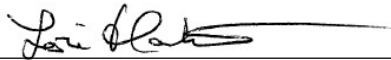


# Element Materials Technology Denver-Longmont A.K.A. NTS Labs, LLC

## Test Report for Electromagnetic Interference (EMI) Testing of the Vanguard Flex

**Prepared For**

SLI Compliance | 4720 Independence Street | Wheat Ridge, CO 80033

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PreparerEugene DeVito  
Program Manager

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**Revision History**

Rev.	Description	Issue Date
0	Initial Release	02/14/2025
1	Customer gave us a PN correction	03/28/2025

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## 1.0 Introduction

This document presents the test procedures used and the results obtained during the performance of an Electromagnetic Interference (EMI) test program at Element Materials Technology Denver-Longmont (hereafter referred to as “Element”). The test program was conducted to assess the ability of the specified Equipment Under Test (EUT) to successfully satisfy the requirements defined in the test specification.

## 2.0 References

The following references listed below form a part of this document to the extent specified herein.

- Test Specification: See Table 5.0-1
- SLI Compliance Purchase Order 20240603-03 dated 06/03/2024.
- Element Quotation OP0647348 dated 09/26/2023.
- ISO/IEC 17025:2017(E) *General Requirements for the Competence of Testing and Calibration Laboratories*, dated 11/2017.

## 3.0 Product Selection and Description

SLI Compliance selected and provided the following test sample(s) to be used as the Equipment Under Test.

**Table 3.0-1: Product Identification – Equipment Under Test (EUT)**

Item	Qty.	Name/Description	Part Number	Serial Number
1	1	Vanguard Flex	2007010 VV-400	F2520000401, F2520000501

## 3.1 Security Classification

Non-classified

## 4.0 General Test Requirements

### 4.1 Test Equipment

The instrumentation used in the performance of these tests is periodically calibrated and standardized within manufacturer's rated accuracies and are traceable to the National Institute of Standards and Technology. The calibration procedures and practices are in accordance with ISO 17025:2017. Certification of calibration is on file subject to inspection by authorized personnel.

### 4.2 Measurement Uncertainties

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below were calculated using the approach described in CISPR 16-4-2:2003 using a coverage factor of k=2, which gives a level of confidence of approximately 95%. The levels were found to be below levels of CISPR and therefore no adjustment of the data for measurement uncertainty is required.

**Table 4.2-1: Measurement Uncertainties (Emissions)**

Measurement Type	Measurement Unit	Frequency Range	Expanded Uncertainty
Conducted Emissions	dBuA	150kHz to 30MHz	.+/- 3.75 dB
Radiated Emissions	dBuV/m	30MHz to 1GHz	.+/- 6.32 dB
		1GHz to 6GHz	.+/- 9.59 dB
		6GHz to 18GHz	.+/- 7.58 dB
		18GHz to 40GHz	.+/- 6.08 dB

## 5.0 Test Description and Results

**Table 5.0-1: Summary of Test Information & Results**

Section	Test	Specification	Test Facility	Test Date	Part #	Serial #	Test Result
5.1	Radiated Emissions, 30 MHz - 1 GHz	FCC Part 15. Class B	Longmont	02/10/2025	2007010 VV-400	F2520000401	Passed
5.2	Radiated Emissions, 1 GHz - 15 GHz	FCC Part 15. Class B	Longmont	02/10/2025	2007010 VV-400	F2520000401	Passed
5.3	Conducted Emissions, 150 kHz - 30 MHz	FCC Part 15. Class B	Longmont	02/10/2025	2007010 VV-400	F2520000401	Passed

The decision rule for Test Results was based on the Test Specification used for testing.

## 5.1 Radiated Emissions, 30 MHz - 1 GHz

### 5.1.1 Test Procedure

The EUT was tested in accordance with 30 MHz - 1 GHz.FCC Part 15. Class B.

### 5.1.2 Test Result

The EUT passed the defined requirements.

