

Device Under N48_EVS-NB24.4_8N Test:	
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Bandwidth Narrowband

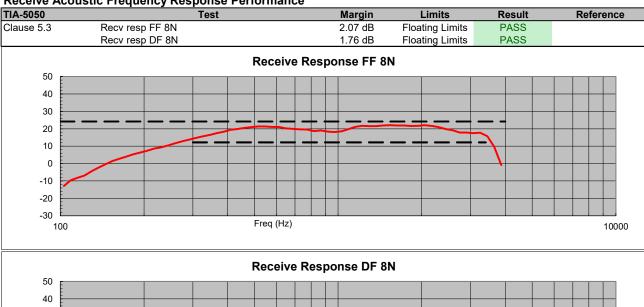
Test Date: 2024-04-19

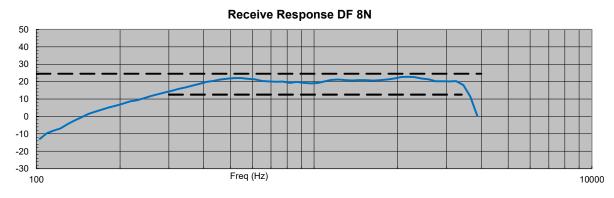
### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.48 dB	info only		
	Recv conversational gain 8N	20.48 dB	18.00	PASS	

### **Receive Distortion and Noise Performance**

TIA-5050			Test			Margin	Limits	Result	Reference
Clause 5.	2	Recv PN-SDNR 8N				6.1 dB	Absolute Limits	PASS	
Note: SDI	NR inc	cludes noise and distortion	products.						·
	70	8N - Receiv	e Signal-T	o-Disto	ortion	ı & Nois	e Ratio vs Fre	quency	
	60								
<b>≅</b>	50				$\perp$				
SDNR (dB)	40								
<b>≅</b>									
S	30		-		ightharpoonup		<b>-</b>		
S	20	_			<del>-+</del> +	<del> </del>		<del></del> -	
	10								
	0								
	1	00			Frequ	ency (Hz)			10000







Device Under Test:	N77_EVS-NB24.4_8N
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Bandwidth Narrowband

Test Date: 2024-04-19

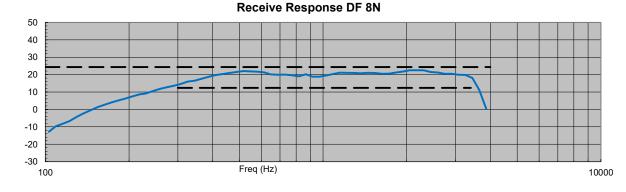
## **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.43 dB	info only		
	Recv conversational gain 8N	20.43 dB	18.00	PASS	

## **Receive Distortion and Noise Performance**

TIA-5050			Tes	t				Margin	Limits	Result	Reference
Clause 5.	2	Recv PN-SD	NR 8N					7.2 dB	Absolute Limits	PASS	
Note: SDI	NR inc	cludes noise and dis	stortion produ	ucts.							
	70	8N - R	Receive S	ignal-T	Го-Di	isto	rtio	n & Nois	e Ratio vs Fr	equency	
	60										
(n)	50										
(dB)	40										
SDNR	30			-	lacksquare			<b>-</b>	$\checkmark$	-	
S	20				┰ +		-				
	10										
	0										
	1	00				I	Frequ	ency (Hz)			10000

TIA-5050	Test		Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N		1.95 dB	Floating Limits	PASS	
	Recv resp DF 8N		1.85 dB	Floating Limits	PASS	
		Receive Resp	onse FF 8I	N		
50						
40						
30						
20						
10		_ _ -		-+	_	
0						
-10						
-20						
-30						
100		Freq (Hz)				10000
		Receive Resp	onse DF 8	N		
50						
40						





Device Under Test:	11b_EVS-NB24.4_8N	
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Bandwidth Narrowband

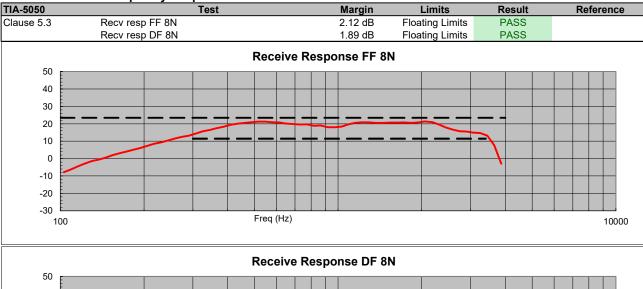
Test Date: 2024-04-12

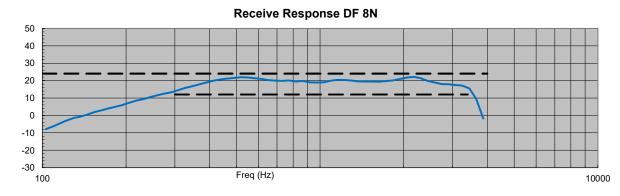
#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.25 dB	info only		
	Recv conversational gain 8N	20.25 dB	18.00	PASS	

### **Receive Distortion and Noise Performance**

VCCC146	, טוט	tortion and No	136 1 61101	mance								
ΓIA-5050			Te	st				Margin	Limits	Result	Reference	
Clause 5.	2	Recv PN-SI	ONR 8N					9.8 dB	Absolute Limits	PASS		
lote: SDNR includes noise and distortion products.												
		ONI I	Danaliya (	Cianal T	- D:	-1	4:	O Nicio	a Datia va Era			
	70	ON - I	Receive	Signai-i	וט-ט	Stor	uon	& NOIS	e Ratio vs Fre	equency		
	60											
<b>≅</b>	50											
(dB)	40											
SDNR												
5	30				Ī							
S	20				++		+ +			<del></del>		
	10											
	0	E				E.	200110	ncy (Hz)				
	1	00				г	eque	illy (HZ)			10000	







Device Under Test:	11a_EVS-NB24.4_8N	
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Bandwidth Narrowband

Test Date: 2024-04-12

#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.17 dB	info only		
	Recv conversational gain 8N	20.17 dB	18.00	PASS	

