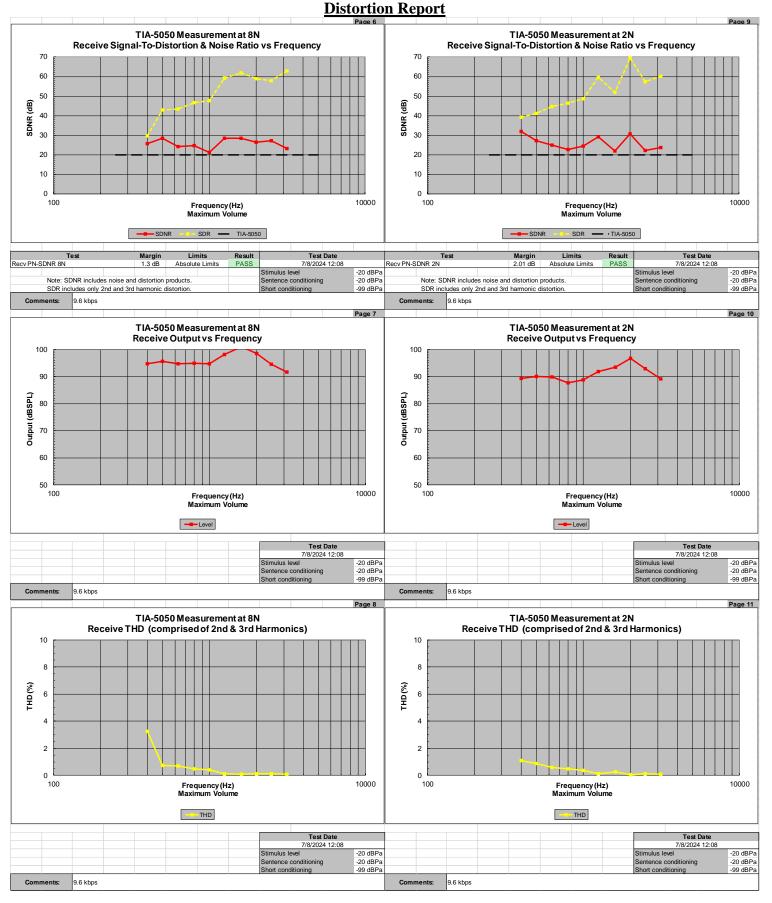
LTE Band 25 EVS-NB: 9.6 kbps 1,0 RB QPSK Conversational Gain & Frequency Response Report

	Conversational Gain					
	TIA-5050 Receive Vo	olur	ne Contro	I Measure	ments	
Device Under						Page 1
est:	LTE B25 EVS-NB					
						
andwidth	Narrowband					
Test Date:	7/8/2024					
requency R						
TA-5050	Test		Margin	Limits	Result	Reference
clause 5.3	Recviresp FF 8N Recviresp DF 8N		2.33 dB 3.04 dB	Floating Limits Floating Limits	PASS PASS	
	Recviesp FF 2N		1.69 dB	Floating Limits	PASS	
	Recv resp DF 2N		1.81 dB	Floating Limits	PASS	
	eive Response FF 8N			ceive Respo	nse FF 2N	
30			30	+ + +		
20			20			
	\Box \Box \Box \Box \Box \Box \Box					
10			10			
0		-	0			
0			-10			
			-10			
20			-20		,	
100	Freq (Hz) 100	000	100	Freq (H	Z)	10000
Rece	eive Response DF 8N		Re	ceive Respoi	nse DF 2N	
30 F			30			
,	M					
20			20		\ \	
10			10			
			/			
0			0	 		
			1.0			
0			-10			
.0			₋₂₀ E			
100	Freq (Hz) 100	000	100	Freq (H	z)	10000
Output						
IA-5050	Test		Measured	Limits	Result	Reference
lause 5.1	Recvoutput level dBSPL 8N		94.23 dB	info only		
	Recv conversational gain 8N		24.23 dB	18.00	PASS	
	Recv output level dBSPL 2N		88.61 dB	info only		
	Recv conversational gain 2N		18.61 dB	6.00	PASS	
	, <u>,</u>					
Distortion						
IA-5050	Test		Margin	Limits	Result	Reference
lause 5.2	Recv PN-SDNR 8N		1.3 dB	Absolute Limits	PASS	
	Dooy DNI CDNID ON		2 04 -15	Absolute Limit	DACC	
	Recv PN-SDNR 2N		2.01 dB	Absolute Limits	PASS	

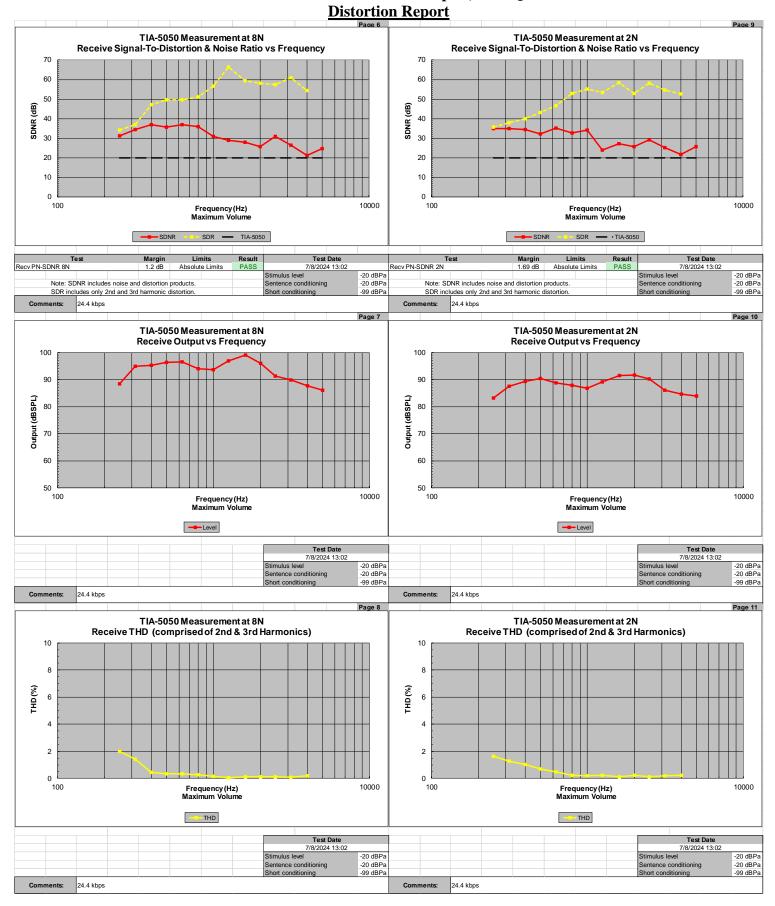
LTE Band 25 EVS-NB: 9.6 kbps 1,0 RB QPSK



LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB QPSK Conversational Gain & Frequency Response Report

TIA-5050 Receive Volume Control Measurements Page 1 **Device Under** LTE B25 EVS-WB Test: Bandwidth Wideband 7/8/2024 Test Date: **Frequency Response** TIA-5050 Limits Result Margin Reference Test Clause 5.3 Floating Limits **PASS** Recv resp FF 8N 2.01 dB Recv resp DF 8N 3 dB Floating Limits **PASS** Recv resp FF 2N 2.84 dB Floating Limits **PASS** Recv resp DF 2N 2.5 dB Floating Limits **PASS Receive Response FF 8N** Receive Response FF 2N 30 30 20 20 10 10 0 0 -10 10 -20 20 Freq (Hz) Freq (Hz) 10000 100 100 10000 **Receive Response DF 8N** Receive Response DF 2N 30 30 20 20 10 10 0 0 -10 10 -20 -20 Freq (Hz) Freq (Hz) 100 100 10000 10000 Output TIA-5050 Test Limits Result Reference Measured Clause 5.1 Recvoutput level dBSPL 8N 94.49 dB info only Recv conversational gain 8N 24.49 dB 18.00 PASS Recvoutput level dBSPL 2N 88.28 dB info only **PASS** Recv conversational gain 2N 18.28 dB 6.00 **Distortion** TIA-5050 Test Margin Limits Result Reference Clause 5.2 Recv PN-SDNR 8N PASS 1.2 dB Absolute Limits **PASS** Recv PN-SDNR 2N 1.69 dB Absolute Limits

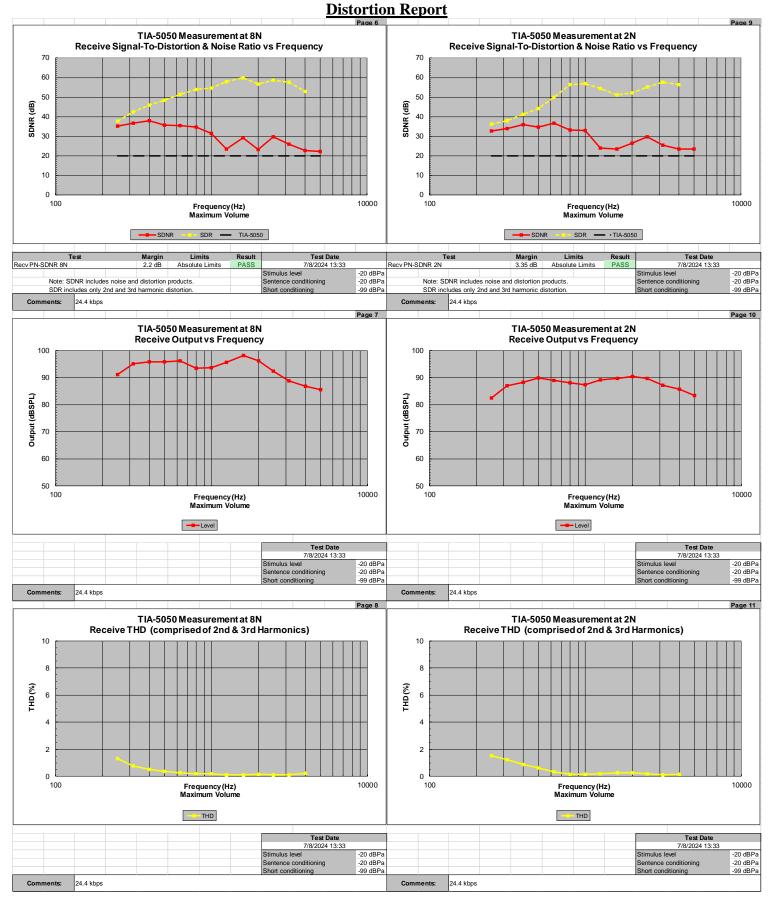
LTE Band 25 EVS-WB: 24.4 kbps 1,0 RB QPSK



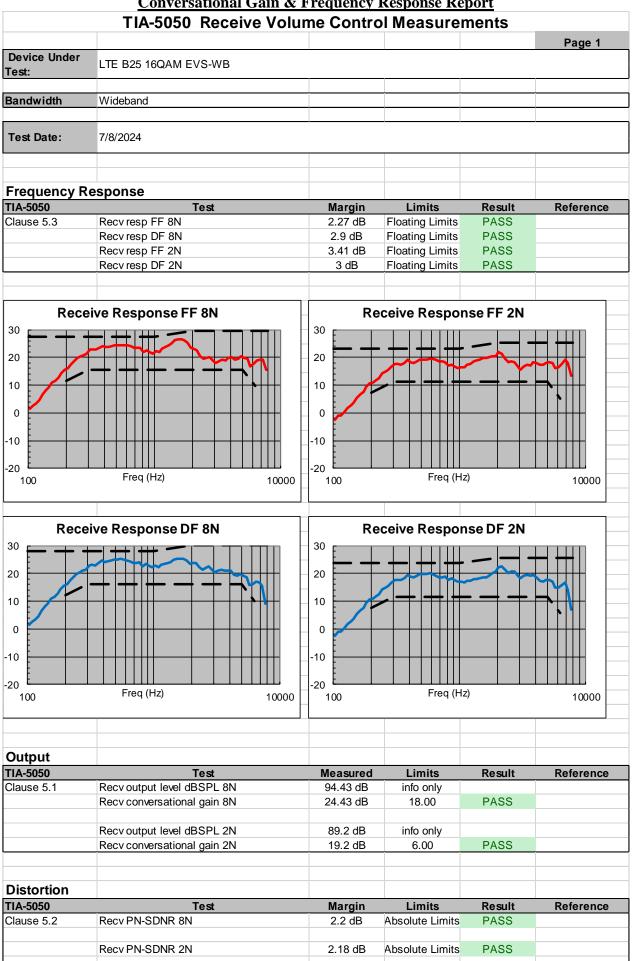
LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB QPSK Conversational Gain & Frequency Response Report

TIA-5050 Receive Volume Control Measurements Page 1 **Device Under** LTE B25 100RB EVS-WB Test: Bandwidth Wideband 7/8/2024 Test Date: **Frequency Response** TIA-5050 Limits Result Margin Reference Test Clause 5.3 Floating Limits **PASS** Recv resp FF 8N 1.96 dB Recv resp DF 8N 2.7 dB Floating Limits **PASS** Recv resp FF 2N 2.87 dB Floating Limits **PASS** Recv resp DF 2N 2.4 dB Floating Limits **PASS** Receive Response FF 8N Receive Response FF 2N 30 30 20 20 10 10 0 0 10 10 -20 20 Freq (Hz) Freq (Hz) 10000 100 100 10000 **Receive Response DF 8N** Receive Response DF 2N 30 30 20 20 10 10 0 0 -10 10 -20 -20 Freq (Hz) Freq (Hz) 100 100 10000 10000 Output TIA-5050 Limits Result Reference Test Measured Clause 5.1 Recvoutput level dBSPL 8N 94.56 dB info only Recv conversational gain 8N 24.56 dB 18.00 PASS Recvoutput level dBSPL 2N 88.04 dB info only 6.00 **PASS** Recv conversational gain 2N 18.04 dB **Distortion** TIA-5050 Test Margin Limits Result Reference Clause 5.2 Recv PN-SDNR 8N PASS 2.2 dB Absolute Limits **PASS** Recv PN-SDNR 2N 3.35 dB Absolute Limits

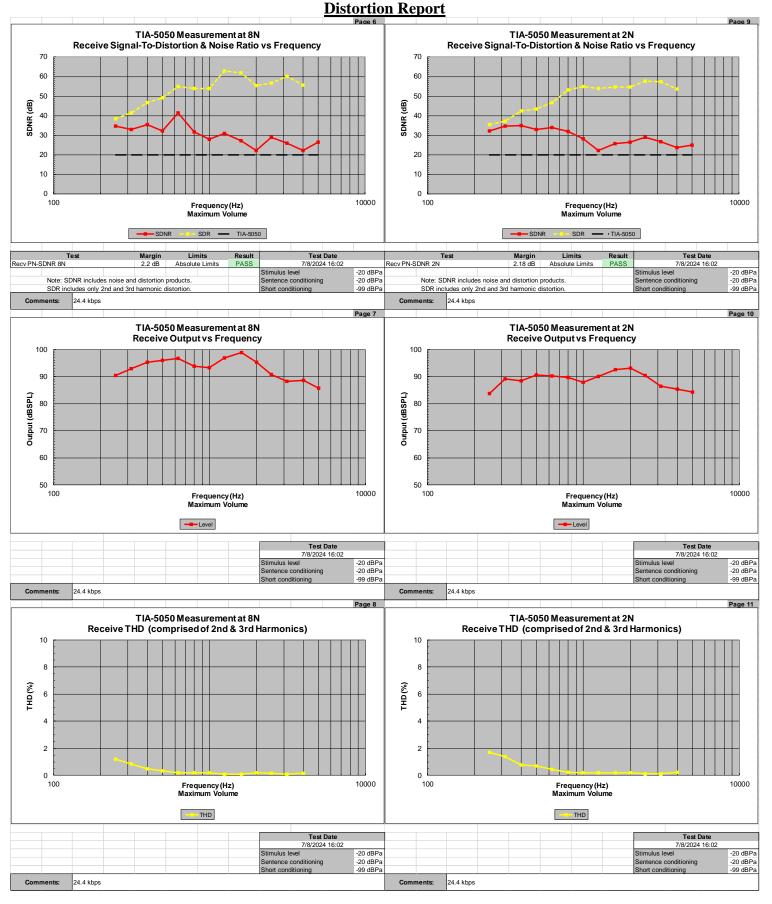
LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB QPSK



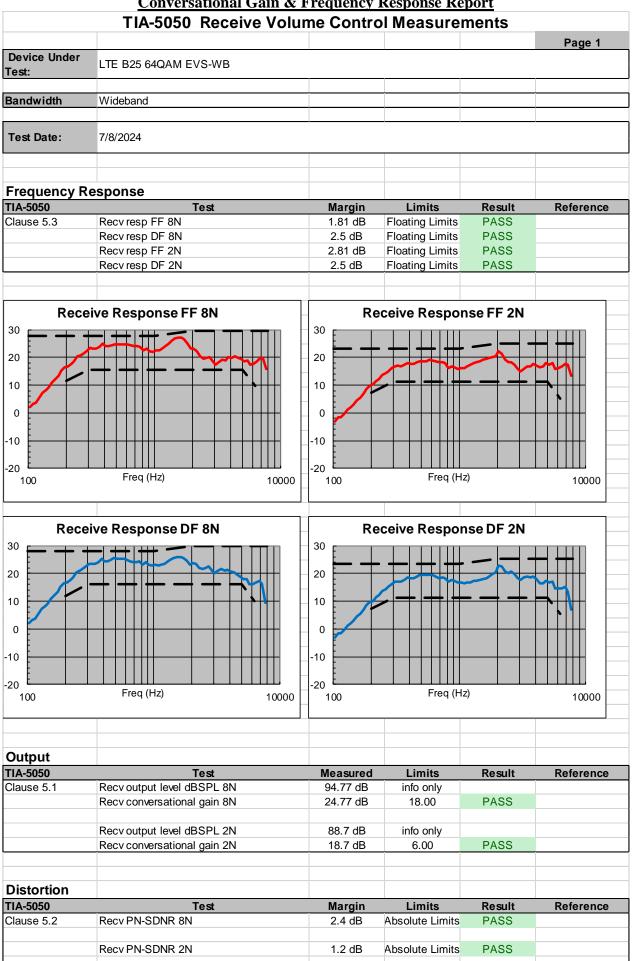
LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB 16QAM Conversational Gain & Frequency Response Report



