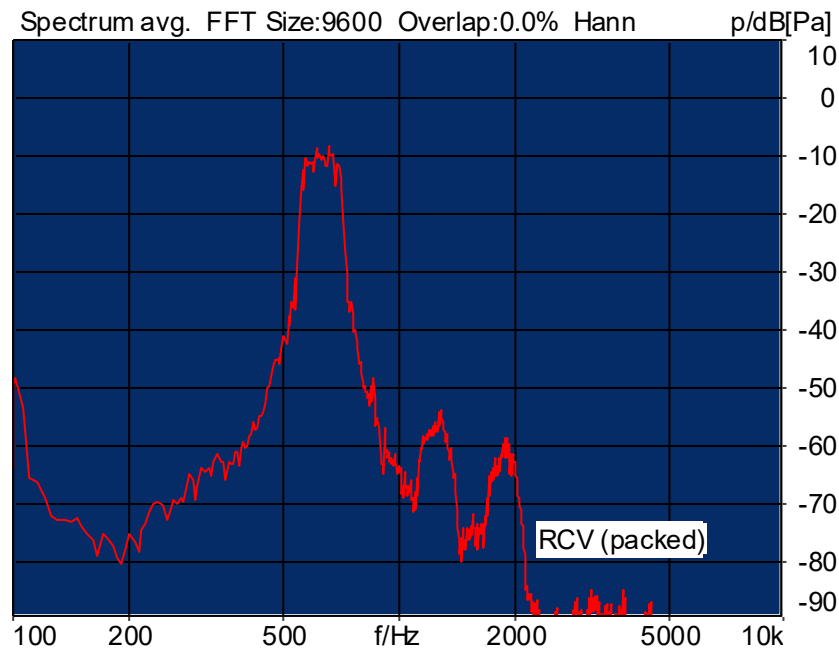


5.2 RCV Distortion and Noise - 630 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N
EVS-NB-5.9



Distortion (Noise) RCV (packed): 32.74 dB (2.31%) Ok

Ok

2026/6/1 11:54 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVNB10_630Hz

Hardware Config Settings

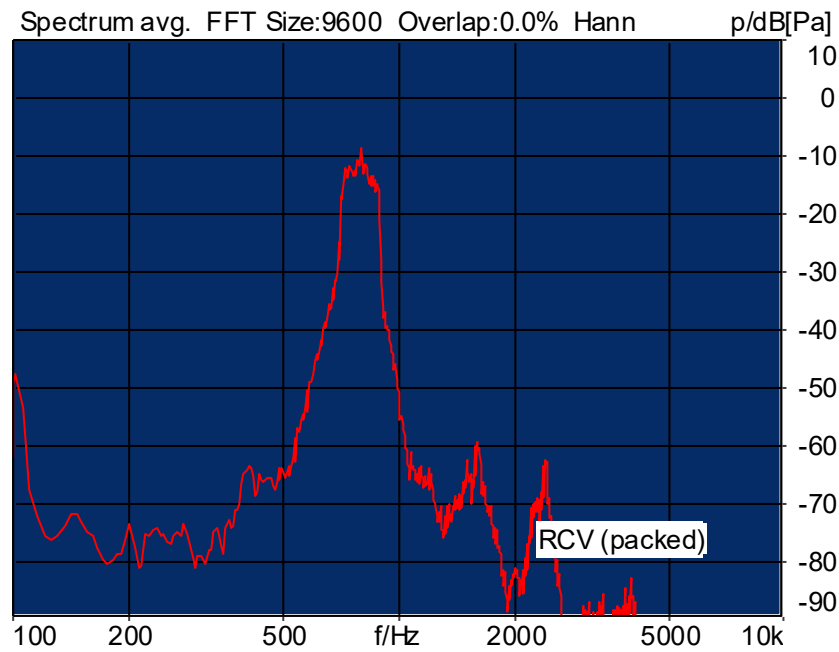
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N
EVS-NB-5.9



Distortion (Noise) RCV (packed): 30.61 dB (2.95%) Ok

Ok

2026/6/1 11:55 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_800hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVNB10_800Hz

Hardware Config Settings

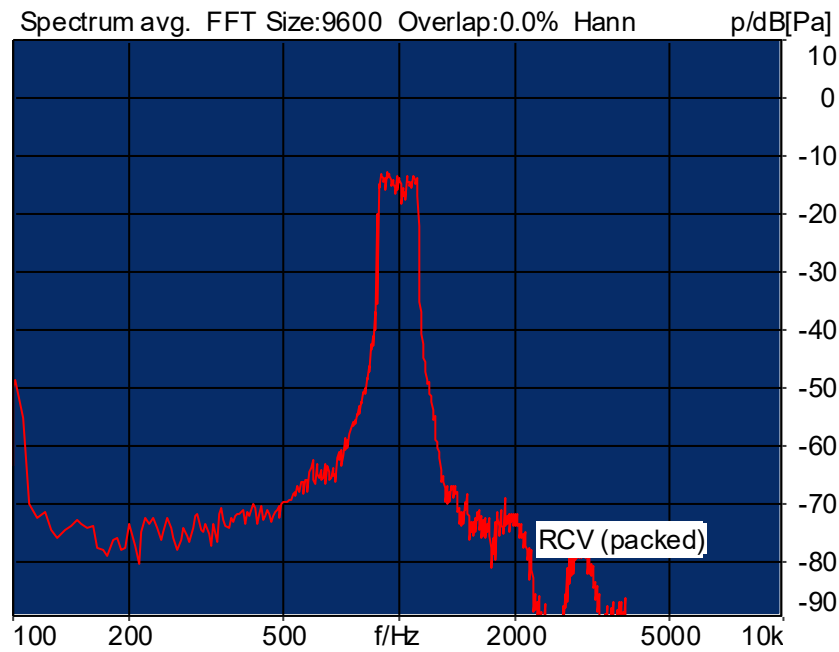
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N
EVS-NB-5.9



Distortion (Noise) RCV (packed): 36.21 dB (1.55%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVNB10_1000Hz

Hardware Config Settings

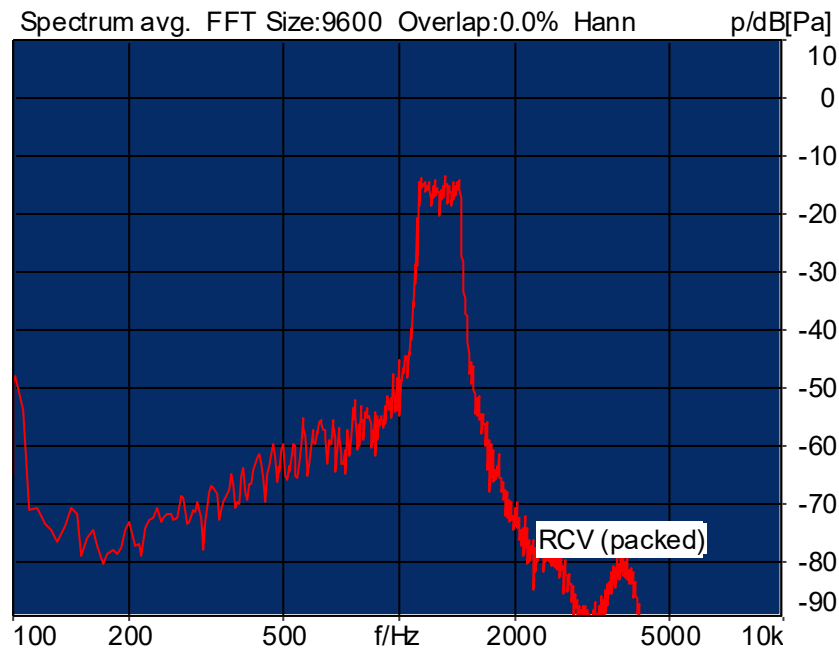
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N
EVS-NB-5.9



Distortion (Noise) RCV (packed): 22.92 dB (7.14%) Ok

Ok

2026/6/1 11:55 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVNB10_1250Hz

Hardware Config Settings

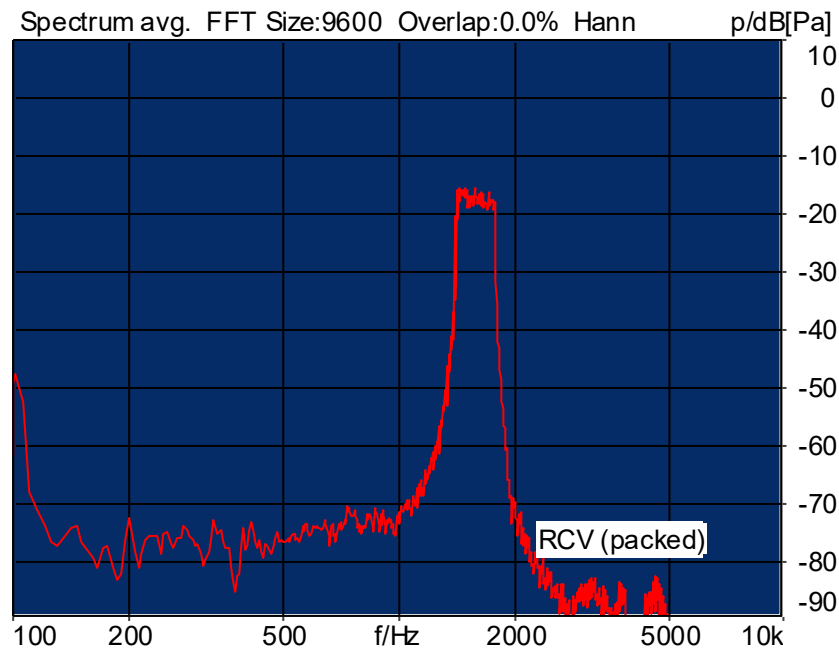
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N
EVS-NB-5.9



Distortion (Noise) RCV (packed): 34.41 dB (1.90%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVNB10_1600Hz

Hardware Config Settings

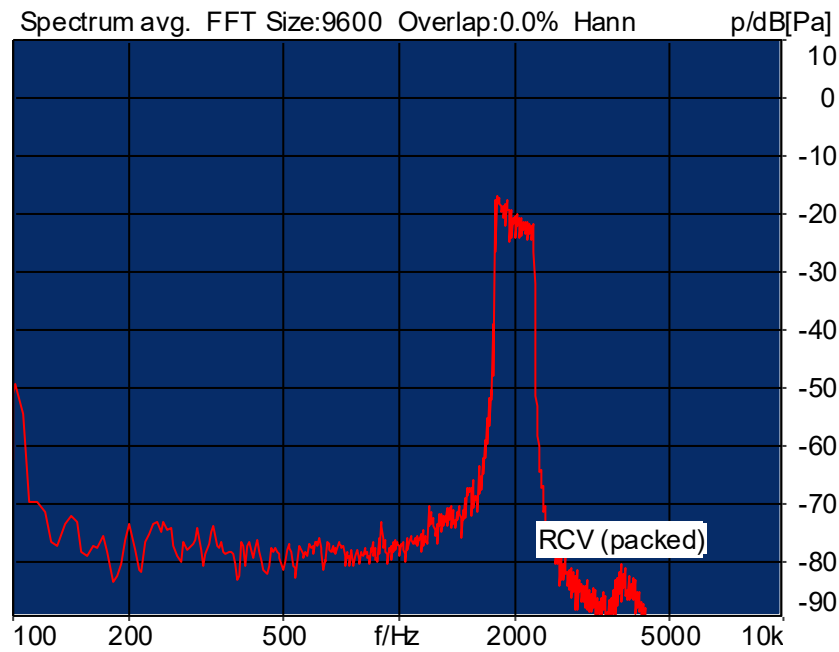
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N
EVS-NB-5.9



Distortion (Noise) RCV (packed): 39.11 dB (1.11%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVNB10_2000Hz

Hardware Config Settings

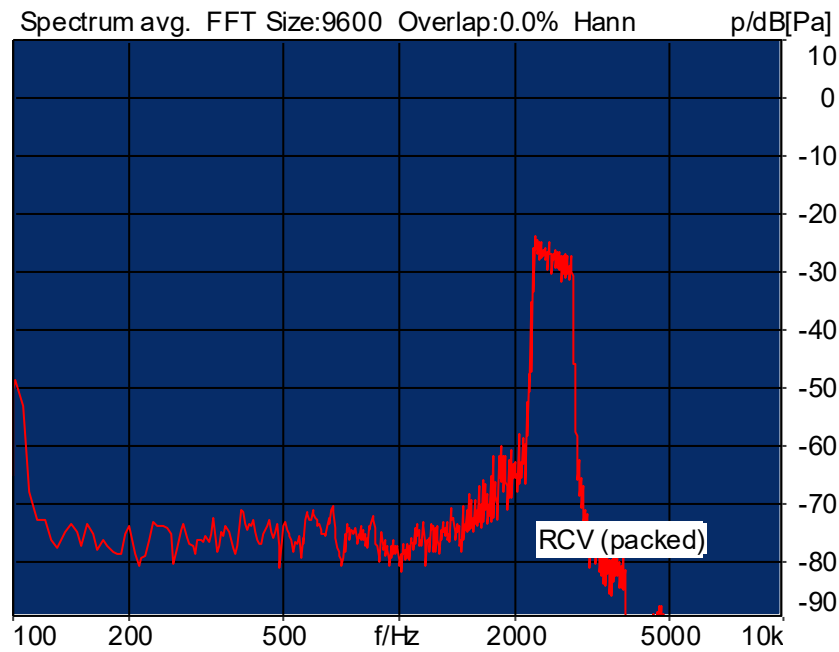
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N
EVS-NB-5.9



Distortion (Noise) RCV (packed): 29.38 dB (3.40%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVNB10_2500Hz

Hardware Config Settings

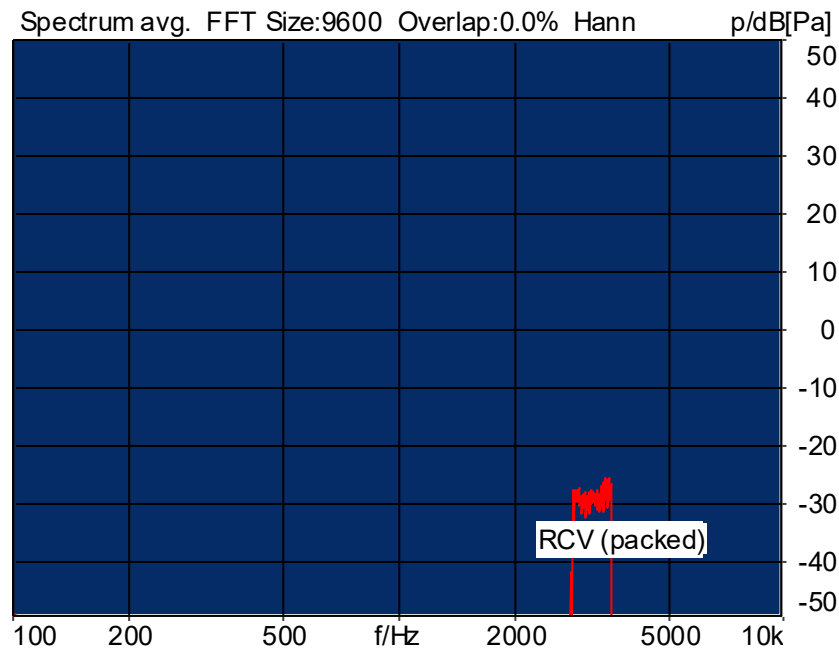
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz NB

TIA-5050 (2018-01) \ Measurements \ Narrowband \ 5.2 Receive Distortion and Noise 8N
EVS-NB-5.9



Distortion (Noise) RCV (packed): 35.55 dB (1.67%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)
Channels	2
Store to variable	RCVNB10_3150Hz

Hardware Config Settings

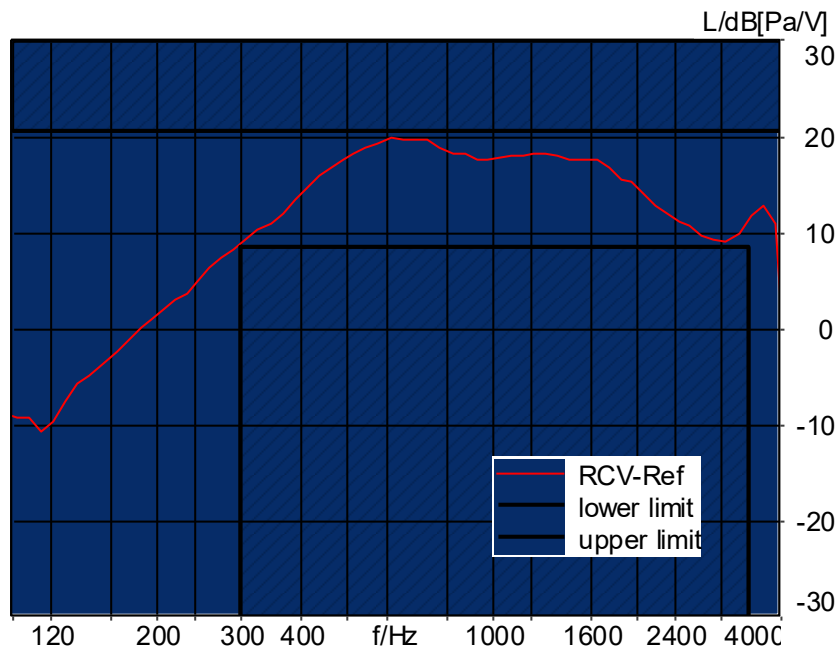
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 8N FF HANB

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



Absolute minimal distance

0.66 dB at 611.7 Hz Ok

Ok

2026/6/23 12:51 ACQUA 6.2.100

Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Source: respmaleieee269_nb_r16.dat

Level adjustment Channel 1 Gain -90.00 dB

Level adjustment Channel 2 Gain -4.00 dB

NARROWBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -16 dBm0, margin 15.9 dB +

Pause till end of file

Signal level (ch1): -16 dBm0 Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the end of the file.

filtered with 4.0 kHz low-pass filter

signal level changed

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hanb.fft		
Tol. scheme file	521_rcv_frq_man_hanb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	4000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay 168.3000 ms (D_RCV_NB, Delay (Cross) RCV*Source)
Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(35#)

Measurement Object	Ti-CC26050303-WiFi5.2G
--------------------	------------------------

Status Overview

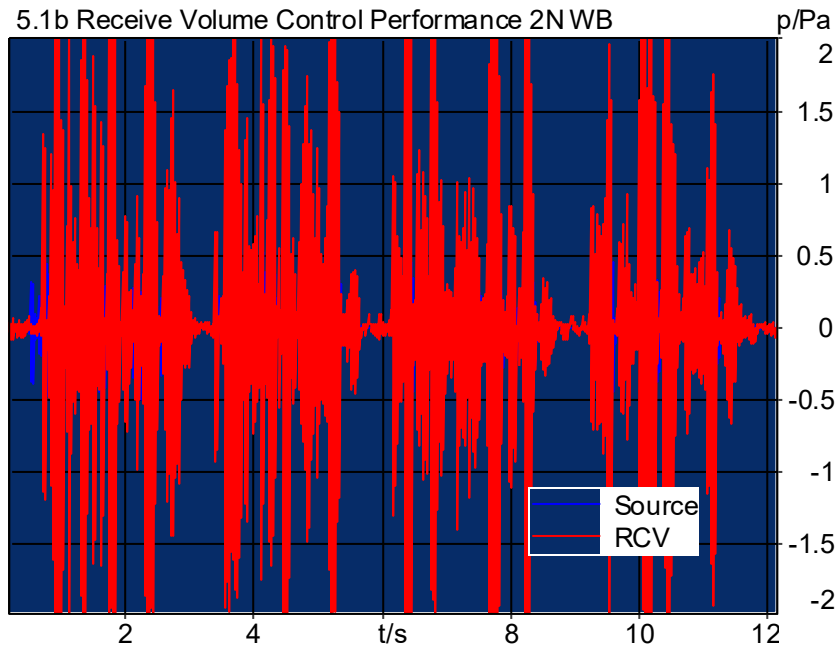
SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.36	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.97	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.02	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.95	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.78	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.66	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.57	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.97	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.03	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.97	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.62	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.51	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.04	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.09	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.49	Ti-CC26050303-WiFi5.2G
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4620.1 Hz	1.11	Ti-CC26050303-WiFi5.2G

5.1b Receive Volume Control Performance 2N WB

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

EVS-WB-24.4

5.1b Receive Volume Control Performance 2N WB



Channel	Speech level	Activity	
RCV	85.36 dB[SPL]	84.23%	Ok

Ok

2026/6/8 11:10 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms
Bandpass filter Super Wideband
Range length 12000.00 ms
Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fff

Special Features

Show source signal Source ch.2

Compensate delay 193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

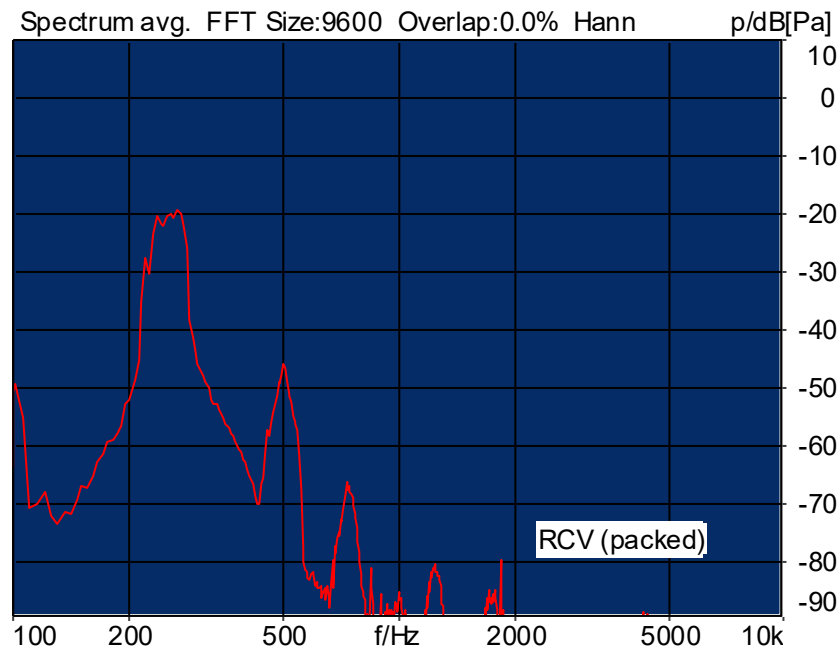
Input Ch.2

Line

Microphone

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



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

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_250hz_sr20dbm0_v02.dat.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	190.0 Hz	Stimulus max.	315.0 Hz
Analysis min.	20.0 Hz	Analysis max.	185.0 Hz
Analysis (2) min.	320.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_250Hz

Hardware Config Settings

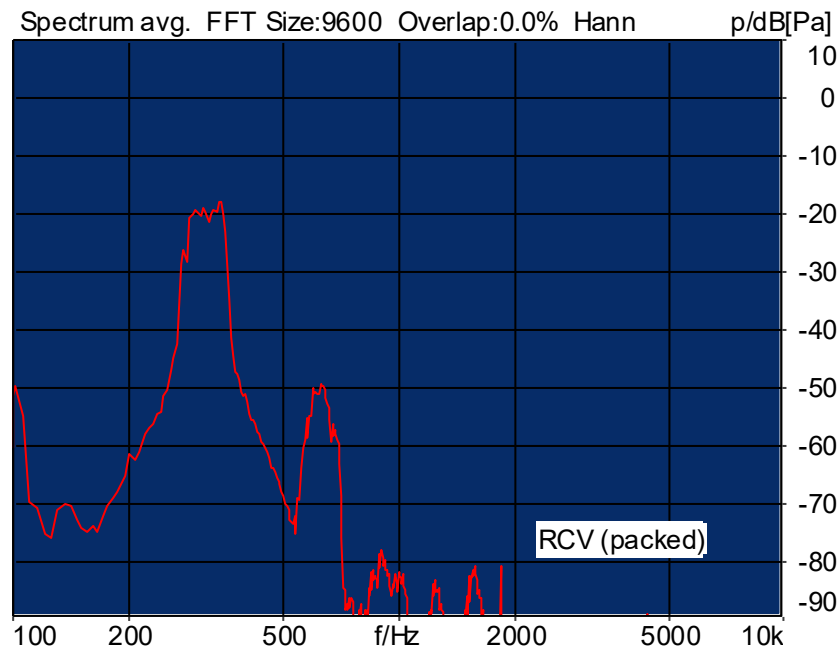
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 32.02 dB (2.51%) Ok

Ok

2026/6/8 11:11 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_315hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	245.0 Hz	Stimulus max.	390.0 Hz
Analysis min.	20.0 Hz	Analysis max.	240.0 Hz
Analysis (2) min.	395.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_315Hz

Hardware Config Settings

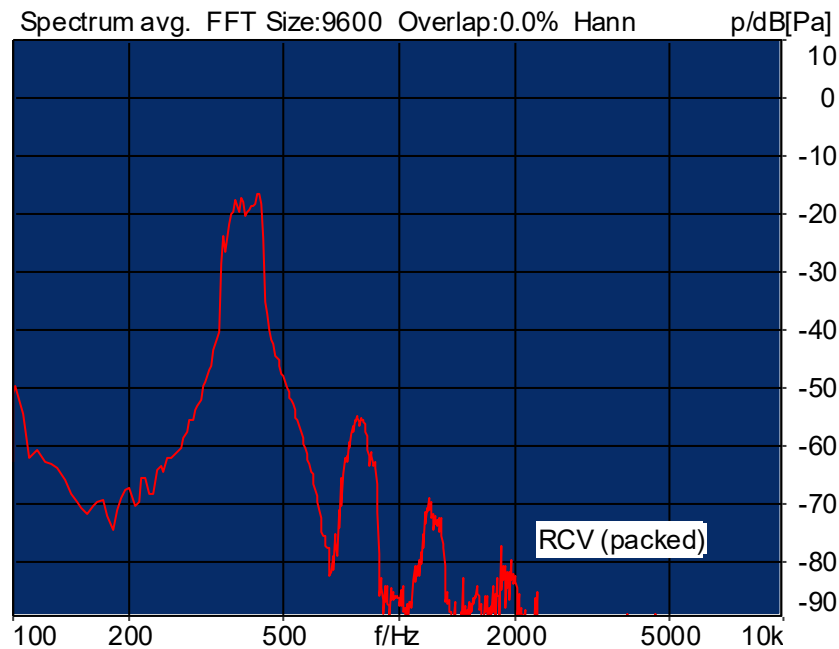
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 32.95 dB (2.25%) Ok

Ok

2026/6/8 11:11 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_400hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	320.0 Hz	Stimulus max.	480.0 Hz
Analysis min.	20.0 Hz	Analysis max.	315.0 Hz
Analysis (2) min.	485.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_400Hz

Hardware Config Settings

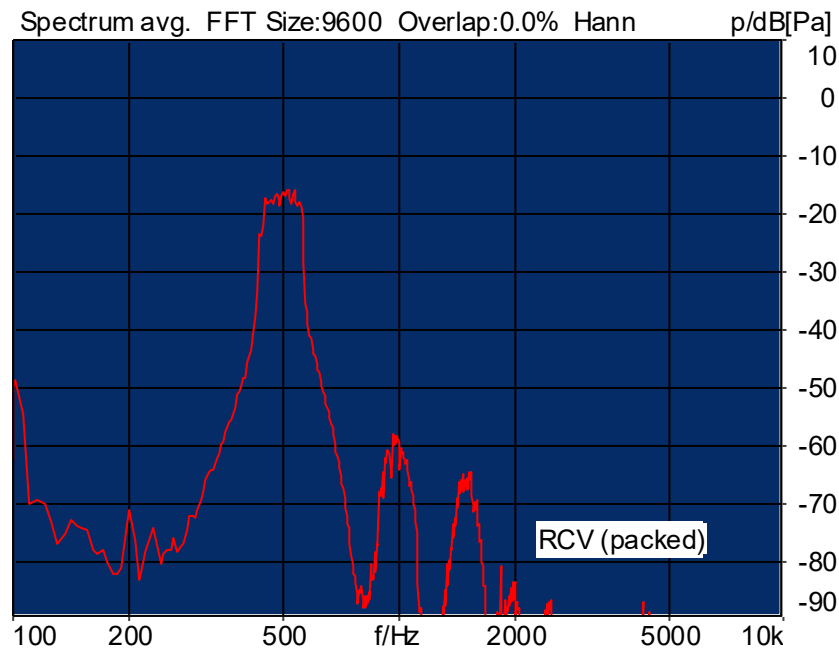
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 33.78 dB (2.05%) Ok

Ok

2026/6/8 11:11 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_500hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	410.0 Hz	Stimulus max.	595.0 Hz
Analysis min.	20.0 Hz	Analysis max.	405.0 Hz
Analysis (2) min.	600.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_500Hz

Hardware Config Settings

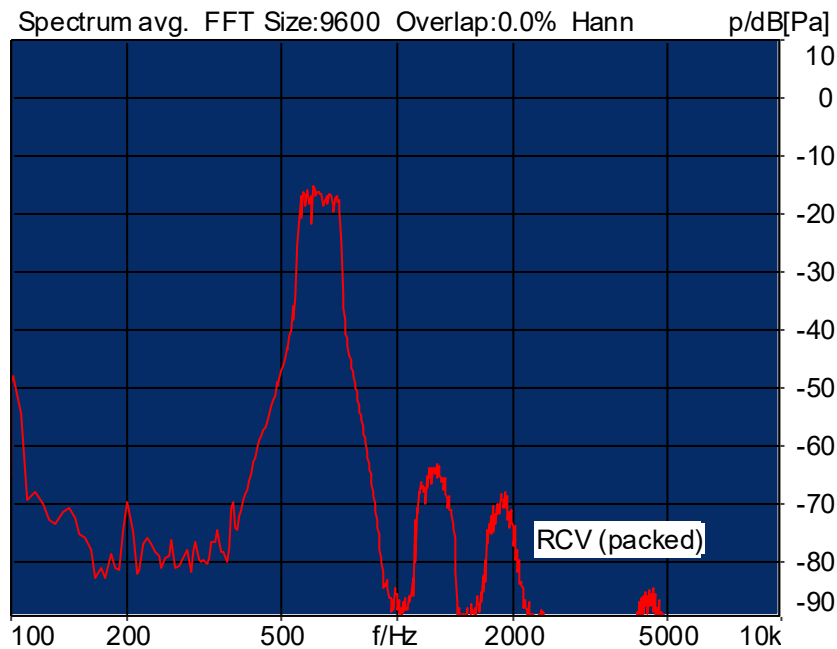
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 33.66 dB (2.07%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_630Hz

Hardware Config Settings

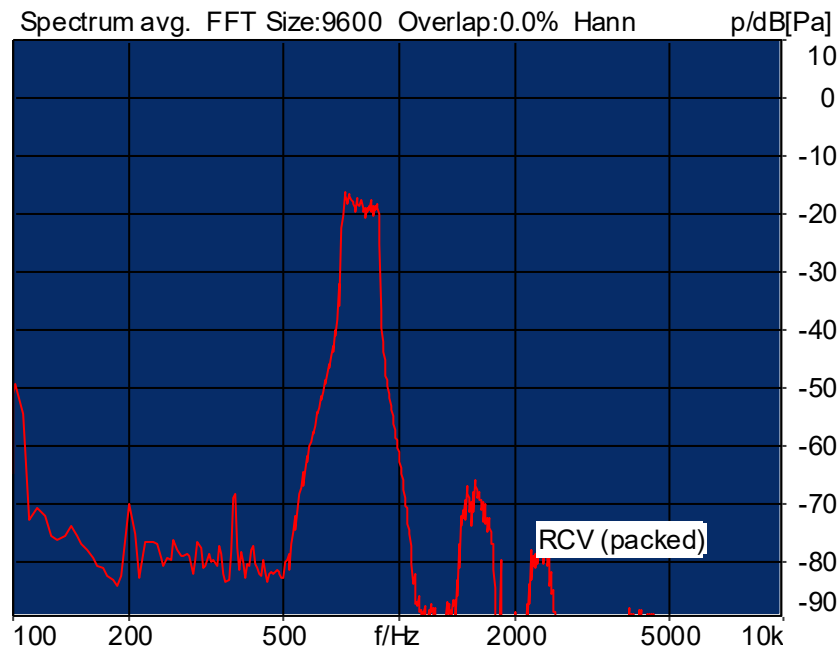
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 34.57 dB (1.87%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_800hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_800Hz

Hardware Config Settings

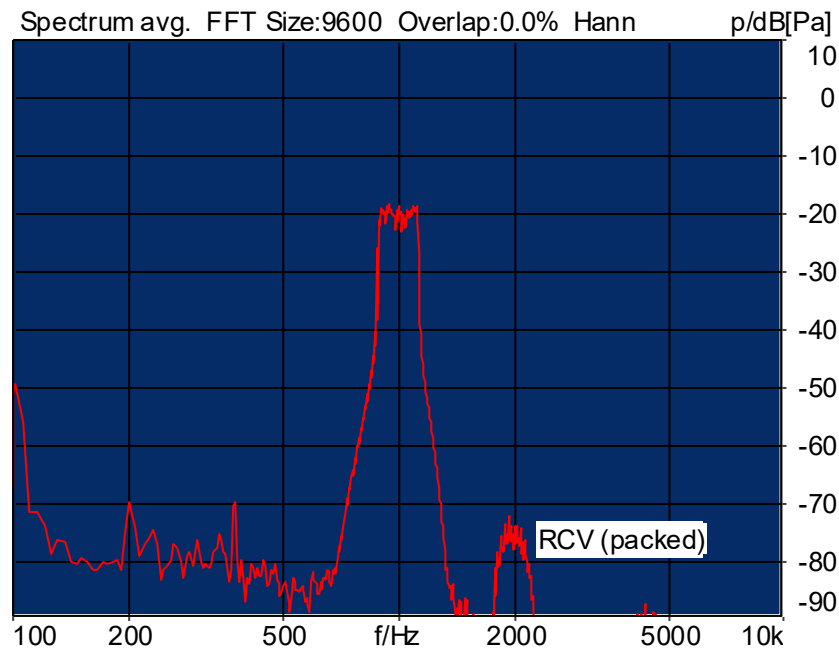
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 34.97 dB (1.79%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1000Hz

Hardware Config Settings

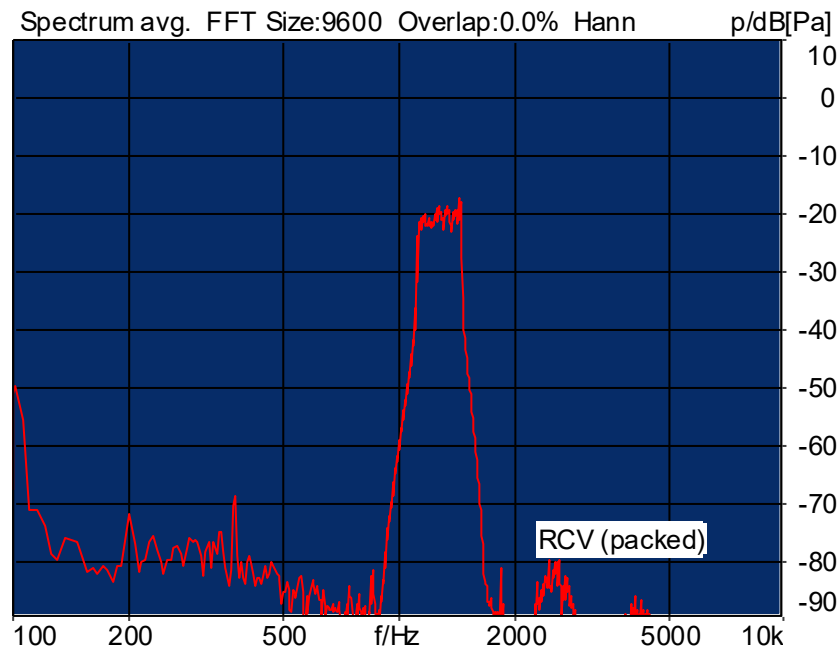
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



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

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1250Hz

Hardware Config Settings

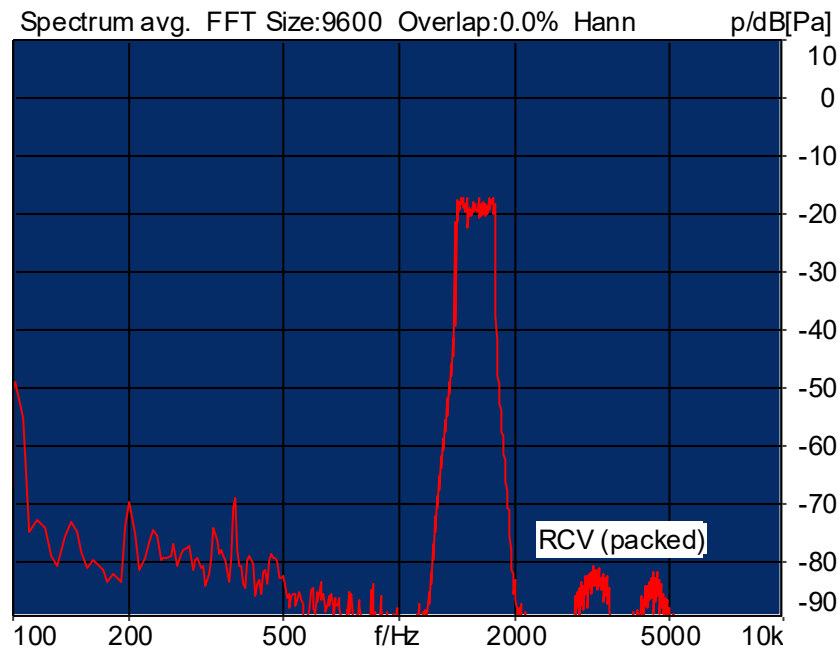
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 37.97 dB (1.26%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1600Hz

Hardware Config Settings

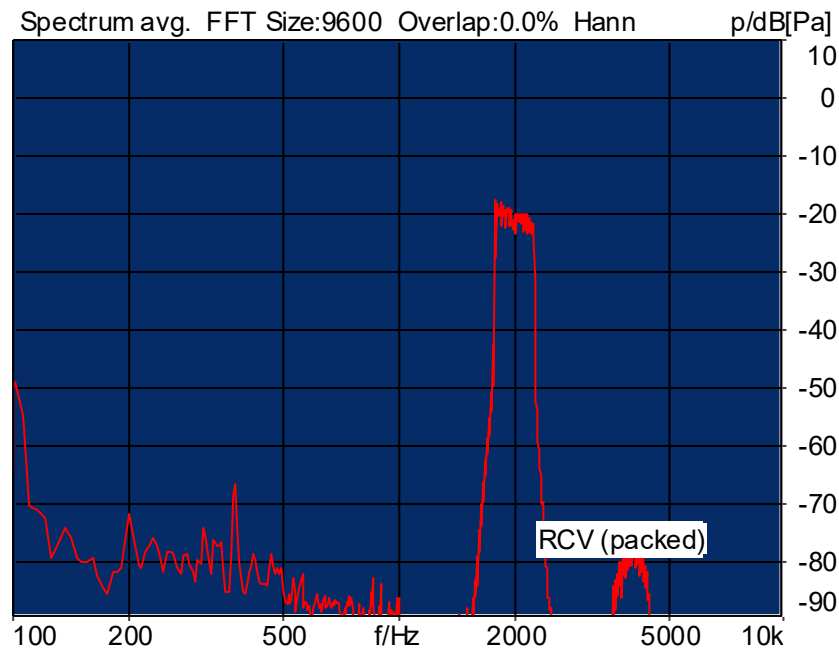
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 41.62 dB (0.83%) Ok

Ok

2026/6/8 11:14 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2000Hz

Hardware Config Settings

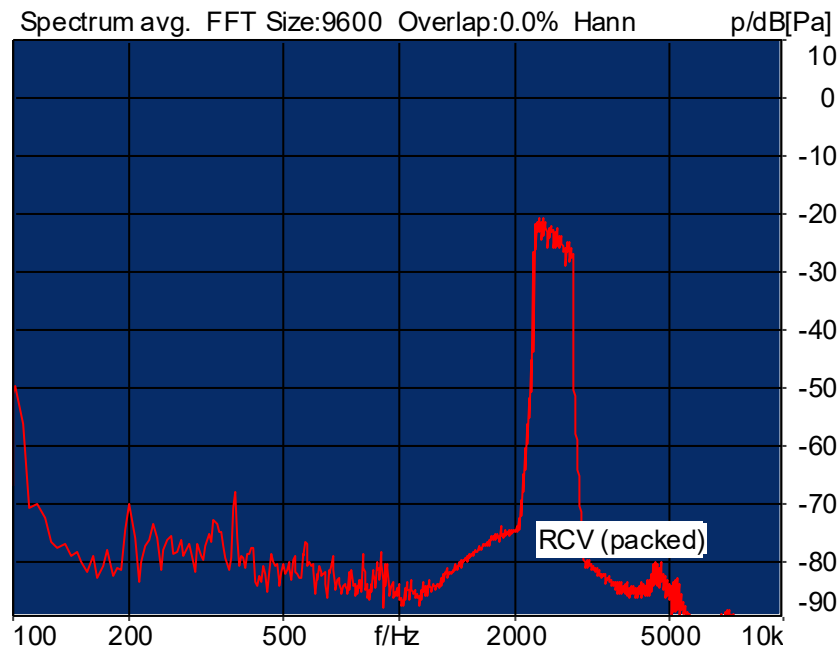
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 36.51 dB (1.49%) Ok

Ok

2026/6/8 11:14 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2500Hz

Hardware Config Settings

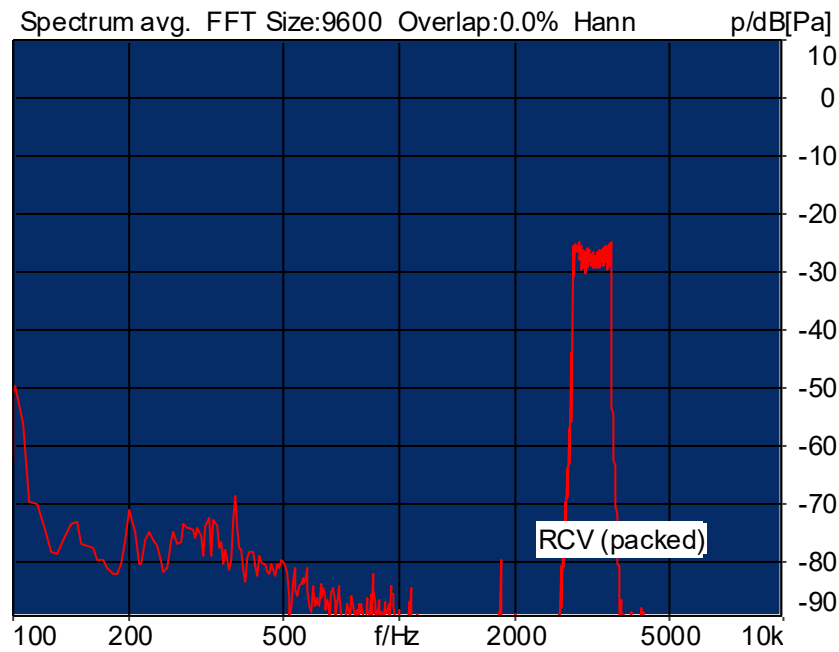
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 41.04 dB (0.89%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_3150Hz

Hardware Config Settings

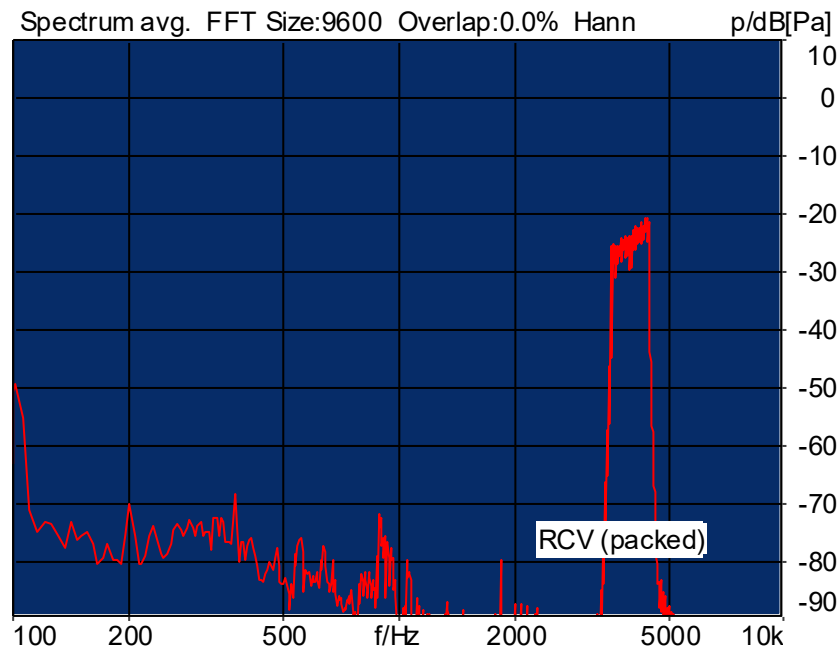
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 39.09 dB (1.11%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_4000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	3515.0 Hz	Stimulus max.	4500.0 Hz
Analysis min.	20.0 Hz	Analysis max.	3510.0 Hz
Analysis (2) min.	4505.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_4000Hz

Hardware Config Settings

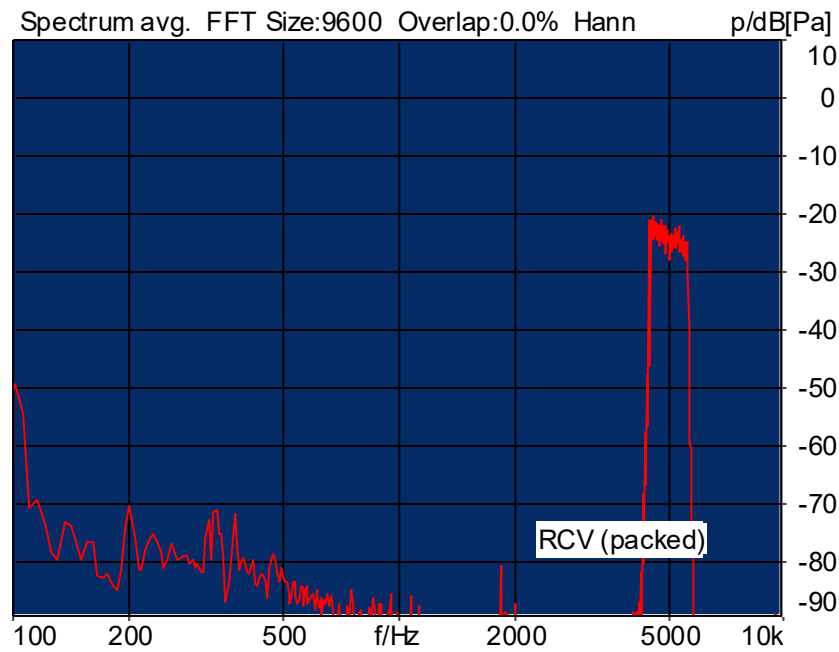
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 40.49 dB (0.95%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_5000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	4430.0 Hz	Stimulus max.	5660.0 Hz
Analysis min.	20.0 Hz	Analysis max.	4425.0 Hz
Analysis (2) min.	5665.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_5000Hz