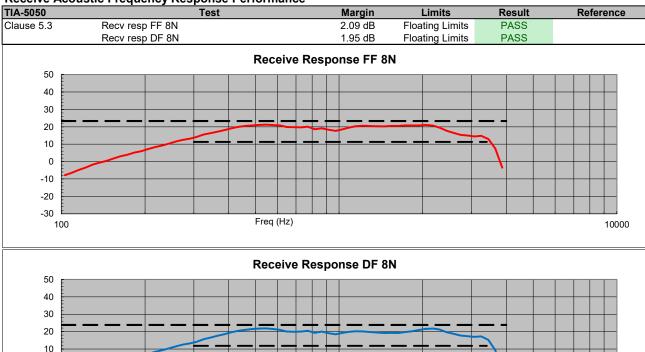
### **Receive Distortion and Noise Performance**

TIA-5050			Te	st			Margi	n	Limits	Result	Reference
Clause 5.	.2	Recv PN-SD	NR 8N				12.4 d	B Ab	solute Limits	PASS	
Note: SDI	NR incl	udes noise and di	stortion prod	ducts.							
	70 s	8N - F	Receive	Signal-	To-D	istor	ion & N	oise R	atio vs Fr	equency	
	60										
<b>≅</b>	50										
SDNR (dB)	40										
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တ	20			-+	<b>—</b> •						
	10										
	0 10	0			_	Fr	equency (	Hz)	<b>'</b>		10000

**Receive Acoustic Frequency Response Performance** 

0 -10 -20 -30

100



Freq (Hz)

10000



Device Under Test:	U-NII-2A_EVS-NB24.4_8N
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Bandwidth Narrowband

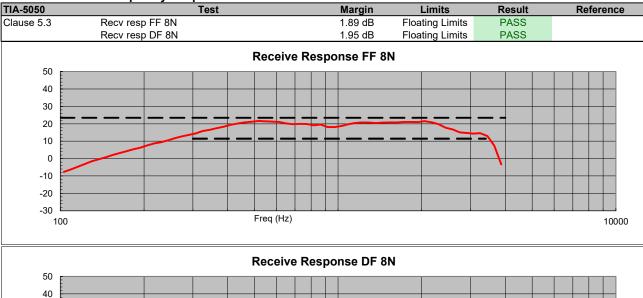
Test Date: 2024-04-12

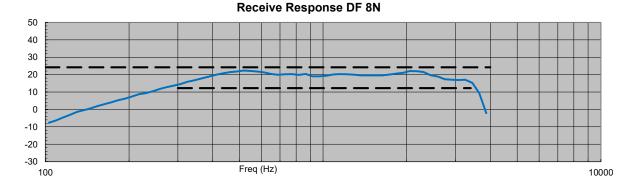
#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.43 dB	info only		
	Recy conversational gain 8N	20.43 dB	18.00	PASS	

### **Receive Distortion and Noise Performance**

TIA-5050			Test				Margin	Limits	Result	Reference
Clause 5.	2	Recv PN-SDN	IR 8N				9.8 dB	Absolute Limits	PASS	
Note: SDI	NR ind	cludes noise and dis	tortion products							
	70	8N - Re	eceive Sig	nal-To-D	isto	rtion	& Nois	e Ratio vs Fre	equency	
	60									
€ G	50									
(dB)	40								_	
SDNR	30			+					_	
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	10									
	0						41.			
	1	00			F	reque	ency (Hz)			10000







Device Under Test:	U-NII-2C_EVS-NB24.4_8N
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Bandwidth Narrowband

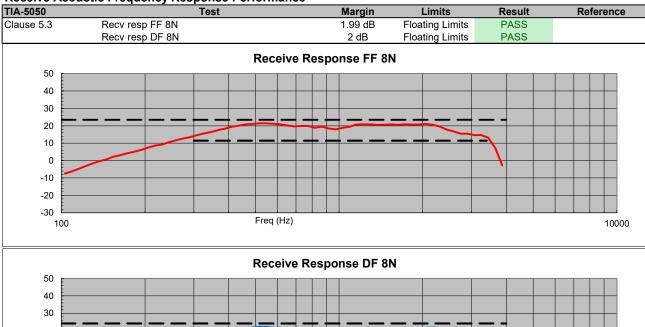
Test Date: 2024-04-12

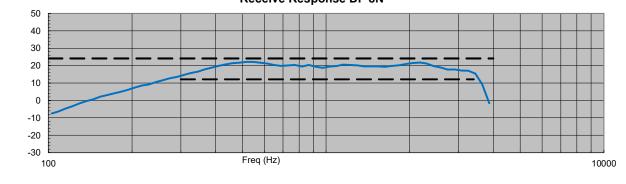
#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.37 dB	info only		
	Recy conversational gain 8N	20.37 dB	18.00	PASS	

#### **Receive Distortion and Noise Performance**

veceive	פוע	tortion and No	se renoi	mance							
ΓIA-5050			Te	st				Margin	Limits	Result	Reference
Clause 5.2	2	Recv PN-SD	NR 8N					8.9 dB	Absolute Limits	PASS	
lote: SDN	NR inc	cludes noise and di	stortion prod	ducts.							
		ONI E	Pagaiya (	Sianal '	T^ D	icto	rtio	a & Naic	o Potio ve Ere	allonov	
	70	OIN - F	keceive (	Signai-	ם-טו	ารเอ	ruoi	I & NOIS	e Ratio vs Fre	quency	
	60										
<b>@</b>	50										
(dB)	40						$\perp$				
SDNR	30										
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0,	20				<del>-</del>	<del></del>	++			<del></del> -	
	10										
	0										
		00				ı	Frequ	iency (Hz)			10000







Device Under Test:	U-NII-3_EVS-NB24.4_8N
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Bandwidth Narrowband