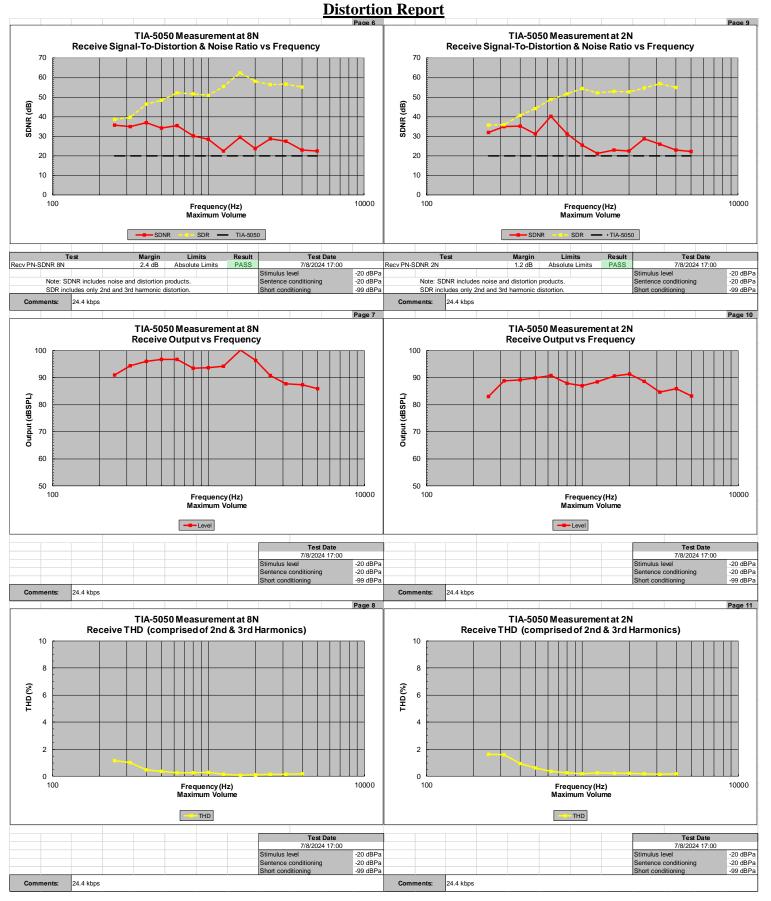
LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB 16QAM



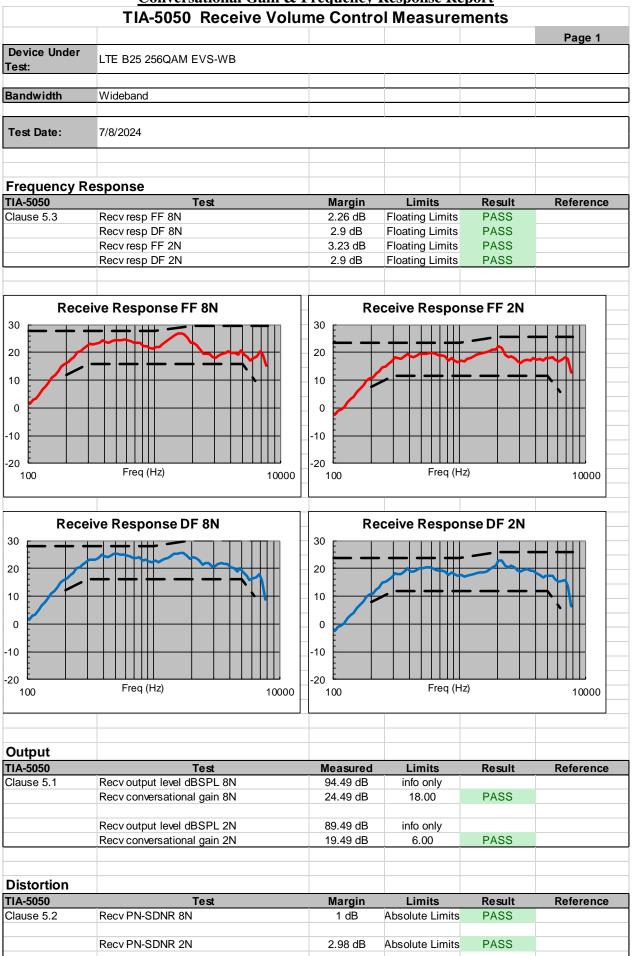
LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB 64QAM Conversational Gain & Frequency Response Report



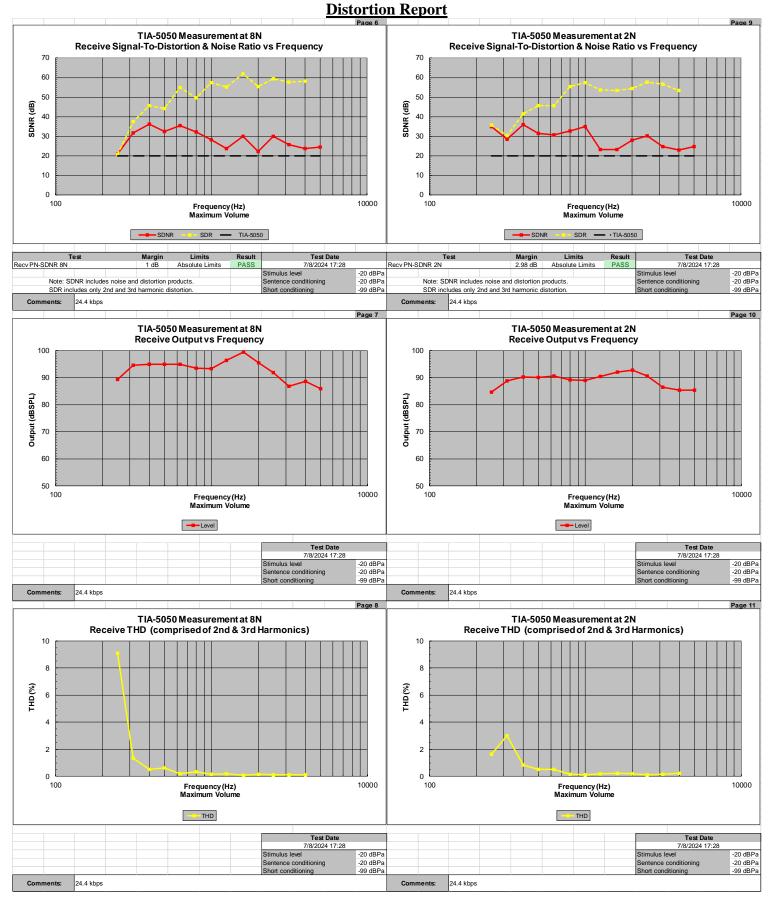
LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB 64QAM



LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB 256QAM Conversational Gain & Frequency Response Report



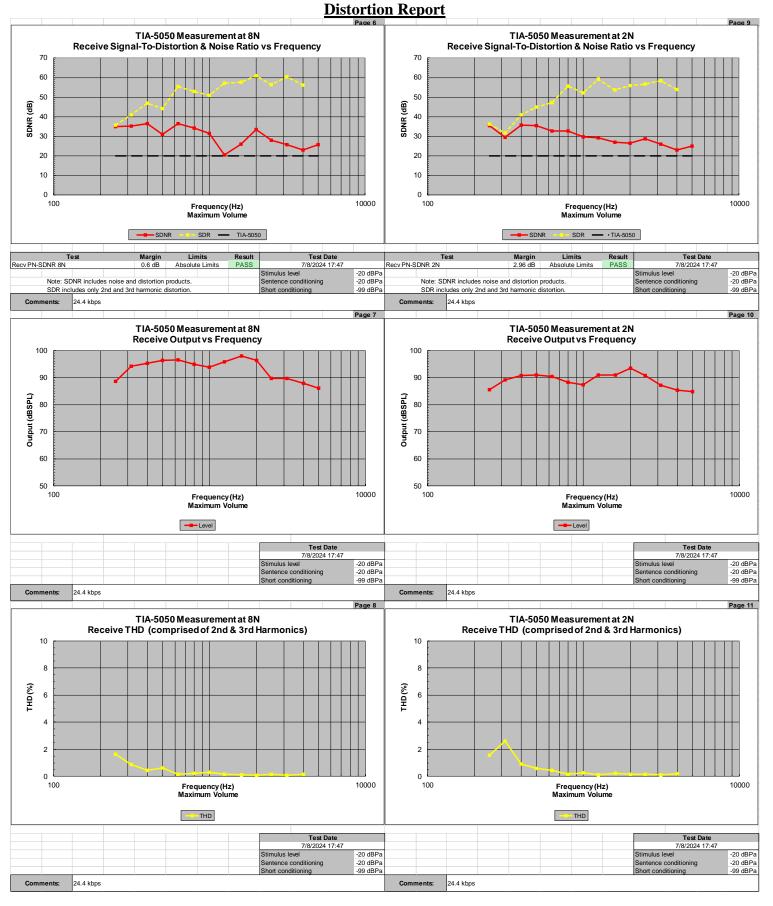
LTE Band 25 EVS-WB: 24.4 kbps 100,0 RB 256QAM



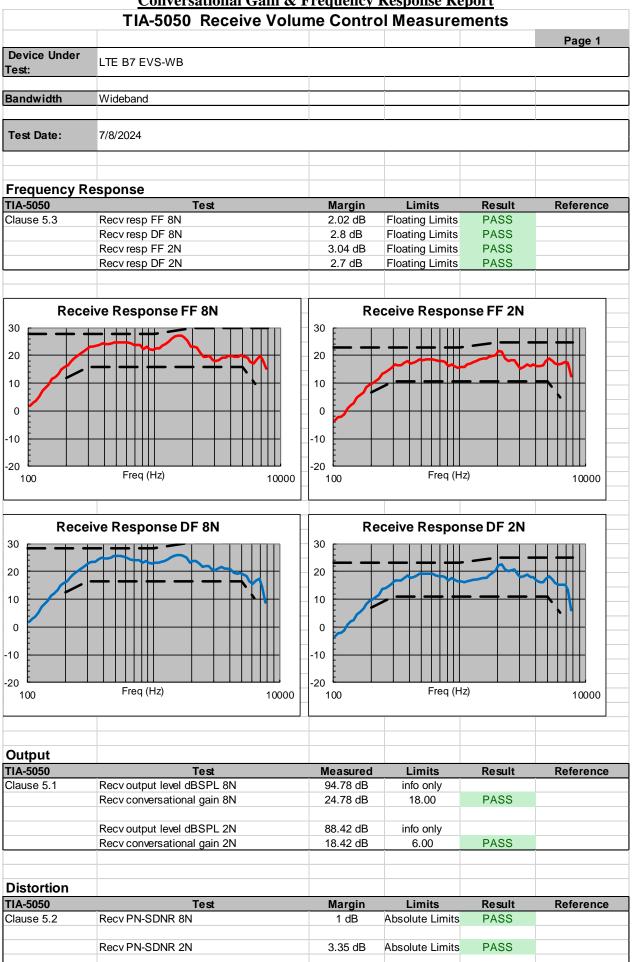
LTE Band 25 EVS-WB: 24.4 kbps 6,0 RB 256QAM 1.4 MHz <u>Conversational Gain & Frequency Response Report</u>

	Conversational Gain of				
	TIA-5050 Receive Vo	lume Contro	ol Measure	ments	
					Page 1
Device Under est:	LTE B25 1.4 MHz EVS-WB				
est:					1
Bandwidth	Wideband				
Test Date:	7/8/2024				
requency R	esponse				
TA-5050	Test	Margin	Limits	Result	Reference
lause 5.3	Recv resp FF 8N	2.25 dB	Floating Limits	PASS	
	Recvires DF 8N	3.1 dB	Floating Limits	PASS PASS	
	Recv resp FF 2N Recv resp DF 2N	3.25 dB 3 dB	Floating Limits Floating Limits	PASS	
	Recviesp DF ZN	3 UB	Floating Limits	PASS	
Rece	ive Response FF 8N	Re	ceive Respo	nse FF 2N	
30		30 F	-		
			╸┾┤┼┼		
20		20			
10		10			
0		0			
0		-10			
20	Freq (Hz) 1000	-20	Freq (H.	z)	10000
100	Freq (Hz) 1000	00 100	1104 (11	- /	10000
Rece	ive Response DF 8N	Re	ceive Respor	nse DF 2N	
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,			╸┿╸┤┿┤╫		
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10		10		 +	$\rightarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
0		0			
0		-10			
100	Freq (Hz) 1000	00 -20 100	Freq (H	z)	10000
Output					
TA-5050	Test	Measured	Limits	Result	Reference
lause 5.1	Recv output level dBSPL 8N	94.41 dB	info only		
	Recv conversational gain 8N	24.41 dB	18.00	PASS	
	D	20 /2 :=			
	Recv output level dBSPL 2N	89.46 dB	info only	D400	
	Recv conversational gain 2N	19.46 dB	6.00	PASS	
Distortion	_				
IA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	0.6 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	2.96 dB	Absolute Limits	PASS	
	IVECA L IA-ODIAIV SIA	2.90 UD	ADSOIDLE LITTIES	FASS	

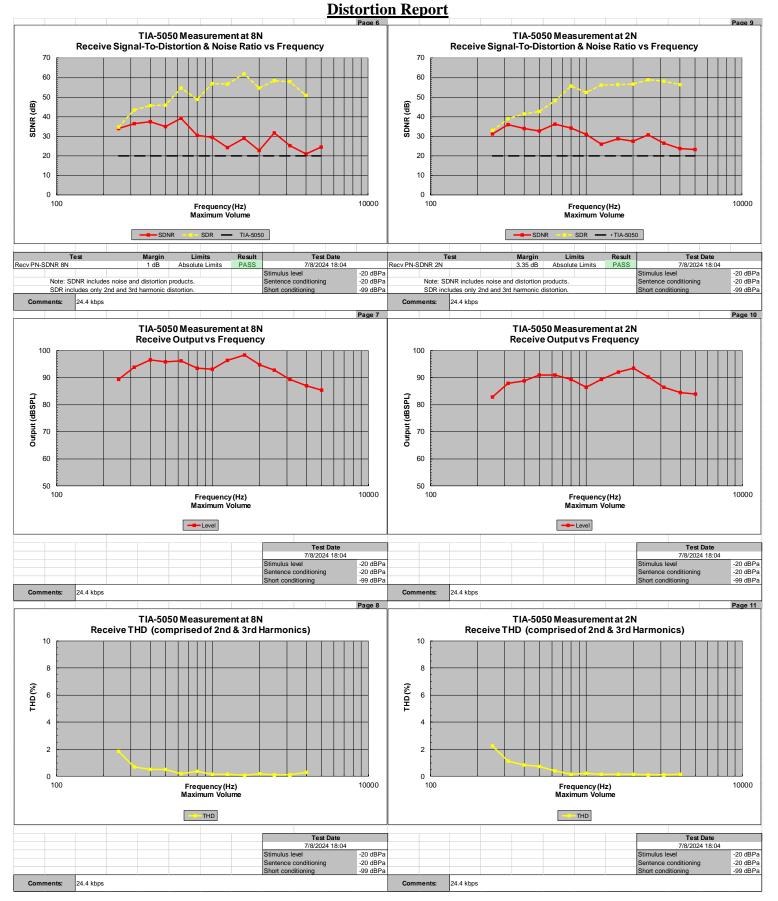
LTE Band 25 EVS-WB: 24.4 kbps 6,0 RB 256QAM 1.4 MHz



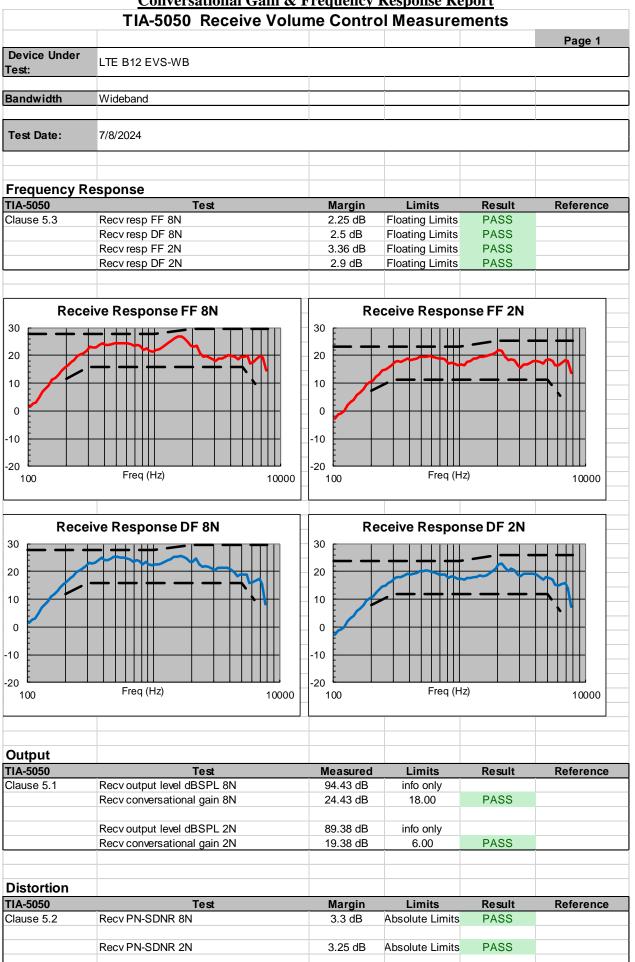
LTE Band 7 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz <u>Conversational Gain & Frequency Response Report</u>



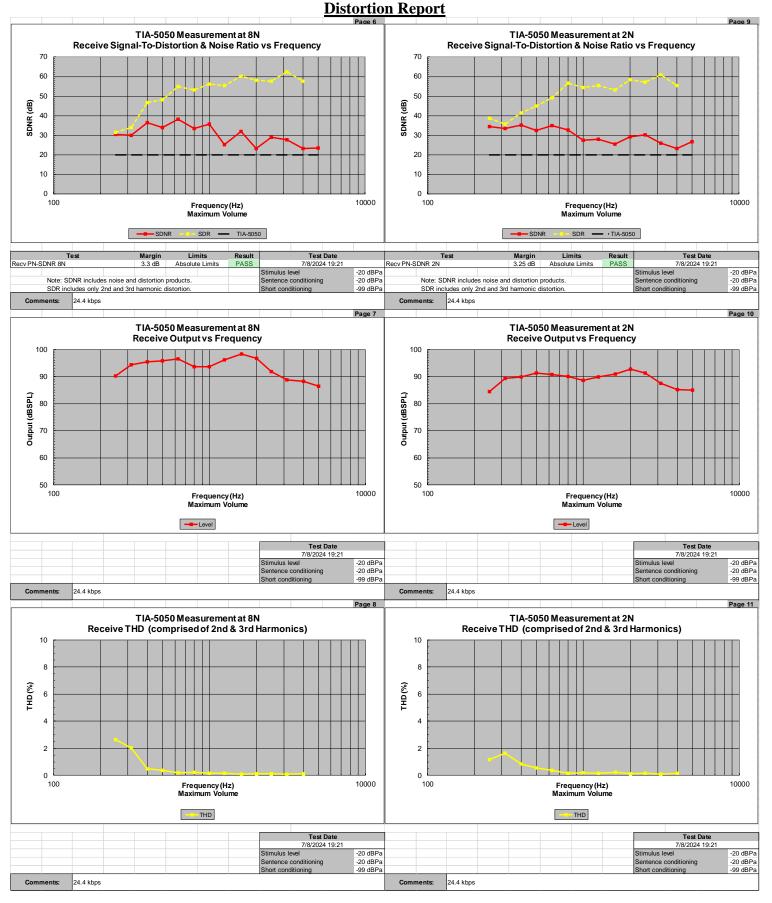
LTE Band 7 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz



