
Measurement Protocol

Measurement Object	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
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Project	SUES2605001219AT SH6670
Report Generation Date	6/9/2026 9:54 AM
Responsible Person	HP

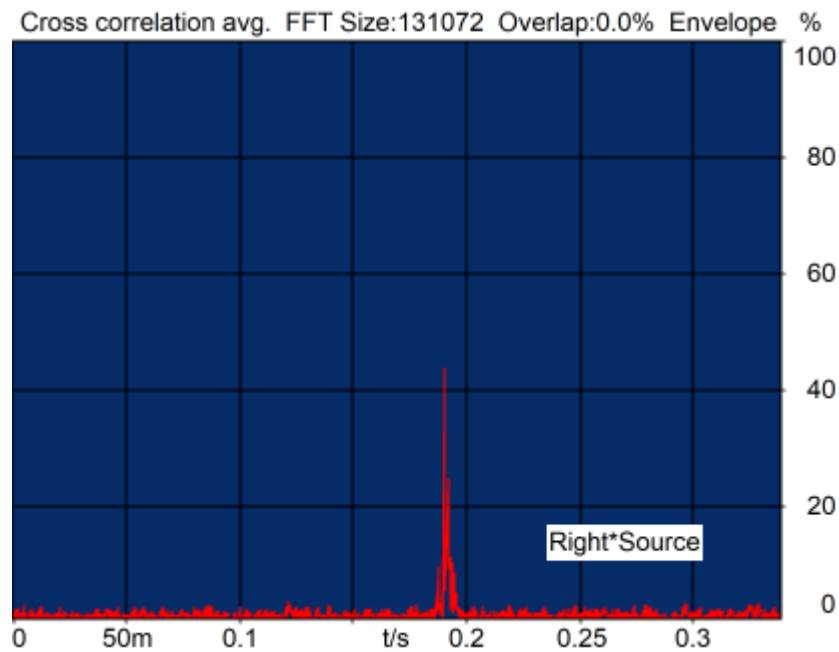
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	191.3	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.1a Receive Volume Control Performance 8N NB	Ok	Corrected Speech Level [dB[SPL]]	15.39	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 400 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.96	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.55	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 630 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.56	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 800 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.51	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 1000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.09	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 1250 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.77	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 1600 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.05	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 2000 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.32	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 2500 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.39	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.2 RCV Distortion and Noise - 3150 Hz NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.65	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
Report - Receive Distortion and Noise (Conversational Gain)	Ok	Minimum SDNR [dB], (occured at 1250Hz)	22.77	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 1647.8 Hz	0.89	WLAN-2.4G 802.11g EVS_NB 8N 24.4Kbps MAX-1

Overall Receive Delay NB, Index: 1	5
5.1a Receive Volume Control Performance 8N NB, Index: 1	6
5.2 RCV Distortion and Noise - 400 Hz NB, Index: 1	7
5.2 RCV Distortion and Noise - 500 Hz NB, Index: 1	8
5.2 RCV Distortion and Noise - 630 Hz NB, Index: 1	9
5.2 RCV Distortion and Noise - 800 Hz NB, Index: 1	10
5.2 RCV Distortion and Noise - 1000 Hz NB, Index: 1	11
5.2 RCV Distortion and Noise - 1250 Hz NB, Index: 1	12
5.2 RCV Distortion and Noise - 1600 Hz NB, Index: 1	13
5.2 RCV Distortion and Noise - 2000 Hz NB, Index: 1	14
5.2 RCV Distortion and Noise - 2500 Hz NB, Index: 1	15
5.2 RCV Distortion and Noise - 3150 Hz NB, Index: 1	16
Report - Receive Distortion and Noise (Conversational Gain), Index: 1	17
5.3 Frequency Response 8N FF, Index: 1	18