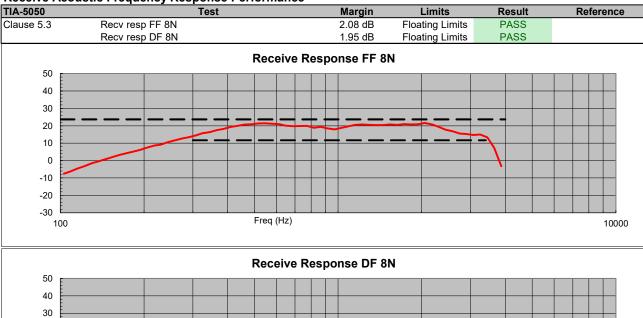
Test Date: 2024-04-12

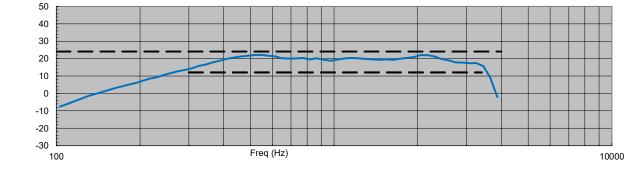
#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.33 dB	info only		
	Recv conversational gain 8N	20.33 dB	18.00	PASS	

### **Receive Distortion and Noise Performance**

TIA-5050	Test		Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N		9.9 dB	Absolute Limits	PASS	
Note: SDNR includ	les noise and distortion product	s.				
70 ⊾	8N - Receive Sig	ınal-To-Distort	ion & Nois	e Ratio vs Fre	quency	
<b>₽</b>						
60						
<b>⋒</b> 50						
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30 30 40 40 40 40 40 40 40 40 40 40 40 40 40						
<b>万</b> 20 ⊢		++-				
10						
0 <u> </u>		Fr	equency (Hz)			10000







Device Under Test:	U-NII-4_EVS-NB24.4_8N
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Bandwidth Narrowband

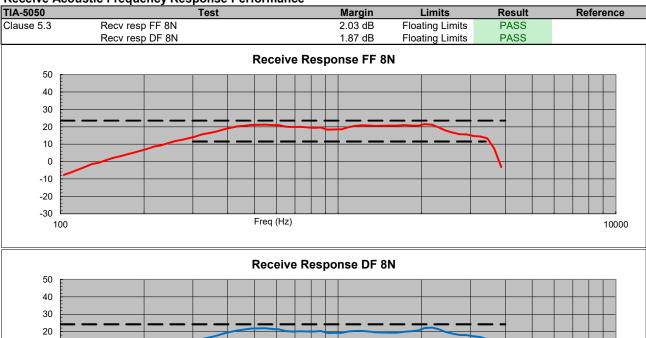
Test Date: 2024-04-12

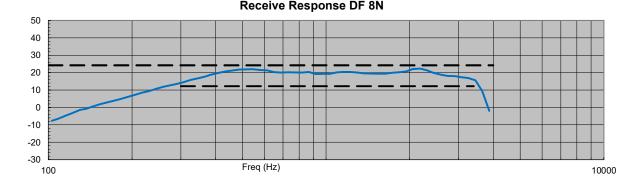
#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.33 dB	info only		
	Recy conversational gain 8N	20.33 dB	18.00	PASS	

### **Receive Distortion and Noise Performance**

TIA-5050			Tes	st				Margin	Limits	Result	Reference
Clause 5.	ause 5.2 Recv PN-SDNR 8N 6.5 dB Absolute Limits F										
Note: SDI	NR incl	udes noise and di	stortion prod	lucts.							
	70 s	8N - R	Receive S	Signal-	To-D	istor	tion	& Nois	e Ratio vs Fr	equency	
	60										
€	50										
SDNR (dB)	40						$\perp$				
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0)	20				<del></del> -		++				
	10										
	0 10	0				F	reque	ency (Hz)			10000







Device Under Test:	U-NII-5_EVS-NB24.4_8N
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Bandwidth Narrowband

Test Date: 2024-04-23

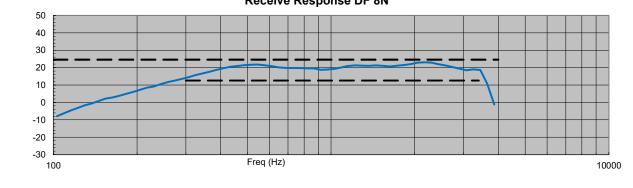
## **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.34 dB	info only		
	Recy conversational gain 8N	20.34 dB	18.00	PASS	

## **Receive Distortion and Noise Performance**

TIA-5050	Tes	t		Margin	Limits	Result	Reference				
Clause 5.2	Recv PN-SDNR 8N			11.6 dB	Absolute Limits	PASS					
Note: SDNR incl	ote: SDNR includes noise and distortion products.										
70 e	8N - Receive S	ignal-To-Di	stortion	n & Nois	e Ratio vs Fre	quency					
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60											
<b>≘</b> 50											
<b>B</b> B 40				_							
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10											
0											
10	00		Frequ	ency (Hz)			10000				

TIA-5050		Test				Margin	Limits	Resul	Re	ference
Clause 5.3	Recv resp FF 8N					1.82 dB	Floating Limits	PASS		
	Recv resp DF 8N					1.5 dB	Floating Limits	PASS		
			Rec	eive R	espo	nse FF 8	N			
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40										
30										
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10										
0								<del>-                                    </del>		
-10										
-20										
-30										
100			Freq	(Hz)						10000
			Rec	eive R	espo	nse DF 8	N			
50 E										
40										
-										





Device Under L66_Ant.B_EV	S-NB24.4_2N
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Bandwidth Narrowband

Test Date: 2024-04-17

## **Receive Volume Control Performance**

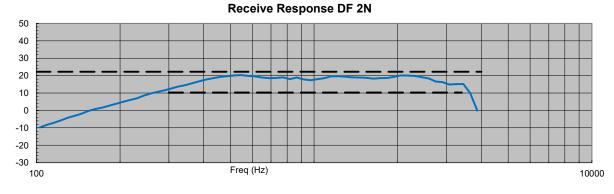
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	88.66 dB	info only		
	Recv conversational gain 2N	18.66 dB	6.00	PASS	

