
Measurement Protocol

Measurement Object	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
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Project	SUES2605001219AT SH6670
Report Generation Date	6/9/2026 9:52 AM
Responsible Person	HP

Status Overview

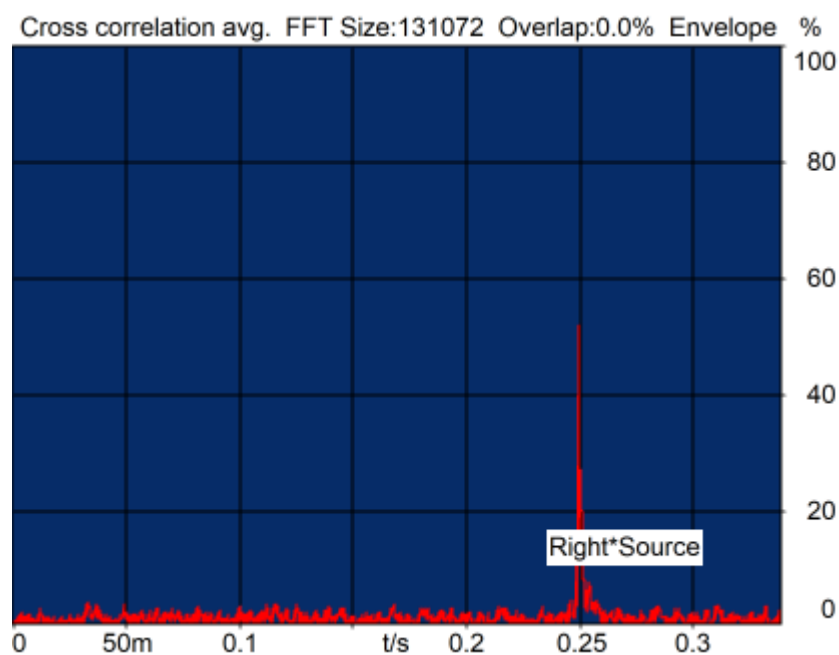
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	249.7	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.1b Receive Volume Control Performance 2N WB	Ok	Corrected Speech Level [dB[SPL]]	11.85	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.10	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.31	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.18	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.17	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.11	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.45	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.33	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	21.44	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.34	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	27.19	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.27	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.03	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.57	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.40	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1
Report - Receive Distortion and	Ok	Minimum SDNR [dB],	21.44	WLAN-2.4G 802.11b

Noise (Conversational Gain)		(occured at 1250Hz)		EVS_WB 2N 128Kbps MAX-1
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 5443.6 Hz	2.01	WLAN-2.4G 802.11b EVS_WB 2N 128Kbps MAX-1

Overall Receive Delay WB, Index: 1	6
5.1b Receive Volume Control Performance 2N WB, Index: 1	7
5.2 RCV Distortion and Noise - 250 Hz WB, Index: 1	8
5.2 RCV Distortion and Noise - 315 Hz WB, Index: 1	9
5.2 RCV Distortion and Noise - 400 Hz WB, Index: 1	10
5.2 RCV Distortion and Noise - 500 Hz WB, Index: 1	11
5.2 RCV Distortion and Noise - 630 Hz WB, Index: 1	12
5.2 RCV Distortion and Noise - 800 Hz WB, Index: 1	13
5.2 RCV Distortion and Noise - 1000 Hz WB, Index: 1	14
5.2 RCV Distortion and Noise - 1250 Hz WB, Index: 1	15
5.2 RCV Distortion and Noise - 1600 Hz WB, Index: 1	16
5.2 RCV Distortion and Noise - 2000 Hz WB, Index: 1	17
5.2 RCV Distortion and Noise - 2500 Hz WB, Index: 1	18
5.2 RCV Distortion and Noise - 3150 Hz WB, Index: 1	19
5.2 RCV Distortion and Noise - 4000 Hz WB, Index: 1	20
5.2 RCV Distortion and Noise - 5000 Hz WB, Index: 1	21
Report - Receive Distortion and Noise (Conversational Gain), Index: 1	22
5.3 Frequency Response 2N FF, Index: 1	23

