

Measurement Protocol

Measurement Object	LTE 41 20M QPSK EVS-NB 24.4 kbps
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Project	610603-18_Moto_Sydney_SKU11 NA B2B (PVT)
Report Generation Date	2026-07-08 ☐ ☐ 12:18
Responsible Person	ac01-hy

Status Overview

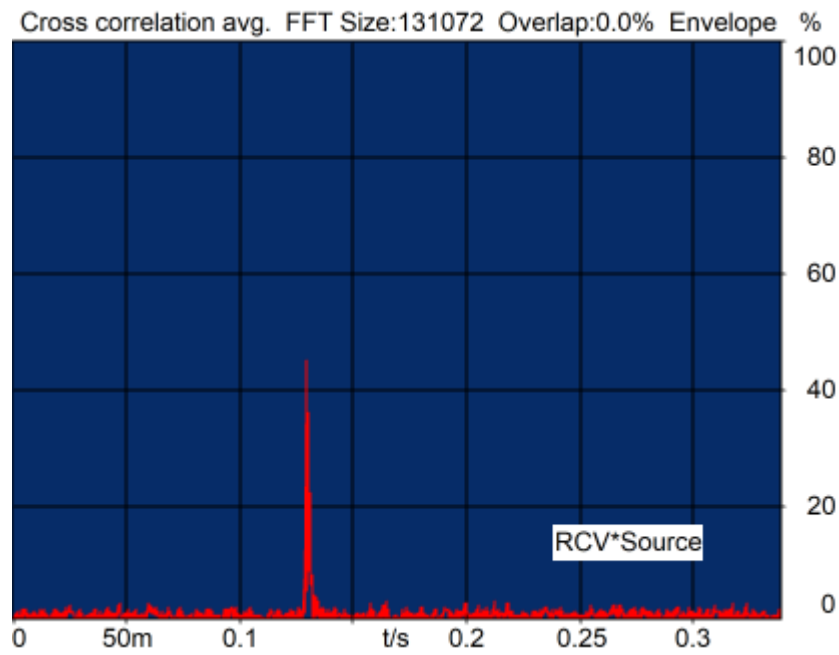
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	130.0	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	86.04	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	34.10	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.54	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.01	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.56	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.36	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.26	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.46	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.31	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	40.50	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	43.71	LTE 41 20M QPSK EVS-NB 24.4 kbps
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	25.31	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 1216.1 Hz	2.84	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	80.73	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	33.85	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.25	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.96	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	32.47	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.45	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.35	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.28	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.39	LTE 41 20M QPSK EVS-NB 24.4 kbps

5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	40.28	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	44.29	LTE 41 20M QPSK EVS-NB 24.4 kbps
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	24.39	LTE 41 20M QPSK EVS-NB 24.4 kbps
5.3 Frequency Response 2N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 2571.8 Hz	2.47	LTE 41 20M QPSK EVS-NB 24.4 kbps

Overall Receive Delay NB	6
5.1a Receive Volume Control Performance 8N NB	7
5.2 RCV Distortion and Noise - 400 Hz 8N NB	8
5.2 RCV Distortion and Noise - 500 Hz 8N NB	9
5.2 RCV Distortion and Noise - 630 Hz 8N NB	10
5.2 RCV Distortion and Noise - 800 Hz 8N NB	11
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	12
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	13
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	14
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	15
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	16
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	17
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	18
5.3 Frequency Response 8N FF HANB	19
5.1b Receive Volume Control Performance 2N NB	20
5.2 RCV Distortion and Noise - 400 Hz 2N NB	21
5.2 RCV Distortion and Noise - 500 Hz 2N NB	22
5.2 RCV Distortion and Noise - 630 Hz 2N NB	23
5.2 RCV Distortion and Noise - 800 Hz 2N NB	24
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	25
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	26
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	27
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	28
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	29
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	30
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	31
5.3 Frequency Response 2N FF HANB	32

Overall Receive Delay NB

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

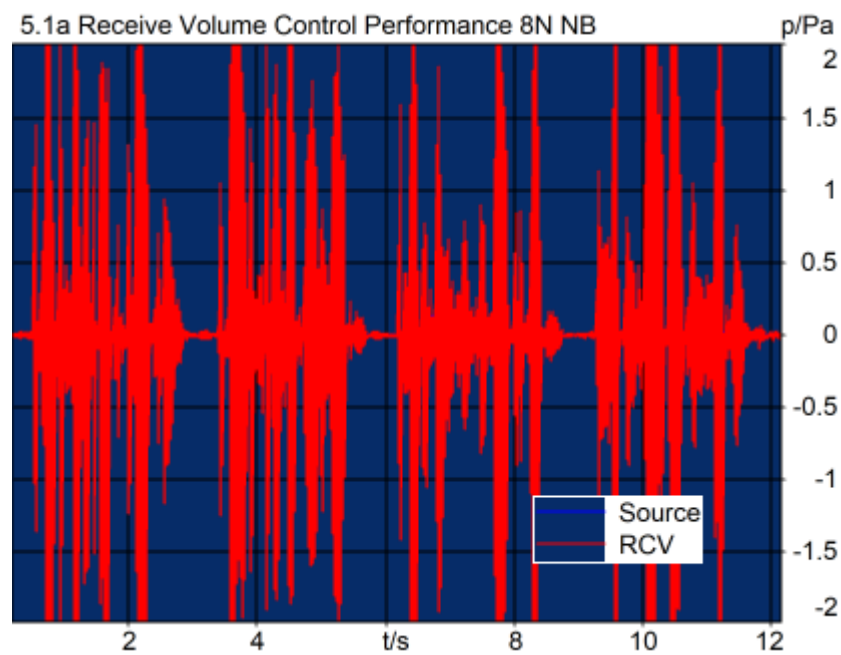


Channel	Delay	Correlation
RCV*Source	130.0 ms	45.32 %

2026-07-08 12:03 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	86.04 dB[SPL]	80.46%	Ok

Ok

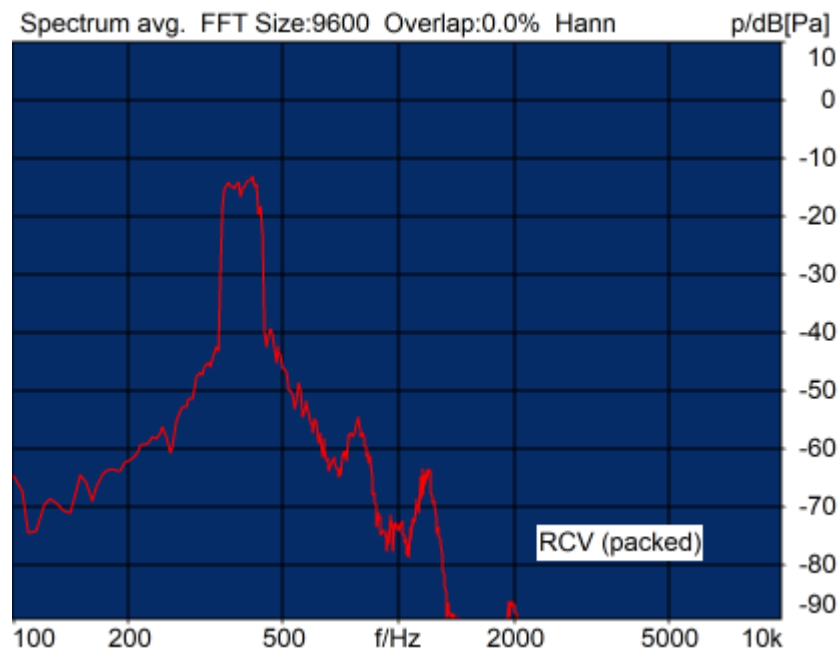
2026-07-08 12:11 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.2 RCV Distortion and Noise - 400 Hz 8N NB

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



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

Ok

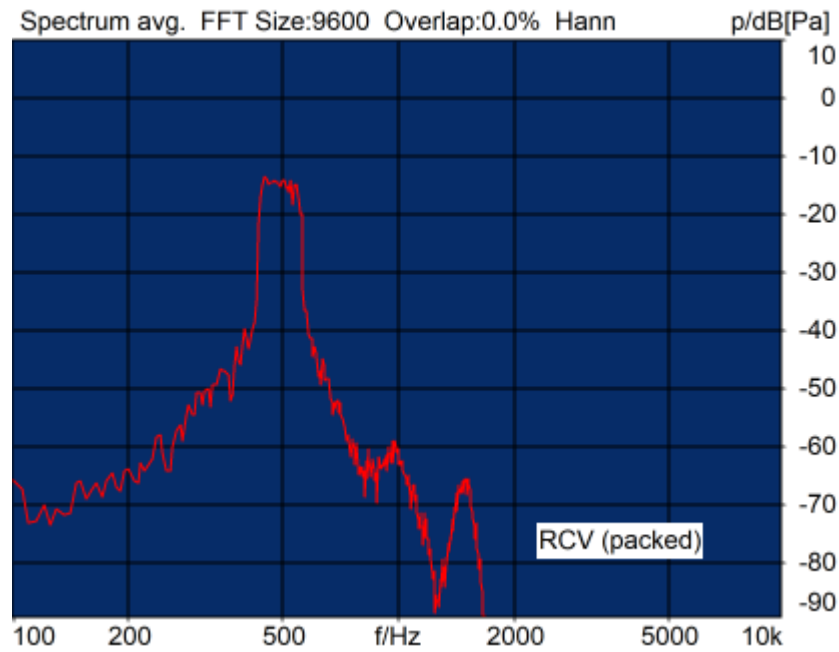
2026-07-08 12:11 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 500 Hz 8N NB

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



Distortion (Noise) RCV (packed): 32.54 dB (2.36%) Ok

Ok

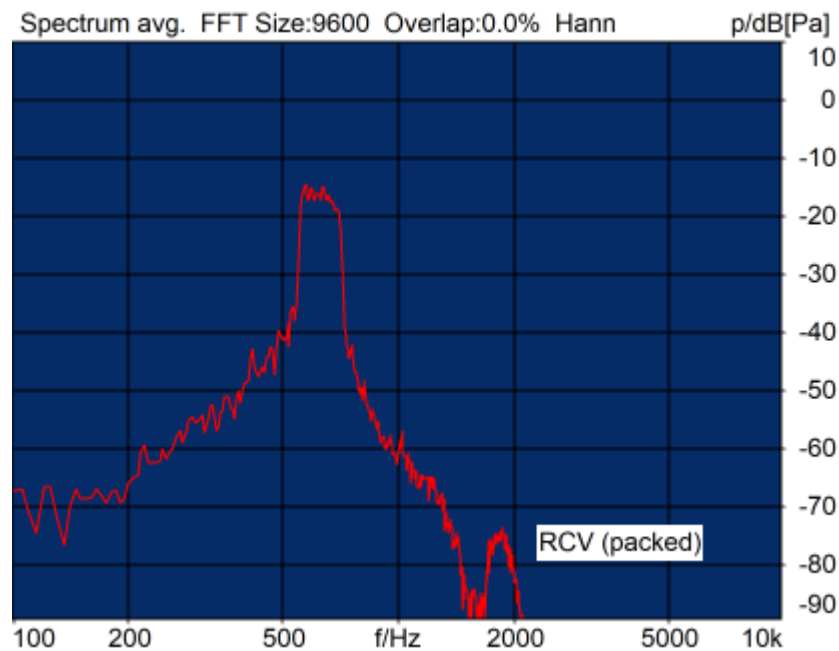
2026-07-08 12:12 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 630 Hz 8N NB

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



Distortion (Noise) RCV (packed): 29.01 dB (3.54%) Ok

Ok

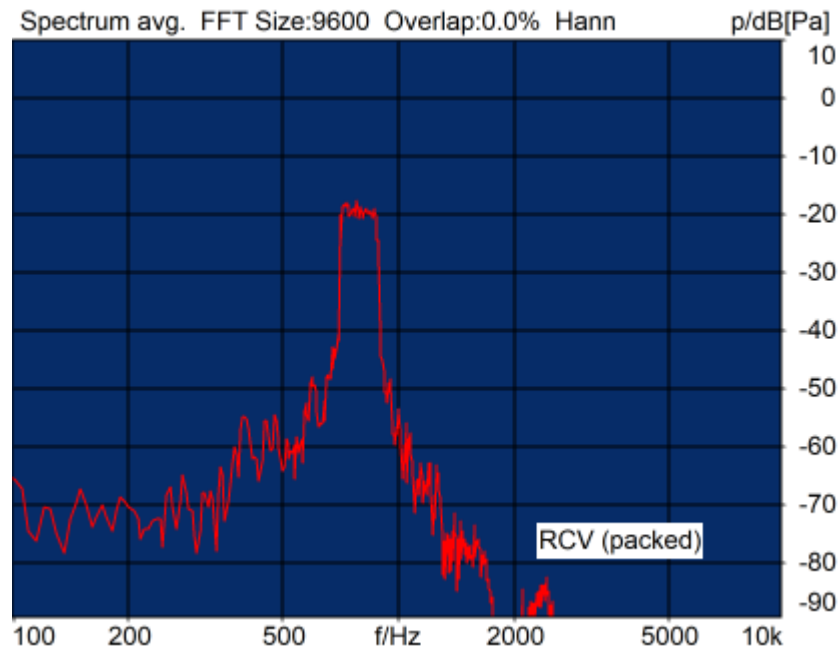
2026-07-08 12:12 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 8N NB

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



Distortion (Noise) RCV (packed): 32.56 dB (2.36%) Ok

Ok

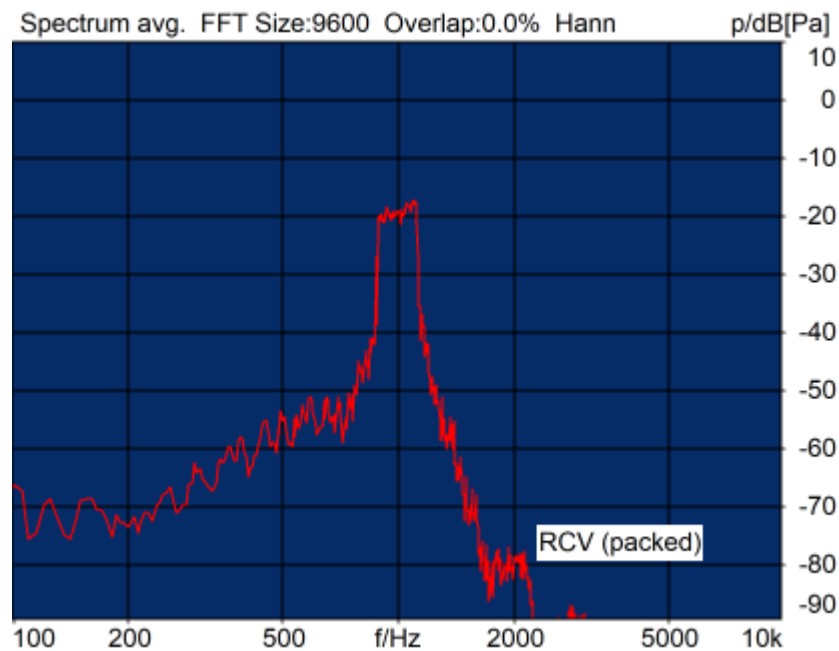
2026-07-08 12:13 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 8N NB

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



Distortion (Noise) RCV (packed): 26.36 dB (4.81%) Ok

Ok

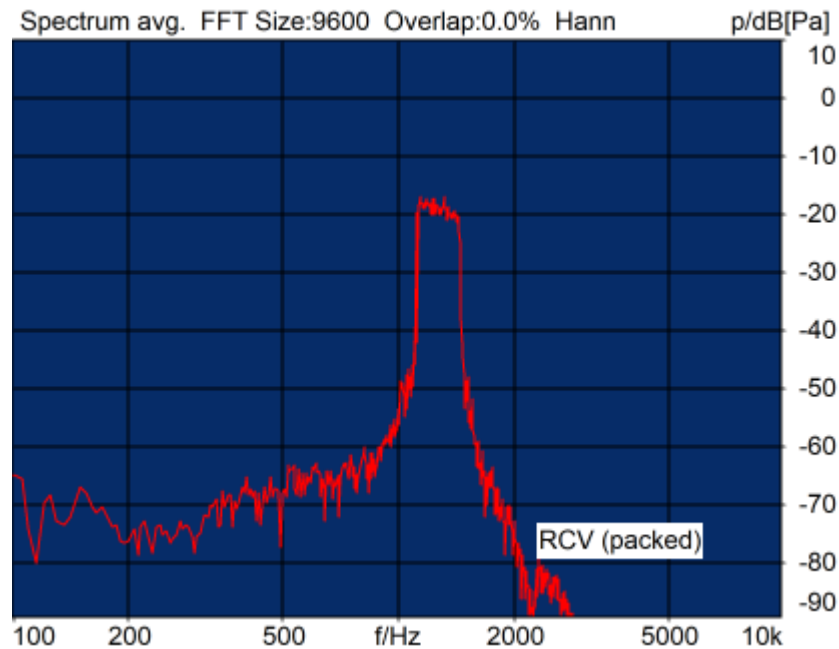
2026-07-08 12:13 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 8N NB

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



Distortion (Noise) RCV (packed): 30.26 dB (3.07%) Ok

Ok

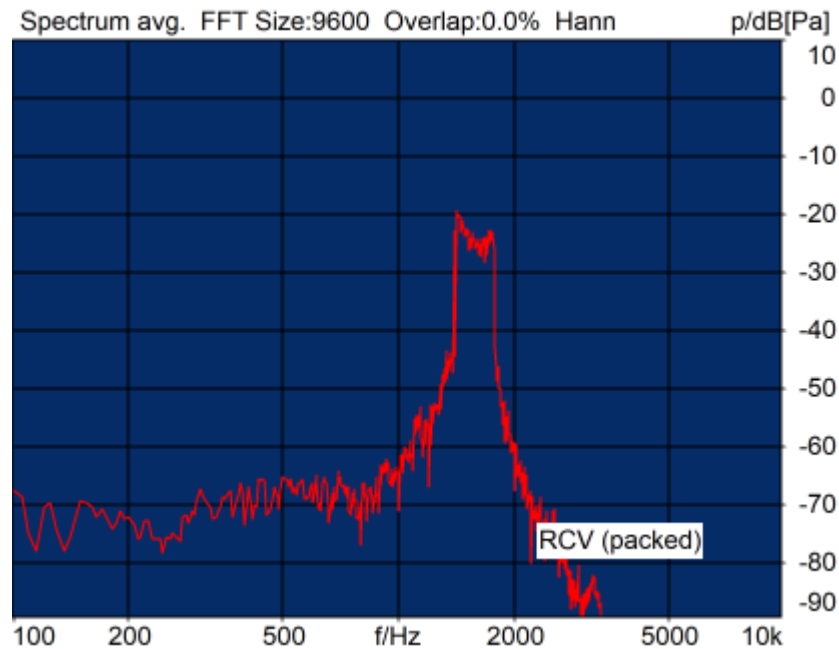
2026-07-08 12:14 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1600 Hz 8N NB

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



Distortion (Noise) RCV (packed): 26.46 dB (4.75%) Ok

Ok

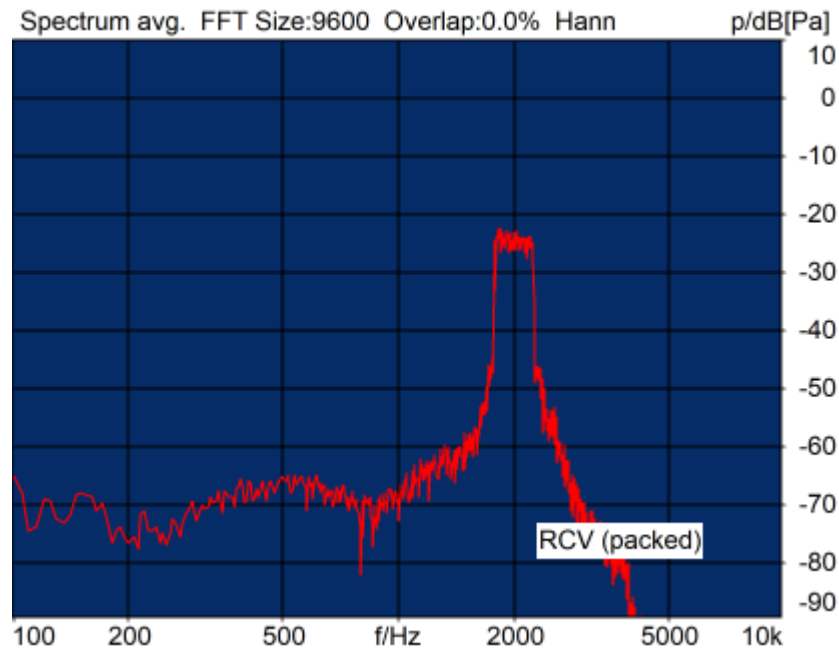
2026-07-08 12:14 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 8N NB

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



Distortion (Noise) RCV (packed): 25.31 dB (5.42%) Ok

Ok

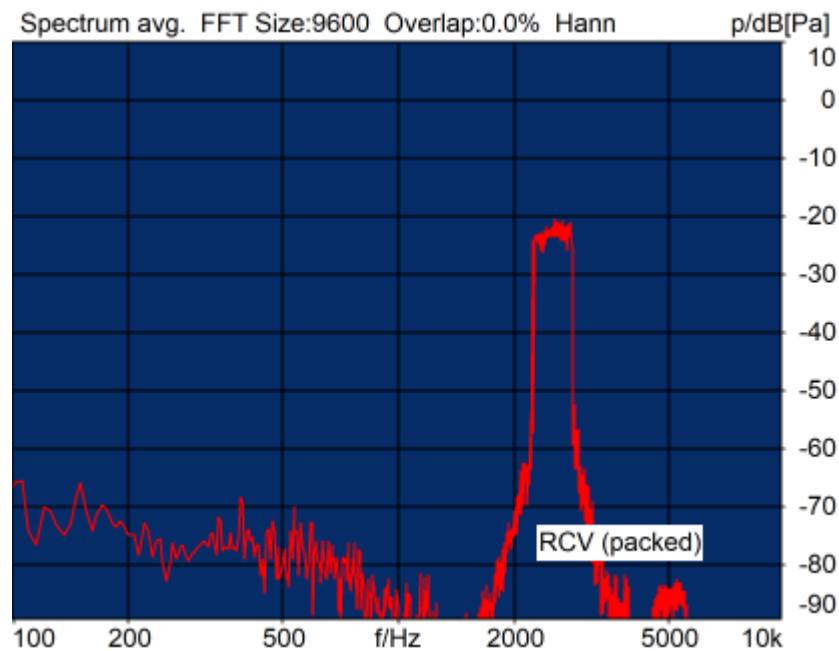
2026-07-08 12:15 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 8N NB

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



Distortion (Noise) RCV (packed): 40.50 dB (0.94%) Ok

Ok

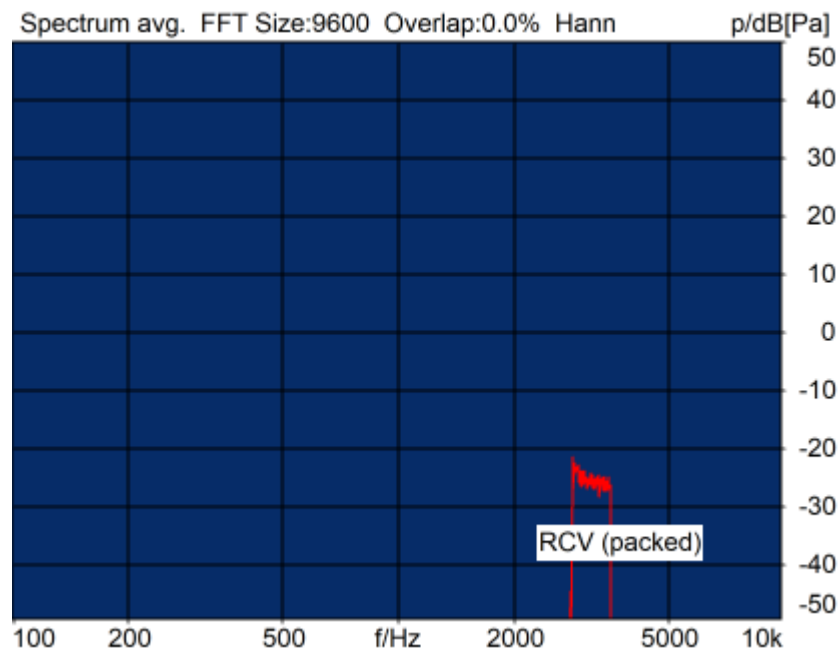
2026-07-08 12:15 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 3150 Hz 8N NB

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



Distortion (Noise) RCV (packed): 43.71 dB (0.65%) Ok

Ok

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Limits

lower
20.00 dB

Report - Receive Distortion and Noise (Conversational Gain) 8N NB

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

Region	Frequency	SDNR
1	400Hz	34.10 dB
2	500Hz	32.54 dB
3	630Hz	29.01 dB
4	800Hz	32.56 dB
5	1000Hz	26.36 dB
6	1250Hz	30.26 dB
7	1600Hz	26.46 dB
8	2000Hz	25.31 dB
9	2500Hz	40.50 dB
10	3150Hz	43.71 dB

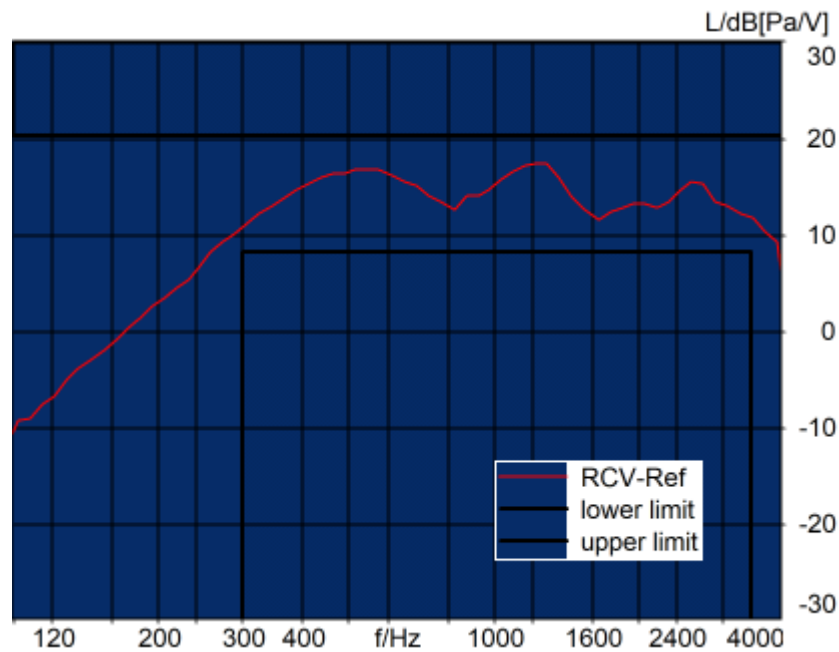
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 25.31dB at 2000Hz.