## **Receive Distortion and Noise Performance**

TIA-5050	Te	st	Margin	Limits	Result	Reference					
Clause 5.2	Recv PN-SDNR 2N		7.17 dB	Absolute Limits	PASS						
Note: SDNR inclu	ote: SDNR includes noise and distortion products.										
70 m	2N - Receive S	Signal-To-Dis	tortion & No	ise Ratio vs Fre	equency						
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60											
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30 40 40											
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0 E	0		Frequency (H	z)		10000					

**Receive Acoustic Frequency Response Performance** 

TA-5050		Test				Margin	Limits	Result	Reference
lause 5.3	Recv resp FF 2N					1.99 dB	Floating Limits	PASS	
	Recv resp DF 2N					1.96 dB	Floating Limits	PASS	
			Rec	eive I	Resp	onse FF 2	N		
50 E									
40									
30									
20		<del> </del>		<u> </u>	++	<del> </del>	-+		
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-10									
-20									
-30 E			Eroa	/U-)					
100			Freq	(nz)					10000
			Rec	eive F	Resp	onse DF 2	N		
50									
F									
40		+							





Device Under Test:	L66_Ant.B_EVS-WB24.4_2N
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Bandwidth Wideband

Test Date: 2024-04-17

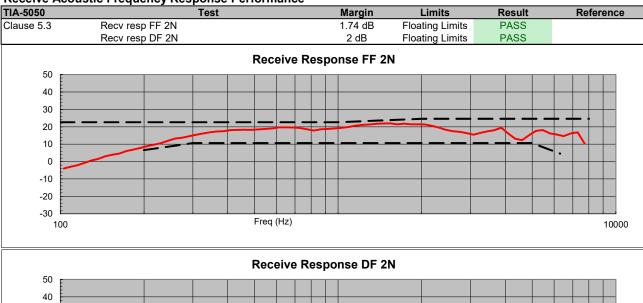
#### **Receive Volume Control Performance**

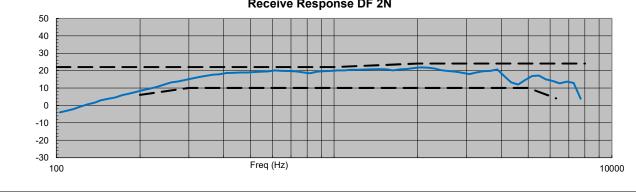
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	89.39 dB	info only		
	Recy conversational gain 2N	19.39 dB	6.00	PASS	

### **Receive Distortion and Noise Performance**

IZECEIAE	Receive Distortion and Noise Performance											
TIA-5050			Test Margin Limits Result F									
Clause 5.2	Plause 5.2 Recv PN-SDNR 2N 7.34 dB Absolute Limits PASS											
Note: SDN	ote: SDNR includes noise and distortion products.											
2N - Receive Signal-To-Distortion & Noise Ratio vs Frequency												
	70											
	60											
_	50											
(dB)	40								_			
ж )												
SDNR	30		_			_		<b>Y</b>				
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	10											
	0 1	00				Fr	eque	ency (Hz)			10000	

**Receive Acoustic Frequency Response Performance** 







Device Under Test:	L41_PC2_Ant.B_EVS-NB24.4_2N
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Bandwidth Narrowband

Test Date: 2024-04-17

## **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	88.7 dB	info only		
	Recv conversational gain 2N	18.7 dB	6.00	PASS	

## **Receive Distortion and Noise Performance**

TIA-5050			Te	st			Margin	Limits	Result	Reference		
Clause 5.	.2	Recv PN-SD	NR 2N				6.59 dB	Absolute Limits	PASS			
Note: SDNR includes noise and distortion products.												
	2N - Receive Signal-To-Distortion & Noise Ratio vs Frequency											
	60											
€	50											
SDNR (dB)	40											
<b>≅</b>								_	_			
N	30				T							
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	10											
	0 10	0				Fre	equency (Hz)			10000		

**Receive Acoustic Frequency Response Performance** 

0 -10 -20 -30

TA-5050	Test		Margin	Limits	Result	Reference
lause 5.3	Recv resp FF 2N		1.88 dB	Floating Limits	PASS	
	Recv resp DF 2N		1.72 dB	Floating Limits	PASS	
		Receive Res	ponse FF 2	N		
50 F						
40						
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20						
10					<del>- \                                   </del>	
0					<del>-                                     </del>	
-10						
-20						
-30						
100		Freq (Hz)				1000
		Receive Res	ponse DF 2	N		
50						
40						
30						
20						
10		المتاسات المتاب		أحادات الأساء		

Freq (Hz)

2N\_Summary 1/1

10000



Device Under Test:	L41_PC2_Ant.B_EVS-WB24.4_2N
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Bandwidth Wideband

Test Date: 2024-04-17

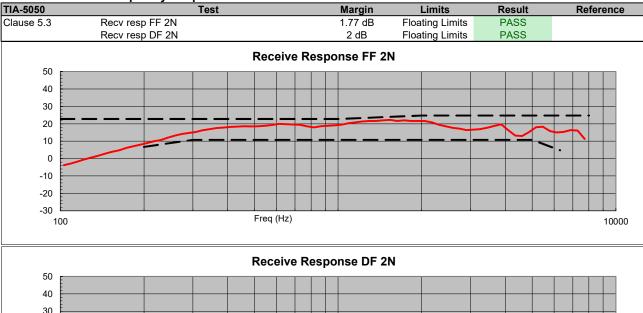
#### **Receive Volume Control Performance**

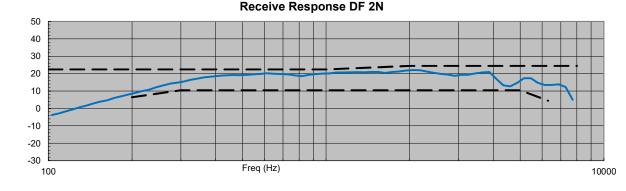
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	89.58 dB	info only		
	Recv conversational gain 2N	19.58 dB	6.00	PASS	