Overall Receive Delay WB, Index: 1

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



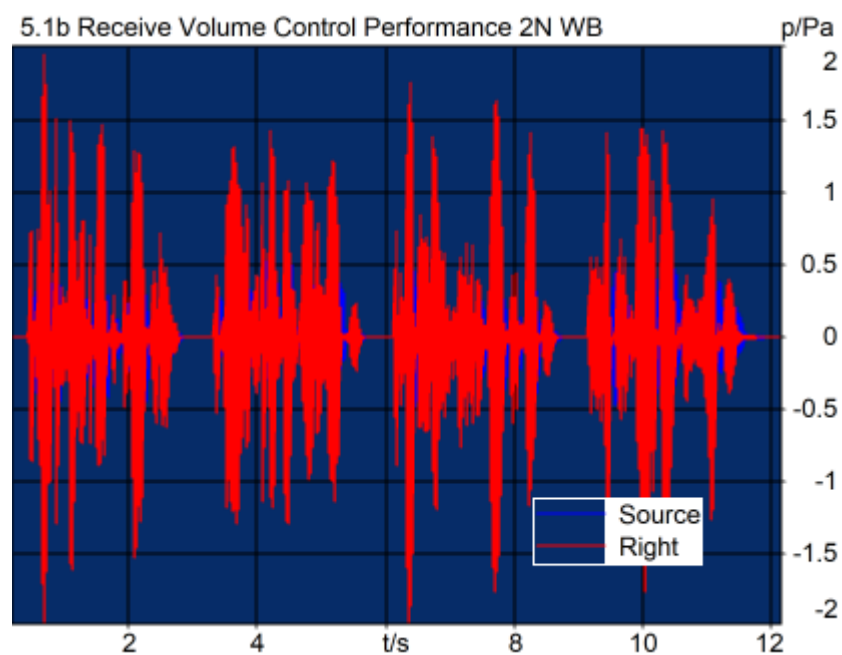
Channel	Delay	Correlation
Right*Source	249.7 ms	52.23 %

5/30/2026 10:58 AM ACQUA 6.1.110

Unmodified HEAD acoustics Measurement Descriptor

5.1b Receive Volume Control Performance 2N WB, Index: 1

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



Correction

X-70

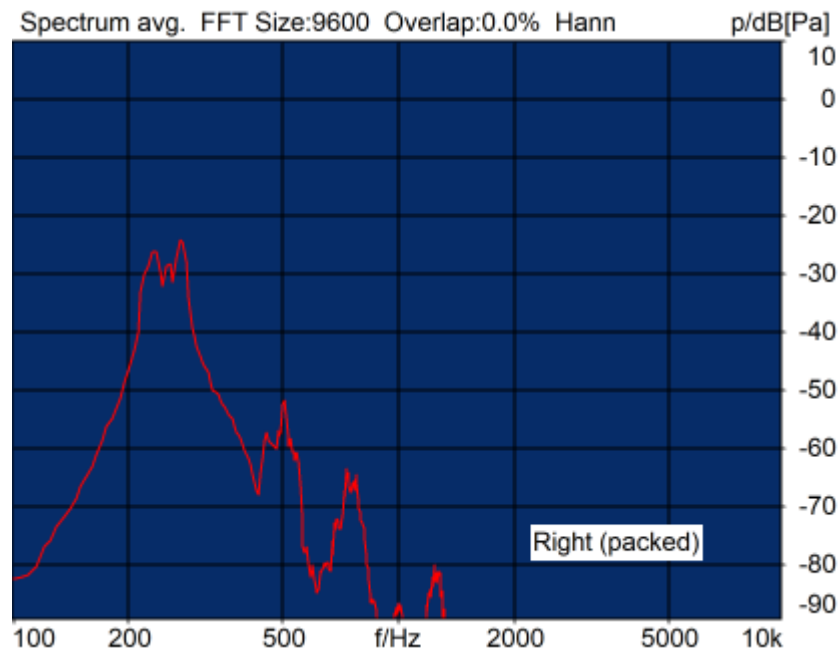
Channel	Speech level	Activity	Corrected speech level	
Right	81.85 dB[SPL]	77.02%	11.85 dB[SPL]	Ok

Ok

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5.2 RCV Distortion and Noise - 250 Hz WB, Index: 1