Overall Receive Delay NB, Index: 1

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



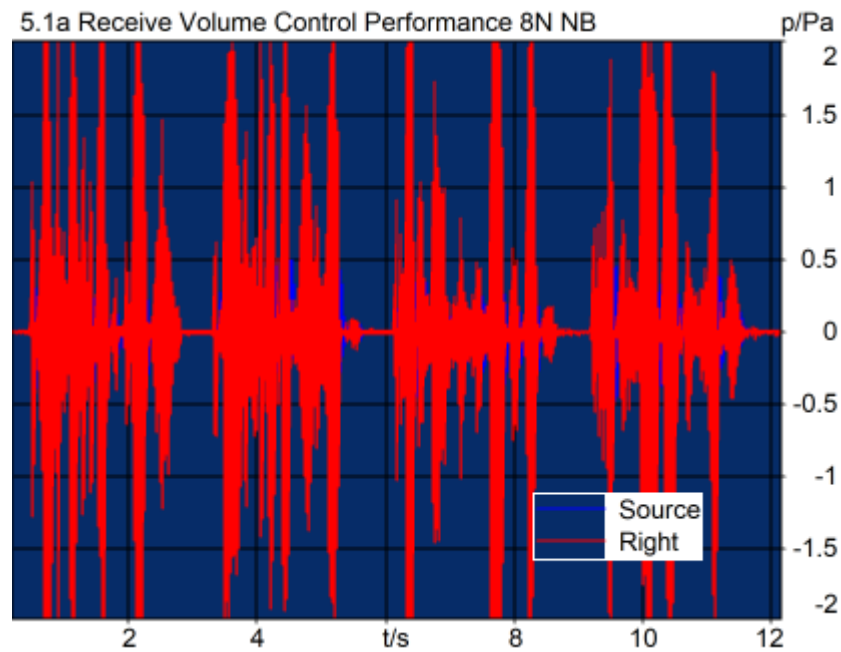
Channel	Delay	Correlation
Right*Source	191.3 ms	43.68 %

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Unmodified HEAD acoustics Measurement Descriptor

5.1a Receive Volume Control Performance 8N NB, Index: 1

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



Correction

X-70

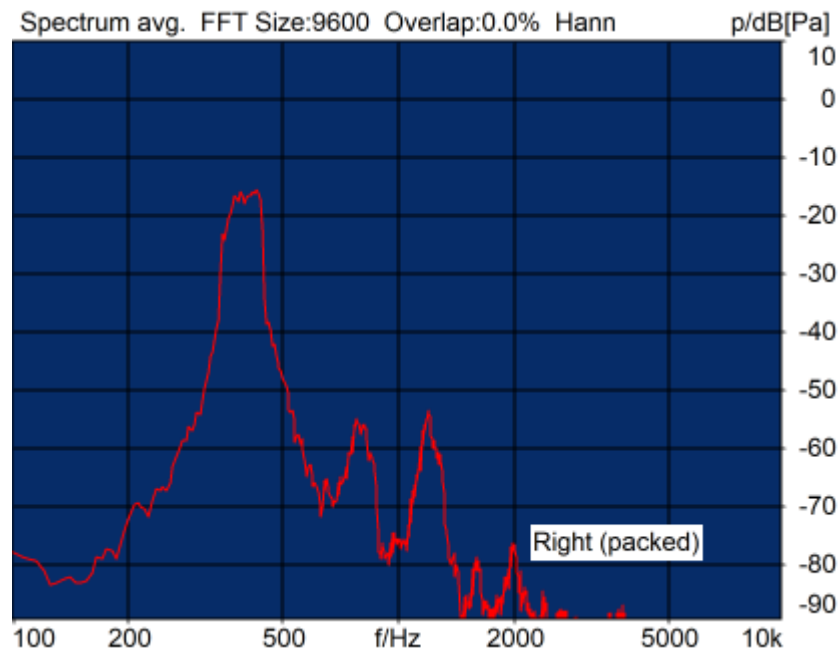
Channel	Speech level	Activity	Corrected speech level	
Right	85.39 dB[SPL]	77.66%	15.39 dB[SPL]	Ok