### **Receive Distortion and Noise Performance**

TIA-5050		Test		Margin	Limits	Result	Reference					
Clause 5.2	Recv PN-SDNF	R 2N		8.12 dB	Absolute Limits	PASS						
Note: SDNR	lote: SDNR includes noise and distortion products.											
-	2N - Receive Signal-To-Distortion & Noise Ratio vs Frequency											
6	60											
<u>6</u>	50											
SDNR (dB)	10			+++								
Ä	30											
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0, 2	20		++-	<del>+ +</del> -	<del>  </del>							
,	10											
I												
ı	100		F	requency (Hz)	,		10000					

**Receive Acoustic Frequency Response Performance** 







Device Under N12_Ant.D_EVS-I	NB24.4_2N
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Bandwidth Narrowband

Test Date: 2024-04-18

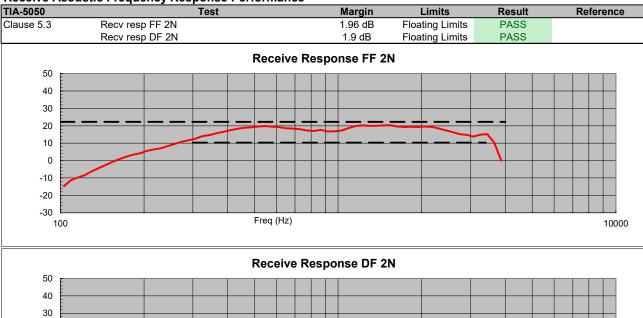
#### **Receive Volume Control Performance**

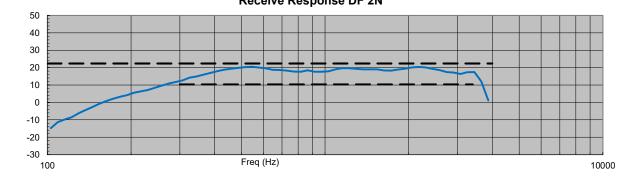
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	88.79 dB	info only		
	Recv conversational gain 2N	18.79 dB	6.00	PASS	

### **Receive Distortion and Noise Performance**

TIA-5050			Te	st				Margin	Limits	Result	Reference	
Clause 5.2	2	Recv PN-SD	NR 2N					7.65 dB	Absolute Limits	PASS		
Note: SDN	lote: SDNR includes noise and distortion products.											
	2N - Receive Signal-To-Distortion & Noise Ratio vs Frequency											
	60											
<u>6</u>	50											
B	40											
SDNR (dB)	30			-	4	+=-	-			-		
S	20			_+	-	-	<del></del>			-++		
	10											
	0 L											
	100	)					Frequ	uency (Hz)			10000	

**Receive Acoustic Frequency Response Performance** 







Device Under Test:	2_Ant.D_EVS-WB24.4_2N
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Bandwidth Wideband

Test Date: 2024-04-18

## **Receive Volume Control Performance**

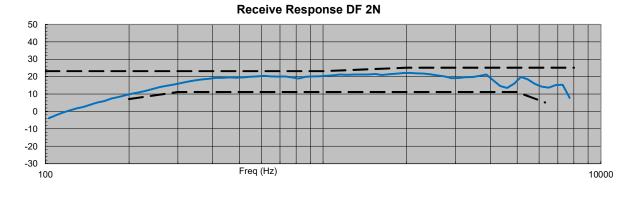
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	89.97 dB	info only		
	Recy conversational gain 2N	19.97 dB	6.00	PASS	

### **Receive Distortion and Noise Performance**

VCCC146	יטוסני	ortion and No	136 1 6110	IIIIaiice							
ΓIA-5050			Te	est				Margin	Limits	Result	Reference
Clause 5.	2	Recv PN-SI	ONR 2N					7.56 dB	Absolute Limits	PASS	
lote: SDI	NR incl	udes noise and d	istortion pro	ducts.							
		ON I	Danais ra	Cianal	T. D	iatau	4:	O Nicio	a Datia va Err		
	70 F	∠IN - I	Receive	Signai	- וט-ט	istor	uon	& NOIS	e Ratio vs Fre	equency	
	60										
	50										
쁑	40										
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SDNR (dB)	30			-	+						
S	20			$-\bot$	<u> </u>		$\bot$ $\bot$				
	10										
	0										
	10	00				F	reque	ncy (Hz)			10000

**Receive Acoustic Frequency Response Performance** 

TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 2N	2.14 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.4 dB	Floating Limits	PASS	
50	Receive	Response FF 2	N		
<sup>50</sup> [					
40					
30					
20		++==			
10					
					•
0					
-10					
-20					
-30					
100	Freq (Hz)				10000
	Receive	Response DF 2	N		
50 E					





Bandwidth Narrowband

Test Date: 2024-04-18

## **Receive Volume Control Performance**

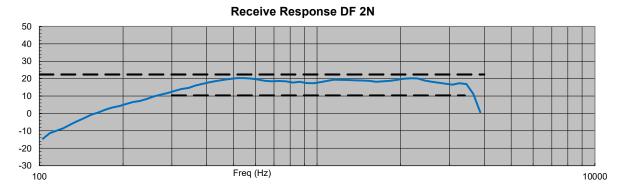
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	88.7 dB	info only		
	Recv conversational gain 2N	18.7 dB	6.00	PASS	

## **Receive Distortion and Noise Performance**

TIA-5050			Test				Margin	Limits	Result	Reference
Clause 5.	2	Recv PN-SDNR 21	1				8.84 dB	Absolute Limits	PASS	
Note: SDNR includes noise and distortion products.										
	2N - Receive Signal-To-Distortion & Noise Ratio vs Frequency									
	60									
B	50									
9	40									
SDNR (dB)	30		-	$\rightarrow$	╆┼	+			4	
S	20			-+	+	+				
	10									
	0 10	10				Frequ	lency (Hz)			10000

**Receive Acoustic Frequency Response Performance** 

TIA-5050	Test		Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 2N		2.17 dB	Floating Limits	PASS	
	Recv resp DF 2N		2.05 dB	Floating Limits	PASS	
		Receive Res	ponse FF 2	N		
50 E						
40						
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20	. — — — — — —					
E .					$\overline{}$	
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0					<del>\</del>	
-10						
-20						
<sub>-30</sub> 📒						
100		Freq (Hz)				10000
		Receive Res	ponse DF 2	N		
50 E						
40						
20						





