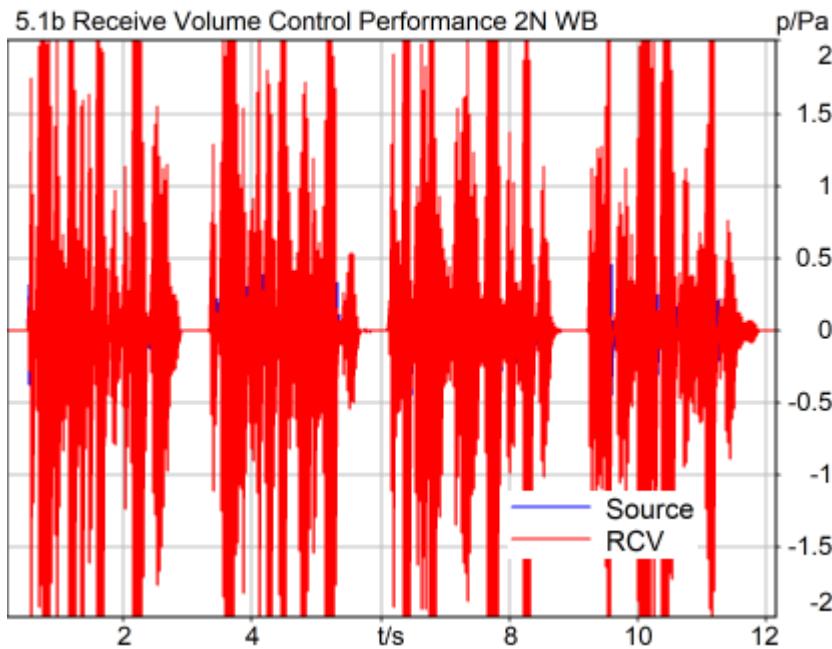
2025/3/19 13:57 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	87.12 dB[SPL]	84.08%	17.12 dB[SPL]	Ok

Ok

2025/3/19 13:58 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH60
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Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:13
Responsible Person	audio

Status Overview

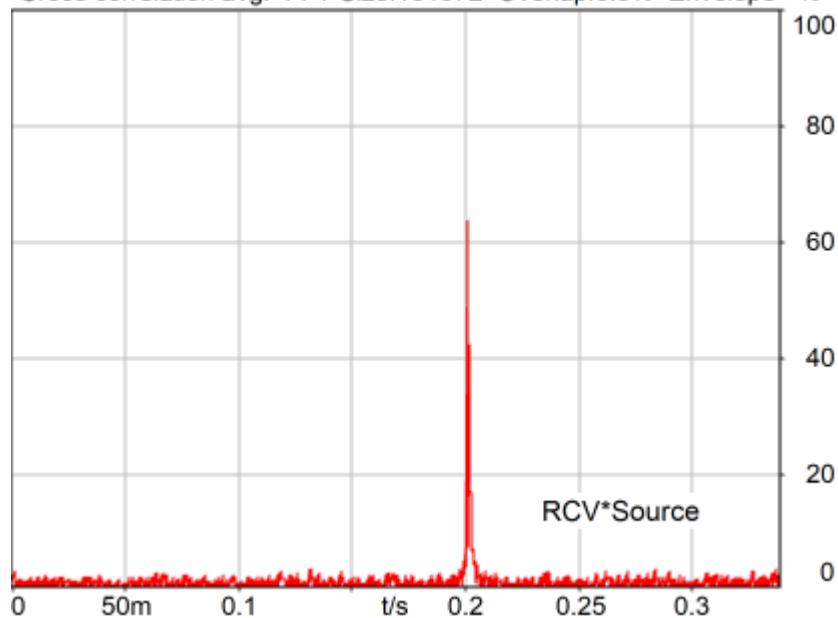
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	201.6	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH60
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.17	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH60
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.92	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH60