Hardware Config Settings

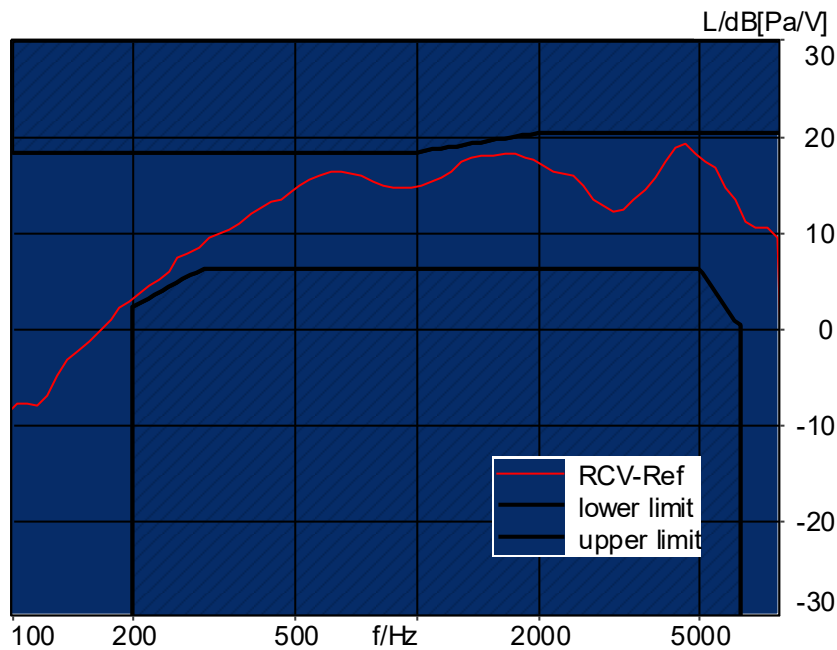
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 2N FF

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



Absolute minimal distance

1.11 dB at 4620.1 Hz Ok

Ok

2026/6/8 11:21 ACQUA 6.2.100

Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Source: respmaleieeee269_wb_r20_v01.dat

Level adjustment Channel 1 Gain -90.00 dB

WIDEBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -22,2 dBV, margin 15.9 dB +

Pause till end of file

Signal level (ch2): -22,2 dBV Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the end of the file.

filtered with 8.0 kHz low-pass filter

signal level changed

Calibration

RCV (2)	0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1	0.00 dB
Output ch. 2	0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hawb.fft		
Tol. scheme file	521_rcv_frq_man_hawb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	8000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)
Channels	2

Hardware Config Settings

Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(36#)

Measurement Object	Ti-CC26050303-WiFi5.2G
--------------------	------------------------

Status Overview

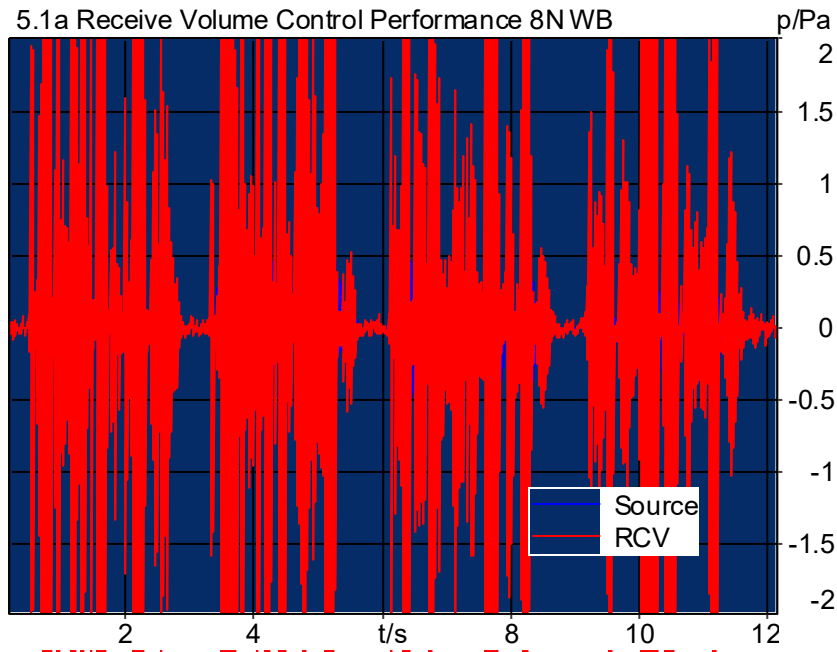
SMD	Status	Single Value Description	Single Value	Object
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.08	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.09	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.18	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.83	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.21	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.54	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.08	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.79	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	26.81	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.26	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.72	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.67	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.77	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.51	Ti-CC26050303-WiFi5.2G
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.70	Ti-CC26050303-WiFi5.2G
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	1.46	Ti-CC26050303-WiFi5.2G

5.1a Receive Volume Control Performance 8N WB

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

EVS-WB-24.4

5.1a Receive Volume Control Performance 8N WB



Channel	Speech level	Activity	
RCV	90.08 dB[SPL]	83.34%	Ok

Ok

2026/6/8 12:59 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms
Bandpass filter Super Wideband
Range length 12000.00 ms
Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

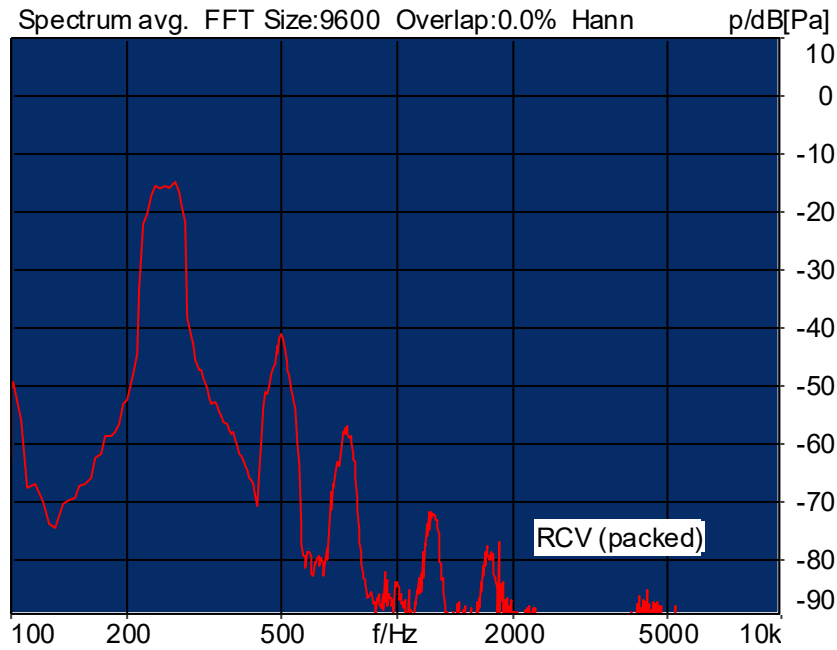
Input Ch.2

Line

Microphone

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 30.09 dB (3.13%) Ok

Ok

2026/6/8 13:00 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_250hz_sr20dbm0_v02.dat.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	190.0 Hz	Stimulus max.	315.0 Hz
Analysis min.	20.0 Hz	Analysis max.	185.0 Hz
Analysis (2) min.	320.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_250Hz

Hardware Config Settings

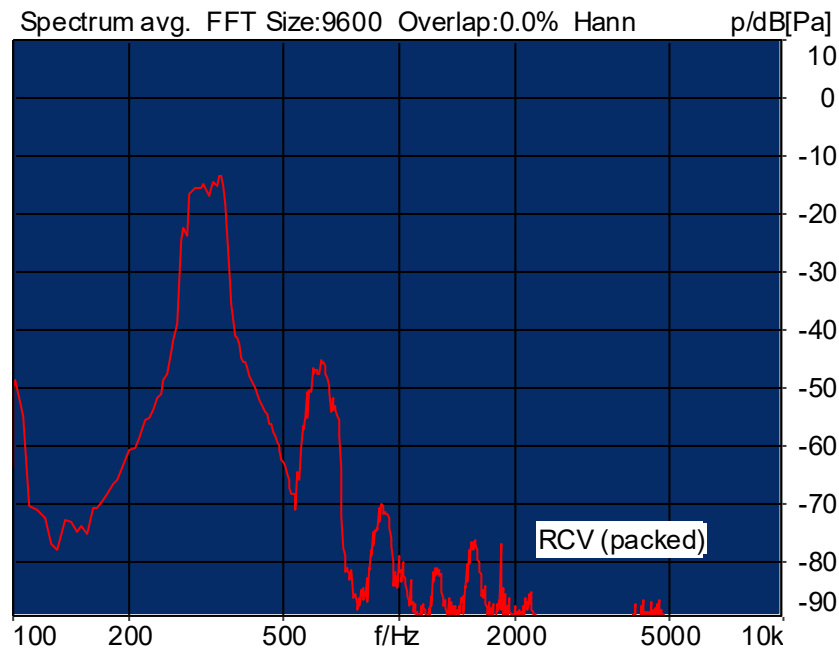
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 32.18 dB (2.46%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_315hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	245.0 Hz	Stimulus max.	390.0 Hz
Analysis min.	20.0 Hz	Analysis max.	240.0 Hz
Analysis (2) min.	395.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_315Hz

Hardware Config Settings

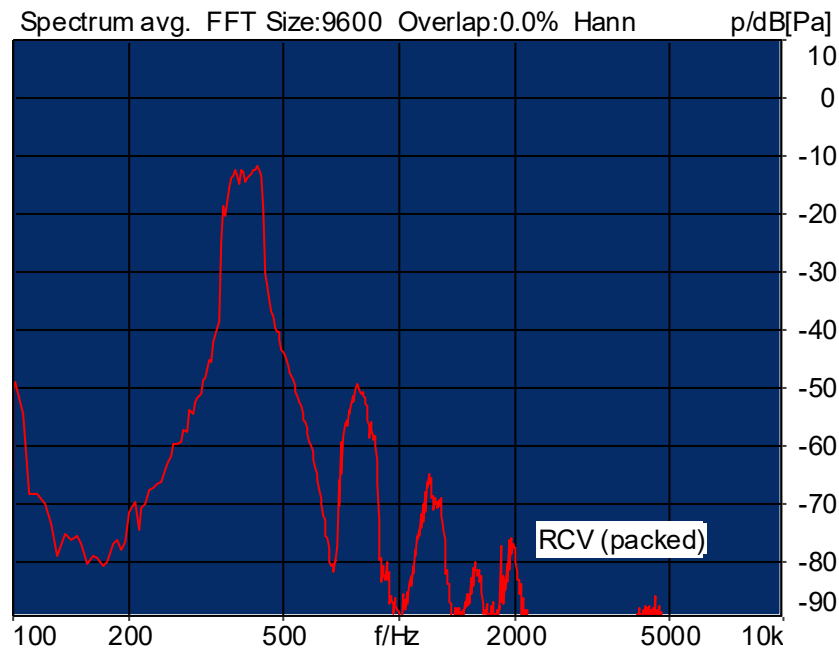
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 33.83 dB (2.04%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_400hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	320.0 Hz	Stimulus max.	480.0 Hz
Analysis min.	20.0 Hz	Analysis max.	315.0 Hz
Analysis (2) min.	485.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_400Hz

Hardware Config Settings

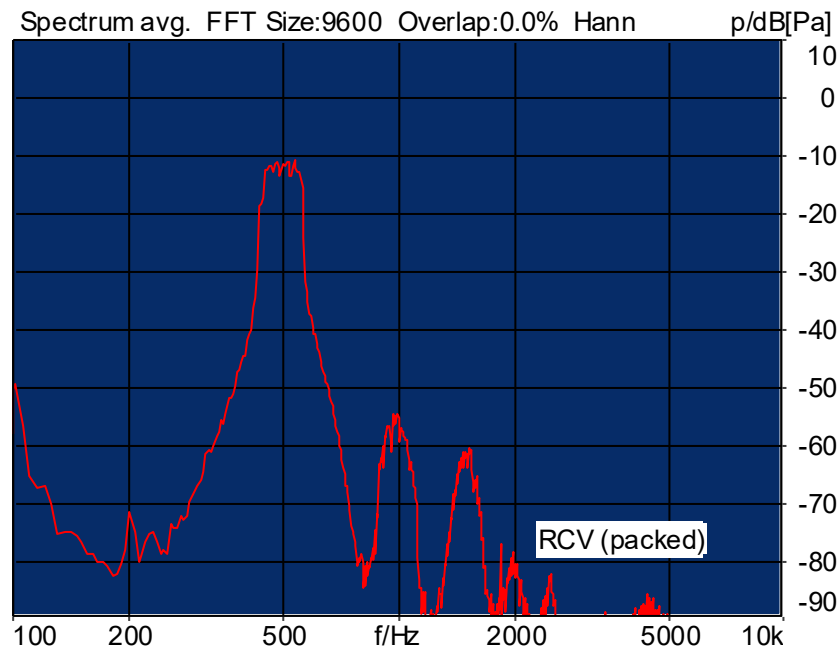
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 35.21 dB (1.74%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	410.0 Hz	Stimulus max.	595.0 Hz
Analysis min.	20.0 Hz	Analysis max.	405.0 Hz
Analysis (2) min.	600.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_500Hz

Hardware Config Settings

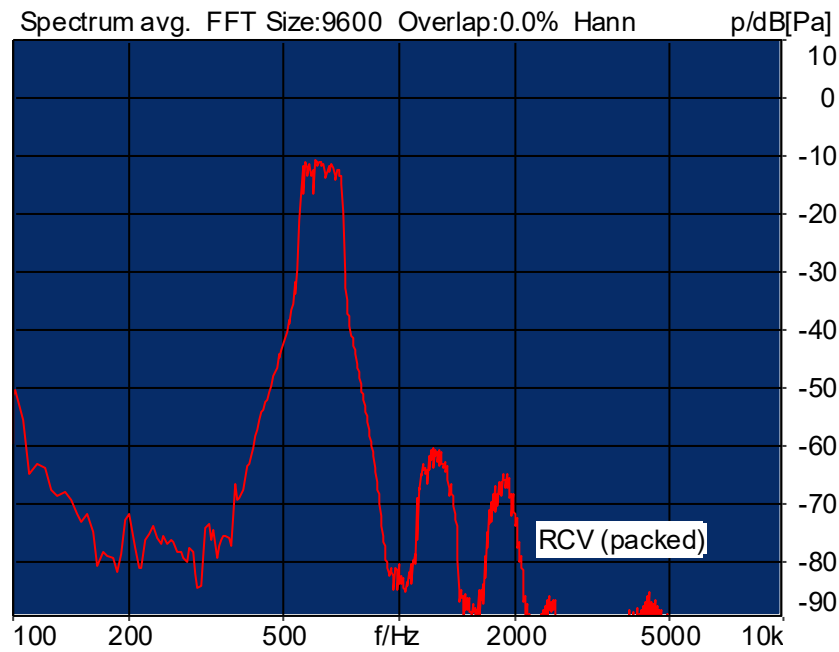
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 34.54 dB (1.87%) Ok

Ok

2026/6/8 13:01 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_630Hz

Hardware Config Settings

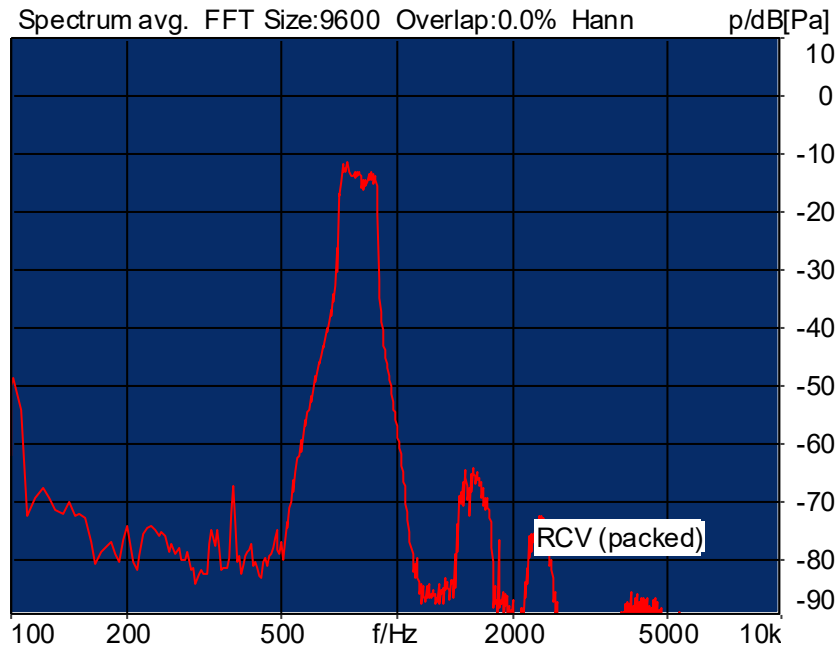
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 34.08 dB (1.98%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_800hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_800Hz

Hardware Config Settings

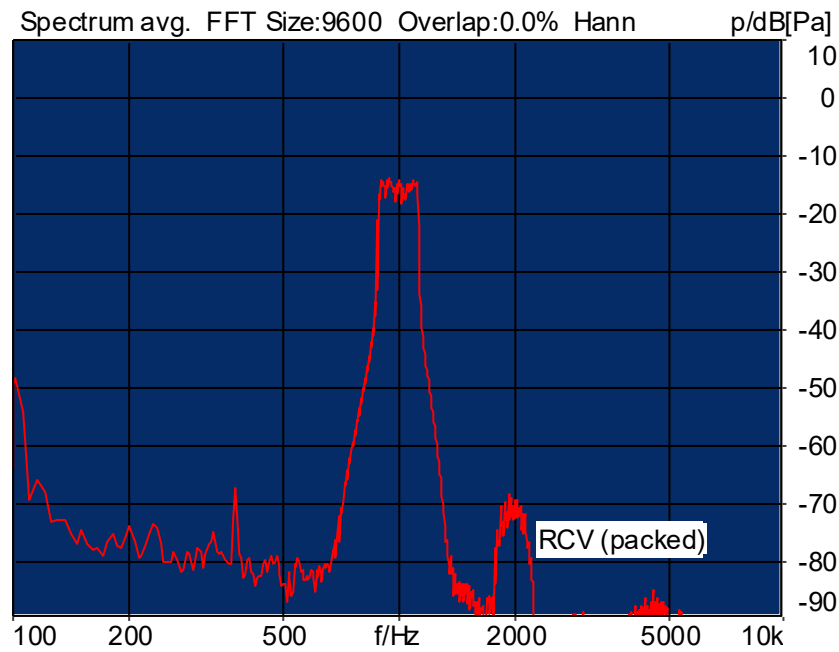
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 34.79 dB (1.82%) Ok

Ok

2026/6/8 13:02 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1000Hz

Hardware Config Settings

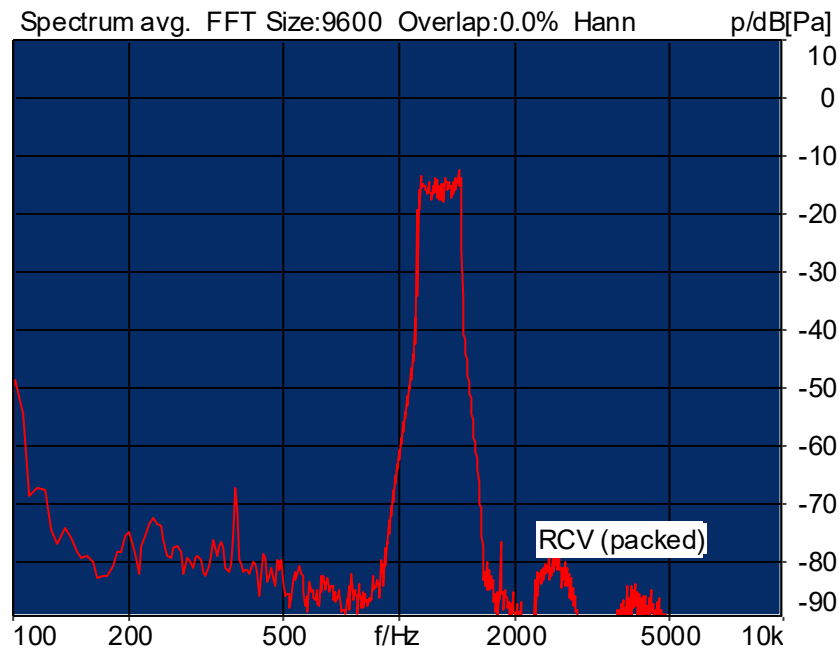
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 26.81 dB (4.56%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1250Hz

Hardware Config Settings

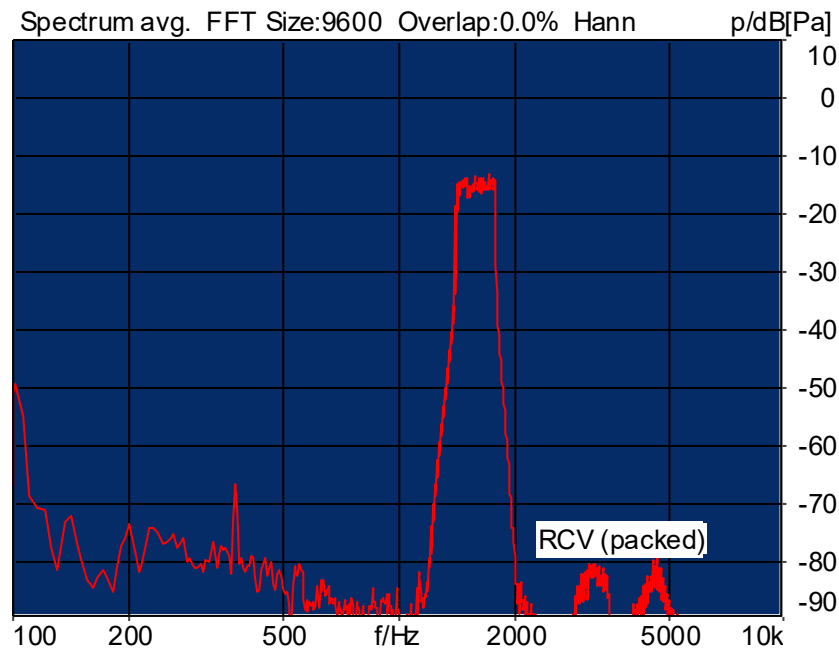
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 35.26 dB (1.73%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1600Hz

Hardware Config Settings

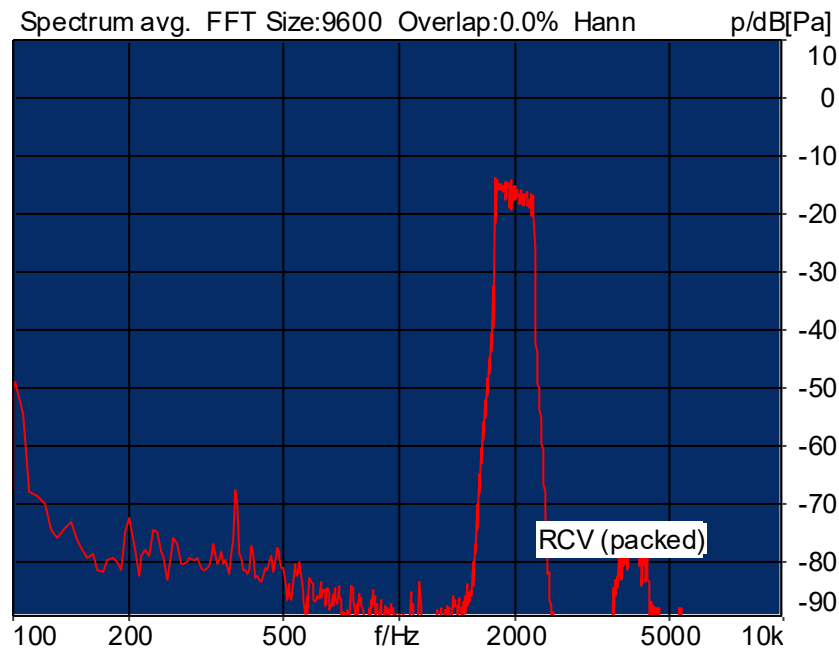
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 35.72 dB (1.64%) Ok

Ok

2026/6/8 13:03 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2000Hz

Hardware Config Settings

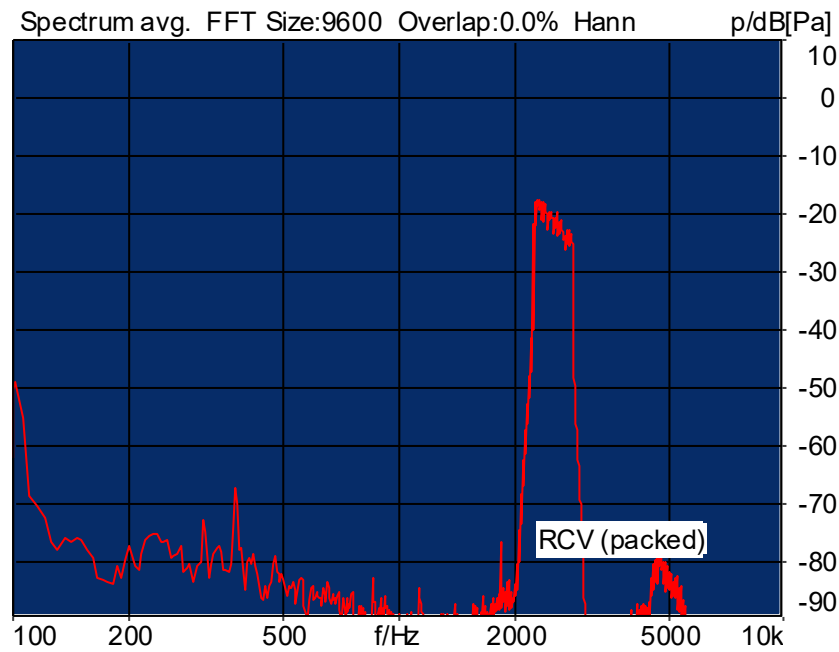
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 36.67 dB (1.47%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2500Hz

Hardware Config Settings

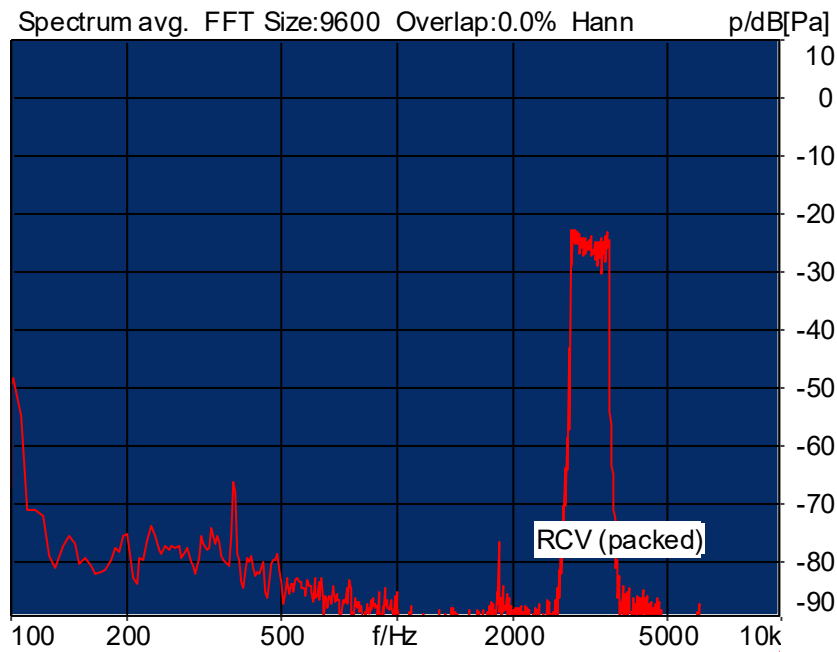
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 43.77 dB (0.65%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_3150Hz

Hardware Config Settings

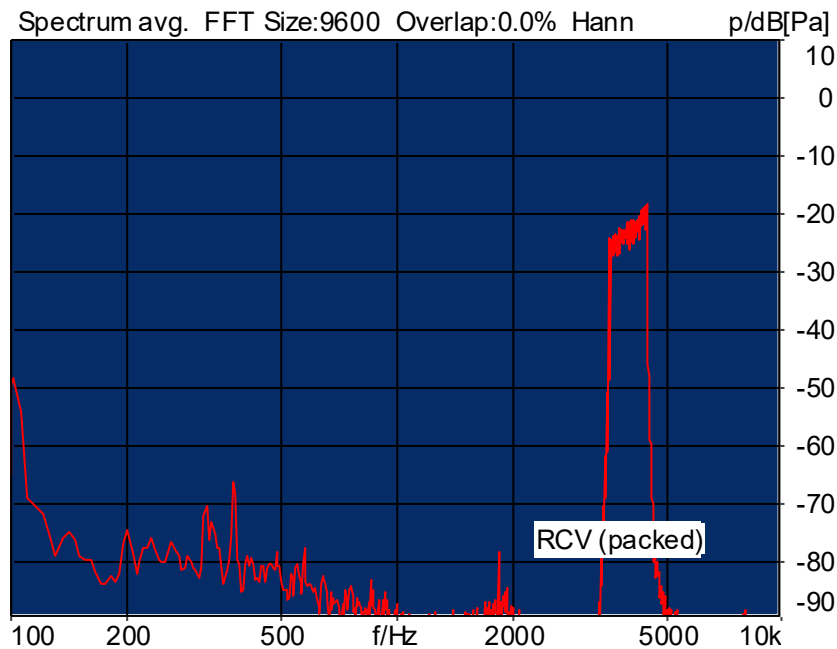
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 43.51 dB (0.67%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_4000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	3515.0 Hz	Stimulus max.	4500.0 Hz
Analysis min.	20.0 Hz	Analysis max.	3510.0 Hz
Analysis (2) min.	4505.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_4000Hz

Hardware Config Settings

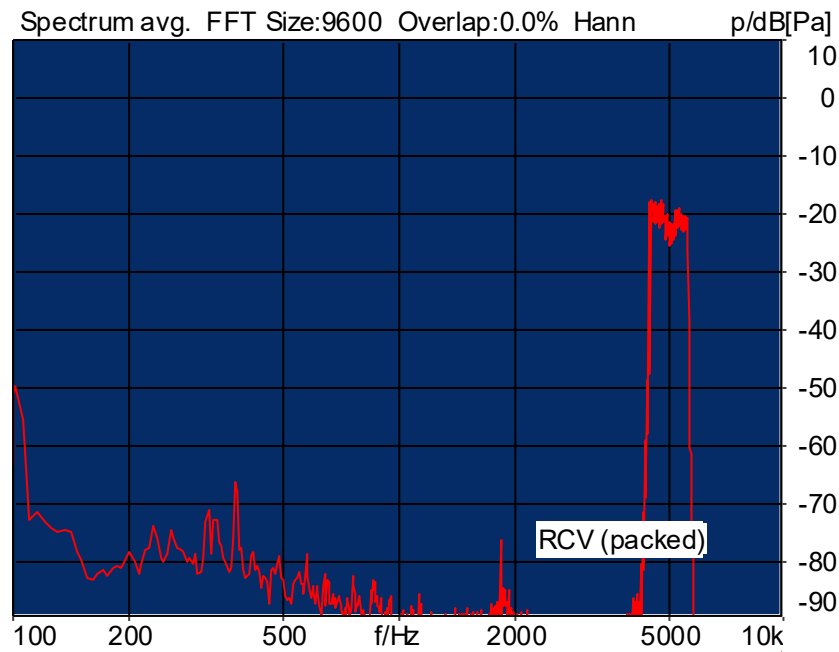
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 44.70 dB (0.58%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_5000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	4430.0 Hz	Stimulus max.	5660.0 Hz
Analysis min.	20.0 Hz	Analysis max.	4425.0 Hz
Analysis (2) min.	5665.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_5000Hz

Hardware Config Settings

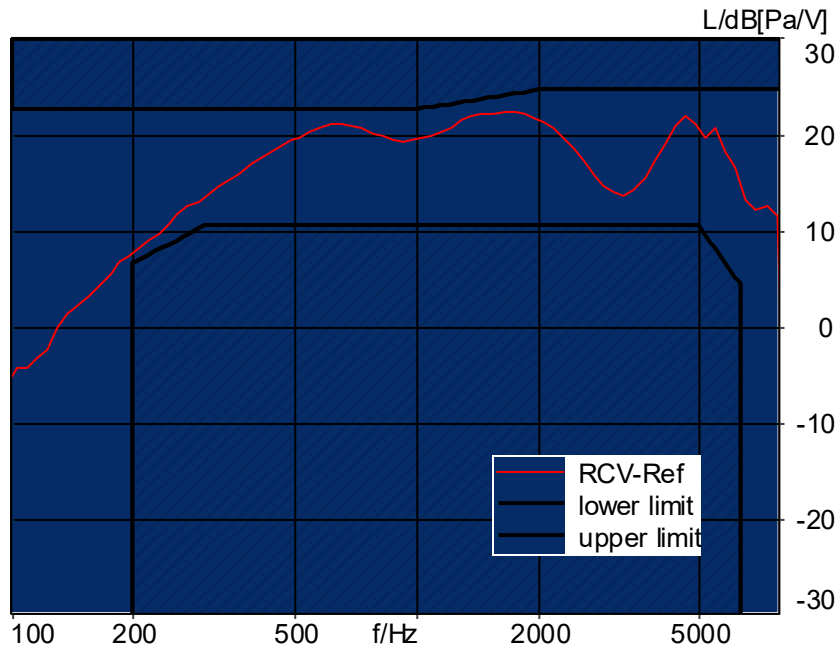
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 8N FF

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EVS-WB-24.4



Absolute minimal distance
1.46 dB at 611.7 Hz Ok

Ok

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Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: respmaleieee269_wb_r20_v01.dat

Level adjustment Channel 1 Gain -90.00 dB

WIDEBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -22,2 dBV, margin 15.9 dB +

Pause till end of file

Signal level (ch2): -22,2 dBV Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the and of the file.

filtered with 8.0 kHz low-pass filter
signal level changed

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hawb.fft		
Tol. scheme file	521_rcv_frq_man_hawb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	8000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay 196.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)
Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(37#)

Measurement Object	Ti-CC26050303-WiFi5.3G
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Status Overview

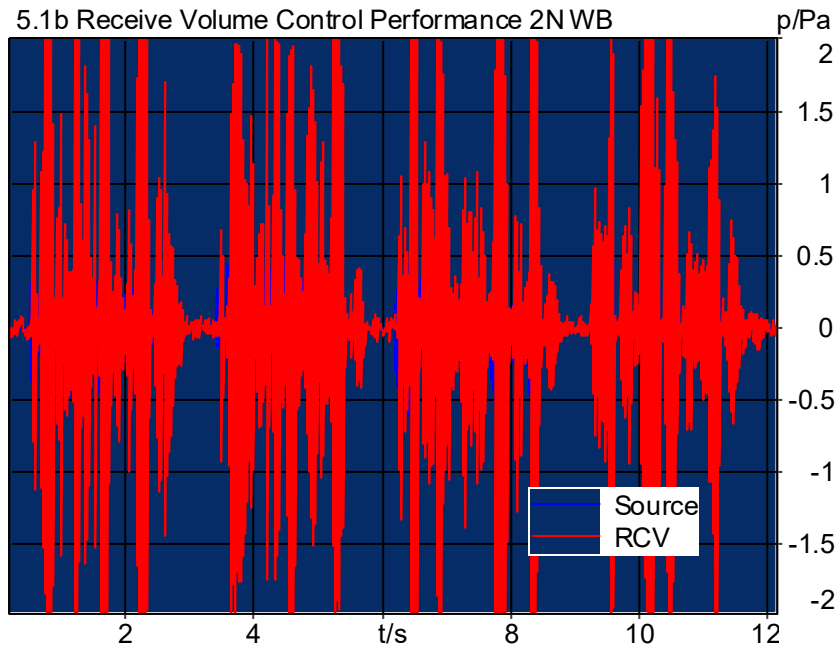
SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.25	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.88	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	33.07	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.57	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.37	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.34	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	47.78	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	50.53	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.27	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	49.19	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.27	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.49	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	52.80	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	55.49	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	57.43	Ti-CC26050303-WiFi5.3G
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4620.1 Hz	1.10	Ti-CC26050303-WiFi5.3G

5.1b Receive Volume Control Performance 2N WB

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5.1b Receive Volume Control Performance 2N WB



Channel	Speech level	Activity	
RCV	85.25 dB[SPL]	84.43%	Ok

Ok

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Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms
Bandpass filter Super Wideband
Range length 12000.00 ms
Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fff

Special Features

Show source signal Source ch.2

Compensate delay 120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

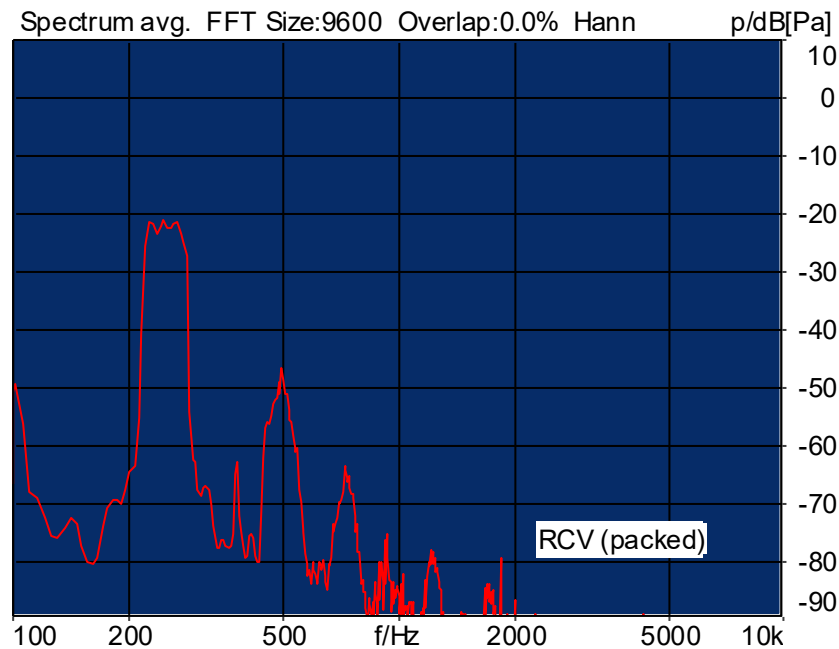
Input Ch.2

Line

Microphone

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 30.88 dB (2.86%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_250hz_sr20dbm0_v02.dat.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	190.0 Hz	Stimulus max.	315.0 Hz
Analysis min.	20.0 Hz	Analysis max.	185.0 Hz
Analysis (2) min.	320.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_250Hz

Hardware Config Settings

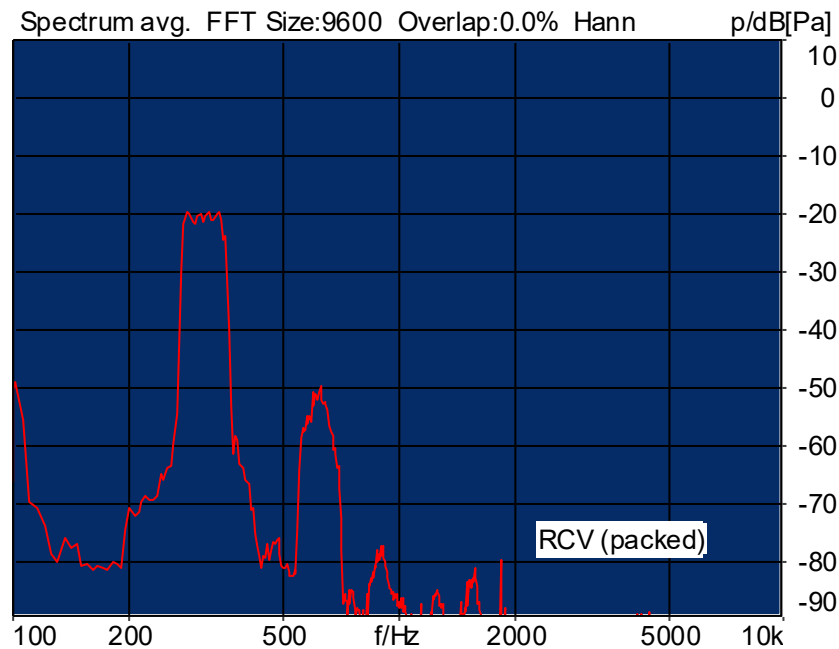
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 33.07 dB (2.22%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_315hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	245.0 Hz	Stimulus max.	390.0 Hz
Analysis min.	20.0 Hz	Analysis max.	240.0 Hz
Analysis (2) min.	395.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_315Hz

Hardware Config Settings

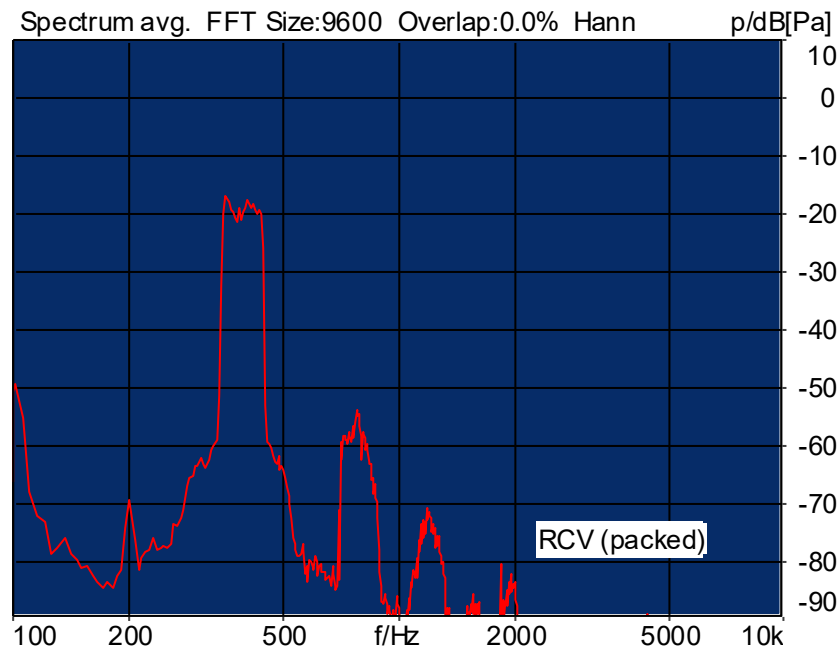
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 37.57 dB (1.32%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_400hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	320.0 Hz	Stimulus max.	480.0 Hz
Analysis min.	20.0 Hz	Analysis max.	315.0 Hz
Analysis (2) min.	485.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_400Hz

Hardware Config Settings

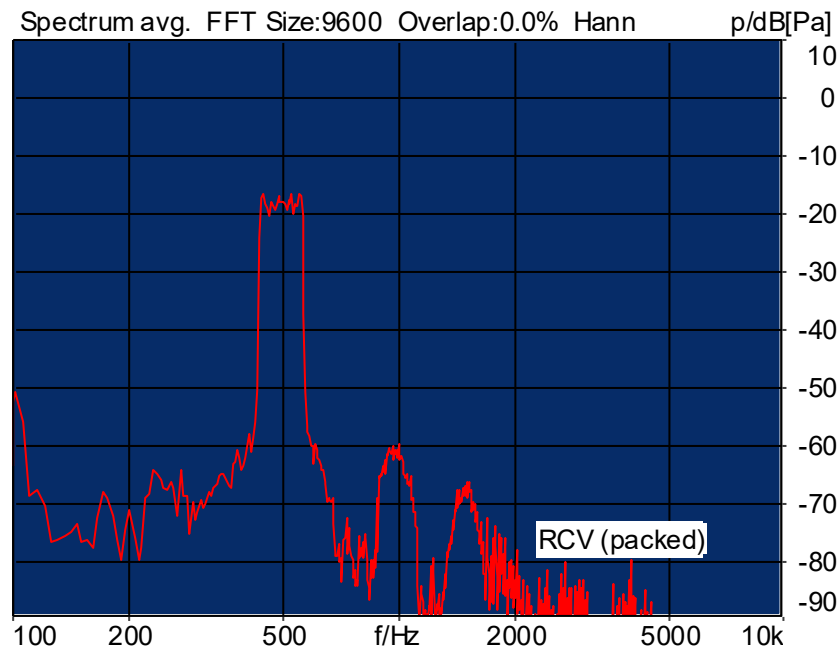
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 40.37 dB (0.96%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	410.0 Hz	Stimulus max.	595.0 Hz
Analysis min.	20.0 Hz	Analysis max.	405.0 Hz
Analysis (2) min.	600.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_500Hz

Hardware Config Settings

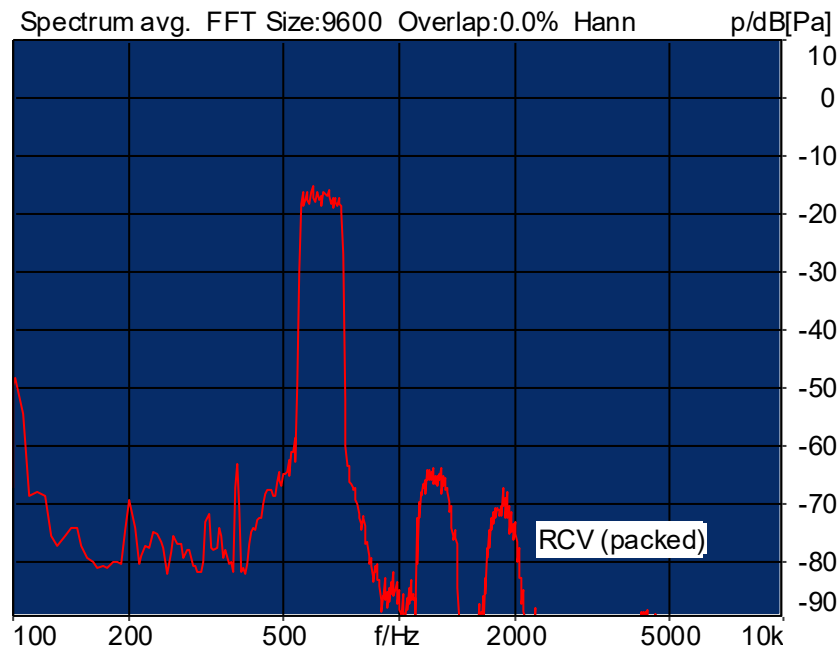
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



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

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_630Hz

Hardware Config Settings

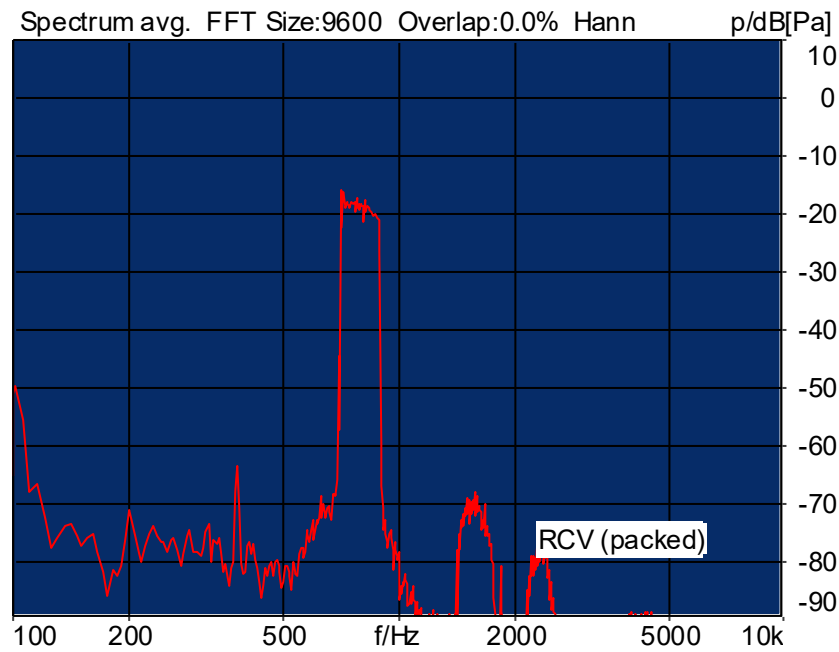
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 47.78 dB (0.41%) Ok