Device Under Test:	N41_PC2_Ant.E_EVS-WB24.4_2N
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Bandwidth Wideband

Test Date: 2024-04-18

## **Receive Volume Control Performance**

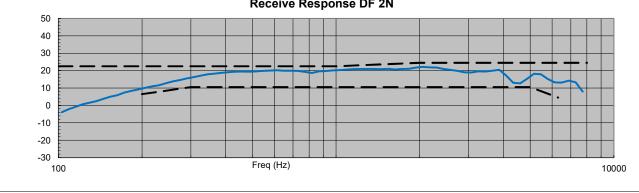
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	89.82 dB	info only		
	Recv conversational gain 2N	19.82 dB	6.00	PASS	

### **Receive Distortion and Noise Performance**

Receive Distriction and Noise Ferromaince											
TIA-5050			Te	st				Margin	Limits	Result	Reference
Clause 5.2	2	Recv PN-SD	NR 2N					4.83 dB	Absolute Limits	PASS	
Note: SDNR includes noise and distortion products.											
		ON E	Pagaina (	Cianal	To D	ioto	<b>-4</b> i	n O Naia	a Batia va Era	allonov.	
	70	ZIN - F	Receive .	Signai-	ע-טוי	ารเบ	ruo	II & NOIS	e Ratio vs Fre	quency	
	60										
	60										
â	50										
(dB)	40										
SDNR	30									_	
ā					T					7	
0,	20				+	-				<del></del> +	
	10										
	0										
		00					Frequ	uency (Hz)			10000

**Receive Acoustic Frequency Response Performance** 

TIA-5050	Т	est			Margin	Limits	Result	Referei	nce
Clause 5.3	Recv resp FF 2N				1.93 dB	Floating Limits	PASS		
	Recv resp DF 2N				2.1 dB	Floating Limits	PASS		
		Rec	eive R	espo	nse FF 2I	N			
50 F									
40									
30									
							-++	+ $+$ $+$	
20									
10				+					
0								<u> </u>	
-10									
<u> </u>									
-20									
-30 <u>└</u> 100		Freq	(Hz)						
100			()					11	0000
		Rec	eive R	espo	nse DF 2	N			
50 F									
40									





Device Under Test:	11b_MIMO_EVS-NB24.4_2N
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Bandwidth Narrowband

Test Date: 2024-04-17

## **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	88.71 dB	info only		
	Recv conversational gain 2N	18.71 dB	6.00	PASS	

### **Receive Distortion and Noise Performance**

veceive Distrition and Noise Ferrormance											
TIA-5050			Tes	st			Margin	Limits	Result	Reference	
Clause 5.	2	Recv PN-SD	NR 2N				7.35 dB	Absolute Limits	PASS		
lote: SDNR includes noise and distortion products.											
		ON F	la a a livra. C	Name I T	'- D:	-44	lan O Nia	iaa Datia wa Eu			
	70	∠N - F	keceive s	signai- i	וט-ס	stort	on & No	ise Ratio vs Fr	equency		
	60										
_	50										
(dB)											
~	40										
SDNR	30			-					•		
S							l T				
••	20										
	10										
	0										
	0	00				Fre	quency (H	z)	<u> </u>	10000	
	- 1	00					, quo (	<del>-</del> ,		10000	

Receive Acoustic Frequency Response Performance

100

TA-5050	Test		Margin	Limits	Result	Reference
lause 5.3	Recv resp FF 2N		1.9 dB	Floating Limits	PASS	_
	Recv resp DF 2N		1.94 dB	Floating Limits	PASS	
		Receive Res	sponse FF 2	N		
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0					,	
-10						
-20						
-30 E		<u> </u>				
100		Freq (Hz)				1000
		Receive Res	sponse DF 2	N		
50						
40						
30						
20			+			
10						
<b>.</b>						
0					1	
-10						
-20 🔙						

Freq (Hz)

2N\_Summary 1/1

10000



Device Under Test:	11b_MIMO_EVS-WB24.4_2N
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Bandwidth Wideband

Test Date: 2024-04-17

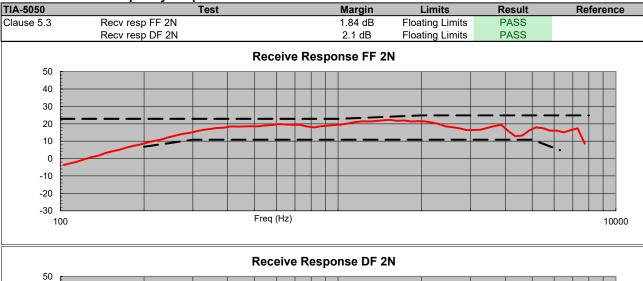
#### **Receive Volume Control Performance**

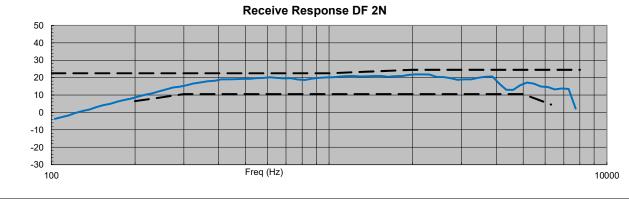
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	89.6 dB	info only		
	Recy conversational gain 2N	19.6 dB	6.00	PASS	

#### **Receive Distortion and Noise Performance**

Veceive	פום ;	tortion and No	ise Perioriii	ance							
ΓIA-5050			Test			Margin	Limits	Result	Reference		
Clause 5.	2	Recv PN-SD	NR 2N			7.16 dB	Absolute Limits	PASS			
ote: SDNR includes noise and distortion products.											
2N - Receive Signal-To-Distortion & Noise Ratio vs Frequency											
	70	∠IN - F	Receive Si	gnai-10	יטוצנטו	tion & Nois	se Ratio vs Fre	quency			
	60										
€	50										
(dB)	40										
SDNR	20					<b>↓</b> //					
ָהָ הַ	30										
Ø	20					+ +		<del></del> -			
	10										
	0	00			F	requency (Hz)		<u> </u>	10000		
		00				3 ( )			10000		