2026-07-08 □ □ 12:16 ACQUA

5.3 Frequency Response 8N FF HANB

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



Absolute minimal distance

2.84 dB at 1216.1 Hz Ok

Ok

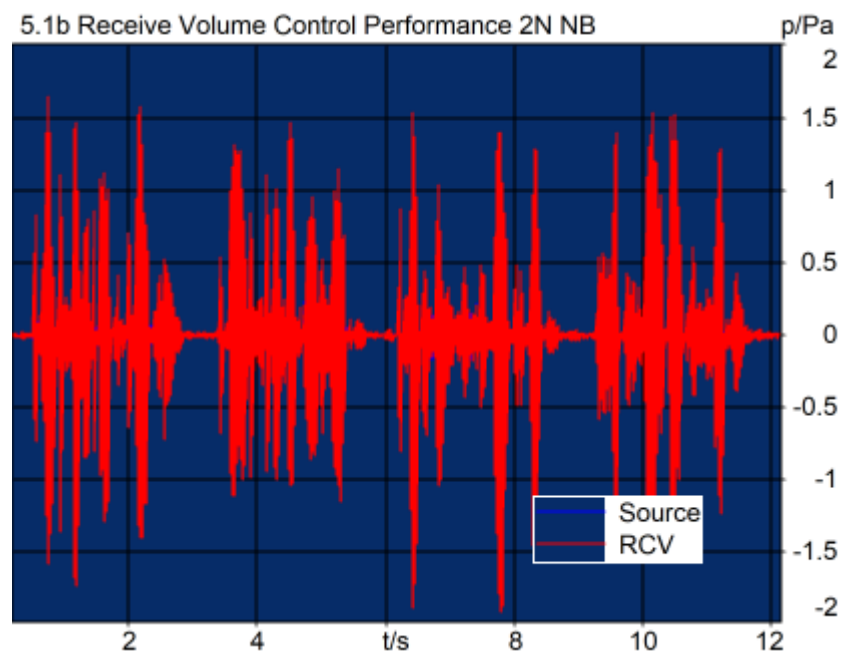
2026-07-08 12:16 ACQUA 6.2.210

Limits

lower
Fit into tolerance

5.1b Receive Volume Control Performance 2N NB

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



Channel	Speech level	Activity	
RCV	80.73 dB[SPL]	80.24%	Ok

Ok

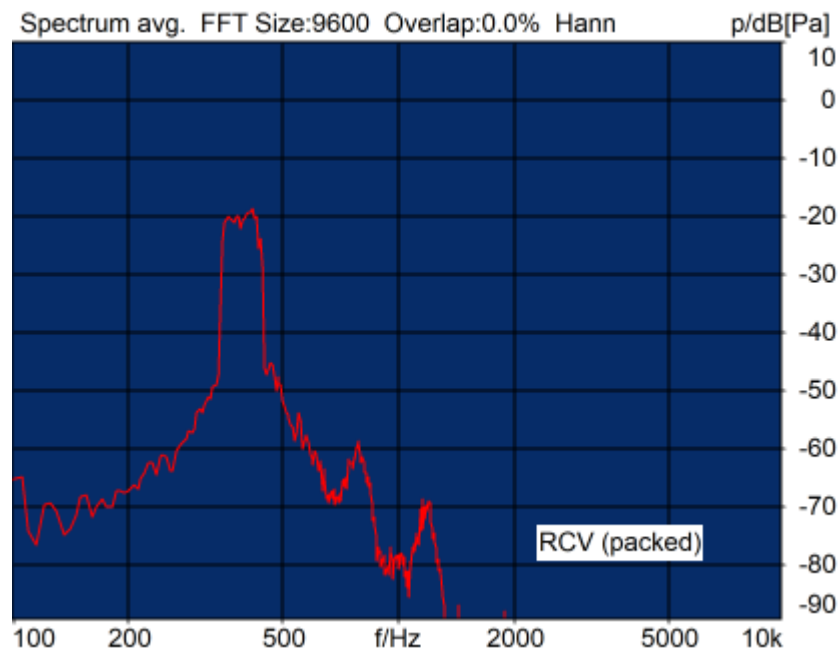
2026-07-08 12:03 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.2 RCV Distortion and Noise - 400 Hz 2N NB

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



Distortion (Noise) RCV (packed): 33.85 dB (2.03%) Ok

Ok

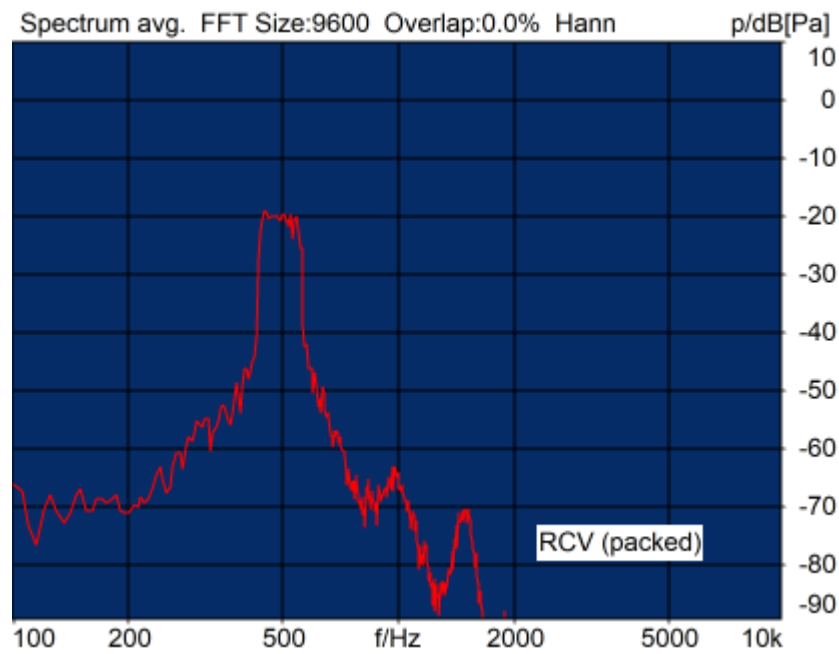
2026-07-08 12:04 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 500 Hz 2N NB

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



Distortion (Noise) RCV (packed): 32.25 dB (2.44%) Ok

Ok

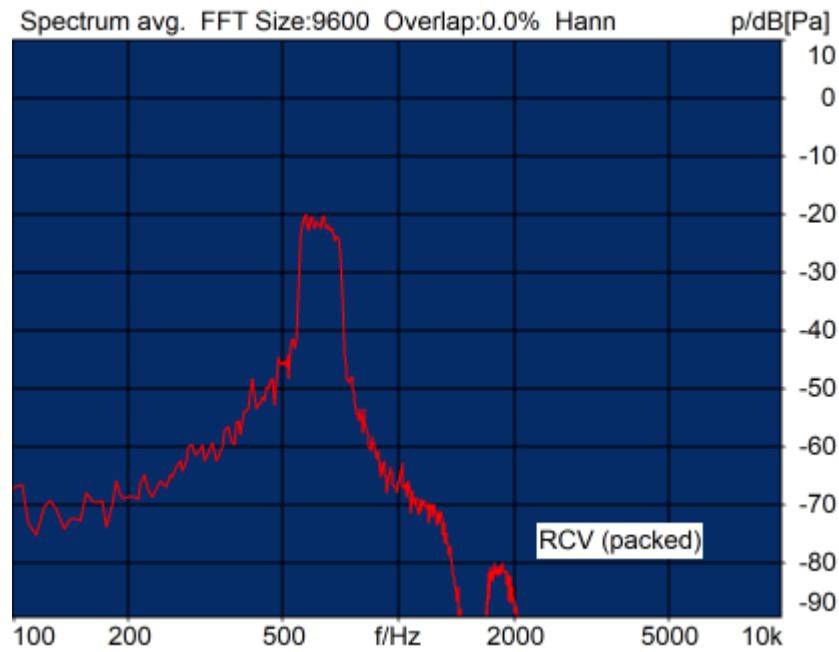
2026-07-08 12:04 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 630 Hz 2N NB

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



Distortion (Noise) RCV (packed): 28.96 dB (3.57%) Ok

Ok

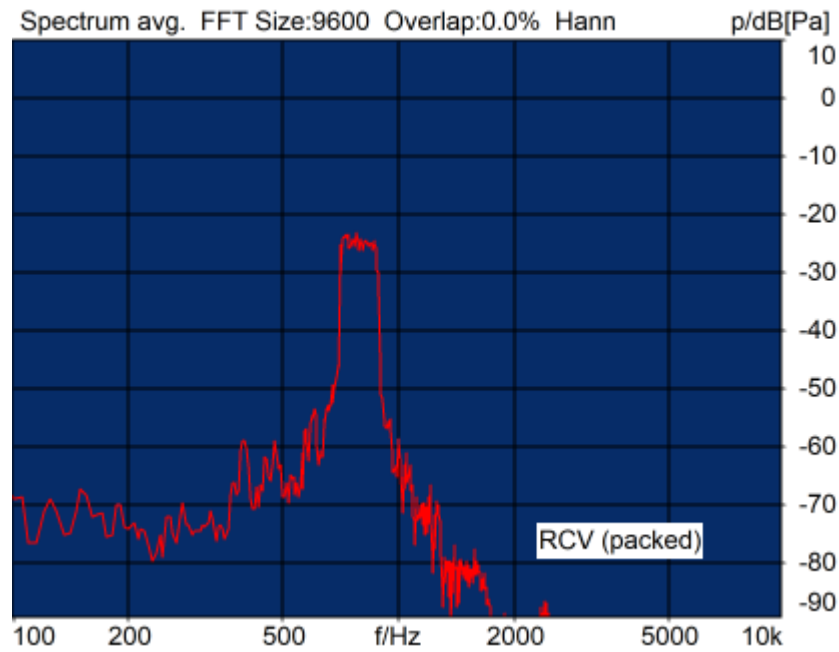
2026-07-08 12:05 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 2N NB

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



Distortion (Noise) RCV (packed): 32.47 dB (2.38%) Ok

Ok

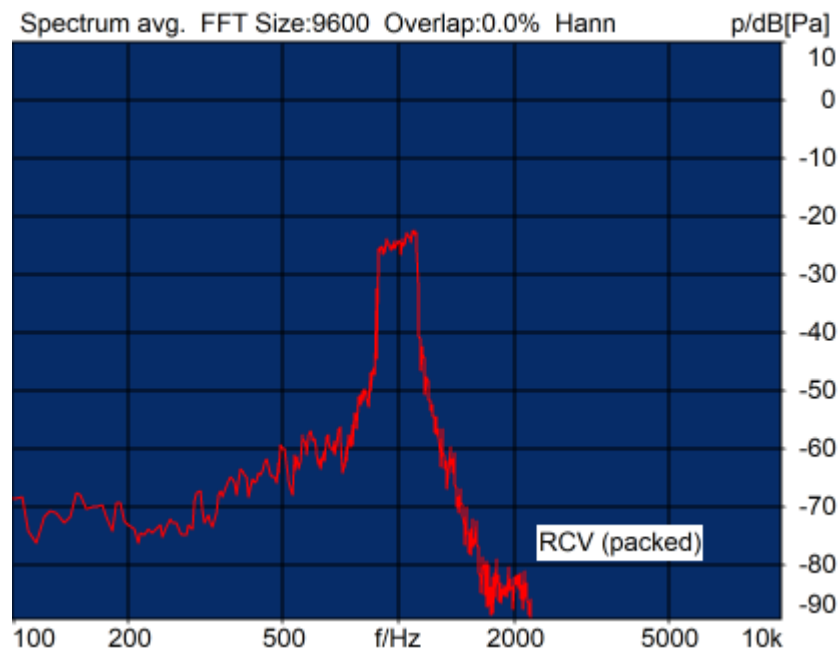
2026-07-08 12:05 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 2N NB

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



Distortion (Noise) RCV (packed): 26.45 dB (4.76%) Ok

Ok

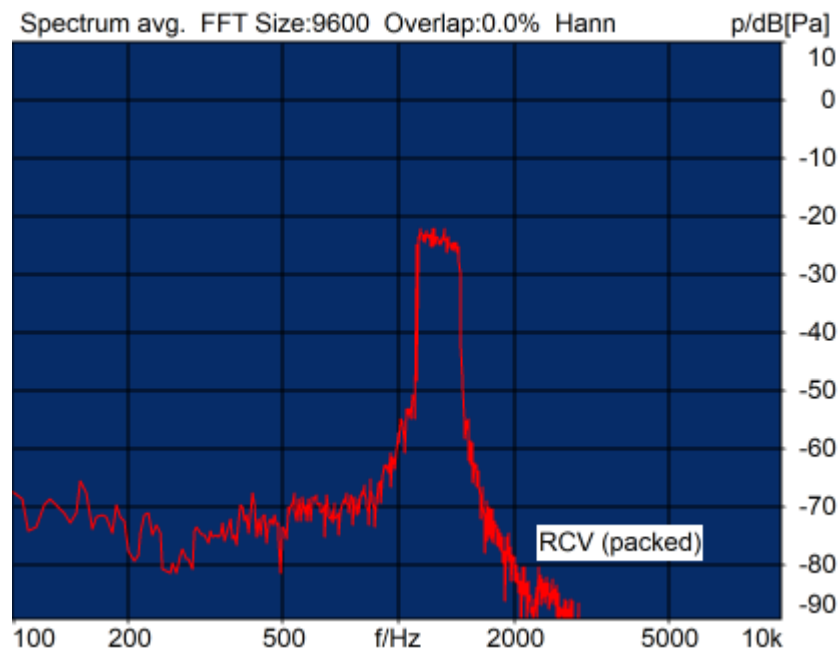
2026-07-08 12:06 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 2N NB

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



Distortion (Noise) RCV (packed): 30.35 dB (3.04%) Ok

Ok

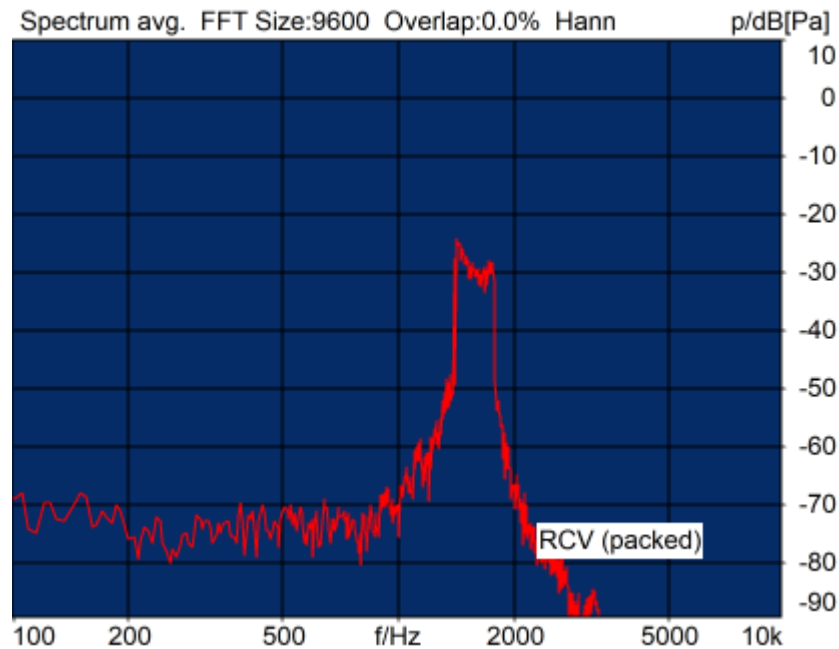
2026-07-08 12:06 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1600 Hz 2N NB

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



Distortion (Noise) RCV (packed): 26.28 dB (4.85%) Ok

Ok

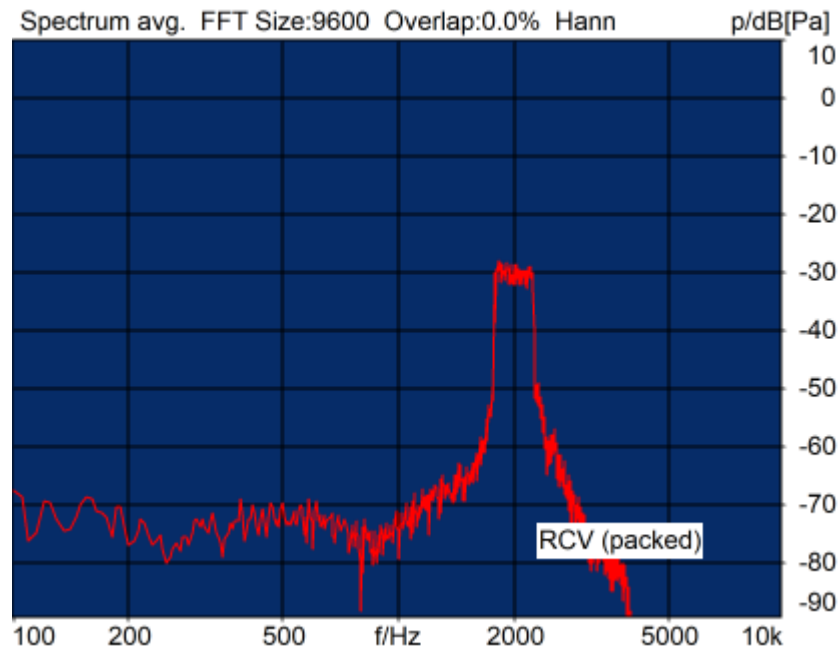
2026-07-08 12:07 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 2N NB

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



Distortion (Noise) RCV (packed): 24.39 dB (6.03%) Ok

Ok

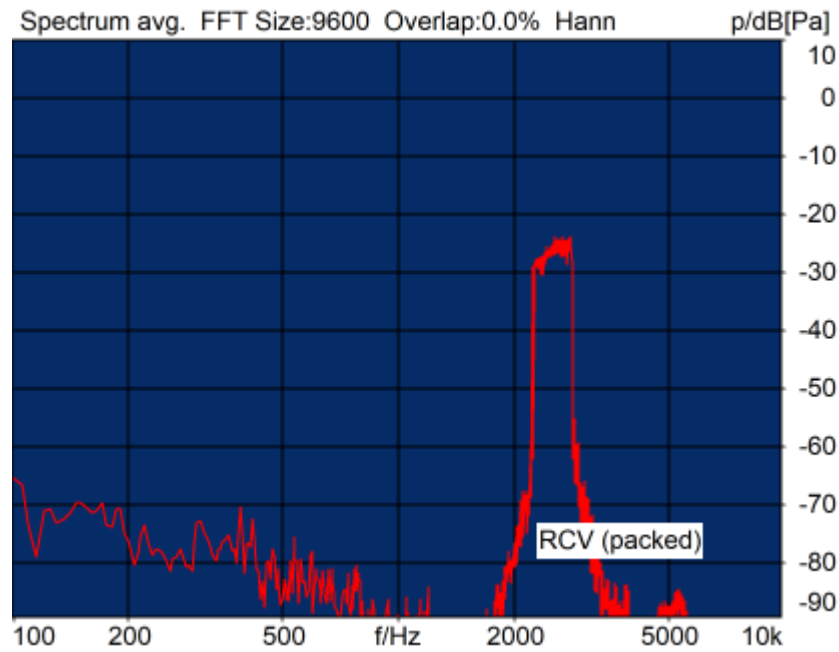
2026-07-08 12:07 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 2N NB

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



Distortion (Noise) RCV (packed): 40.28 dB (0.97%) Ok

Ok

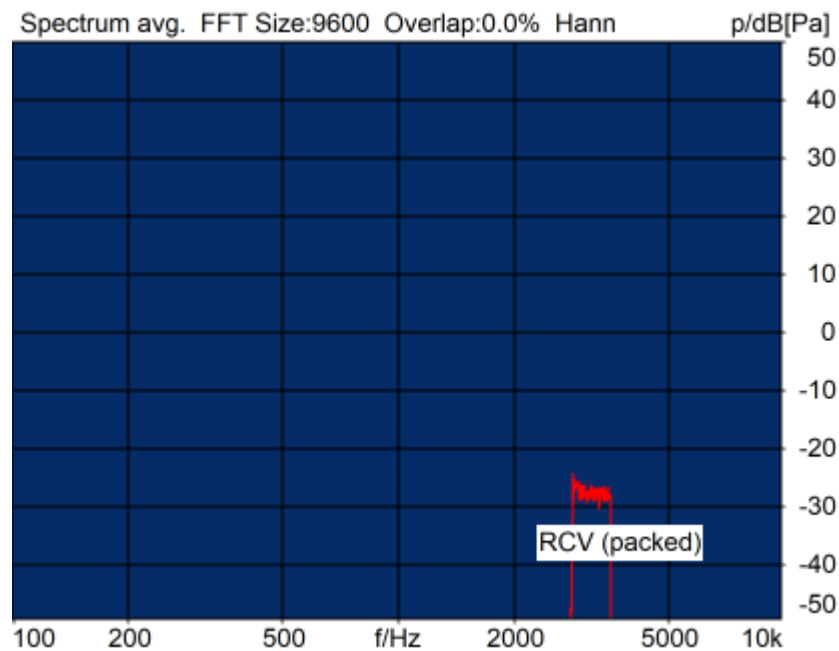
2026-07-08 12:08 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 3150 Hz 2N NB

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



Distortion (Noise) RCV (packed): 44.29 dB (0.61%) Ok

Ok

2026-07-08 12:09 ACQUA 6.2.210

Limits

lower
20.00 dB

Report - Receive Distortion and Noise (Conversational Gain) 2N NB

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

Region	Frequency	SDNR
1	400Hz	33.85 dB
2	500Hz	32.25 dB
3	630Hz	28.96 dB
4	800Hz	32.47 dB
5	1000Hz	26.45 dB
6	1250Hz	30.35 dB
7	1600Hz	26.28 dB
8	2000Hz	24.39 dB
9	2500Hz	40.28 dB
10	3150Hz	44.29 dB

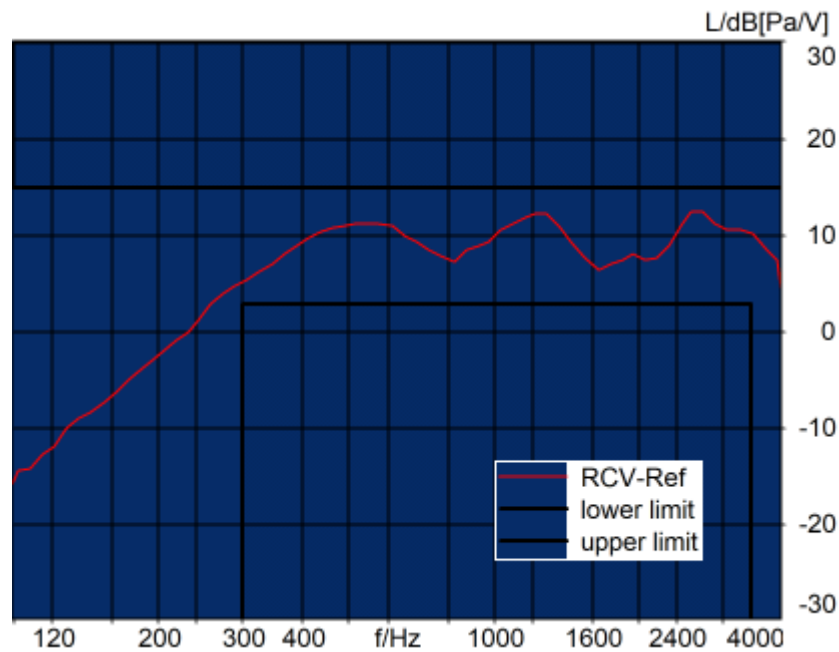
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 24.39dB at 2000Hz.