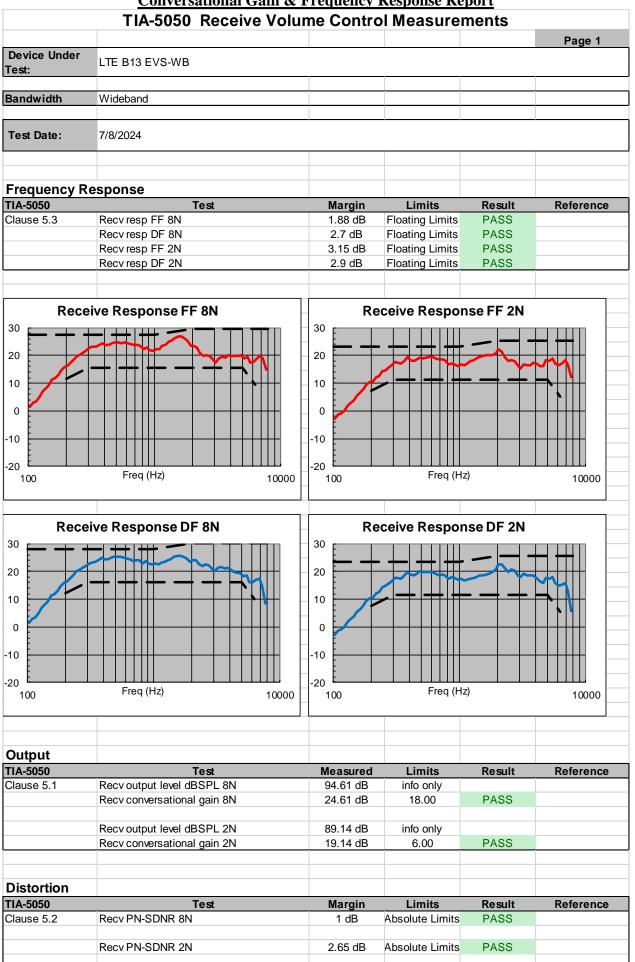
LTE Band 12 EVS-WB: 24.4 kbps 50,0 RB QPSK 10 MHz <u>Conversational Gain & Frequency Response Report</u>



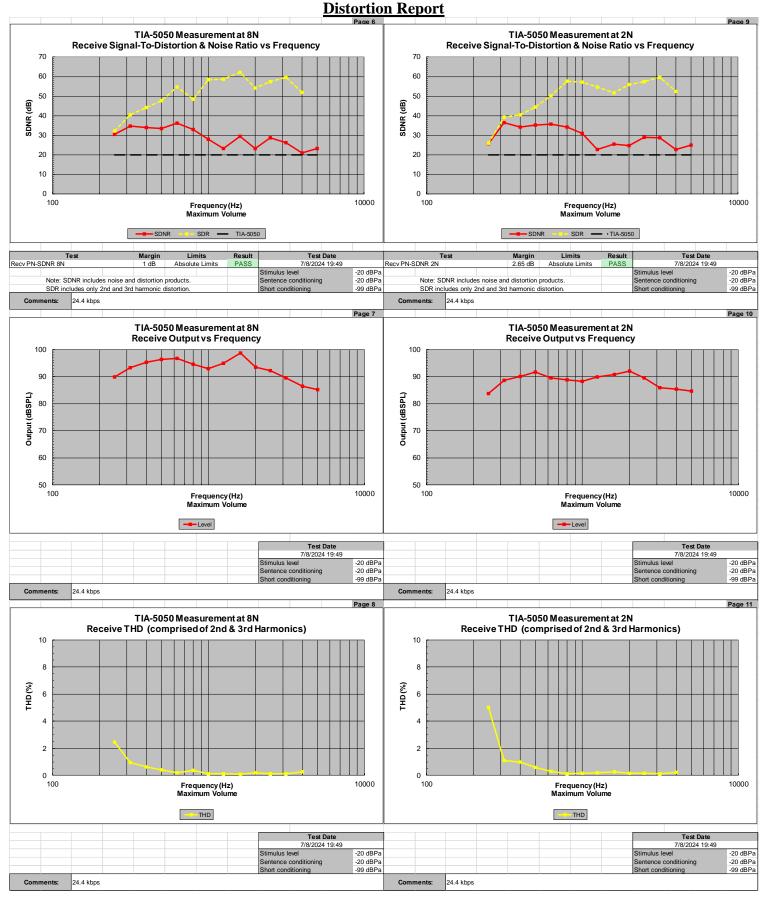
LTE Band 12 EVS-WB: 24.4 kbps 50,0 RB QPSK 10 MHz



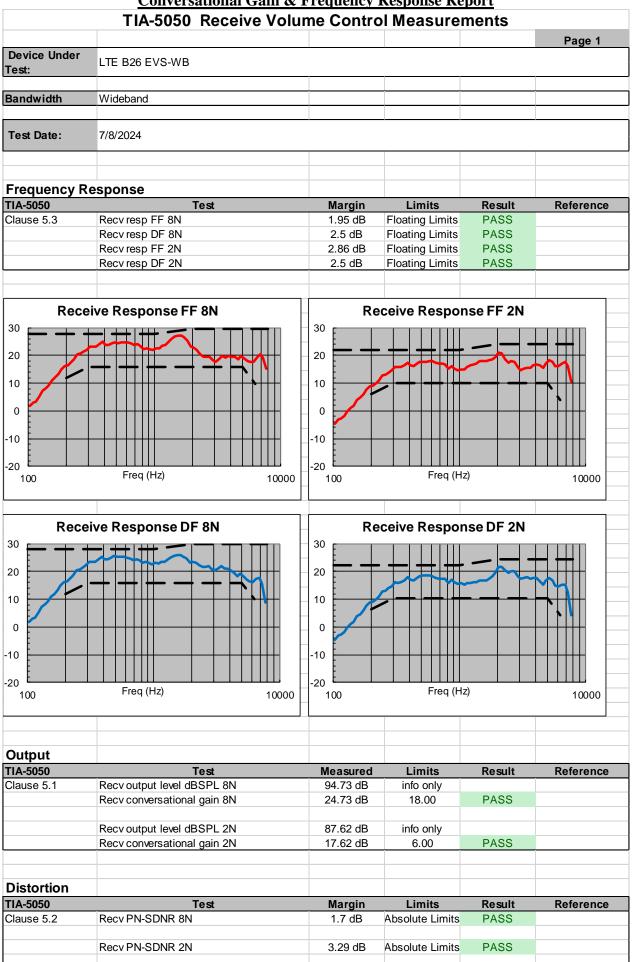
LTE Band 13 EVS-WB: 24.4 kbps 50,0 RB QPSK 10 MHz <u>Conversational Gain & Frequency Response Report</u>



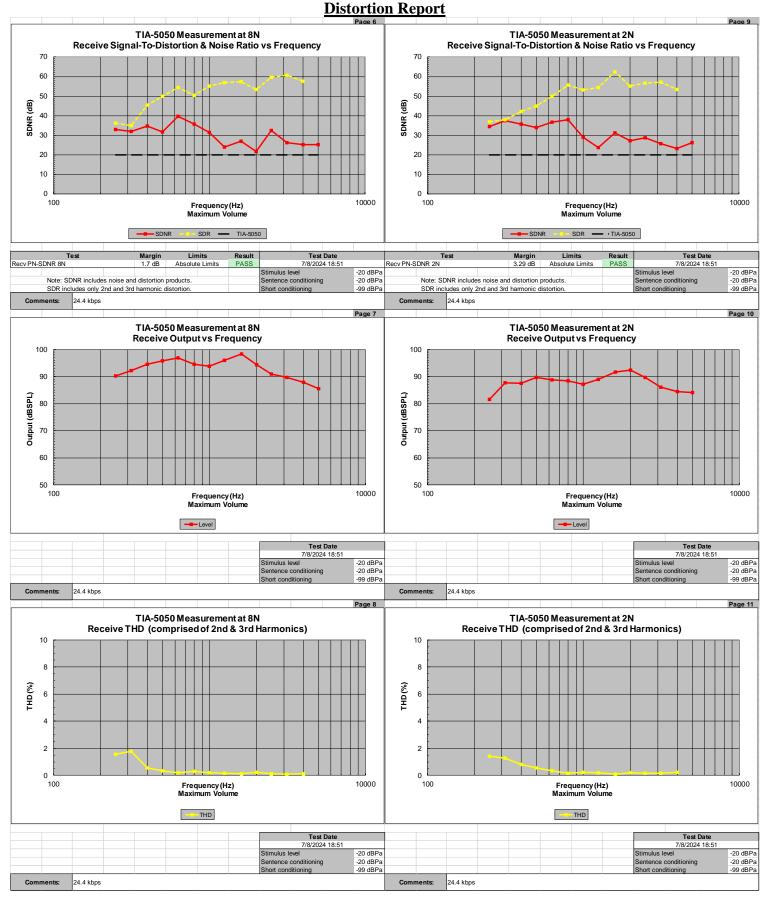
LTE Band 13 EVS-WB: 24.4 kbps 50,0 RB QPSK 10 MHz



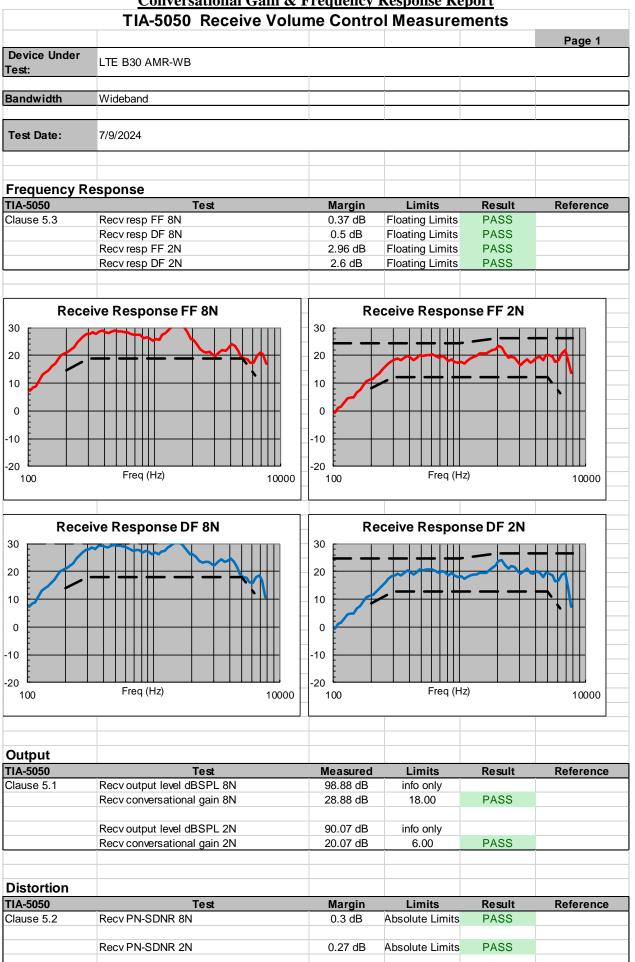
LTE Band 26 EVS-WB: 24.4 kbps 75,0 RB QPSK 15 MHz <u>Conversational Gain & Frequency Response Report</u>



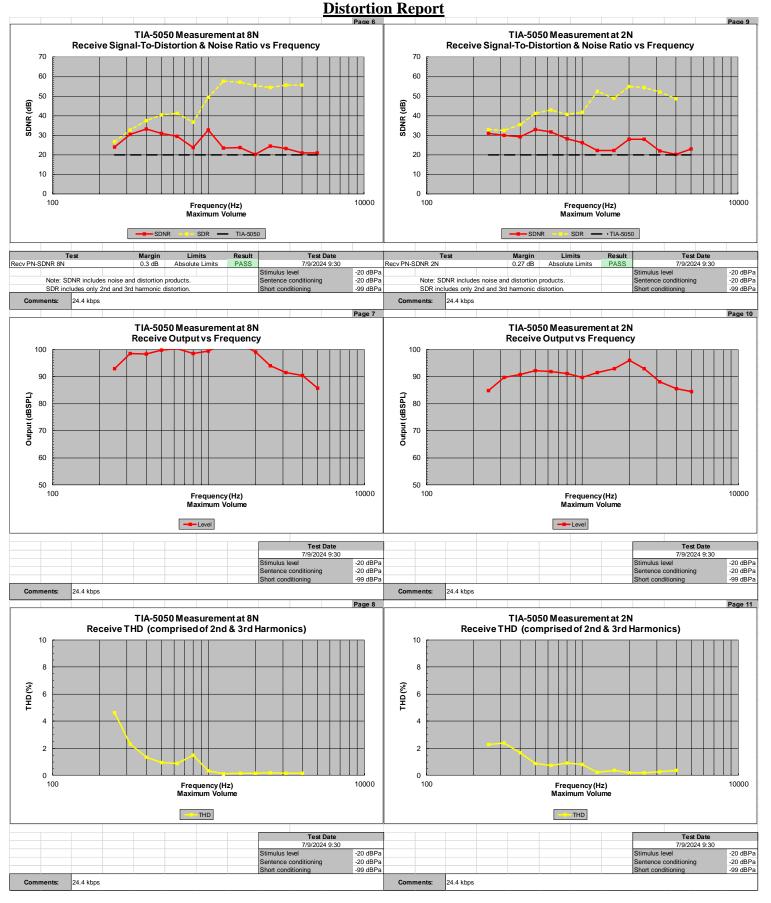
LTE Band 26 EVS-WB: 24.4 kbps 75,0 RB QPSK 15 MHz



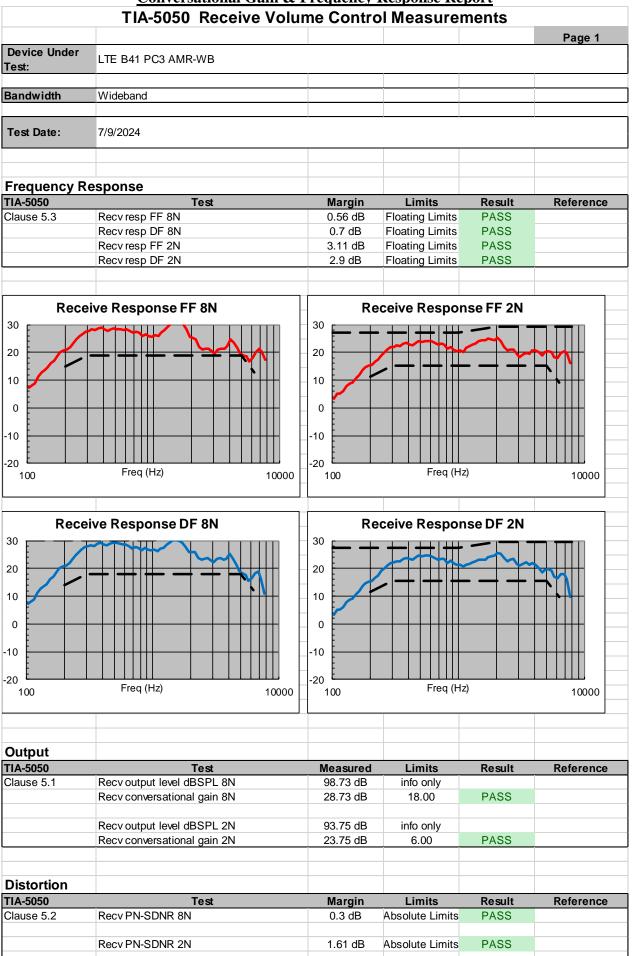
LTE Band 30 EVS-WB: 24.4 kbps 50,0 RB QPSK 10 MHz <u>Conversational Gain & Frequency Response Report</u>



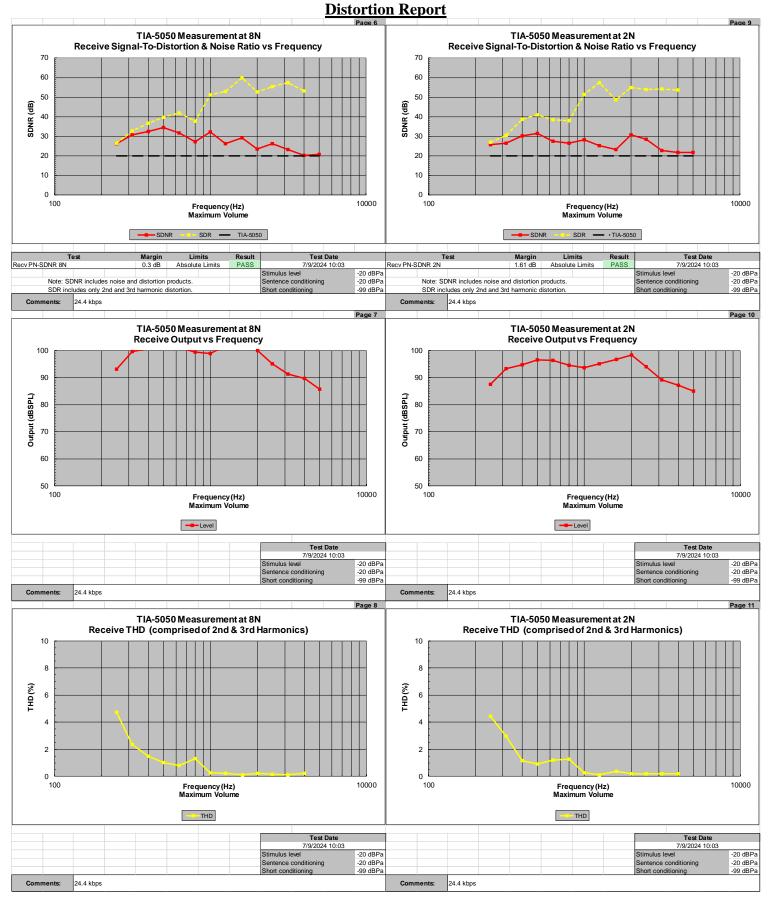
LTE Band 30 EVS-WB: 24.4 kbps 50,0 RB QPSK 10 MHz