**Receive Acoustic Frequency Response Performance** 







Device Under Test:  11a_MIMO_EVS-NB24.4_2N
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Bandwidth Narrowband

Test Date: 2024-04-17

#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	88.74 dB	info only		
	Recy conversational gain 2N	18.74 dB	6.00	PASS	

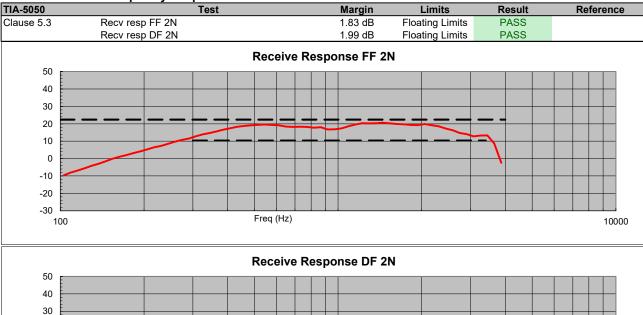
### **Receive Distortion and Noise Performance**

TIA-5050 Test Margin Limits Result Reference											
		Test				Margin	Limits	Result	Reference		
2	Recv PN-SD	NR 2N				8.57 dB	Absolute Limits	PASS			
ote: SDNR includes noise and distortion products.											
	0N 5			Б:		0	. D.C E				
70	2N - R	eceive Si	gnai- ic	ט-טוכי	torti	on & Nois	e Ratio vs Fre	quency			
-											
60											
50											
40											
30			•								
00						T					
20			الأداة				احتصانها				
10											
Λ											
	10				Fre	quency (Hz)			10000		
	70 60 50 40 30 20 10	Recv PN-SD	Recv PN-SDNR 2N R includes noise and distortion product  2N - Receive Signature  70 60 50 40 30 20 10 0	Recv PN-SDNR 2N IR includes noise and distortion products.  2N - Receive Signal-To 60 50 40 30 20 10 0	Recv PN-SDNR 2N IR includes noise and distortion products.  2N - Receive Signal-To-Dist  70 60 50 40 30 20 10 0	Recv PN-SDNR 2N IR includes noise and distortion products.  2N - Receive Signal-To-Distortion  70  60  50  40  30  20  10  0	Test Margin Recv PN-SDNR 2N 8.57 dB R includes noise and distortion products.  2N - Receive Signal-To-Distortion & Nois  40 30 20 10 0	Test Margin Limits Recv PN-SDNR 2N 8.57 dB Absolute Limits Rincludes noise and distortion products.  2N - Receive Signal-To-Distortion & Noise Ratio vs Fre  40  30  20  10  0	Recv PN-SDNR 2N 8.57 dB Absolute Limits PASS IR includes noise and distortion products.  2N - Receive Signal-To-Distortion & Noise Ratio vs Frequency  70  60  40  30  20  10  0		

**Receive Acoustic Frequency Response Performance** 

20 10 0 -10 -20 -30

100







Device Under Test:	11a_MIMO_EVS-WB24.4_2N
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Bandwidth Wideband

Test Date: 2024-04-17

## **Receive Volume Control Performance**

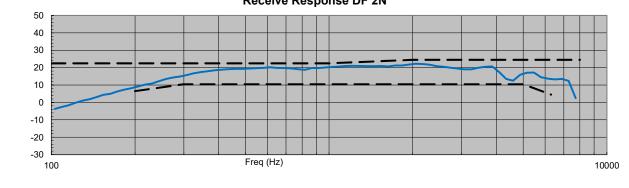
TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 2N	89.67 dB	info only		
	Recy conversational gain 2N	19.67 dB	6.00	PASS	

## **Receive Distortion and Noise Performance**

VCCC146	Disto	ntion and No	136 1 61101	IIIIaiice							
ΓIA-5050			To	est			P	Margin	Limits	Result	Reference
Clause 5.2 Recv PN-SDNR 2N 5.35 dB Absolute Limits PASS											
lote: SDI	NR inclu	ides noise and d	istortion pro	ducts.							
	70	2N - F	Receive	Signal-	To-D	istor	tion	& Nois	e Ratio vs Fro	equency	
	70 <b>[</b>										
	60										
	50										
9											
~	40										
SDNR (dB)	30		<del> </del>		+		•			$\longrightarrow$	
SD	20										
	1								استسالست		
	10		$\overline{}$								
	o L										
	100	)				Fı	reque	ncy (Hz)			10000

**Receive Acoustic Frequency Response Performance** 

TIA-5050	Test		Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 2N		1.9 dB	Floating Limits	PASS	
	Recv resp DF 2N		2 dB	Floating Limits	PASS	
		Receive Res	ponse FF 2	N		
50 E						
40						
30						
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10						. \
0						
-10						
-20						
-30						
100		Freq (Hz)				10000
		Receive Res	ponse DF 2	N		
50 F						
40						
20						





Device Under Test:  L66_Ant.B_EVS-NB24.4_8N	
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Bandwidth Narrowband

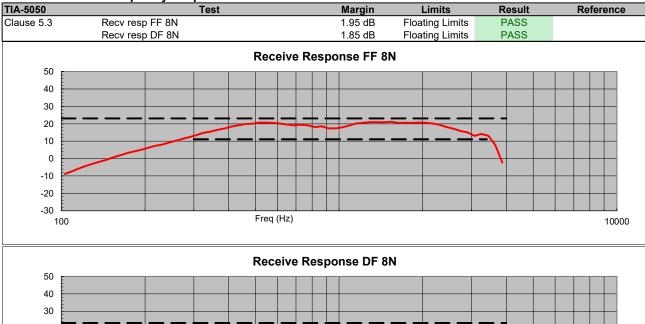
Test Date: 2024-04-17

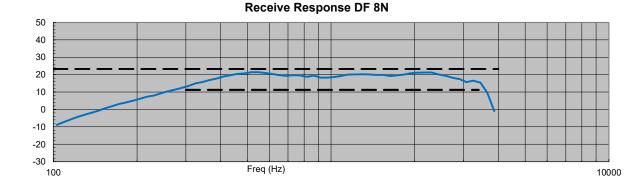
#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	89.66 dB	info only		
	Recy conversational gain 8N	19.66 dB	18.00	PASS	