### 5.1.3 Test Datasheets

Element Materials Technology				
Radiated Emissions, FCC Part 15, Class B				
Standard		Date: 2/10/2025		
Referenced: FCC Part 15, Class B				
Temperature: 25°C	Humidity: 9%	Pressure: 836 mb		
		Linearity		
Input Voltage: 120Vac, 60Hz		Check: Pass		
Configuration of		Sweep Time		
Unit: Scanning Ballots, Shoeshine Mode		Check: Yes		
Test Engineer /				
Technician: Mike Tidquist				
Date	Time	Log Entries	Initials	Result
2/10/25	0800-0900	Initial Product Setup Pretest and Ambient scan	MT	Complete
	0900-1000	Radiated Emissions, 30 MHz – 1 GHz. FCC Part 15. Class B. 120 VAC / 60 Hz, Failed Horizontal 335 and 720MHz. Client is trouble shooting	MT	Fail
	1000-1100	Trouble shooting failures	MT	Complete
	1100-1200	Radiated Emissions, 30 MHz – 1 GHz. FCC Part 15. Class B. 120 VAC / 60 Hz After Mitigations	MT	Pass

Element Materials Technology	
Radiated Emissions, FCC Part 15, Class B	
Standard Referenced: FCC Part 15, Class B	Date: 2/10/2025
Temperature: 25°C Humidity: 9%	Pressure: 836 mb
Input Voltage: 120Vac, 60Hz	Pretest & Linearity Check: Pass
Configuration of Unit: Scanning Ballots, Shoeshine Mode	Sweep Time Check: Yes
Test Engineer / Technician: Mike Tidquist	

“Type” refers to the type of measurement performed. The type of measurement made is based on the requirements of the particular standard:

PK = Peak Measurement: RBW is 120kHz, VBW is 3 MHz

QP = Quasi-Peak Measurement: RBW is 120kHz, VBW is 3 MHz, and QP Detection is ENABLED

AV = Video Average Measurement: RBW is 1 MHz, VBW is 10 Hz

The “field strength” (FS) emissions level is attained by adding the received amplitude measured (RA), Antenna factor (AF), and cable factor (CF) minus the amplifier gain (AG).  $FS = RA + AF + CF - AG$ . Final measurements are made with the Azimuth, Polarity, Height, and EUT Cables positioned for maximum radiation. If applicable, cables positions are noted in the test log.

(Sample Calculation:  $49.6 \text{ dBuV} + 11.4 \text{ dB/m} - 28.8 \text{ dB (CF/AG)} = 32.2 \text{ dBuV/m}$ . Important Note: This is a sample calculation only for the purpose of demonstration, and does not reflect data in this report.)

The “Azm/Pol/Hgt” indicates the turn-table azimuth, the antenna polarity, and the antenna height where the maximum emissions level was measured.

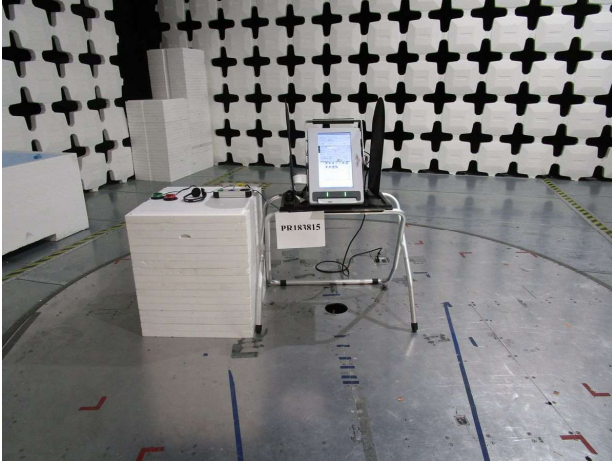
The “Margin” is with reference to the emissions limit. A positive number indicates that the emission measurement is below the limit. A negative number indicates that the emission measurement exceeds the limit.