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

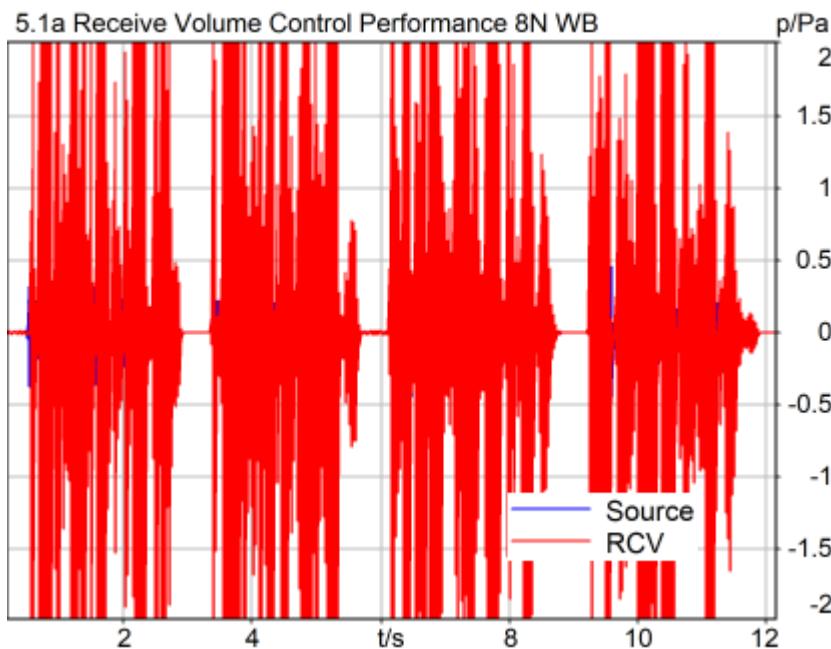


Channel	Delay
RCV*Source	201.6 ms

2025/3/19 13:47 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.17 dB[SPL]	83.95%	22.17 dB[SPL]	Ok

Ok

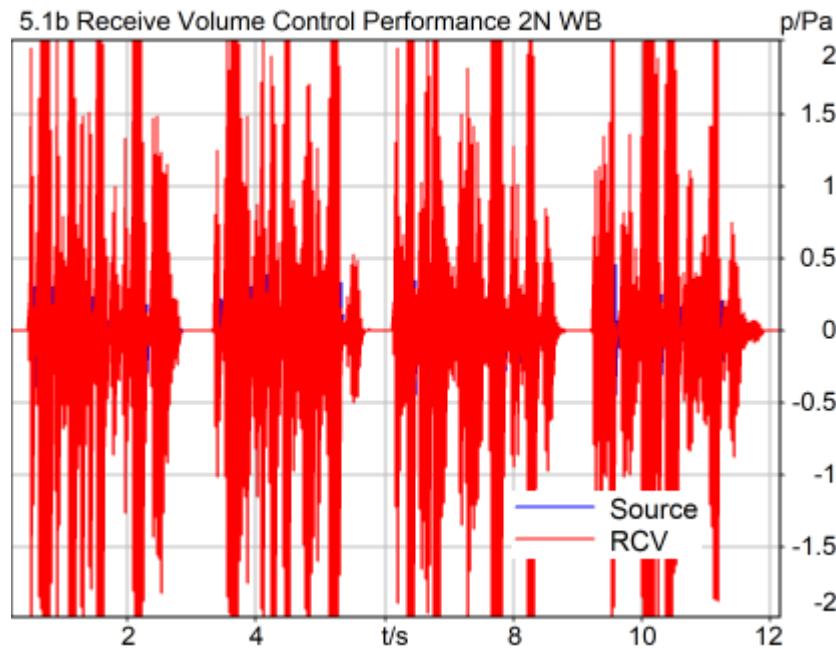
2025/3/19 13:47 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.92 dB[SPL]	84.27%	16.92 dB[SPL]	Ok

Ok

2025/3/19 13:48 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH132
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:20
Responsible Person	audio