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



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

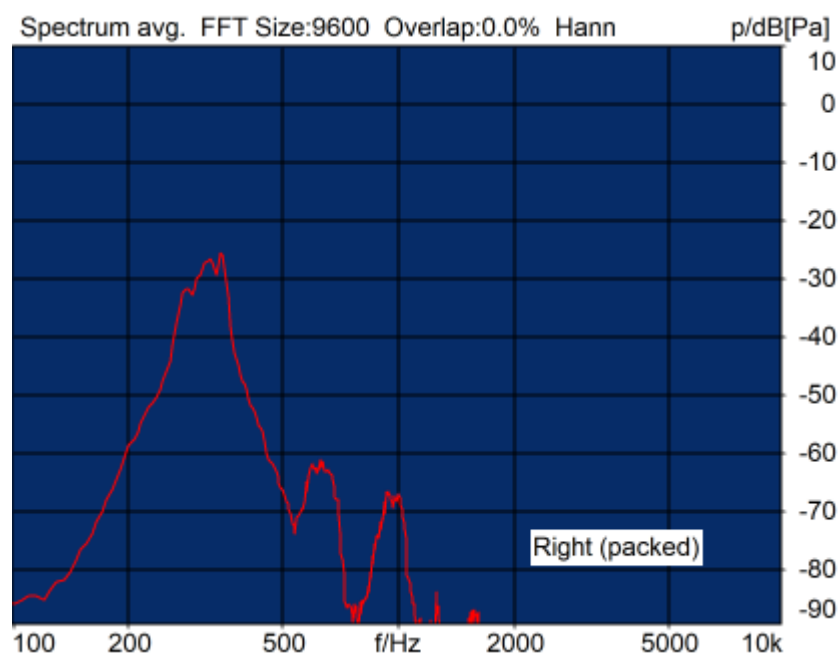
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 315 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 27.31 dB (4.31%) Ok

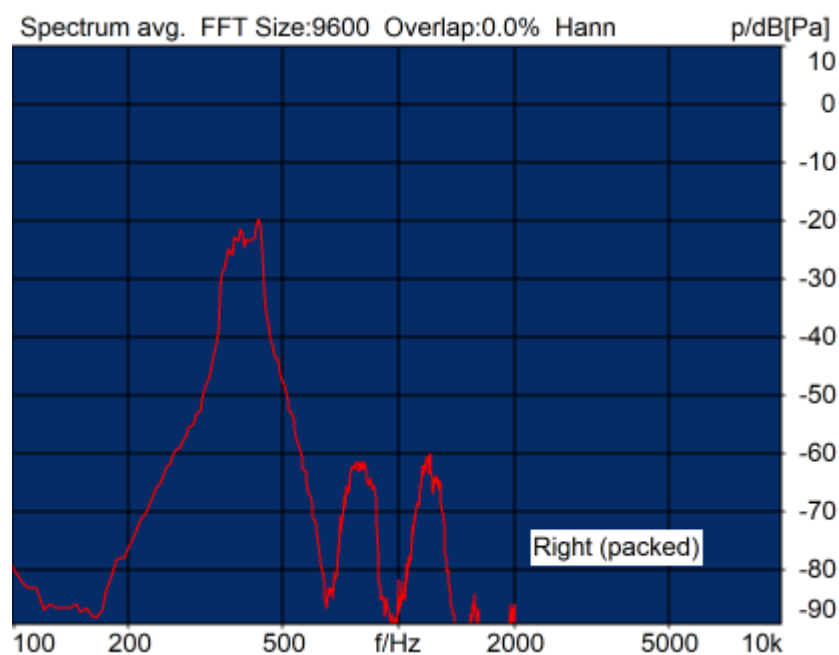
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 400 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 29.18 dB (3.48%) Ok

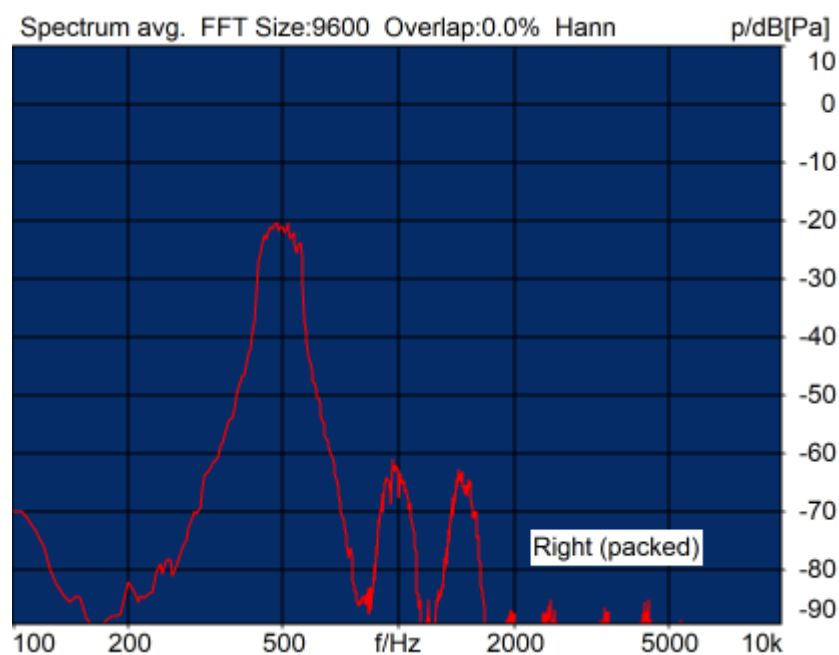
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 500 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 31.17 dB (2.76%) Ok