Ok

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

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



Distortion (Noise) Right (packed): 32.96 dB (2.25%) Ok

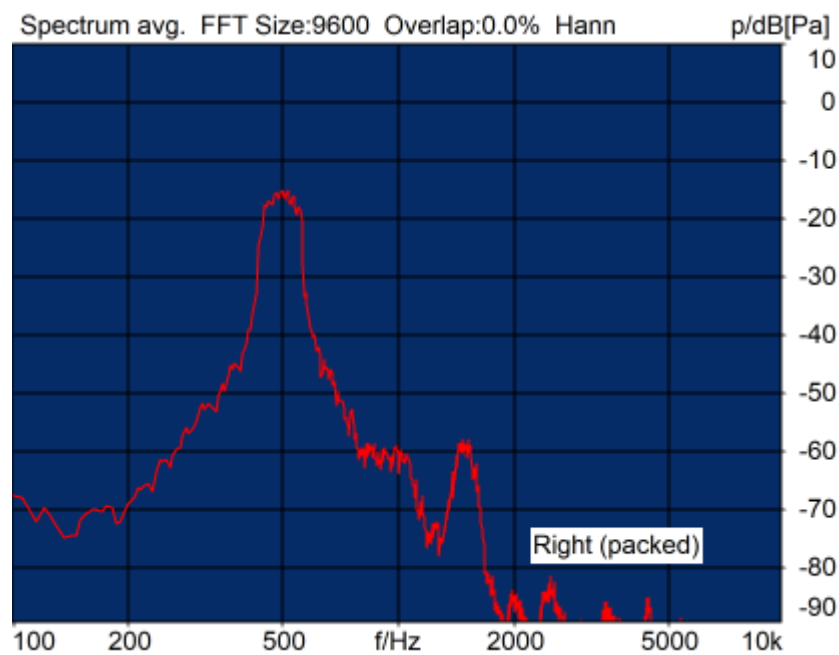
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 28.55 dB (3.74%) Ok

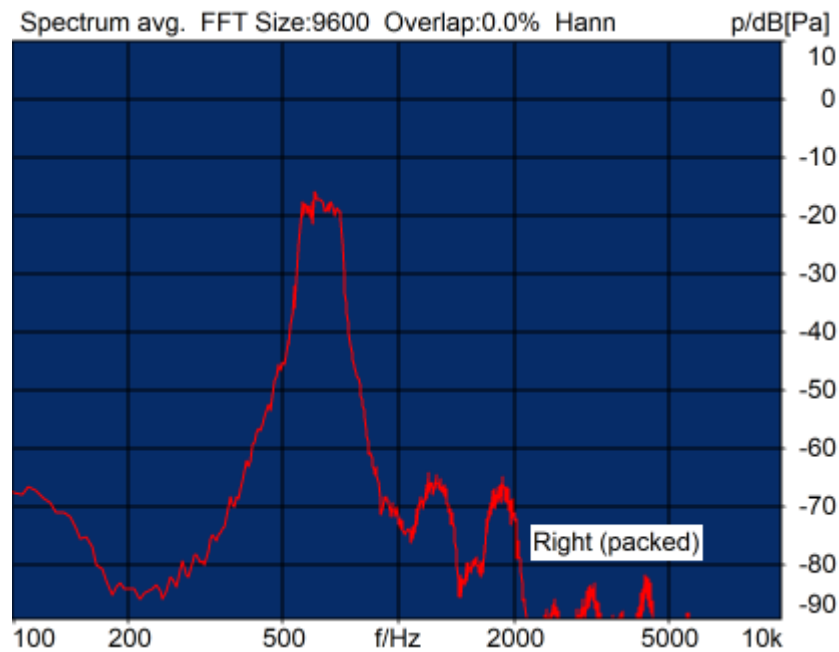
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 30.56 dB (2.96%) Ok