The PRESCAN is a peak measurement and is performed with the RBW set to 120 kHz, VBW set to 3 MHz (30 MHz to 1 GHz), and the RBW set to 1 MHz, VBW set to 3MHz (> 1 GHz)

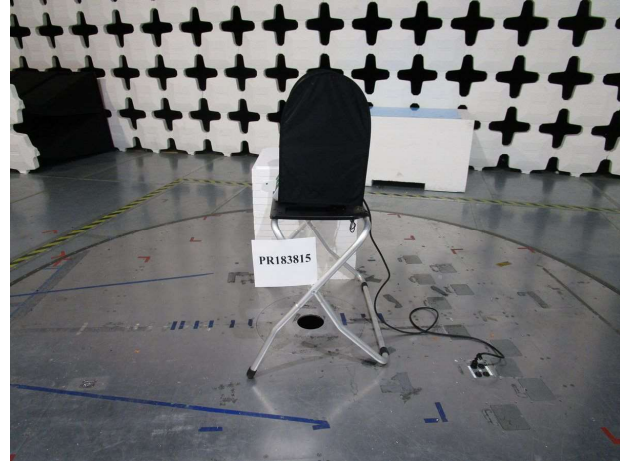
The Antenna setup for >1GHz should match the setup that was used to meet SVSWR requirements. Refer to the SVSWR report stored in the calibration records for the chamber being used.