2026-07-08 □ □ 12:09 ACQUA

5.3 Frequency Response 2N FF HANB

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



Absolute minimal distance

2.47 dB at 2571.8 Hz Ok

Ok

2026-07-08 12:09 ACQUA 6.2.210

Limits

lower
Fit into tolerance

Measurement Protocol

Measurement Object	N77 100M BPSK EVS-NB 24.4kbps
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Project	610603-18_Moto_Sydney_SKU11 NA B2B (PVT)
Report Generation Date	2026-07-13 ☐ ☐ 04:36
Responsible Person	ac01-hy

Status Overview

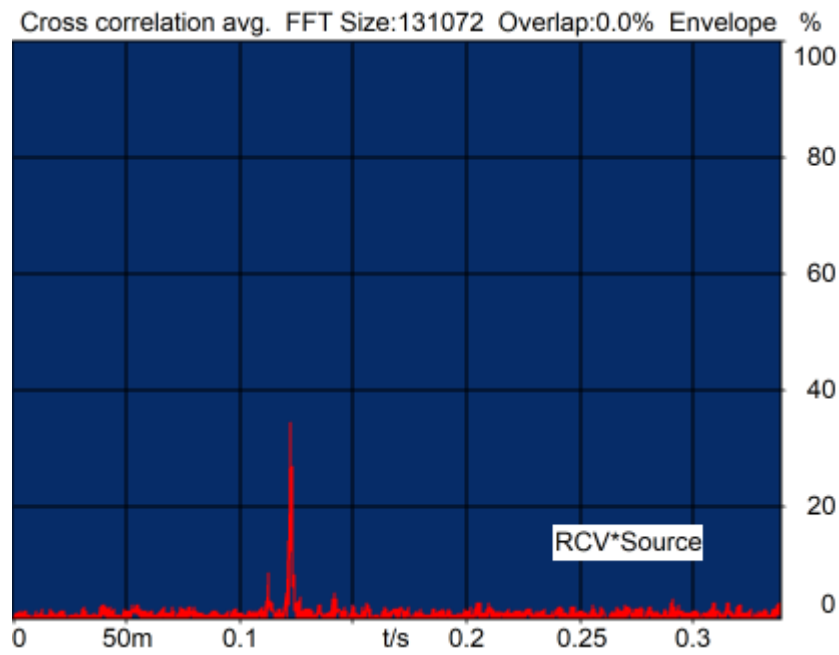
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	122.3	N77 100M BPSK EVS-NB 24.4kbps
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	87.37	N77 100M BPSK EVS-NB 24.4kbps
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	81.52	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.02	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.76	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.59	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.13	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.89	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.70	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.18	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.85	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.54	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.07	N77 100M BPSK EVS-NB 24.4kbps
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	23.85	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.74	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.61	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.19	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.46	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.58	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.67	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.21	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.03	N77 100M BPSK EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	29.97	N77 100M BPSK EVS-NB 24.4kbps

5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.87	N77 100M BPSK EVS-NB 24.4kbps
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	Ok	Minimum SDNR [dB], (occured at 2000Hz)	22.03	N77 100M BPSK EVS-NB 24.4kbps
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 1216.1 Hz	1.70	N77 100M BPSK EVS-NB 24.4kbps
5.3 Frequency Response 2N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 305.9 Hz	1.72	N77 100M BPSK EVS-NB 24.4kbps

Overall Receive Delay NB	6
5.1a Receive Volume Control Performance 8N NB	7
5.1b Receive Volume Control Performance 2N NB	8
5.2 RCV Distortion and Noise - 400 Hz 8N NB	9
5.2 RCV Distortion and Noise - 500 Hz 8N NB	10
5.2 RCV Distortion and Noise - 630 Hz 8N NB	11
5.2 RCV Distortion and Noise - 800 Hz 8N NB	12
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	13
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	14
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	15
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	16
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	17
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	18
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	19
5.2 RCV Distortion and Noise - 400 Hz 2N NB	20
5.2 RCV Distortion and Noise - 500 Hz 2N NB	21
5.2 RCV Distortion and Noise - 630 Hz 2N NB	22
5.2 RCV Distortion and Noise - 800 Hz 2N NB	23
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	24
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	25
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	26
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	27
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	28
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	29
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	30
5.3 Frequency Response 8N FF HANB	31
5.3 Frequency Response 2N FF HANB	32

Overall Receive Delay NB

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

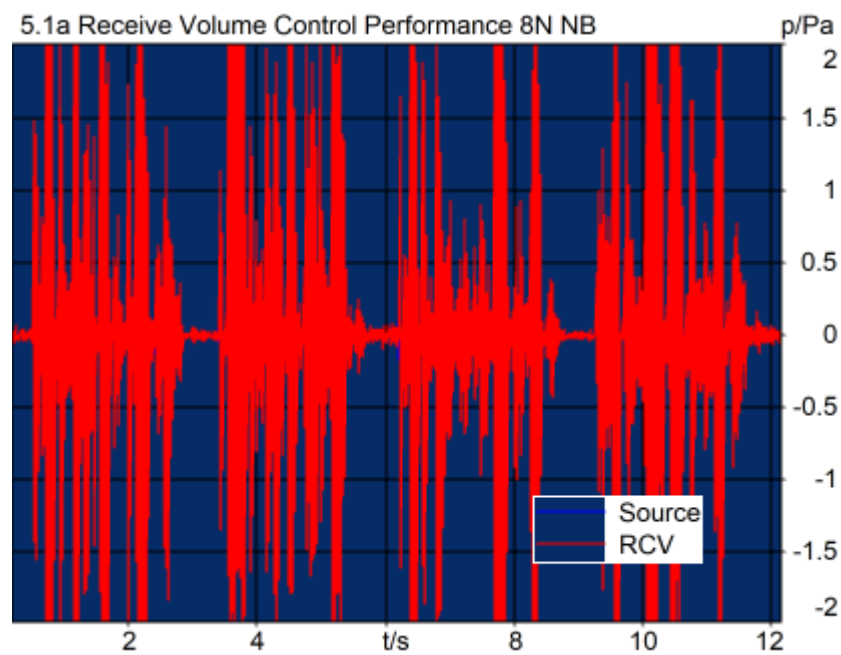


Channel	Delay	Correlation
RCV*Source	122.3 ms	34.30 %

2026-07-13 03:19 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	87.37 dB[SPL]	80.41%	Ok

Ok

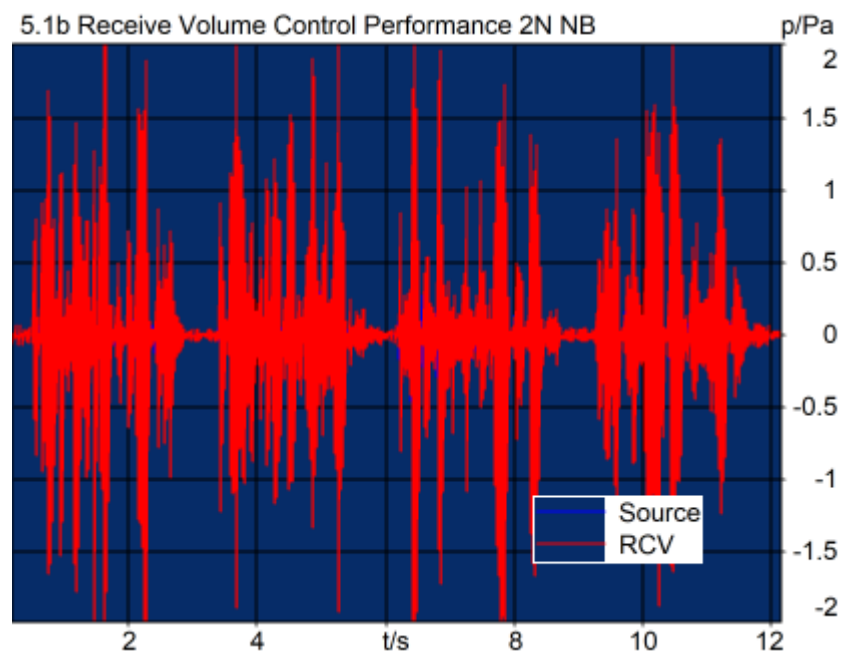
2026-07-13 03:20 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N NB

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



Channel	Speech level	Activity	
RCV	81.52 dB[SPL]	79.95%	Ok

Ok

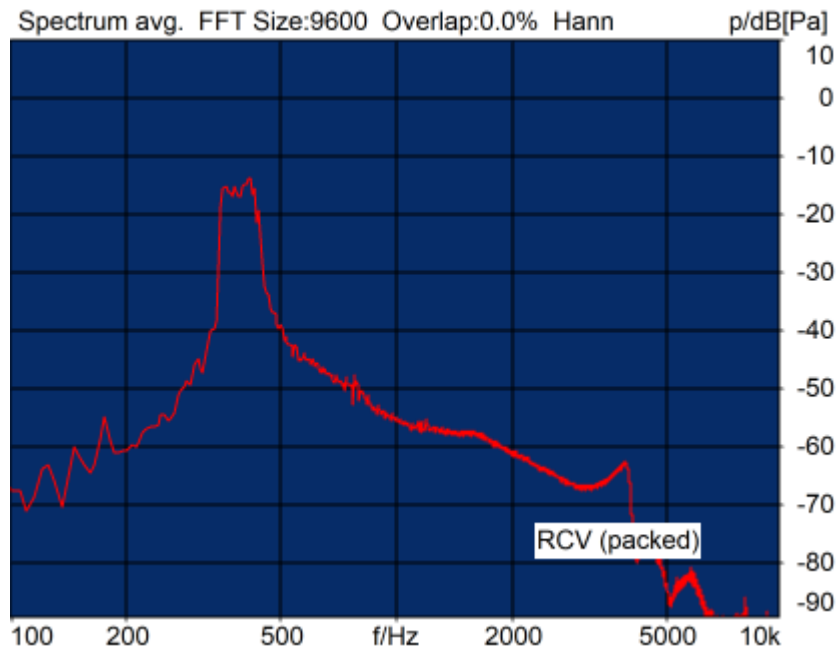
2026-07-13 04:12 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.2 RCV Distortion and Noise - 400 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.02 dB (6.30%) Ok

Ok

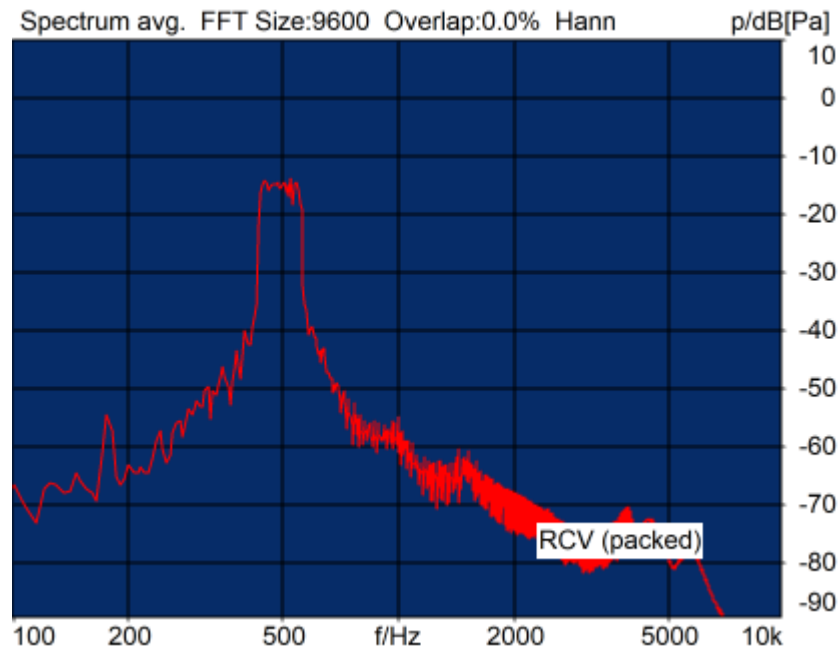
2026-07-13 03:43 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 500 Hz 8N NB

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



Distortion (Noise) RCV (packed): 29.76 dB (3.25%) Ok

Ok

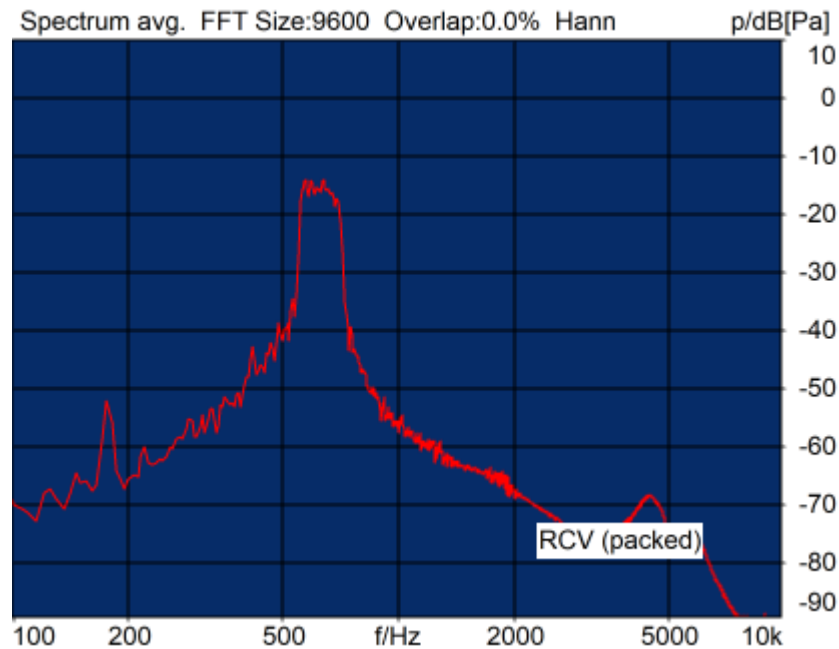
2026-07-13 03:21 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 630 Hz 8N NB

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



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

Ok

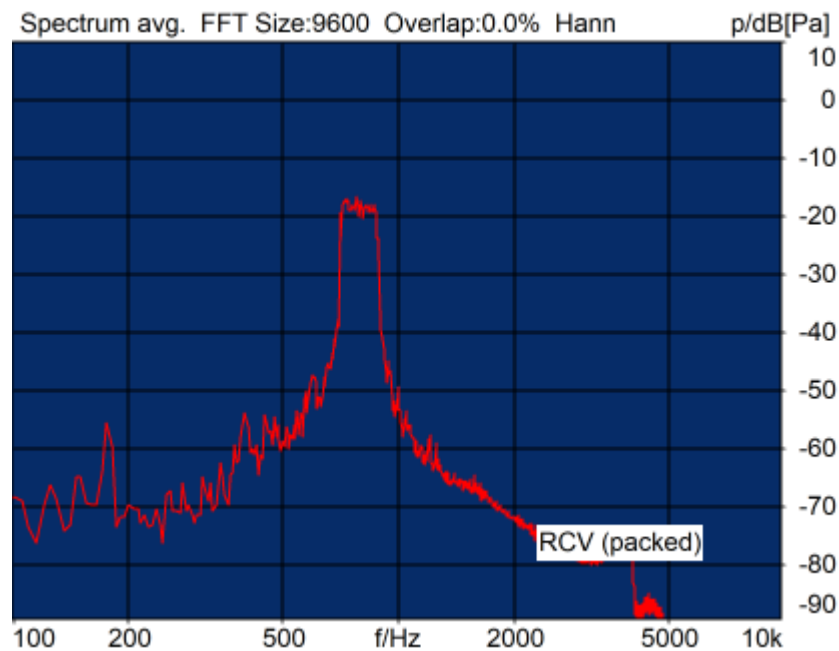
2026-07-13 04:04 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 8N NB

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



Distortion (Noise) RCV (packed): 30.13 dB (3.11%) Ok

Ok

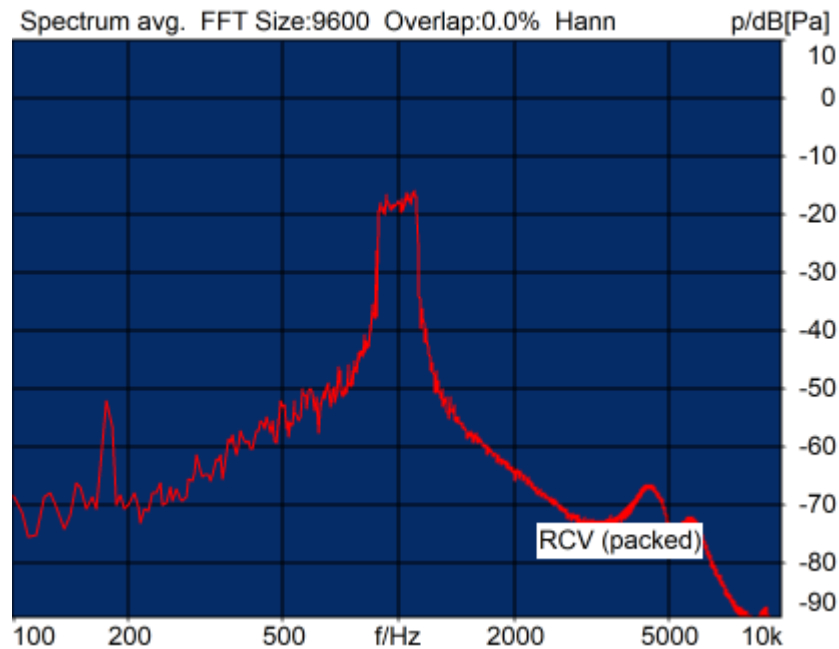
2026-07-13 04:00 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.89 dB (5.70%) Ok

Ok

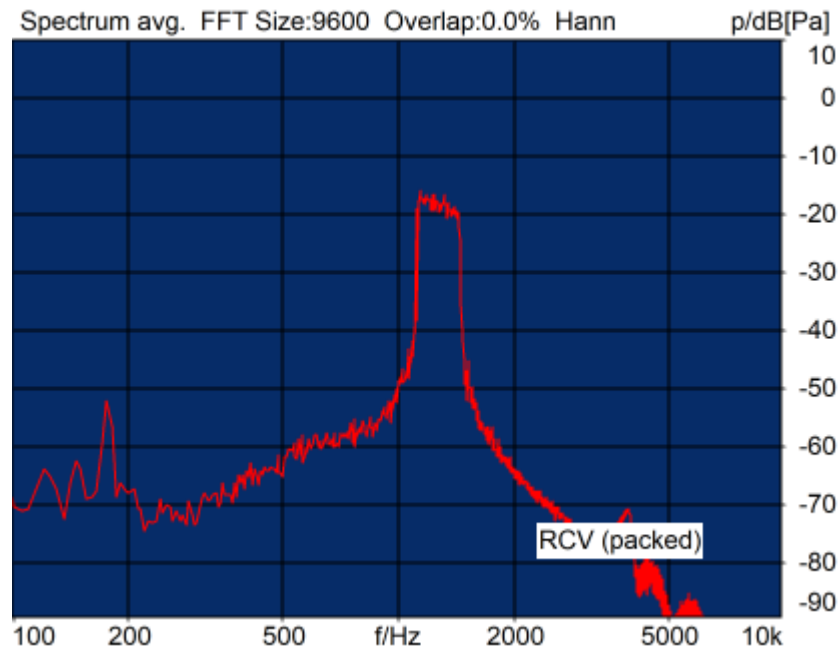
2026-07-13 04:01 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 8N NB

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



Distortion (Noise) RCV (packed): 27.70 dB (4.12%) Ok

Ok

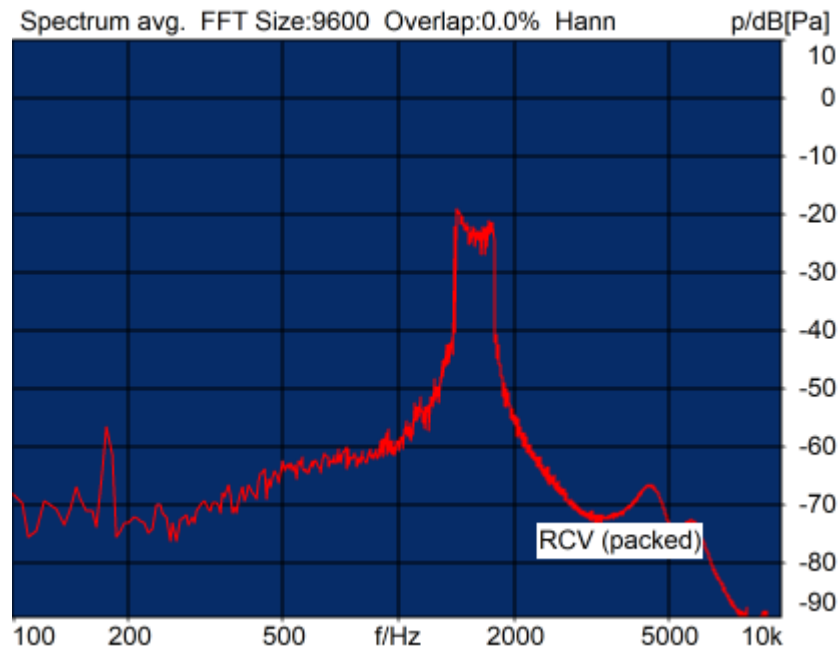
2026-07-13 03:51 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1600 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.18 dB (6.18%) Ok