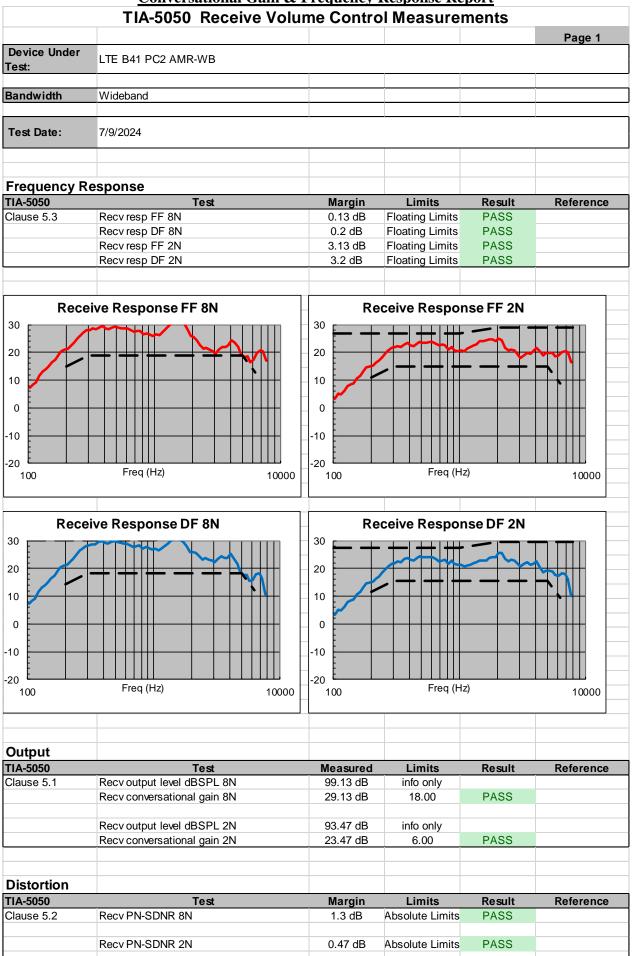
LTE Band 41 PC3 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz <u>Conversational Gain & Frequency Response Report</u>



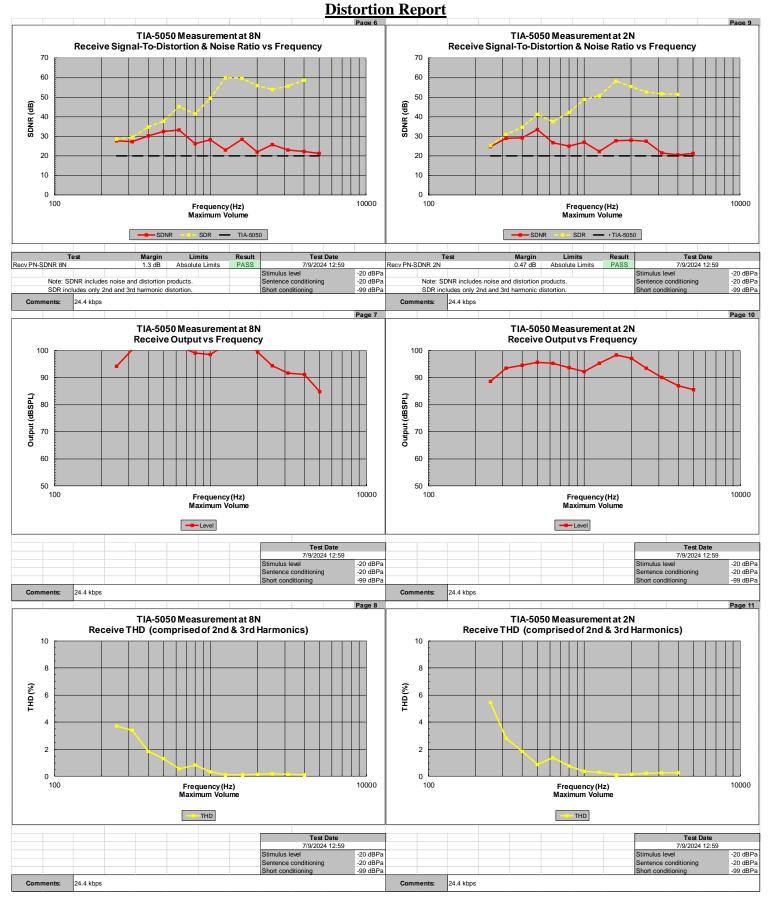
LTE Band 41 PC3 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz



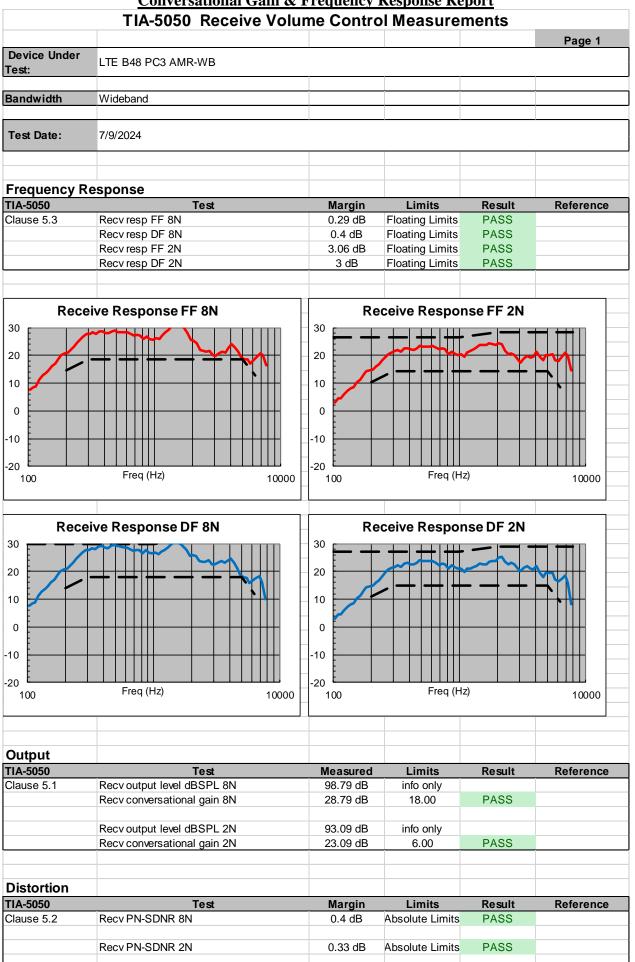
LTE Band 41 PC2 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz <u>Conversational Gain & Frequency Response Report</u>



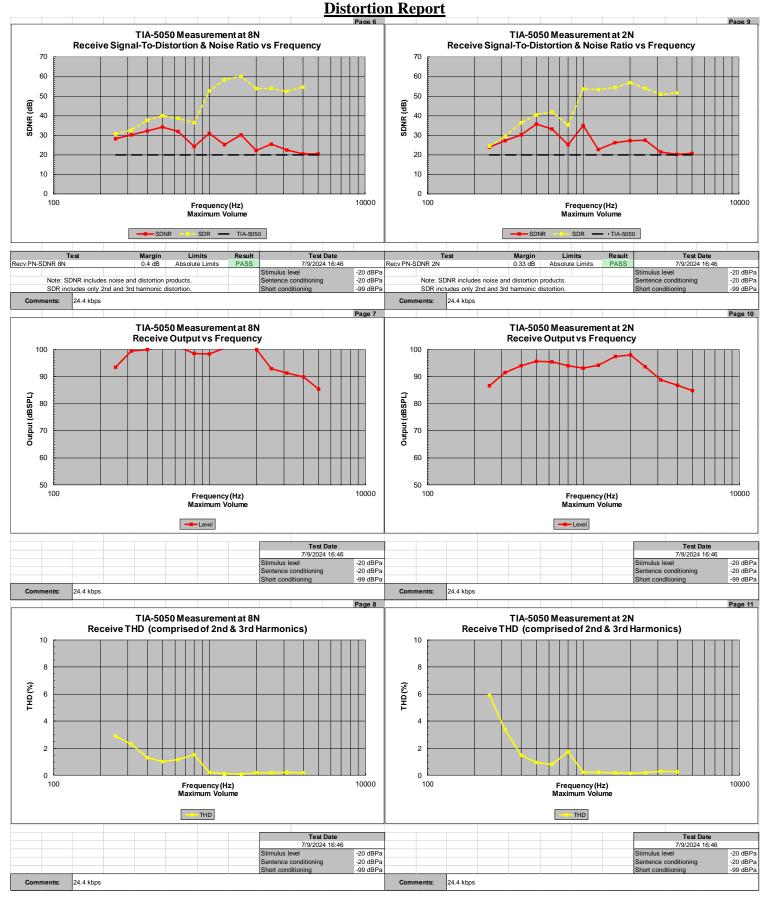
LTE Band 41 PC2 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz



LTE Band 48 PC3 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz <u>Conversational Gain & Frequency Response Report</u>



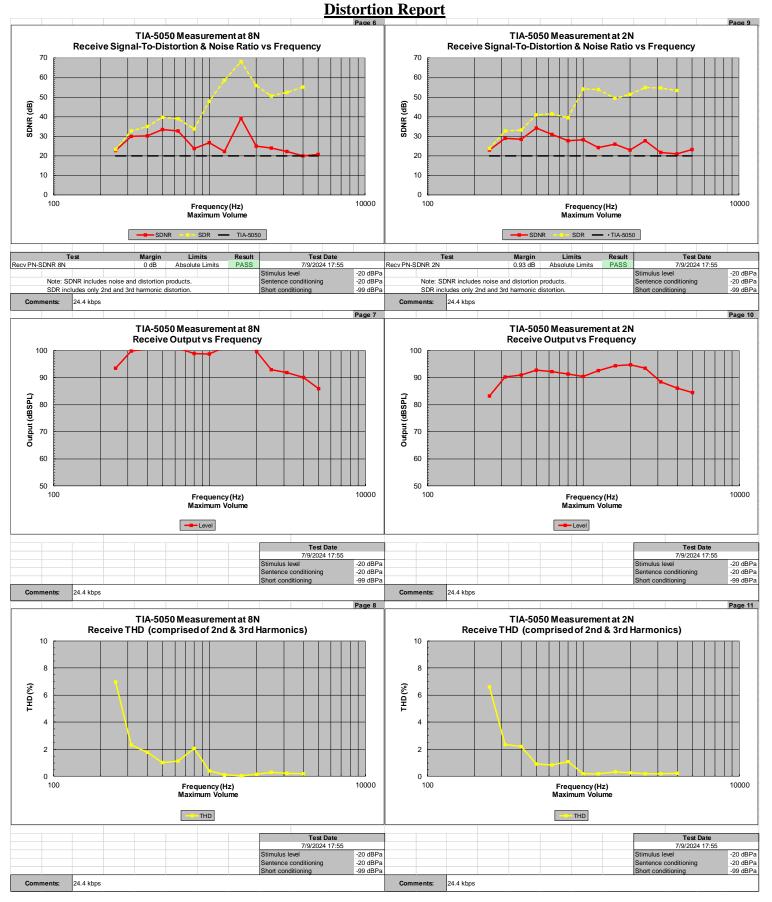
LTE Band 48 PC3 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz



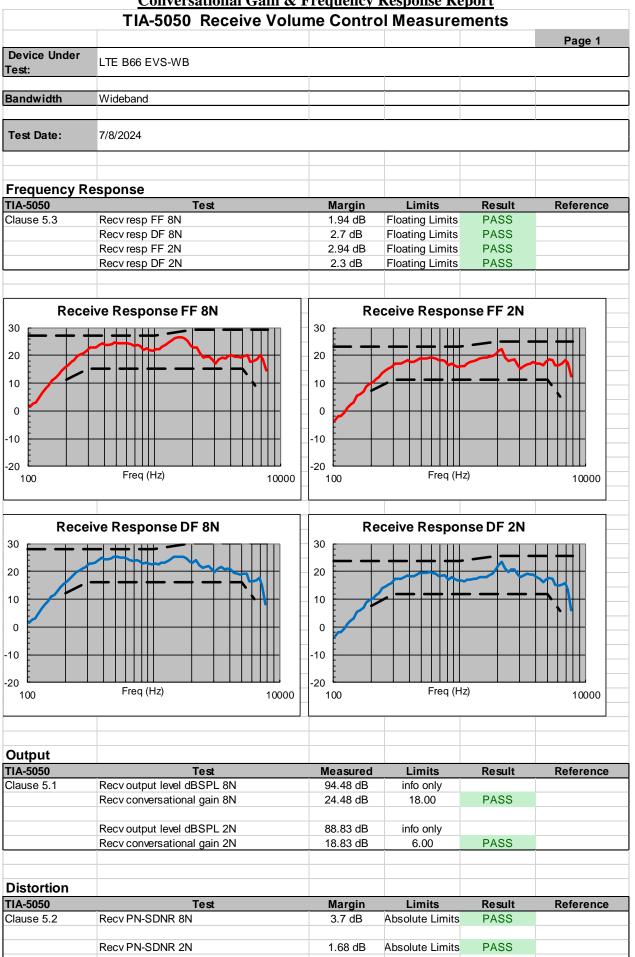
LTE Band 53 PC3 EVS-WB: 24.4 kbps 50,0 RB QPSK 10 MHz Conversational Gain & Frequency Response Report

TIA-5050 Receive Volume Control Measurements Page 1 **Device Under** LTE B53 PC3 AMR-WB Test: Bandwidth Wideband 7/9/2024 Test Date: **Frequency Response** TIA-5050 Margin Limits Result Reference Test Clause 5.3 Floating Limits **PASS** Recv resp FF 8N 0.4 dB Recv resp DF 8N 0.5 dB Floating Limits **PASS** Recv resp FF 2N 2.93 dB Floating Limits **PASS** Recv resp DF 2N 2.6 dB Floating Limits **PASS** Receive Response FF 8N Receive Response FF 2N 30 30 20 20 10 10 0 0 10 10 -20 20 Freq (Hz) Freq (Hz) 10000 100 100 10000 Receive Response DF 2N **Receive Response DF 8N** 30 30 20 20 10 10 0 0 -10 10 -20 -20 Freq (Hz) Freq (Hz) 100 100 10000 10000 Output TIA-5050 Test Limits Result Reference Measured Clause 5.1 Recvoutput level dBSPL 8N 98.7 dB info only Recv conversational gain 8N 28.7 dB 18.00 PASS Recvoutput level dBSPL 2N 90.46 dB info only **PASS** Recv conversational gain 2N 20.46 dB 6.00 **Distortion** TIA-5050 Test Margin Limits Result Reference Clause 5.2 Recv PN-SDNR 8N PASS 0 dB Absolute Limits **PASS** Recv PN-SDNR 2N 0.93 dB Absolute Limits

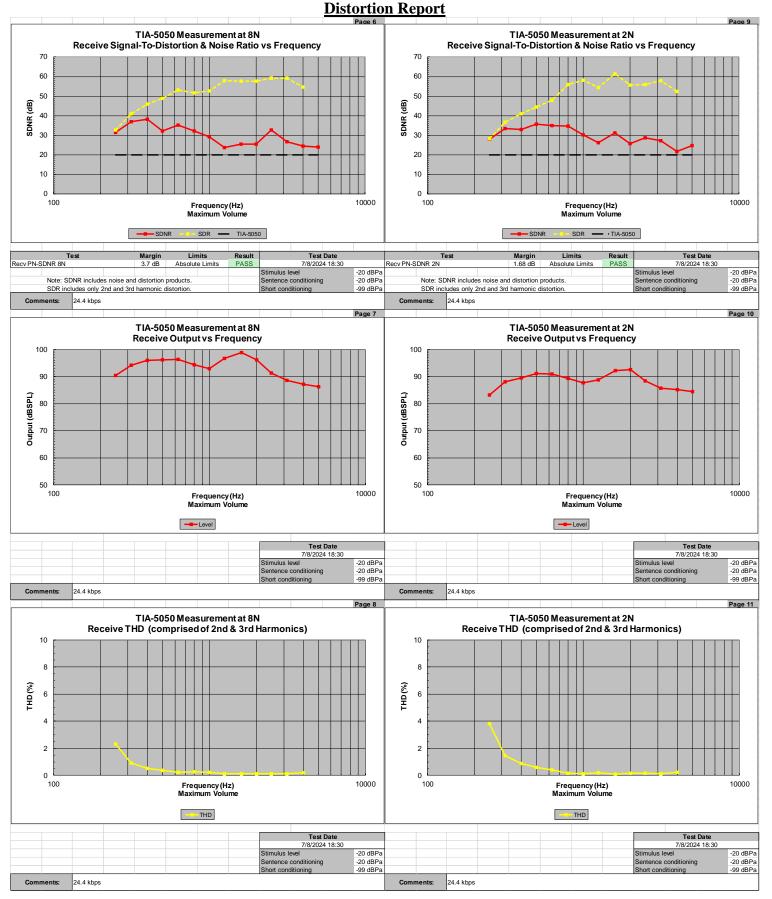
LTE Band 53 PC3 EVS-WB: 24.4 kbps 50,0 RB QPSK 10 MHz



LTE Band 66 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz Conversational Gain & Frequency Response Report



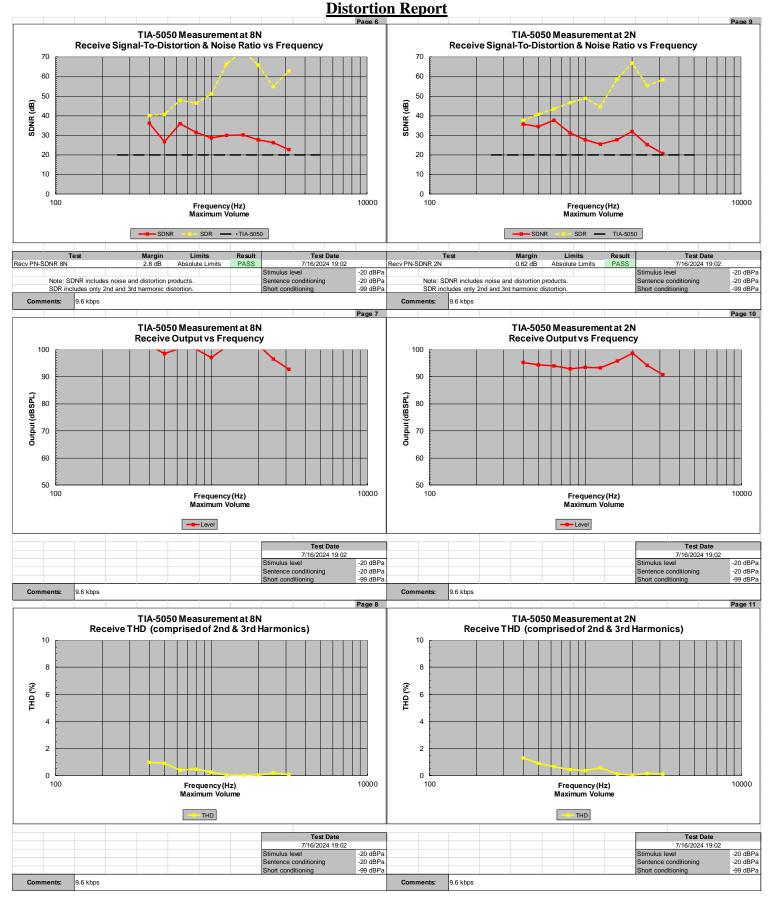
LTE Band 66 EVS-WB: 24.4 kbps 100,0 RB QPSK 20 MHz