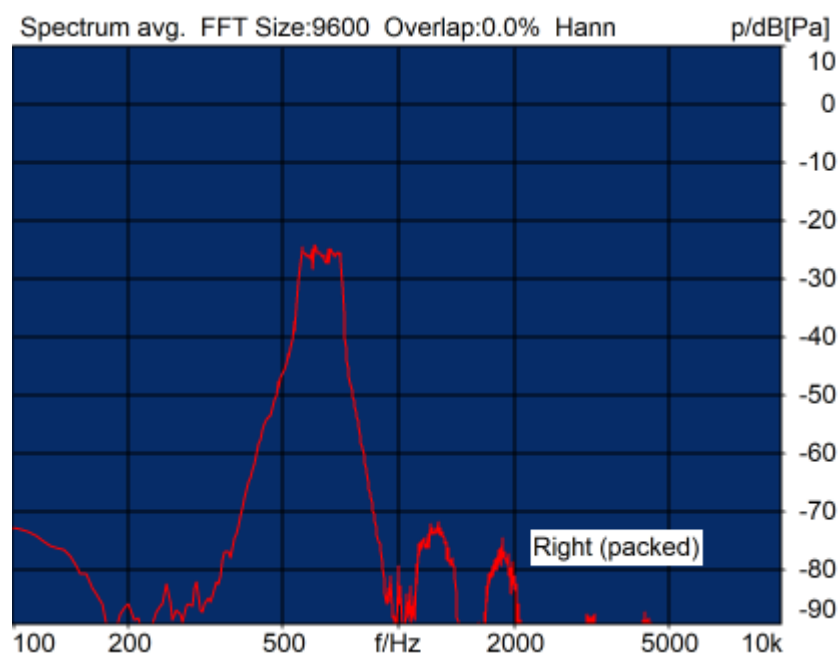
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 630 Hz WB, Index: 1

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



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

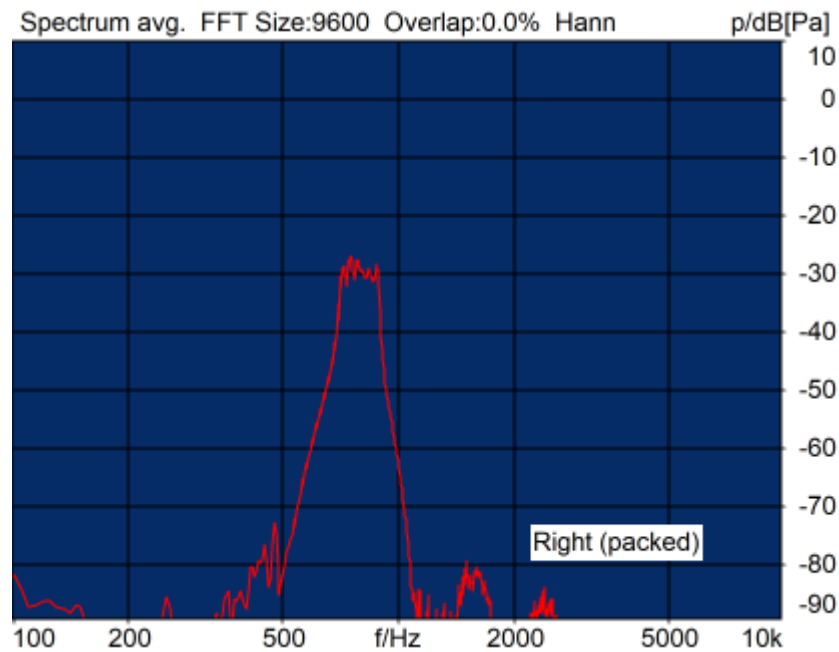
Ok

6/3/2026 6:03 PM ACQUA 6.1.110

Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 800 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 25.45 dB (5.34%) Ok