Status Overview

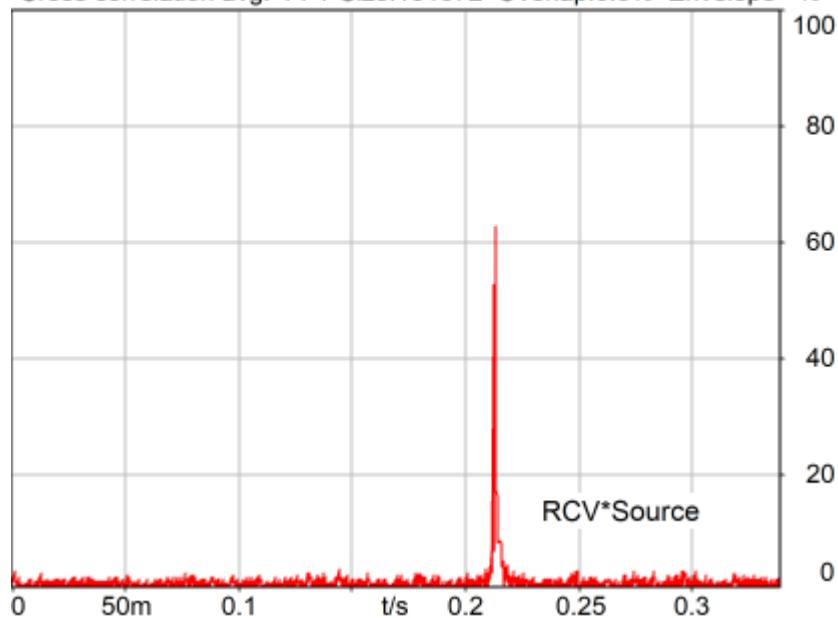
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	213.7	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH132
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.67	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH132
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.32	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH132

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

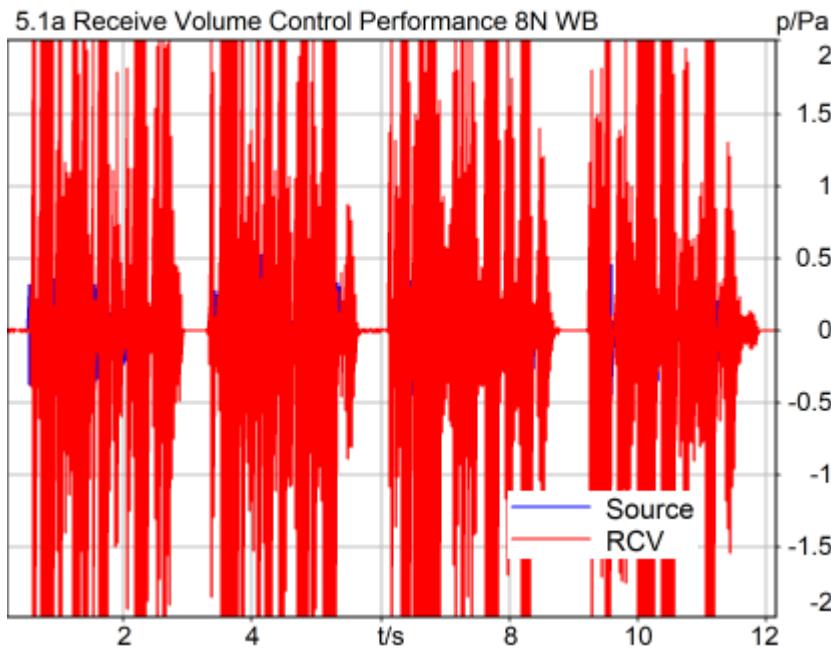


Channel	Delay
RCV*Source	213.7 ms

2025/3/19 14:07 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.67 dB[SPL]	84.34%	21.67 dB[SPL]	Ok