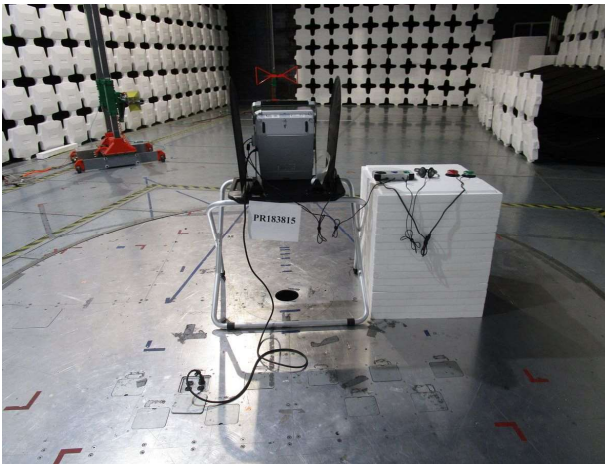
#### 5.1.4 Test Photographs



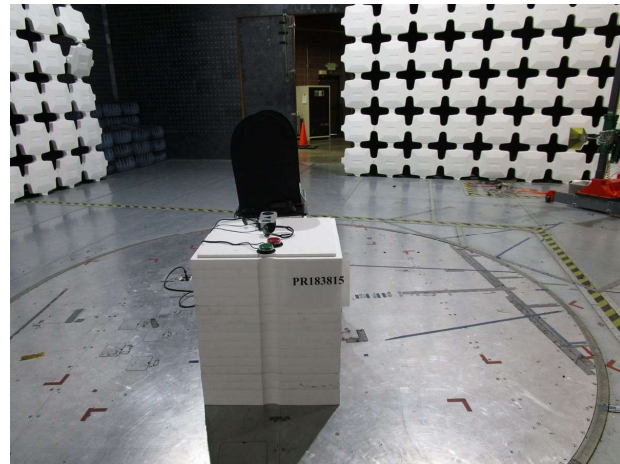
Radiated Emissions 30MHz - 1GHz Front



Radiated Emissions 30MHz - 1GHz Right



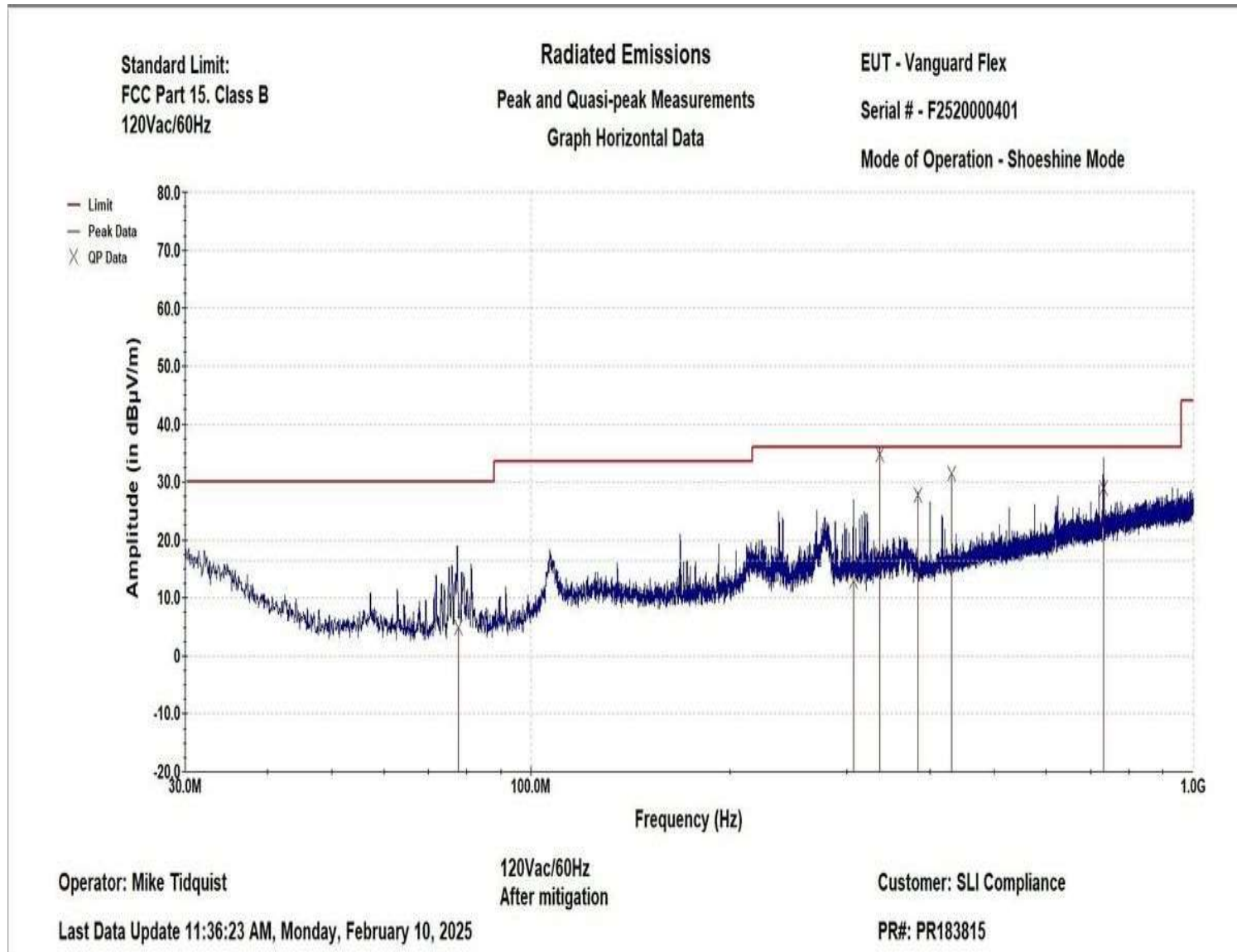
Radiated Emissions 30MHz - 1GHz Back



Radiated Emissions 30MHz - 1GHz Left



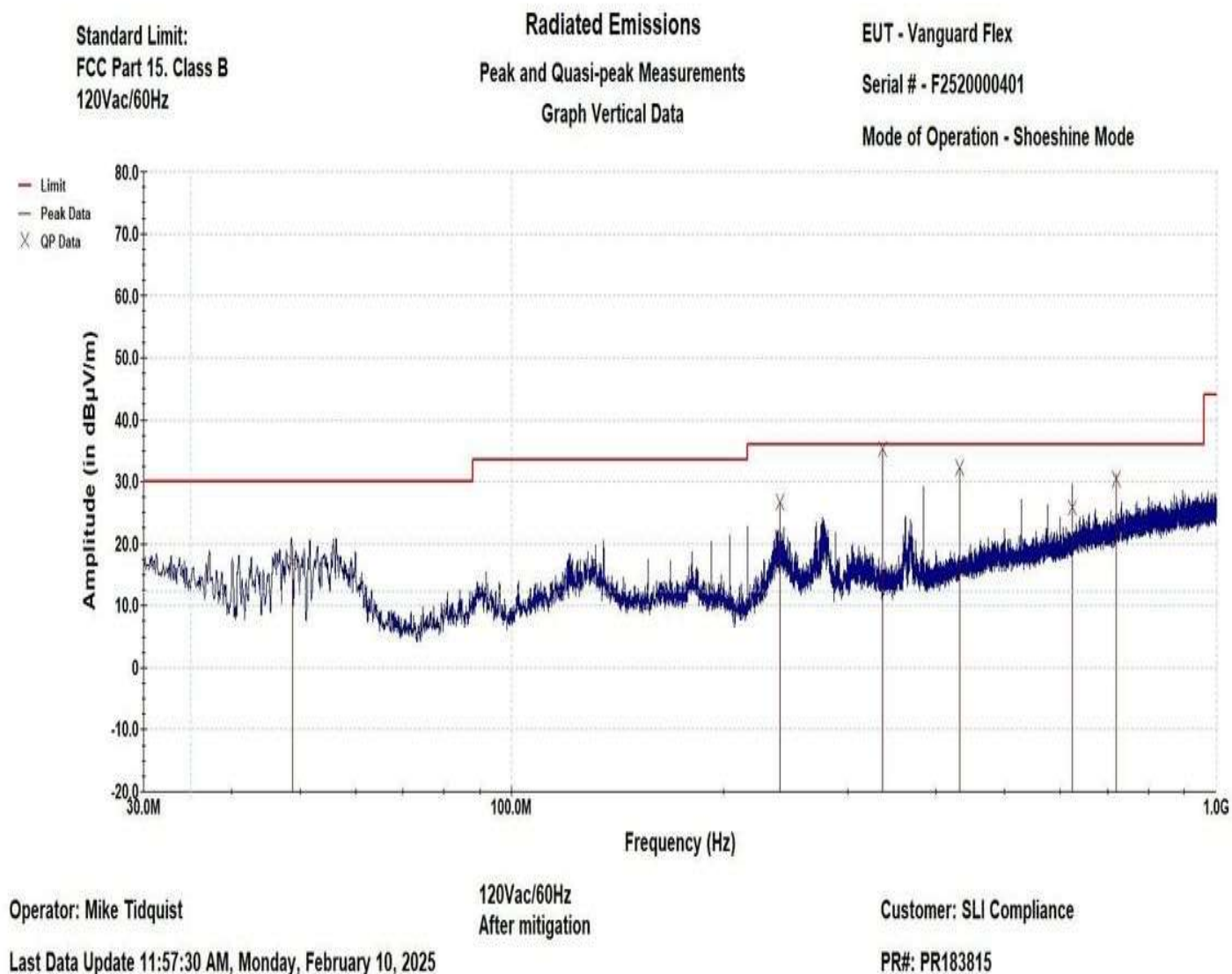
### 5.1.5 Test Data



PR183815 RE 30MHz - 1GHz Horizontal Data Graph

Radiated Emissions Quasi-peak Measurements Table: Horizontal Quasi-peaks below 1 GHz				
Operator: Mike Tidquist		EUT: Vanguard Flex PR#: PR183815 Customer: SLI Compliance		
Frequency (MHz)	QP (in dBuV)	Delta QP to Limit (in dBuV)	Height (in cm)	Azimuth (in Degrees)
77.615 MHz	4.802	-25.198	392	166
307.214 MHz	12.850	-23.170	249	201
336.025 MHz	34.654	-1.366	258	123
383.990 MHz	27.773	-8.247	216	218
431.995 MHz	31.496	-4.524	182	197
732.610 MHz	28.956	-7.064	113	229
Standard Limit:				
FCC Part 15, Class B				
120Vac/60Hz				