Ok

2026/6/8 11:25 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_800hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_800Hz

Hardware Config Settings

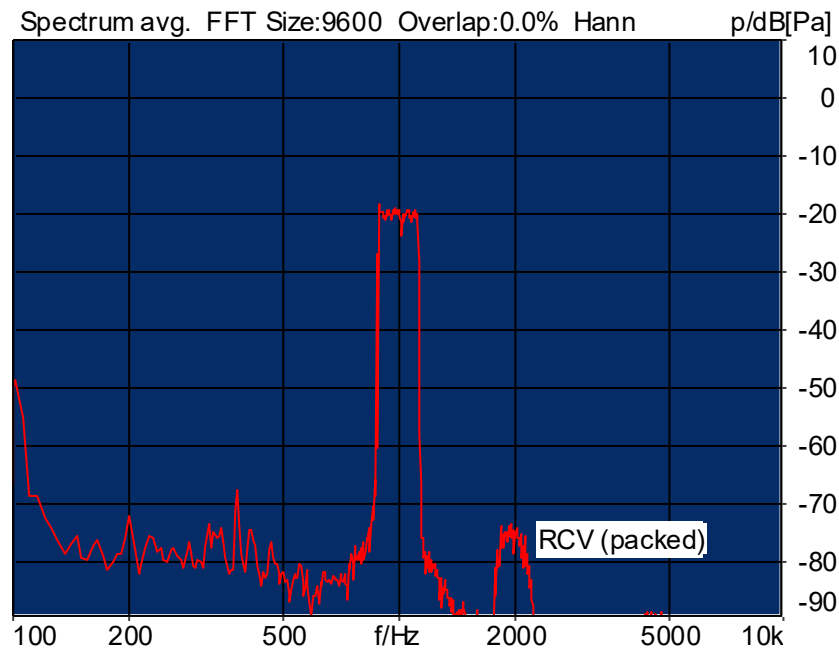
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 50.53 dB (0.30%) Ok

Ok

2026/6/8 11:25 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1000Hz

Hardware Config Settings

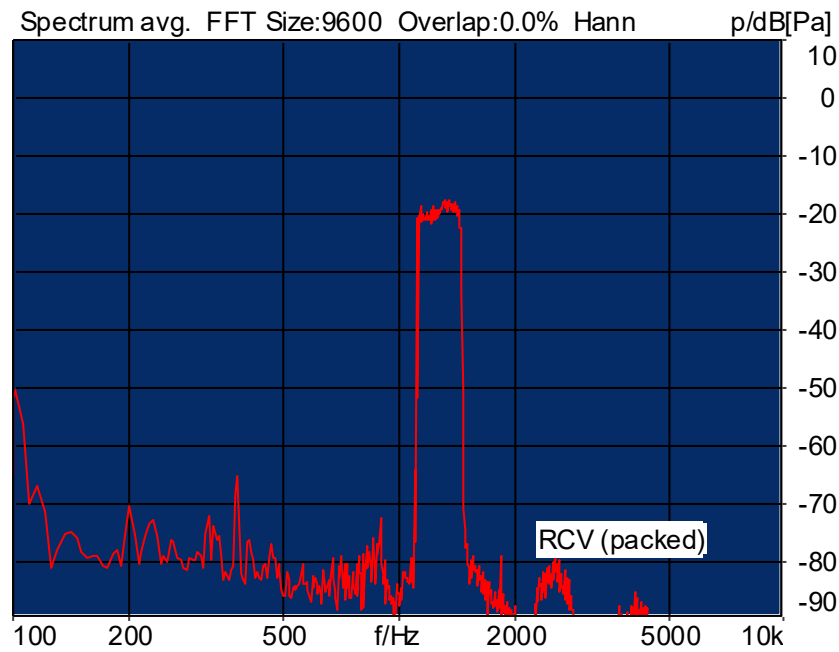
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 31.27 dB (2.73%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1250Hz

Hardware Config Settings

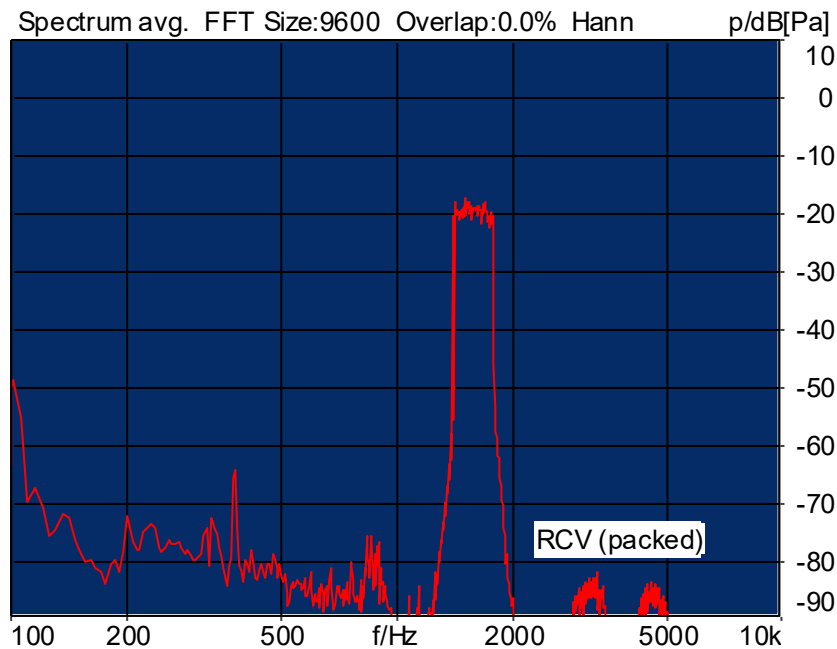
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 49.19 dB (0.35%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1600Hz

Hardware Config Settings

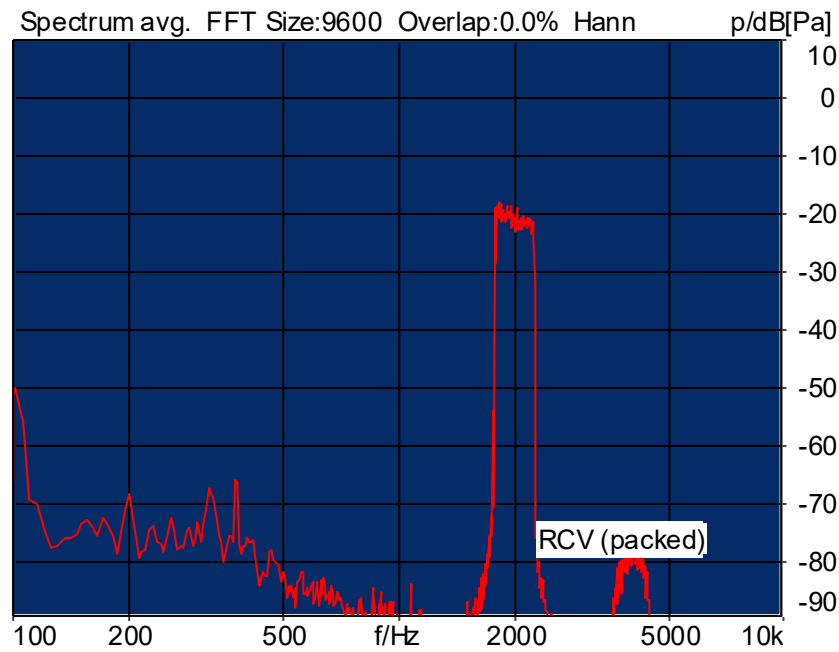
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 53.27 dB (0.22%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2000Hz

Hardware Config Settings

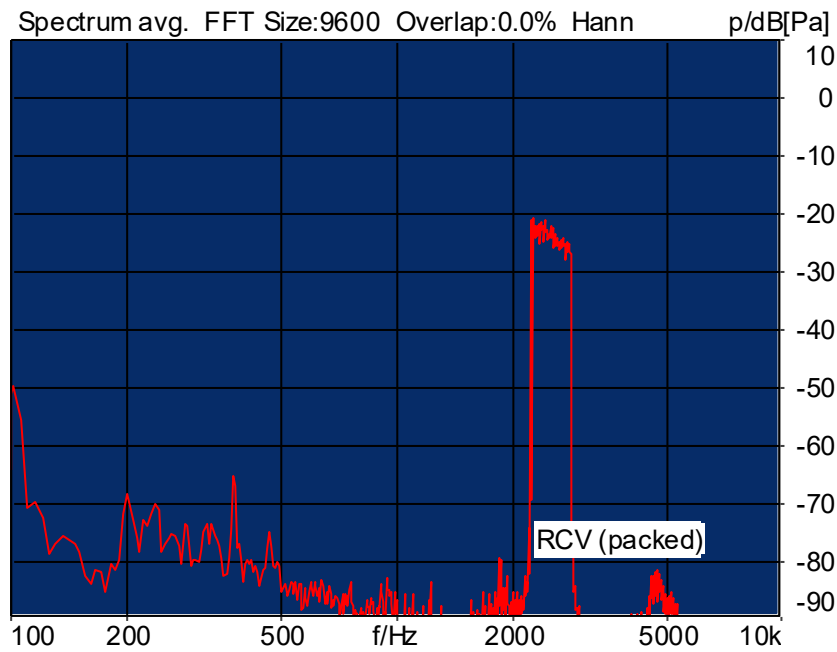
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 53.49 dB (0.21%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2500Hz

Hardware Config Settings

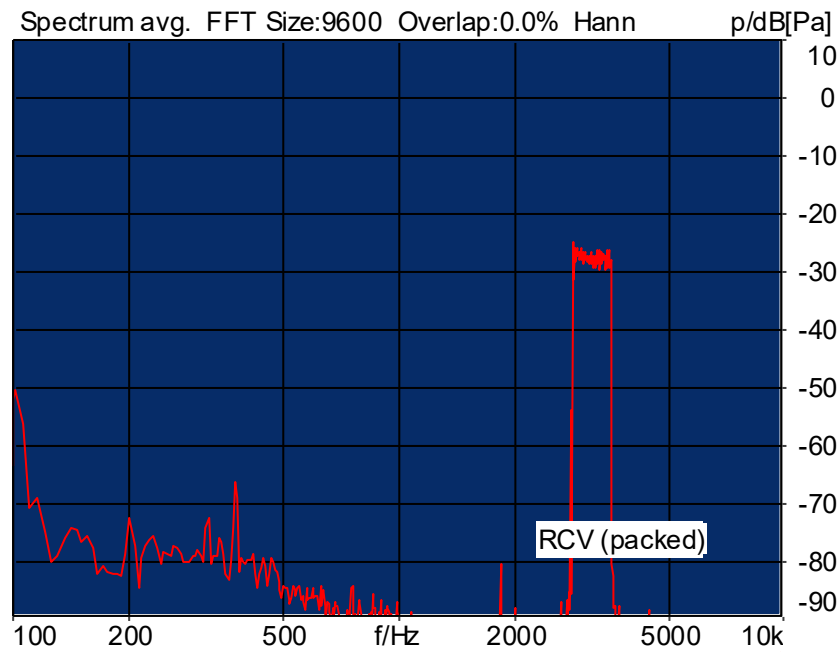
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 52.80 dB (0.23%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_3150Hz

Hardware Config Settings

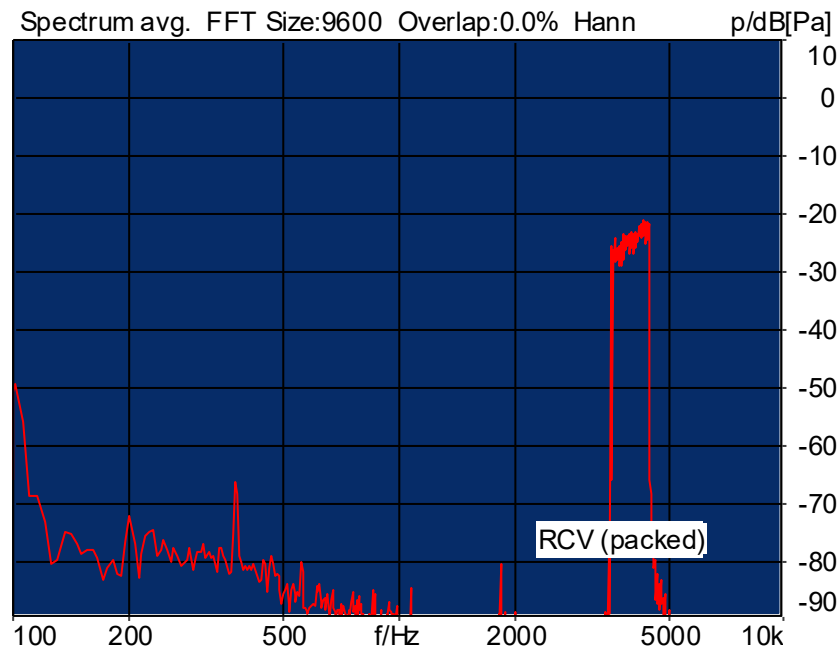
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 55.49 dB (0.17%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_4000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	3515.0 Hz	Stimulus max.	4500.0 Hz
Analysis min.	20.0 Hz	Analysis max.	3510.0 Hz
Analysis (2) min.	4505.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_4000Hz

Hardware Config Settings

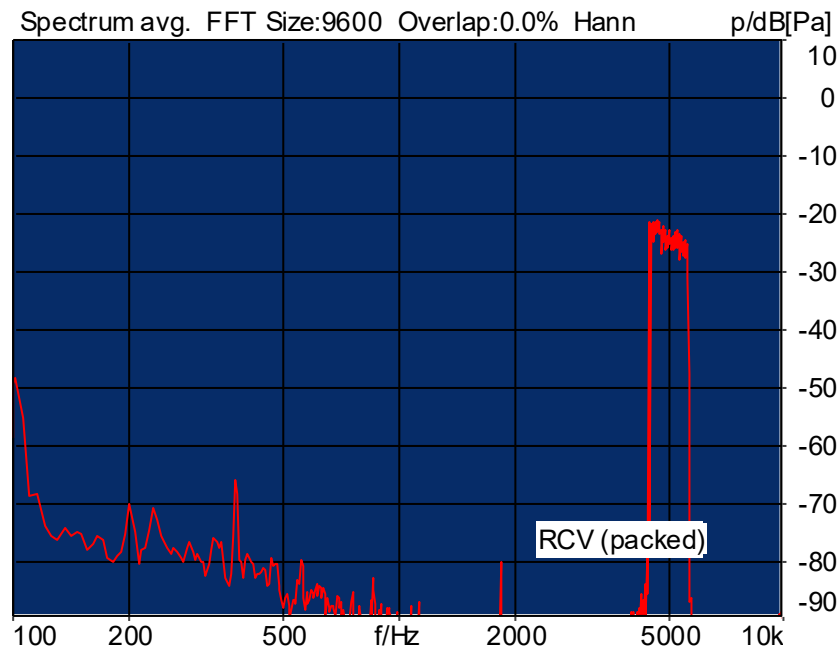
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 57.43 dB (0.13%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_5000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	4430.0 Hz	Stimulus max.	5660.0 Hz
Analysis min.	20.0 Hz	Analysis max.	4425.0 Hz
Analysis (2) min.	5665.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_5000Hz

Hardware Config Settings

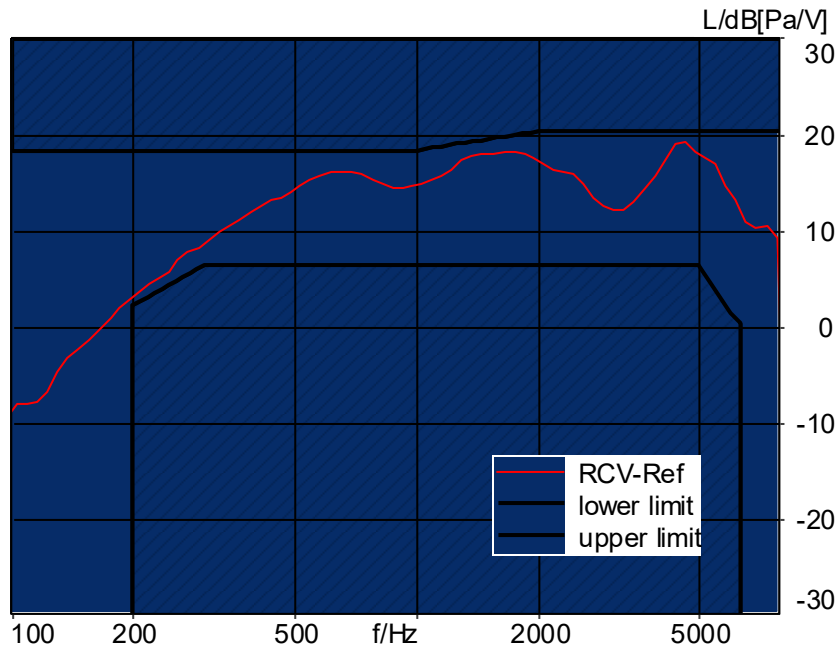
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 2N FF

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Absolute minimal distance
1.10 dB at 4620.1 Hz Ok

Ok

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Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: respmaleieee269_wb_r20_v01.dat

Level adjustment Channel 1 Gain -90.00 dB

WIDEBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -22,2 dBV, margin 15.9 dB +

Pause till end of file

Signal level (ch2): -22,2 dBV Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the and of the file.

filtered with 8.0 kHz low-pass filter
signal level changed

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hawb.fft		
Tol. scheme file	521_rcv_frq_man_hawb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	8000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay 120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)
Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(38#)

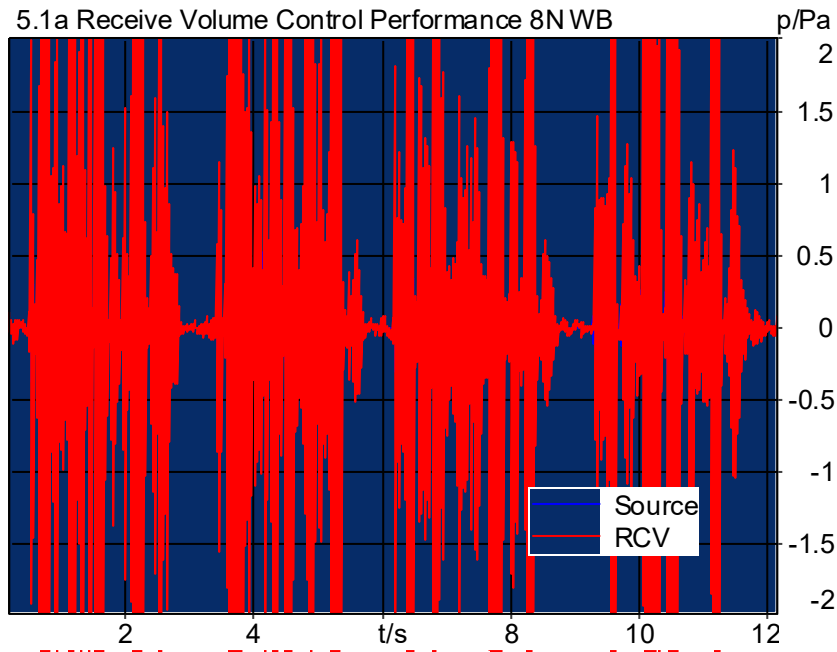
Measurement Object	Ti-CC26050303-WiFi5.3G
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Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.73	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.63	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.03	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.66	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.47	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	45.93	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	48.90	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	52.26	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.24	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	58.21	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	56.53	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.73	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.57	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.07	Ti-CC26050303-WiFi5.3G
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	59.33	Ti-CC26050303-WiFi5.3G
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 611.7 Hz	1.47	Ti-CC26050303-WiFi5.3G

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4

5.1a Receive Volume Control Performance 8N WB



Channel	Speech level	Activity	
RCV	89.73 dB[SPL]	82.79%	Ok

Ok

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Limits

lower
76.00 dB[SPL]

Meas. Setting	DRP
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Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2)	0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1	0.00 dB
Output ch. 2	0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analysed	Channel 2		
Range start	200.00 ms	Range length	12000.00 ms
Bandpass filter	Super Wideband	Margin (15.9dB nom)	15.90 dB

Input Filters

Input Filters			
FIR Filter	Channel 2	Filename	drp2ff_ieee1652.ftt

Special Features

Show source signal Source ch.2

Compensate delay 120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

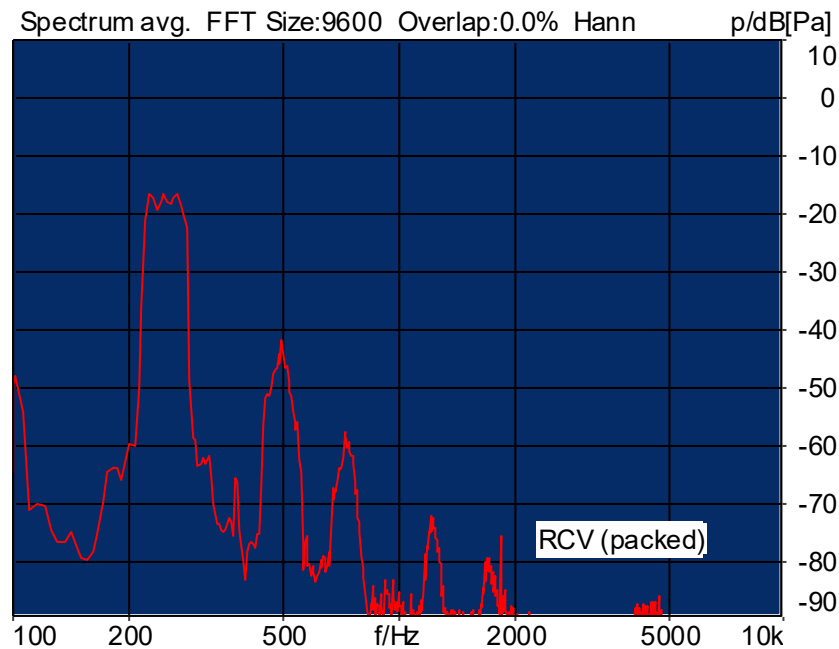
Input Ch.2

Line

Microphone

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 30.63 dB (2.94%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_250hz_sr20dbm0_v02.dat.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	190.0 Hz	Stimulus max.	315.0 Hz
Analysis min.	20.0 Hz	Analysis max.	185.0 Hz
Analysis (2) min.	320.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_250Hz

Hardware Config Settings

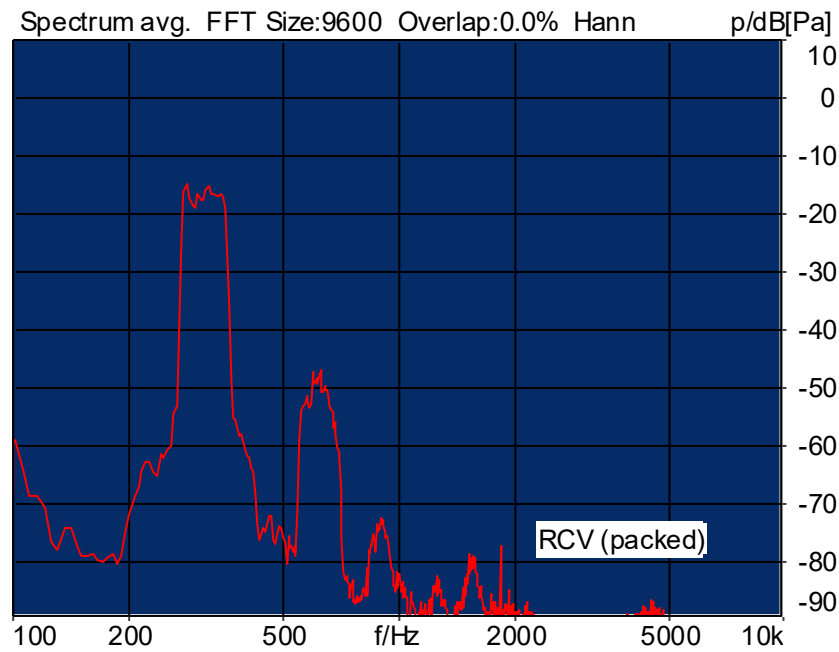
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 34.03 dB (1.99%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_315hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	245.0 Hz	Stimulus max.	390.0 Hz
Analysis min.	20.0 Hz	Analysis max.	240.0 Hz
Analysis (2) min.	395.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_315Hz

Hardware Config Settings

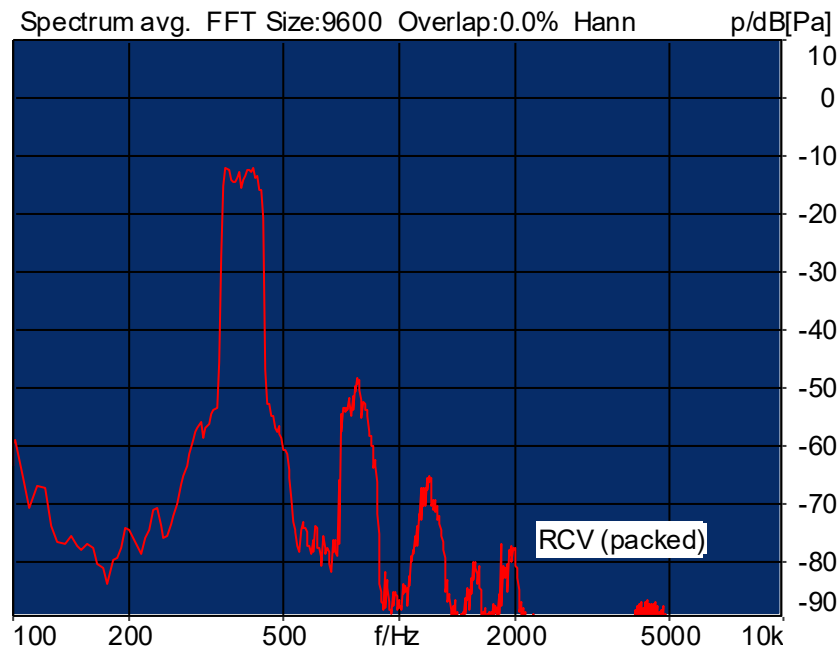
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 37.66 dB (1.31%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_400hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	320.0 Hz	Stimulus max.	480.0 Hz
Analysis min.	20.0 Hz	Analysis max.	315.0 Hz
Analysis (2) min.	485.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_400Hz

Hardware Config Settings

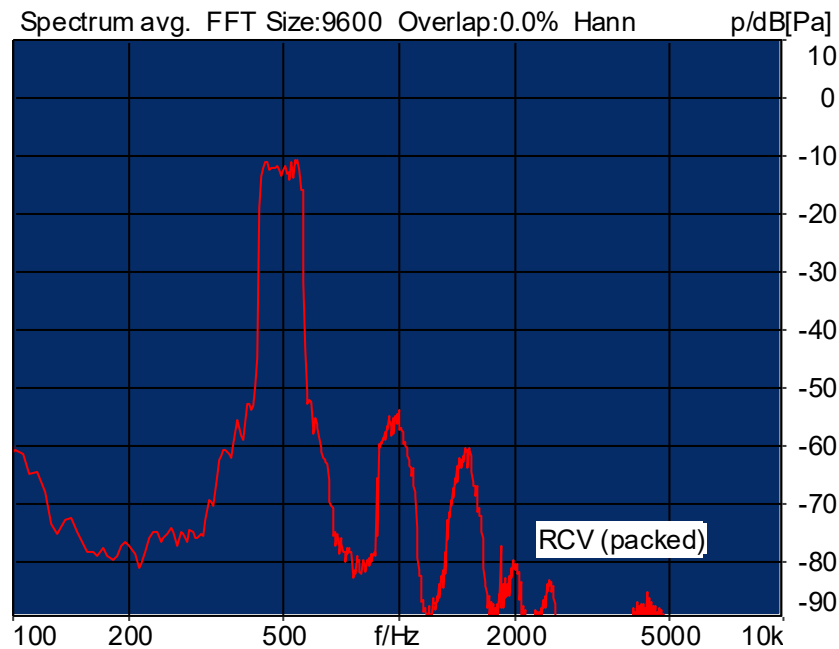
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 41.47 dB (0.84%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	410.0 Hz	Stimulus max.	595.0 Hz
Analysis min.	20.0 Hz	Analysis max.	405.0 Hz
Analysis (2) min.	600.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_500Hz

Hardware Config Settings

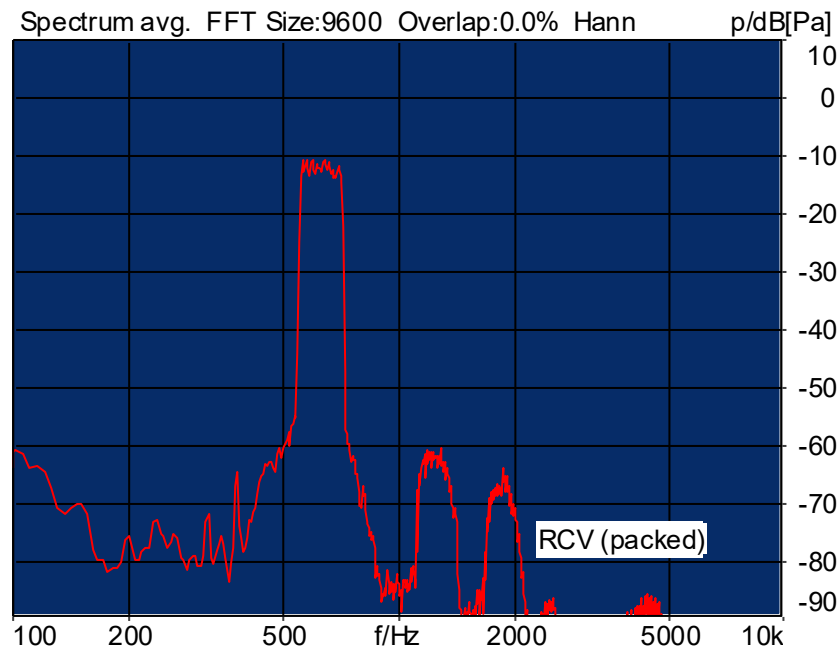
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 45.93 dB (0.51%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_630Hz

Hardware Config Settings

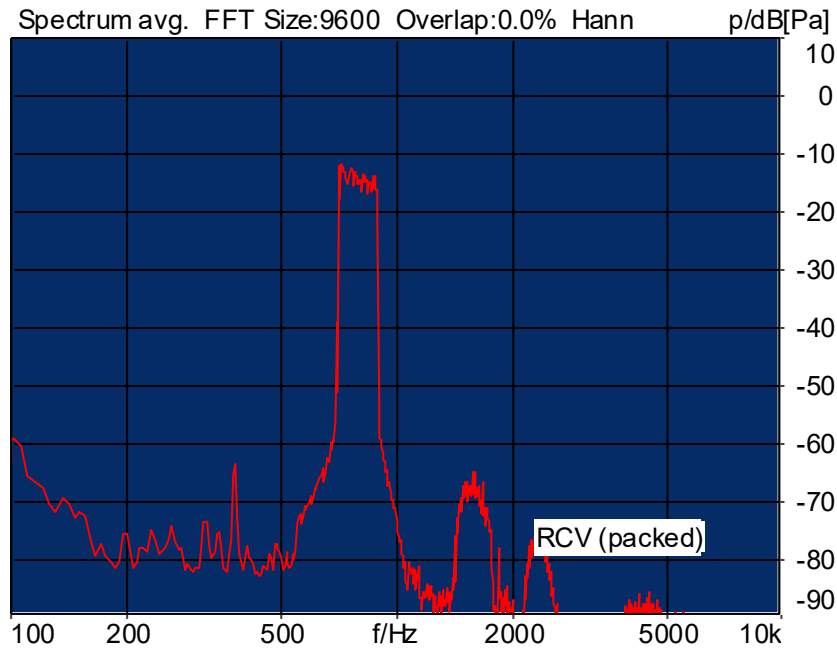
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 48.90 dB (0.36%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_800hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_800Hz

Hardware Config Settings

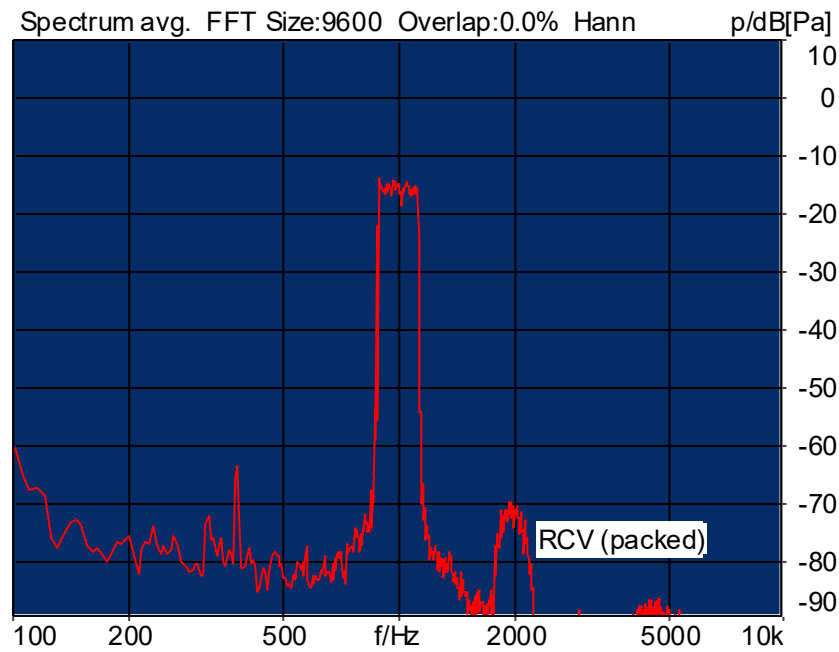
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 52.26 dB (0.24%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1000Hz

Hardware Config Settings

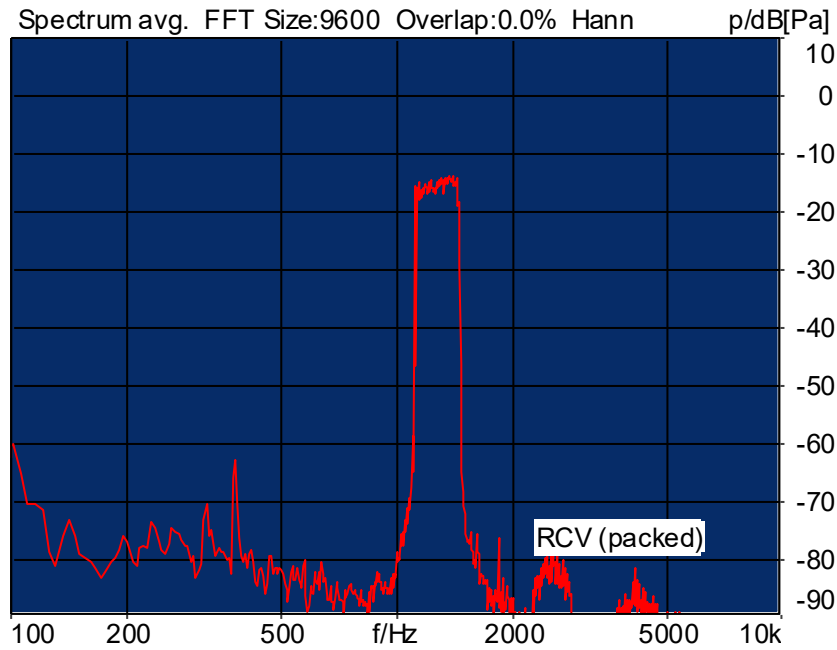
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 31.24 dB (2.74%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1250Hz

Hardware Config Settings

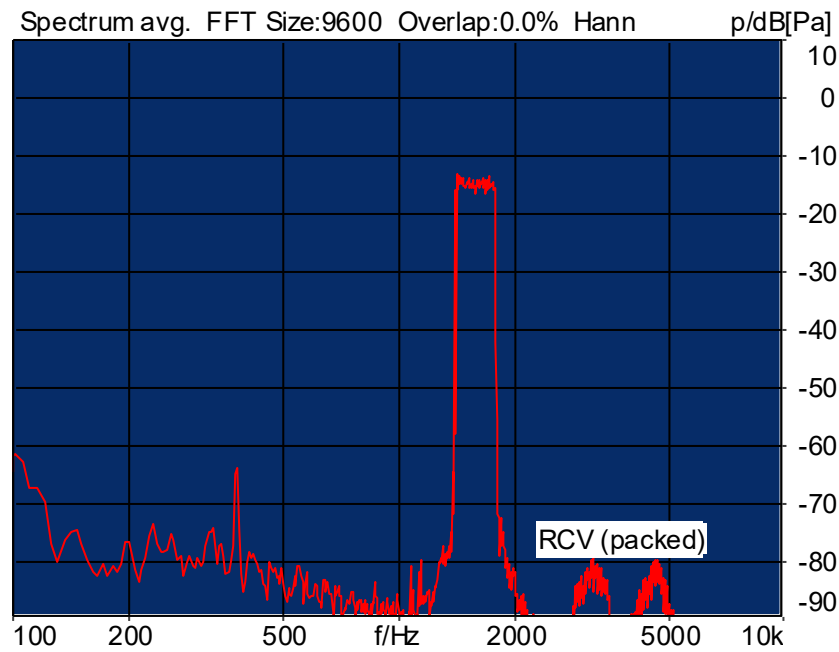
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 58.21 dB (0.12%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1600Hz

Hardware Config Settings

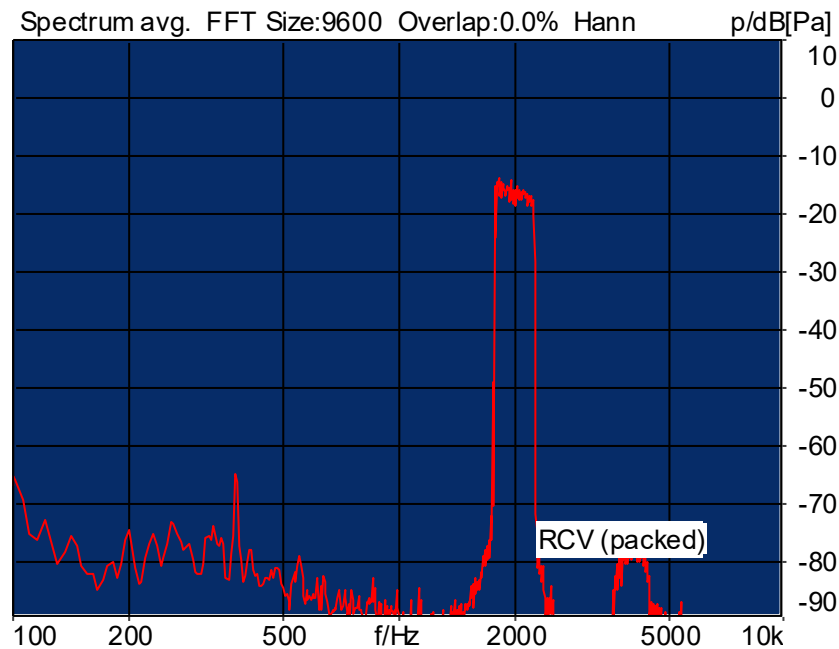
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 56.53 dB (0.15%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2000Hz

Hardware Config Settings

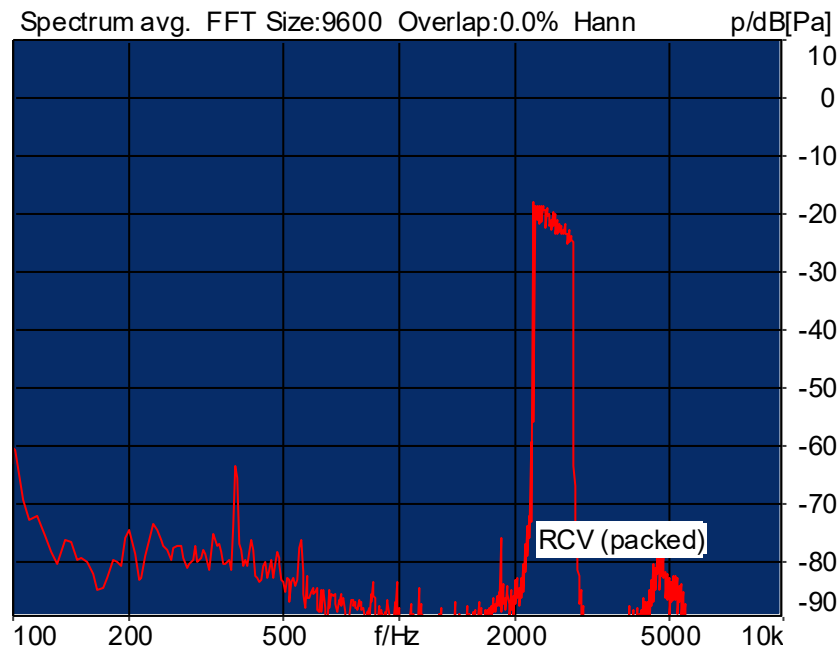
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 53.73 dB (0.21%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2500Hz

Hardware Config Settings

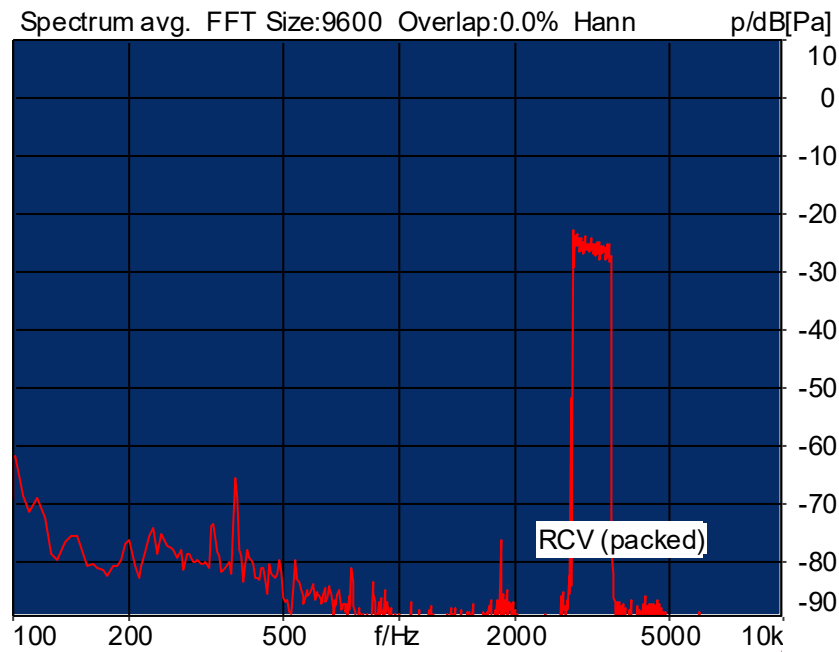
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 53.57 dB (0.21%) Ok

Ok

2026/6/8 12:56 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_3150Hz

Hardware Config Settings

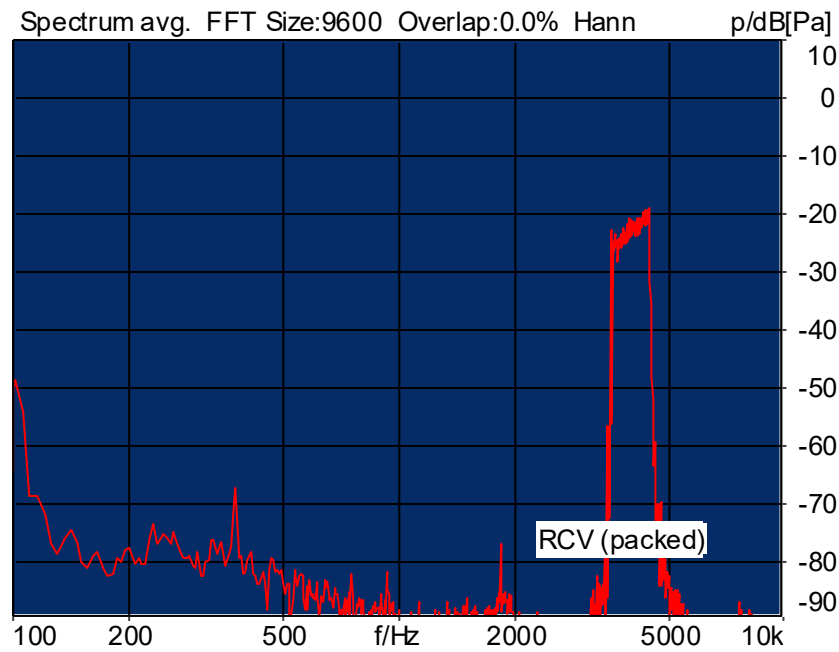
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 32.07 dB (2.49%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_4000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	3515.0 Hz	Stimulus max.	4500.0 Hz
Analysis min.	20.0 Hz	Analysis max.	3510.0 Hz
Analysis (2) min.	4505.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_4000Hz

Hardware Config Settings

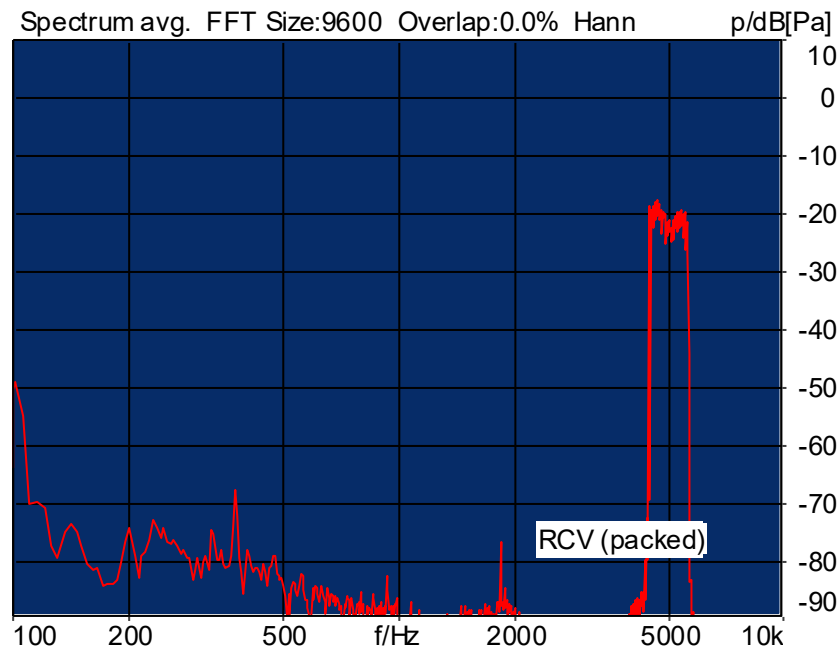
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 59.33 dB (0.11%) Ok

Ok

2026/6/8 12:57 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_5000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	4430.0 Hz	Stimulus max.	5660.0 Hz
Analysis min.	20.0 Hz	Analysis max.	4425.0 Hz
Analysis (2) min.	5665.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_5000Hz