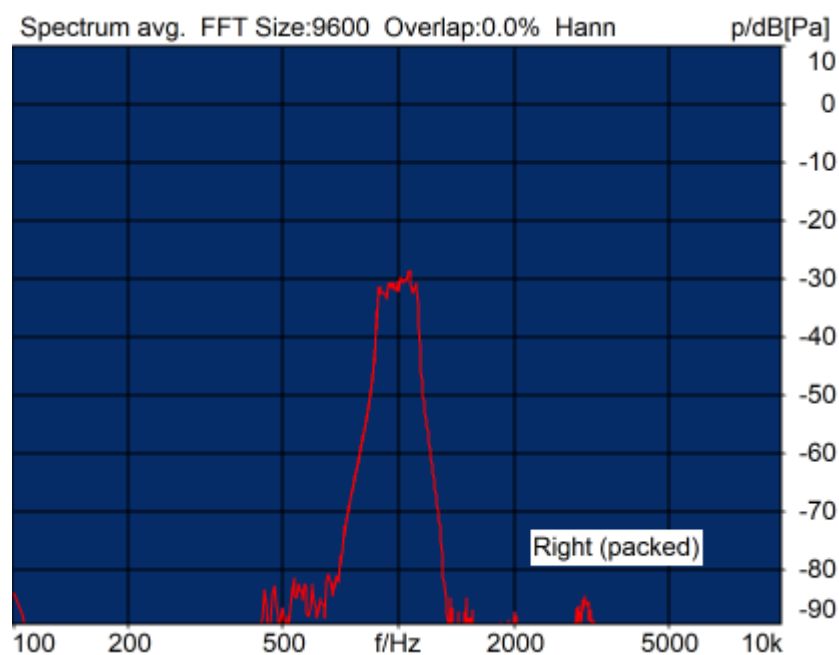
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 1000 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 26.33 dB (4.82%) Ok

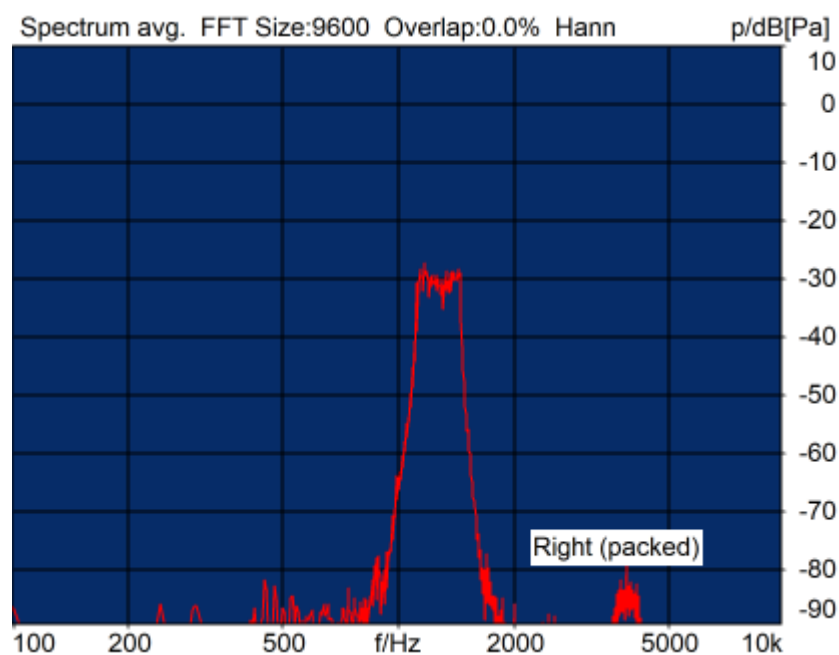
Ok

6/3/2026 6:04 PM ACQUA 6.1.110

Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 1250 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 21.44 dB (8.47%) Ok