Ok

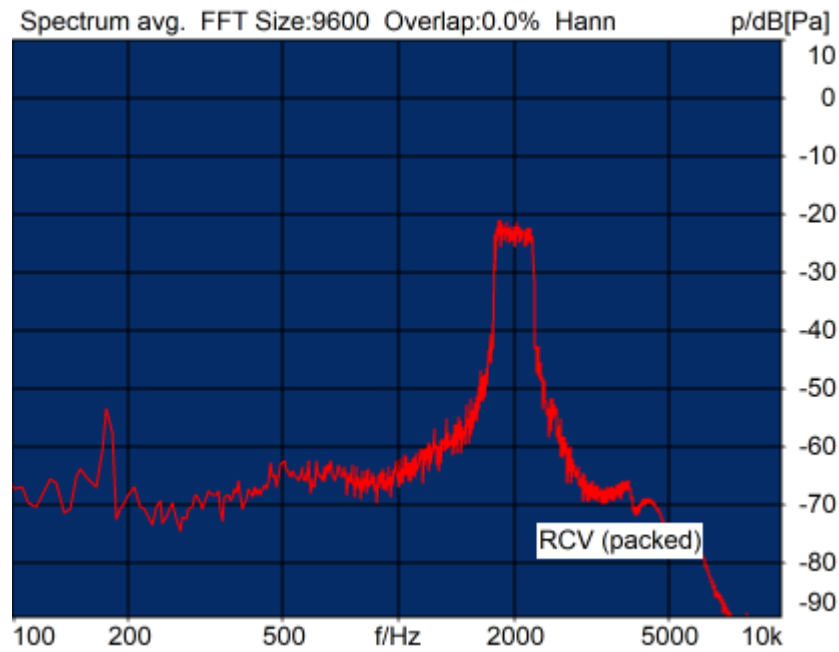
2026-07-13 04:05 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 8N NB

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



Distortion (Noise) RCV (packed): 23.85 dB (6.42%) Ok

Ok

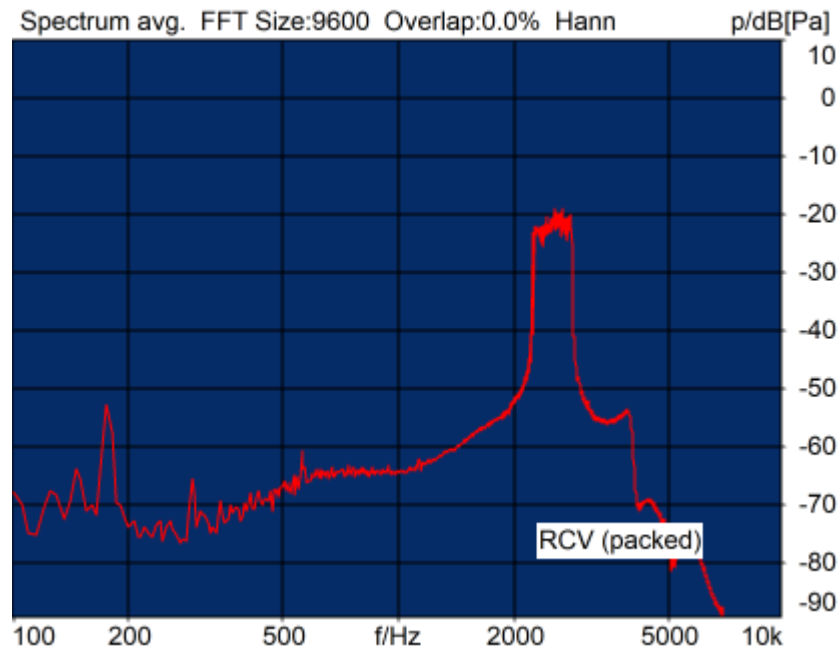
2026-07-13 03:52 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.54 dB (5.93%) Ok

Ok

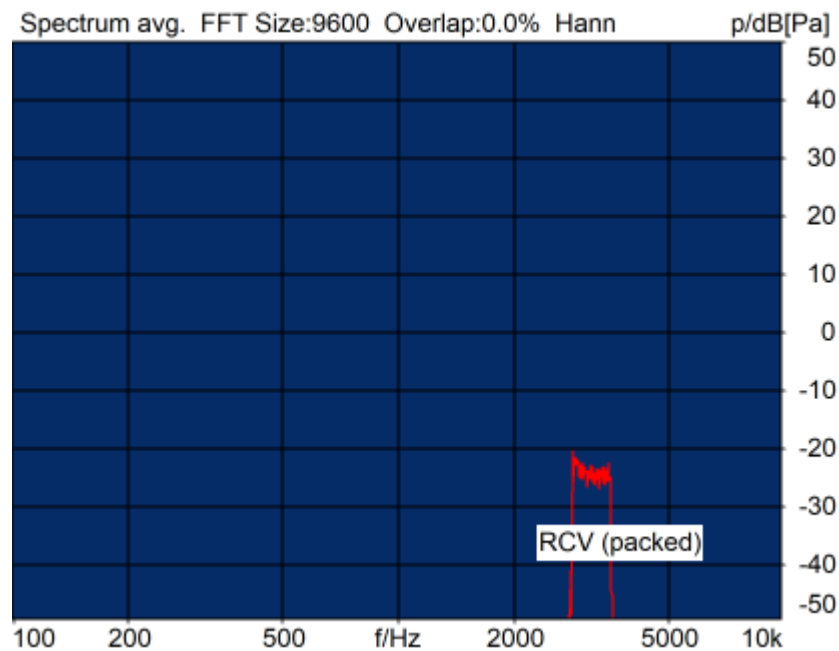
2026-07-13 04:08 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 3150 Hz 8N NB

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



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

Ok

2026-07-13 03:55 ACQUA 6.2.210

Limits

lower
20.00 dB

Report - Receive Distortion and Noise (Conversational Gain) 8N NB

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

Region	Frequency	SDNR
1	500Hz	29.76 dB
2	400Hz	24.02 dB
3	1250Hz	27.70 dB
4	2000Hz	23.85 dB
5	3150Hz	28.07 dB
6	800Hz	30.13 dB
7	1000Hz	24.89 dB
8	630Hz	27.59 dB
9	1600Hz	24.18 dB
10	2500Hz	24.54 dB

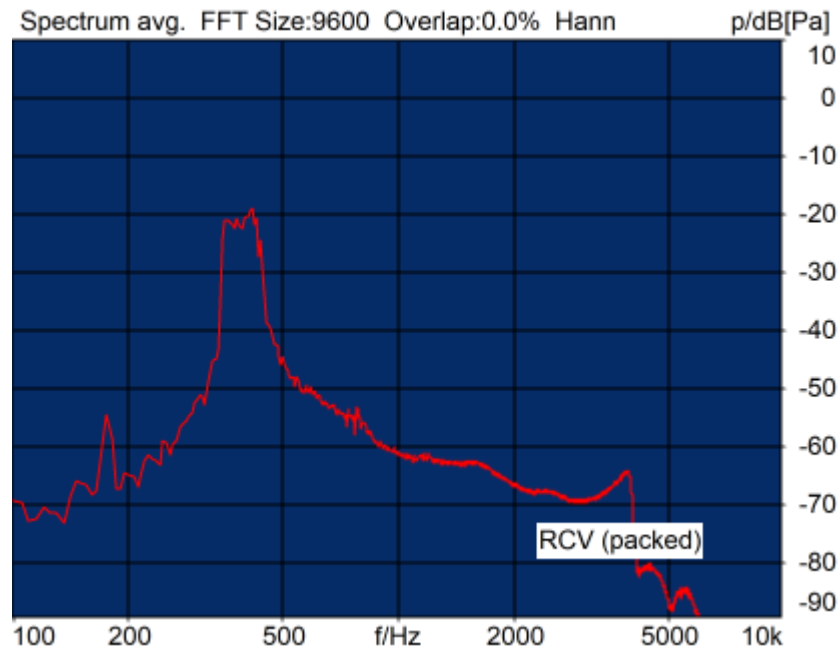
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 23.85dB at 2000Hz.

2026-07-13 04:09 ACQUA

5.2 RCV Distortion and Noise - 400 Hz 2N NB

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



Distortion (Noise) RCV (packed): 23.74 dB (6.50%) Ok

Ok

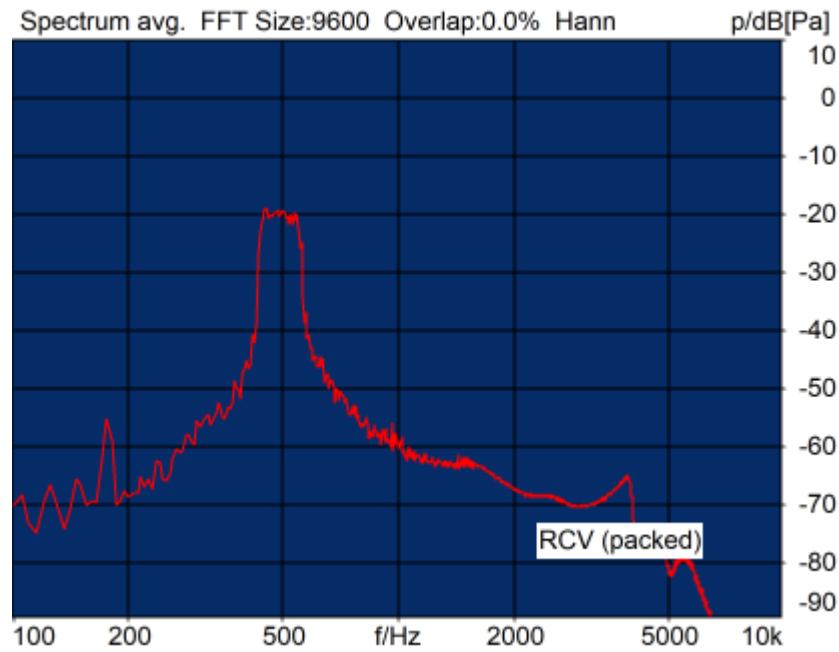
2026-07-13 04:20 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 500 Hz 2N NB

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



Distortion (Noise) RCV (packed): 25.61 dB (5.24%) Ok

Ok

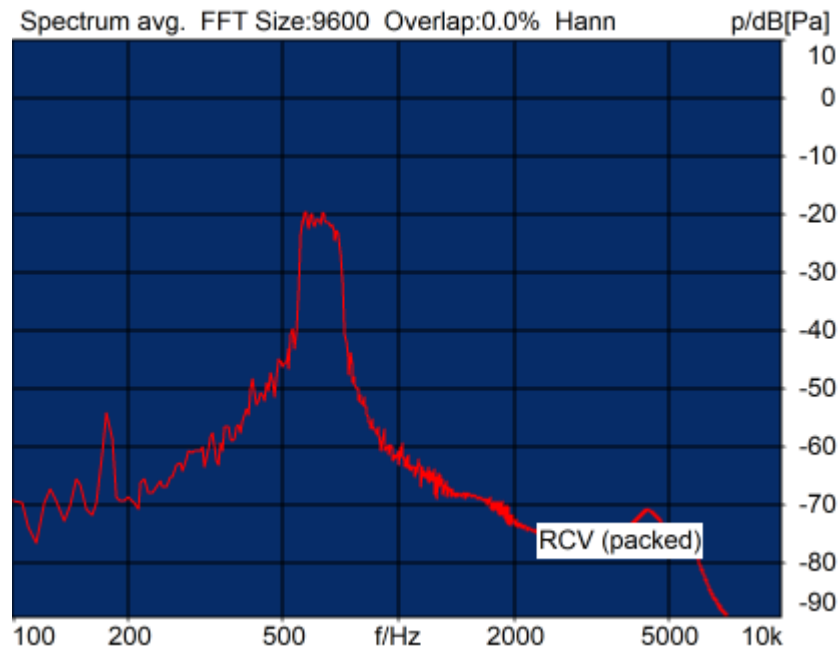
2026-07-13 04:13 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 630 Hz 2N NB

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



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

Ok

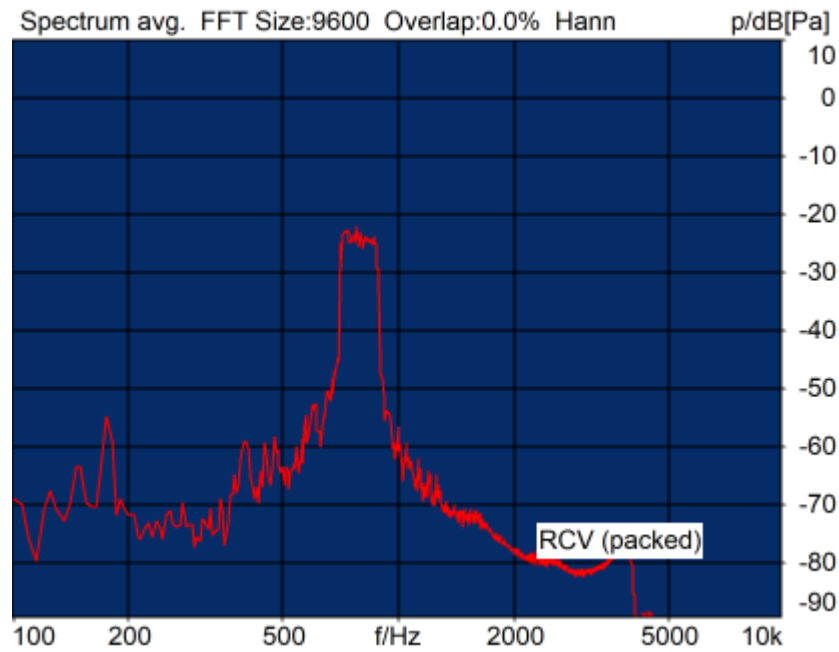
2026-07-13 04:27 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 2N NB

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



Distortion (Noise) RCV (packed): 30.46 dB (3.00%) Ok

Ok

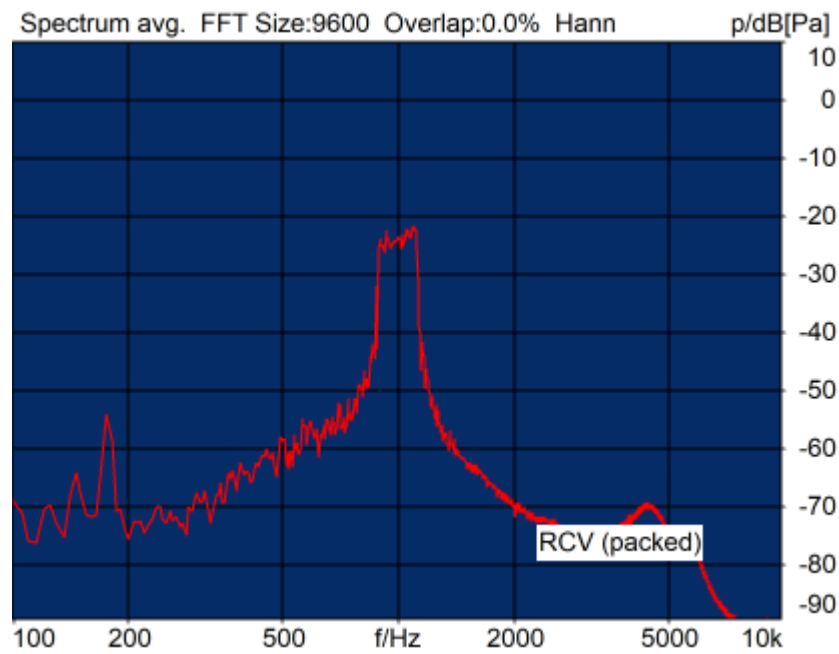
2026-07-13 04:27 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 2N NB

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



Distortion (Noise) RCV (packed): 24.58 dB (5.90%) Ok

Ok

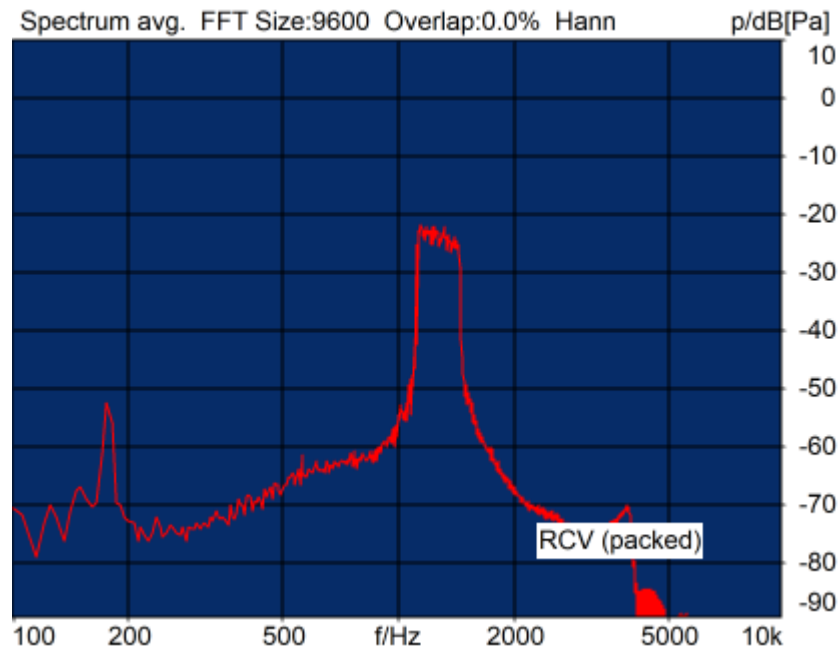
2026-07-13 04:28 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 2N NB

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



Distortion (Noise) RCV (packed): 26.67 dB (4.64%) Ok

Ok

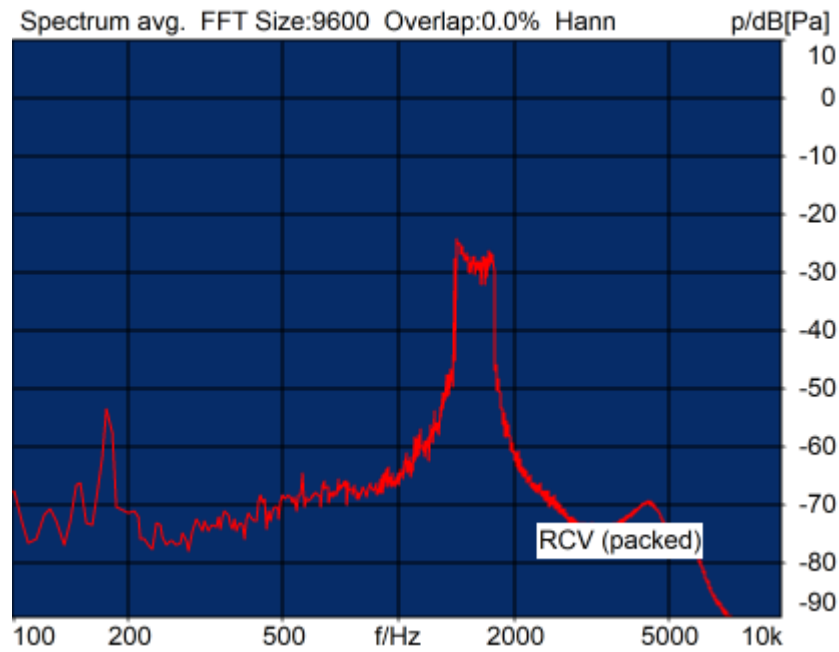
2026-07-13 04:22 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1600 Hz 2N NB

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



Distortion (Noise) RCV (packed): 24.21 dB (6.16%) Ok

Ok

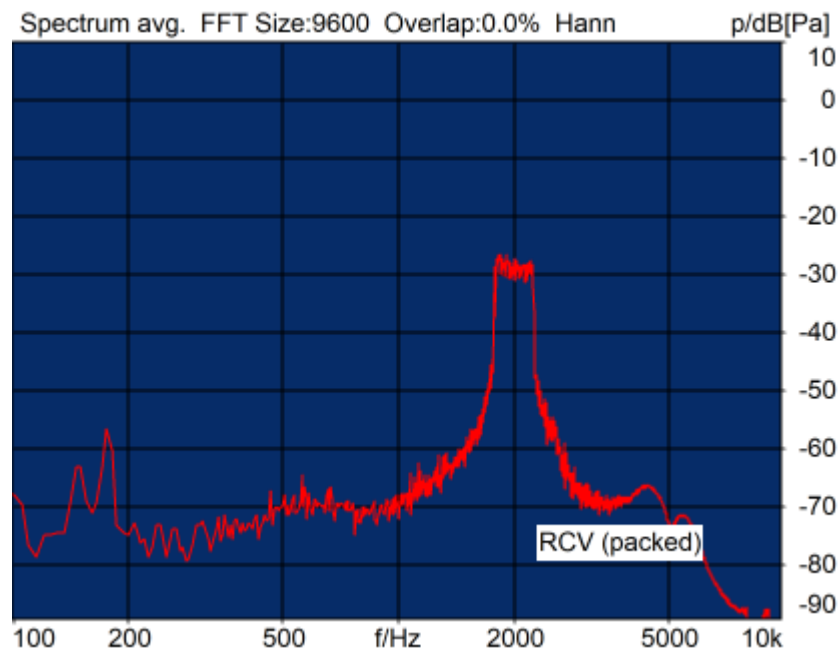
2026-07-13 04:16 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 2N NB

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



Distortion (Noise) RCV (packed): 22.03 dB (7.91%) Ok

Ok

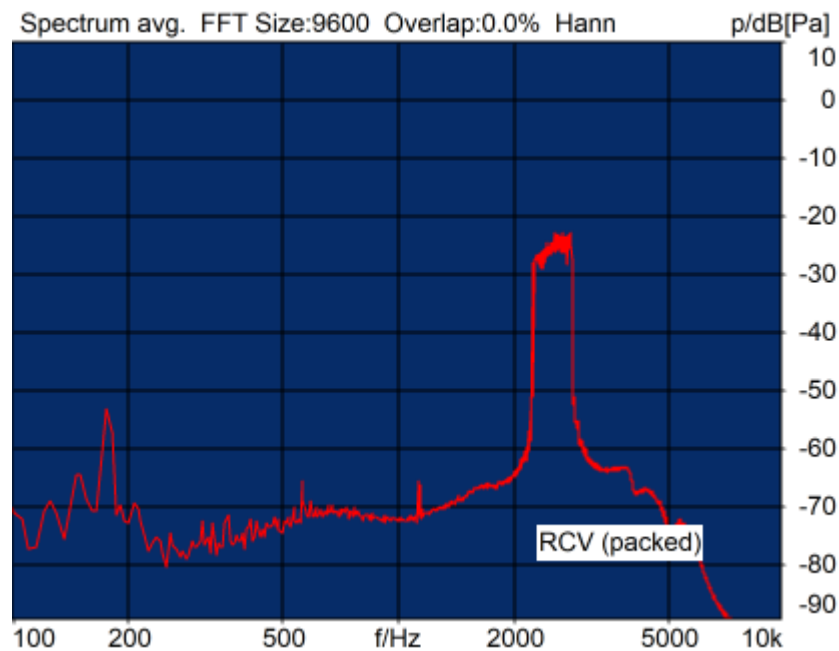
2026-07-13 04:28 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 2N NB

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



Distortion (Noise) RCV (packed): 29.97 dB (3.17%) Ok

Ok

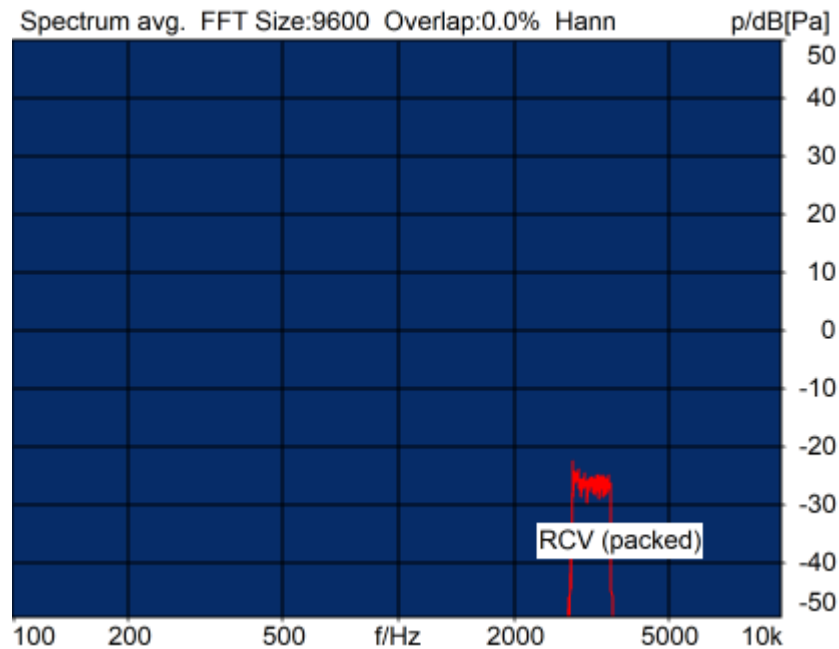
2026-07-13 04:17 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 3150 Hz 2N NB

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



Distortion (Noise) RCV (packed): 25.87 dB (5.08%) Ok

Ok

2026-07-13 04:34 ACQUA 6.2.210

Limits

lower
20.00 dB

Report - Receive Distortion and Noise (Conversational Gain) 2N NB

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

Region	Frequency	SDNR
1	500Hz	25.61 dB
2	1600Hz	24.21 dB
3	2500Hz	29.97 dB
4	400Hz	23.74 dB
5	1250Hz	26.67 dB
6	630Hz	27.19 dB
7	800Hz	30.46 dB
8	1000Hz	24.58 dB
9	2000Hz	22.03 dB
10	3150Hz	25.87 dB

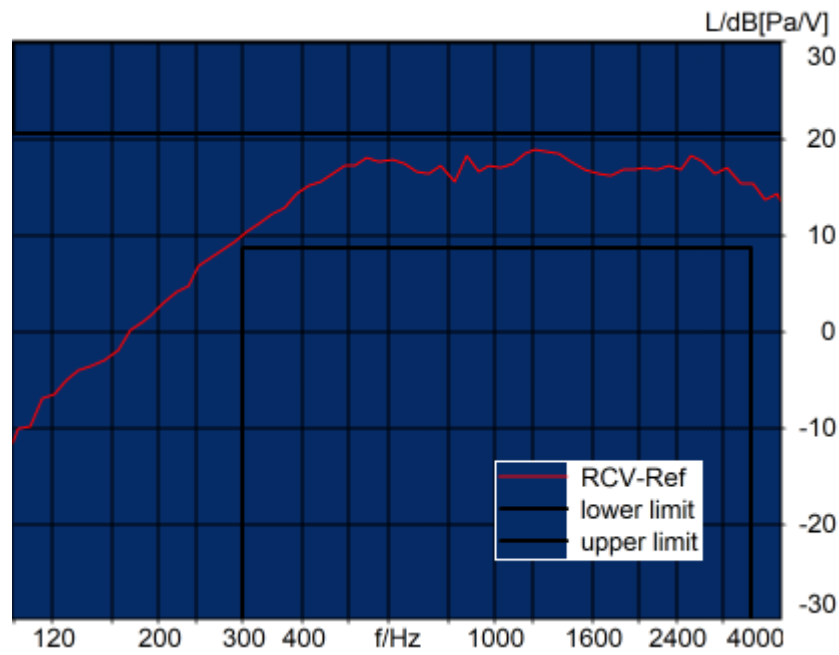
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.03dB at 2000Hz.