### **Receive Distortion and Noise Performance**

TIA-5050		Test			Margin	Limits	Result	Reference
Clause 5.	2	Recv PN-SDNR 8N			8 dB	Absolute Limits	PASS	
Note: SDI	NR incl	udes noise and distortion produc	is.					
	70 F	8N - Receive Sig	nal-To-Dist	ortio	n & Nois	e Ratio vs Fre	equency	
	60							
<b>a</b>	50							
SDNR (dB)	40							
Ä	30		++-					
Ø	20		+++	<del>  -   -</del> -			<del></del> -	
	10							
	0 10	in		Frequ	uency (Hz)			10000







Device Under Test:	L66_Ant.B_EVS-WB24.4_8N
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Bandwidth Wideband

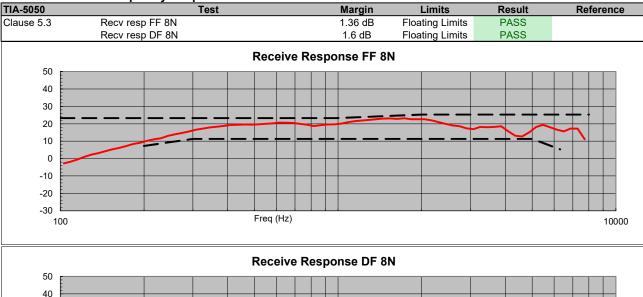
Test Date: 2024-04-17

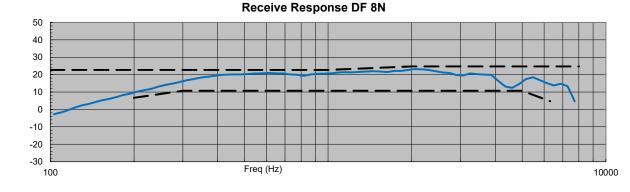
#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.49 dB	info only		
	Recy conversational gain 8N	20.49 dB	18.00	PASS	

#### **Receive Distortion and Noise Performance**

veceive	פום :	tortion and No	ise Perionii	ance						
ΓIA-5050			Test				Margin	Limits	Result	Reference
lause 5.2	2	Recv PN-SD	NR 8N				5.2 dB	Absolute Limits	PASS	
lote: SDN	NR ind	cludes noise and d	istortion produc	cts.						
		8N - F	Receive Si	gnal-To	o-Dis	torti	on & Nois	se Ratio vs Fre	equency	
	70									
	60									
<b>€</b>	50									
(dB)	40									
SDNR	30			_	<b>_</b>	<b>*</b>				
SD							I T			
	20									
	10									
	0									
		00				Fre	quency (Hz)	1		10000







0 -10 -20 -30

100

# TIA-5050 Receive Volume Control Measurements - 8N

Device Under Test:	L41_PC2_Ant.B_EVS-NB24.4_8N
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Bandwidth Narrowband

Test Date: 2024-04-17

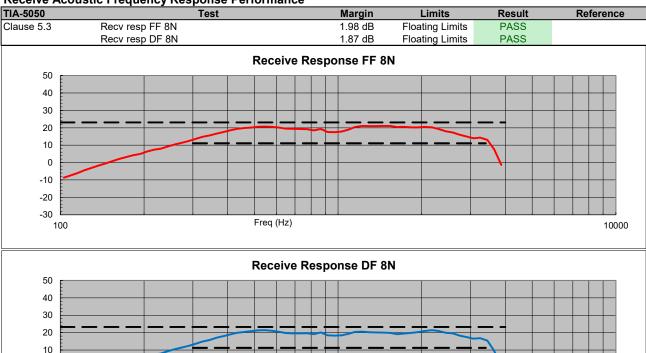
#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	89.72 dB	info only		
	Recv conversational gain 8N	19.72 dB	18.00	PASS	

#### **Receive Distortion and Noise Performance**

TIA-5050		Ortion and No		est	•				Morain	Limi	40	Result		Dofe	**************************************
		D. DN 05		:51					Margin					Keie	erence
Clause 5.2 Recv PN-SDNR 8N 10.5 dB Absolute Limits PASS lote: SDNR includes noise and distortion products.															
lote: SDI	NR inc	ludes noise and d	istortion pro	ducts.											
		ON F	2000	C:	. T.	D:-	44	.:	0 Na:a	- D-4!-	F				
	70	8N - I	Receive	Signa	1-10	-DIS	tori	ion	& NOIS	e Ratio	vs Fre	quency			
	60														
_	50														
<u>@</u>									_						
SDNR (dB)	40														
Ĕ	30				_					_					
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0,	20							-					+		
	10														
	0								411						
	10	00					Fr	eque	ncy (Hz)						10000

**Receive Acoustic Frequency Response Performance** 



Freq (Hz)

10000



Device Under Test:	L41_PC2_Ant.B_EVS-WB24.4_8N
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Bandwidth Wideband

Test Date: 2024-04-17

#### **Receive Volume Control Performance**

TIA-5050	Test	Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N	90.53 dB	info only		
	Recv conversational gain 8N	20.53 dB	18.00	PASS	

### **Receive Distortion and Noise Performance**

ΓIA-5050			Te	st			N	/largin	Limits	Result	Reference	
Clause 5.	Clause 5.2 Recv PN-SDNR 8N 10.6 dB Absolute Limits PASS											
lote: SDI	NR inclu	des noise and d	istortion prod	ducts.								
	70	8N - F	Receive S	Signal-	-To-D	istor	tion	& Nois	e Ratio vs Fr	equency		
	70											
	60											
<u>@</u>	50											
SDNR (dB)	40									_		
품	30											
Ö									T			
0,	20				<del>-</del>		+ +					
	10											
	0 L											
	100	)				Fı	eque	ncy (Hz)			10000	