Ok

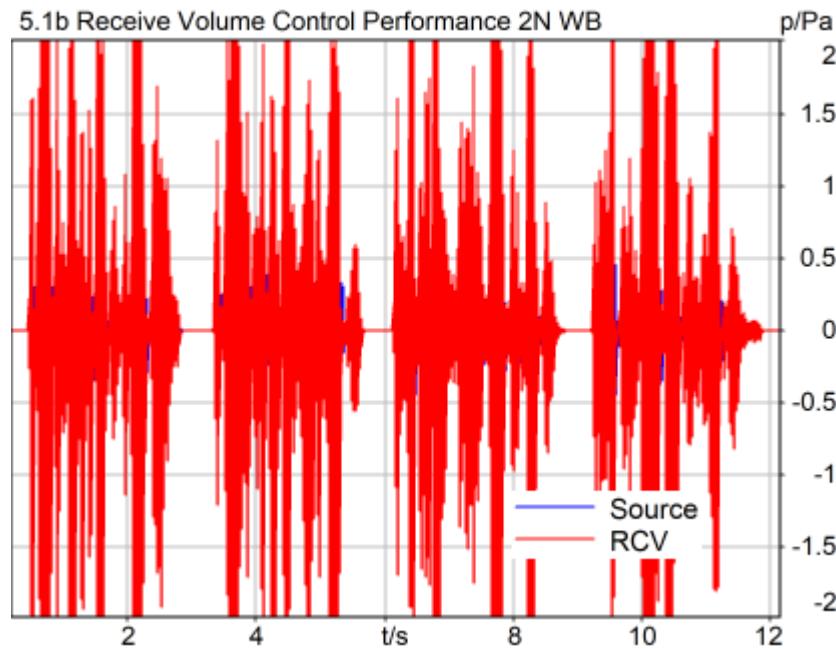
2025/3/19 14:07 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.32 dB[SPL]	84.47%	16.32 dB[SPL]	Ok

Ok

2025/3/19 14:08 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH157
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:23
Responsible Person	audio

Status Overview

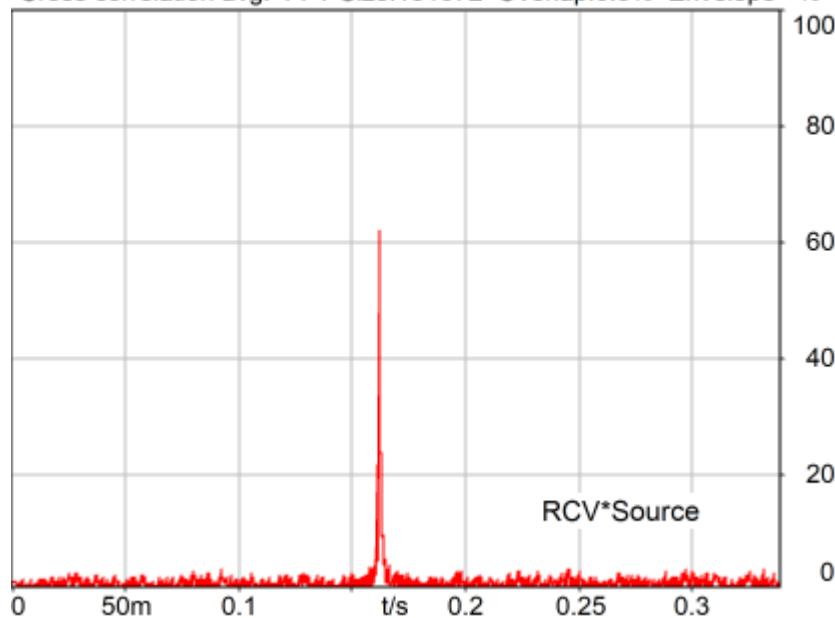
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	162.5	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH157
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.17	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH157
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.99	HUHAO_2403_WIFI5G_802.11a_6M_EVS SWB 128kbps_CH157