2026-07-13 04:35 ACQUA

5.3 Frequency Response 8N FF HANB

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



Absolute minimal distance

1.70 dB at 1216.1 Hz Ok

Ok

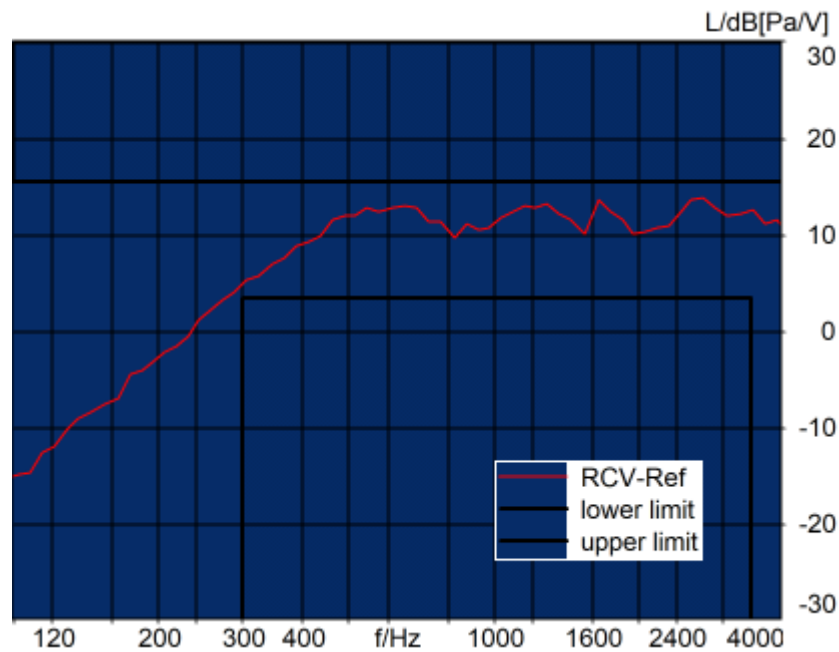
2026-07-13 04:09 ACQUA 6.2.210

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N FF HANB

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



Absolute minimal distance

1.72 dB at 305.9 Hz Ok

Ok

2026-07-13 04:24 ACQUA 6.2.210

Limits

lower
Fit into tolerance

Measurement Protocol

Measurement Object	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
--------------------	---------------------------------------

Project	610603-18_Moto_Sydney_SKU11 NA B2B (PVT)
Report Generation Date	2026-07-08 ☐ ☐ 01:49
Responsible Person	ac01-hy

Status Overview

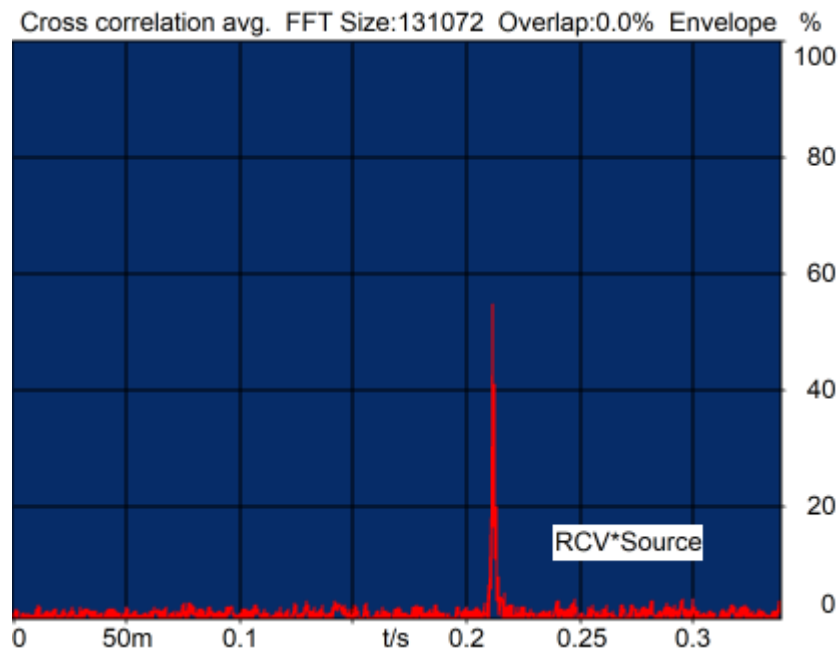
SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay NB	Done	Delay (Cross) [ms]	212.3	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	86.40	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	81.10	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 400 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	23.91	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	31.00	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 630 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	28.74	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 800 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.87	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.33	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.90	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	22.39	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.88	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	33.82	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	Ok	Distortion (Noise) [dB], 0.0 dB	35.78	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	Ok	Minimum SDNR [dB], (occured at 1600Hz)	22.39	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 400 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.77	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	30.46	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 630 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	26.30	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 800 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	27.66	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.80	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	21.35	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	25.76	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	24.95	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	36.13	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps

5.2 RCV Distortion and Noise - 3150 Hz 2N NB	Ok	Distortion (Noise) [dB], 0.0 dB	36.64	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	Ok	Minimum SDNR [dB], (occured at 1250Hz)	21.35	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.3 Frequency Response 8N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 1216.1 Hz	2.06	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps
5.3 Frequency Response 2N FF HANB	Ok	Min. dist. to tolerance scheme [dB], 2571.8 Hz	1.89	WIFI5G 802.11a 6M 116 EVS-NB 24.4kbps

Overall Receive Delay NB	6
5.1a Receive Volume Control Performance 8N NB	7
5.1b Receive Volume Control Performance 2N NB	8
5.2 RCV Distortion and Noise - 400 Hz 8N NB	9
5.2 RCV Distortion and Noise - 500 Hz 8N NB	10
5.2 RCV Distortion and Noise - 630 Hz 8N NB	11
5.2 RCV Distortion and Noise - 800 Hz 8N NB	12
5.2 RCV Distortion and Noise - 1000 Hz 8N NB	13
5.2 RCV Distortion and Noise - 1250 Hz 8N NB	14
5.2 RCV Distortion and Noise - 1600 Hz 8N NB	15
5.2 RCV Distortion and Noise - 2000 Hz 8N NB	16
5.2 RCV Distortion and Noise - 2500 Hz 8N NB	17
5.2 RCV Distortion and Noise - 3150 Hz 8N NB	18
Report - Receive Distortion and Noise (Conversational Gain) 8N NB	19
5.2 RCV Distortion and Noise - 400 Hz 2N NB	20
5.2 RCV Distortion and Noise - 500 Hz 2N NB	21
5.2 RCV Distortion and Noise - 630 Hz 2N NB	22
5.2 RCV Distortion and Noise - 800 Hz 2N NB	23
5.2 RCV Distortion and Noise - 1000 Hz 2N NB	24
5.2 RCV Distortion and Noise - 1250 Hz 2N NB	25
5.2 RCV Distortion and Noise - 1600 Hz 2N NB	26
5.2 RCV Distortion and Noise - 2000 Hz 2N NB	27
5.2 RCV Distortion and Noise - 2500 Hz 2N NB	28
5.2 RCV Distortion and Noise - 3150 Hz 2N NB	29
Report - Receive Distortion and Noise (Conversational Gain) 2N NB	30
5.3 Frequency Response 8N FF HANB	31
5.3 Frequency Response 2N FF HANB	32

Overall Receive Delay NB

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

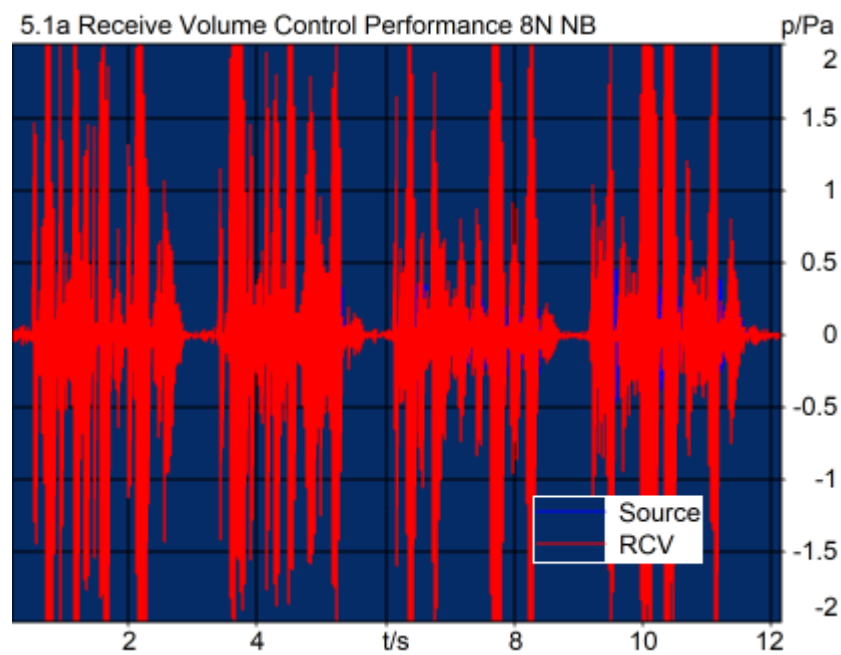


Channel	Delay	Correlation
RCV*Source	212.3 ms	54.98 %

2026-07-08 01:33 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N NB

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



Channel	Speech level	Activity	
RCV	86.40 dB[SPL]	79.97%	Ok

Ok

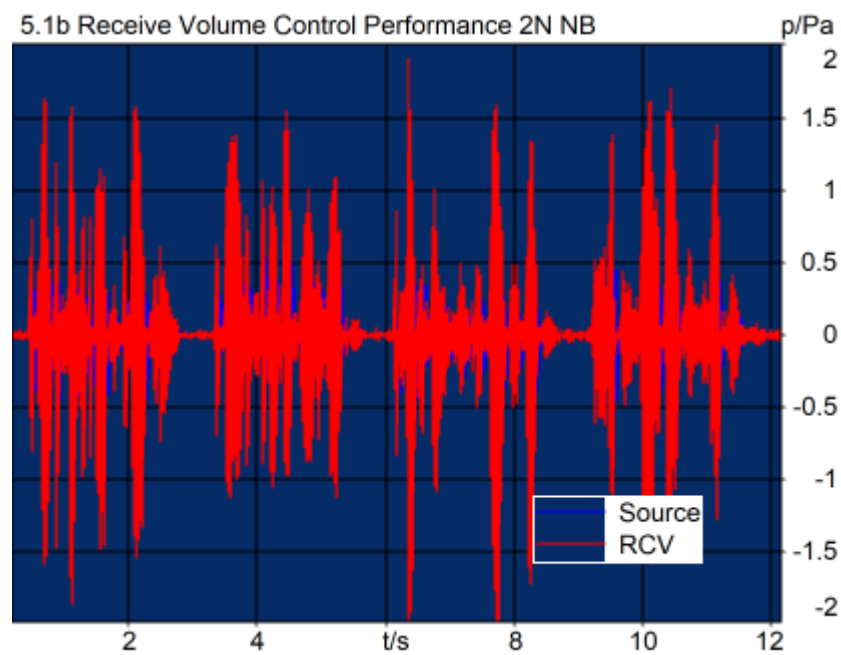
2026-07-08 01:33 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N NB

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



Channel	Speech level	Activity	
RCV	81.10 dB[SPL]	80.46%	Ok

Ok

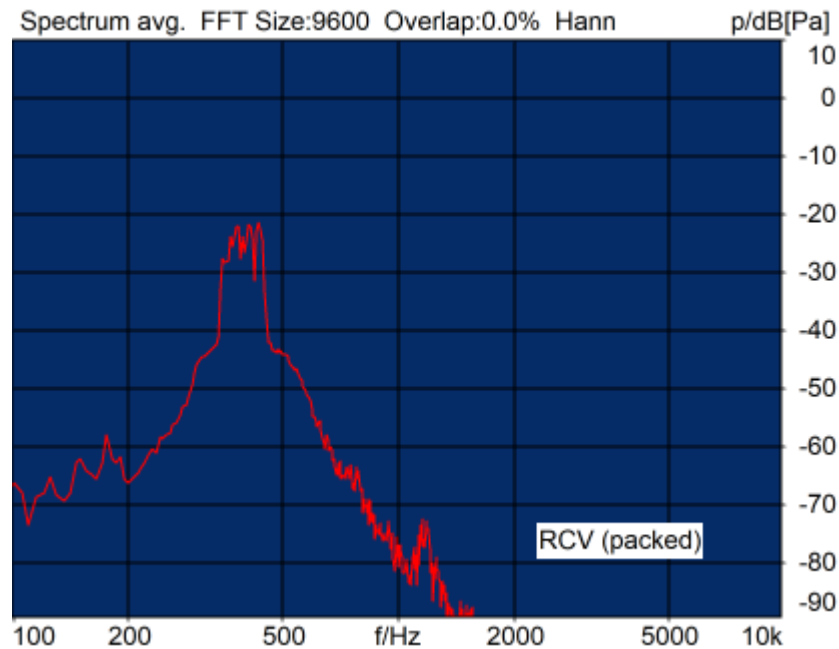
2026-07-08 01:42 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.2 RCV Distortion and Noise - 400 Hz 8N NB

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



Distortion (Noise) RCV (packed): 23.91 dB (6.37%) Ok

Ok

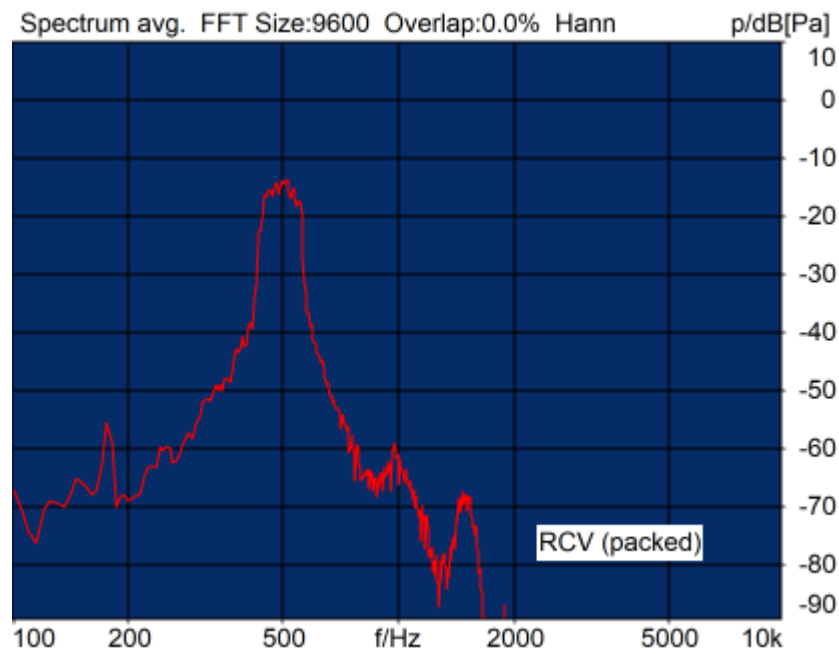
2026-07-08 01:34 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 500 Hz 8N NB

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



Distortion (Noise) RCV (packed): 31.00 dB (2.82%) Ok

Ok

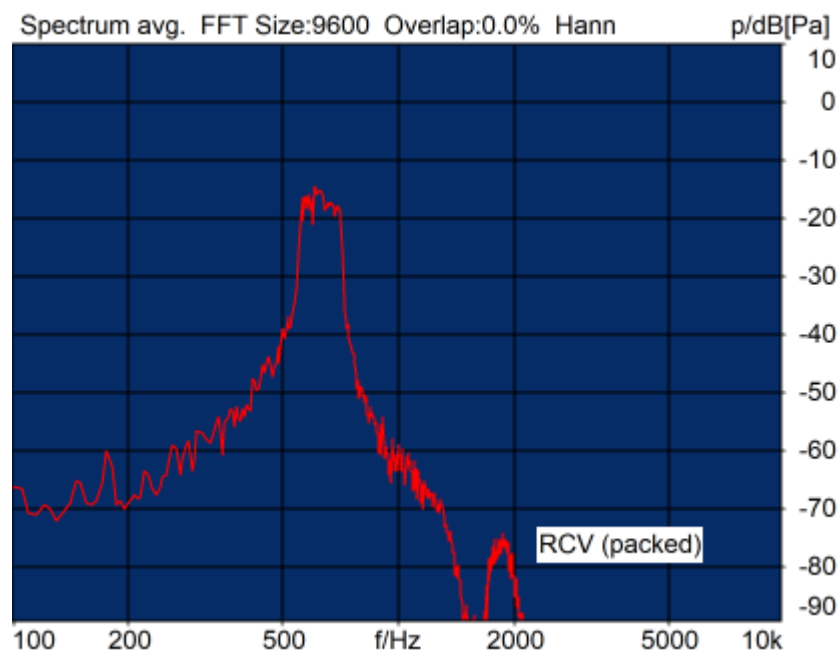
2026-07-08 01:34 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 630 Hz 8N NB

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



Distortion (Noise) RCV (packed): 28.74 dB (3.66%) Ok

Ok

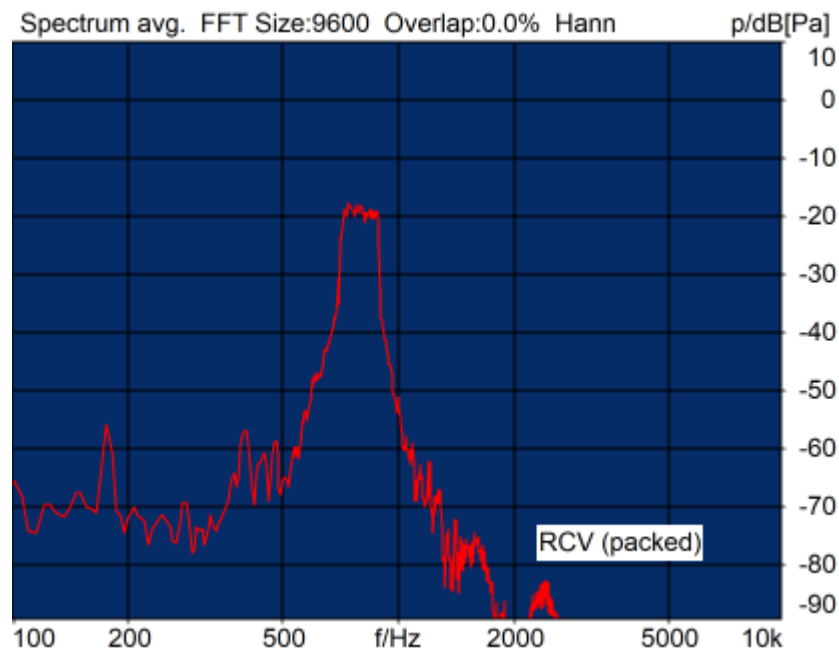
2026-07-08 01:35 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 8N NB

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



Distortion (Noise) RCV (packed): 27.87 dB (4.04%) Ok

Ok

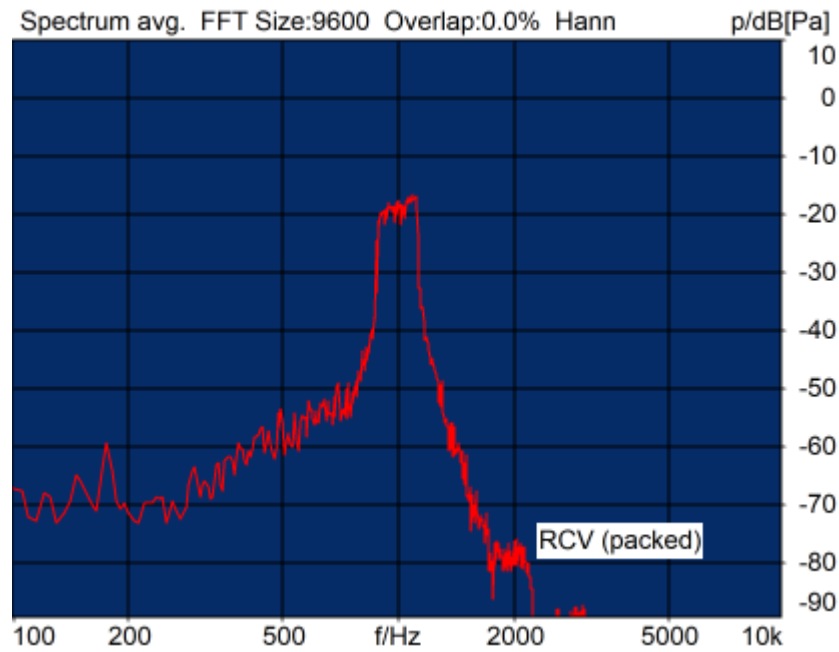
2026-07-08 01:36 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 8N NB