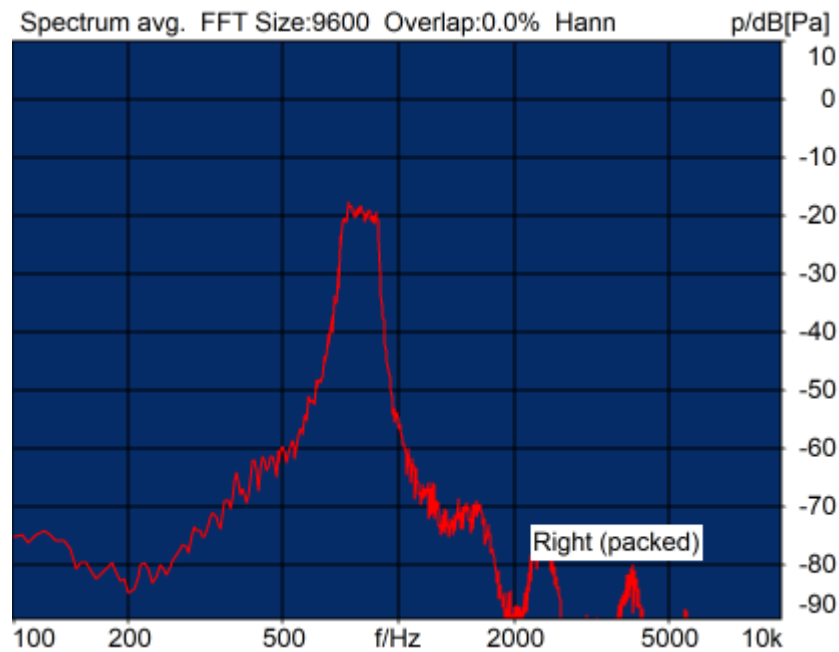
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 28.51 dB (3.75%) Ok

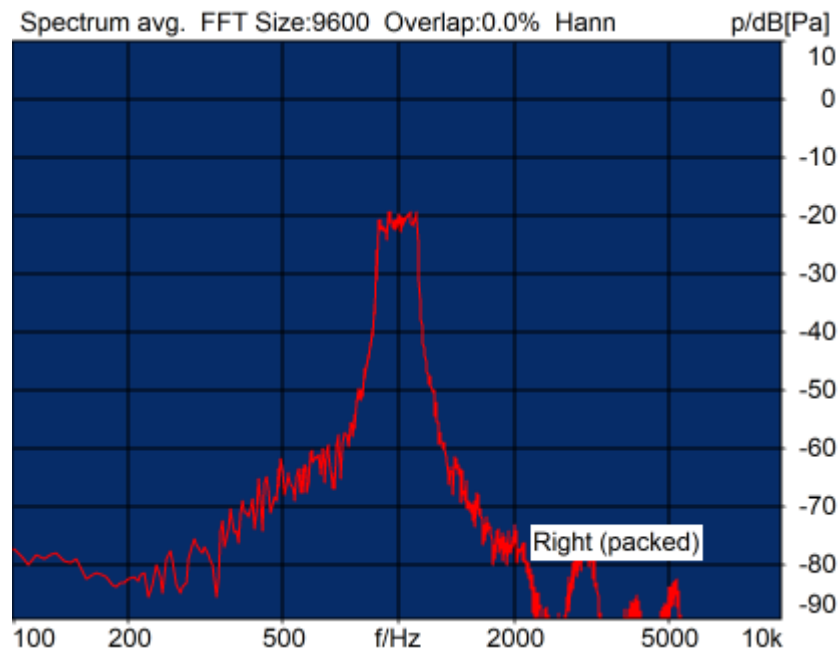
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 27.09 dB (4.42%) Ok