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

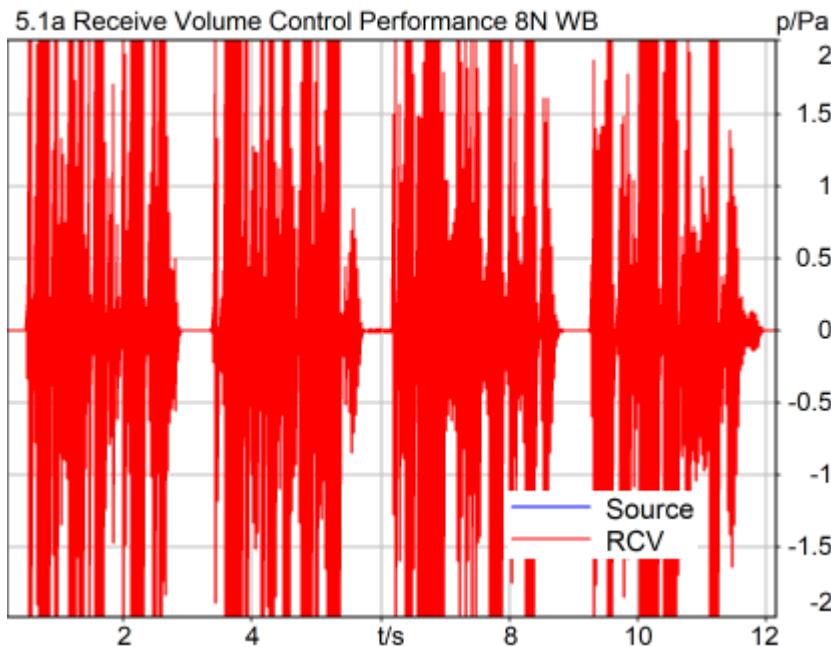


Channel	Delay
RCV*Source	162.5 ms

2025/3/19 13:55 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.17 dB[SPL]	84.12%	22.17 dB[SPL]	Ok

Ok

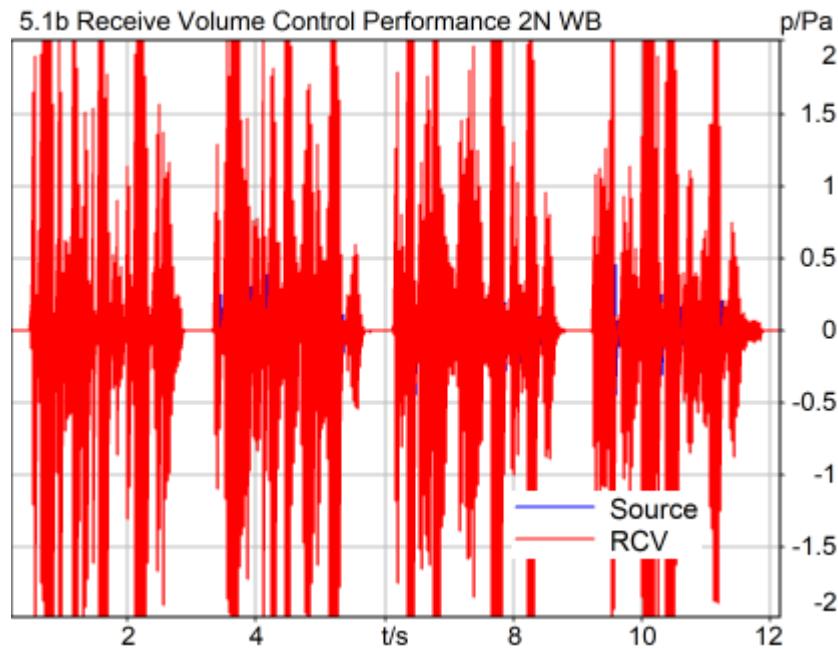
2025/3/19 13:55 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.99 dB[SPL]	84.24%	16.99 dB[SPL]	Ok

Ok

2025/3/19 13:54 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS WB 9.6kbps_CH60
--------------------	--

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:12
Responsible Person	audio