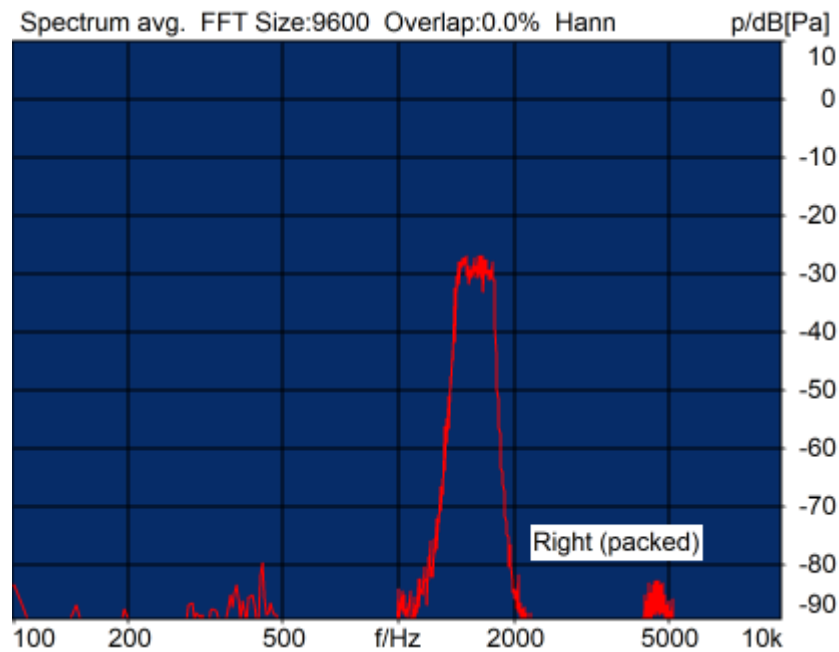
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 1600 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 30.34 dB (3.04%) Ok

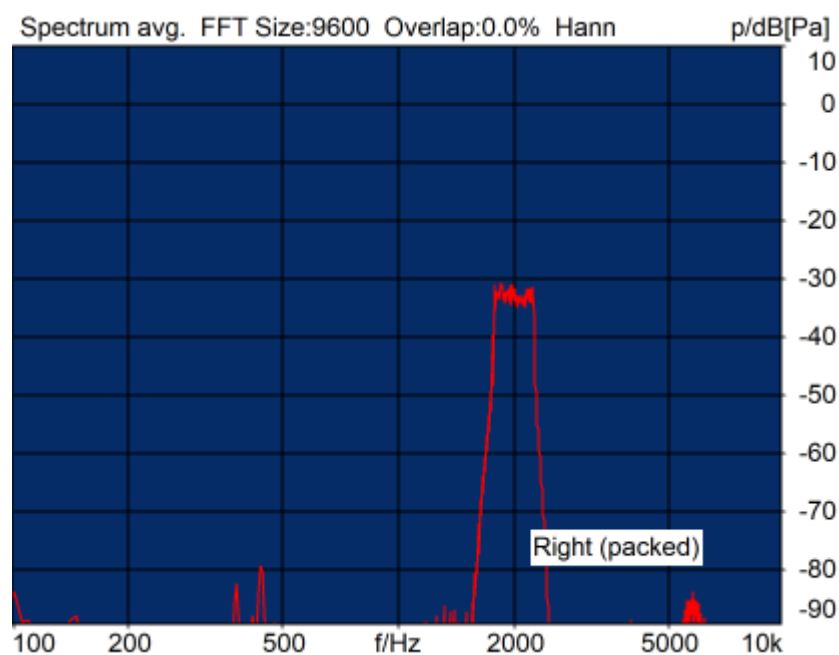
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 2000 Hz WB, Index: 1

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



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

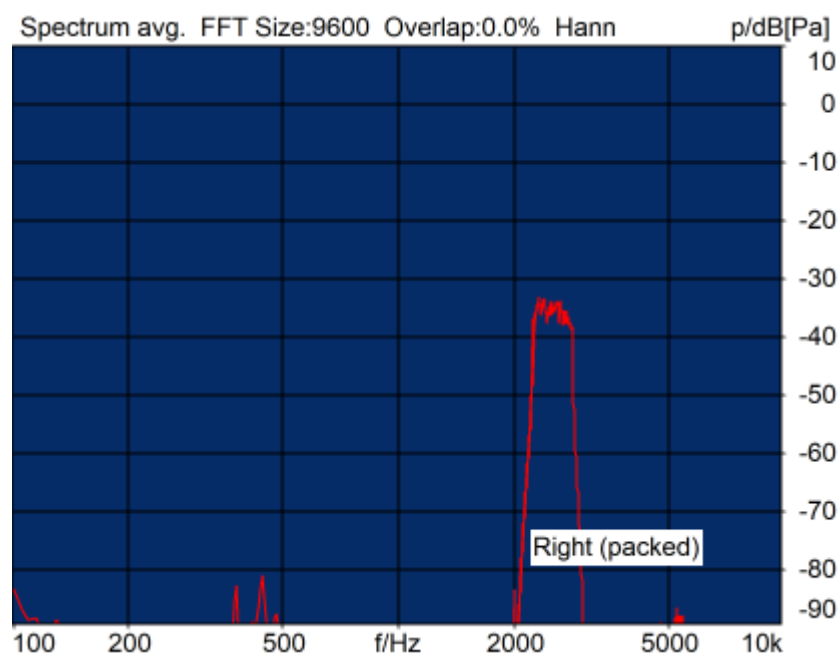
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 2500 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 29.27 dB (3.44%) Ok