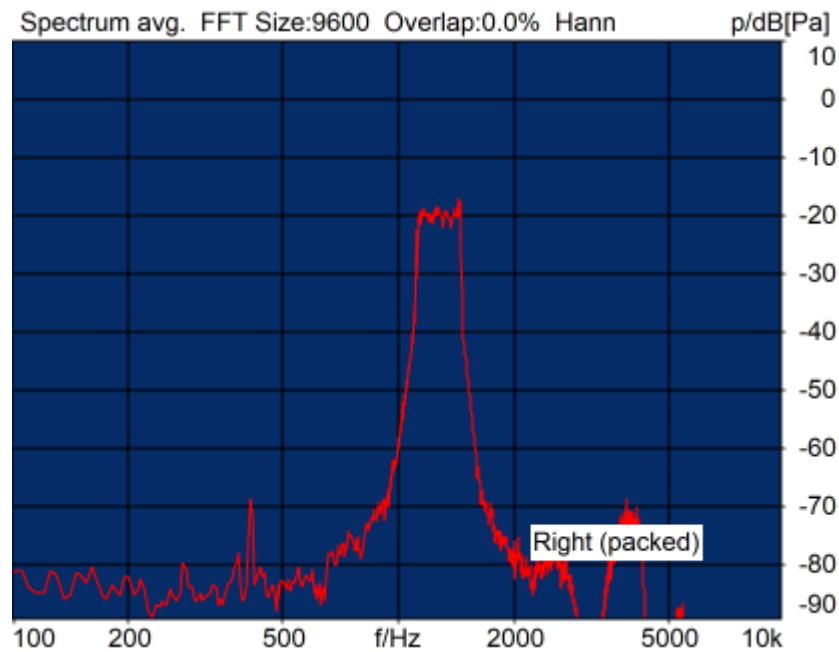
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 22.77 dB (7.27%) Ok

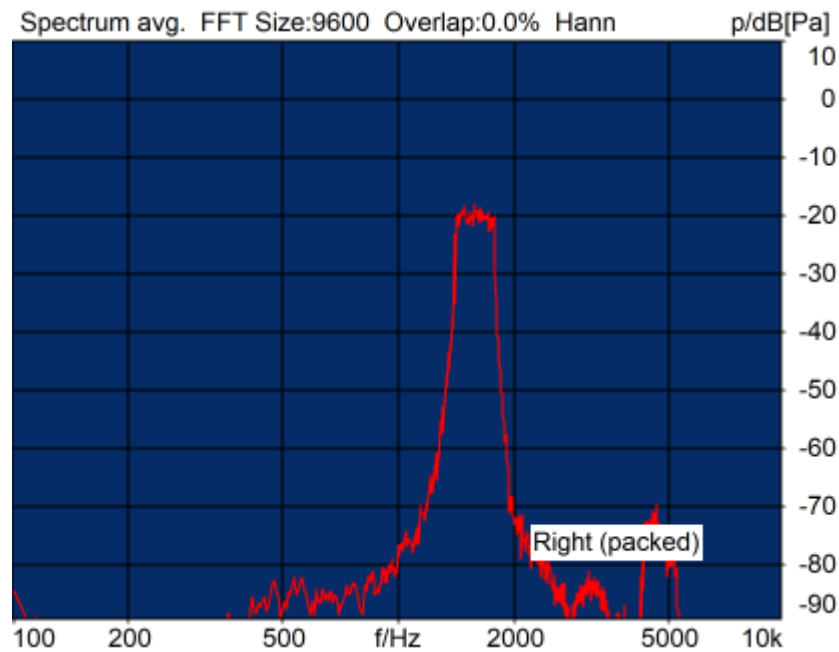
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 31.05 dB (2.80%) Ok