Status Overview

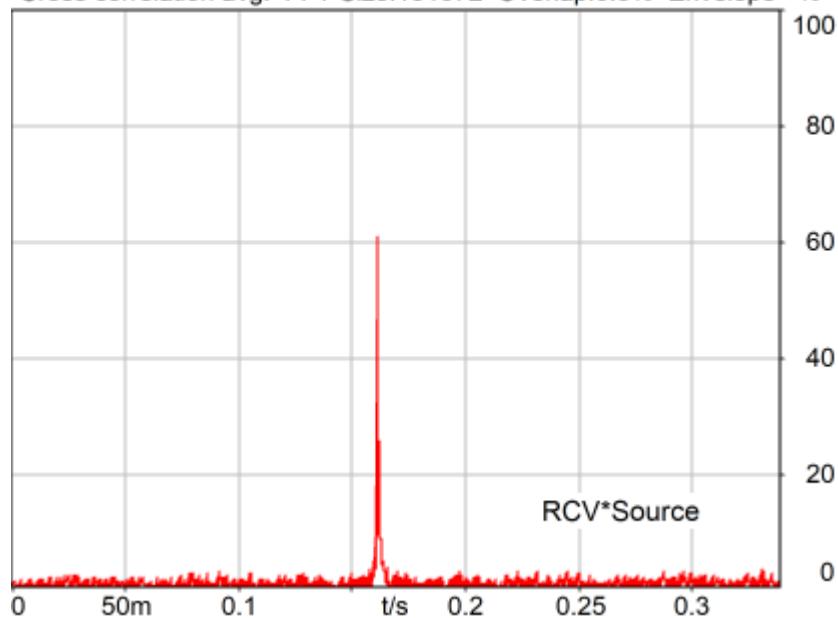
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	161.8	HUHAO_2403_WIFI5G_802.11a_6M_EVS WB 9.6kbps_CH60
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	21.98	HUHAO_2403_WIFI5G_802.11a_6M_EVS WB 9.6kbps_CH60
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.79	HUHAO_2403_WIFI5G_802.11a_6M_EVS WB 9.6kbps_CH60

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

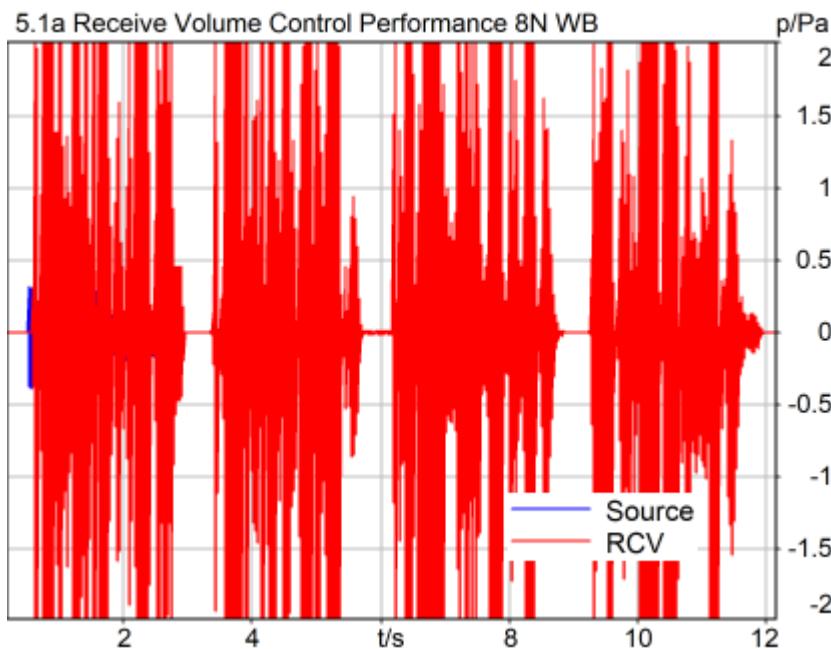


Channel	Delay
RCV*Source	161.8 ms

2025/2/7 9:52 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	91.98 dB[SPL]	84.07%	21.98 dB[SPL]	Ok