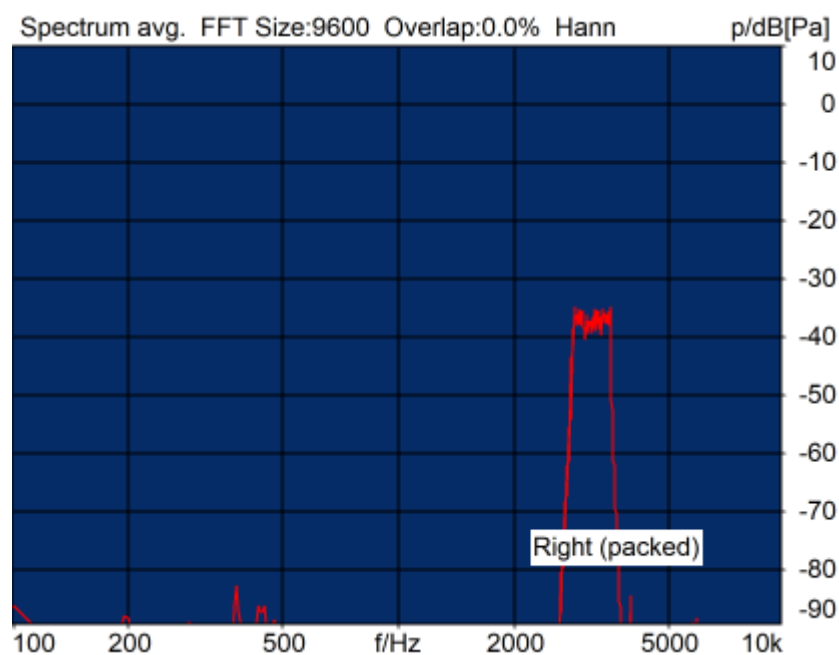
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 3150 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 30.03 dB (3.15%) Ok

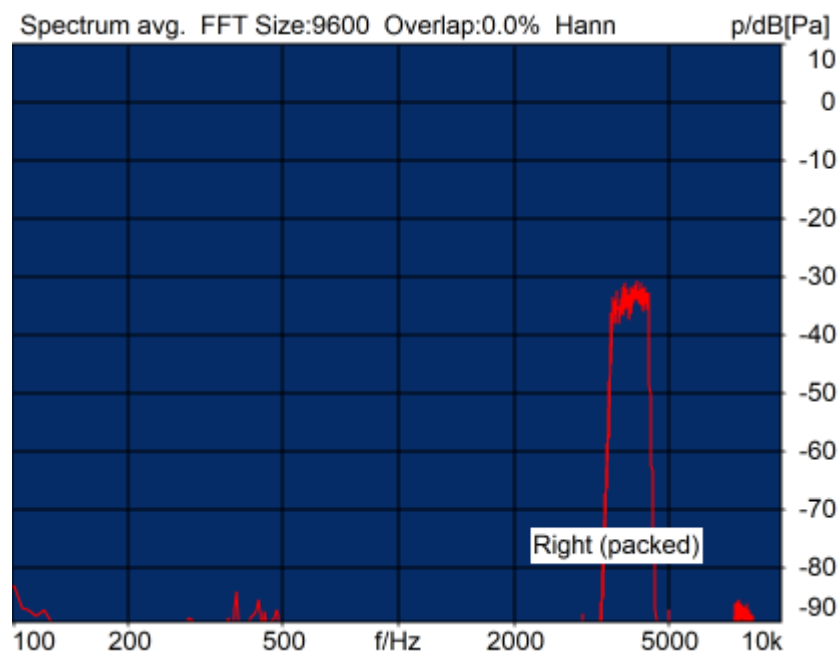
Ok

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Unmodified HEAD acoustics Measurement Descriptor