NR n25 EVS-NB: 9.6 kbps Conversational Gain & Frequency Response Report

	Conversational Gain					
	TIA-5050 Receive V	olume	Contro	l Measure	ments	
Device Under						Page 1
Device Under Test:	n25 EVS-NB					
Bandwidth	Narrowband					
Test Date:	7/16/2024					
Frequency R	acnonca					
гтециенсу к ГІА-5050	Test		Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N		1.78 dB	Floating Limits	PASS	Reference
	Recv resp DF 8N		3.7 dB	Floating Limits	PASS	
	Recv resp FF 2N		2.43 dB	Floating Limits	PASS	
	Recv resp DF 2N		2.54 dB	Floating Limits	PASS	
Door	ive Decrease FF ON		Receive Response FF 2N			
30	eive Response FF 8N	3		ceive Respoi	IISE FF ZIN	
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		I H				
10		1º	0			
		I H				
0		1 H '				
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10		1 H-1'	⁰			
20						
100	Freq (Hz) 10	0000	100	Freq (H	z)	10000
Rece	eive Response DF 8N		Re	ceive Respoi	nse DF 2N	
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10		1				
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10		10	0			
20	Freq (Hz)	-2		Freq (H		40000
100	10	000	100	1104 (11	- ,	10000
Output						
ΓΙΑ-5050	Test		Measured	Limits	Result	Reference
Clause 5.1	Recv output level dBSPL 8N		99.18 dB	info only	DACC	
	Recv conversational gain 8N		29.18 dB	18.00	PASS	
	Recv output level dBSPL 2N		92.32 dB	info only		
	Recv conversational gain 2N		22.32 dB	6.00	PASS	
Distortion						
ΓΙΑ-5050	Test	,	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N		2.8 dB	Absolute Limits	PASS	
	D. D. D. D. C.		·-		5463	
	Recv PN-SDNR 2N		0.62 dB	Absolute Limits	PASS	

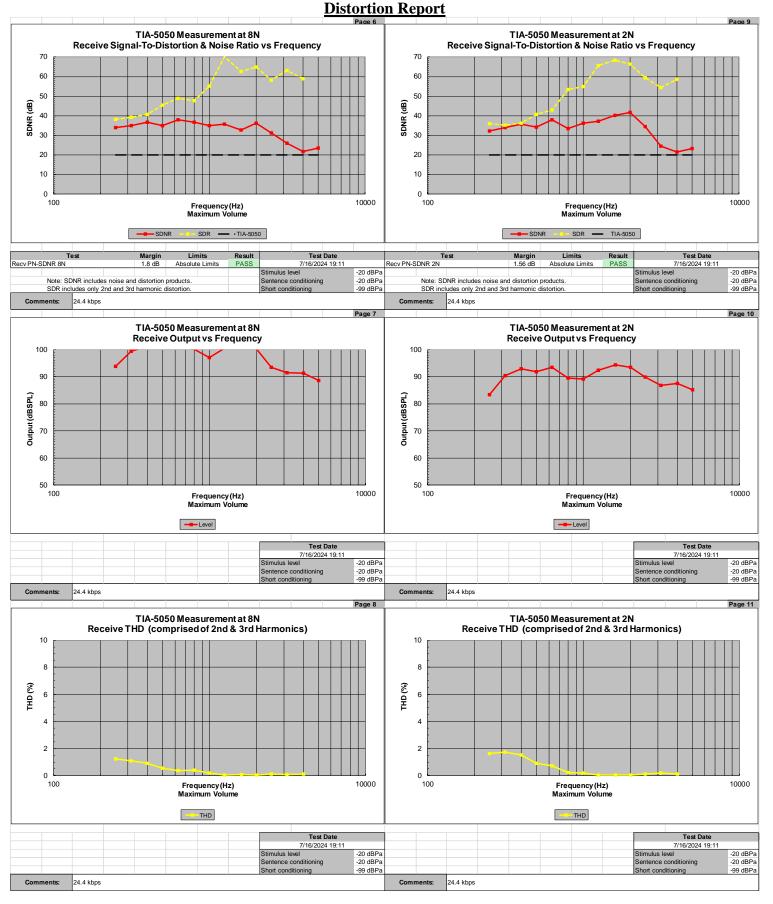
NR n25 EVS-NB: 9.6 kbps



NR n25 EVS-WB: 24.4 kbps Conversational Gain & Frequency Response Repor

	Conversational Gain & TIA-5050 Receive Vol				
	TIA 3030 RECEIVE VOI		n wcasarc		Dama 4
Device Under est:	n25 EVS-WB				Page 1
andwidth	Wideband				
Test Date:	7/16/2024				
rest bate.	1710/2024				
requency R	esponse				
IA-5050	Test	Margin	Limits	Result	Reference
lause 5.3	Recv resp FF 8N	1.31 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.4 dB	Floating Limits	PASS	
	Recv resp FF 2N	2.99 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.6 dB	Floating Limits	PASS	
Rece	ive Response FF 8N	Re	ceive Respo	nse FF 2N	
30 F		30 F			
			· ├		
20		20			
0		10			
<u></u>					
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o		-10			
.0		-20			
100	Freq (Hz) 10000		Freq (H	z)	10000
Rece	ive Response DF 8N	Re	ceive Respo	nse DF 2N	
⁸⁰ F		30 F	·		
10		20			MUII
0		10	<u> </u>	 +	$+$ \square \square
· -		10			
0		0			
0		-10			
_					
_o		-20			
100	Freq (Hz) 10000		Freq (H	z)	10000
Output					
IA-5050	Test	Measured	Limits	Result	Reference
lause 5.1	Recv output level dBSPL 8N	99.09 dB	info only		
	Recv conversational gain 8N	29.09 dB	18.00	PASS	
	Recv output level dBSPL 2N	90.51 dB	info only		
	Recv conversational gain 2N	20.51 dB	6.00	PASS	
	3 3 3		2.00		
Distortion					
IA-5050	Test	Margin	Limits	Result	Reference
lause 5.2	Recv PN-SDNR 8N	1.8 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	1.56 dB	Absolute Limits	PASS	

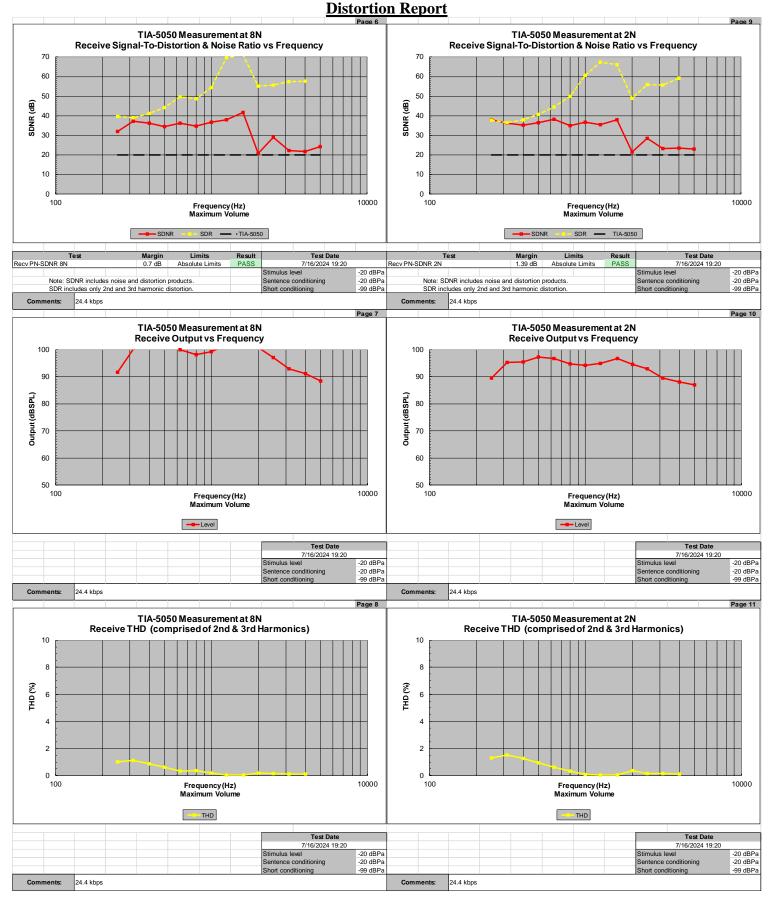
NR n25 EVS-WB: 24.4 kbps



NR n7 EVS-WB: 24.4 kbps Conversational Gain & Frequency Response Repor

	TIA-5050 Receive		Response Re		
	TIA-3030 Receive	Volume Comme	Ji Wicasui e	IIICIIIS	
Device Under est:	n7 EVS-WB				Page 1
andwidth	Wideband				
Test Date:	7/16/2024				
Frequency R	esponse				
TA-5050	Test	Margin	Limits	Result	Reference
lause 5.3	Recv resp FF 8N	1.03 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.3 dB	Floating Limits	PASS	
	Recv resp FF 2N	3.08 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.6 dB	Floating Limits	PASS	
D	ive Deepered FF ON	D.	aniva Danna	FF 2N	
Rece	eive Response FF 8N	30 Re	eceive Respo	nse FF ZN	
20		20			
10					
10		10			
0					
0		10			
°					
.0		∐∐ ₋₂₀			
100	Freq (Hz)	10000 100	Freq (H	z)	10000
Rece	ive Response DF 8N	Re	ceive Respo	nse DF 2N	
30		30			
20		20			
0		## H º E			
-		-10			
0					
0	Freq (Hz)	10000 -20	Freq (H	z)	10000
100	Freq (Hz)	-20	Freq (H	z)	10000
100 Dutput		10000 -20 100			
0 100 100 Dutput	Freq (Hz) Test Recv output level dBSPL 8N	-20	Freq (H	z) Result	10000 Reference
0 100 100 Dutput	Test	10000 -20 100 Measured	Limits		
0 100 100 Dutput	Test Recv output level dBSPL 8N Recv conversational gain 8N	10000 100 100 Measured 99.33 dB 29.33 dB	Limits info only 18.00	Result	
10	Test Recv output level dBSPL 8N	10000 -20 100 100 Measured 99.33 dB	Limits info only	Result	
0 100 100 Dutput	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N	-20 1000 100 Measured 99.33 dB 29.33 dB 94.3 dB	Limits info only 18.00 info only	Result PASS	
Dutput TIA-5050 Clause 5.1	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N	-20 10000 1000 Measured 99.33 dB 29.33 dB 29.33 dB 24.3 dB	Limits info only 18.00 info only 6.00	Result PASS PASS	Reference
Dutput (IA-5050 Clause 5.1	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N Test	-20 1000 100 100 100 100 100 100 100 100	Limits info only 18.00 info only 6.00	Result PASS PASS	
Output IA-5050 Clause 5.1 Distortion IA-5050	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N	-20 10000 1000 Measured 99.33 dB 29.33 dB 29.33 dB 24.3 dB	Limits info only 18.00 info only 6.00	Result PASS PASS	Reference
100 100 Dutput	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N Test	-20 1000 100 100 100 100 100 100 100 100	Limits info only 18.00 info only 6.00	Result PASS PASS	Reference

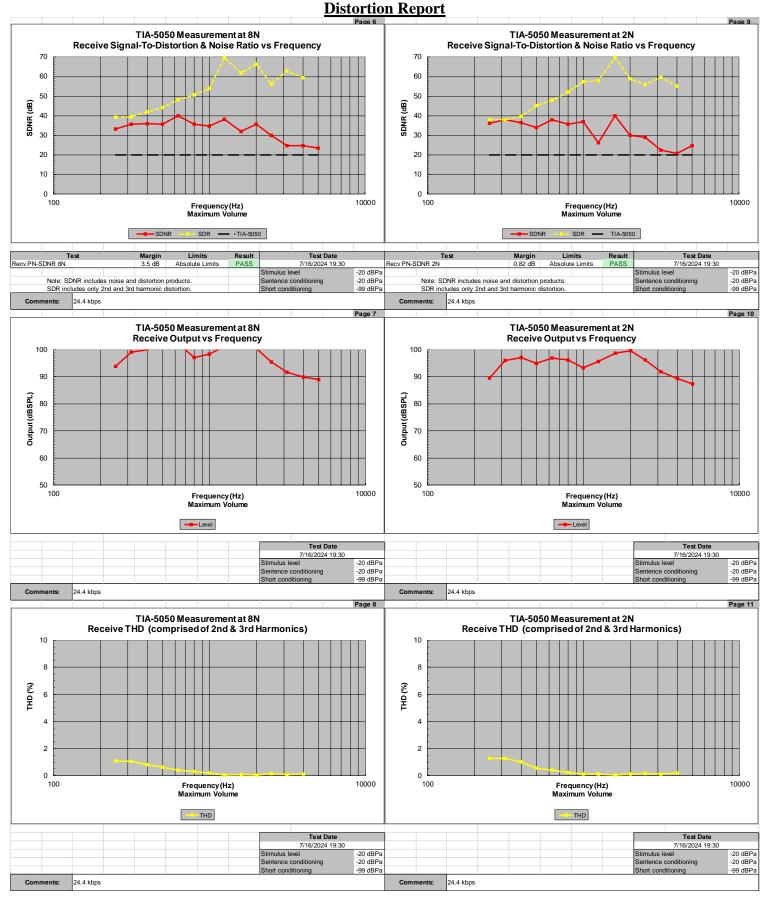
NR n7 EVS-WB: 24.4 kbps



NR n12 EVS-WB: 24.4 kbps Conversational Gain & Frequency Response Repo

	Conversational Gain				
	TIA-5050 Receive Vo	olume Contro	oi measure	ments	
Device Under est:	n12 EVS-WB				Page 1
andwidth	Wideband				
Test Date:	7/16/2024				
requency R	-				
IA-5050 lause 5.3	Test Recv resp FF 8N	Margin	Limits	Result PASS	Reference
lause 5.3	Recviespir on RecviespiDF 8N	1.29 dB 1.4 dB	Floating Limits Floating Limits	PASS	
	Recviesp br on Recviesp FF 2N	2.93 dB	Floating Limits	PASS	
	Recviespii 2N Recviesp DF 2N	2.5 dB	Floating Limits	PASS	
	Necviesp Di Ziv	2.5 ub	r loating Limits	FAGG	
Rece	ive Response FF 8N	Re	ceive Respo	nse FF 2N	
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Rece	ive Response DF 8N	Re	ceive Respo	nse DF 2N	
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0 0 0	ive Response DF 8N	30 20	ceive Respon	nse DF 2N	
	ive Response DF 8N	30 20 10 0	ceive Respon	nse DF 2N	
	ive Response DF 8N Freq (Hz) 1000	30 20 10 0 -10	ceive Respon		10000
		30 20 10 0 -10			10000
o o o o o o o o o o o o o o o o o o o	Freq (Hz) 1000	30 20 10 0 -10 -20 100	Freq (H	z)	
0 0 0 100	Freq (Hz) 1000	30 20 10 0 -10	Freq (H		10000 Reference
0 0 0 100	Freq (Hz) 1000	30 20 10 -10 -20 100 Measured	Freq (H	z)	
0 0 0 100	Freq (Hz) 1000 Test Recv output level dBSPL 8N Recv conversational gain 8N	30 20 10 -10 -20 100 Measured 99.28 dB 29.28 dB	Freq (H	z)	
	Freq (Hz) 1000 Test Recv output level dBSPL 8N	30 20 10 -10 -20 100 Measured 99.28 dB	Freq (H	z)	
0 0 0 100	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N	30 20 10 -10 -20 100 Measured 99.28 dB 29.28 dB 29.28 dB	Freq (H	z) Result PASS	
Output IA-5050 lause 5.1	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N	30 20 10 -10 -20 100 Measured 99.28 dB 29.28 dB 29.28 dB	Freq (H Limits info only 18.00 info only 6.00	Result PASS PASS	
0 0 0 0 100 0 100 0 100 0 100 0 100 0 100	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N	30 20 10 -10 -20 100 -10 -20 100 -20 100 -20 -20 -20 -20 -20 -20 -20 -20 -20 -	Limits info only 18.00 info only 6.00	Result PASS PASS	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Freq (Hz) 1000 Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N	30 20 10 -10 -20 100 -10 -20 100 -20 100 -20 -20 -20 -20 -20 -20 -20 -20 -20 -	Freq (H Limits info only 18.00 info only 6.00	Result PASS PASS	Reference
Output IA-5050 lause 5.1	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv conversational gain 2N Test	30 20 10 -10 -20 100 -10 -20 100 -20 100 -20 -20 -20 -20 -20 -20 -20 -20 -20 -	Limits info only 18.00 info only 6.00	Result PASS PASS	Reference