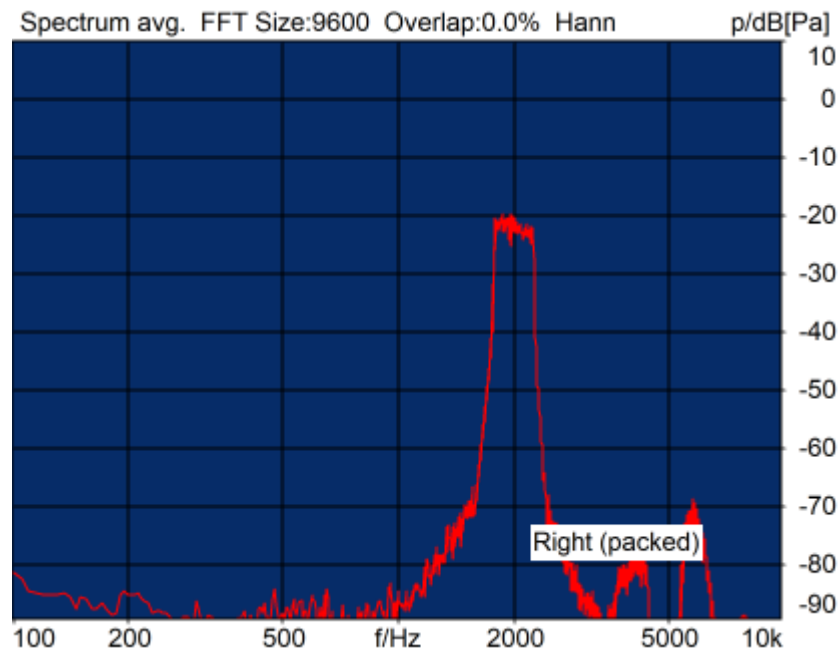
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 30.32 dB (3.05%) Ok

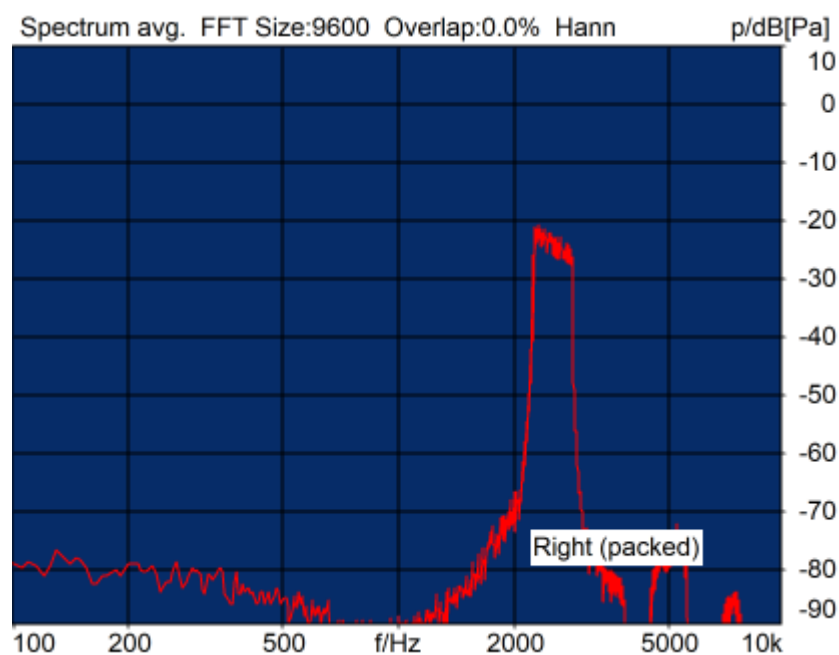
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 34.39 dB (1.91%) Ok