PR183815 RE 30MHz - 1GHz Horizontal Quasi Peak Data Table



PR183815 RE 30MHz - 1GHz Vertical Data Graph

Radiated Emissions  
Quasi-peak Measurements  
Table: Vertical Quasi-peaks below 1 GHz

Operator: Mike Tidquist

EUT: Vanguard Flex  
PR#: PR183815  
Customer: SLI Compliance

Frequency (MHz)	QP (in dBuV)	Delta QP to Limit (in dBuV)	Height (in cm)	Azimuth (in Degrees)
48.782 MHz	16.973	-13.027	145	117
239.995 MHz	26.802	-9.218	116	321
335.976 MHz	35.260	-0.760	256	0
431.995 MHz	32.170	-3.850	99	337
624.029 MHz	25.784	-10.236	288	324
720.000 MHz	30.459	-5.561	260	39
Standard Limit:				
FCC Part 15, Class B				
120Vac/60Hz				

PR183815 RE 30MHz - 1GHz Vertical Quasi Peak Data Table

## 5.1.6 Test Equipment List

**Table 5.1-1: Radiated Emissions, 30 MHz - 1 GHz Test Equipment List**

Asset Number	Asset Type	Manufacturer	Model	Calibrated	Due
WC059439	Meter (Digital Multimeter)	Fluke	85	08/16/2024	08/16/2025
WC059739	Antenna (Biconilog)	Sunol Sciences	JB1	05/18/2021	05/11/2025
WC076859	Receiver	Rohde & Schwarz	ESW44	01/24/2025	01/24/2026
WC076870	Cable (Test)	Pasternack Enterprises	RF Coaxial Cable (20 meters)	07/24/2024	07/24/2026
WC076923	Cable (Test)	Teledyne-taber	RF Coaxial Cable (2 meters)	07/09/2024	07/10/2026
WC076928	Cable (Test)	Teledyne-taber	RF Coaxial Cable (1 meter)	07/09/2024	07/09/2026
WC078465	Amplifier (Pre/RF/Low Noise)	Pasternack Enterprises	PE15A1013	10/05/2023	10/05/2025
WC078470	Software	ETS-Lindgren	C47213	NCR	NCR
WC078488	Meter (Hydrometer)	Extech Instruments	Datalogger 42270	02/19/2024	02/28/2025

### Calibration Abbreviations

CAL: Calibration

NCR: No Calibration Required

## 5.2 Radiated Emissions, 1 GHz - 15 GHz

### 5.2.1 Test Procedure

The EUT was tested in accordance with FCC Part 15. Class B.

### 5.2.2 Test Result

The EUT passed the defined requirements.

### 5.2.3 Test Datasheets

Element Materials Technology				
Radiated Emissions, FCC Part 15, Class B				
Standard Referenced: FCC Part 15, Class B		Date: 2/10/2025		
Temperature: 25°C	Humidity: 10%	Pressure: 836 mb	Pretest & Linearity Check: Pass	
Input Voltage: 120Vac, 60Hz		Sweep Time Check: Yes		
Configuration of Unit: Scanning Ballots, Shoeshine Mode		Test Engineer / Technician: Mike Tidquist		
Date	Time	Log Entries	Initials	Result
2/10/25	1230-1330	Radiated Emissions, 1 GHz – 15 GHz. FCC Part 15. Class B. 120 VAC / 60 Hz	MT	Pass