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



Distortion (Noise) RCV (packed): 25.33 dB (5.41%) Ok

Ok

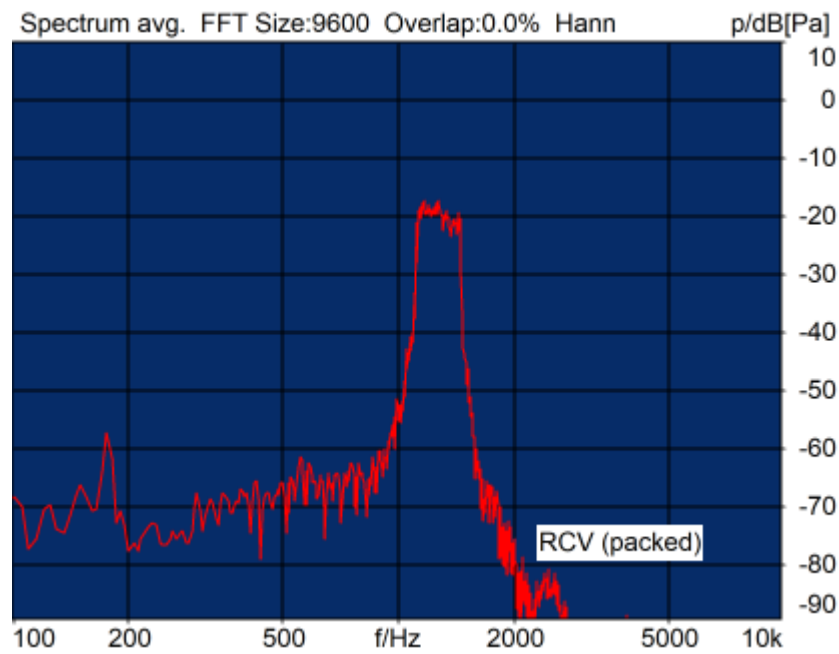
2026-07-08 01:36 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 8N NB

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



Distortion (Noise) RCV (packed): 24.90 dB (5.69%) Ok

Ok

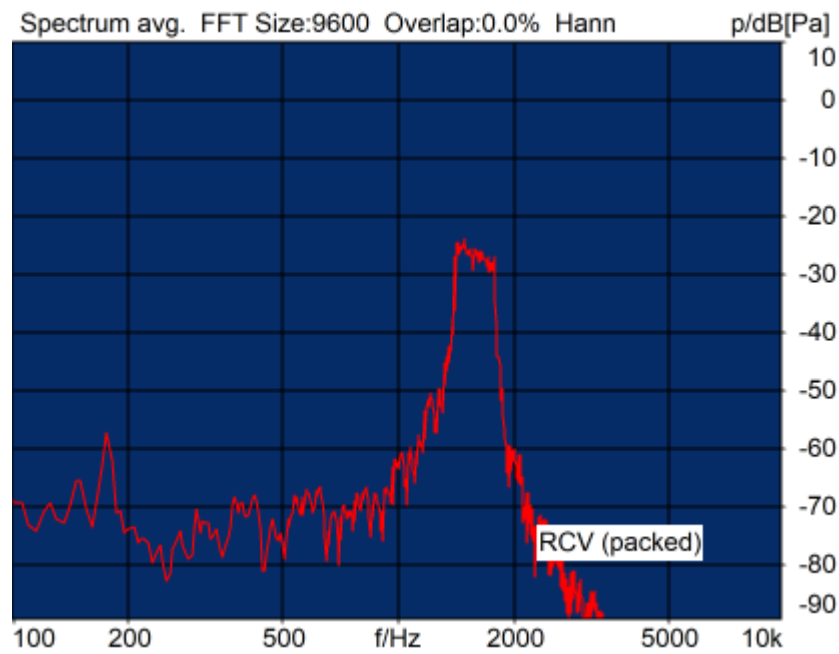
2026-07-08 01:37 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1600 Hz 8N NB

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



Distortion (Noise) RCV (packed): 22.39 dB (7.59%) Ok

Ok

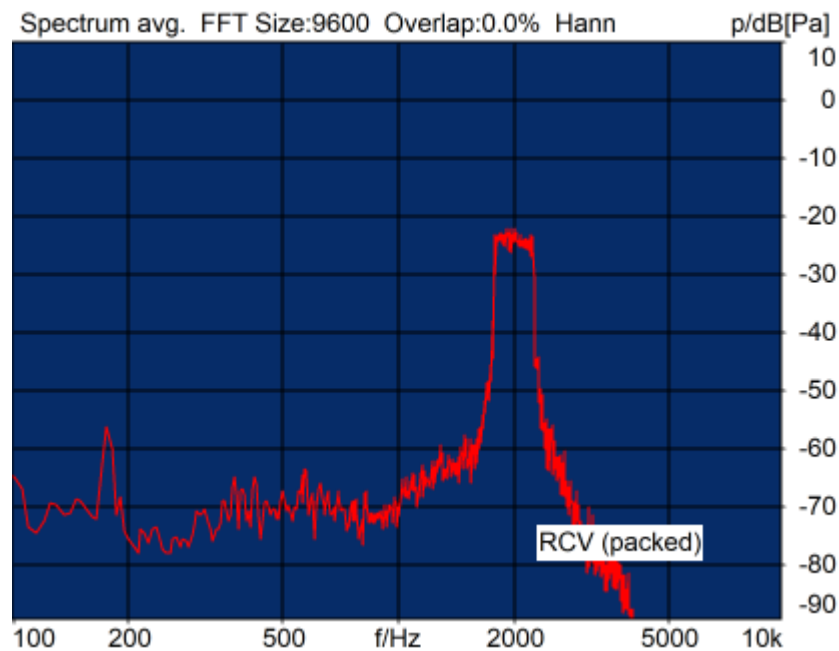
2026-07-08 01:37 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 8N NB

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



Distortion (Noise) RCV (packed): 26.88 dB (4.53%) Ok

Ok

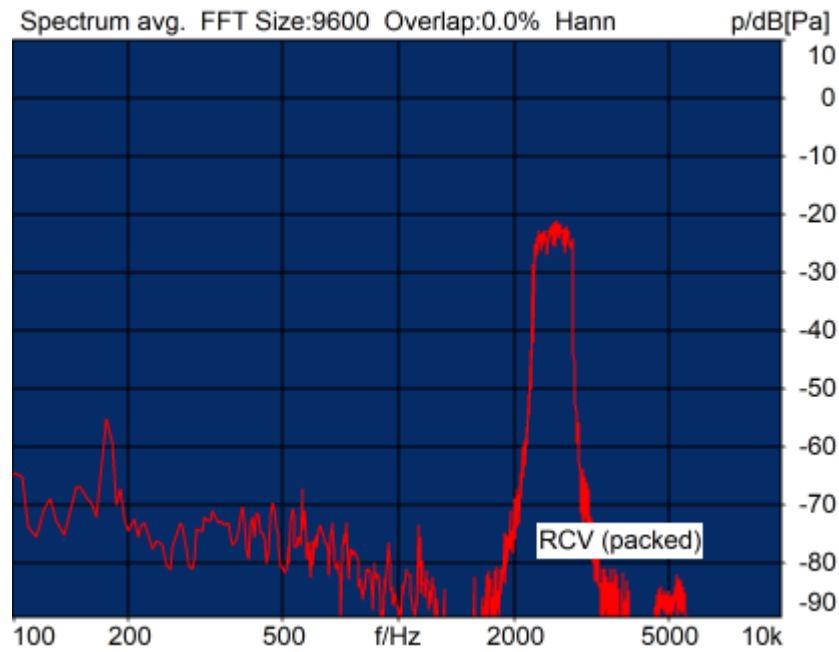
2026-07-08 01:38 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 8N NB

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



Distortion (Noise) RCV (packed): 33.82 dB (2.04%) Ok

Ok

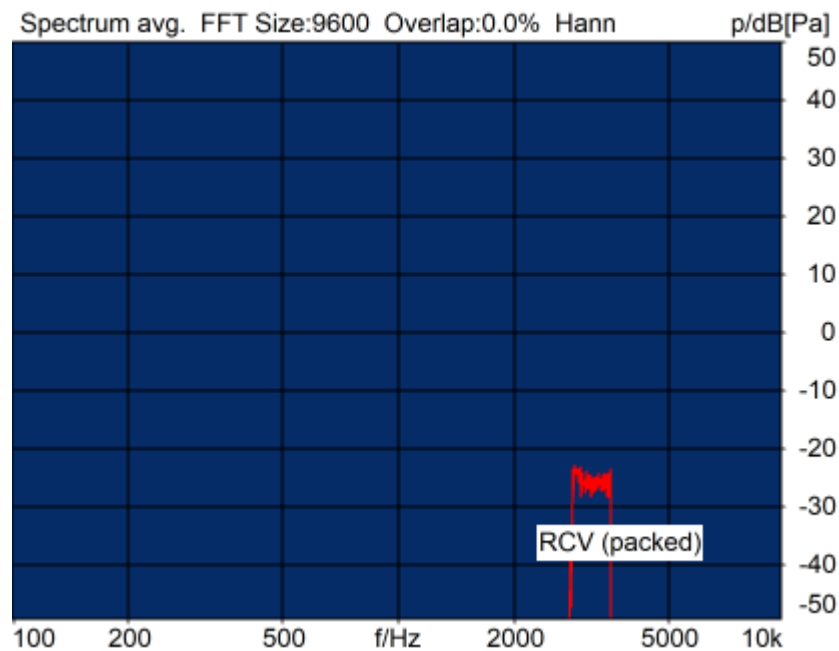
2026-07-08 01:38 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 3150 Hz 8N NB

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



Distortion (Noise) RCV (packed): 35.78 dB (1.63%) Ok

Ok

2026-07-08 01:39 ACQUA 6.2.210

Limits

lower
20.00 dB

Report - Receive Distortion and Noise (Conversational Gain) 8N NB

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

Region	Frequency	SDNR
1	400Hz	23.91 dB
2	500Hz	31.00 dB
3	630Hz	28.74 dB
4	800Hz	27.87 dB
5	1000Hz	25.33 dB
6	1250Hz	24.90 dB
7	1600Hz	22.39 dB
8	2000Hz	26.88 dB
9	2500Hz	33.82 dB
10	3150Hz	35.78 dB

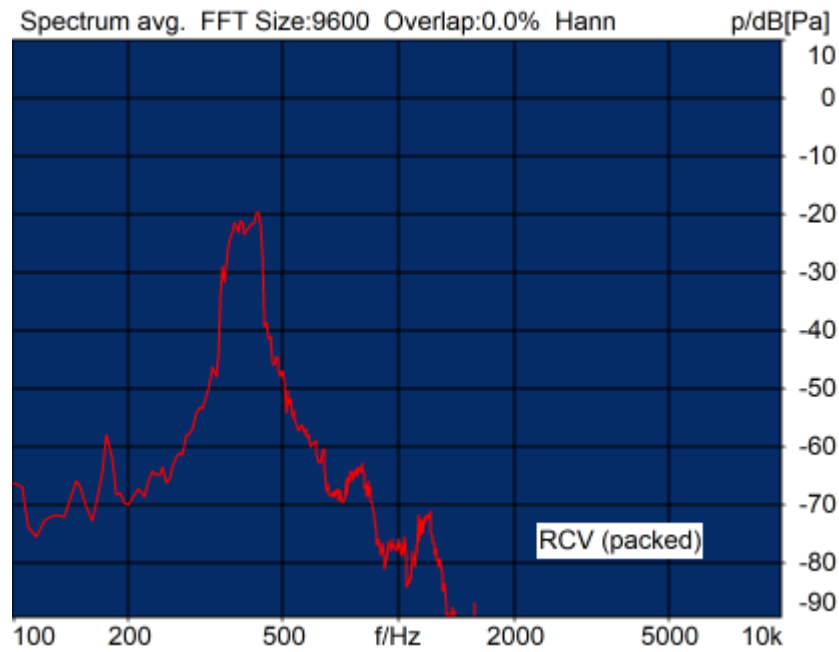
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 22.39dB at 1600Hz.

2026-07-08 □ □ 01:39 ACQUA

5.2 RCV Distortion and Noise - 400 Hz 2N NB

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



Distortion (Noise) RCV (packed): 30.77 dB (2.90%) Ok

Ok

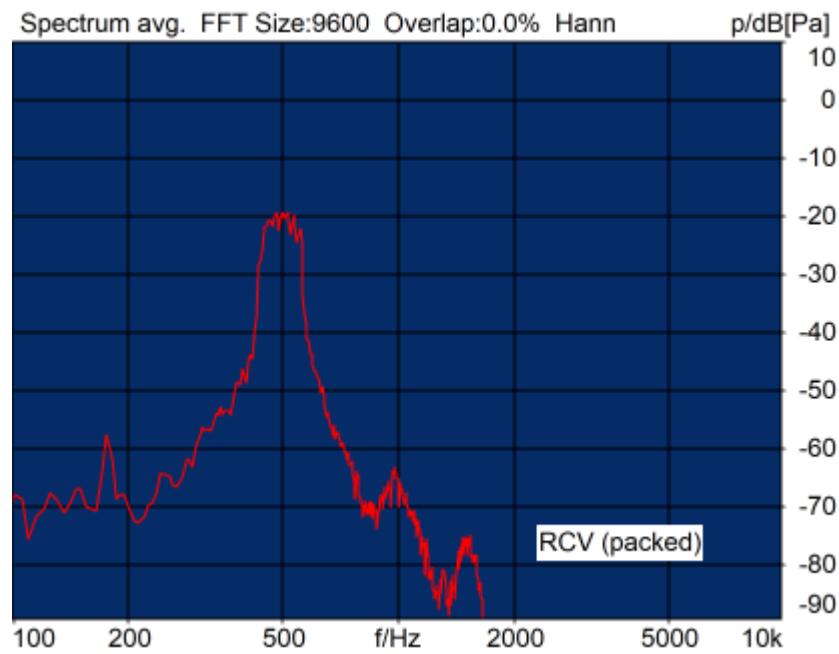
2026-07-08 01:43 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 500 Hz 2N NB

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



Distortion (Noise) RCV (packed): 30.46 dB (3.00%) Ok

Ok

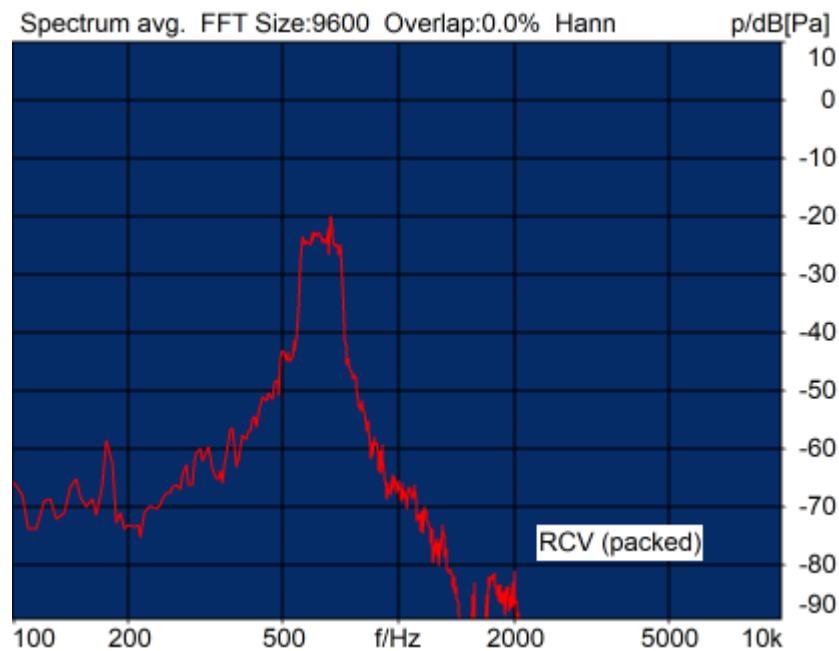
2026-07-08 01:43 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 630 Hz 2N NB

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



Distortion (Noise) RCV (packed): 26.30 dB (4.84%) Ok

Ok

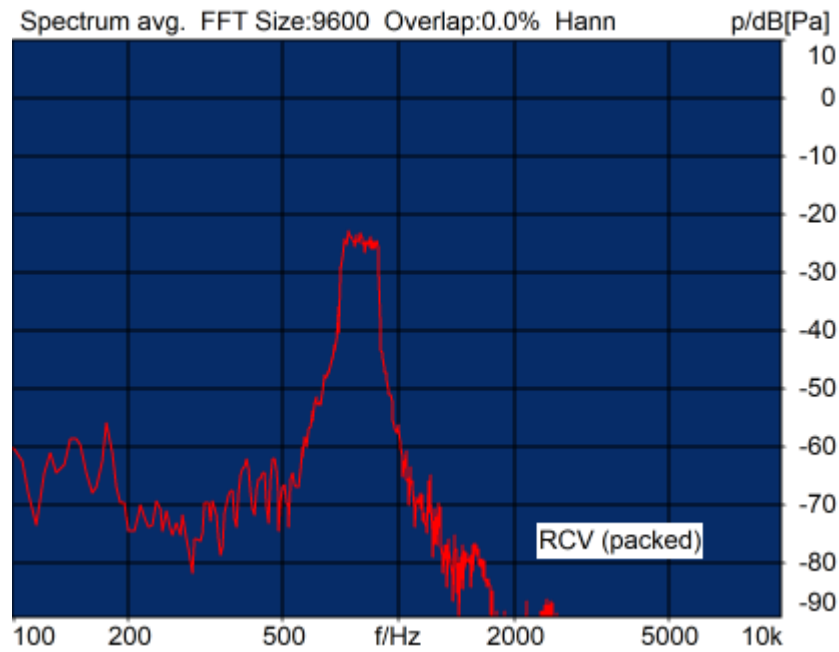
2026-07-08 01:44 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 800 Hz 2N NB

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



Distortion (Noise) RCV (packed): 27.66 dB (4.14%) Ok

Ok

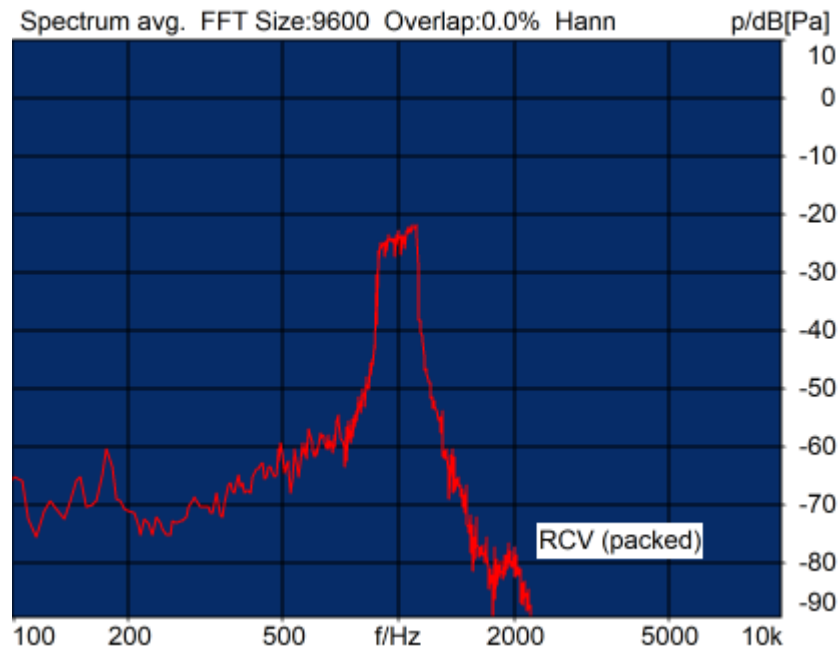
2026-07-08 01:45 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1000 Hz 2N NB

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



Distortion (Noise) RCV (packed): 25.80 dB (5.13%) Ok

Ok

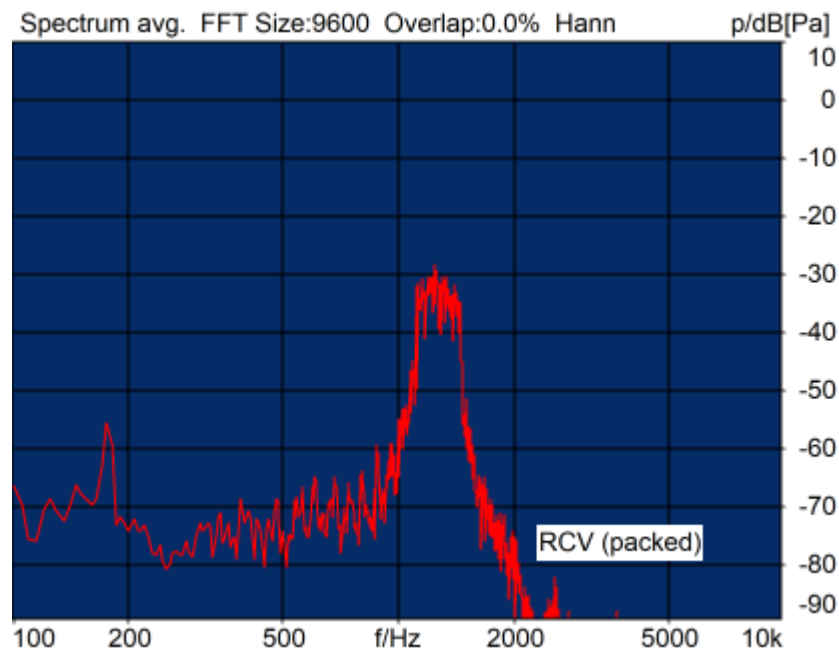
2026-07-08 01:45 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1250 Hz 2N NB

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



Distortion (Noise) RCV (packed): 21.35 dB (8.56%) Ok

Ok

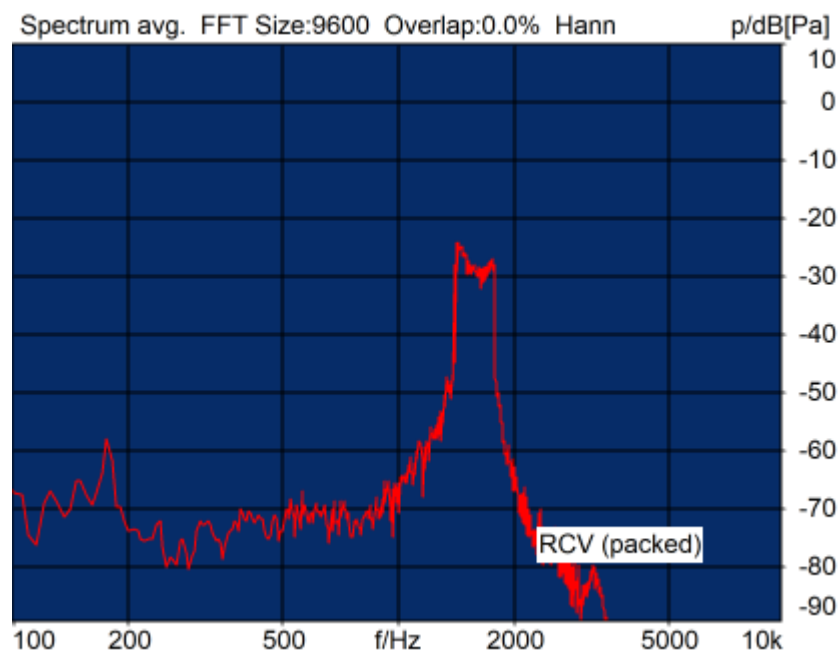
2026-07-08 01:46 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 1600 Hz 2N NB

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



Distortion (Noise) RCV (packed): 25.76 dB (5.15%) Ok

Ok

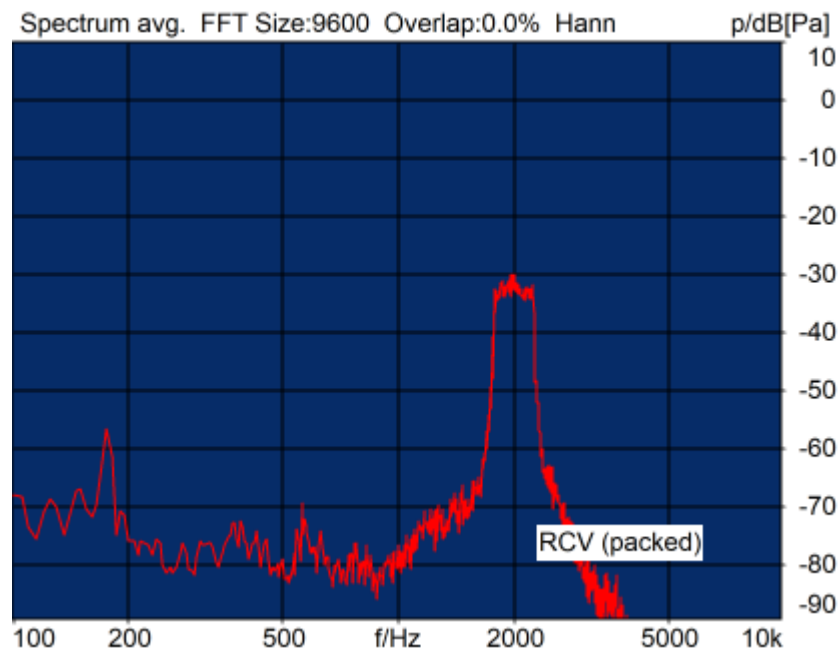
2026-07-08 01:46 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2000 Hz 2N NB