Ok

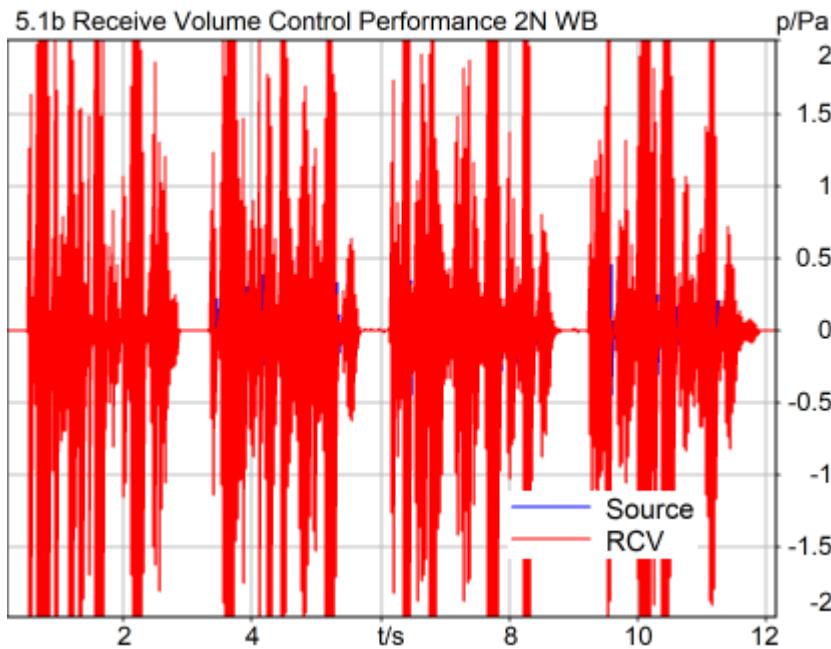
2025/2/7 9:53 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.79 dB[SPL]	84.59%	16.79 dB[SPL]	Ok

Ok

2025/2/7 9:52 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

Measurement Protocol

Measurement Object	HUHAO_2403_WIFI5G_802.11a_6M_EVS WB 9.6kbps_CH132
--------------------	---

Project	TIA-5050 (2018-01)
Report Generation Date	2025/3/21 14:19
Responsible Person	audio

Status Overview

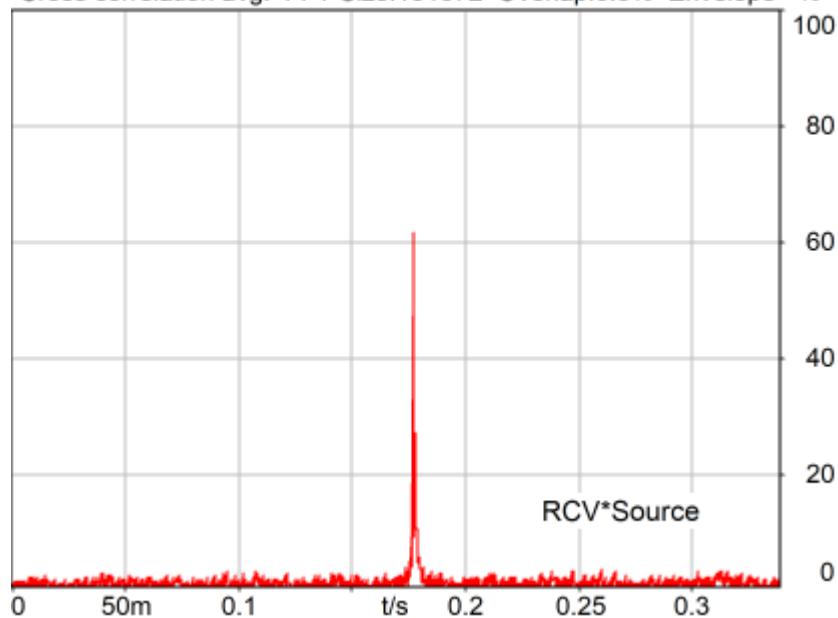
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	177.5	HUHAO_2403_WIFI5G_802.11a_6M_EVS WB 9.6kbps_CH132
5.1a Receive Volume Control Performance 8N WB	Ok	Corrected Speech Level [dB[SPL]]	22.09	HUHAO_2403_WIFI5G_802.11a_6M_EVS WB 9.6kbps_CH132
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	16.67	HUHAO_2403_WIFI5G_802.11a_6M_EVS WB 9.6kbps_CH132

Overall Receive Delay WB	4
5.1a Receive Volume Control Performance 8N WB	4
5.1b Receive Volume Control Performance 2N WB	5