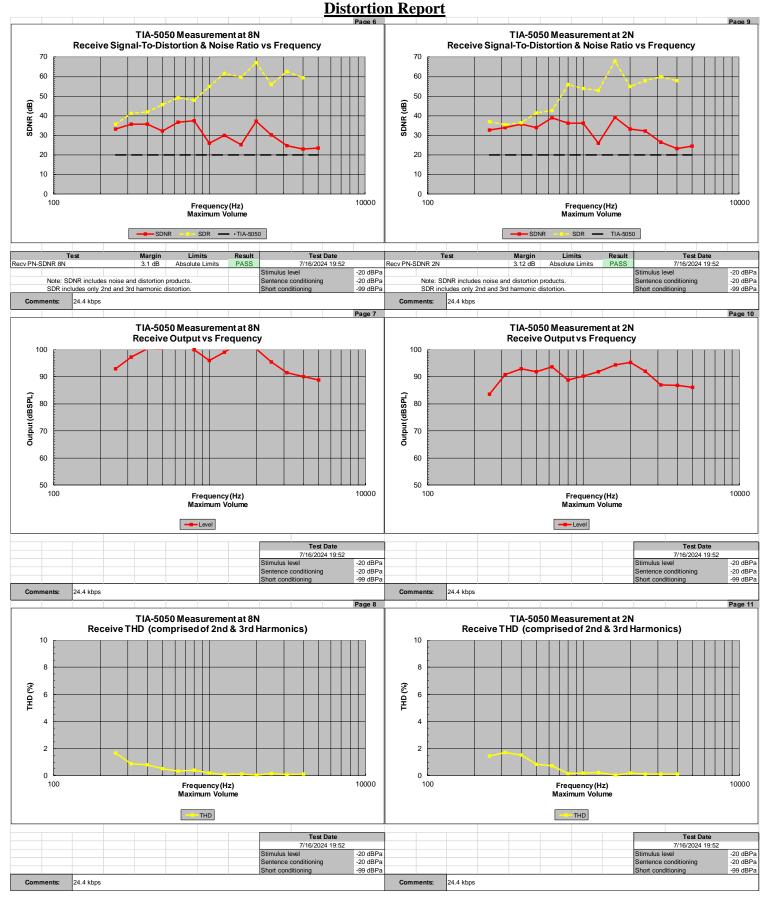
NR n12 EVS-WB: 24.4 kbps



NR n41 PC3 EVS-WB: 24.4 kbps Conversational Gain & Frequency Response Report

	Conversational Gain &				
	TIA-5050 Receive Vol	ume Contro	o Measure	ments	
Device Under Test:	n41 PC3 EVS-WB				Page 1
Bandwidth	Wideband				
Test Date:	7/16/2024				
Frequency R	esponse				
ΓΙΑ-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.37 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.5 dB	Floating Limits	PASS	
	Recv resp FF 2N	3.19 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.9 dB	Floating Limits	PASS	
Rece	ive Response FF 8N	Re	ceive Respoi	nse FF 2N	
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Rece	ive Response DF 8N	Re	ceive Respo	nse DF 2N	
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10		-10			
20 [Freq (Hz)	-20	Freq (H	z)	10000
100	Freq (Hz) 10000	100	1104 (11		10000
Output					
TIA-5050 Clause 5.1	Recv output level dBSPL 8N	Measured 98.86 dB	Limits info only	Result	Reference
Jiduse J. I	Recv conversational gain 8N	28.86 dB	18.00	PASS	
	1.00 v conversational gain orv	20.00 UD	10.00	1 700	
	Recv output level dBSPL 2N	90.68 dB	info only		
	Recv conversational gain 2N	20.68 dB	6.00	PASS	
	1.00 v oonvoidational gain ZIV	20.00 00	0.00	1 700	
Distortion					
ΓIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.2	Recv PN-SDNR 8N	3.1 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	3.12 dB	Absolute Limits	PASS	
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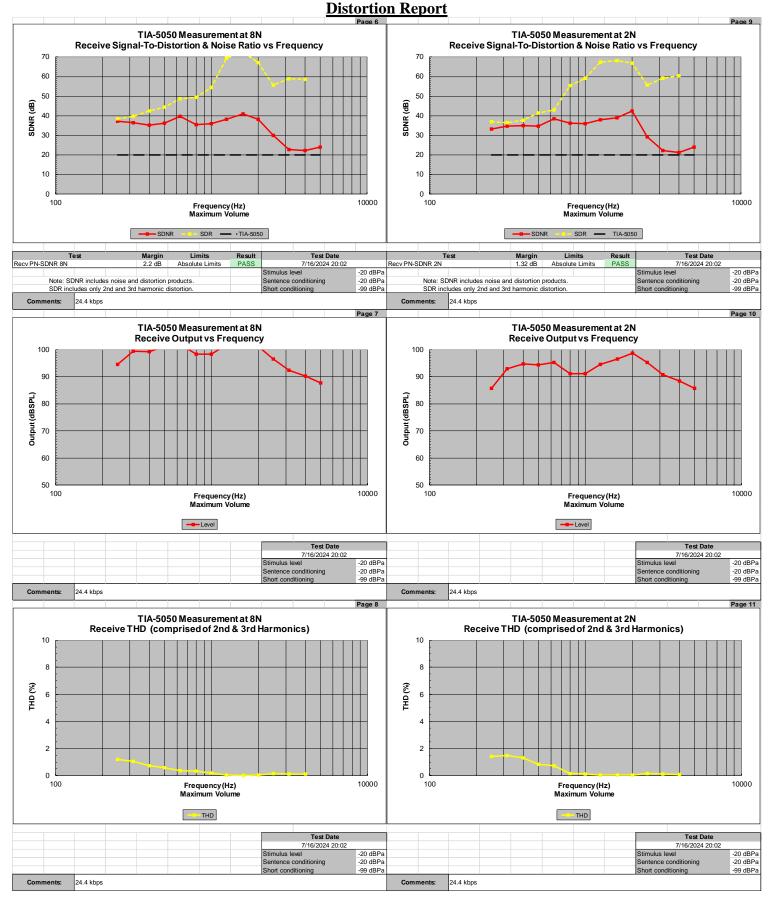
NR n41 PC3 EVS-WB: 24.4 kbps



NR n41 PC2 EVS-WB: 24.4 kbps Conversational Gain & Frequency Response Report

	TIA FOEO Deceive Vol		Response Re		
	TIA-5050 Receive Vol	ume Contro	n weasure	ments	
Device Under Test:	n41 PC2 EVS-WB				Page 1
Bandwidth	Wideband				
Test Date:	7/16/2024				J
requency R					
TA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recv resp FF 8N	1.3 dB	Floating Limits	PASS	
	Recv resp DF 8N	1.3 dB	Floating Limits	PASS	
	Recv resp FF 2N	3.21 dB	Floating Limits	PASS	
	Recv resp DF 2N	2.7 dB	Floating Limits	PASS	
Rece	ive Response FF 8N	Re	ceive Respo	nse FF 2N	
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Rece	ive Response DF 8N	Re	ceive Respo	nse DF 2N	
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100 100 100		10 0 -10 -20			
100 100 100 100	Test	10 0 -10 -20 100	Limits	z)	10000 Reference
100 100 100 100	Test Recv output level dBSPL 8N	10 0 -10 100 Measured 99.06 dB	Limits info only	Result	
100 100 100 100	Test	10 0 -10 -20 100	Limits		
100 100 100 100	Test Recv output level dBSPL 8N Recv conversational gain 8N	10 0 -10 100 Measured 99.06 dB 29.06 dB	Limits info only 18.00	Result	
0 0 0 100 Dutput	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N	10 0 -10 100 Measured 99.06 dB 29.06 dB 29.06 dB	Limits info only 18.00 info only	Result PASS	
100 100 100 100	Test Recv output level dBSPL 8N Recv conversational gain 8N	10 0 -10 100 Measured 99.06 dB 29.06 dB	Limits info only 18.00	Result	
0 0 0 100 Dutput IA-5050 Slause 5.1	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N	10 0 -10 100 Measured 99.06 dB 29.06 dB 29.06 dB	Limits info only 18.00 info only	Result PASS	
Dutput TA-5050 Clause 5.1	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N	10 0 -10 -20 100 Measured 99.06 dB 29.06 dB 29.06 dB 92.84 dB 22.84 dB	Limits info only 18.00 info only 6.00	Result PASS PASS	Reference
Dutput (IA-5050 Clause 5.1	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N Test	10 0 -10 -20 100 Measured 99.06 dB 29.06 dB 29.06 dB 22.84 dB	Limits info only 18.00 info only 6.00	Result PASS PASS	
Dutput (IA-5050 Clause 5.1	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N	10 0 -10 -20 100 Measured 99.06 dB 29.06 dB 29.06 dB 92.84 dB 22.84 dB	Limits info only 18.00 info only 6.00	Result PASS PASS	Reference
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Test Recv output level dBSPL 8N Recv conversational gain 8N Recv output level dBSPL 2N Recv conversational gain 2N Test	10 0 -10 -20 100 Measured 99.06 dB 29.06 dB 29.06 dB 22.84 dB	Limits info only 18.00 info only 6.00	Result PASS PASS	Reference

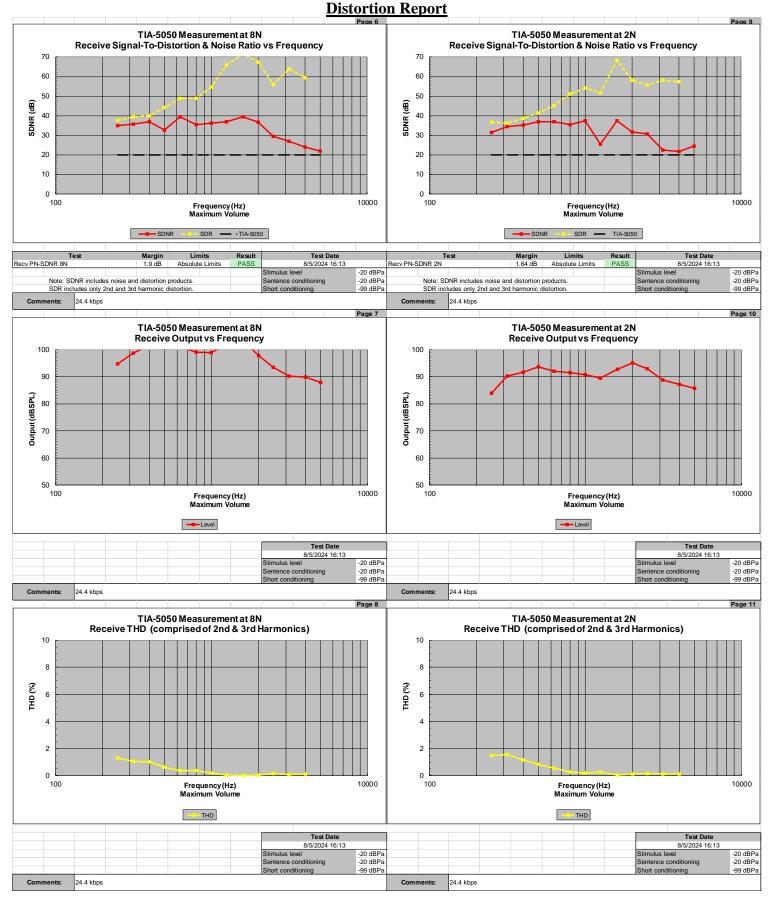
NR n41 PC2 EVS-WB: 24.4 kbps



NR n77 Block C EVS-WB: 24.4 kbps Conversational Gain & Frequency Response Report

30 20 10 0 -10 -20 100 Freq (Hz) 10000	Limits F Floating Limits F Floating Limits F Floating Limits F Floating Limits F	Result Reference PASS PASS PASS PASS 10000
Receive Response FF 8N Receive Response FF	Floating Limits Floating Limits Floating Limits Floating Limits Floating Limits Freq (Hz)	Result Reference PASS PASS PASS PASS 10000
Frequency Response TA-5050 Test Recv resp FF 8N Recv resp DF 8N Recv resp FF 2N Recv resp DF 2N Recv resp DF 2N Receive Response FF 8N Receive Response DF 8N	Floating Limits Floating Limits Floating Limits Floating Limits Floating Limits Freq (Hz)	PASS PASS PASS PASS 10000
Receive Response Receive Response Receive Response DF 8N Receiv	Floating Limits Floating Limits Floating Limits Floating Limits Floating Limits Freq (Hz)	PASS PASS PASS PASS 10000
Receive Response FF 8N Receive Response DF	Floating Limits Floating Limits Floating Limits Floating Limits Floating Limits Freq (Hz)	PASS PASS PASS PASS 10000
Receive Response FF 8N Receive Response DF	Floating Limits Floating Limits Floating Limits Floating Limits Floating Limits Freq (Hz)	PASS PASS PASS PASS 10000
Recv resp FF 8N Recv resp DF 8N Recv resp FF 2N Recv resp DF 2N Recv resp DF 2N Receive Response FF 8N Receive Response DF 8N	Floating Limits Floating Limits Floating Limits Floating Limits Floating Limits Freq (Hz)	PASS PASS PASS PASS 10000
Recv resp DF 8N Recv resp FF 2N Recv resp DF 2N Receive Response FF 8N 30 20 10 Freq (Hz) Receive Response DF 8N Receive Response DF 8N 30 20 10 Receive Response DF 8N 30 20 30 20 Receive Response DF 8N 30 20 20 30 20 Receive Response DF 8N 30 20 20 30 20 30 20 30 20 30 30 20 30 30 30 30 30 30 30 30 30 30 30 30 30	Floating Limits Floating Limits Floating Limits Floating Limits Freq (Hz)	FF 2N
Recv resp FF 2N	Floating Limits Floating Limits Freq (Hz)	FF 2N
Receive Response FF 8N 30 20 10 10 10 20 100 Freq (Hz) Receive Response DF 8N 30 20 10 20 10 8 Receive Response DF 8N 30 20 20 20 20 20 20 20 20 20 20 20 20 20	eceive Response Freq (Hz)	FF 2N
Receive Response FF 8N 30 20 10 10 20 10 10 20 10 10 20 100 Receive Response DF 8N 30 20 20 20 20 20 20 20 20 20 20 20 20 20	eceive Response Freq (Hz)	FF 2N
30 20 10 10 10 20 100 Freq (Hz) 10000 Receive Response DF 8N	Freq (Hz)	10000
30 20 10 10 10 20 100 Freq (Hz) 10000 Receive Response DF 8N	Freq (Hz)	10000
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10 0 10 10 10 10 10 10 10 10 10 10 10 10		
Receive Response DF 8N 30 20 Receive Response DF 8N 30 20		
Receive Response DF 8N 30 20 20 20 20 20 20 20 20 20 20 20 20 20		
Receive Response DF 8N 30 20 20 20 20 20 20 20 20 20 20 20 20 20		
Receive Response DF 8N 30 20 20 20 20 20 20 20 20 20 20 20 20 20		
20 Freq (Hz) 10000 -20 100 Receive Response DF 8N 30 20		
20 Freq (Hz) 10000 -20 100 Receive Response DF 8N 30 20		
100 Freq (Hz) 10000 100 Receive Response DF 8N 30 20		
100 Freq (Hz) 10000 100 Receive Response DF 8N 30 20		
30 20 20	eceive Response	
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100 Freq (Hz) 10000 100	rieq (nz)	10000
Output		
FIA-5050 Test Measured Clause 5.1 Recv output level dBSPL 8N 99.02 dB	Limits R	Result Reference
Recv conversational gain 8N 29.02 dB		PASS
20.02 UD	.0.00	
Recv output level dBSPL 2N 90.64 dB	info only	
Recv conversational gain 2N 20.64 dB		PASS
Distortion		
TIA-5050 Test Margin		Result Reference
Clause 5.2 Recv PN-SDNR 8N 1.9 dB	Absolute Limits F	
		PASS
Recv PN-SDNR 2N 1.64 dB		PASS

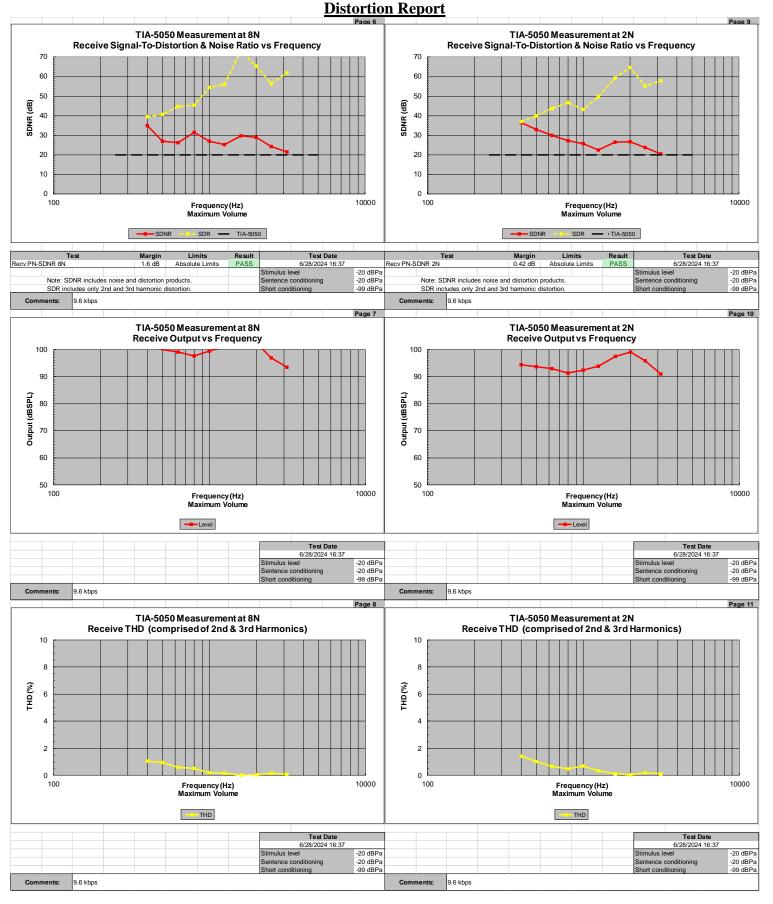
NR n77 Block C EVS-WB: 24.4 kbps



Wi-Fi 2.4 GHz EVS-NB: 9.6 kbps CCK 5.5 Mbps Conversational Gain & Frequency Response Report

TIA-5050 Receive Volume Control Measurements Page 1 **Device Under** 802.11b CCK5.5 EVS-NB Test: Bandwidth Narrowband Test Date: 6/28/2024 **Frequency Response** TIA-5050 Limits Result Margin Reference Test Clause 5.3 Floating Limits **PASS** Recv resp FF 8N 0.19 dB Recv resp DF 8N 2 dB Floating Limits **PASS** Recv resp FF 2N 1.63 dB Floating Limits **PASS** Recv resp DF 2N 2.52 dB Floating Limits **PASS** Receive Response FF 8N Receive Response FF 2N 30 30 20 20 10 10 0 0 10 10 -20 20 Freq (Hz) Freq (Hz) 10000 100 100 10000 **Receive Response DF 2N Receive Response DF 8N** 30 30 20 20 10 10 0 0 -10 10 -20 -20 Freq (Hz) Freq (Hz) 100 100 10000 10000 Output TIA-5050 Test Limits Result Reference Measured Clause 5.1 info only Recvoutput level dBSPL 8N 98.78 dB Recv conversational gain 8N 28.78 dB 18.00 PASS Recvoutput level dBSPL 2N 91.76 dB info only **PASS** Recv conversational gain 2N 21.76 dB 6.00 **Distortion** TIA-5050 Test Margin Limits Result Reference Clause 5.2 Recv PN-SDNR 8N **PASS** 1.6 dB Absolute Limits **PASS** Recv PN-SDNR 2N 0.42 dB Absolute Limits

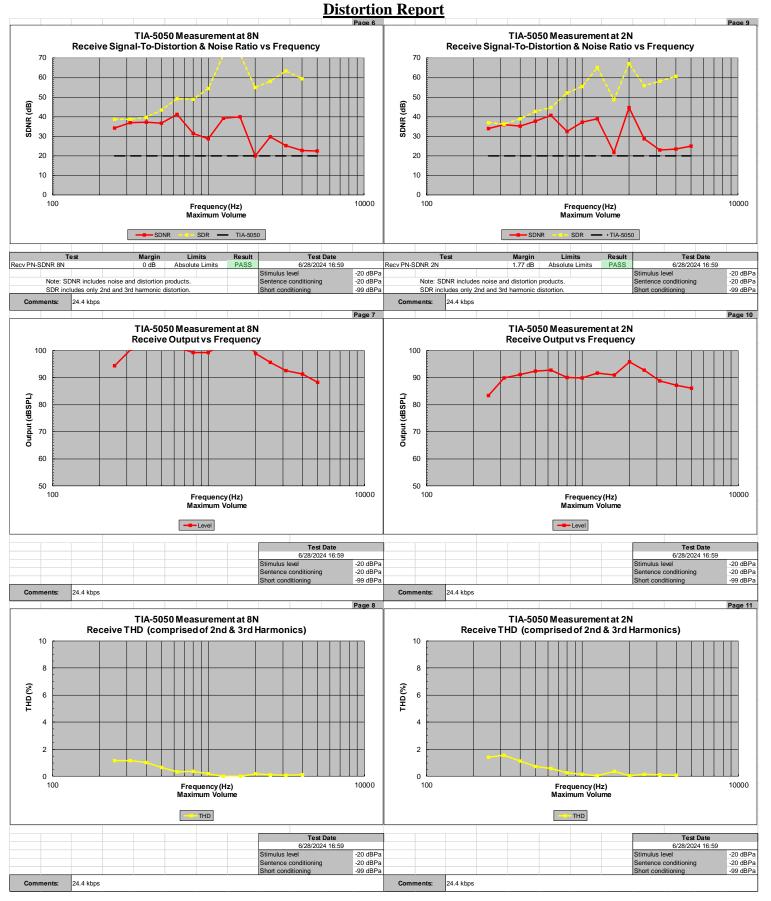
Wi-Fi 2.4 GHz EVS-NB: 9.6 kbps CCK 5.5 Mbps