Hardware Config Settings

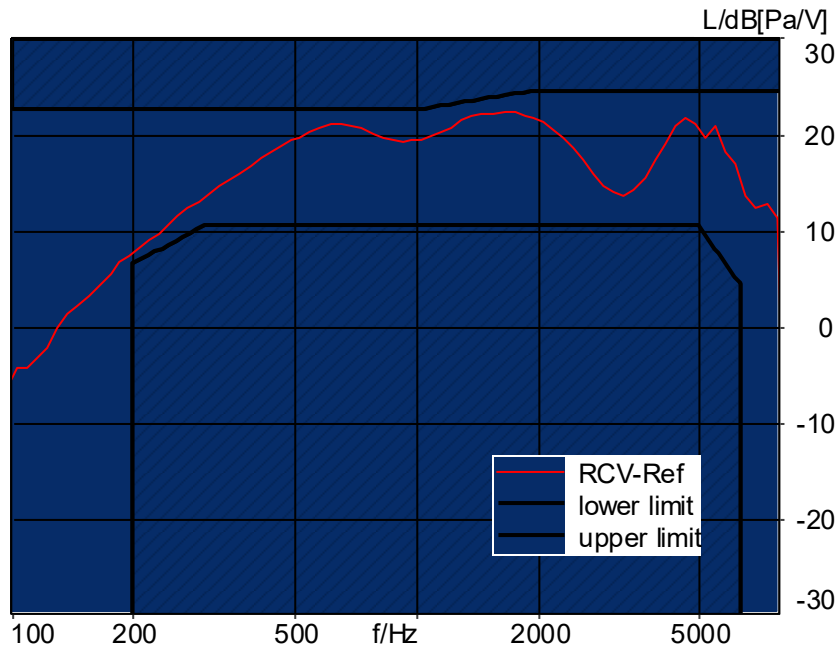
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 8N FF

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Absolute minimal distance
1.47 dB at 611.7 Hz Ok

Ok

2026/6/8 12:58 ACQUA 6.2.100

Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: respmaleieee269_wb_r20_v01.dat

Level adjustment Channel 1 Gain -90.00 dB

WIDEBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -22,2 dBV, margin 15.9 dB +

Pause till end of file

Signal level (ch2): -22,2 dBV Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the and of the file.

filtered with 8.0 kHz low-pass filter
signal level changed

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hawb.fft		
Tol. scheme file	521_rcv_frq_man_hawb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	8000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay 120.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)
Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(39#)

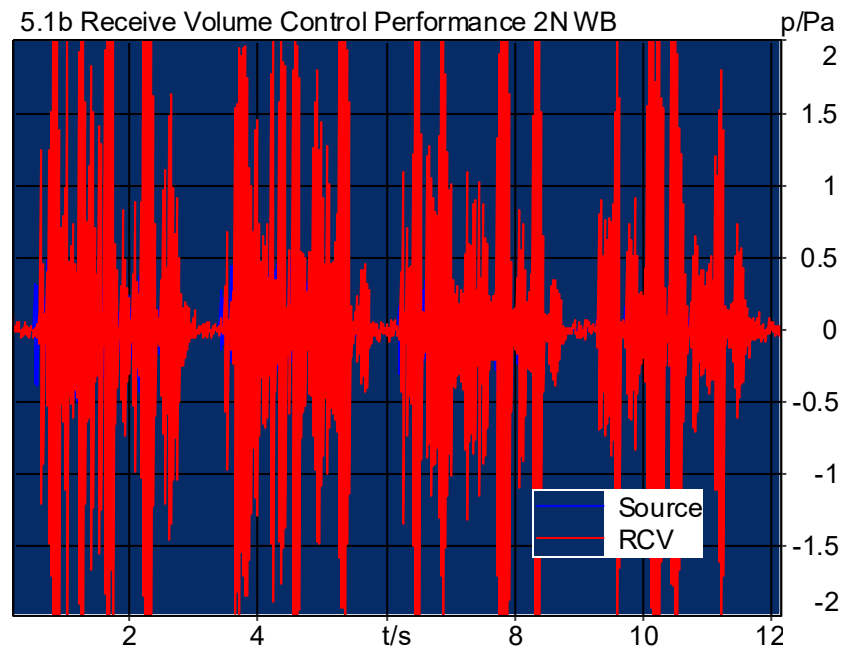
Measurement Object	Ti-CC26050303-WiFi5.6G
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Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.30	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.39	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.06	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.83	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.88	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.36	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	47.83	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	50.75	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.20	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	51.95	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.80	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.68	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	50.44	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.06	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	57.79	Ti-CC26050303-WiFi5.6G
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4620.1 Hz	1.15	Ti-CC26050303-WiFi5.6G

5.1b Receive Volume Control Performance 2N WB

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	85.30 dB[SPL]	84.10%	Ok

Ok

2026/6/8 11:31 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms
Bandpass filter Super Wideband
Range length 12000.00 ms
Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

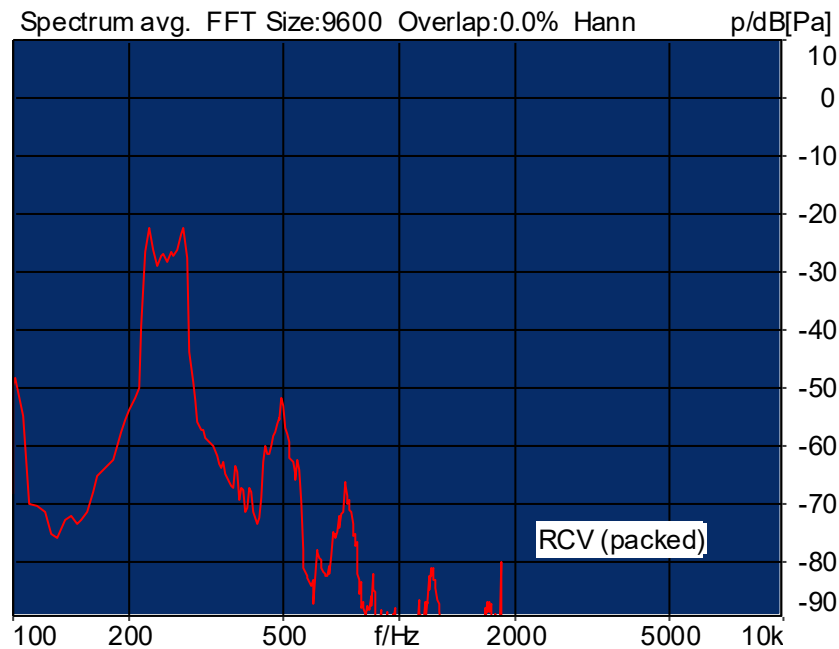
Input Ch.2

Line

Microphone

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 32.39 dB (2.40%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_250hz_sr20dbm0_v02.dat.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	190.0 Hz	Stimulus max.	315.0 Hz
Analysis min.	20.0 Hz	Analysis max.	185.0 Hz
Analysis (2) min.	320.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_250Hz

Hardware Config Settings

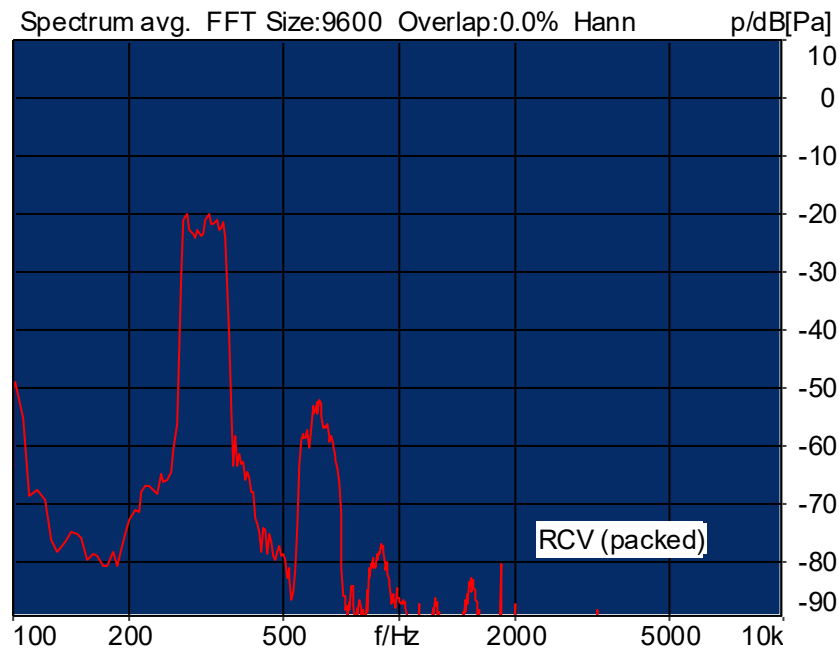
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 34.06 dB (1.98%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_315hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	245.0 Hz	Stimulus max.	390.0 Hz
Analysis min.	20.0 Hz	Analysis max.	240.0 Hz
Analysis (2) min.	395.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_315Hz

Hardware Config Settings

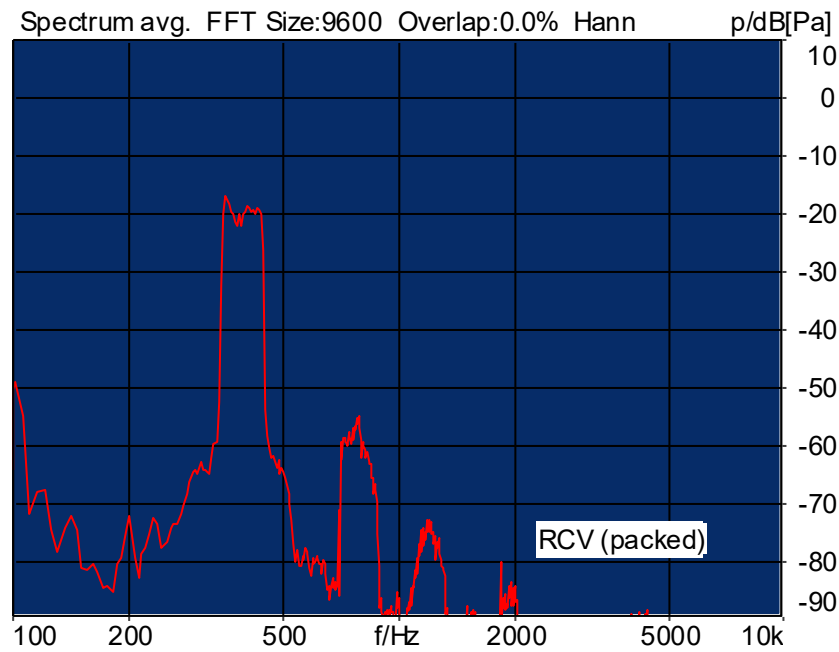
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 37.83 dB (1.28%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_400hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	320.0 Hz	Stimulus max.	480.0 Hz
Analysis min.	20.0 Hz	Analysis max.	315.0 Hz
Analysis (2) min.	485.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_400Hz

Hardware Config Settings

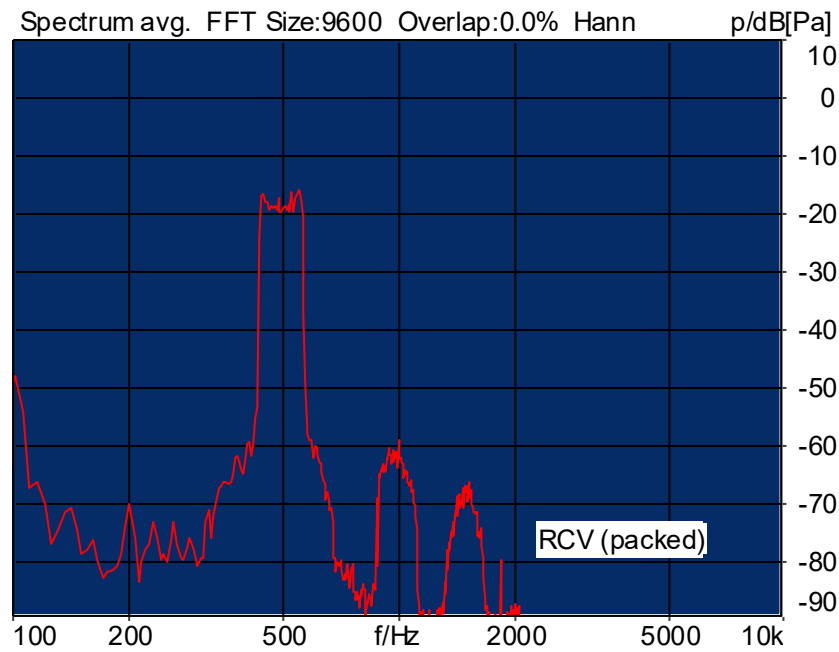
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 40.88 dB (0.90%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	410.0 Hz	Stimulus max.	595.0 Hz
Analysis min.	20.0 Hz	Analysis max.	405.0 Hz
Analysis (2) min.	600.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_500Hz

Hardware Config Settings

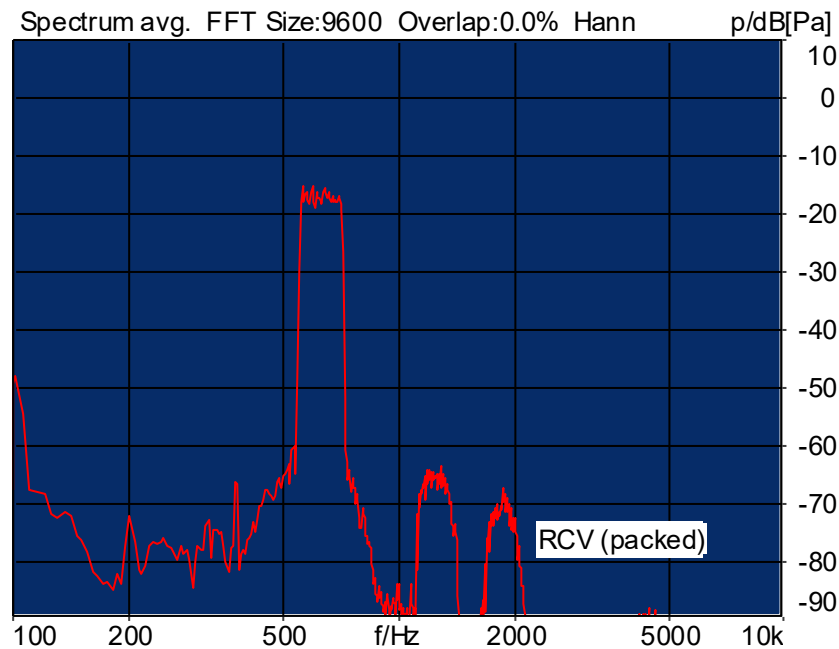
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 44.36 dB (0.61%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_630Hz

Hardware Config Settings

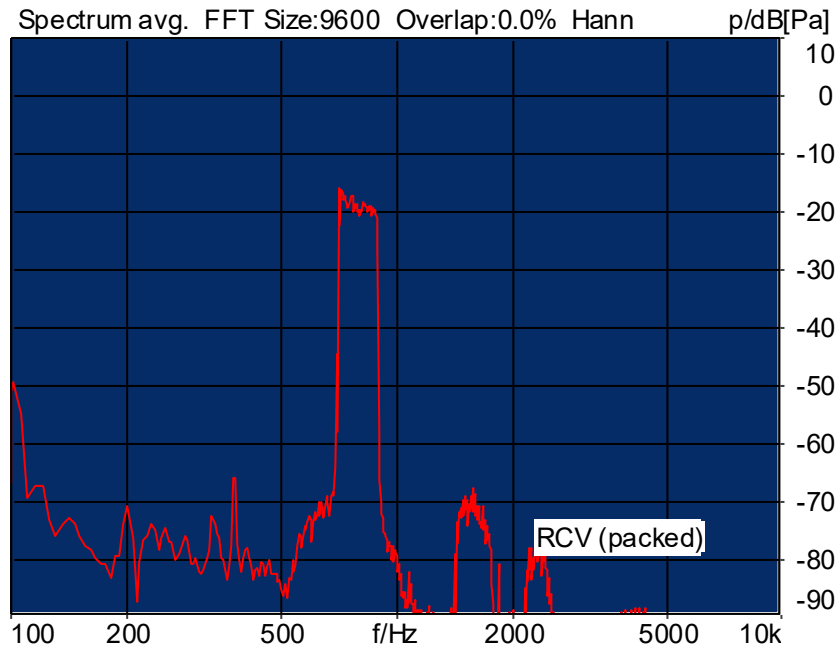
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 47.83 dB (0.41%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_800hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_800Hz

Hardware Config Settings

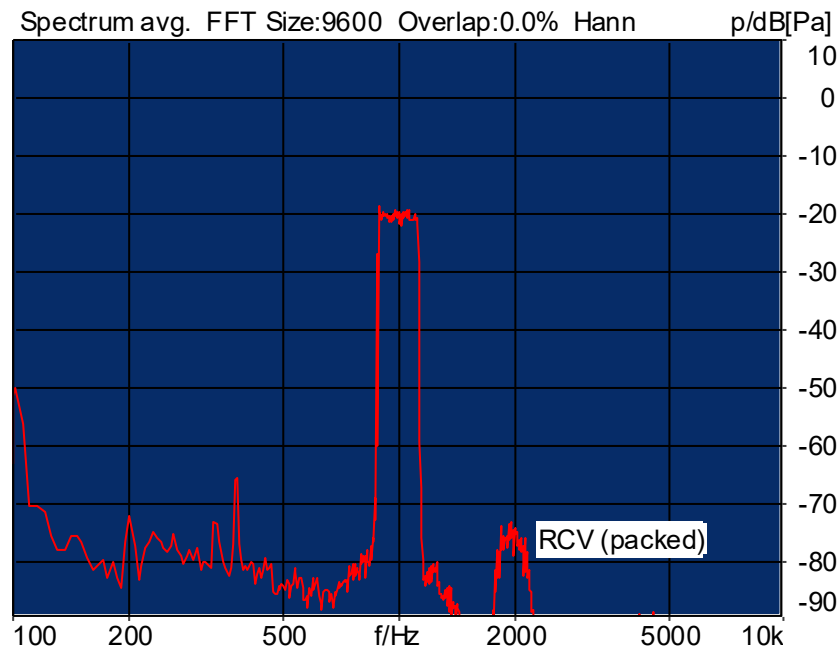
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 50.75 dB (0.29%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1000Hz

Hardware Config Settings

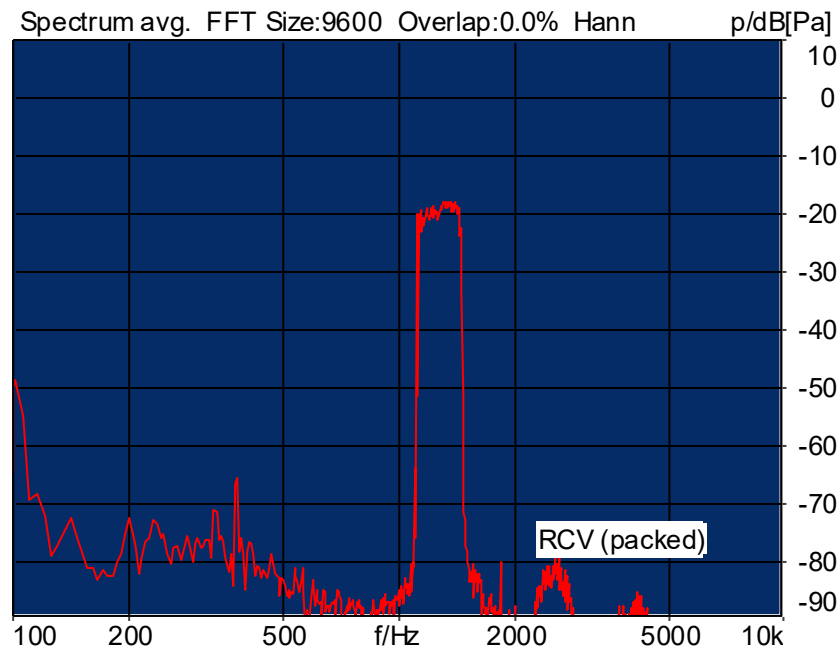
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 31.20 dB (2.75%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1250Hz

Hardware Config Settings

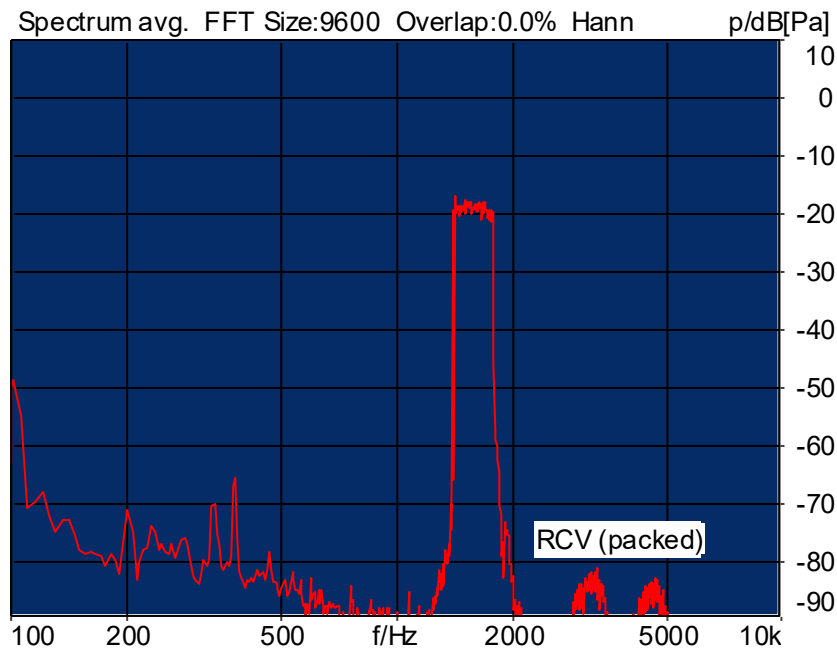
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 51.95 dB (0.25%) Ok

Ok

2026/6/8 11:35 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1600Hz

Hardware Config Settings

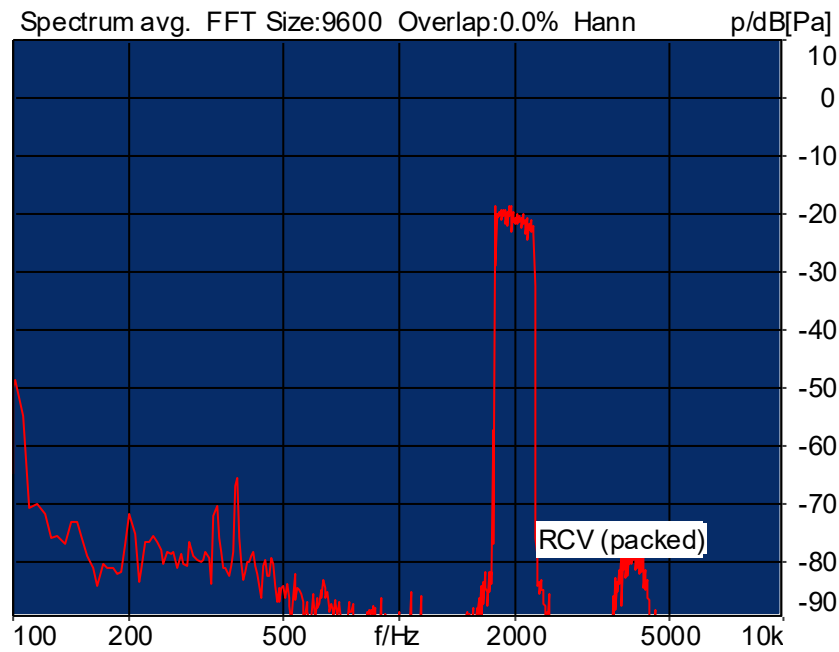
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 53.80 dB (0.20%) Ok

Ok

2026/6/8 11:35 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2000Hz

Hardware Config Settings

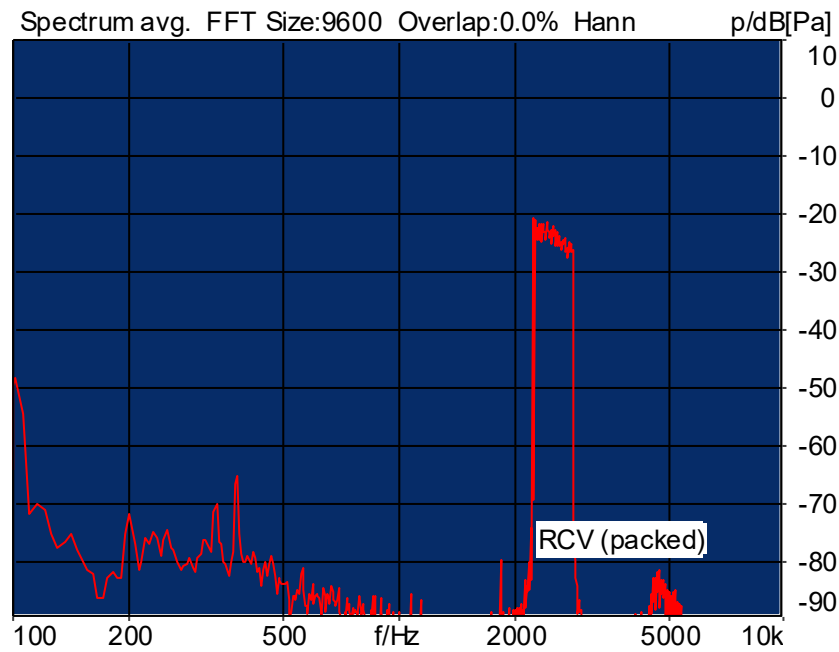
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 53.68 dB (0.21%) Ok

Ok

2026/6/8 11:36 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2500Hz

Hardware Config Settings

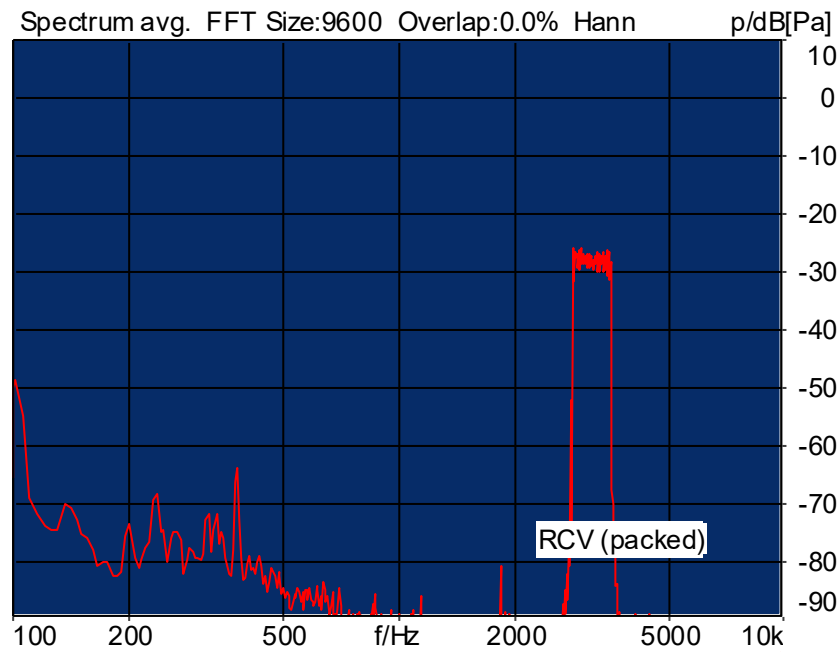
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 50.44 dB (0.30%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_3150Hz

Hardware Config Settings

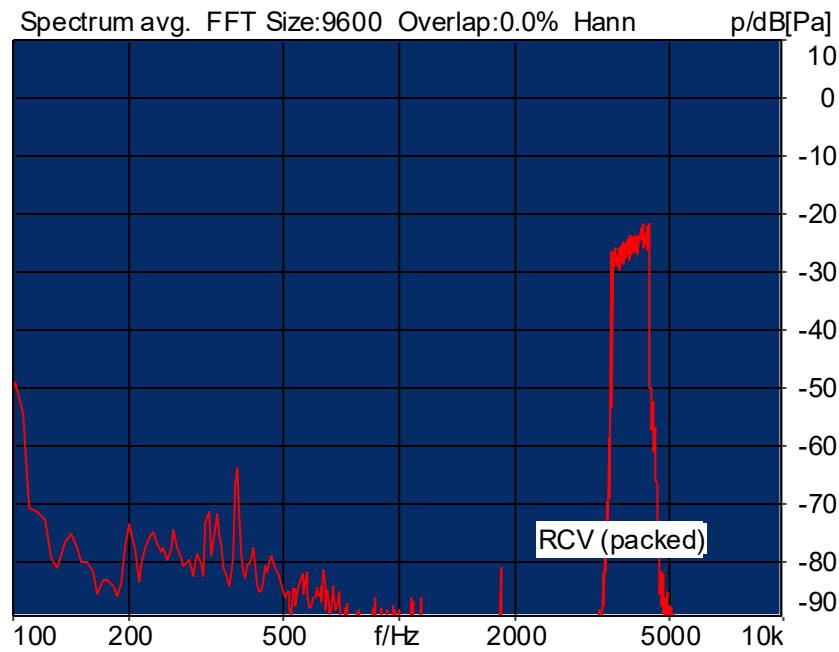
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 38.06 dB (1.25%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_4000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	3515.0 Hz	Stimulus max.	4500.0 Hz
Analysis min.	20.0 Hz	Analysis max.	3510.0 Hz
Analysis (2) min.	4505.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_4000Hz

Hardware Config Settings

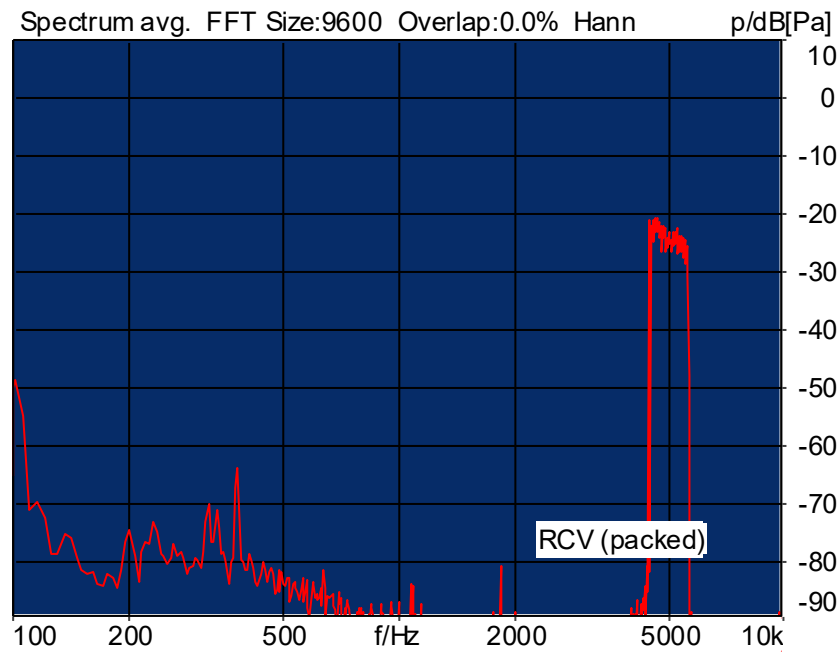
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 57.79 dB (0.13%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_5000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	4430.0 Hz	Stimulus max.	5660.0 Hz
Analysis min.	20.0 Hz	Analysis max.	4425.0 Hz
Analysis (2) min.	5665.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_5000Hz

Hardware Config Settings

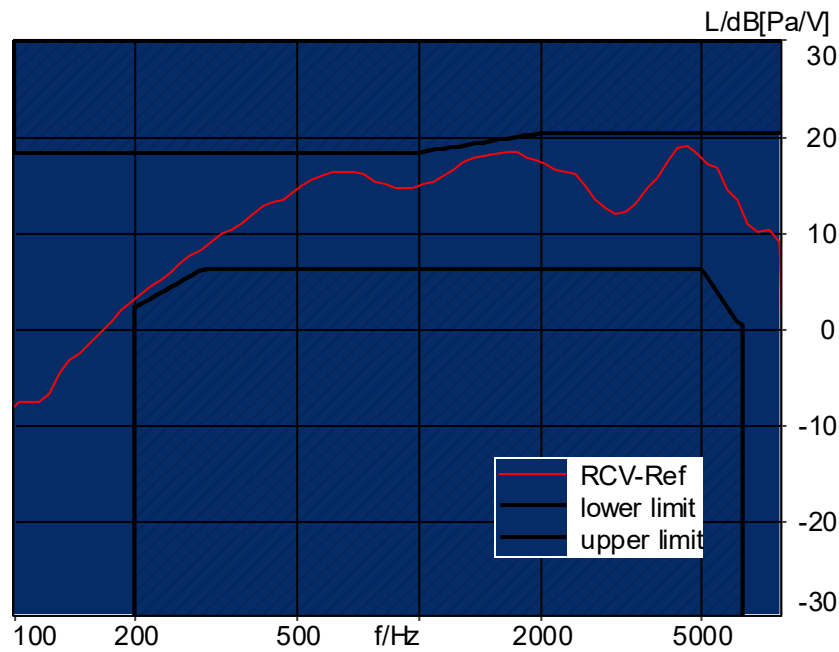
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 2N FF

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Absolute minimal distance
1.15 dB at 4620.1 Hz Ok

Ok

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Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: respmaleieee269_wb_r20_v01.dat

Level adjustment Channel 1 Gain -90.00 dB

WIDEBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -22,2 dBV, margin 15.9 dB +

Pause till end of file

Signal level (ch2): -22,2 dBV Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the and of the file.

filtered with 8.0 kHz low-pass filter
signal level changed

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hawb.fft		
Tol. scheme file	521_rcv_frq_man_hawb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	8000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay 111.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)
Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(40#)

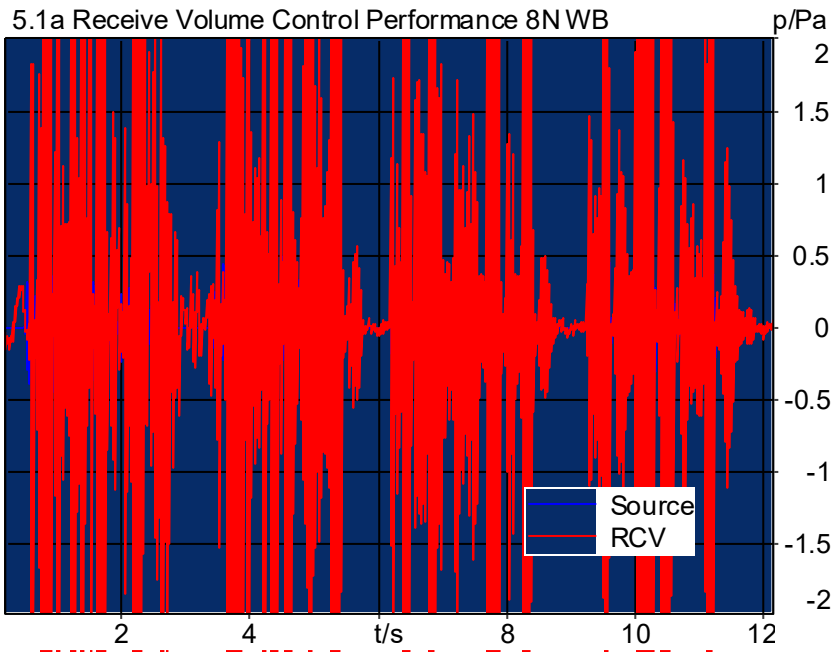
Measurement Object	Ti-CC26050303-WiFi5.6G
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Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.18	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	28.89	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.45	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.50	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.34	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.05	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	43.84	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.52	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.62	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.31	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.50	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	51.23	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	47.81	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	52.88	Ti-CC26050303-WiFi5.6G
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	56.08	Ti-CC26050303-WiFi5.6G
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 649.1 Hz	1.50	Ti-CC26050303-WiFi5.6G

5.1a Receive Volume Control Performance 8N WB

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	90.18 dB[SPL]	81.22%	Ok

Ok

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Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms
Bandpass filter Super Wideband
Range length 12000.00 ms
Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

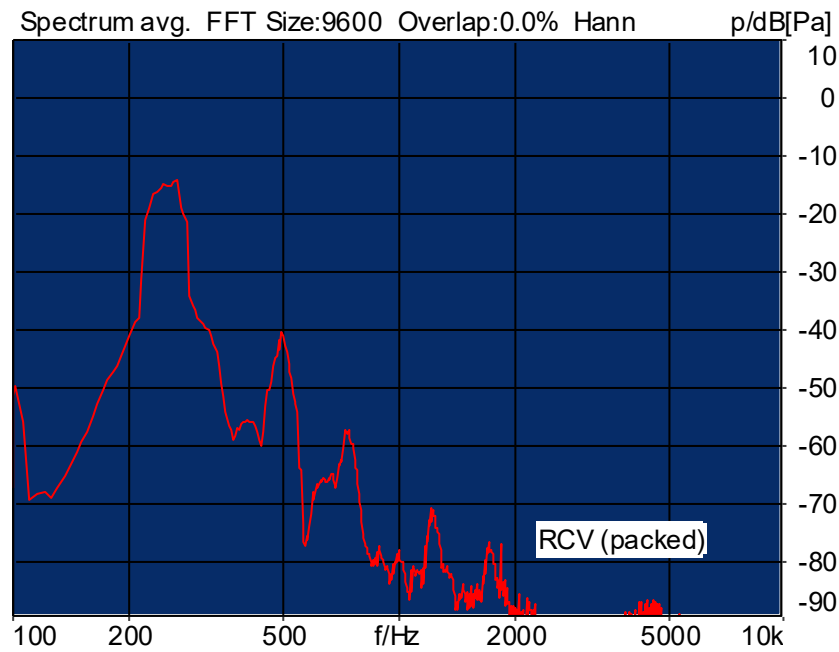
Input Ch.2

Line

Microphone

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 28.89 dB (3.60%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_250hz_sr20dbm0_v02.dat.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	190.0 Hz	Stimulus max.	315.0 Hz
Analysis min.	20.0 Hz	Analysis max.	185.0 Hz
Analysis (2) min.	320.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_250Hz

Hardware Config Settings

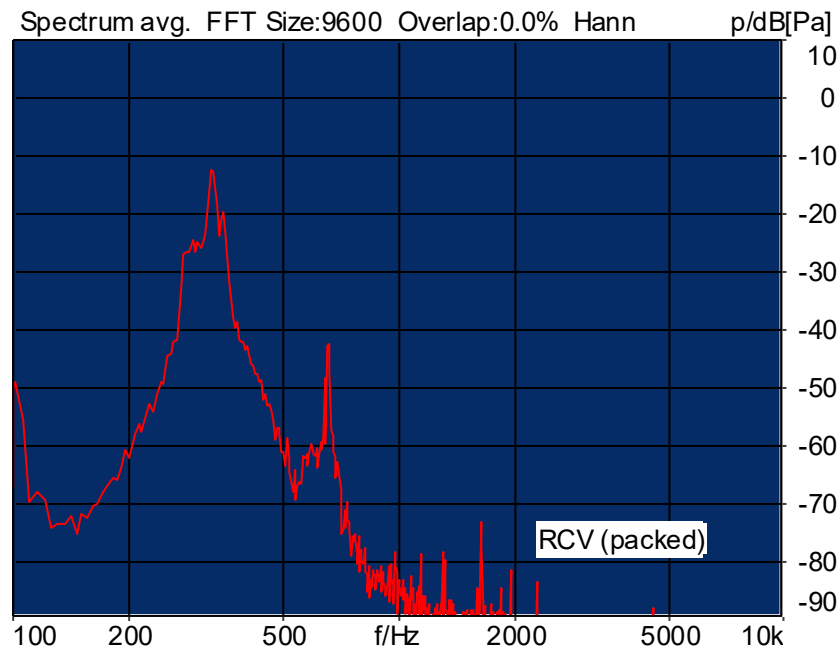
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 29.45 dB (3.37%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_315hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	245.0 Hz	Stimulus max.	390.0 Hz
Analysis min.	20.0 Hz	Analysis max.	240.0 Hz
Analysis (2) min.	395.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_315Hz

Hardware Config Settings

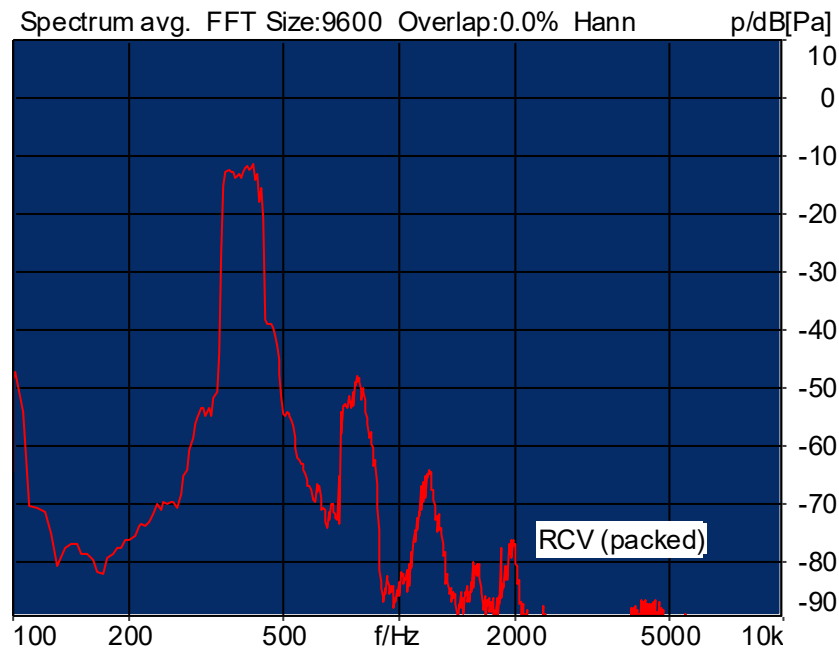
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 36.50 dB (1.50%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_400hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	320.0 Hz	Stimulus max.	480.0 Hz
Analysis min.	20.0 Hz	Analysis max.	315.0 Hz
Analysis (2) min.	485.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_400Hz

Hardware Config Settings

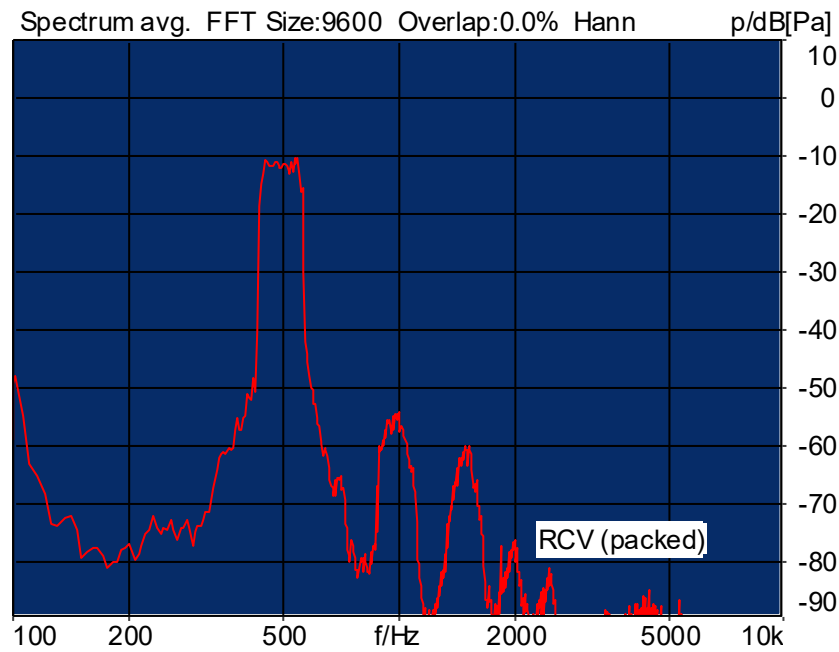
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 41.34 dB (0.86%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	410.0 Hz	Stimulus max.	595.0 Hz
Analysis min.	20.0 Hz	Analysis max.	405.0 Hz
Analysis (2) min.	600.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_500Hz

Hardware Config Settings

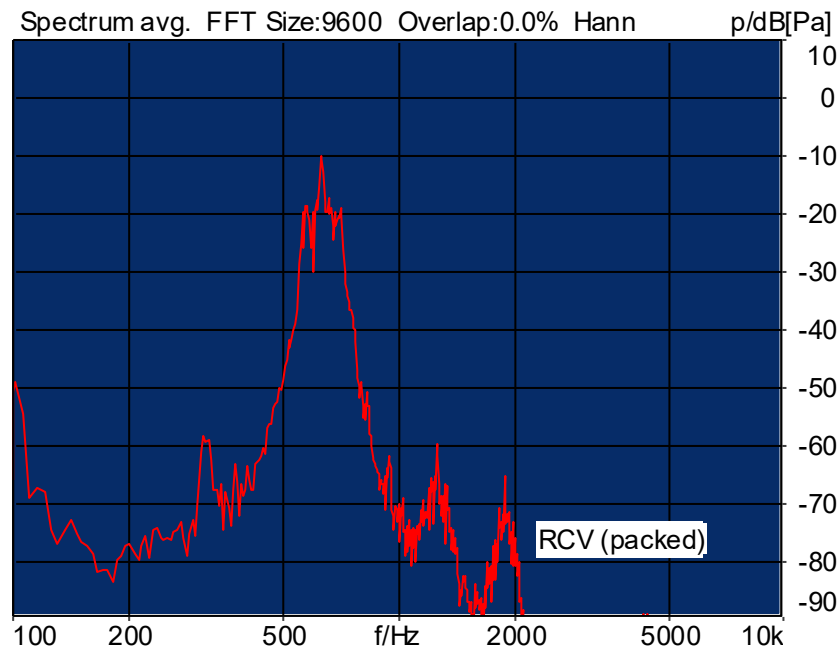
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 29.05 dB (3.53%) Ok

Ok

2026/6/8 12:18 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_630Hz

Hardware Config Settings

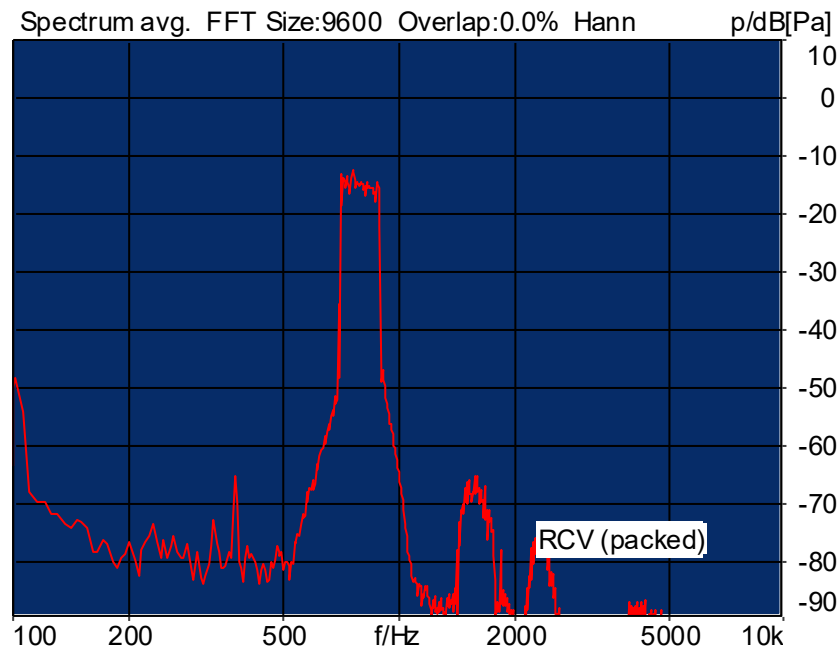
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