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



Distortion (Noise) RCV (packed): 24.95 dB (5.66%) Ok

Ok

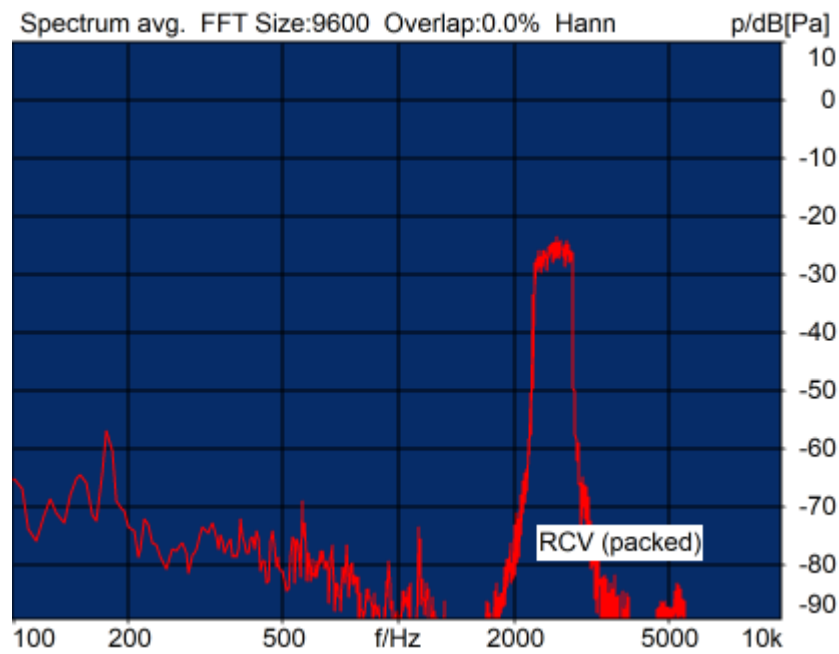
2026-07-08 01:47 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 2500 Hz 2N NB

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



Distortion (Noise) RCV (packed): 36.13 dB (1.56%) Ok

Ok

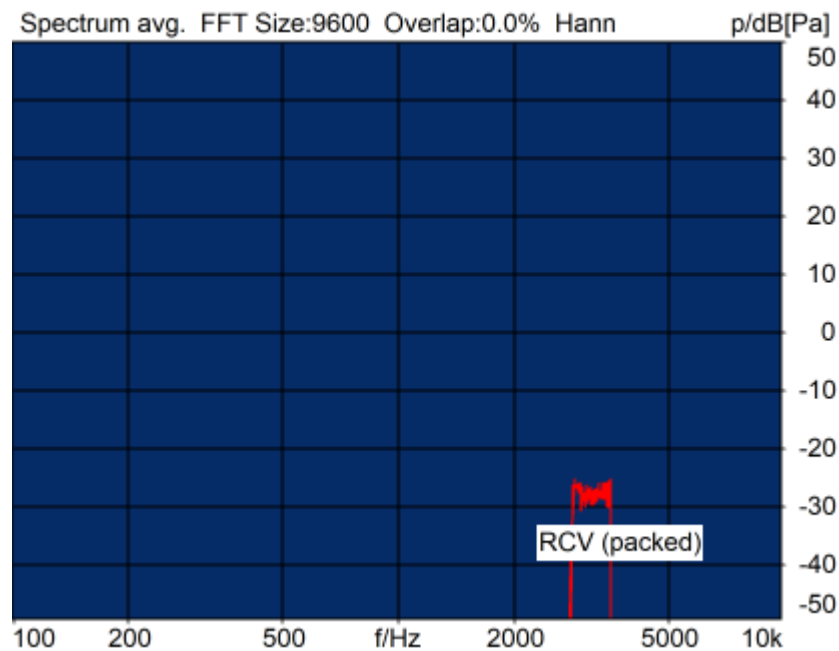
2026-07-08 01:47 ACQUA 6.2.210

Limits

lower
20.00 dB

5.2 RCV Distortion and Noise - 3150 Hz 2N NB

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



Distortion (Noise) RCV (packed): 36.64 dB (1.47%) Ok

Ok

2026-07-08 01:48 ACQUA 6.2.210

Limits

lower
20.00 dB

Report - Receive Distortion and Noise (Conversational Gain) 2N NB

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

Region	Frequency	SDNR
1	400Hz	30.77 dB
2	500Hz	30.46 dB
3	630Hz	26.30 dB
4	800Hz	27.66 dB
5	1000Hz	25.80 dB
6	1250Hz	21.35 dB
7	1600Hz	25.76 dB
8	2000Hz	24.95 dB
9	2500Hz	36.13 dB
10	3150Hz	36.64 dB

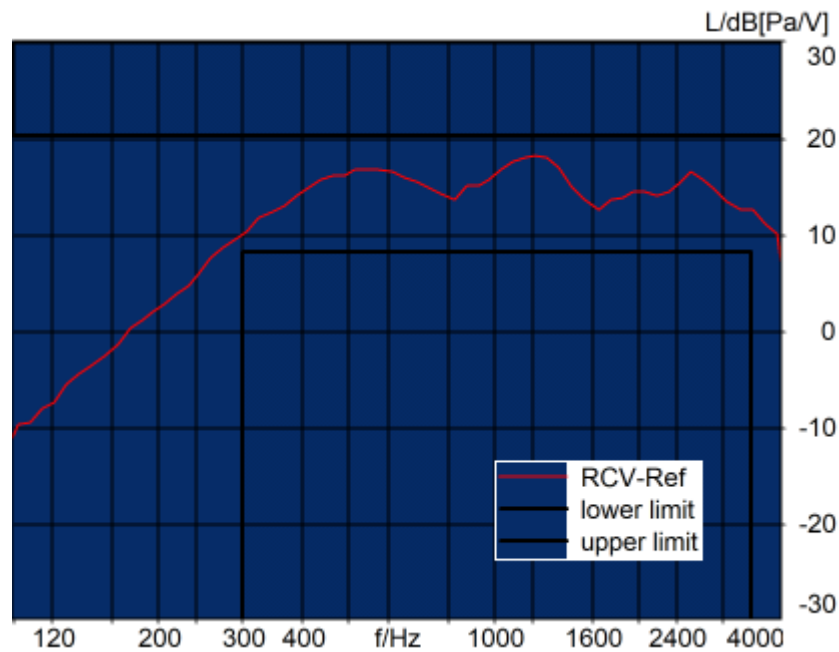
All SDNRs were greater than 20.0 dB, requirement was met.

Smallest SDNR was 21.35dB at 1250Hz.

2026-07-08 01:48 ACQUA

5.3 Frequency Response 8N FF HANB

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



Absolute minimal distance

2.06 dB at 1216.1 Hz Ok

Ok

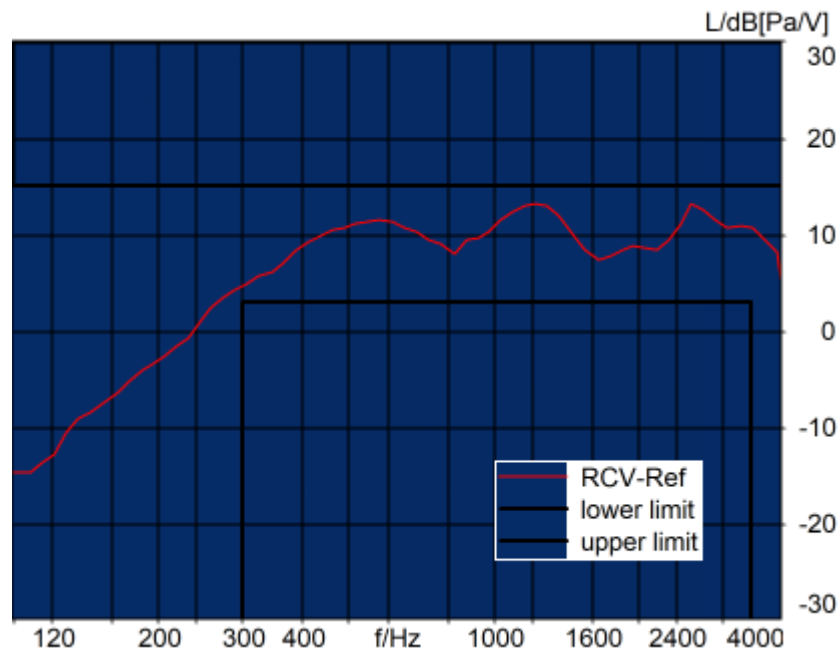
2026-07-08 01:39 ACQUA 6.2.210

Limits

lower
Fit into tolerance

5.3 Frequency Response 2N FF HANB

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



Absolute minimal distance

1.89 dB at 2571.8 Hz Ok

Ok

2026-07-08 01:48 ACQUA 6.2.210

Limits

lower
Fit into tolerance

Measurement Protocol

Measurement Object	GSM1900 AMR-WB 6.6kbps
--------------------	------------------------

Project	610603-18_Moto_Sydney_SKU11 NA B2B (PVT)
Report Generation Date	2026-07-08 ☐ ☐ 05:41
Responsible Person	ac01-hy

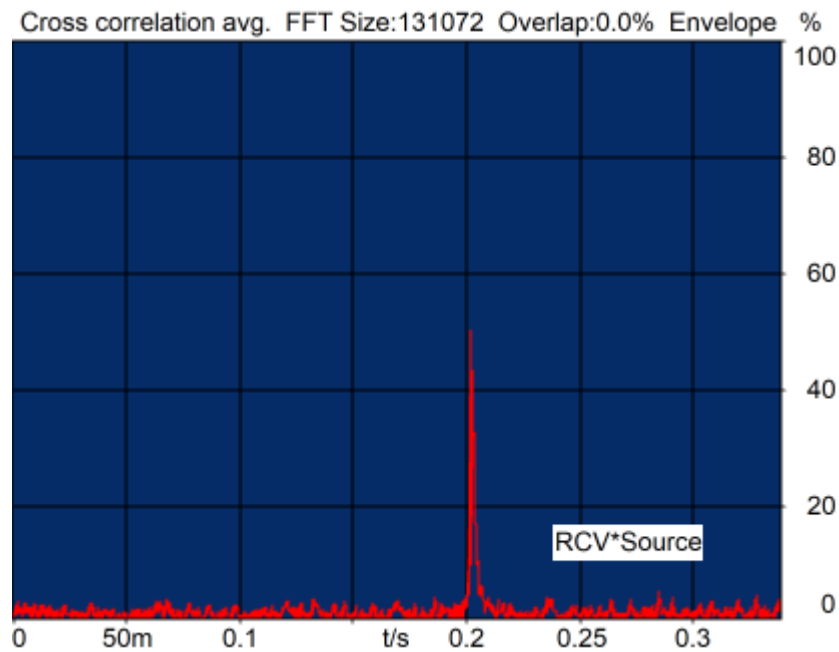
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	202.6	GSM1900 AMR-WB 6.6kbps
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	85.13	GSM1900 AMR-WB 6.6kbps
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	79.74	GSM1900 AMR-WB 6.6kbps

Overall Receive Delay WB	5
5.1a Receive Volume Control Performance 8N WB	6
5.1b Receive Volume Control Performance 2N WB	7

Overall Receive Delay WB

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

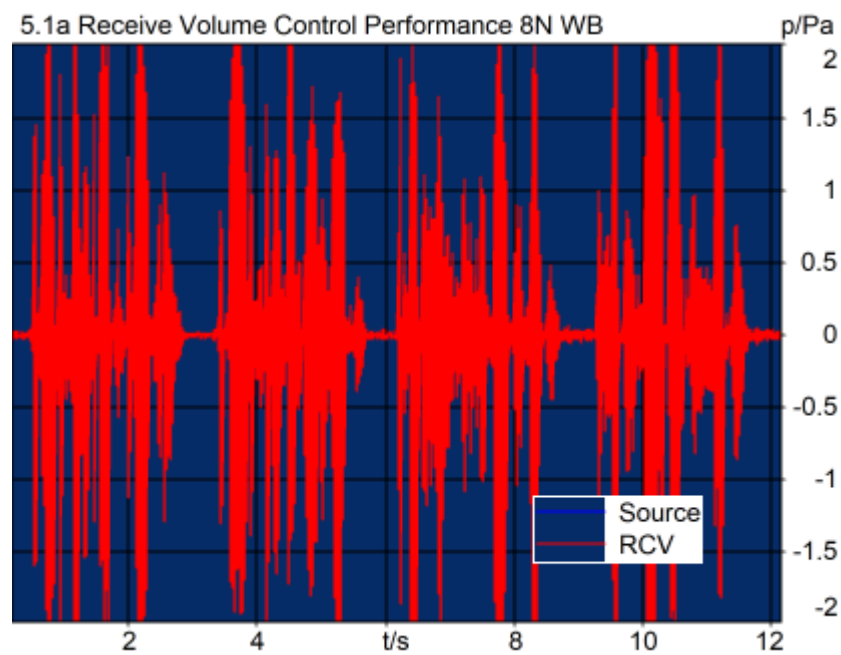


Channel	Delay	Correlation
RCV*Source	202.6 ms	50.27 %

2026-07-08 05:40 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	85.13 dB[SPL]	83.69%	Ok

Ok

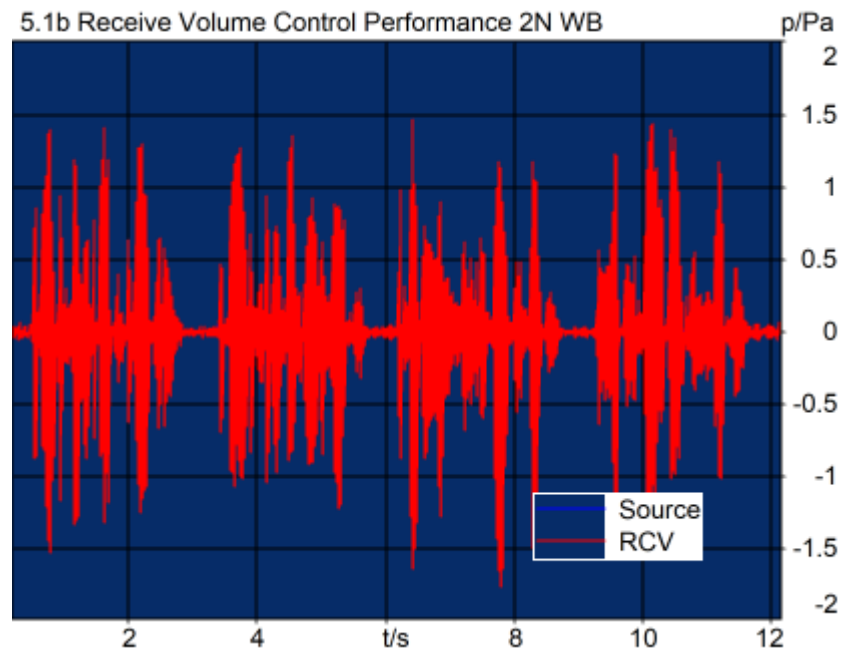
2026-07-08 05:40 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	79.74 dB[SPL]	83.75%	Ok

Ok

2026-07-08 05:41 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

Measurement Protocol

Measurement Object	WCDMA 5 AMR-WB 6.6kbps
--------------------	------------------------

Project	610603-18_Moto_Sydney_SKU11 NA B2B (PVT)
Report Generation Date	2026-07-08 ☐ ☐ 06:12
Responsible Person	ac01-hy

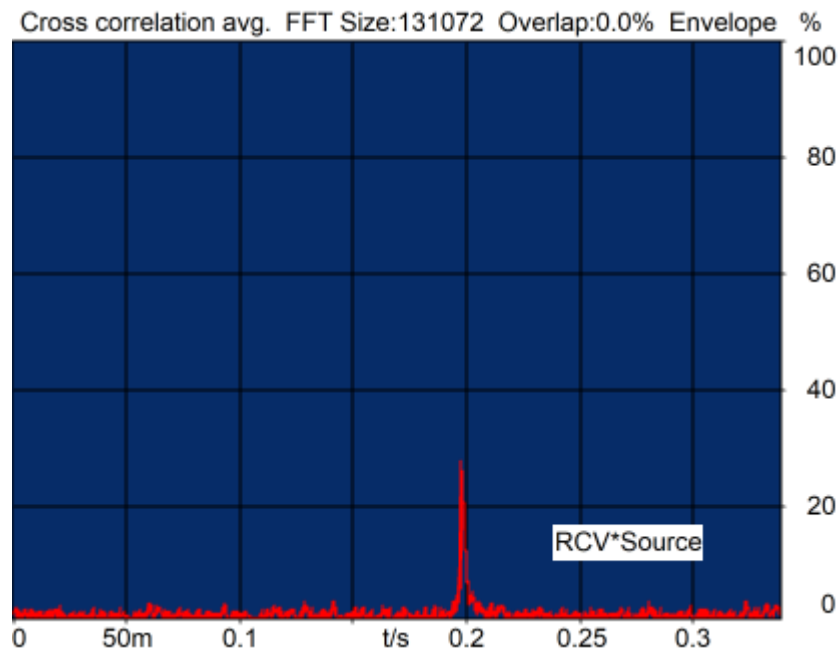
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	198.0	WCDMA 5 AMR-WB 6.6kbps
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	84.88	WCDMA 5 AMR-WB 6.6kbps
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	79.26	WCDMA 5 AMR-WB 6.6kbps

Overall Receive Delay WB	5
5.1a Receive Volume Control Performance 8N WB	6
5.1b Receive Volume Control Performance 2N WB	7

Overall Receive Delay WB

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

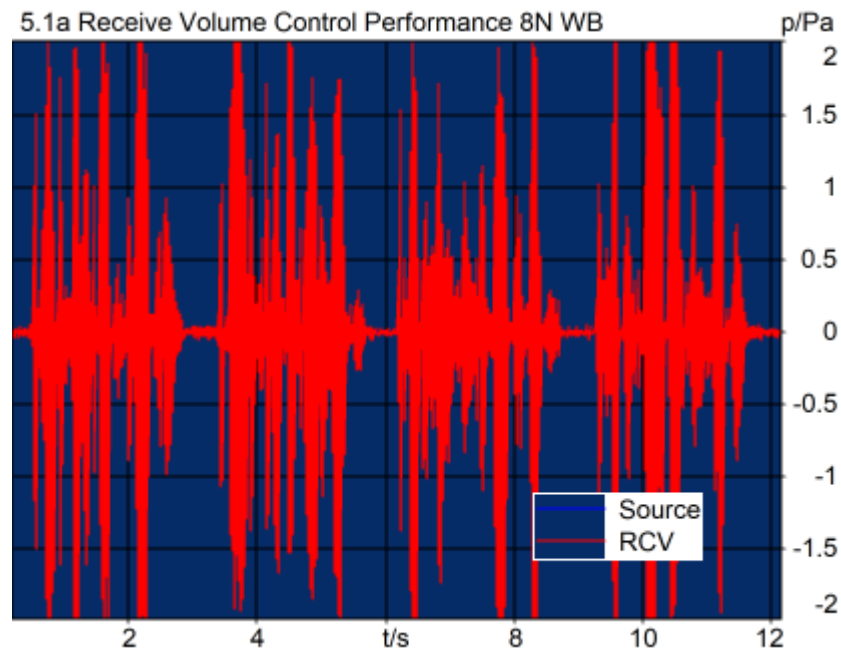


Channel	Delay	Correlation
RCV*Source	198.0 ms	27.98 %

2026-07-08 06:08 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	84.88 dB[SPL]	80.57%	Ok

Ok

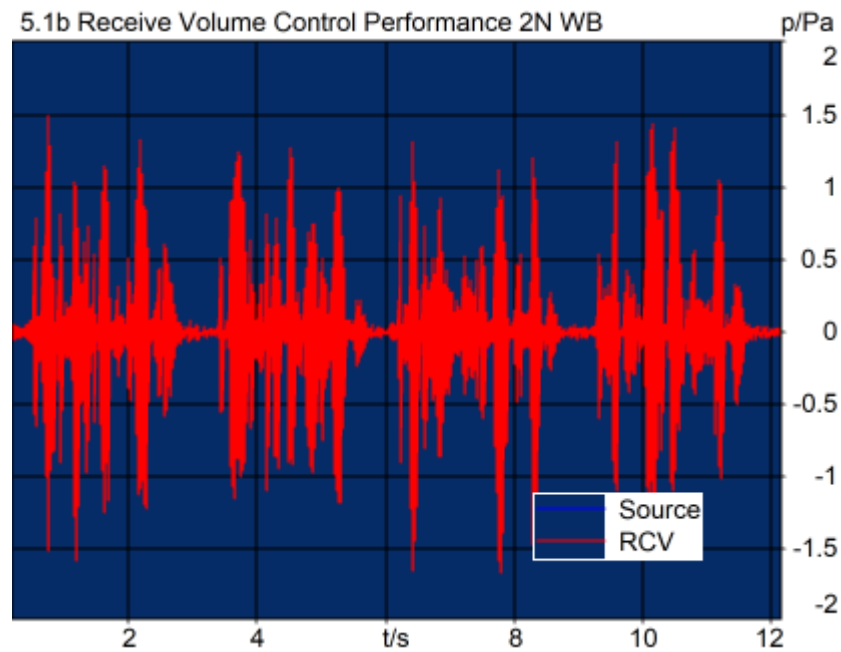
2026-07-08 06:11 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	79.26 dB[SPL]	83.41%	Ok

Ok

2026-07-08 06:09 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

Measurement Protocol

Measurement Object	LTE 48 20M QPSK EVS-WB 5.9 kbps_#21
--------------------	-------------------------------------

Project	610603-18_Moto_Sydney_SKU11 NB B2B (PVT)_2
Report Generation Date	2026-08-29 ☐ ☐ 01:53
Responsible Person	ac01-hy

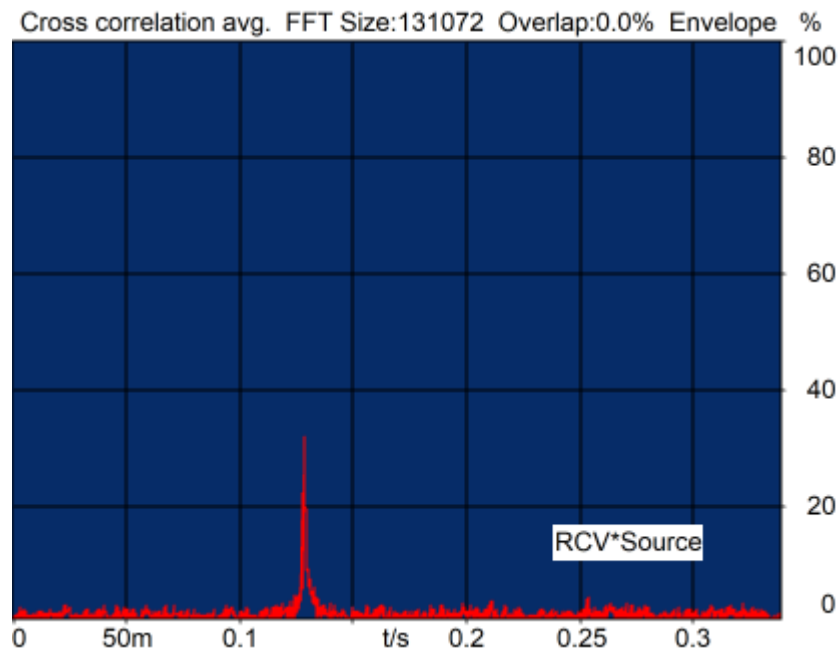
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	128.5	LTE 48 20M QPSK EVS-WB 5.9 kbps_#21
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	84.45	LTE 48 20M QPSK EVS-WB 5.9 kbps_#21
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	79.05	LTE 48 20M QPSK EVS-WB 5.9 kbps_#21