Overall Receive Delay WB

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

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

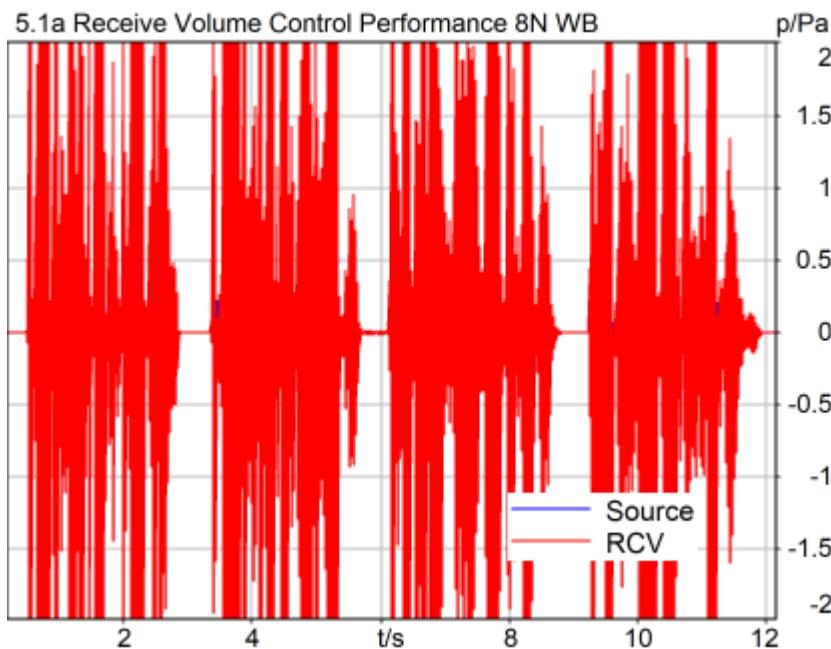


Channel	Delay
RCV*Source	177.5 ms

2025/2/7 11:12 ACQUA 6.0.200
Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	92.09 dB[SPL]	84.10%	22.09 dB[SPL]	Ok

Ok

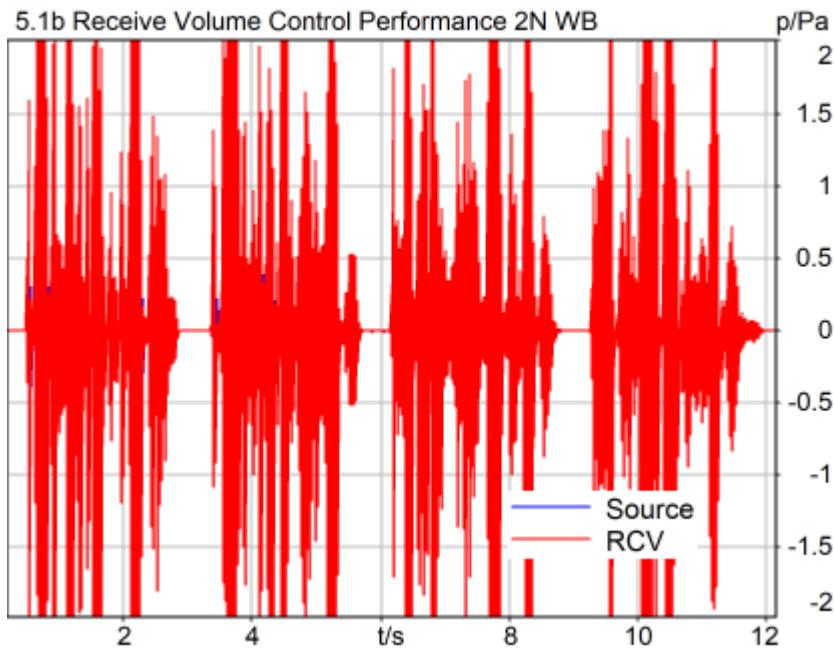
2025/2/7 11:12 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa

5.1b Receive Volume Control Performance 2N WB

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



Correction

X - 70

Channel	Speech level	Activity	Corrected speech level	
RCV	86.67 dB[SPL]	84.39%	16.67 dB[SPL]	Ok

Ok

2025/2/7 11:14 ACQUA 6.0.200

Limits

	lower
Run 1	6.00 dB20uPa