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

Ok

2026/6/8 12:18 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_800hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_800Hz

Hardware Config Settings

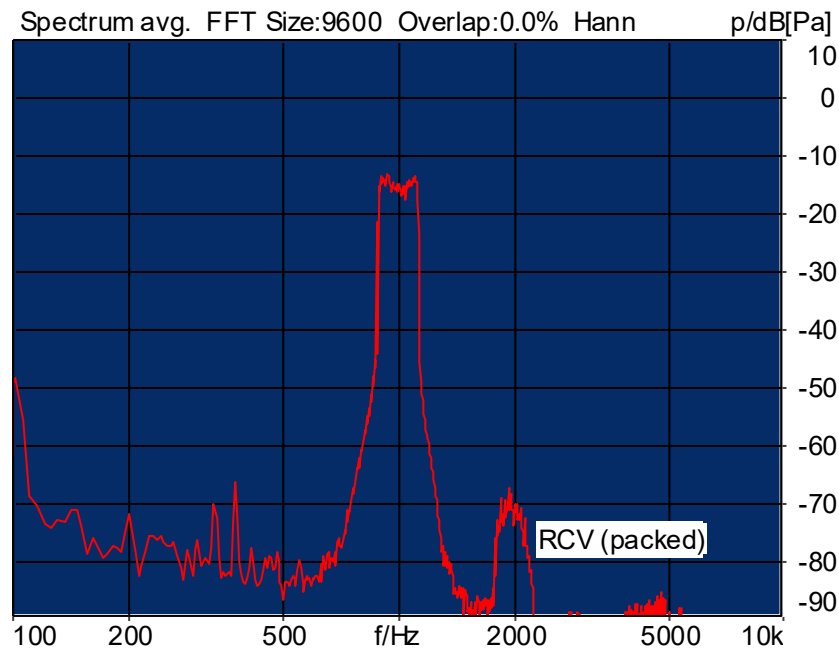
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 44.52 dB (0.59%) Ok

Ok

2026/6/8 12:19 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1000Hz

Hardware Config Settings

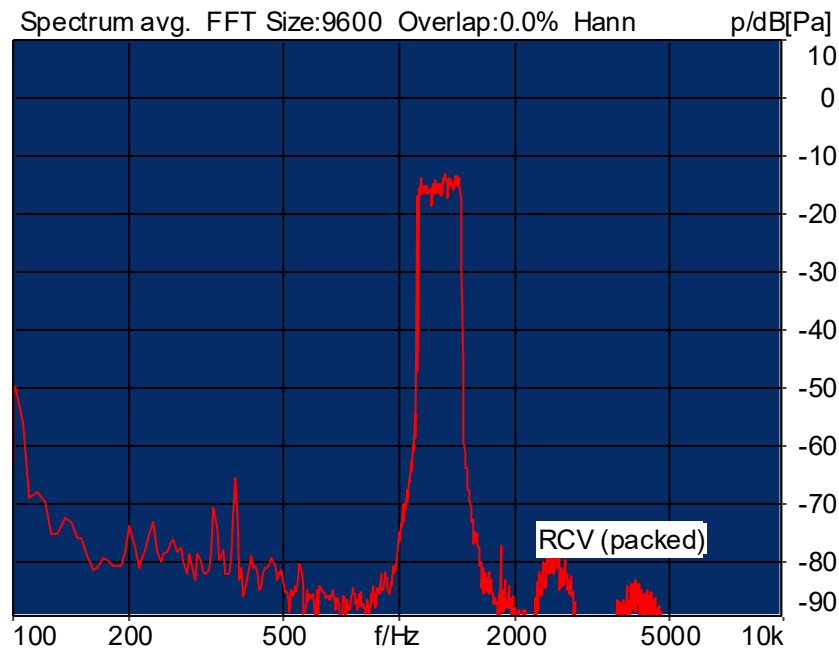
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 31.62 dB (2.63%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1250Hz

Hardware Config Settings

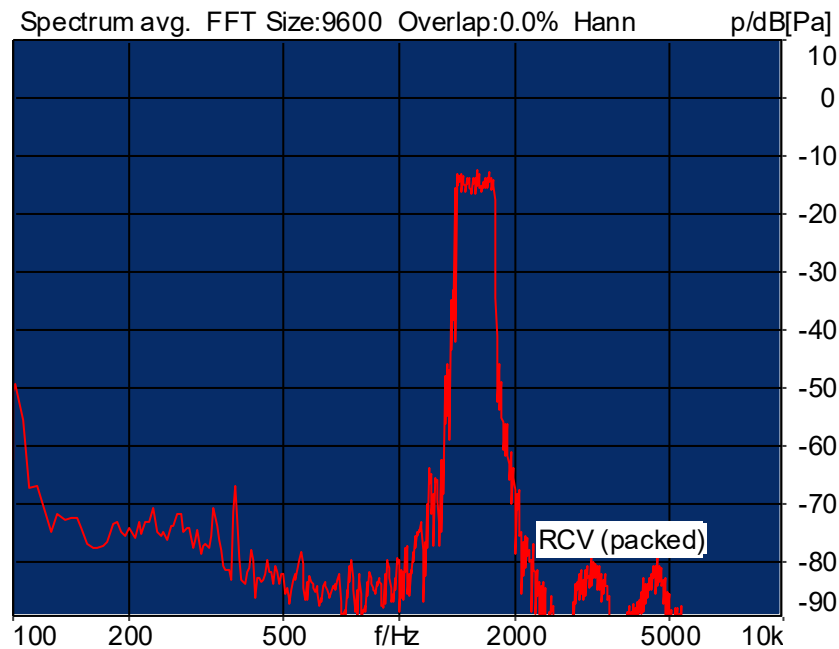
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 37.31 dB (1.36%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1600Hz

Hardware Config Settings

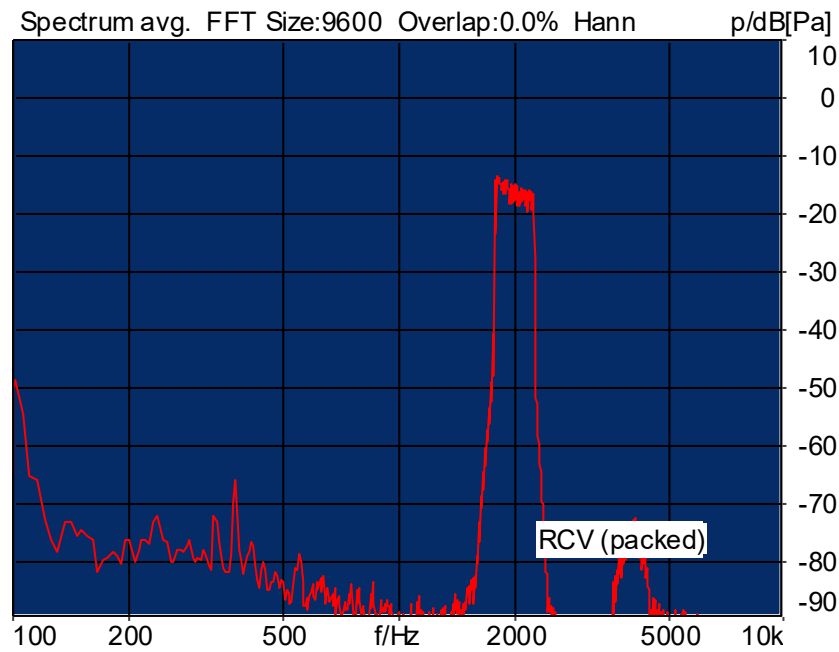
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 44.50 dB (0.60%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2000Hz

Hardware Config Settings

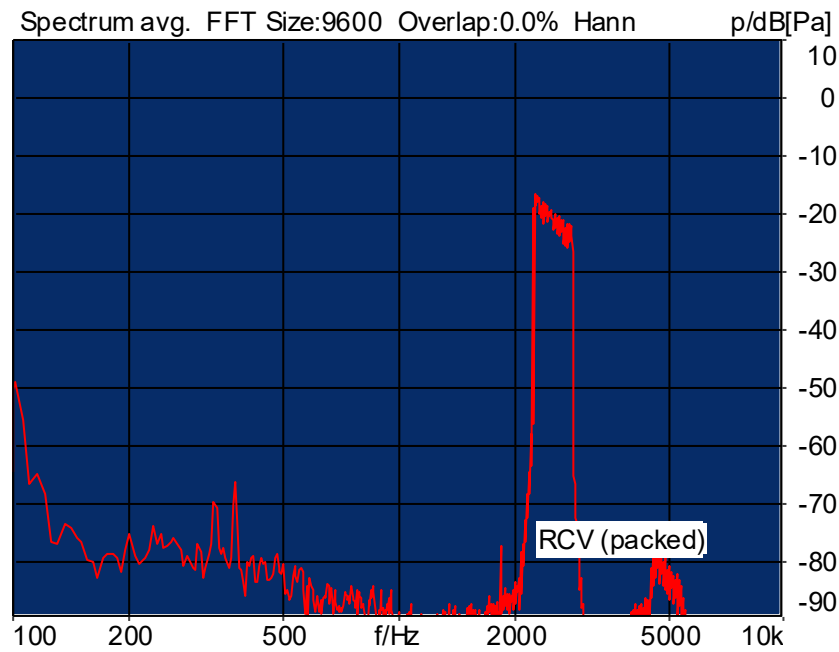
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 51.23 dB (0.27%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2500Hz

Hardware Config Settings

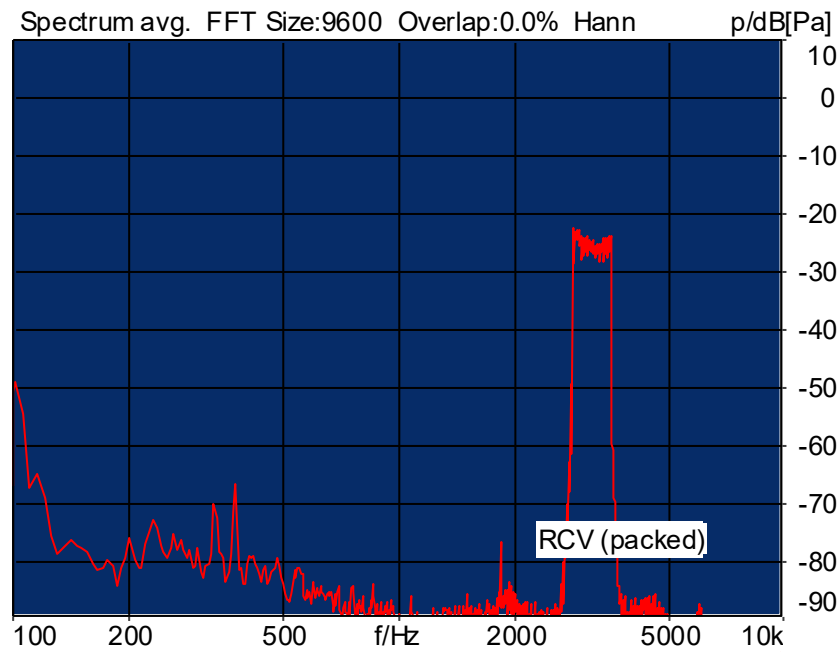
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 47.81 dB (0.41%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_3150Hz

Hardware Config Settings

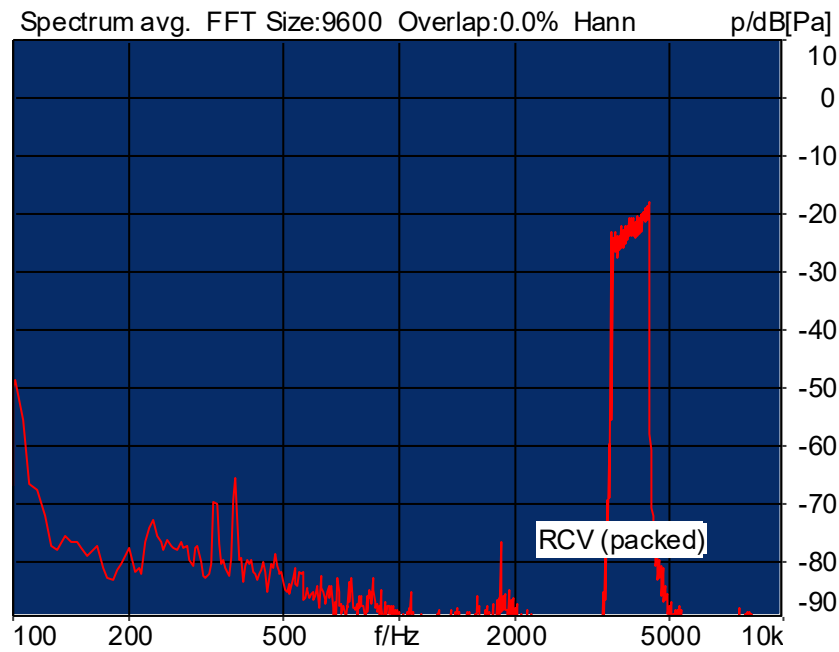
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 52.88 dB (0.23%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_4000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	3515.0 Hz	Stimulus max.	4500.0 Hz
Analysis min.	20.0 Hz	Analysis max.	3510.0 Hz
Analysis (2) min.	4505.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_4000Hz

Hardware Config Settings

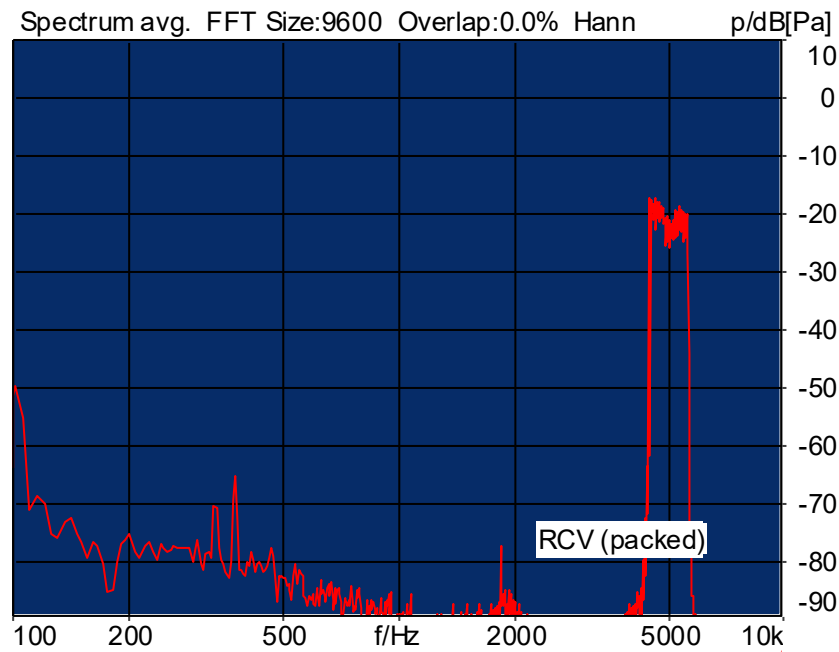
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 56.08 dB (0.16%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_5000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	4430.0 Hz	Stimulus max.	5660.0 Hz
Analysis min.	20.0 Hz	Analysis max.	4425.0 Hz
Analysis (2) min.	5665.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_5000Hz

Hardware Config Settings

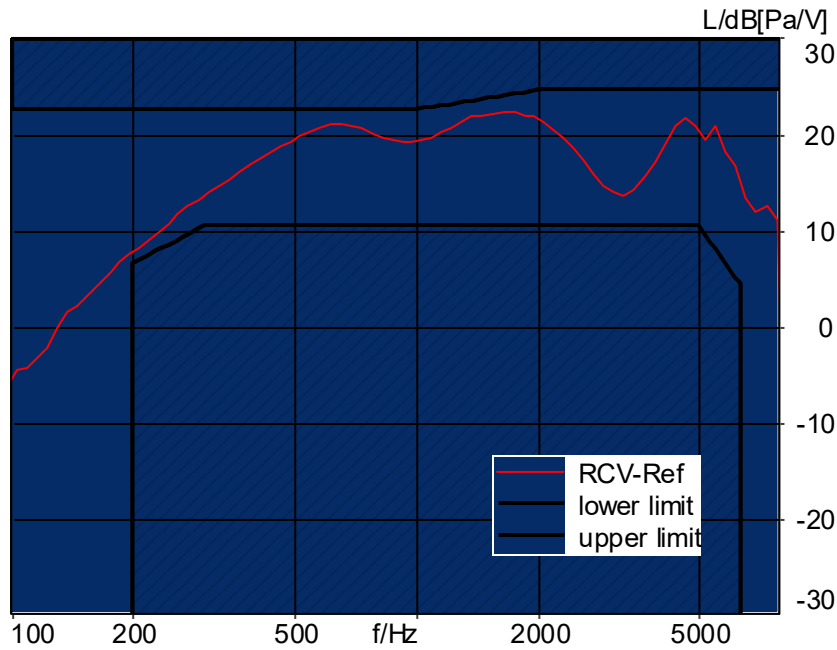
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 8N FF

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Absolute minimal distance
1.50 dB at 649.1 Hz Ok

Ok

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Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: respmaleieee269_wb_r20_v01.dat

Level adjustment Channel 1 Gain -90.00 dB

WIDEBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -22,2 dBV, margin 15.9 dB +

Pause till end of file

Signal level (ch2): -22,2 dBV Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the and of the file.

filtered with 8.0 kHz low-pass filter
signal level changed

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hawb.fft		
Tol. scheme file	521_rcv_frq_man_hawb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	8000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay 164.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)
Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(41#)

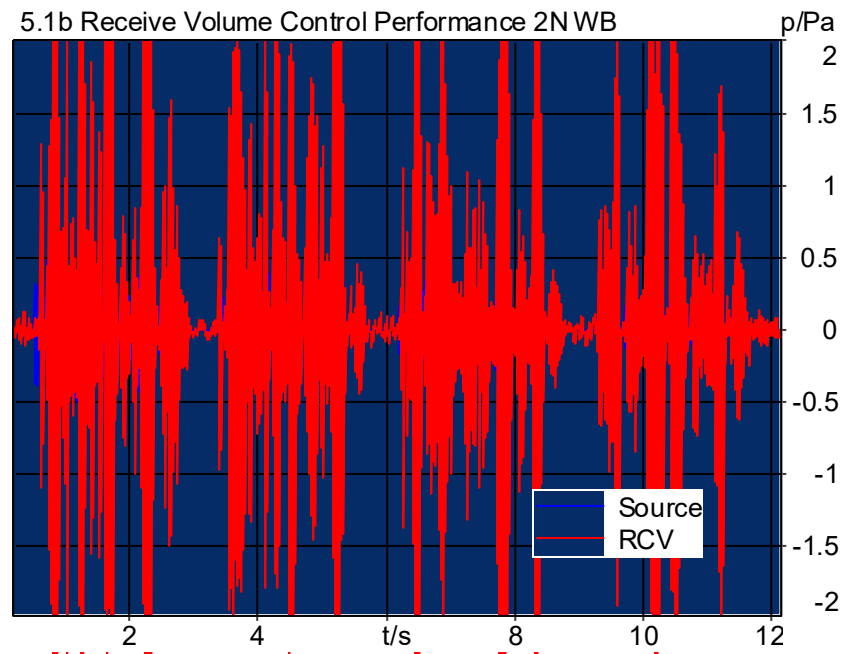
Measurement Object	Ti-CC26050303-WiFi5.8G
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Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.32	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.62	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.85	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	38.62	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	40.06	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	44.13	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	47.25	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	49.76	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.45	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	52.00	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.52	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	53.24	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.53	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	36.43	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	55.94	Ti-CC26050303-WiFi5.8G
5.3 Frequency Response 2N FF	Ok	Min. dist. to tolerance scheme [dB], 4620.1 Hz	0.99	Ti-CC26050303-WiFi5.8G

5.1b Receive Volume Control Performance 2N WB

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	85.32 dB[SPL]	84.23%	Ok

Ok

2026/6/8 11:44 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms
Bandpass filter Super Wideband
Range length 12000.00 ms
Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

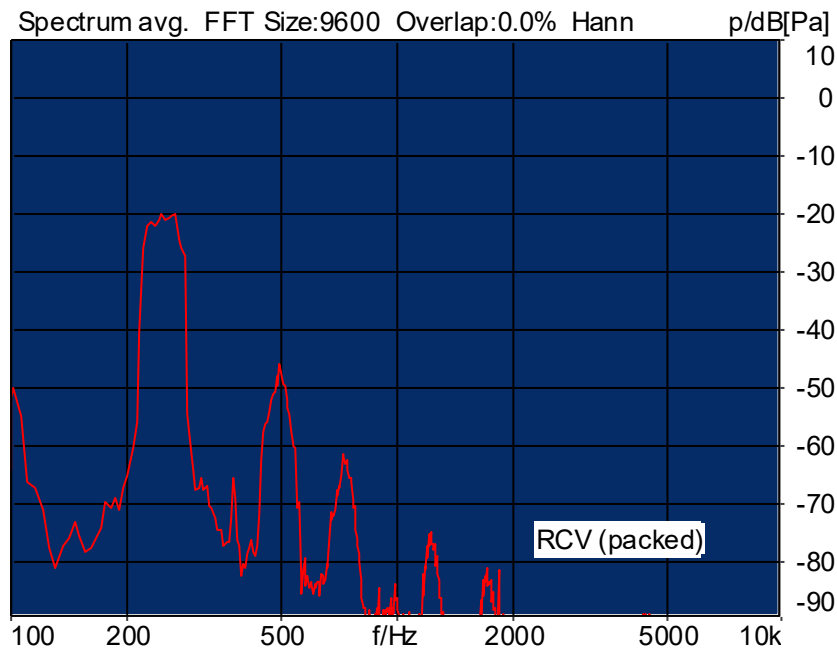
Input Ch.2

Line

Microphone

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 30.62 dB (2.94%) Ok

Ok

2026/6/8 11:44 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_250hz_sr20dbm0_v02.dat.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	190.0 Hz	Stimulus max.	315.0 Hz
Analysis min.	20.0 Hz	Analysis max.	185.0 Hz
Analysis (2) min.	320.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_250Hz

Hardware Config Settings

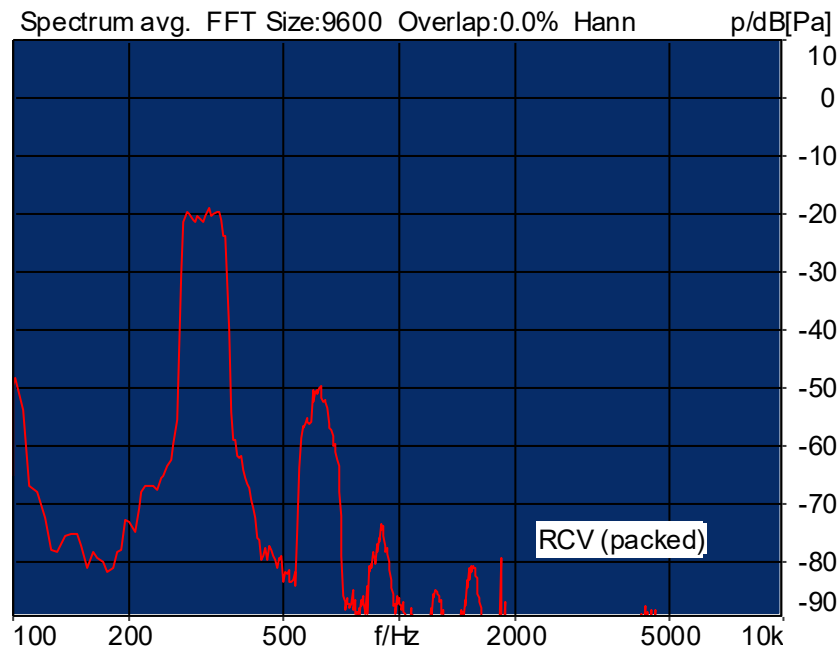
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 32.85 dB (2.28%) Ok

Ok

2026/6/8 11:44 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_315hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	245.0 Hz	Stimulus max.	390.0 Hz
Analysis min.	20.0 Hz	Analysis max.	240.0 Hz
Analysis (2) min.	395.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_315Hz

Hardware Config Settings

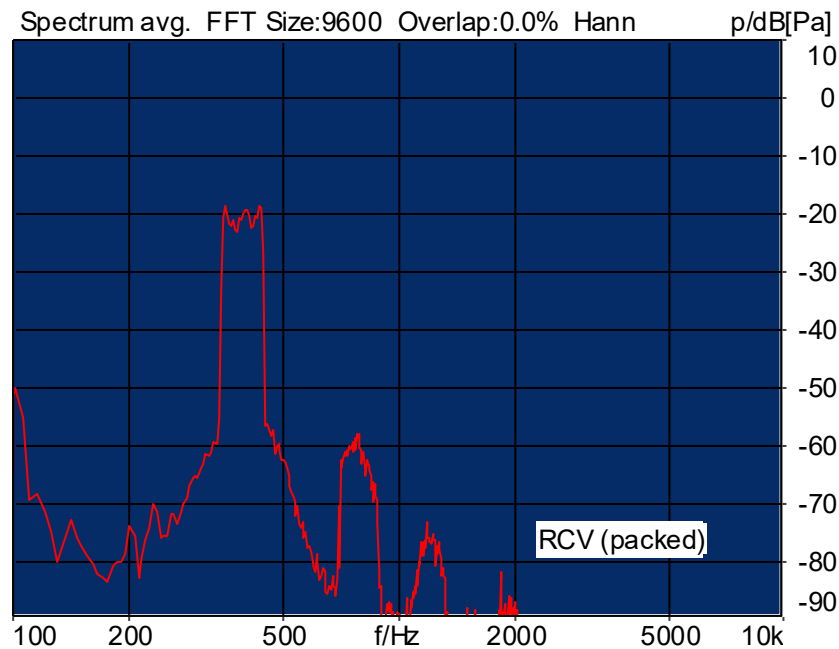
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 38.62 dB (1.17%) Ok

Ok

2026/6/8 11:45 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_400hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	320.0 Hz	Stimulus max.	480.0 Hz
Analysis min.	20.0 Hz	Analysis max.	315.0 Hz
Analysis (2) min.	485.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_400Hz

Hardware Config Settings

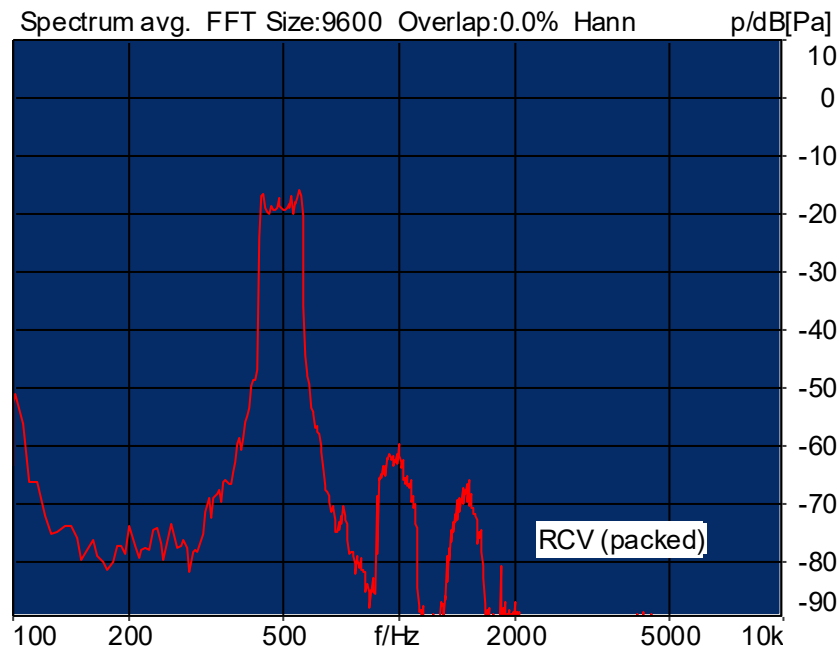
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 40.06 dB (0.99%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	410.0 Hz	Stimulus max.	595.0 Hz
Analysis min.	20.0 Hz	Analysis max.	405.0 Hz
Analysis (2) min.	600.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_500Hz

Hardware Config Settings

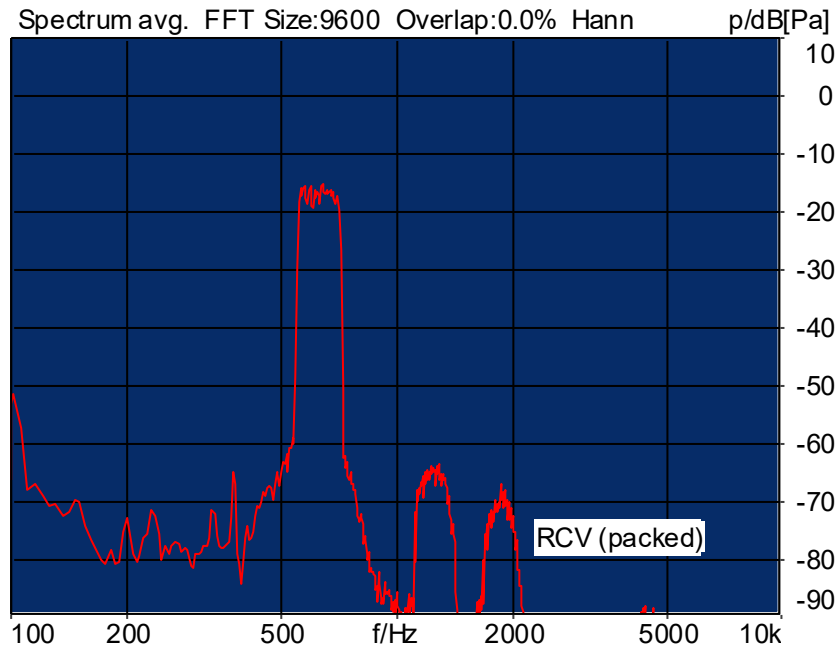
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 44.13 dB (0.62%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_630Hz

Hardware Config Settings

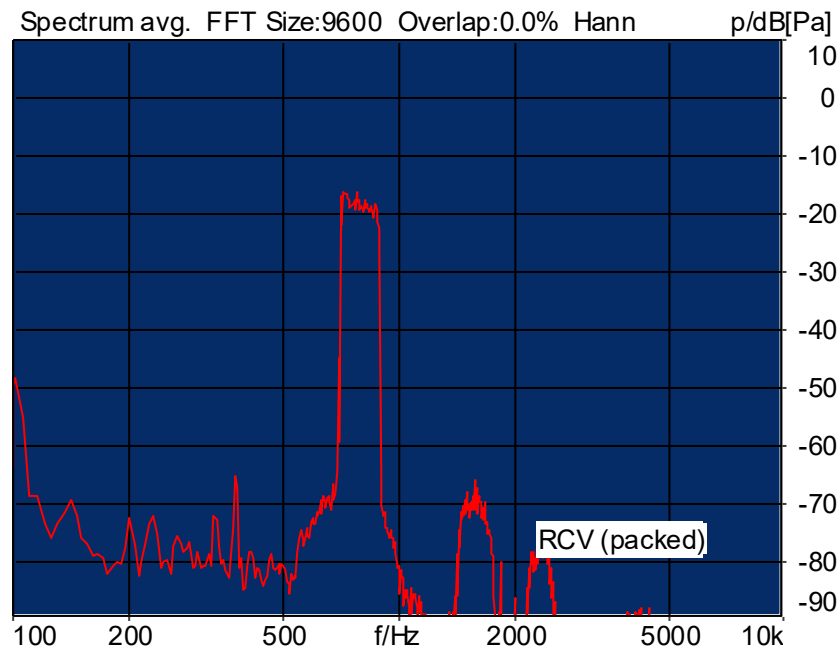
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 47.25 dB (0.43%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_800hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_800Hz

Hardware Config Settings

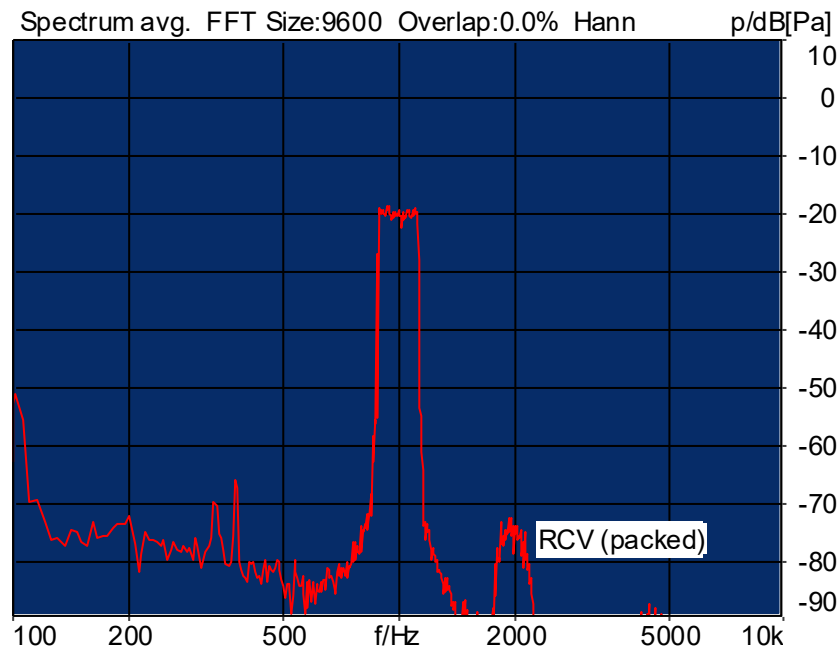
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 49.76 dB (0.33%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1000Hz

Hardware Config Settings

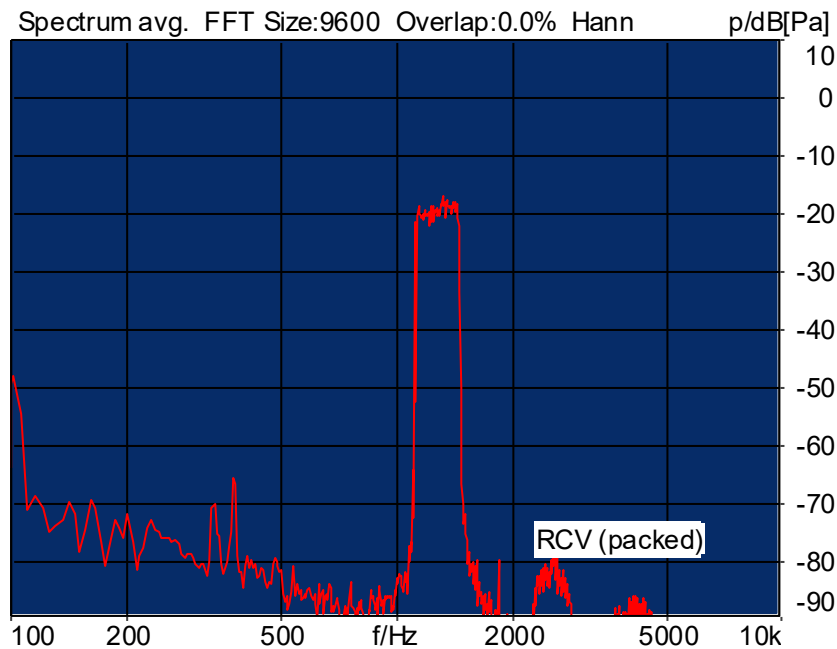
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 31.45 dB (2.68%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1250Hz

Hardware Config Settings

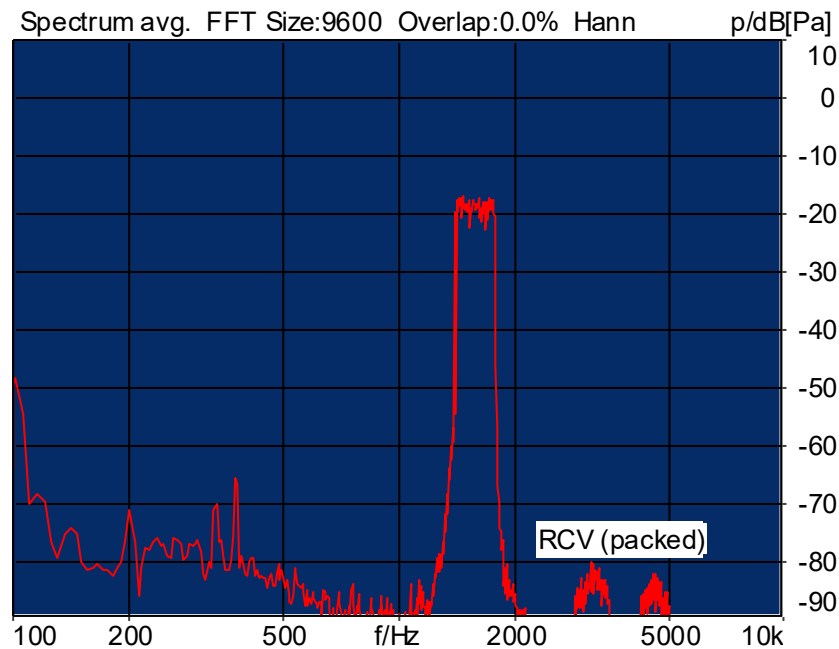
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 52.00 dB (0.25%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1600Hz

Hardware Config Settings

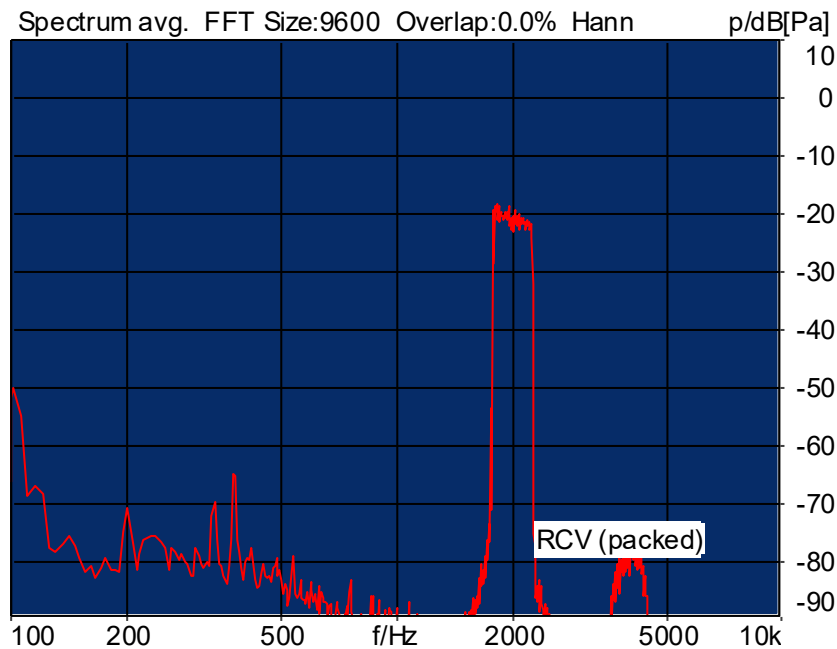
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 53.52 dB (0.21%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2000Hz

Hardware Config Settings

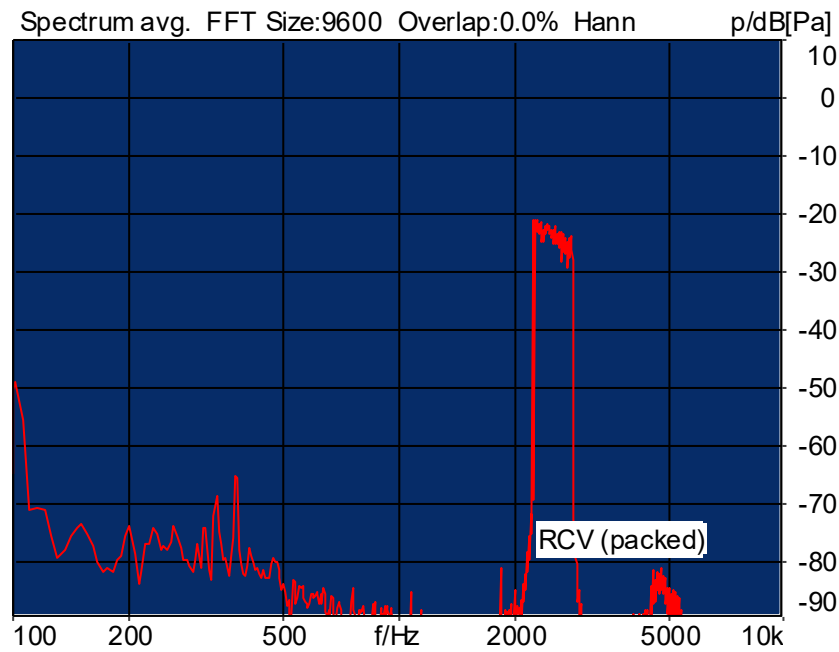
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 53.24 dB (0.22%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2500Hz

Hardware Config Settings

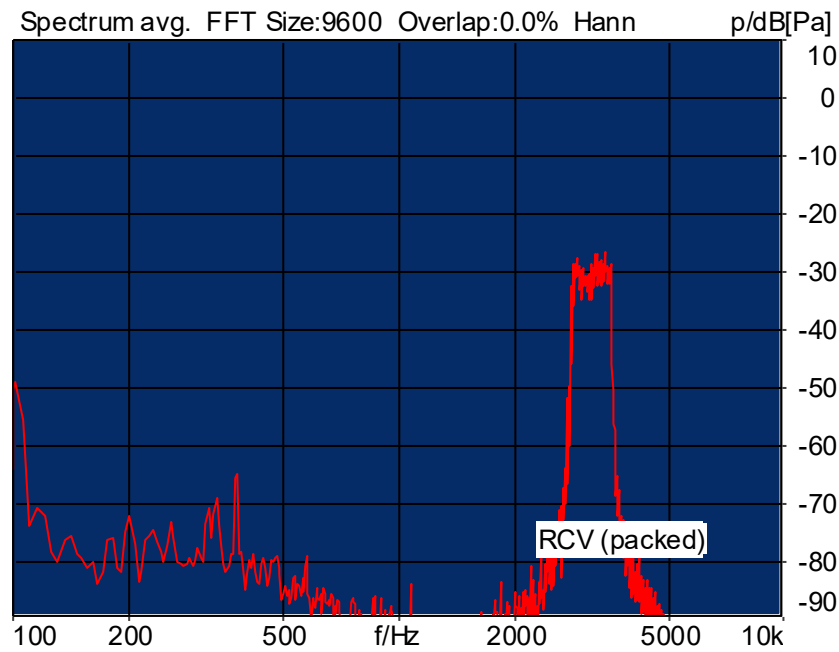
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 30.53 dB (2.98%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_3150Hz

Hardware Config Settings

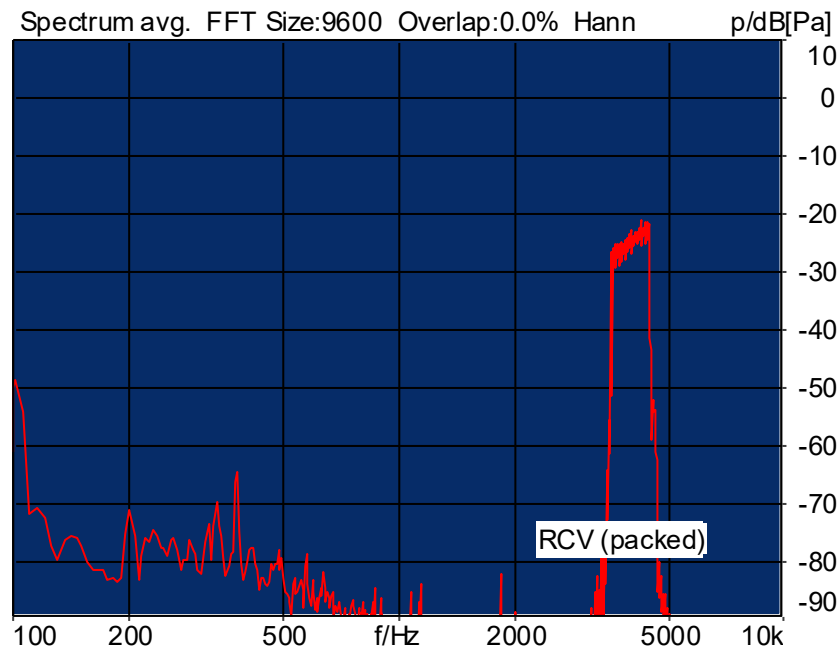
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 36.43 dB (1.51%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_4000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	3515.0 Hz	Stimulus max.	4500.0 Hz
Analysis min.	20.0 Hz	Analysis max.	3510.0 Hz
Analysis (2) min.	4505.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_4000Hz

Hardware Config Settings

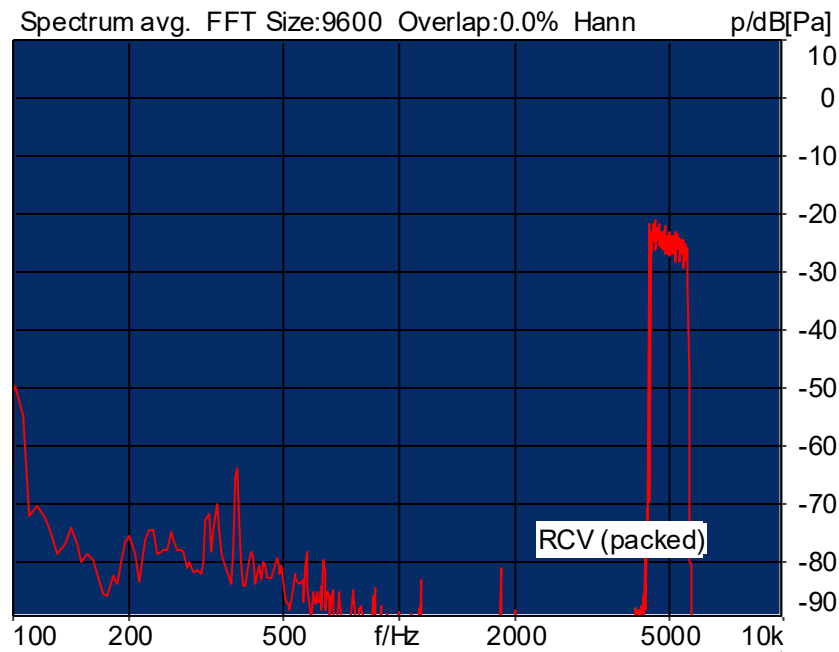
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 2N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 55.94 dB (0.16%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_5000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	4430.0 Hz	Stimulus max.	5660.0 Hz
Analysis min.	20.0 Hz	Analysis max.	4425.0 Hz
Analysis (2) min.	5665.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_5000Hz