Overall Receive Delay WB	5
5.1a Receive Volume Control Performance 8N WB	6
5.1b Receive Volume Control Performance 2N WB	7

Overall Receive Delay WB

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

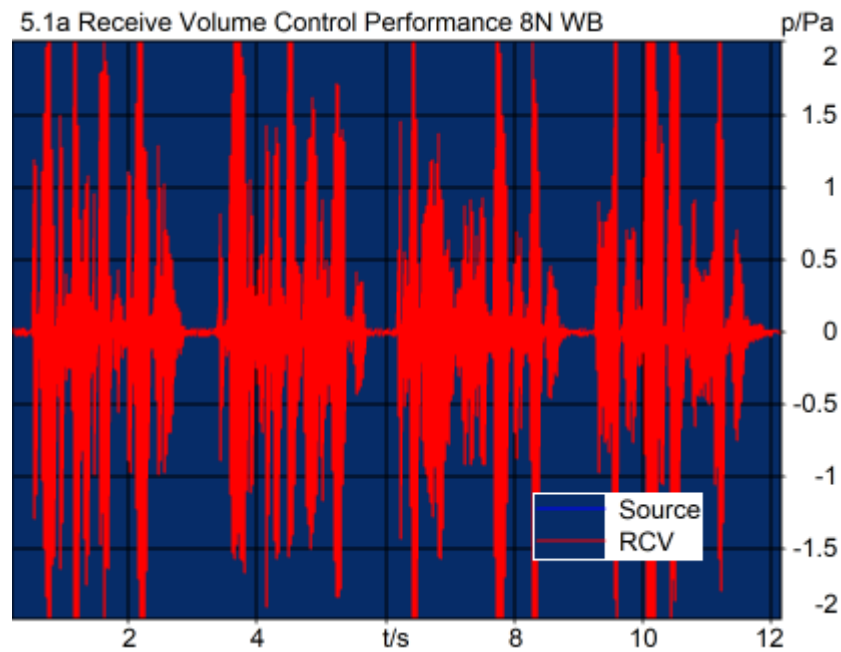


Channel	Delay	Correlation
RCV*Source	128.5 ms	31.91 %

2026-08-29 01:49 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	84.45 dB[SPL]	83.77%	Ok

Ok

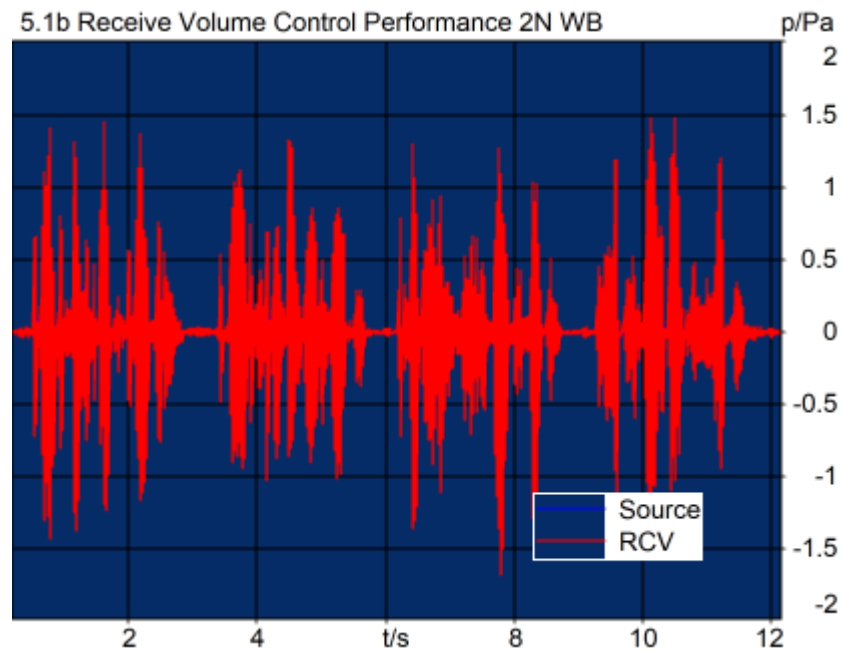
2026-08-29 01:50 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	79.05 dB[SPL]	83.99%	Ok

Ok

2026-08-29 01:52 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

Measurement Protocol

Measurement Object	N26 20M BPSK EVS-WB 5.9kbps
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Project	610603-18_Moto_Sydney_SKU11 NA B2B (PVT)
Report Generation Date	2026-07-07 ☐ ☐ 11:31
Responsible Person	ac01-hy

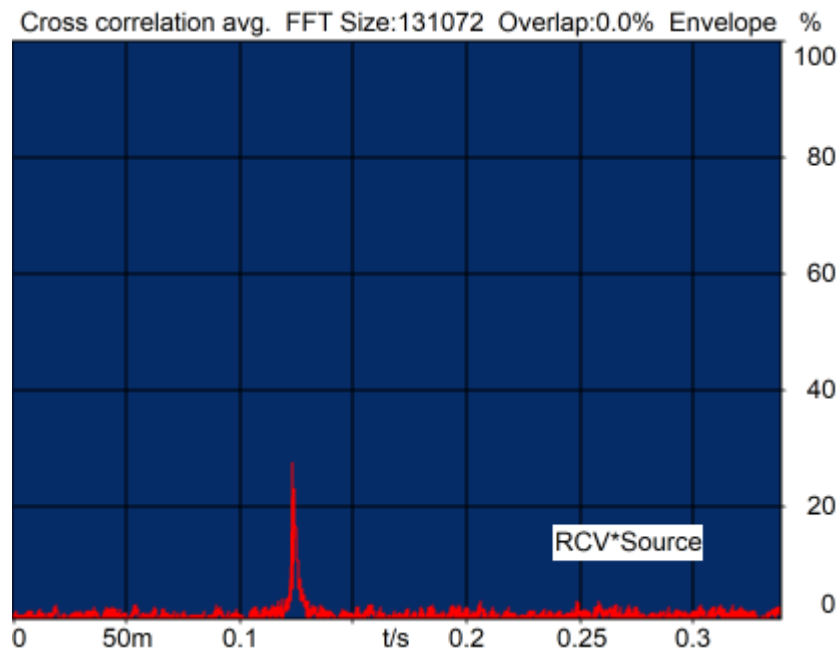
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	123.6	N26 20M BPSK EVS-WB 5.9kbps
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	84.70	N26 20M BPSK EVS-WB 5.9kbps
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	79.03	N26 20M BPSK EVS-WB 5.9kbps

Overall Receive Delay WB	5
5.1a Receive Volume Control Performance 8N WB	6
5.1b Receive Volume Control Performance 2N WB	7

Overall Receive Delay WB

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

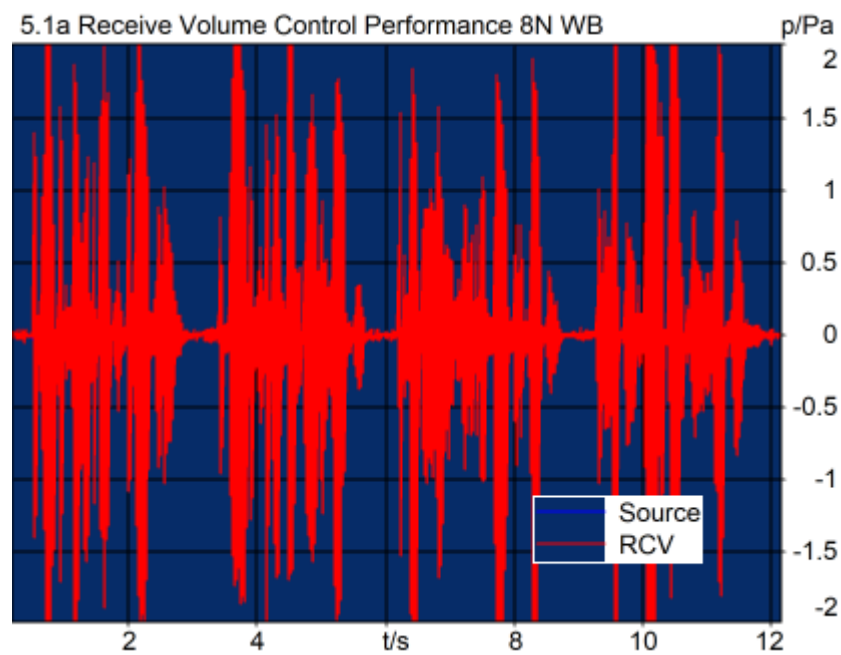


Channel	Delay	Correlation
RCV*Source	123.6 ms	27.54 %

2026-07-07 11:30 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	84.70 dB[SPL]	81.89%	Ok

Ok

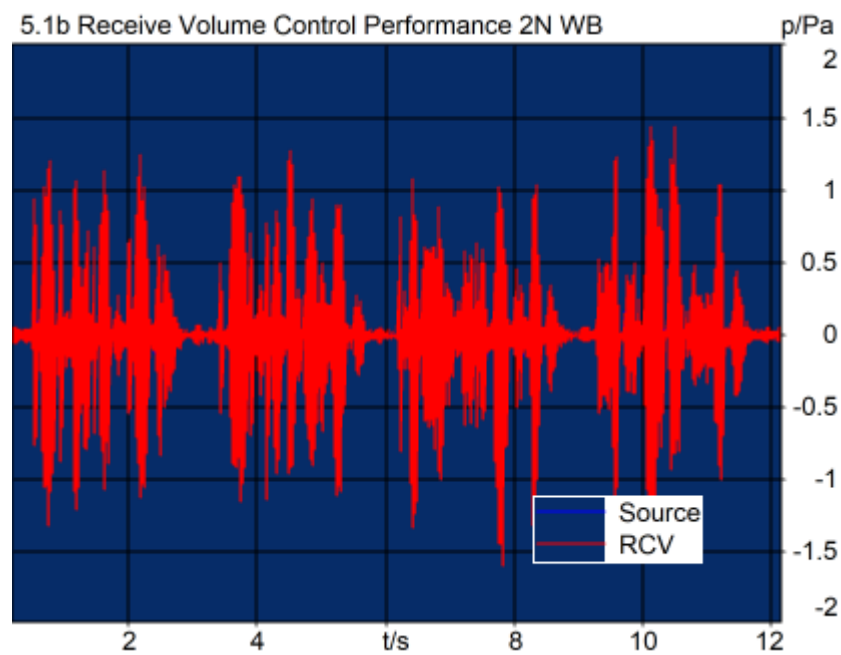
2026-07-07 11:31 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	79.03 dB[SPL]	84.19%	Ok

Ok

2026-07-07 11:30 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

Measurement Protocol

Measurement Object	WIFI2.4G 802.11b 1M 6 EVS-WB 5.9 kbps
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Project	610603-18_Moto_Sydney_SKU11 NA B2B (PVT)
Report Generation Date	2026-07-07 ☐ ☐ 01:40
Responsible Person	ac01-hy

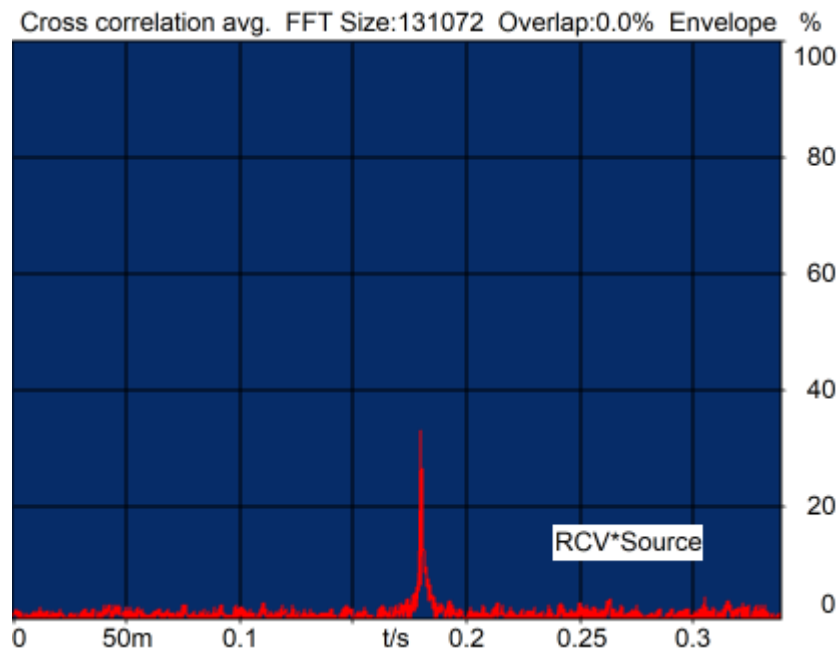
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	180.2	WIFI2.4G 802.11b 1M 6 EVS-WB 5.9 kbps
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	84.36	WIFI2.4G 802.11b 1M 6 EVS-WB 5.9 kbps
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	79.19	WIFI2.4G 802.11b 1M 6 EVS-WB 5.9 kbps

Overall Receive Delay WB	5
5.1a Receive Volume Control Performance 8N WB	6
5.1b Receive Volume Control Performance 2N WB	7

Overall Receive Delay WB

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

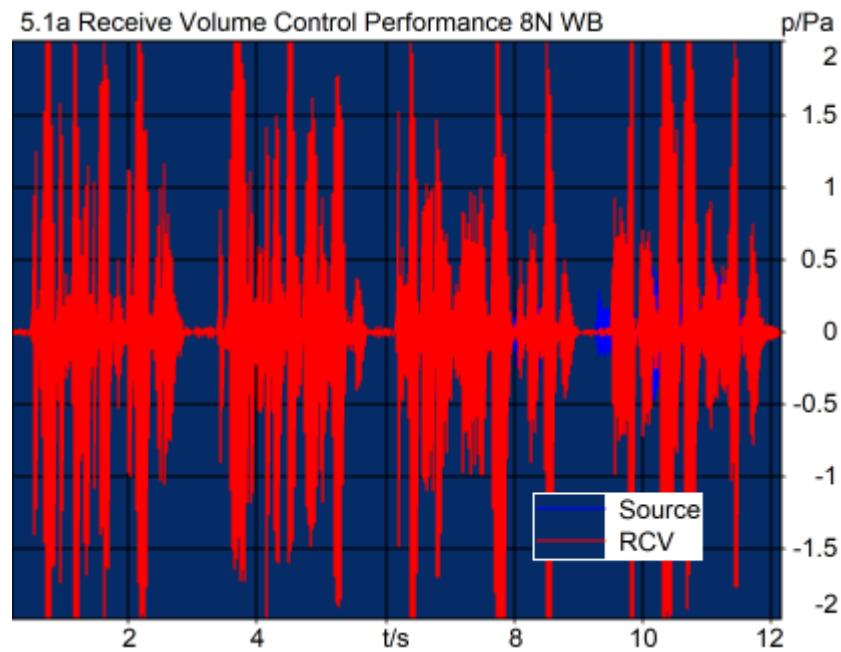


Channel	Delay	Correlation
RCV*Source	180.2 ms	33.09 %

2026-07-07 01:38 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	84.36 dB[SPL]	85.86%	Ok

Ok

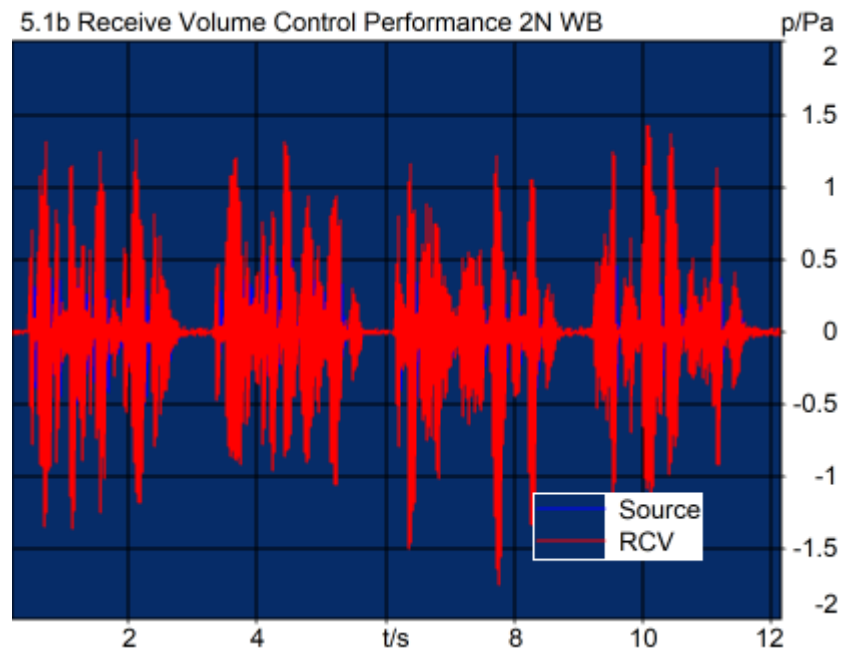
2026-07-07 01:39 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	79.19 dB[SPL]	83.99%	Ok

Ok

2026-07-07 01:40 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

Measurement Protocol

Measurement Object	WIFI5G 802.11a 6M 40 EVS-WB 5.9kbps
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Project	610603-18_Moto_Sydney_SKU11 NA B2B (PVT)
Report Generation Date	2026-07-08 ☐ ☐ 09:33
Responsible Person	ac01-hy

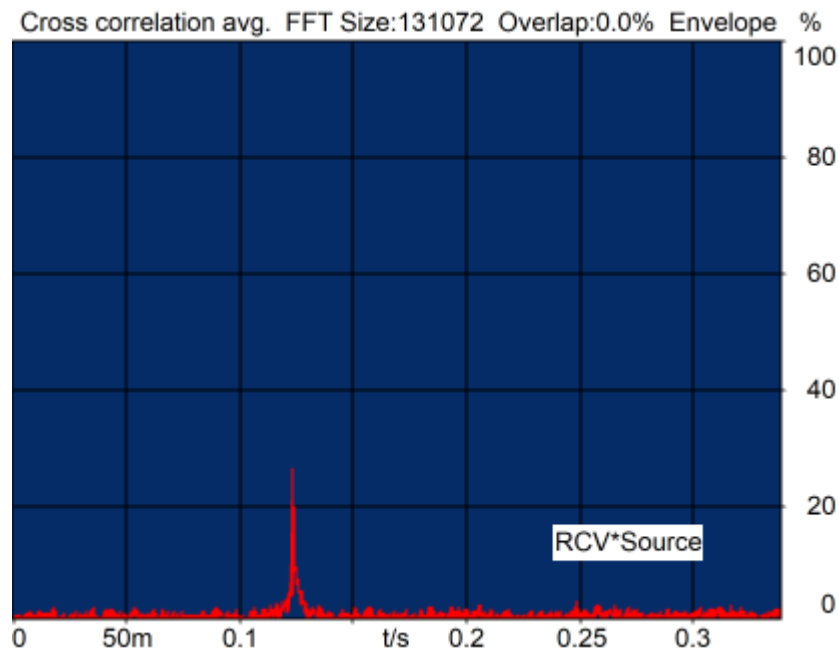
Status Overview

SMD	Status	Single Value Description	Single Value	Object
Overall Receive Delay WB	Done	Delay (Cross) [ms]	123.3	WIFI5G 802.11a 6M 40 EVS-WB 5.9kbps
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	84.39	WIFI5G 802.11a 6M 40 EVS-WB 5.9kbps
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	79.05	WIFI5G 802.11a 6M 40 EVS-WB 5.9kbps

Overall Receive Delay WB	5
5.1a Receive Volume Control Performance 8N WB	6
5.1b Receive Volume Control Performance 2N WB	7

Overall Receive Delay WB

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

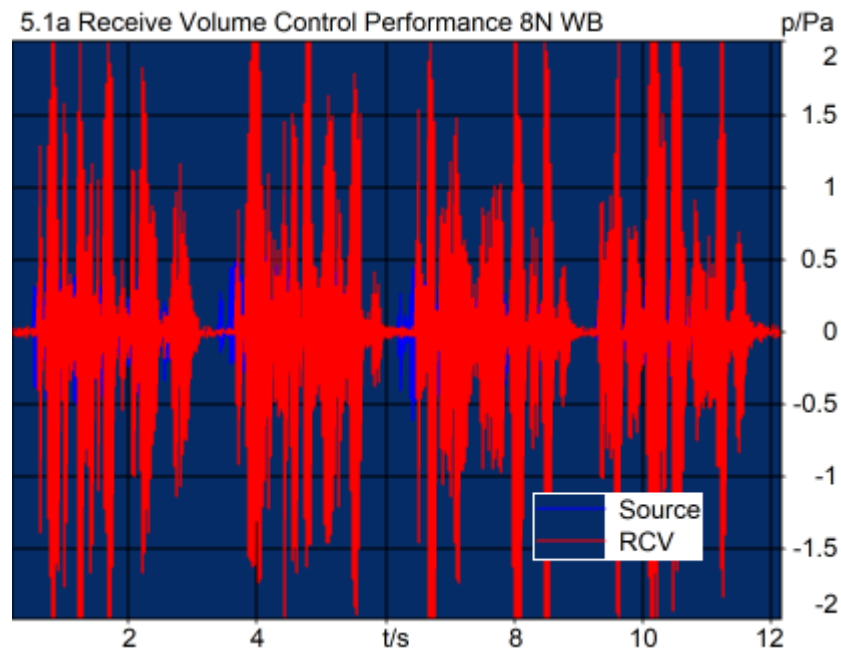


Channel	Delay	Correlation
RCV*Source	123.3 ms	26.31 %

2026-07-08 09:31 ACQUA 6.2.210

5.1a Receive Volume Control Performance 8N WB

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



Channel	Speech level	Activity	
RCV	84.39 dB[SPL]	84.55%	Ok

Ok

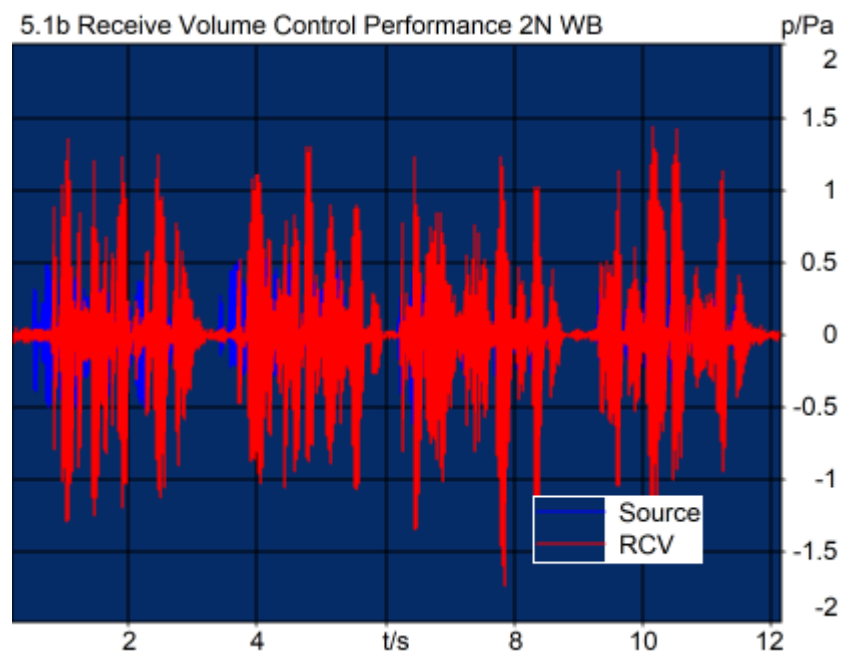
2026-07-08 09:32 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]

5.1b Receive Volume Control Performance 2N WB

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



Channel	Speech level	Activity	
RCV	79.05 dB[SPL]	83.58%	Ok

Ok

2026-07-08 09:31 ACQUA 6.2.210

Limits

lower
76.00 dB[SPL]