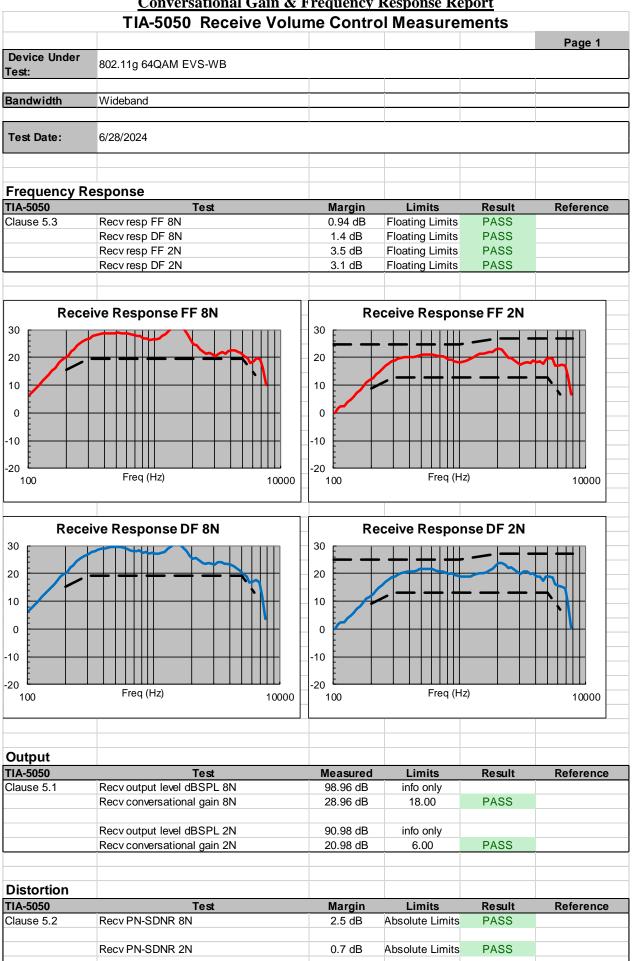
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps CCK 11 Mbps Conversational Gain & Frequency Response Report

	Conversational Gair					
	TIA-5050 Receive V	olume'	Contro	l Measurer	nents	
						Page 1
Device Under	802.11b CCK11EVS-WB					
est:				1		1
andwidth	Wideband					
Test Date:	6/28/2024	•				
Too Date.	0/20/2024					
requency R	ASDONSA					
1A-5050	Test		Margin	Limits	Result	Reference
lause 5.3	Recv resp FF 8N		0.56 dB	Floating Limits	PASS	
	Recv resp DF 8N		1 dB	Floating Limits	PASS	
	Recv resp FF 2N		3.18 dB	Floating Limits	PASS	
	Recv resp DF 2N		2.7 dB	Floating Limits	PASS	
Rece	ive Response FF 8N		Ra	ceive Respor	SA FF 2N	
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Rece	ive Response DF 8N		Re	ceive Respor	se DF 2N	
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Output						
IA-5050	Test		Measured	Limits	Result	Reference
lause 5.1	Recv output level dBSPL 8N		99.15 dB	info only	DAGG	
	Recv conversational gain 8N		29.15 dB	18.00	PASS	
	Recv output level dBSPL 2N		89.52 dB	info only		
	Recv conversational gain 2N		19.52 dB	6.00	PASS	
Distortion	_					
IA-5050	Test Recv PN-SDNR 8N		Margin	Limits	Result	Reference
clause 5.2	KECV FIN-SUNK ØIN		0 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N		1.77 dB	Absolute Limits	PASS	
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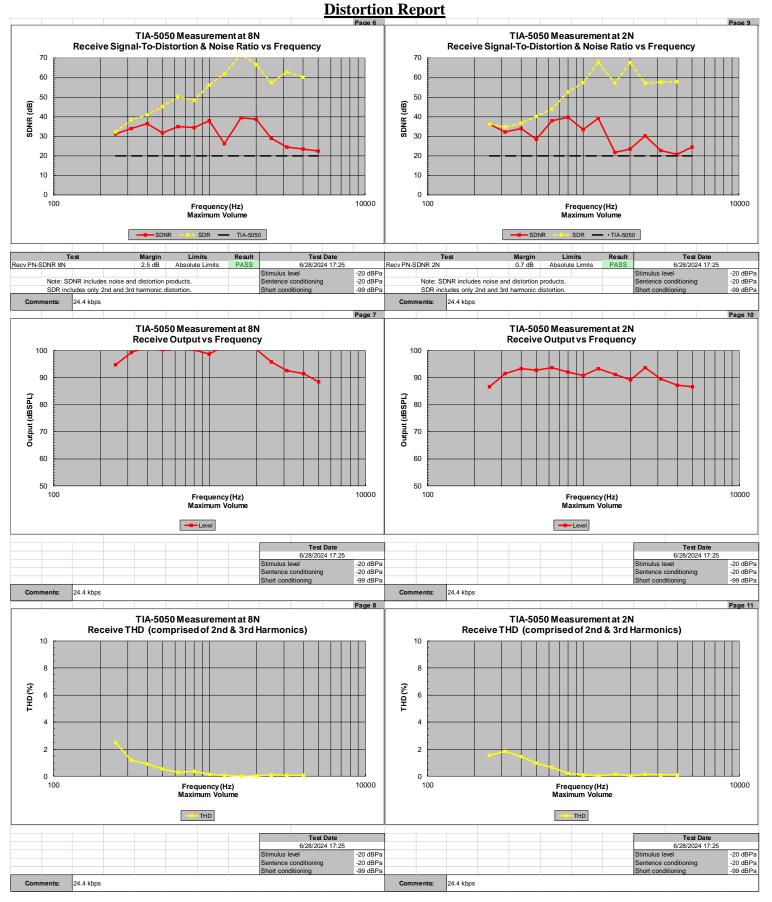
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps CCK 11 Mbps



Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps 64QAM 54 Mbps Conversational Gain & Frequency Response Report



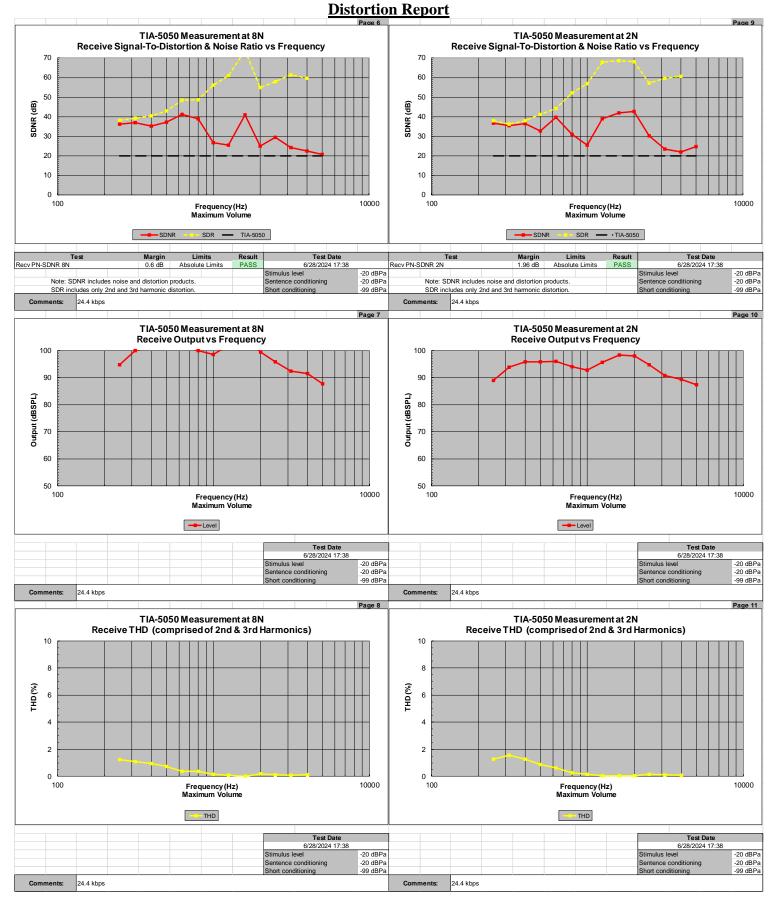
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps 64QAM 54 Mbps



Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS7 65 Mbps Conversational Gain & Frequency Response Report

	Conversational Gain &				
	TIA-5050 Receive Volu	me Contro	I Measure	ments	
					Page 1
Device Under	802.11n MCS7 EVS-WB				
est:					
andwidth	Wideband	-			
anuwium	Wideballd				
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Test Date:	6/28/2024				
Frequency R					
TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recvires PF 8N	0.41 dB	Floating Limits	PASS	
	Recv resp DF 8N Recv resp FF 2N	1 dB 3.59 dB	Floating Limits Floating Limits	PASS PASS	
	Recviesp TF 2N	3.2 dB	Floating Limits	PASS	
	TOOV TOOP BY LIV	0.2 0.5	Trouting Limito	17100	
Rece	ive Response FF 8N	Re	ceive Respo	nse FF 2N	
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Rece	ive Response DF 8N	Re	ceive Respo	nse DF 2N	
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10	<u> </u>	10			
0		0			
0		-10			
		-20			
100	Freq (Hz) 10000	100	Freq (H	z)	10000
Dutnut					
Output TA-5050	Test	Measured	Limits	Result	Deference
lause 5.1	Recv output level dBSPL 8N	99.15 dB	info only	Result	Reference
	Recv conversational gain 8N	29.15 dB	18.00	PASS	
	Recvoutput level dBSPL 2N	93.26 dB	info only		
	Recv conversational gain 2N	23.26 dB	6.00	PASS	ļ
Note:					
Distortion		P. 0	Limit	D!/	Defer
TIA-5050 Clause 5.2	Test Recv PN-SDNR 8N	Margin	Limits Absolute Limits	Result PASS	Reference
iause 3.2	IVECA LIA-ODIAL OIA	0.6 dB	ADSUIGE LITTIES	PASS	
	Recv PN-SDNR 2N	1.96 dB	Absolute Limits	PASS	
			222220 2		

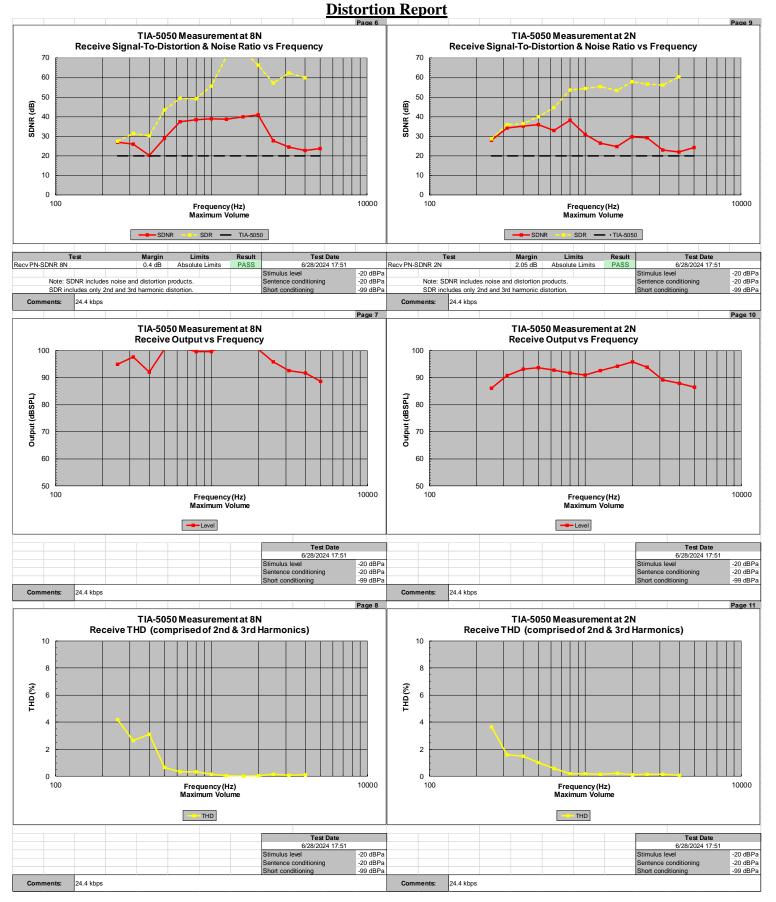
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS7 65 Mbps



Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS7 65 Mbps Conversational Gain & Frequency Response Report

TIA-5050 Receive Volume Control Measurements Page 1 **Device Under** 802.11ac MCS7 EVS-WB Test: Bandwidth Wideband Test Date: 6/28/2024 **Frequency Response** TIA-5050 Limits Result Margin Reference Test Clause 5.3 Floating Limits **PASS** Recv resp FF 8N 0.73 dB Recv resp DF 8N 1.3 dB Floating Limits **PASS** Recv resp FF 2N 3.42 dB Floating Limits **PASS** Recv resp DF 2N 3.1 dB Floating Limits **PASS** Receive Response FF 2N Receive Response FF 8N 30 30 20 20 10 10 0 0 10 10 -20 20 Freq (Hz) Freq (Hz) 10000 100 100 10000 **Receive Response DF 8N** Receive Response DF 2N 30 30 20 20 10 10 0 0 -10 10 -20 -20 Freq (Hz) Freq (Hz) 100 100 10000 10000 Output TIA-5050 Test Limits Result Reference Measured Clause 5.1 Recvoutput level dBSPL 8N 98.96 dB info only Recv conversational gain 8N 28.96 dB 18.00 PASS Recvoutput level dBSPL 2N 90.81 dB info only **PASS** Recv conversational gain 2N 20.81 dB 6.00 **Distortion** TIA-5050 Test Margin Limits Result Reference Clause 5.2 Recv PN-SDNR 8N PASS 0.4 dB Absolute Limits **PASS** Recv PN-SDNR 2N 2.05 dB Absolute Limits

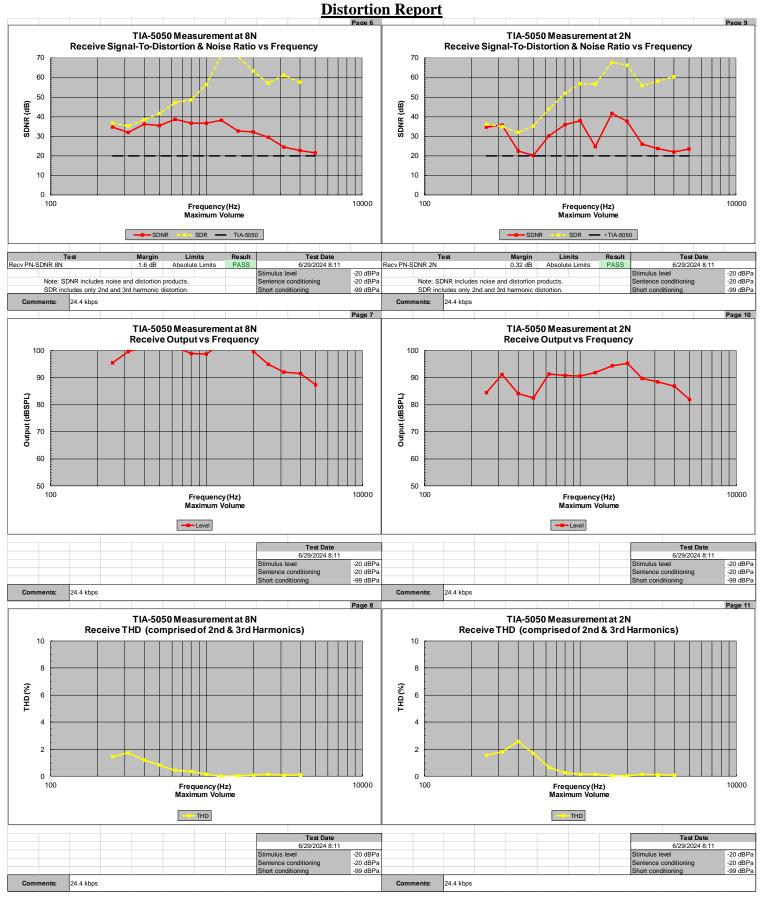
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS7 65 Mbps



Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS9 114.7 Mbps Conversational Gain & Frequency Response Report

TIA-5050 Receive Volume Control Measurements Page 1 **Device Under** 802.11ax MCS9 EVS-WB Test: Bandwidth Wideband Test Date: 6/29/2024 **Frequency Response** TIA-5050 Limits Result Margin Reference Test Clause 5.3 Floating Limits **PASS** Recv resp FF 8N 0.47 dB Recv resp DF 8N 0.7 dB Floating Limits **PASS** Recv resp FF 2N 3.38 dB Floating Limits **PASS** Recv resp DF 2N 3.1 dB Floating Limits **PASS** Receive Response FF 2N Receive Response FF 8N 30 30 20 20 10 10 0 0 10 10 -20 20 Freq (Hz) Freq (Hz) 10000 100 100 10000 Receive Response DF 2N **Receive Response DF 8N** 30 30 20 20 10 10 0 0 -10 10 -20 -20 Freq (Hz) Freq (Hz) 100 100 10000 10000 Output TIA-5050 Test Limits Result Reference Measured Clause 5.1 info only Recvoutput level dBSPL 8N 98.79 dB Recv conversational gain 8N 28.79 dB 18.00 PASS Recvoutput level dBSPL 2N 89.97 dB info only **PASS** Recv conversational gain 2N 19.97 dB 6.00 **Distortion** TIA-5050 Test Margin Limits Result Reference Clause 5.2 Recv PN-SDNR 8N PASS 1.6 dB Absolute Limits **PASS** Recv PN-SDNR 2N 0.32 dB Absolute Limits