Hardware Config Settings

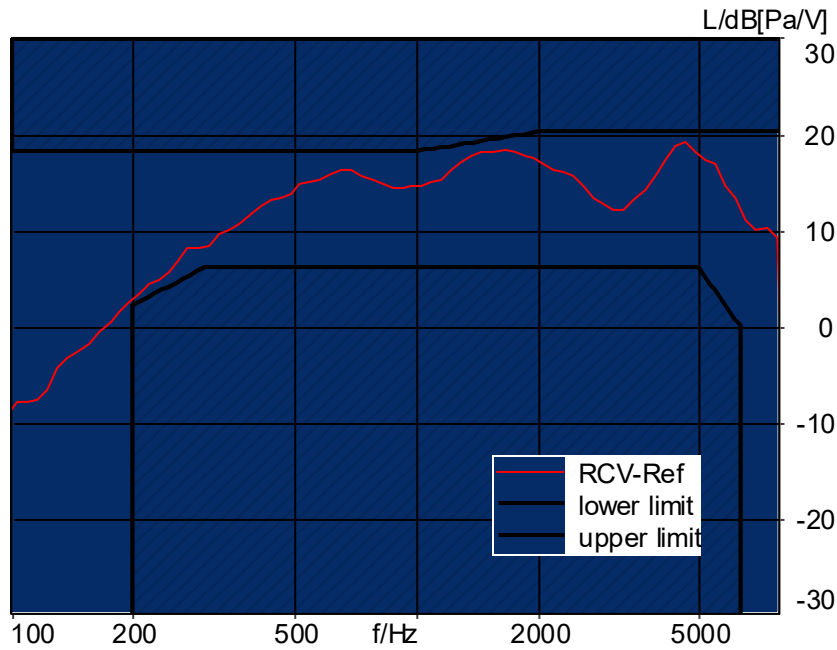
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 2N FF

TIA-5050 (2018-01) \ Measurements \ Wideband
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Absolute minimal distance
0.99 dB at 4620.1 Hz Ok

Ok

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Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: respmaleieee269_wb_r20_v01.dat

Level adjustment Channel 1 Gain -90.00 dB

WIDEBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -22,2 dBV, margin 15.9 dB +

Pause till end of file

Signal level (ch2): -22,2 dBV Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the and of the file.

filtered with 8.0 kHz low-pass filter
signal level changed

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hawb.fft		
Tol. scheme file	521_rcv_frq_man_hawb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	8000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay 126.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)
Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(42#)

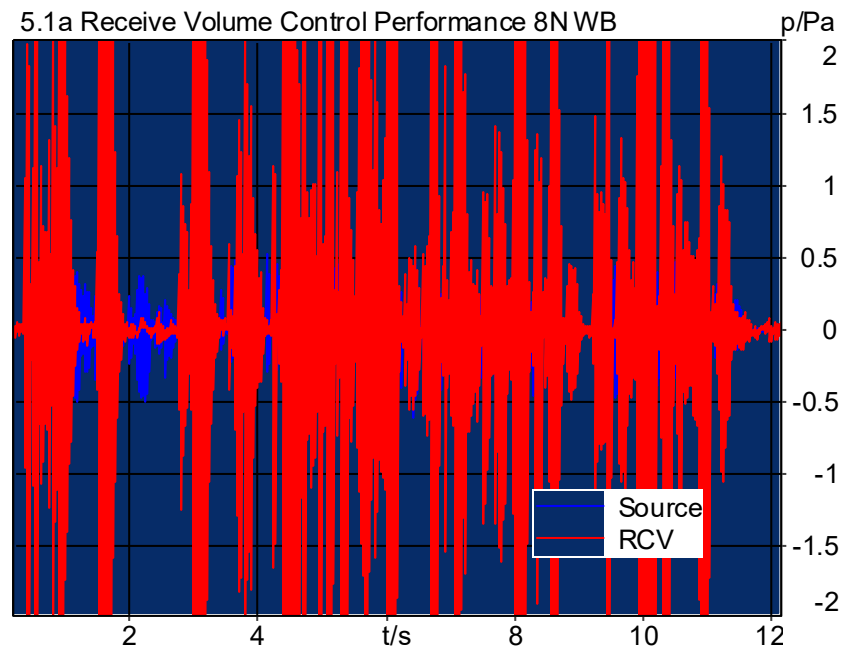
Measurement Object	Ti-CC26050303-WiFi5.8G
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Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.03	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.27	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 315 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	23.41	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 400 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	29.51	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	31.14	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 630 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.36	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 800 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	34.45	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 1000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	25.27	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 1250 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	22.72	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 1600 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	37.43	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 2000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	32.67	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 2500 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	41.75	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 3150 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	39.37	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 4000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	30.81	Ti-CC26050303-WiFi5.8G
5.2 RCV Distortion and Noise - 5000 Hz WB	Ok	Distortion (Noise) [dB], 0.0 dB	35.18	Ti-CC26050303-WiFi5.8G
5.3 Frequency Response 8N FF	Ok	Min. dist. to tolerance scheme [dB], 576.7 Hz	1.43	Ti-CC26050303-WiFi5.8G

5.1a Receive Volume Control Performance 8N WB

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	89.03 dB[SPL]	84.42%	Ok

Ok

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Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms
Bandpass filter Super Wideband
Range length 12000.00 ms
Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fff

Special Features

Show source signal Source ch.2

Compensate delay 848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

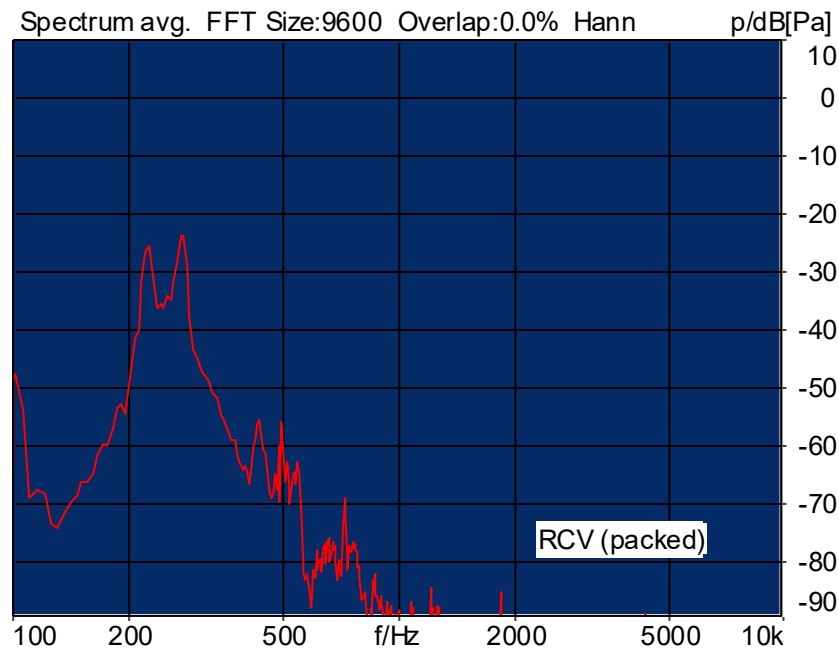
Input Ch.2

Line

Microphone

5.2 RCV Distortion and Noise - 250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



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

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_250hz_sr20dbm0_v02.dat.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	190.0 Hz	Stimulus max.	315.0 Hz
Analysis min.	20.0 Hz	Analysis max.	185.0 Hz
Analysis (2) min.	320.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_250Hz

Hardware Config Settings

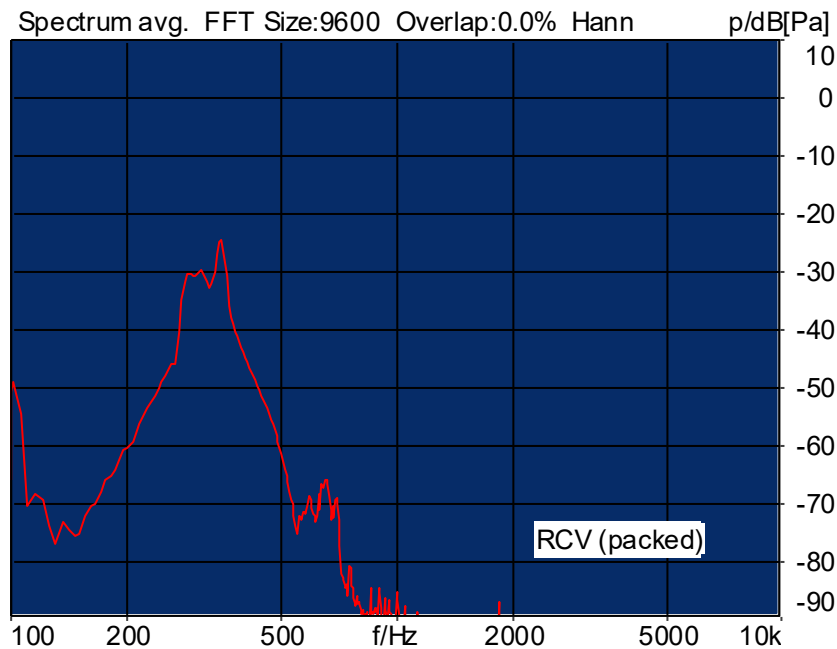
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 315 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 23.41 dB (6.75%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: **act_rpn_b250ms_315hz_sr20dbm0_v02.dat**

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	245.0 Hz	Stimulus max.	390.0 Hz
Analysis min.	20.0 Hz	Analysis max.	240.0 Hz
Analysis (2) min.	395.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_315Hz

Hardware Config Settings

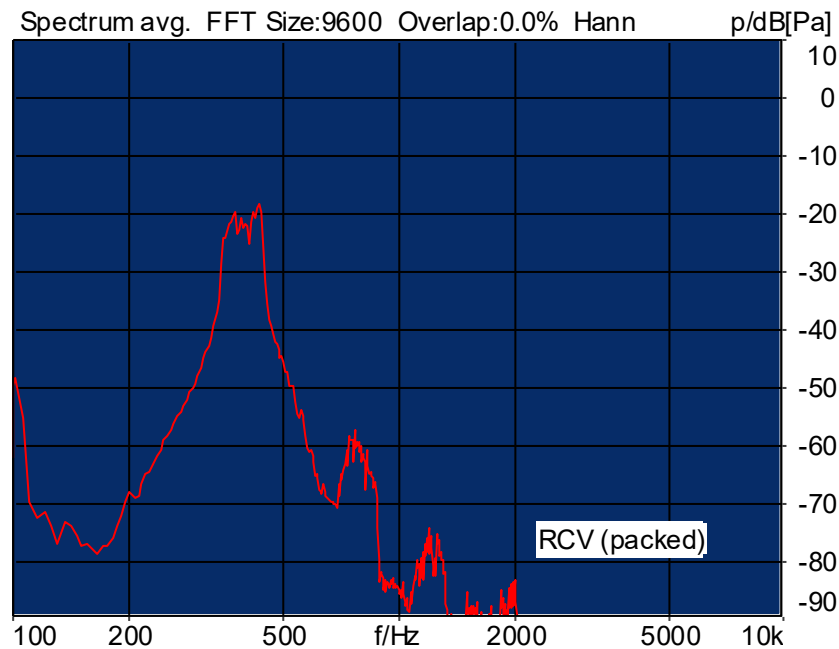
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 400 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 29.51 dB (3.35%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_400hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	320.0 Hz	Stimulus max.	480.0 Hz
Analysis min.	20.0 Hz	Analysis max.	315.0 Hz
Analysis (2) min.	485.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_400Hz

Hardware Config Settings

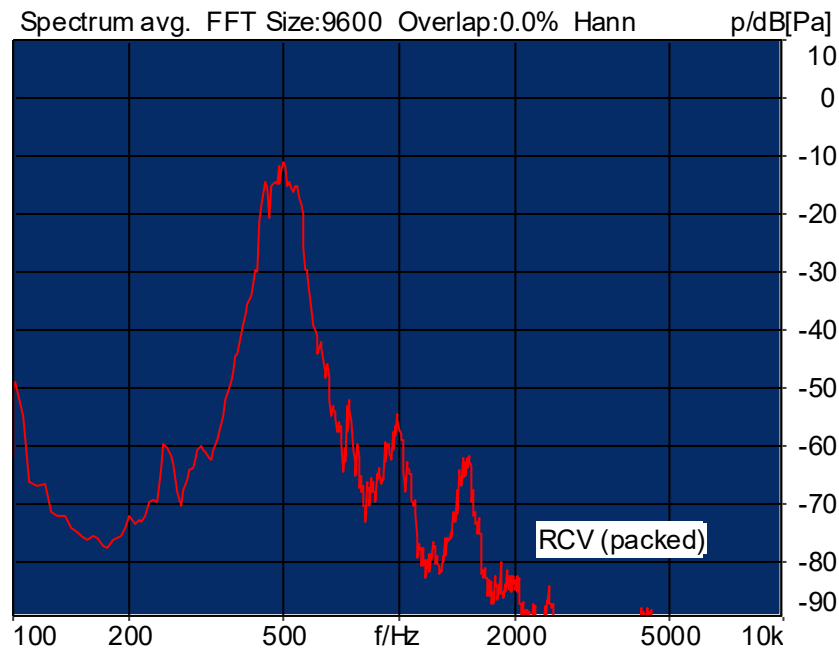
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 31.14 dB (2.77%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	410.0 Hz	Stimulus max.	595.0 Hz
Analysis min.	20.0 Hz	Analysis max.	405.0 Hz
Analysis (2) min.	600.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_500Hz

Hardware Config Settings

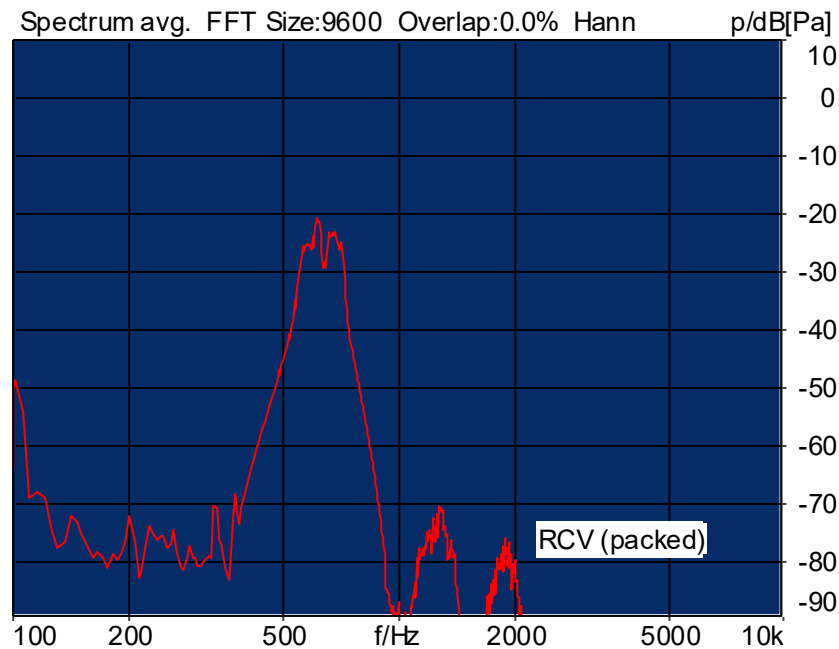
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 630 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 25.36 dB (5.39%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_630hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	525.0 Hz	Stimulus max.	745.0 Hz
Analysis min.	20.0 Hz	Analysis max.	520.0 Hz
Analysis (2) min.	750.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_630Hz

Hardware Config Settings

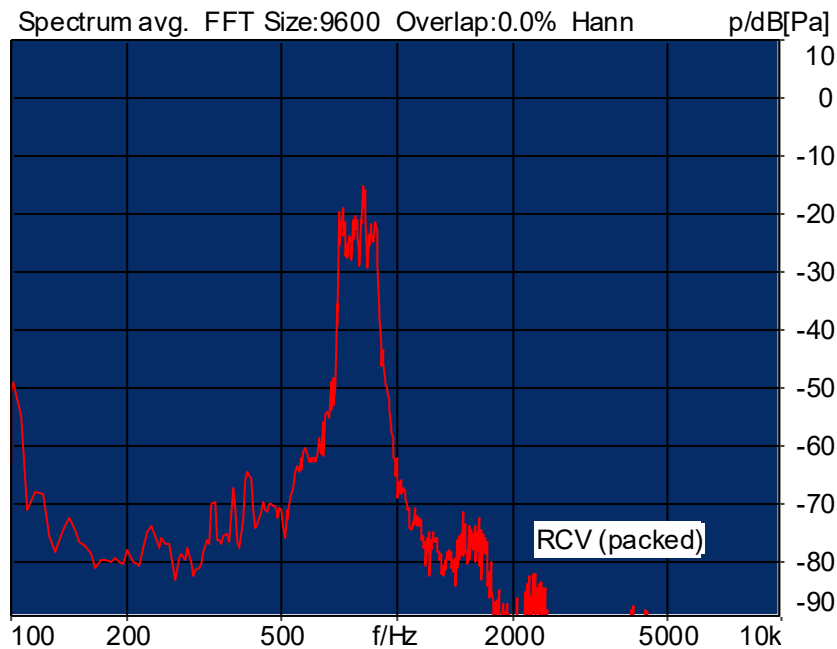
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 800 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 34.45 dB (1.89%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_800hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	675.0 Hz	Stimulus max.	925.0 Hz
Analysis min.	20.0 Hz	Analysis max.	670.0 Hz
Analysis (2) min.	930.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_800Hz

Hardware Config Settings

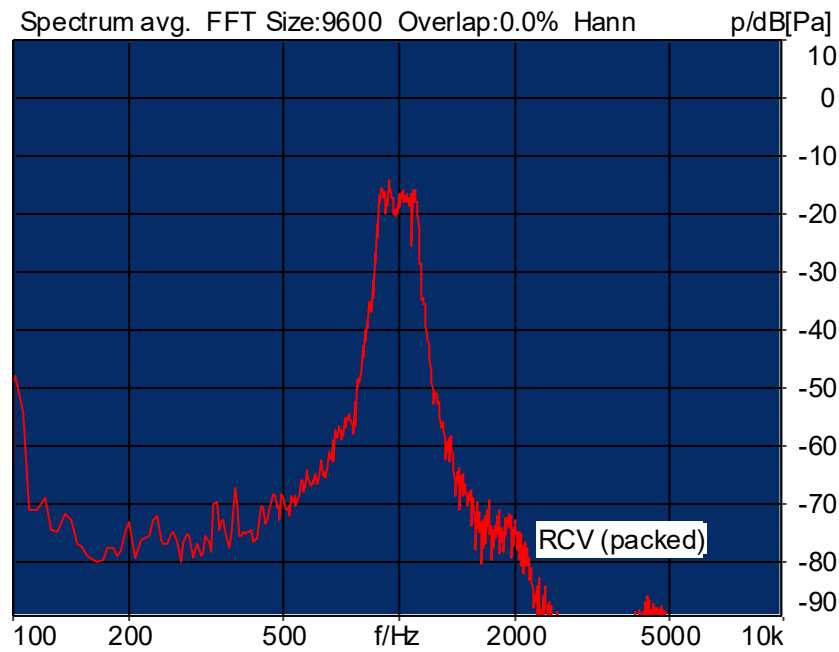
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 25.27 dB (5.45%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	855.0 Hz	Stimulus max.	1155.0 Hz
Analysis min.	20.0 Hz	Analysis max.	850.0 Hz
Analysis (2) min.	1160.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1000Hz

Hardware Config Settings

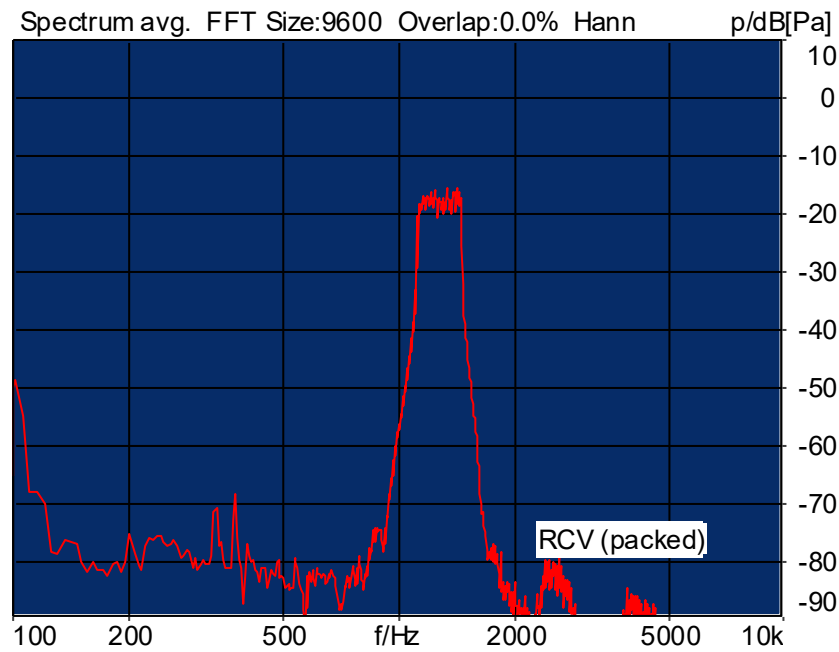
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1250 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 22.72 dB (7.31%) Ok

Ok

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Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1250hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1085.0 Hz	Stimulus max.	1450.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1080.0 Hz
Analysis (2) min.	1455.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1250Hz

Hardware Config Settings

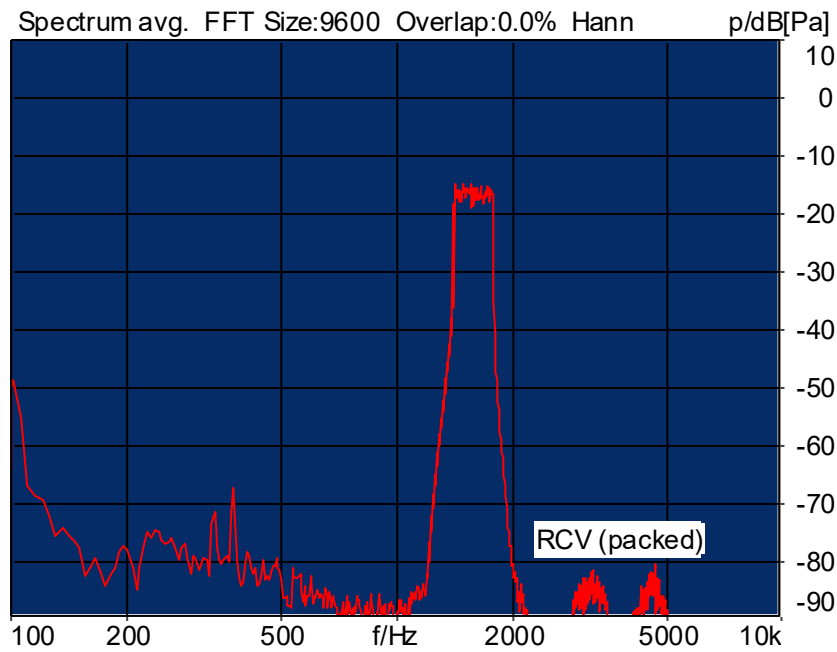
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 1600 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 37.43 dB (1.34%) Ok

Ok

2026/6/8 11:56 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_1600hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1375.0 Hz	Stimulus max.	1815.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1370.0 Hz
Analysis (2) min.	1820.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_1600Hz

Hardware Config Settings

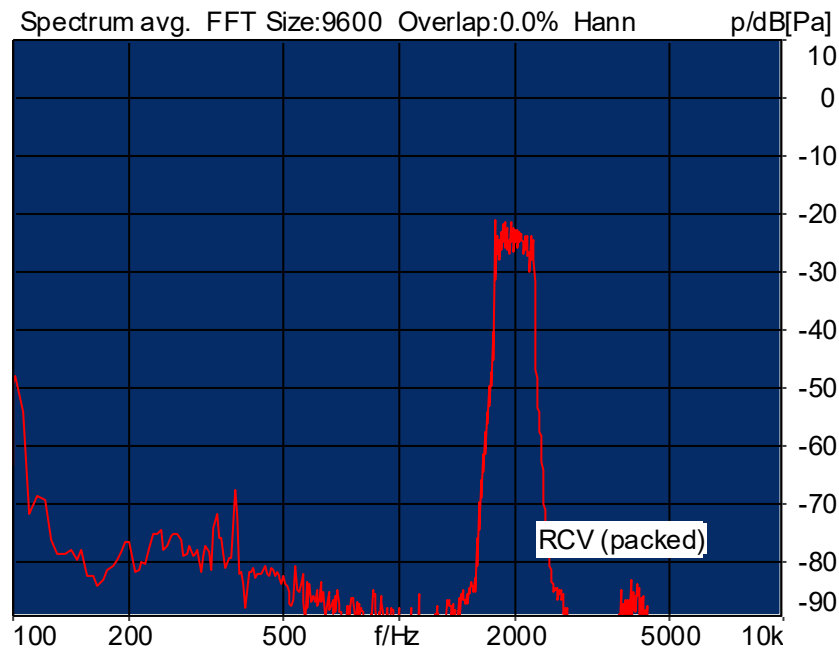
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 32.67 dB (2.32%) Ok

Ok

2026/6/8 11:57 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	1745.0 Hz	Stimulus max.	2275.0 Hz
Analysis min.	20.0 Hz	Analysis max.	1740.0 Hz
Analysis (2) min.	2280.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2000Hz

Hardware Config Settings

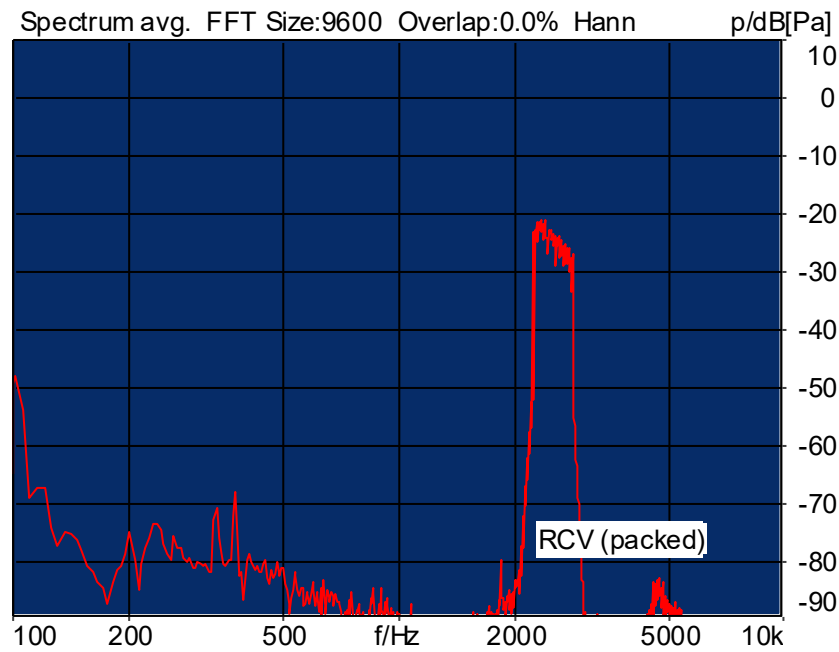
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 2500 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 41.75 dB (0.82%) Ok

Ok

2026/6/8 11:57 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_2500hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2205.0 Hz	Stimulus max.	2855.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2200.0 Hz
Analysis (2) min.	2860.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_2500Hz

Hardware Config Settings

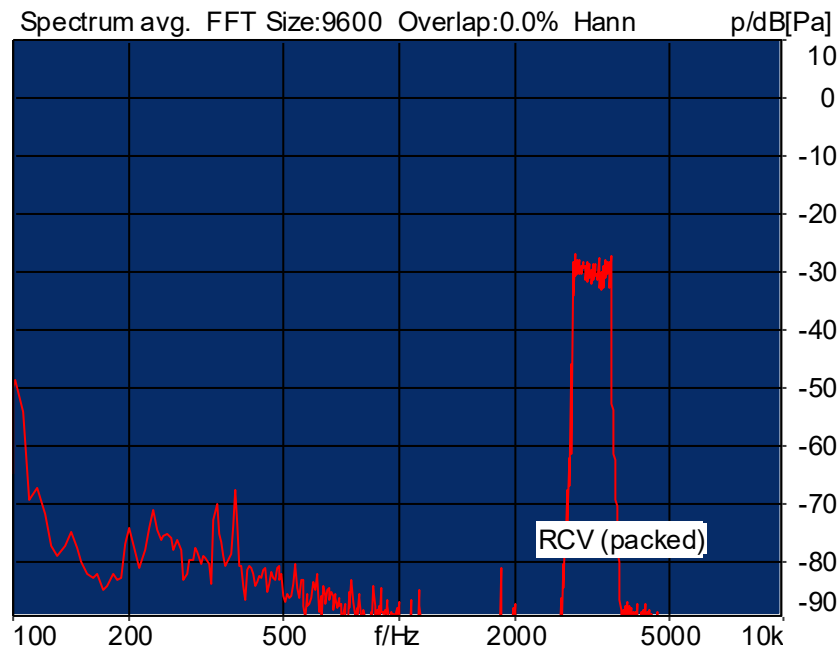
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 3150 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 39.37 dB (1.08%) Ok

Ok

2026/6/8 11:58 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_3150hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	2785.0 Hz	Stimulus max.	3585.0 Hz
Analysis min.	20.0 Hz	Analysis max.	2780.0 Hz
Analysis (2) min.	3590.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_3150Hz

Hardware Config Settings

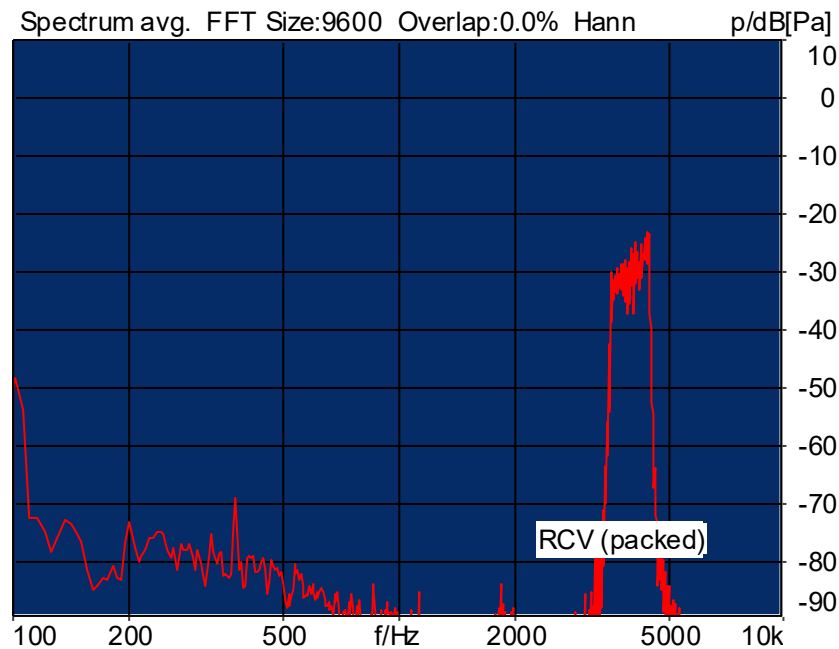
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 4000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4



Distortion (Noise) RCV (packed): 30.81 dB (2.88%) Ok

Ok

2026/6/8 12:09 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_4000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	3515.0 Hz	Stimulus max.	4500.0 Hz
Analysis min.	20.0 Hz	Analysis max.	3510.0 Hz
Analysis (2) min.	4505.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_4000Hz

Hardware Config Settings

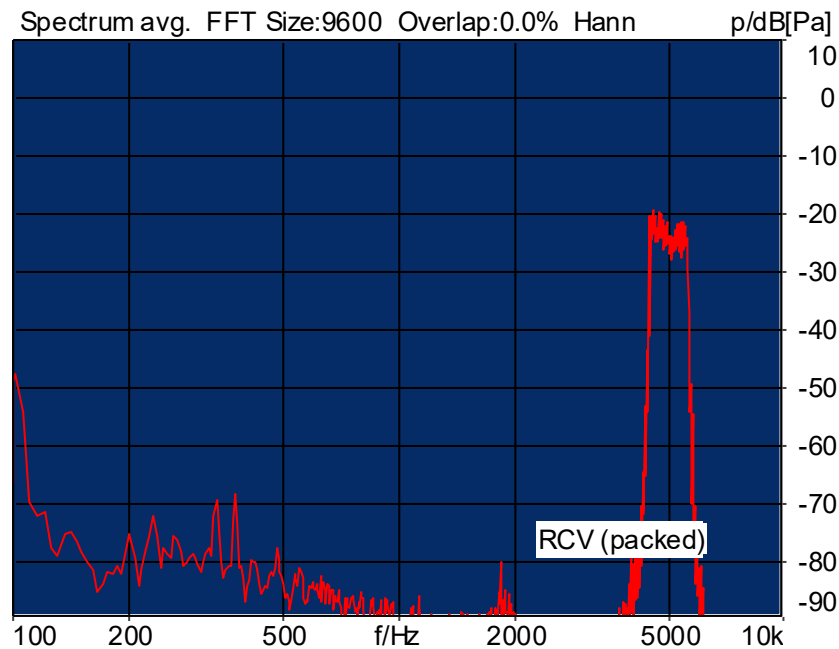
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.2 RCV Distortion and Noise - 5000 Hz WB

TIA-5050 (2018-01) \ Measurements \ Wideband \ 5.2 Receive Distortion and Noise 8N
EVS-WB-24.4; EVS-WB-24.4



Distortion (Noise) RCV (packed): 35.18 dB (1.74%) Ok

Ok

2026/6/8 11:58 ACQUA 6.2.100

Limits

lower
20.00 dB

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: act_rpn_b250ms_5000hz_sr20dbm0_v02.dat

Level adjustment Channel 1 Gain -90.00 dB

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	13550.00 ms	Range length	200.00 ms
Number of seq.	10	Sequence length	400.00 ms
Frequency base	Transformation		
FFT size	9600	Overlap	0 %

Window function	Hann	Smooth	Off
dB weighting	A Weighting		
Stimulus min.	4430.0 Hz	Stimulus max.	5660.0 Hz
Analysis min.	20.0 Hz	Analysis max.	4425.0 Hz
Analysis (2) min.	5665.0 Hz	Analysis (2) max.	20000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay	848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)		
Channels	2	Store to variable	RCVWB10_5000Hz

Hardware Config Settings

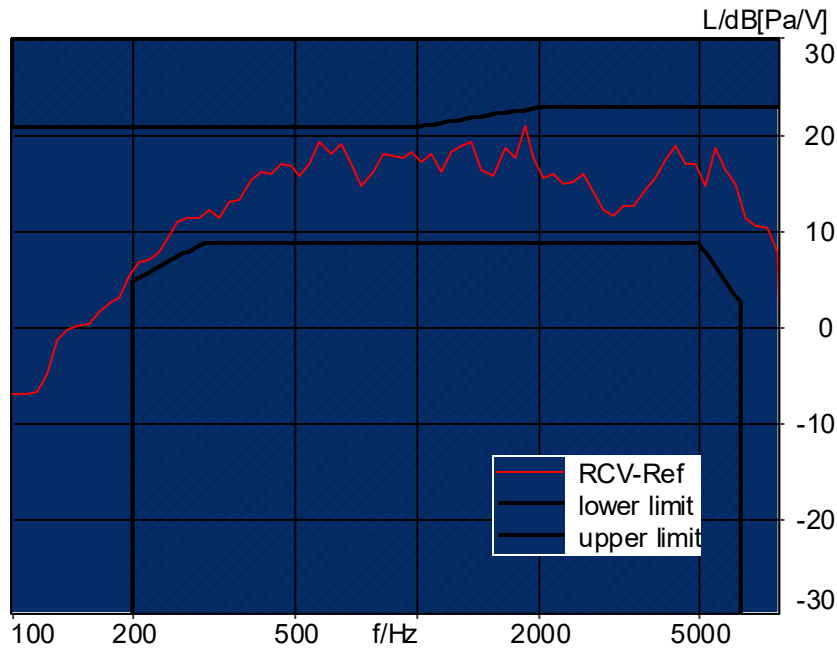
Used Setting	TIA5050
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MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

5.3 Frequency Response 8N FF

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Absolute minimal distance
1.43 dB at 576.7 Hz Ok

Ok

2026/6/8 12:04 ACQUA 6.2.100

Limits

lower
Fit into tolerance

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Source: respmaleieee269_wb_r20_v01.dat

Level adjustment Channel 1 Gain -90.00 dB

WIDEBAND IEEE-269-2010 Real Speech Signal at Channel 2

Pause 0.5 s +

Real Speech (english, male speaker) 11.5 s, Active Speech Level: -22,2 dBV, margin 15.9 dB +

Pause till end of file

Signal level (ch2): -22,2 dBV Active Speech Level, margin 15.9 dB

Signal taken from "IEEE_269-2010_Male_mono_48_kHz.wav"

Alteration:

0.2 s Pause added at the beginning of the file.

0.8 s Pause added at the and of the file.

filtered with 8.0 kHz low-pass filter
signal level changed

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	500.00 ms	Range length	11500.00 ms
Frequency base	12th octave	DIN Row	Row A
Method	FFT		
FFT size	4096	Overlap	75 %
Window function	Hann		
Reference file	r521_rcv_frq_spee269_hawb.fft		
Tol. scheme file	521_rcv_frq_man_hawb.tol	Min. freq. for tol.	100.0 Hz
Auto adjust	Centrate	Max. freq. for tol.	8000.0 Hz

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Compensate delay 848.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)
Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1	Line	Output Ch.2	Line
Input Ch.1	Microphone	Input Ch.2	Microphone

Measurement Protocol(43#~48#)

Measurement Object	Ti-CC26050303-WB2	Ti-CC26050303-WB4	Ti-CC26050303-WB5
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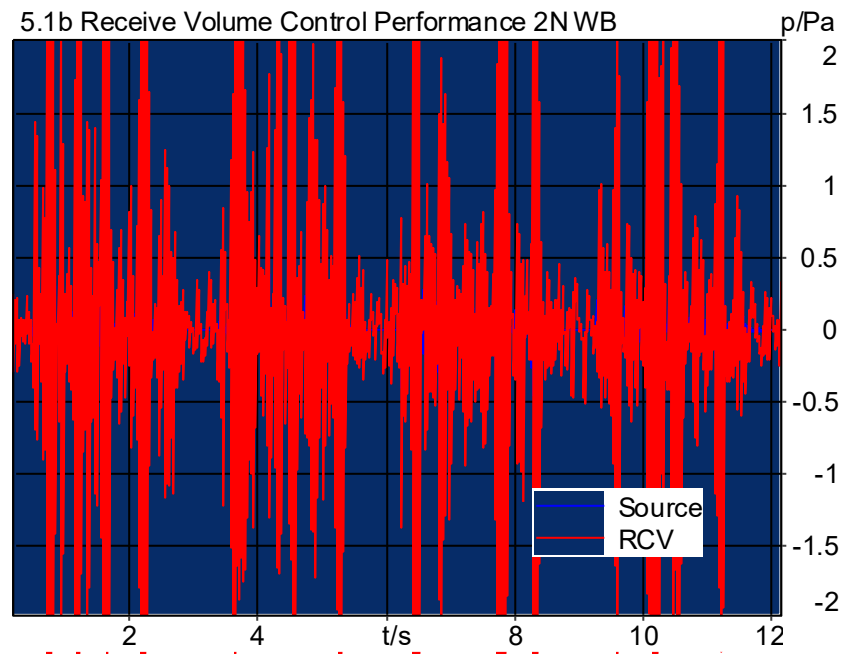
Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.93	Ti-CC26050303-WB2
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	89.95	Ti-CC26050303-WB2
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.98	Ti-CC26050303-WB4
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	87.98	Ti-CC26050303-WB4
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.07	Ti-CC26050303-WB5
5.1a Receive Volume Control Performance 8N NB	Ok	Speech Level [dB[SPL]]	89.04	Ti-CC26050303-WB5

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-WB2)

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

AMR-WB-6.6



Channel	Speech level	Activity	
RCV	85.93 dB[SPL]	80.85%	Ok

Ok

2026/6/10 0:19 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 177.5000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

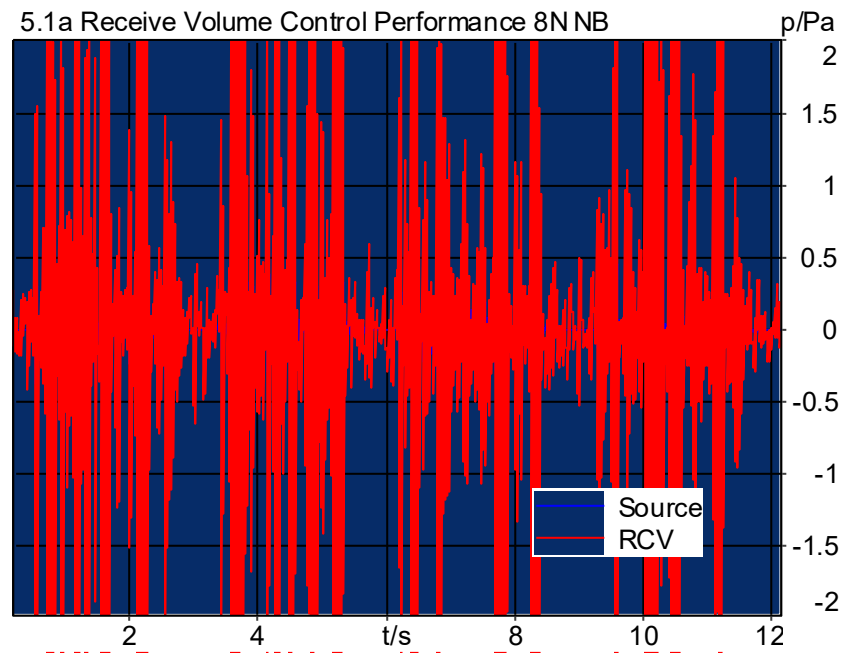
Input Ch.1 Microphone

Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N NB (Ti-CC26050303-WB2)

TIA-5050 (2018-01) \ Measurements \ Narrowband
AMR-NB-12.2



Channel	Speech level	Activity	
RCV	89.95 dB[SPL]	80.19%	Ok

Ok

2026/6/10 0:29 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Narrow Band Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 181.2000 ms (D_RCV_NB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

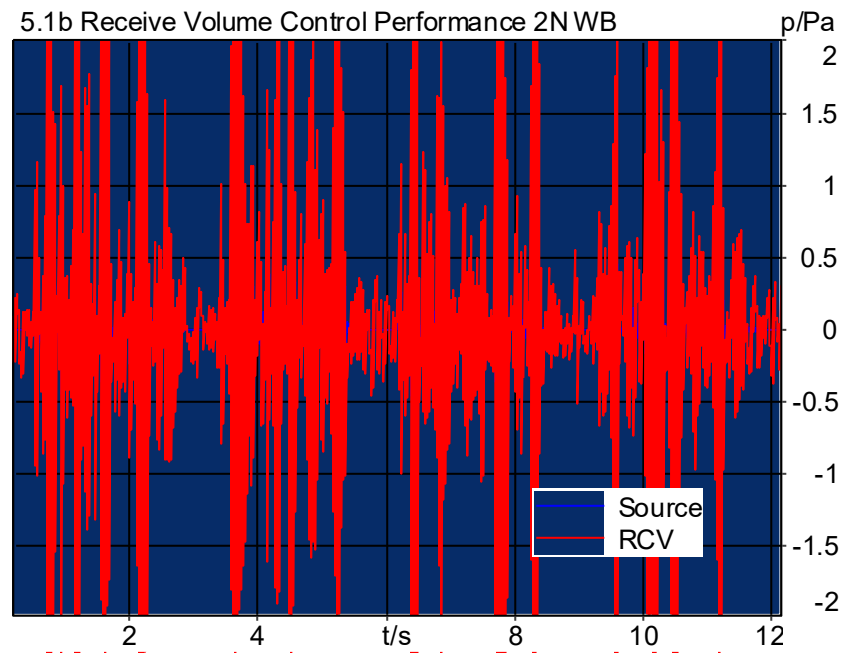
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-WB4)

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

AMR-WB-6.6



Channel	Speech level	Activity	
RCV	85.98 dB[SPL]	80.81%	Ok

Ok

2026/6/10 0:54 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 202.5000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

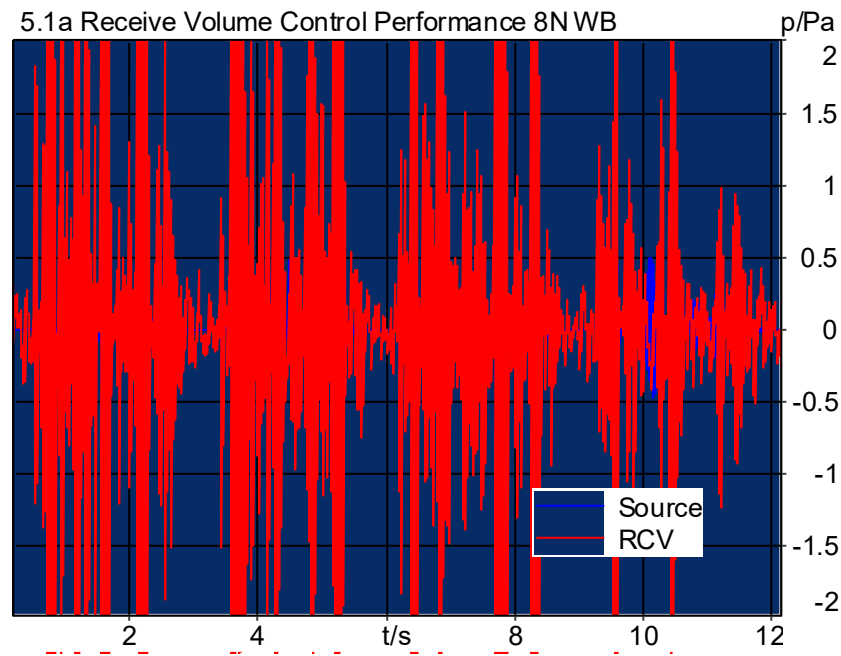
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-WB4)

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

AMR-WB-23.85



Channel	Speech level	Activity	
RCV	87.98 dB[SPL]	80.75%	Ok

Ok

2026/6/10 0:49 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 195.4000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

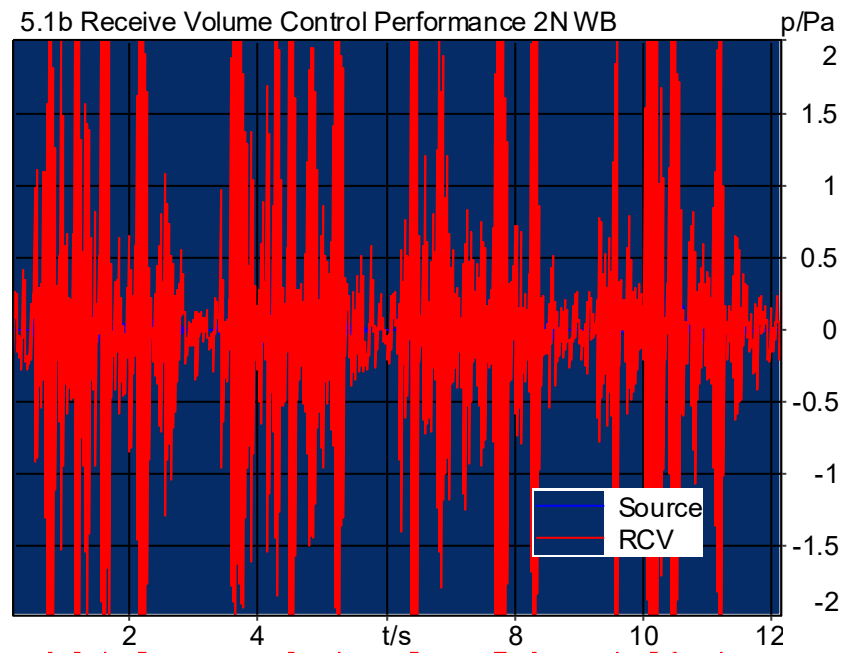
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-WB5)