5.2 RCV Distortion and Noise - 4000 Hz WB, Index: 1

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



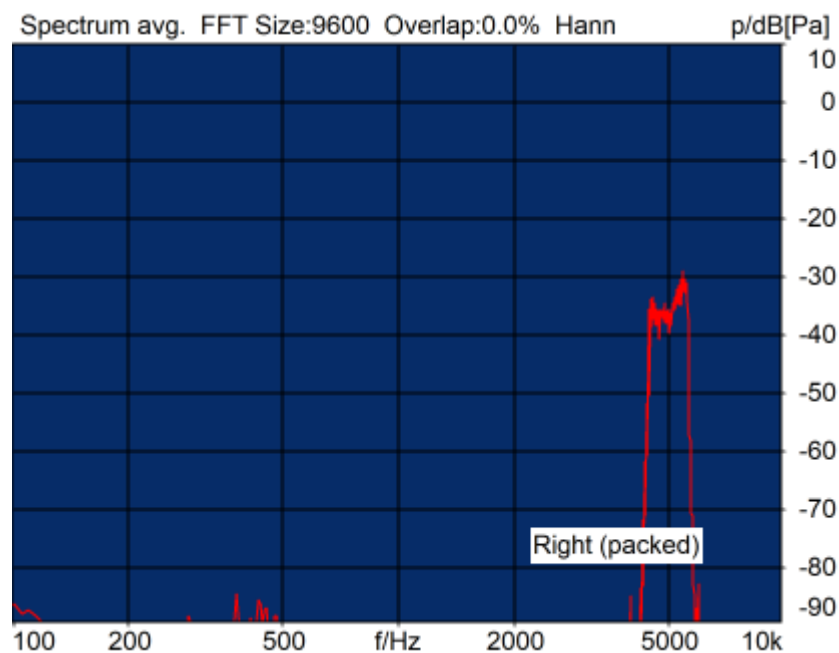
Distortion (Noise) Right (packed): 33.57 dB (2.10%) Ok

Ok

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5.2 RCV Distortion and Noise - 5000 Hz WB, Index: 1

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



Distortion (Noise) Right (packed): 31.40 dB (2.69%) Ok

Ok

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Unmodified HEAD acoustics Measurement Descriptor

Report - Receive Distortion and Noise (Conversational Gain), Index: **1**

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

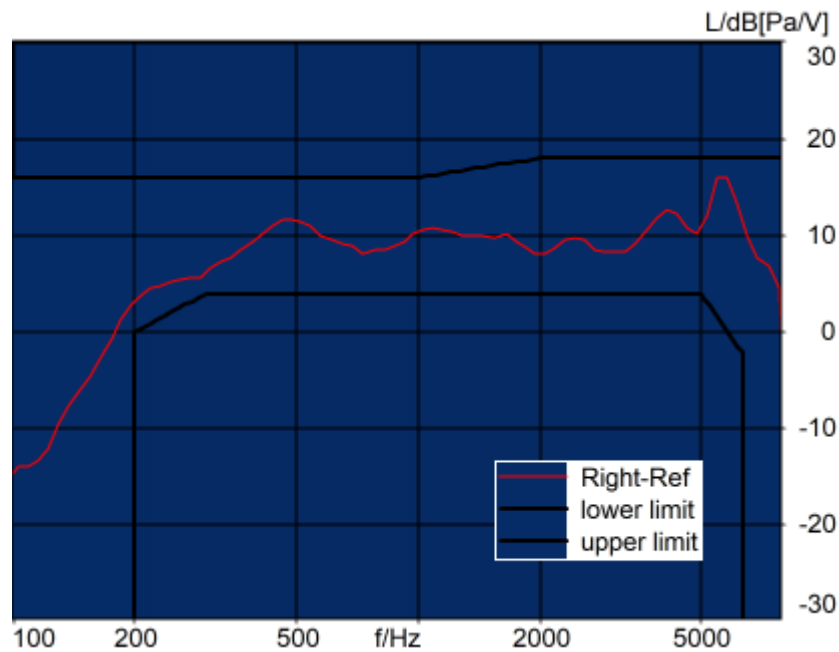
Region	Frequency	SDNR
1	250Hz	27.10 dB
2	315Hz	27.31 dB
3	400Hz	29.18 dB
4	500Hz	31.17 dB
5	630Hz	24.24 dB
6	800Hz	24.98 dB
7	1000Hz	25.92 dB
8	1600Hz	30.34 dB
9	2000Hz	27.19 dB
10	2500Hz	29.27 dB
11	3150Hz	30.03 dB
12	4000Hz	33.57 dB
13	5000Hz	31.40 dB
14	1250Hz	21.44 dB

All SDNRs were greater than 20.0 dB, requirement was met.
Smallest SDNR was 21.44dB at 1250Hz.

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5.3 Frequency Response 2N FF, Index: 1

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



Absolute minimal distance
2.01 dB at 5443.6 Hz Ok

Ok

5/30/2026 11:05 AM ACQUA 6.1.110
Unmodified HEAD acoustics Measurement Descriptor