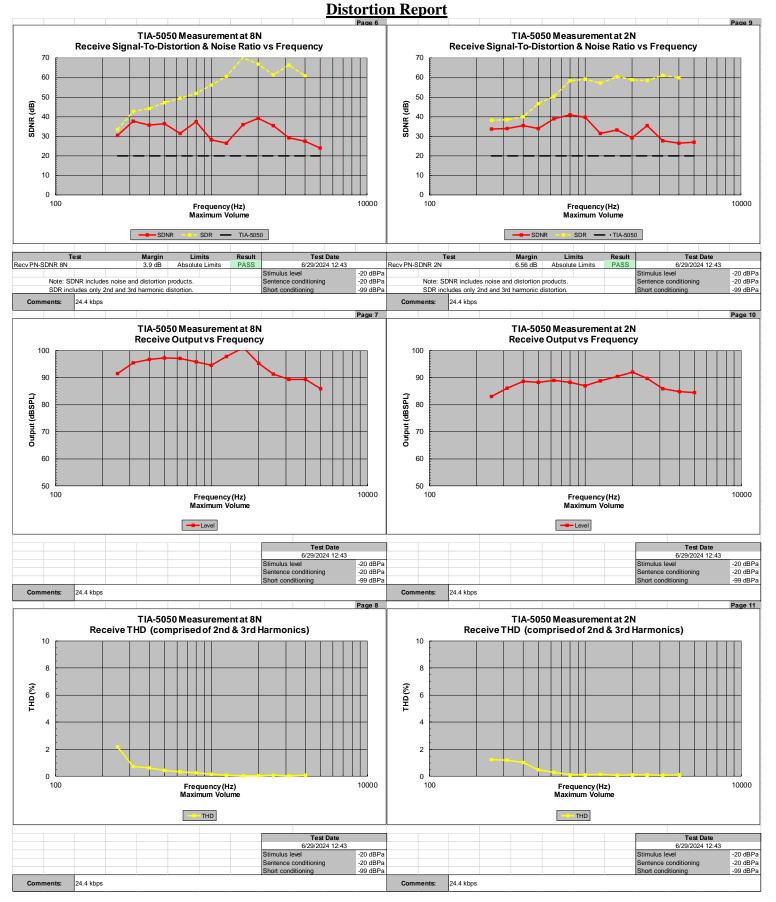
Wi-Fi 2.4 GHz EVS-WB: 24.4 kbps MCS9 114.7 Mbps



Wi-Fi 5 GHz EVS-WB: 24.4 kbps 64QAM 54 Mbps Conversational Gain & Frequency Response Report

TIA-5050 Receive Volume Control Measurements Page 1 **Device Under** 802.11a 64QAM EVS-WB Test: Bandwidth Wideband Test Date: 6/29/2024 **Frequency Response** TIA-5050 Margin Limits Result Reference Test Clause 5.3 Floating Limits **PASS** Recv resp FF 8N 0.72 dB Recv resp DF 8N 1 dB Floating Limits **PASS** Recv resp FF 2N 3.29 dB Floating Limits **PASS** Recv resp DF 2N 3 dB Floating Limits **PASS** Receive Response FF 8N Receive Response FF 2N 30 30 20 20 10 10 0 0 10 -20 20 Freq (Hz) Freq (Hz) 10000 100 100 10000 Receive Response DF 2N **Receive Response DF 8N** 30 30 20 20 10 10 0 0 -10 10 -20 -20 Freq (Hz) Freq (Hz) 100 100 10000 10000 Output TIA-5050 Test Limits Result Reference Measured Clause 5.1 Recvoutput level dBSPL 8N 95.28 dB info only Recv conversational gain 8N 25.28 dB 18.00 PASS Recvoutput level dBSPL 2N 86.96 dB info only **PASS** Recv conversational gain 2N 16.96 dB 6.00 **Distortion** TIA-5050 Test Margin Limits Result Reference Clause 5.2 Recv PN-SDNR 8N PASS 3.9 dB Absolute Limits **PASS** Recv PN-SDNR 2N 6.56 dB Absolute Limits

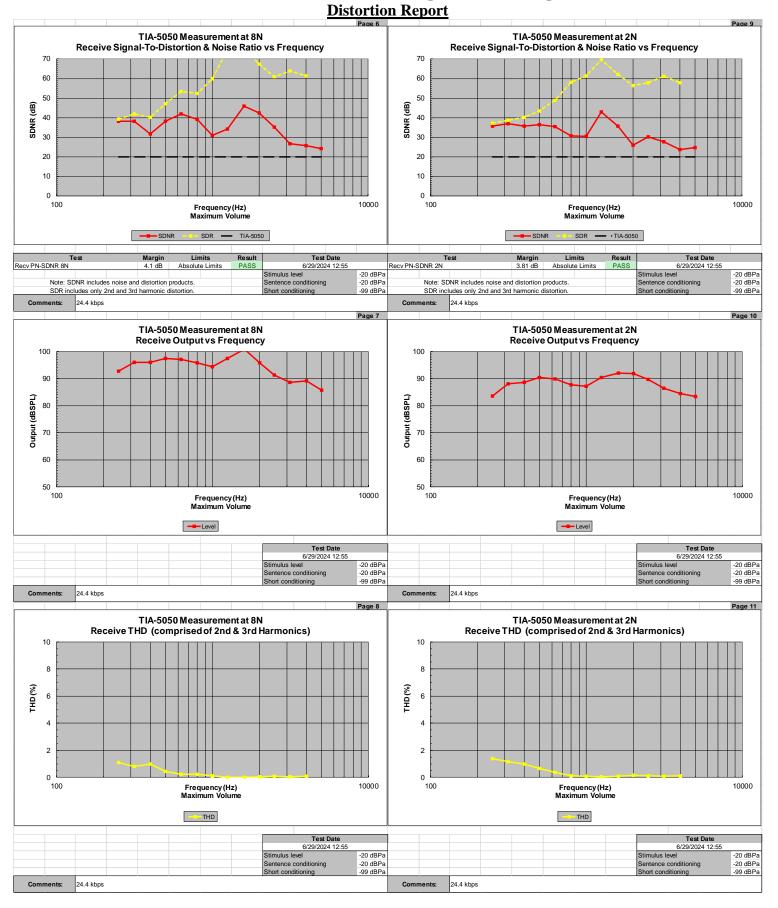
Wi-Fi 5 GHz EVS-WB: 24.4 kbps 64QAM 54 Mbps



Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS7 135 Mbps Conversational Gain & Frequency Response Report

	Conversational Gain &				
	TIA-5050 Receive Vol	ume Contro	I Measure	ments	
					Page 1
Device Under	802.11n40 MCS7 EVS-WB				
est:					1
Bandwidth	Wideband				
Test Date:	6/29/2024				
requency R	esponse				
TA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recvires PF 8N	1.03 dB	Floating Limits	PASS	
	Recv resp DF 8N Recv resp FF 2N	1.3 dB 3.46 dB	Floating Limits Floating Limits	PASS PASS	
	Recviesp FF 2N	3.40 dB	Floating Limits	PASS	
	Necviesp bi Ziv	3.2 db	r loating Limits	1 700	
Rece	ive Response FF 8N	Re	ceive Respoi	nse FF 2N	
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Rece	ive Response DF 8N	Re	ceive Respor	nse DF 2N	
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Output					
IA-5050	Test	Measured	Limits	Result	Reference
clause 5.1	Recv output level dBSPL 8N	95.22 dB	info only	DACC	
	Recv conversational gain 8N	25.22 dB	18.00	PASS	
	Recv output level dBSPL 2N	87.78 dB	info only		
	Recv conversational gain 2N	17.78 dB	6.00	PASS	
Distortion					
1A-5050	Test	Margin	Limits	Result	Reference
lause 5.2	Recv PN-SDNR 8N	4.1 dB	Absolute Limits	PASS	Kelefelled
	Recv PN-SDNR 2N	3.81 dB	Absolute Limits	PASS	

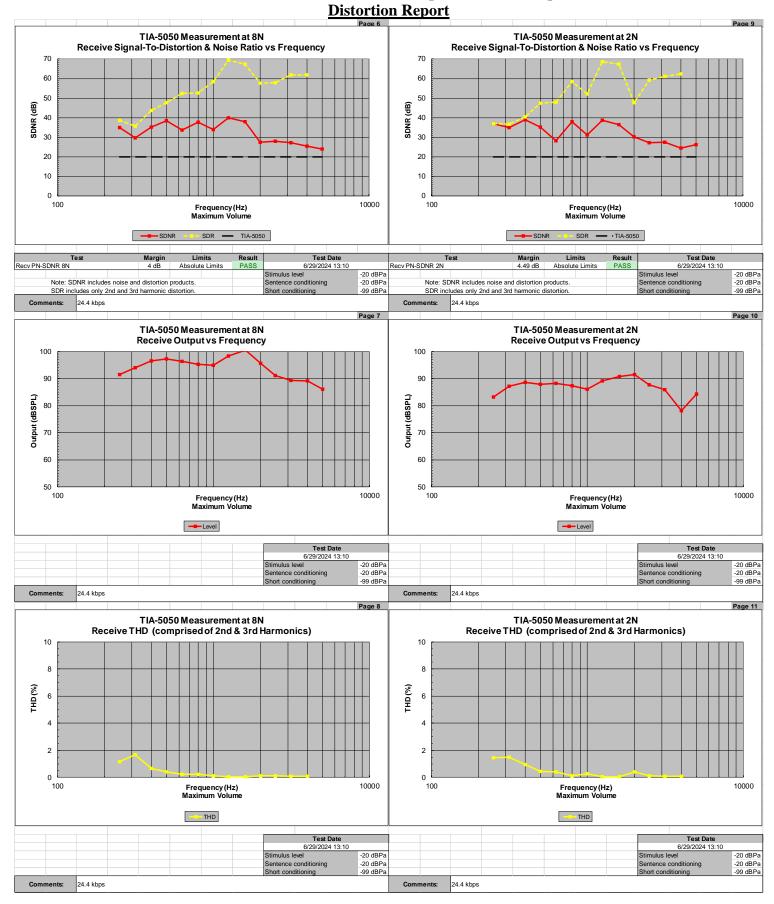
Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS7 135 Mbps



Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS9 390 Mbps Conversational Gain & Frequency Response Report

TIA-5050 Receive Volume Control Measurements Page 1 **Device Under** 802.11ac80 MCS9 EVS-WB Test: Bandwidth Wideband Test Date: 6/29/2024 **Frequency Response** TIA-5050 Limits Result Margin Reference Test Clause 5.3 Floating Limits **PASS** Recv resp FF 8N 0.78 dB Recv resp DF 8N 1.1 dB Floating Limits **PASS** Recv resp FF 2N 3.41 dB Floating Limits **PASS** Recv resp DF 2N 3.1 dB Floating Limits **PASS** Receive Response FF 8N Receive Response FF 2N 30 30 20 20 10 10 0 0 10 -20 20 Freq (Hz) Freq (Hz) 10000 100 100 10000 Receive Response DF 2N **Receive Response DF 8N** 30 30 20 20 10 10 0 0 -10 10 -20 -20 Freq (Hz) Freq (Hz) 100 100 10000 10000 Output TIA-5050 Test Limits Result Reference Measured Clause 5.1 Recvoutput level dBSPL 8N 95.12 dB info only Recv conversational gain 8N 25.12 dB 18.00 PASS Recvoutput level dBSPL 2N 86.75 dB info only **PASS** Recv conversational gain 2N 16.75 dB 6.00 **Distortion** TIA-5050 Test Margin Limits Result Reference Clause 5.2 Recv PN-SDNR 8N **PASS** 4 dB Absolute Limits **PASS** Recv PN-SDNR 2N 4.49 dB Absolute Limits

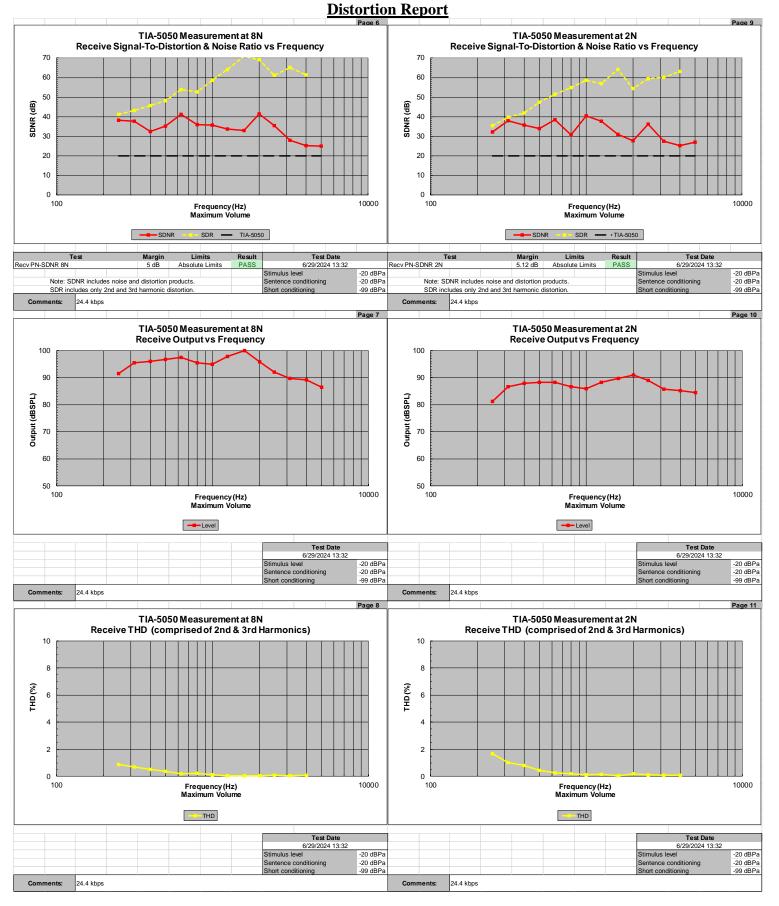
Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS9 390 Mbps



Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS11 1201 Mbps Conversational Gain & Frequency Response Report

	Conversational Gain &				
	TIA-5050 Receive Vol	ume Contro	ol Measure	ments	5 4
Device Under est:	802.11ax160 MCS11 EVS-WB				Page 1
andwidth	Wideband				
Геst Date:	6/29/2024				
requency Re					
TIA-5050	Test	Margin	Limits	Result PASS	Reference
Clause 5.3	Recvires DE 9N	1.37 dB 1.8 dB	Floating Limits	PASS	
	Recvires DF 8N	3.21 dB	Floating Limits Floating Limits	PASS	
	Recv resp FF 2N Recv resp DF 2N				
	Recviesp of ziv	2.7 dB	Floating Limits	PASS	
Rece	ive Response FF 8N	Re	ceive Respo	nse FF 2N	
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Output					
TA-5050	Test	Measured	Limits	Result	Reference
lause 5.1	Recv output level dBSPL 8N	94.77 dB	info only		
	Recv conversational gain 8N	24.77 dB	18.00	PASS	
	Recv output level dBSPL 2N	86.22 dB	info only		
	Recv conversational gain 2N	16.22 dB	6.00	PASS	
		-			
Distortion					
IA-5050	Test	Margin	Limits	Result	Reference
lause 5.2	Recv PN-SDNR 8N	5 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	5.12 dB	Absolute Limits	PASS	

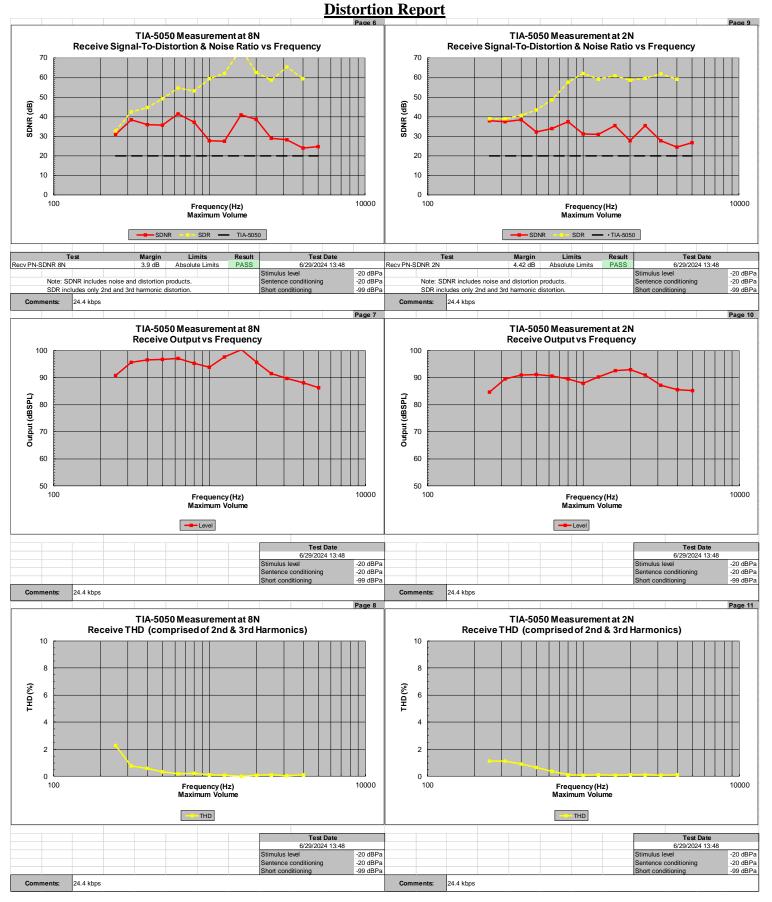
Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS11 1201 Mbps



Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS11 143.4 Mbps Conversational Gain & Frequency Response Report

	Conversational Gain & TIA-5050 Receive Vo				
	I IA-5050 Receive vo	iume Contro	i weasure	ments	D 4
Device Under est:	802.11ax20 MCS11 EVS-WB				Page 1
andwidth	Wideband				
Test Date:	6/29/2024				
requency R					
TIA-5050	Test	Margin	Limits	Result	Reference
Clause 5.3	Recvirean PE 8N	1.25 dB 1.5 dB	Floating Limits	PASS PASS	
	Recvirean FF 3N		Floating Limits	PASS	
	Recvirean PE 2N	3.49 dB	Floating Limits Floating Limits		
	Recv resp DF 2N	3.2 dB	Floating Limits	PASS	
Paca	ive Response FF 8N	Po	ceive Respo	nse FF 2N	
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Output TA-5050	Test	Measured	Limits	Result	Reference
lause 5.1	Recv output level dBSPL 8N	94.78 dB	info only		
	Recv conversational gain 8N	24.78 dB	18.00	PASS	
	Recv output level dBSPL 2N	88.78 dB	info only		
	Recv conversational gain 2N	18.78 dB	6.00	PASS	
Distortion					
IA-5050	Test	Margin	Limits	Result	Reference
lause 5.2	Recv PN-SDNR 8N	3.9 dB	Absolute Limits	PASS	
	Recv PN-SDNR 2N	4.42 dB	Absolute Limits	PASS	

Wi-Fi 5 GHz EVS-WB: 24.4 kbps MCS11 143.4 Mbps



LTE Band 25 AMR-NB: 4.75 kbps 1,0 RB QPSK Conversational Gain & Frequency Response Report