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

AMR-WB-6.6



Channel	Speech level	Activity	
RCV	86.07 dB[SPL]	80.76%	Ok

Ok

2026/6/10 1:05 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 200.9000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

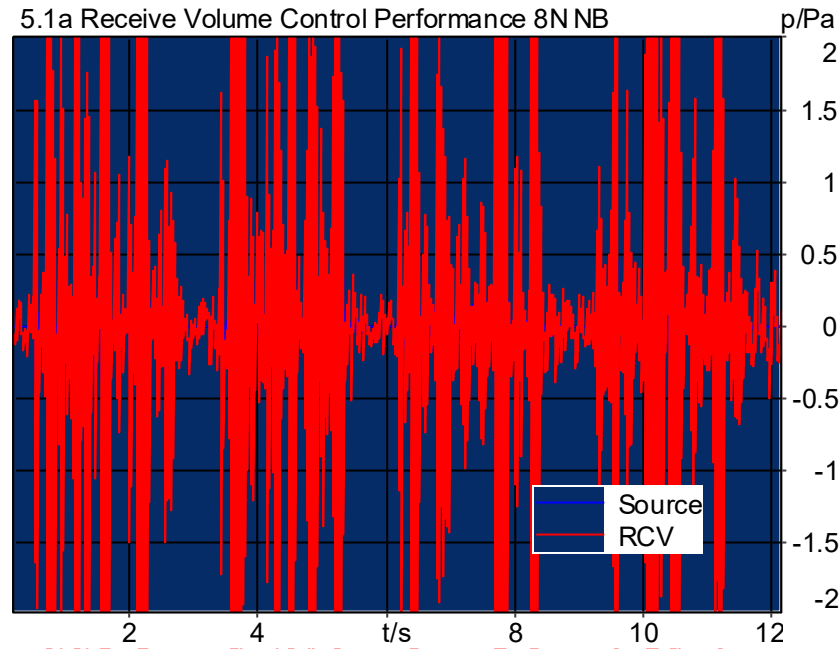
Input Ch.1 Microphone

Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N NB (Ti-CC26050303-WB5)

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



Channel	Speech level	Activity	
RCV	89.04 dB[SPL]	80.09%	Ok

Ok

2026/6/10 1:11 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms
Bandpass filter Narrow Band
Range length 12000.00 ms
Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 181.2000 ms (D_RCV_NB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

Line

Microphone

Measurement Protocol(49#~64#)

Measurement Object	Ti- CC2605 0303- LTEB2	Ti- CC2605 0303- LTEB4	Ti- CC2605 0303- LTEB5	Ti- CC2605 0303- LTEB7	Ti- CC2605 0303- LTEB12	Ti- CC2605 0303- LTEB14	Ti- CC2605 0303- LTEB30	Ti- CC2605 0303- LTEB66
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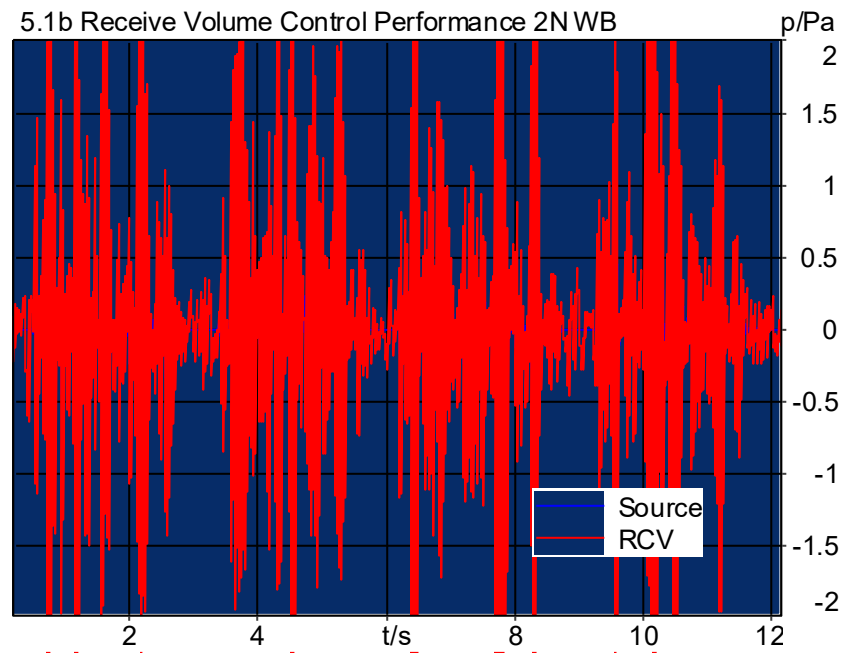
Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.14	Ti-CC26050303-LTEB2
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	87.20	Ti-CC26050303-LTEB2
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.26	Ti-CC26050303-LTEB4
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	86.13	Ti-CC26050303-LTEB4
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.33	Ti-CC26050303-LTEB5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	85.86	Ti-CC26050303-LTEB5
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.19	Ti-CC26050303-LTEB7
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	86.24	Ti-CC26050303-LTEB7
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	83.03	Ti-CC26050303-LTEB12
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.27	Ti-CC26050303-LTEB12
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.04	Ti-CC26050303-LTEB14
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.74	Ti-CC26050303-LTEB14
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	84.93	Ti-CC26050303-LTEB30
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.91	Ti-CC26050303-LTEB30
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.03	Ti-CC26050303-LTEB66
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	89.03	Ti-CC26050303-LTEB66

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-LTEB2)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	85.14 dB[SPL]	84.31%	Ok

Ok

2026/6/10 1:40 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 136.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

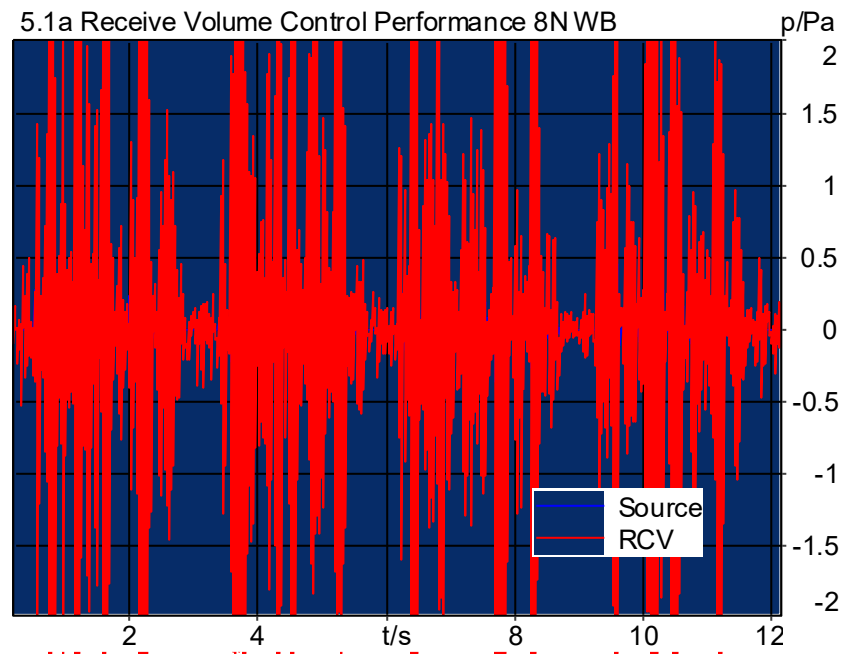
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB2)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	87.20 dB[SPL]	83.81%	Ok

Ok

2026/6/10 1:46 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 136.5000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

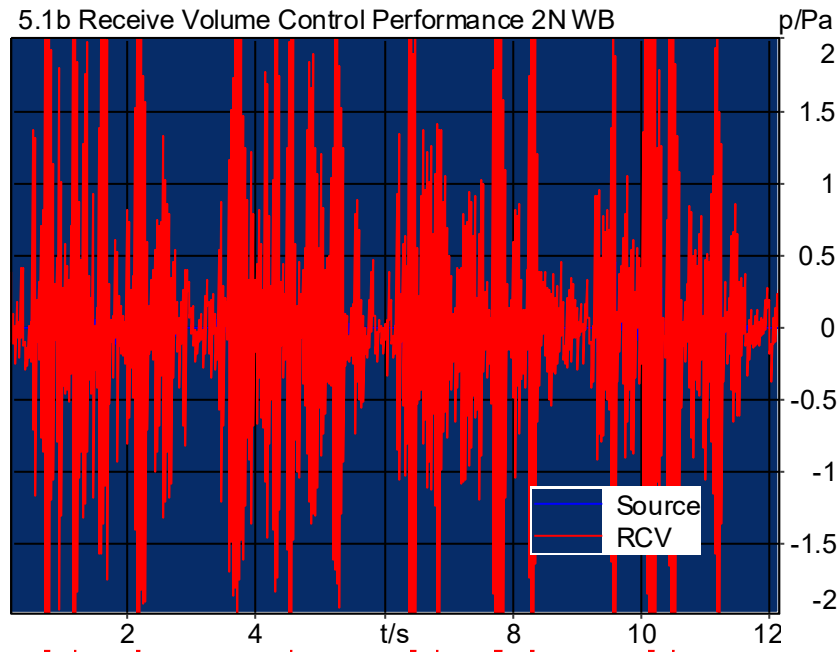
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-LTEB4)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	85.26 dB[SPL]	84.33%	Ok

Ok

2026/6/10 5:24 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 136.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

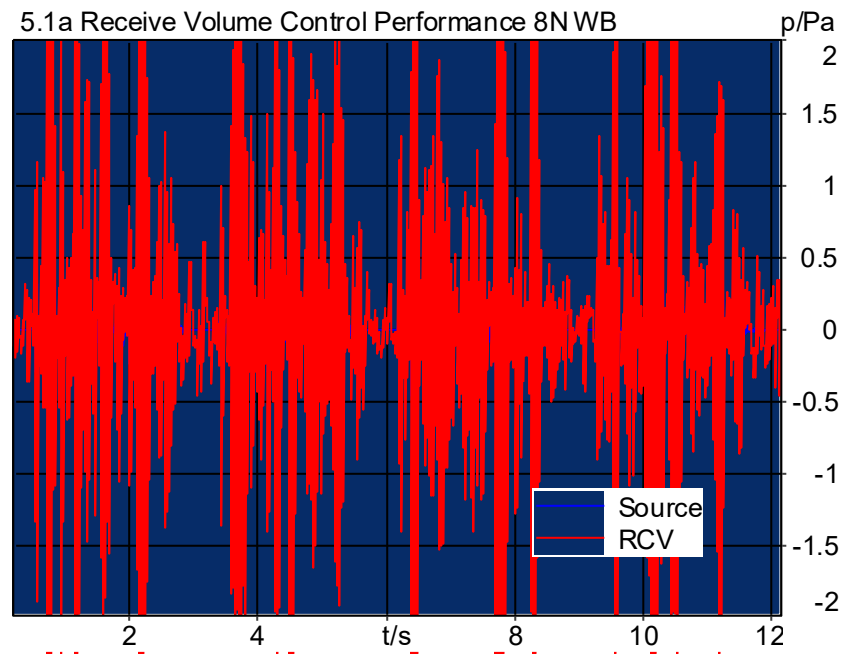
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB4)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	86.13 dB[SPL]	83.82%	Ok

Ok

2026/6/10 4:52 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 137.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

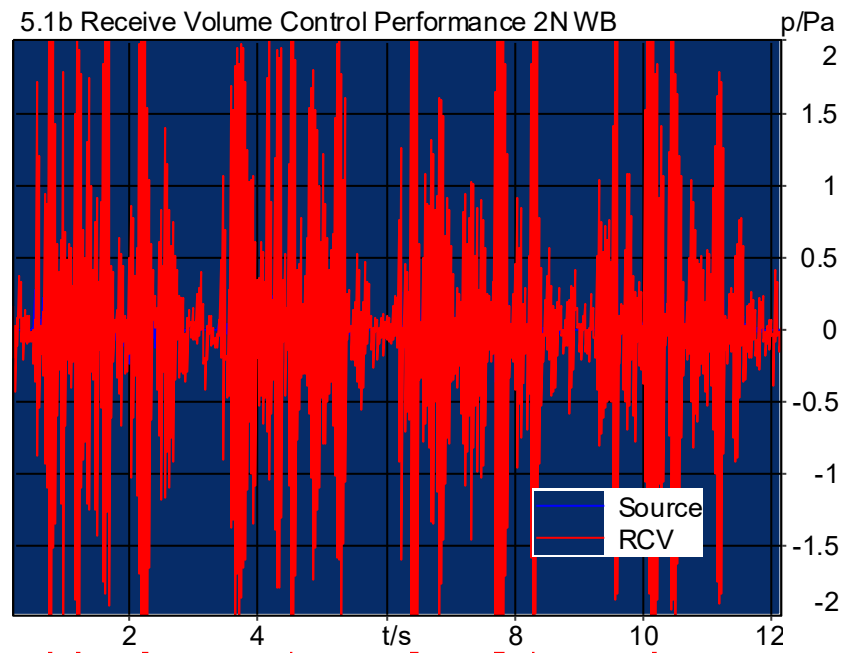
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-LTEB5)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	85.33 dB[SPL]	84.43%	Ok

Ok

2026/6/10 4:07 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 136.4000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

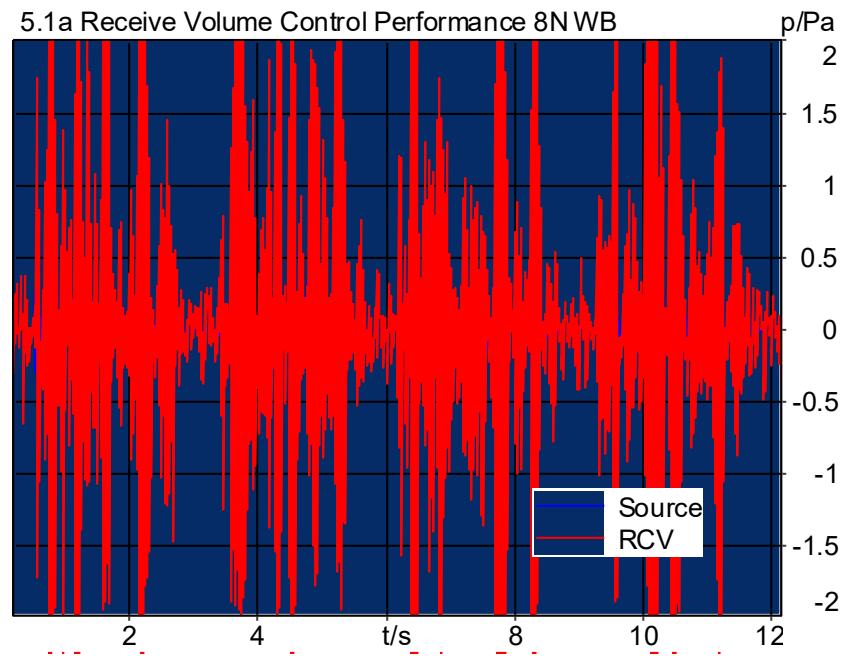
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB5)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	85.86 dB[SPL]	83.23%	Ok

Ok

2026/6/10 4:13 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 135.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

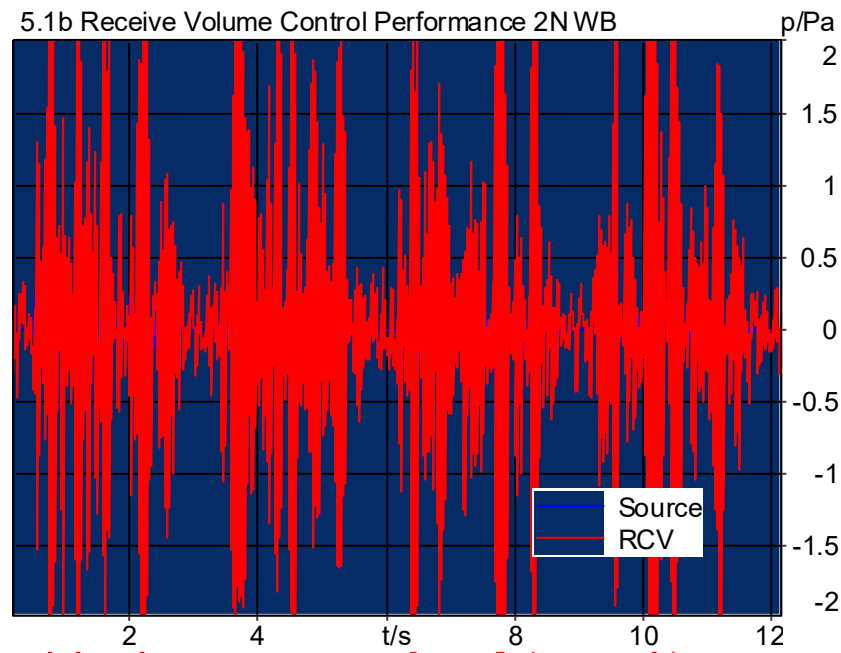
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-LTEB7)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	85.19 dB[SPL]	84.29%	Ok

Ok

2026/6/10 6:02 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 136.1000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

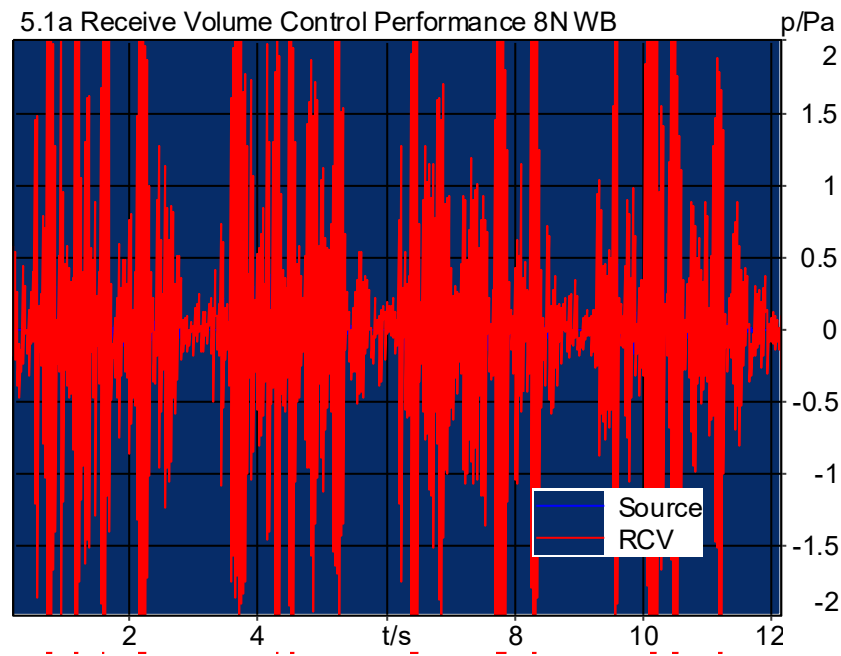
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB7)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	86.24 dB[SPL]	83.37%	Ok

Ok

2026/6/10 6:27 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 137.5000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

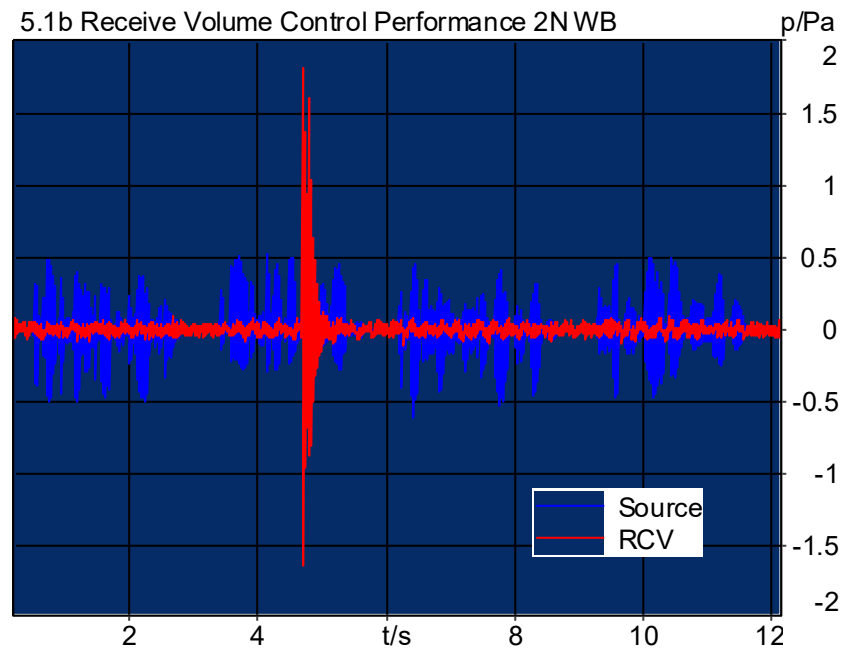
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-LTEB12)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	83.03 dB[SPL]	4.53%	Ok

Ok

2026/6/23 23:53 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 1222.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

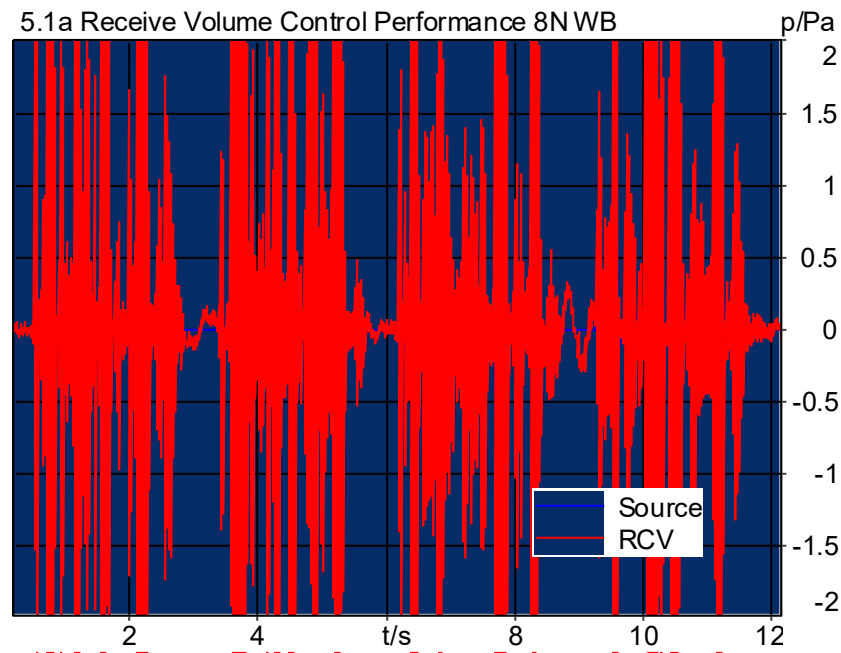
Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB12)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	89.27 dB[SPL]	81.00%	Ok

Ok

2026/6/24 0:45 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 136.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

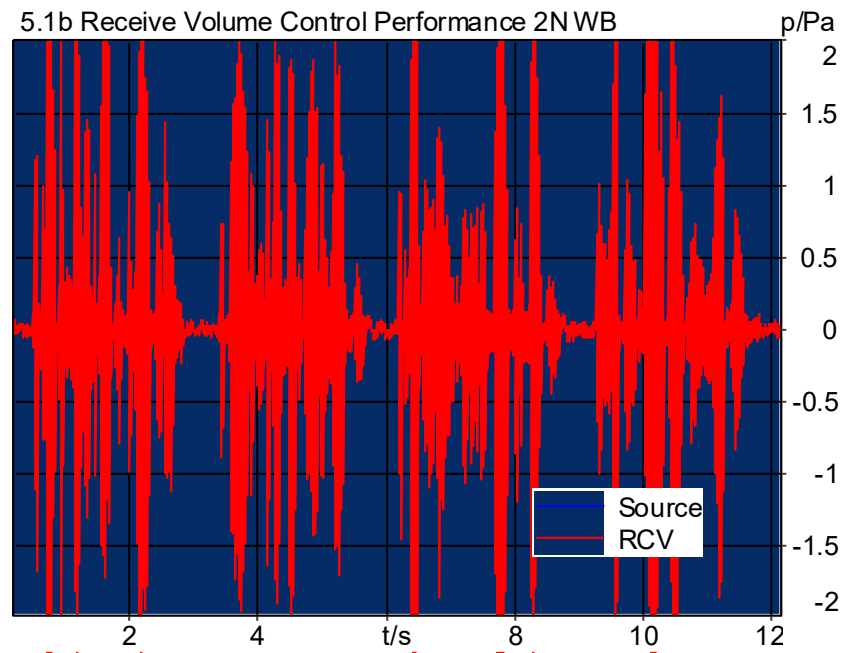
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-LTEB14)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	85.04 dB[SPL]	83.77%	Ok

Ok

2026/6/24 1:36 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 137.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

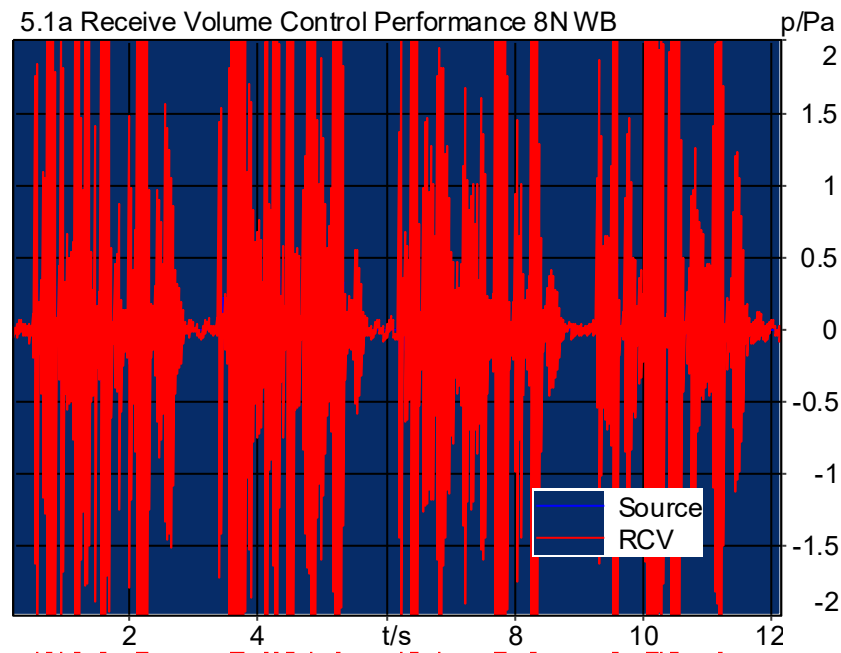
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB14)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	88.74 dB[SPL]	83.48%	Ok

Ok

2026/6/24 1:03 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 137.4000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

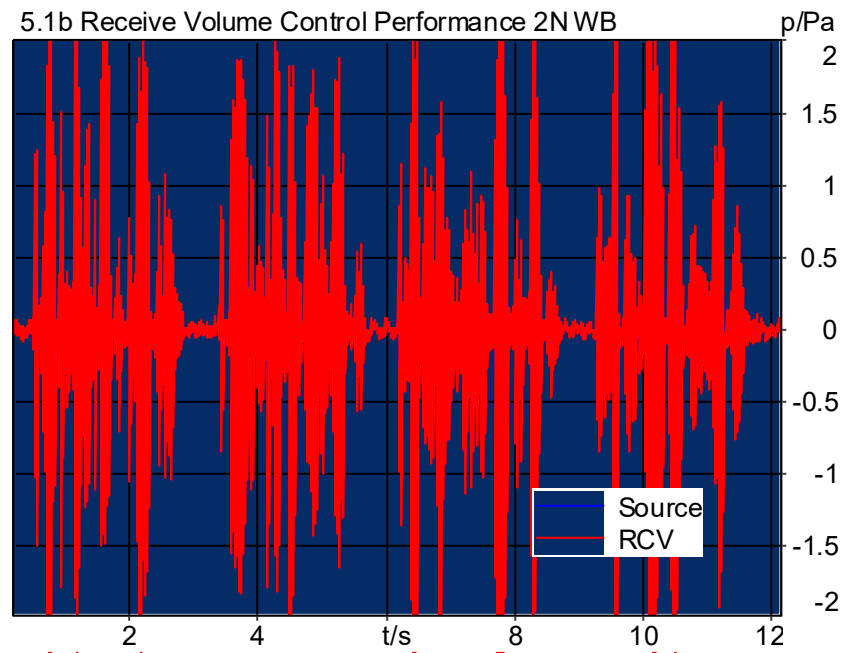
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-LTEB30)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	84.93 dB[SPL]	84.12%	Ok

Ok

2026/6/24 1:48 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 137.9000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

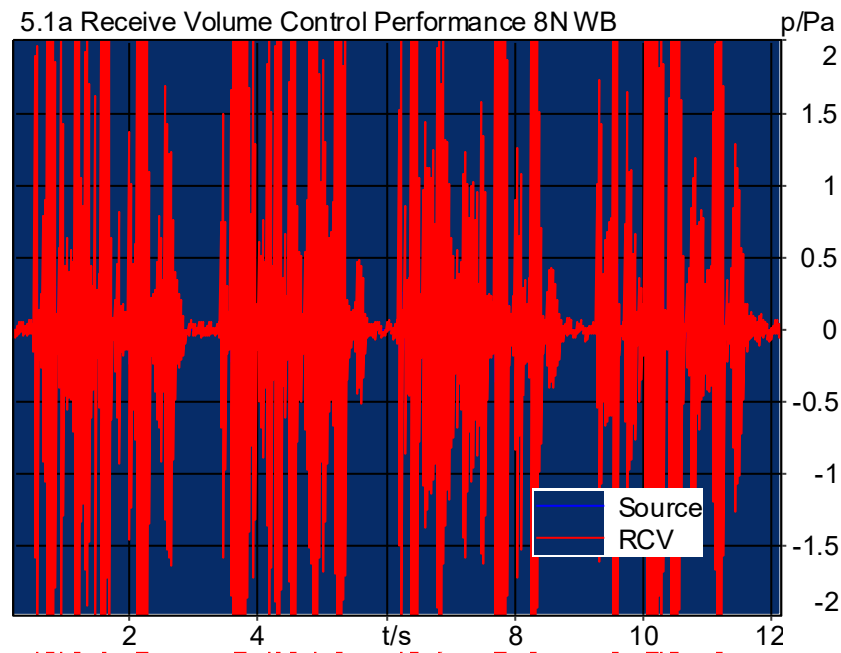
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB30)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	88.91 dB[SPL]	80.73%	Ok

Ok

2026/6/24 2:20 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 136.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

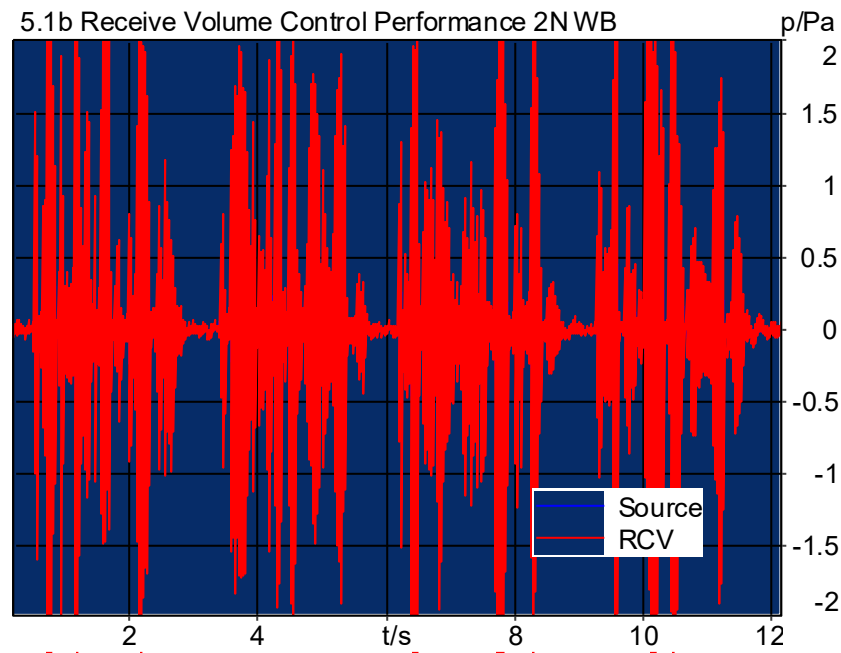
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-LTEB66)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	85.03 dB[SPL]	84.05%	Ok

Ok

2026/6/24 2:56 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 137.9000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

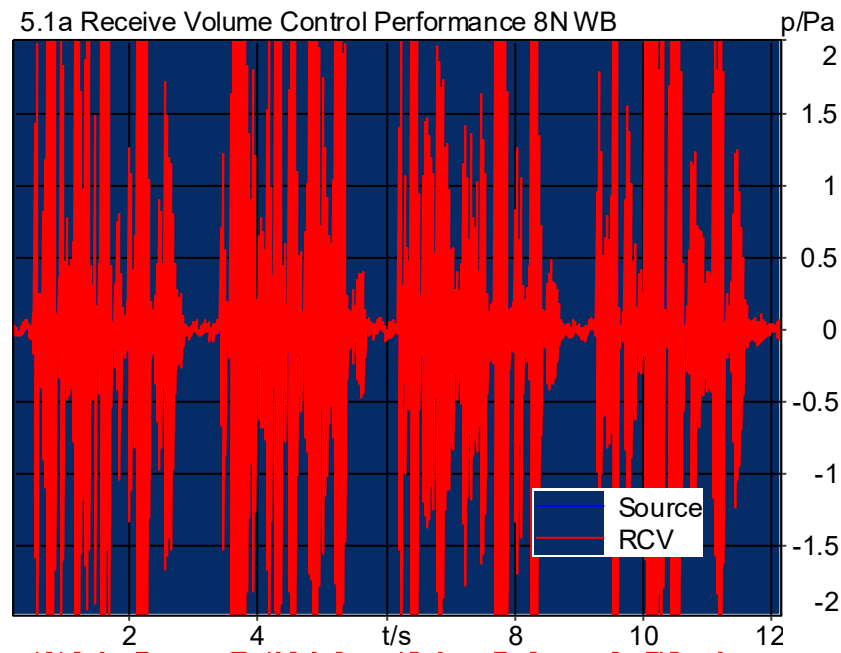
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB66)

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

EVS-SWB-9.6



Channel	Speech level	Activity	
RCV	89.03 dB[SPL]	82.51%	Ok

Ok

2026/6/24 2:37 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 137.4000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2 Microphone

Measurement Protocol(65#~78#)

Measurement Object	Ti- CC26050 303-N2	Ti- CC26050 303-N5	Ti- CC260503 03-N14	Ti- CC260503 03-N30	Ti- CC260503 03-N66	Ti- CC260503 03-N70	Ti- CC26050 303-N71	Ti- CC26050 303-n77
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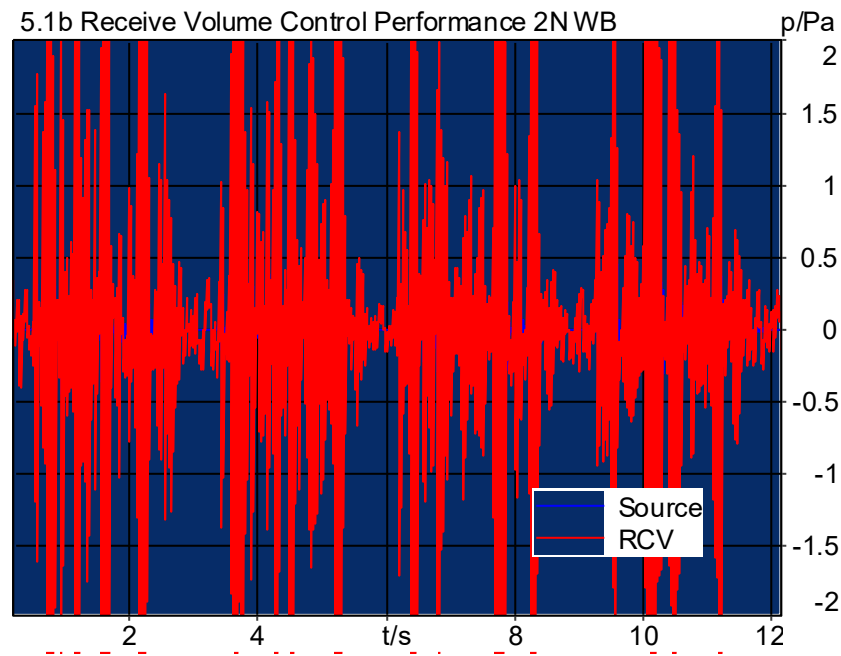
Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.54	Ti-CC26050303-N2
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.86	Ti-CC26050303-N2
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.32	Ti-CC26050303-N5
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.55	Ti-CC26050303-N5
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.25	Ti-CC26050303-N14
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.82	Ti-CC26050303-N14
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.56	Ti-CC26050303-N30
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.64	Ti-CC26050303-N30
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.22	Ti-CC26050303-N66
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.57	Ti-CC26050303-N66
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	85.87	Ti-CC26050303-N70
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	91.42	Ti-CC26050303-N70
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.12	Ti-CC26050303-N71
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.72	Ti-CC26050303-N71
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.07	Ti-CC26050303-n77
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	90.61	Ti-CC26050303-n77

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-N2)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	86.54 dB[SPL]	83.48%	Ok

Ok

2026/6/18 3:10 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2)	0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1	0.00 dB
Output ch. 2	0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2	Range length	12000.00 ms
Range start	200.00 ms	Margin (15.9dB nom)	15.90 dB
Bandpass filter	Super Wideband		

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 148.4000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

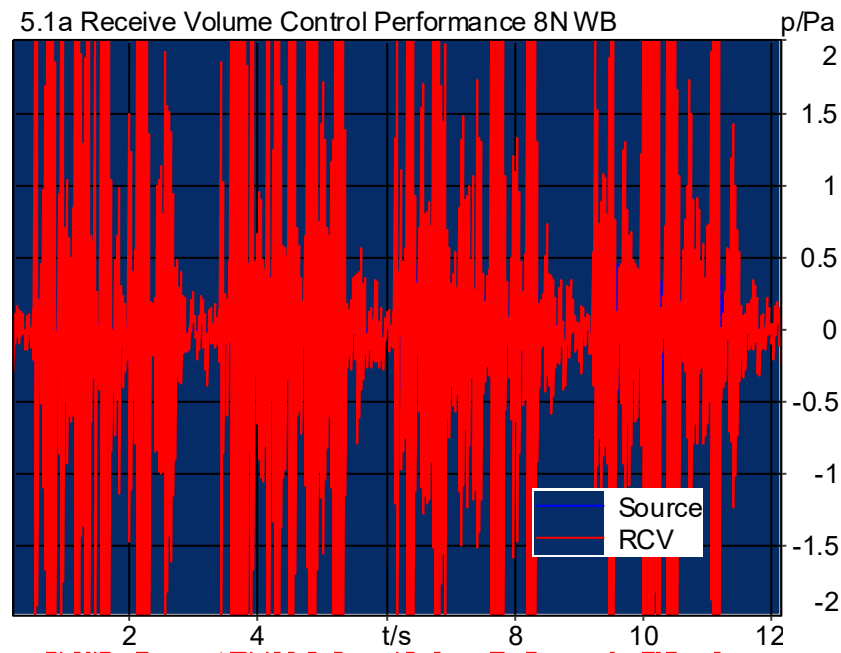
Input Ch.2

Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-N2)

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	90.86 dB[SPL]	81.40%	Ok

Ok

2026/6/18 3:33 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 190.5000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

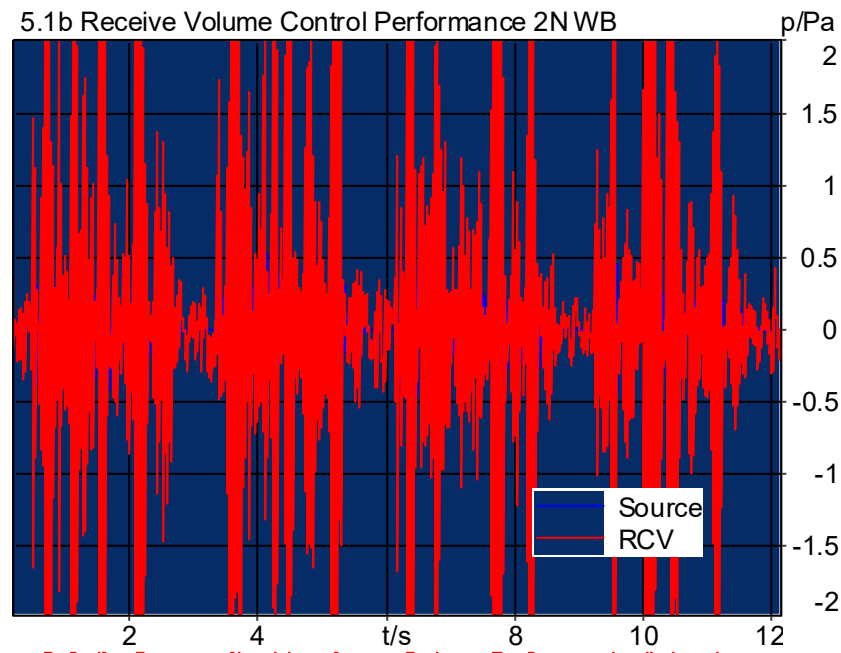
Line

Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-N5)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	86.32 dB[SPL]	84.15%	Ok

Ok

2026/6/18 3:43 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2)	0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1	0.00 dB
Output ch. 2	0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2	Range length	12000.00 ms
Range start	200.00 ms	Margin (15.9dB nom)	15.90 dB
Bandpass filter	Super Wideband		

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 184.9000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

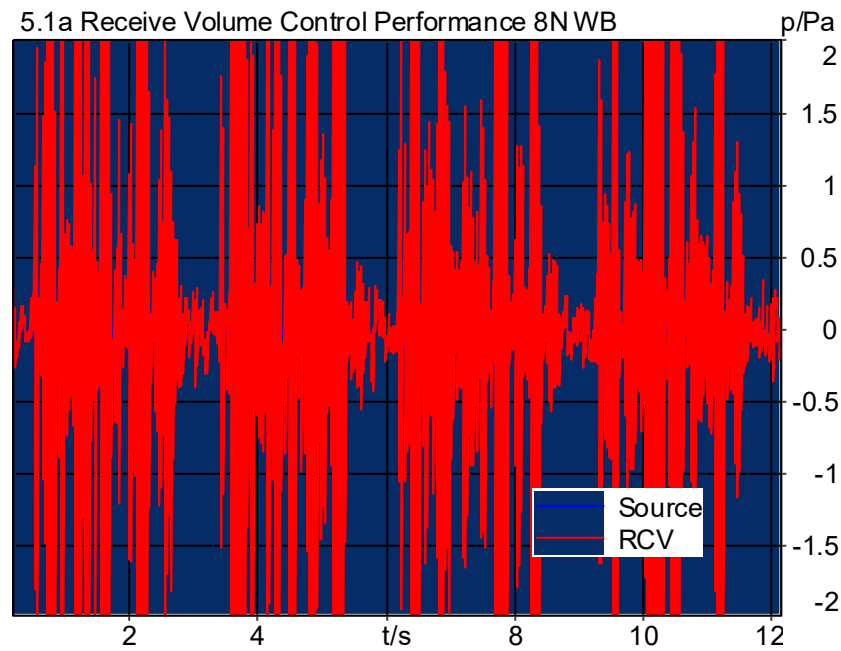
Input Ch.2

Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-N5)

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	90.55 dB[SPL]	81.71%	Ok

Ok

2026/6/18 3:39 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 132.1000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

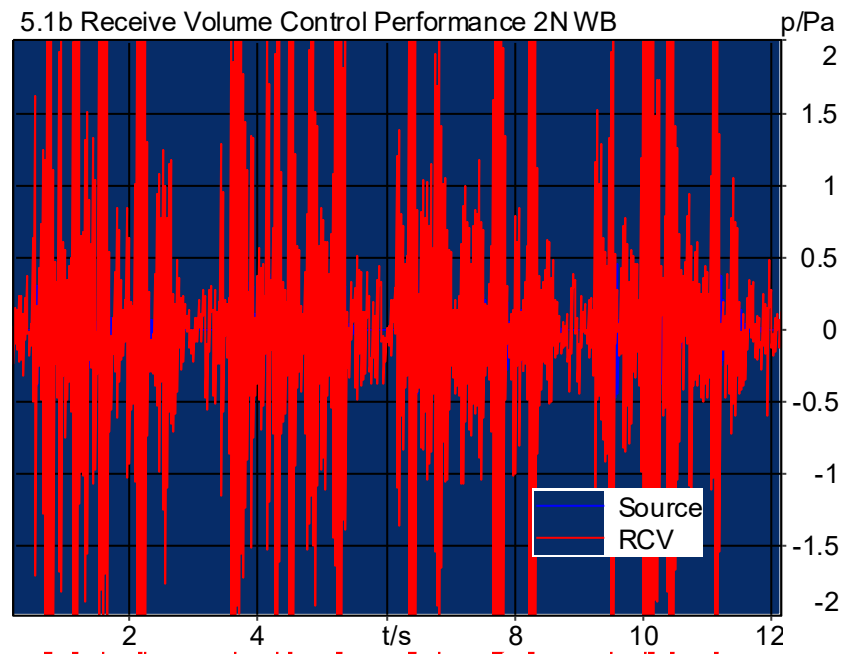
Line

Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-N14)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	86.25 dB[SPL]	84.21%	Ok

Ok

2026/6/18 3:47 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2)	0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1	0.00 dB
Output ch. 2	0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2	Range length	12000.00 ms
Range start	200.00 ms	Margin (15.9dB nom)	15.90 dB
Bandpass filter	Super Wideband		

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 194.9000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

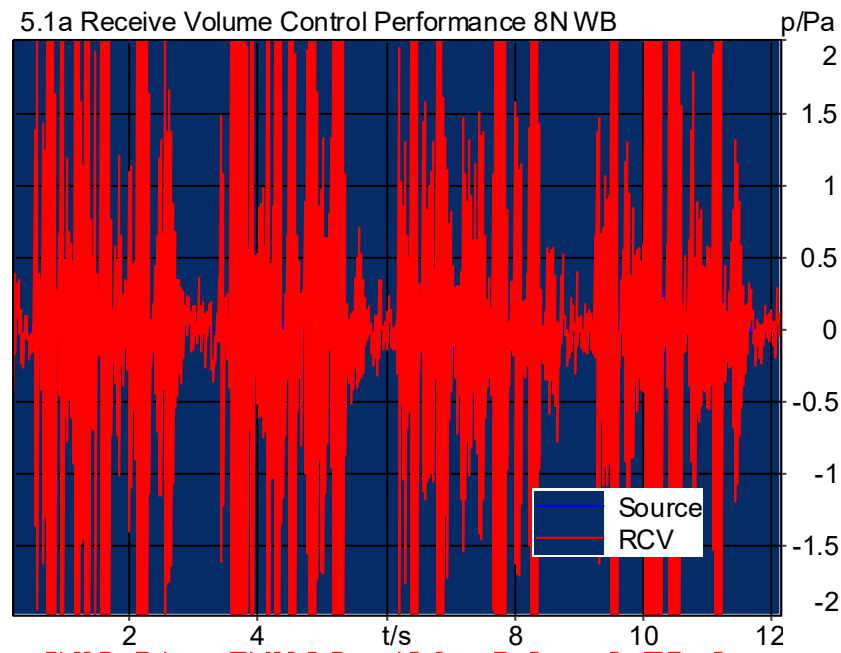
Input Ch.2

Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-N14)