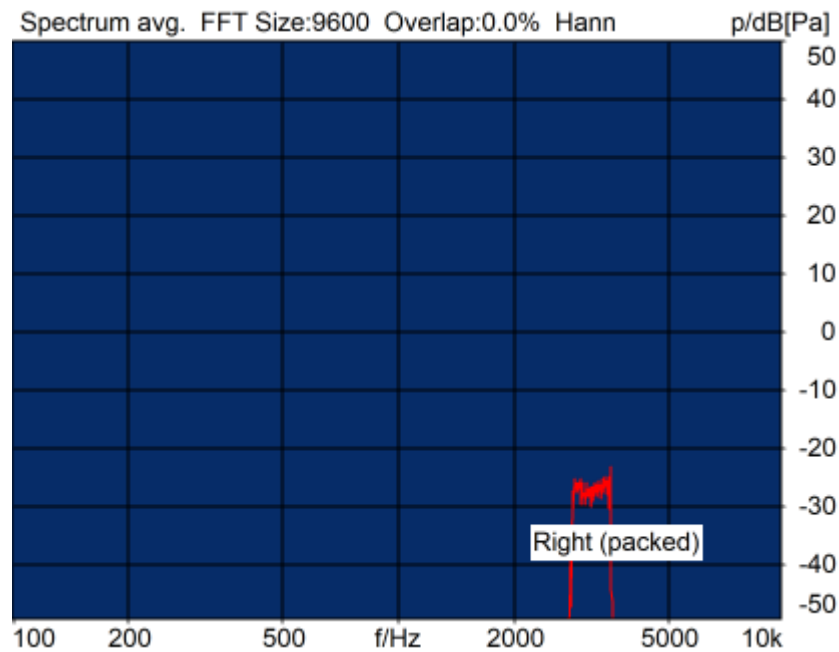
Ok

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Unmodified HEAD acoustics Measurement Descriptor

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

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



Distortion (Noise) Right (packed): 32.65 dB (2.33%) Ok

Ok

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

1

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

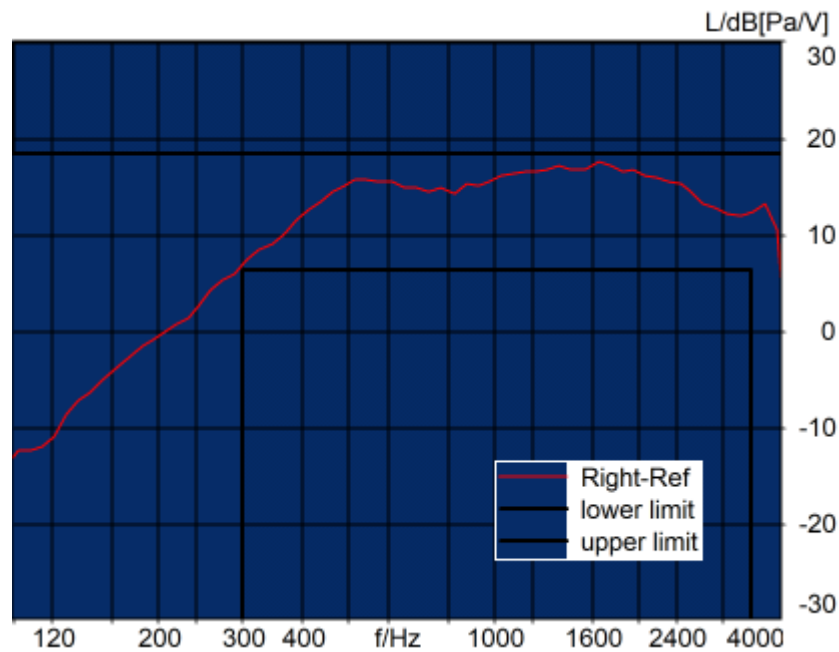
Region	Frequency	SDNR
1	400Hz	32.96 dB
2	500Hz	28.55 dB
3	630Hz	30.56 dB
4	800Hz	28.51 dB
5	1000Hz	27.09 dB
6	1600Hz	31.05 dB
7	2000Hz	30.32 dB
8	2500Hz	34.39 dB
9	3150Hz	32.65 dB
10	1250Hz	22.77 dB

All SDNRs were greater than 20.0 dB, requirement was met.
Smallest SDNR was 22.77dB at 1250Hz.

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5.3 Frequency Response 8N FF, Index: 1

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



Absolute minimal distance

0.89 dB at 1647.8 Hz Ok

Ok

6/3/2026 1:30 PM ACQUA 6.1.110