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	90.82 dB[SPL]	80.22%	Ok

Ok

2026/6/18 3:54 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 138.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

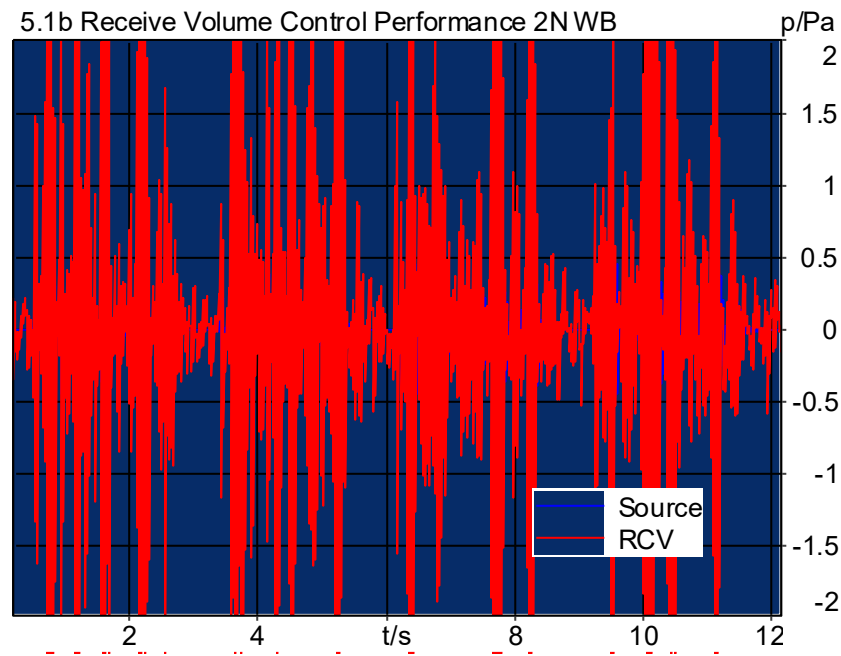
Line

Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-N30)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	86.56 dB[SPL]	83.31%	Ok

Ok

2026/6/18 4:01 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2)	0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1	0.00 dB
Output ch. 2	0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2	Range length	12000.00 ms
Range start	200.00 ms	Margin (15.9dB nom)	15.90 dB
Bandpass filter	Super Wideband		

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 178.9000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

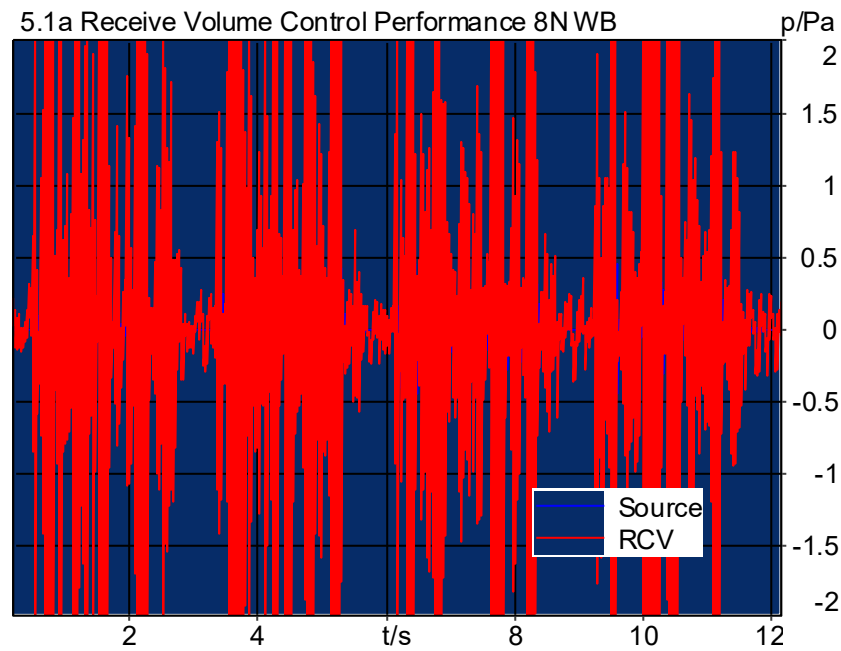
Input Ch.2

Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-N30)

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	90.64 dB[SPL]	81.58%	Ok

Ok

2026/6/18 3:58 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 181.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

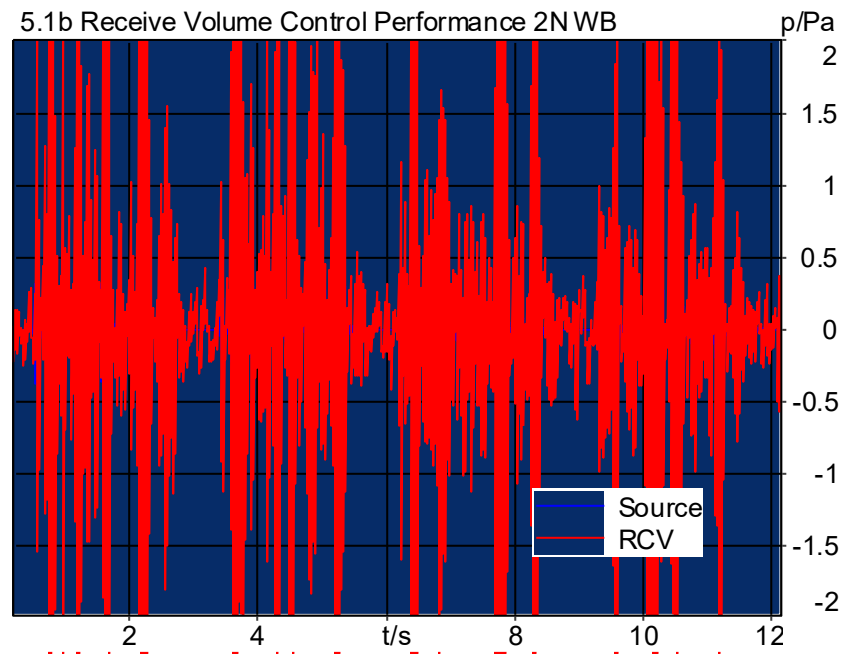
Line

Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-N66)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	86.22 dB[SPL]	83.91%	Ok

Ok

2026/6/18 4:14 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 121.6000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

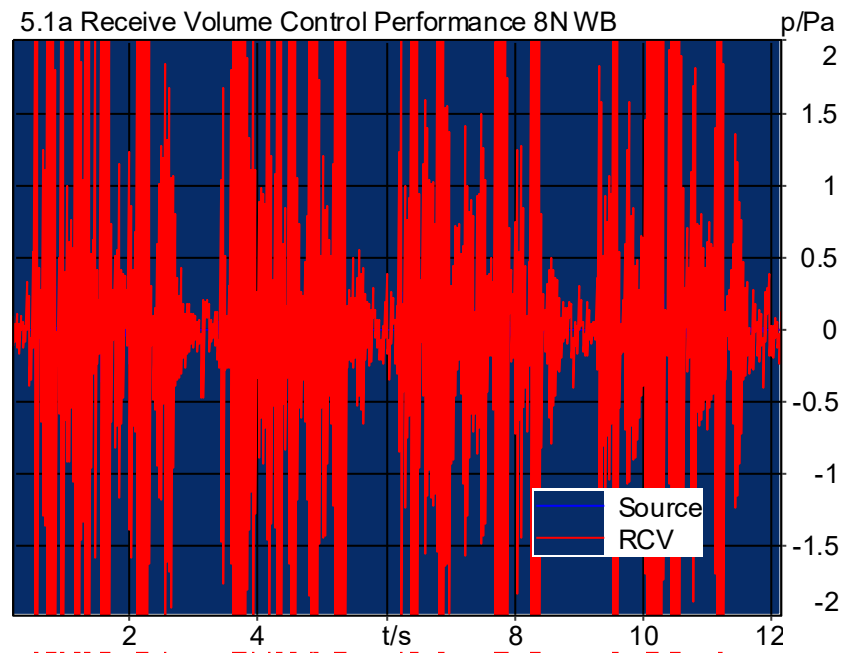
Input Ch.2

Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-N66)

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	90.57 dB[SPL]	81.91%	Ok

Ok

2026/6/18 4:42 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 117.4000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

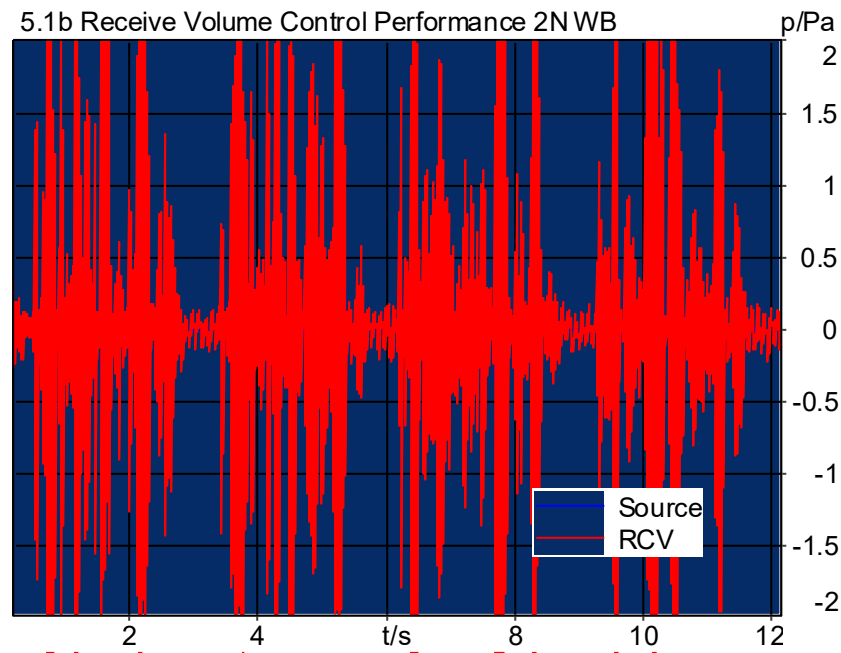
Line

Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-N70)

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

EVS-SWB-24.4



Channel	Speech level	Activity	
RCV	85.87 dB[SPL]	83.15%	Ok

Ok

2026/7/6 14:33 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 343.4000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

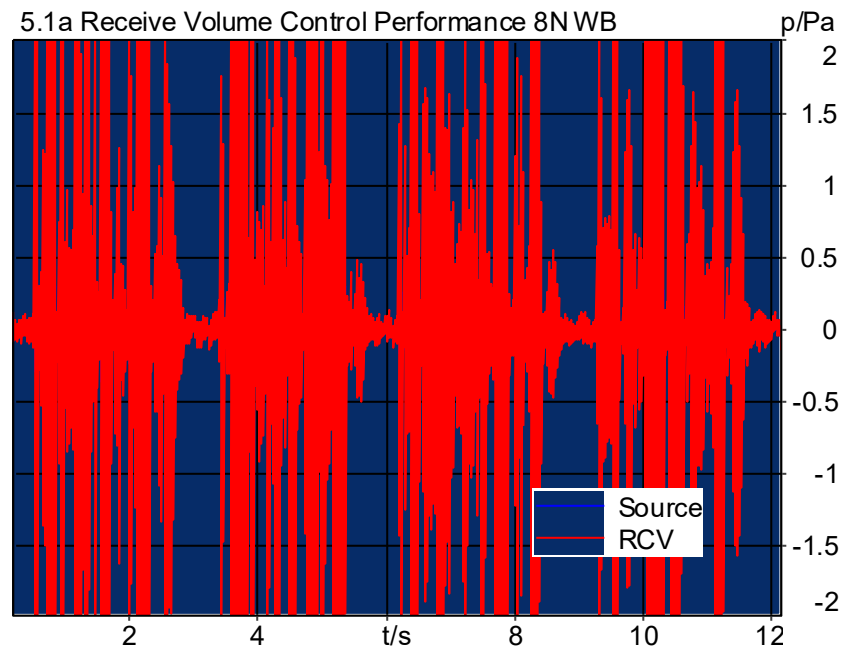
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-N70)

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

EVS-SWB-24.4



Channel	Speech level	Activity	
RCV	91.42 dB[SPL]	80.99%	Ok

Ok

2026/7/6 14:31 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 342.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

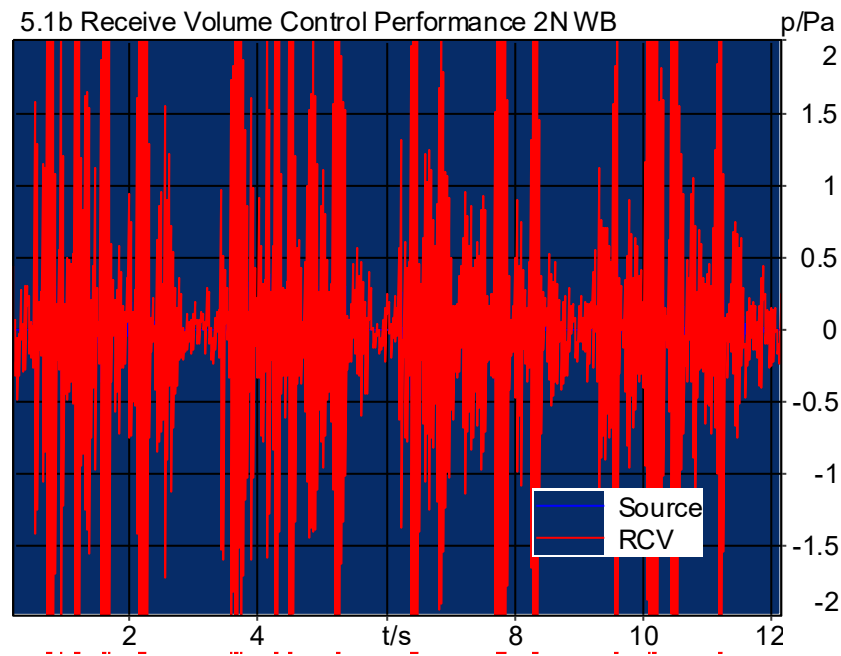
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-N71)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	86.12 dB[SPL]	83.81%	Ok

Ok

2026/6/18 5:24 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 121.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

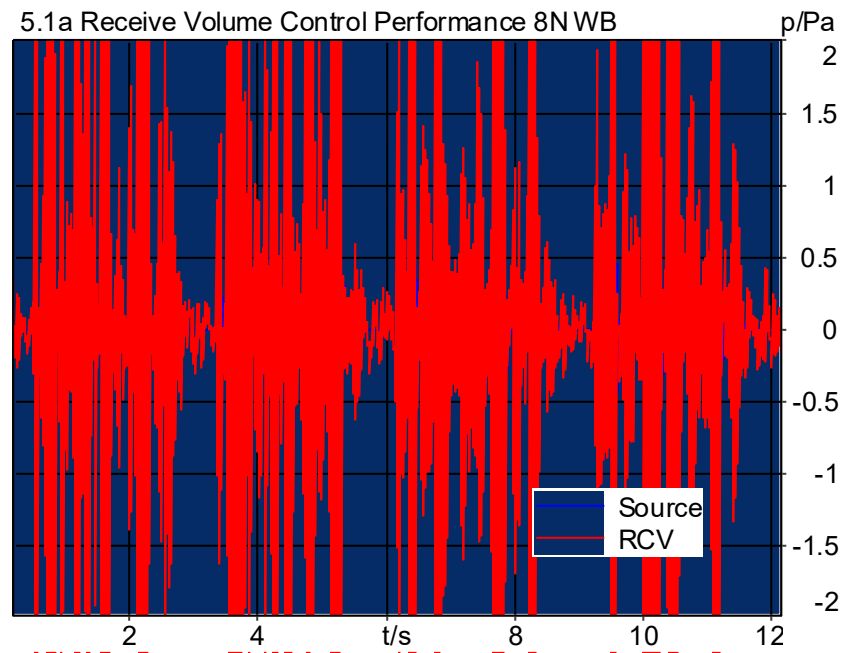
Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-N71)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	90.72 dB[SPL]	80.45%	Ok

Ok

2026/6/18 5:06 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 193.5000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

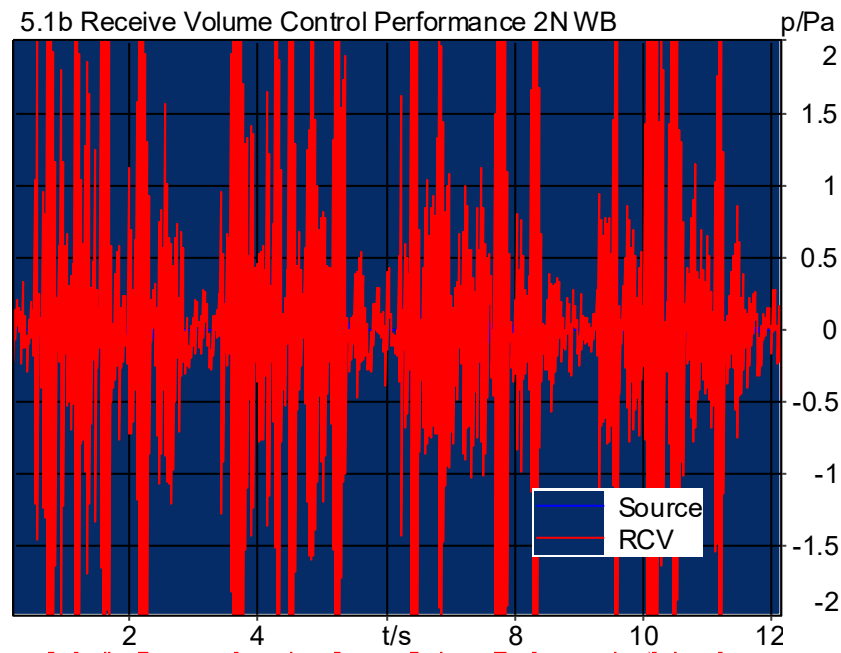
Line

Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-n77)

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

EVS-WB-24.4



Channel	Speech level	Activity	
RCV	86.07 dB[SPL]	83.74%	Ok

Ok

2026/6/18 5:39 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2)	0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1	0.00 dB
Output ch. 2	0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2	Range length	12000.00 ms
Range start	200.00 ms	Margin (15.9dB nom)	15.90 dB
Bandpass filter	Super Wideband		

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 131.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

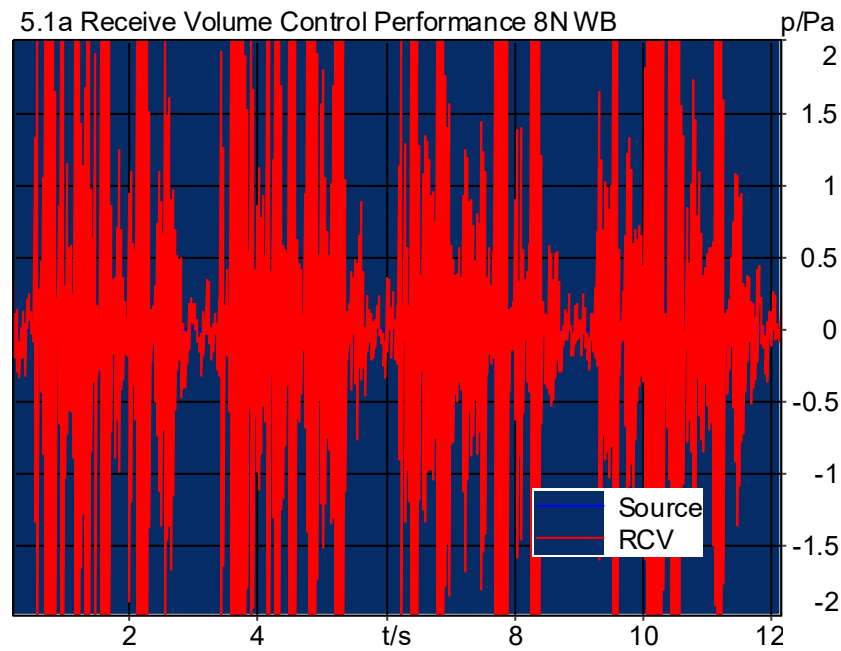
Input Ch.2

Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-n77)

TIA-5050 (2018-01) \ Measurements \ Wideband
EVS-WB-24.4



Channel	Speech level	Activity	
RCV	90.61 dB[SPL]	80.70%	Ok

Ok

2026/6/18 6:22 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)
Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 138.1000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

Line

Microphone

Measurement Protocol(81#~90#)

Measurement Object	Ti- CC26050303- Wifi2.4G	Ti- CC26050303- WiFi5.2G	Ti- CC26050303- WiFi5.3G	Ti- CC26050303- WiFi5.6G	Ti- CC26050303- WiFi5.8G
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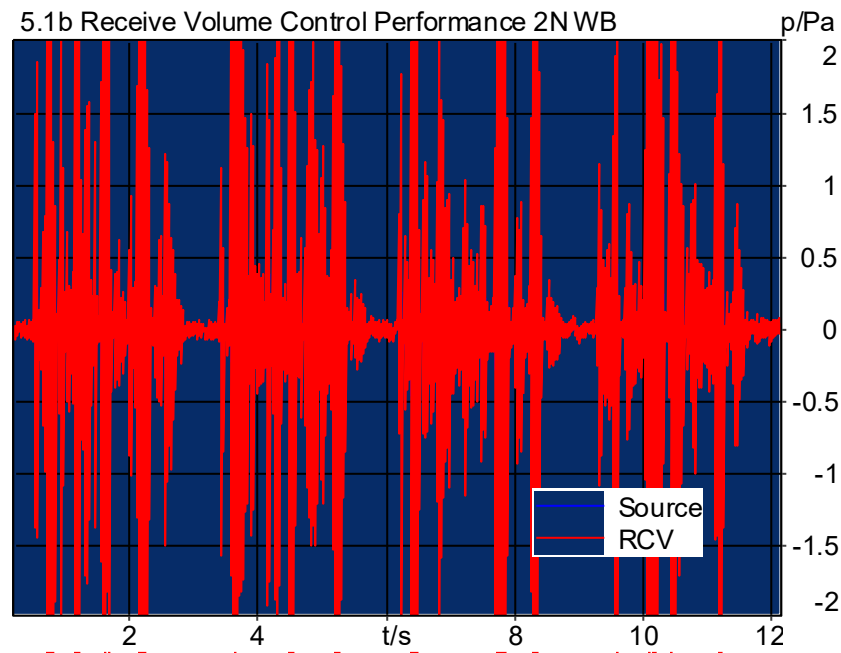
Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.18	Ti-CC26050303-Wifi2.4G
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.27	Ti-CC26050303-Wifi2.4G
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.49	Ti-CC26050303-WiFi5.2G
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.36	Ti-CC26050303-WiFi5.2G
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.35	Ti-CC26050303-WiFi5.3G
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.48	Ti-CC26050303-WiFi5.3G
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.32	Ti-CC26050303-WiFi5.6G
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.13	Ti-CC26050303-WiFi5.6G
5.1b Receive Volume Control Performance 2N WB	Ok	Speech Level [dB[SPL]]	86.67	Ti-CC26050303-WiFi5.8G
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	88.22	Ti-CC26050303-WiFi5.8G

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-Wifi2.4G)

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

AMR-WB-6.6



Channel	Speech level	Activity	
RCV	86.18 dB[SPL]	80.51%	Ok

Ok

2026/6/24 4:15 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 329.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

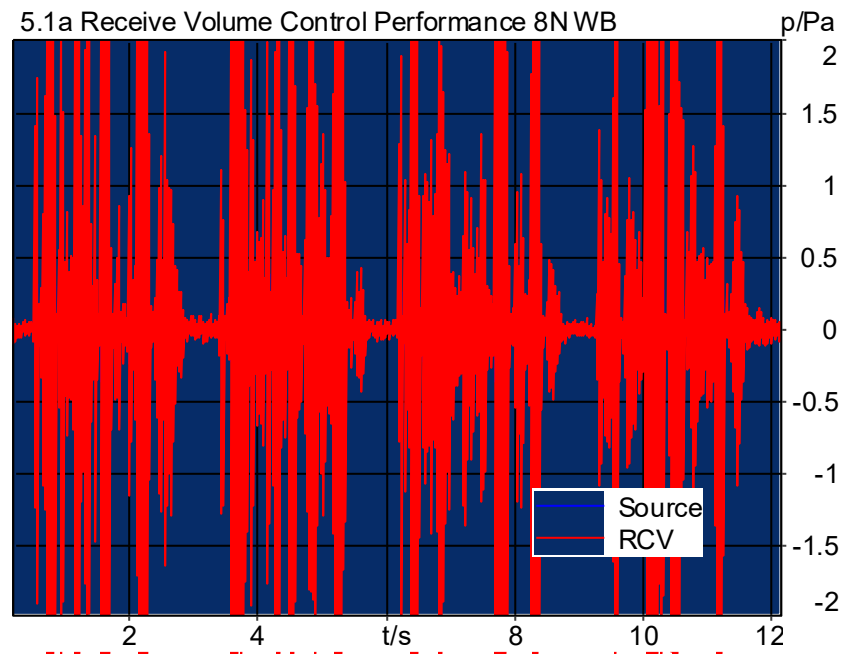
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-Wifi2.4G)

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

EVS-WB-5.9



Channel	Speech level	Activity	
RCV	88.27 dB[SPL]	82.75%	Ok

Ok

2026/6/24 4:35 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 136.5000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

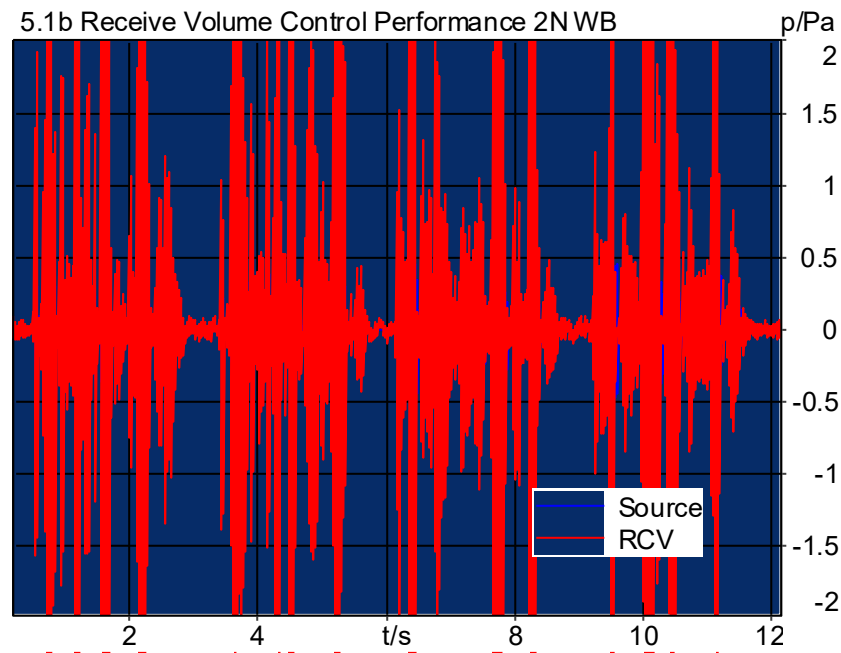
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-WiFi5.2G)

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

EVS-WB-5.9



Channel	Speech level	Activity	
RCV	86.49 dB[SPL]	83.57%	Ok

Ok

2026/6/24 5:18 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 185.3000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

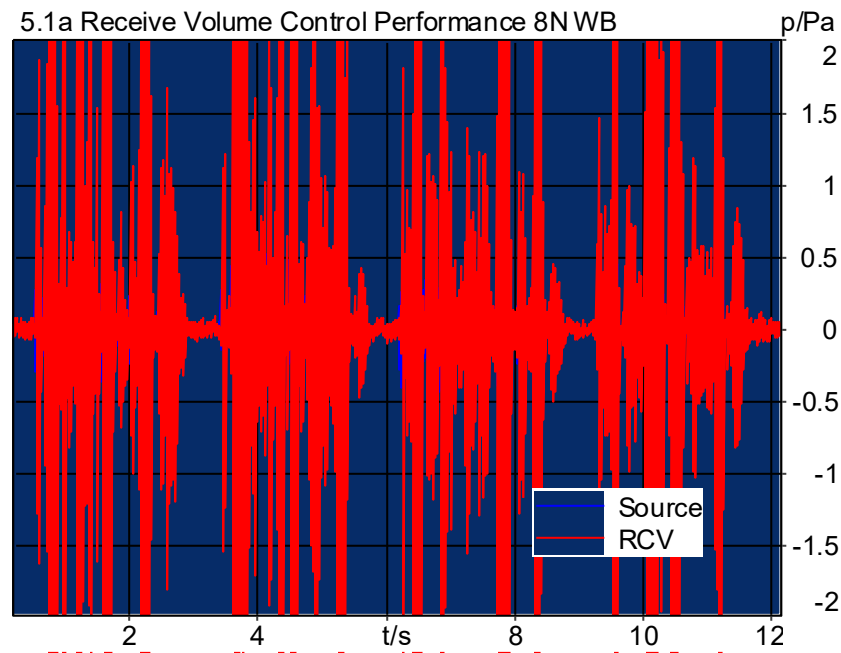
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-WiFi5.2G)

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

EVS-WB-5.9



Channel	Speech level	Activity	
RCV	88.36 dB[SPL]	83.20%	Ok

Ok

2026/6/24 5:10 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 147.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

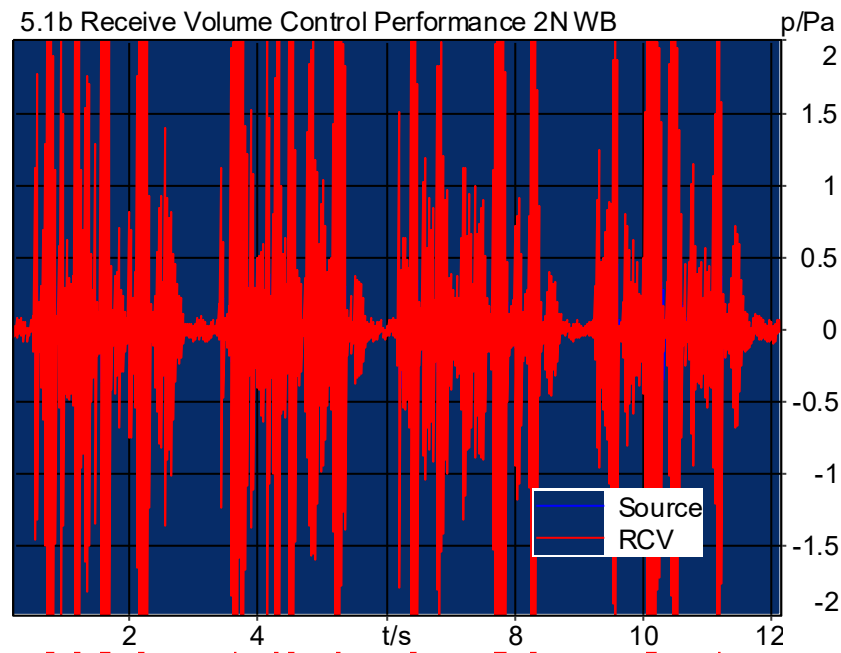
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-WiFi5.3G)

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

EVS-WB-5.9



Channel	Speech level	Activity	
RCV	86.35 dB[SPL]	82.91%	Ok

Ok

2026/6/24 5:25 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 175.1000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

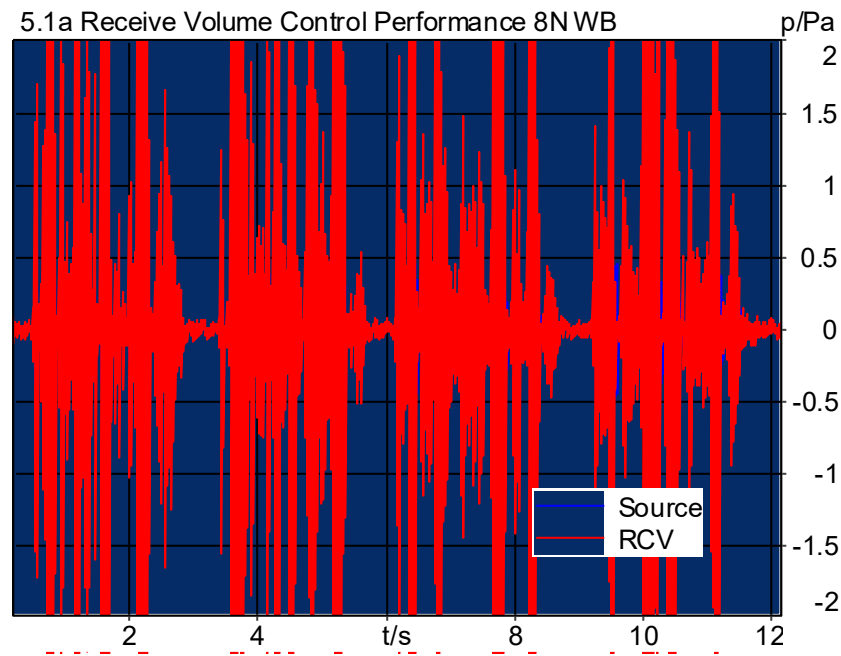
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-WiFi5.3G)

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

EVS-WB-5.9



Channel	Speech level	Activity	
RCV	88.48 dB[SPL]	81.74%	Ok

Ok

2026/6/24 5:46 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 193.7000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

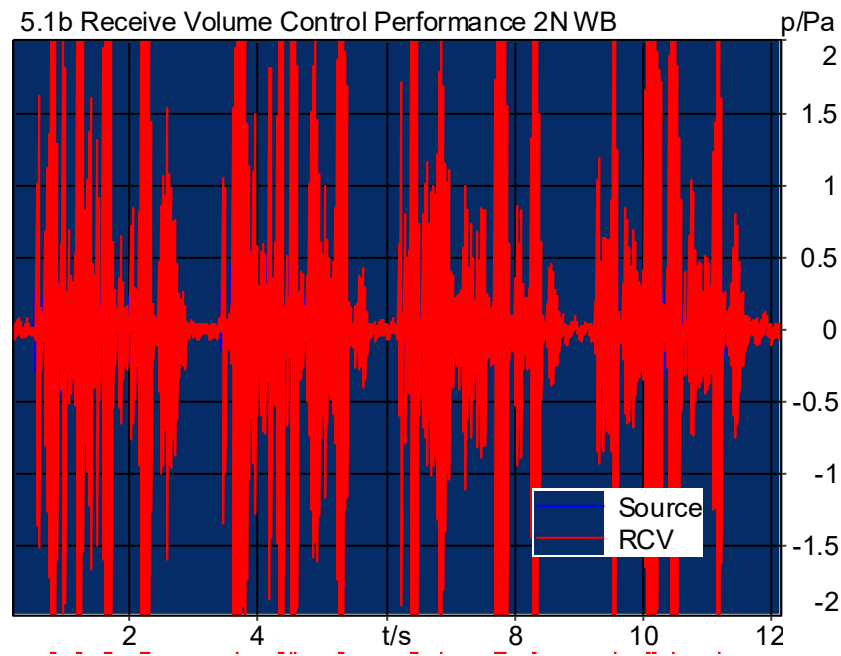
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-WiFi5.6G)

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

EVS-WB-5.9



Channel	Speech level	Activity	
RCV	86.32 dB[SPL]	83.71%	Ok

Ok

2026/6/24 6:34 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2)	0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1	0.00 dB
Output ch. 2	0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse	Channel 2		
Range start	200.00 ms	Range length	12000.00 ms
Bandpass filter	Super Wideband	Margin (15.9dB nom)	15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 135.4000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

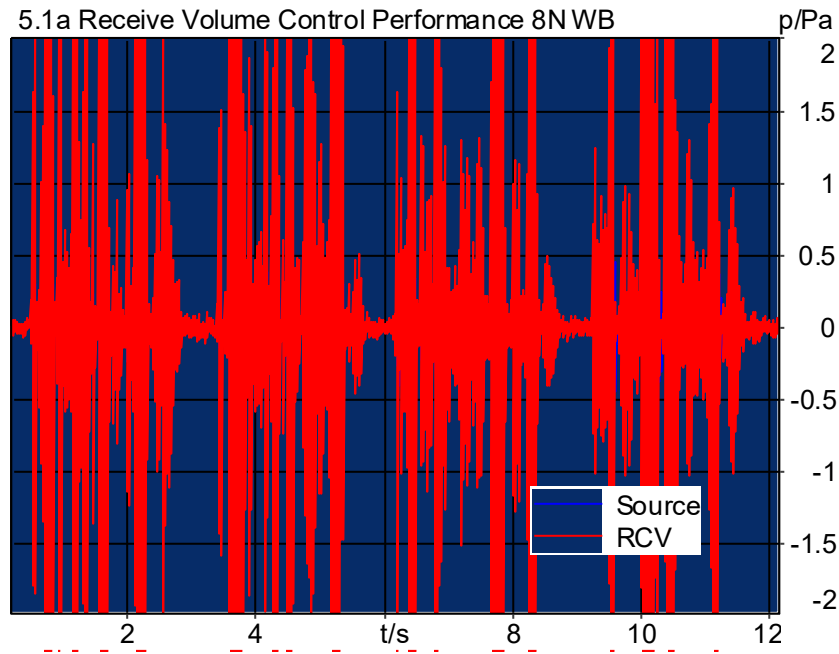
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-WiFi5.6G)

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

EVS-WB-5.9



Channel	Speech level	Activity	
RCV	88.13 dB[SPL]	83.76%	Ok

Ok

2026/6/24 5:54 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 183.2000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

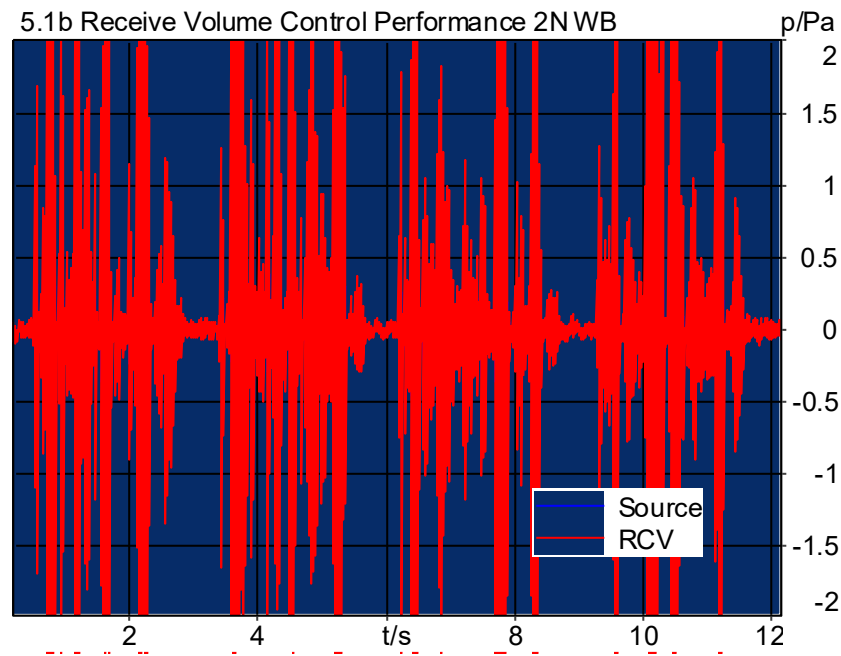
Output Ch.2

Input Ch.2 Microphone

5.1b Receive Volume Control Performance 2N WB (Ti-CC26050303-WiFi5.8G)

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

AMR-WB-6.6



Channel	Speech level	Activity	
RCV	86.67 dB[SPL]	80.23%	Ok

Ok

2026/6/24 6:36 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 343.1000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

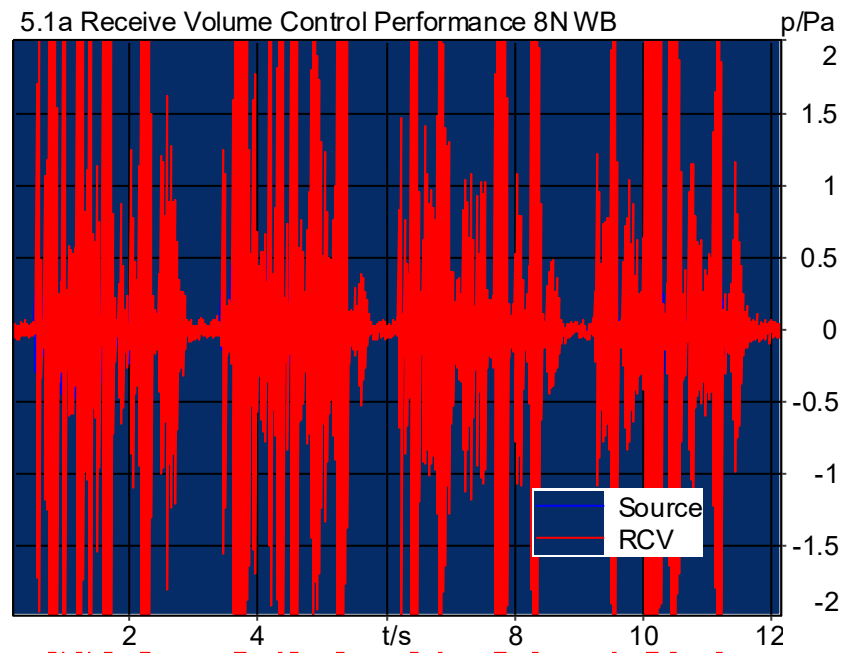
Output Ch.2

Input Ch.2 Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-WiFi5.8G)

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

EVS-WB-5.9



Channel	Speech level	Activity	
RCV	88.22 dB[SPL]	81.83%	Ok

Ok

2026/6/24 6:45 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 146.8000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2 Microphone

Measurement Protocol(91#~92#)

Measurement Object	Ti-CC26050303-LTEB2	Ti-CC26050303-LTEB4
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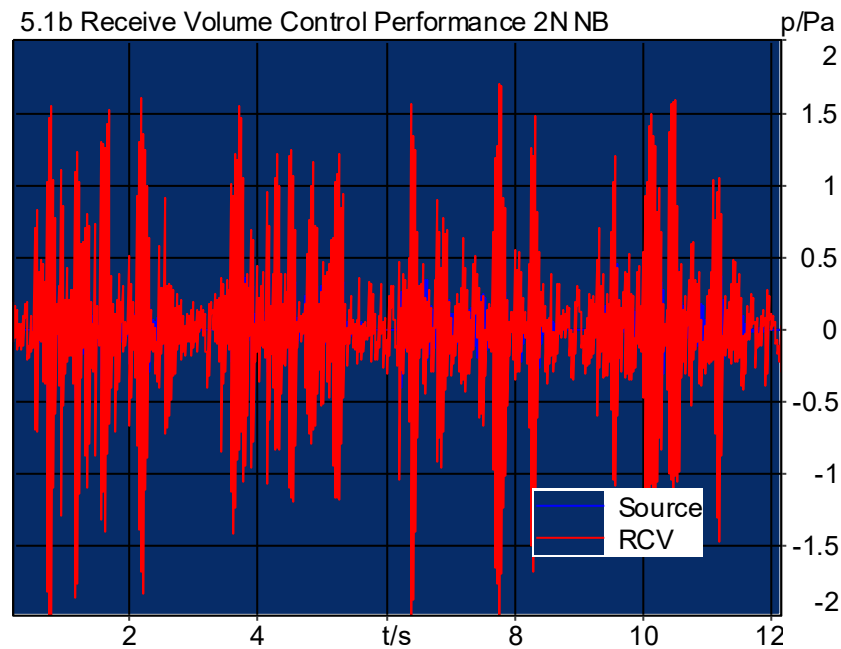
Status Overview

SMD	Status	Single Value Description	Single Value	Object
5.1b Receive Volume Control Performance 2N NB	Ok	Speech Level [dB[SPL]]	80.82	Ti-CC26050303-LTEB4
5.1a Receive Volume Control Performance 8N WB	Ok	Speech Level [dB[SPL]]	86.84	Ti-CC26050303-LTEB2

5.1b Receive Volume Control Performance 2N NB (Ti-CC26050303-LTEB4)

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

EVS-NB-5.9



Channel	Speech level	Activity	
RCV	80.82 dB[SPL]	80.68%	Ok

Ok

2026/6/25 10:23 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Narrow Band Margin (15.9dB nom)15.90 dB

Input Filters

FIR Filter Channel 2 Filename drp2ff_ieee1652.fft

Special Features

Show source signal Source ch.2

Compensate delay 149.0000 ms (D_RCV_NB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2

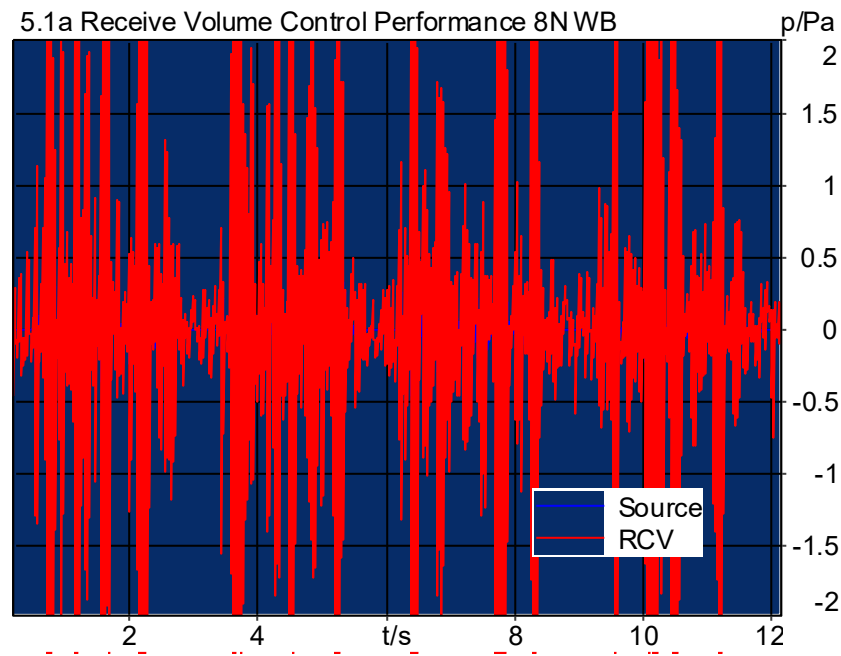
Line

Microphone

5.1a Receive Volume Control Performance 8N WB (Ti-CC26050303-LTEB2)

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

AMR-WB-24.4



Channel	Speech level	Activity	
RCV	86.84 dB[SPL]	80.06%	Ok

Ok

2026/6/25 10:32 ACQUA 6.2.100

Limits

lower
76.00 dB[SPL]

Meas. Setting DRP

Underlying Standard: TIA-5050 (2018-01)

Database Version: 40_HAC_Suite_Rev03

Calibration

RCV (2) 0.04 dB 2025/12/15 (HATS 1 (HMS II.3))
Output ch. 1 0.00 dB
Output ch. 2 0.00 dB (Radio Tester 1 (CMW500))

Analysis

Analyse Channel 2
Range start 200.00 ms Range length 12000.00 ms
Bandpass filter Super Wideband Margin (15.9dB nom) 15.90 dB

Input Filters

FIR Filter	Channel 2	Filename	drp2ff_ieee1652.fft
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Special Features

Show source signal Source ch.2

Compensate delay 155.5000 ms (D_RCV_WB, Delay (Cross) RCV*Source)

Channels 2

Hardware Config Settings

Used Setting TIA5050

MFE VI Settings

Output Ch.1 Line

Input Ch.1 Microphone

Output Ch.2

Input Ch.2 Microphone