Element Materials Technology	
Radiated Emissions, FCC Part 15, Class B	
Standard	
Referenced: FCC Part 15, Class B	Date: 2/10/2025
Temperature: 25°C	Humidity: 10%
	Pressure: 836 mb
Input Voltage: 120Vac, 60Hz	Pretest & Linearity
Configuration of Unit: Scanning Ballots, Shoeshine Mode	Check: Pass
	Sweep Time Check: Yes
Test Engineer / Technician: Mike Tidquist	

“Type” refers to the type of measurement performed. The type of measurement made is based on the requirements of the particular standard:

PK = Peak Measurement: RBW is 120kHz, VBW is 3 MHz

QP = Quasi-Peak Measurement: RBW is 120kHz, VBW is 3 MHz, and QP Detection is ENABLED

AV = Video Average Measurement: RBW is 1 MHz, VBW is 10 Hz

The “field strength” (FS) emissions level is attained by adding the received amplitude measured (RA), Antenna factor (AF), and cable factor (CF) minus the amplifier gain (AG).  $FS = RA + AF + CF - AG$ . Final measurements are made with the Azimuth, Polarity, Height, and EUT Cables positioned for maximum radiation. If applicable, cables positions are noted in the test log. (Sample Calculation:  $49.6 \text{ dBuV} + 11.4 \text{ dB/m} - 28.8 \text{ dB (CF/AG)} = 32.2 \text{ dBuV/m}$ . Important Note: This is a sample calculation only for the purpose of demonstration, and does not reflect data in this report.)

The “Azm/Pol/Hgt” indicates the turn-table azimuth, the antenna polarity, and the antenna height where the maximum emissions level was measured.

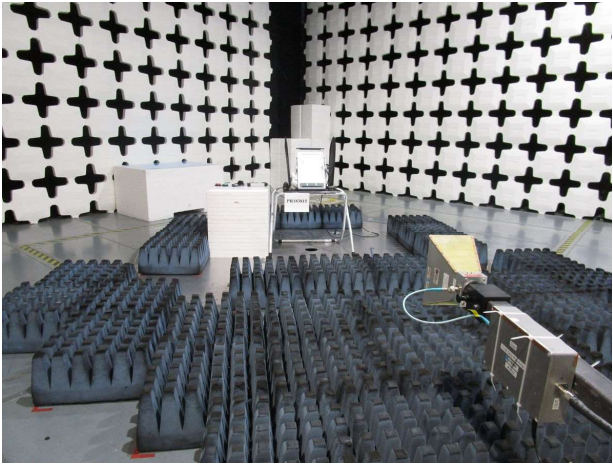
The “Margin” is with reference to the emissions limit. A positive number indicates that the emission measurement is below the limit. A negative number indicates that the emission measurement exceeds the limit.

The PRESCAN is a peak measurement and is performed with the RBW set to 120 kHz, VBW set to 3 MHz (30 MHz to 1 GHz), and the RBW set to 1 MHz, VBW set to 3MHz (> 1 GHz)

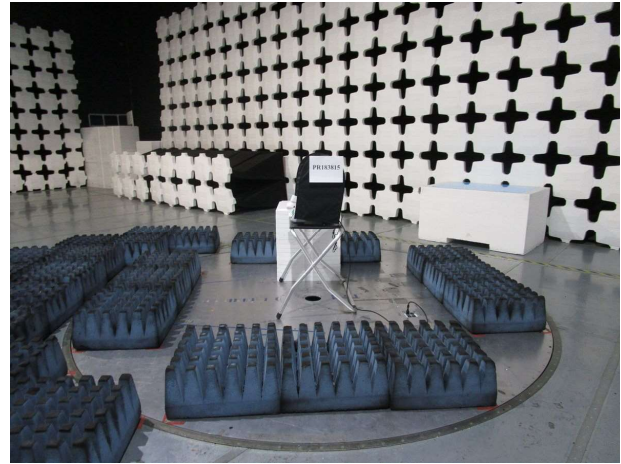
The Antenna setup for >1GHz should match the setup that was used to meet SVSWR requirements. Refer to the SVSWR report stored in the calibration records for the chamber being used.



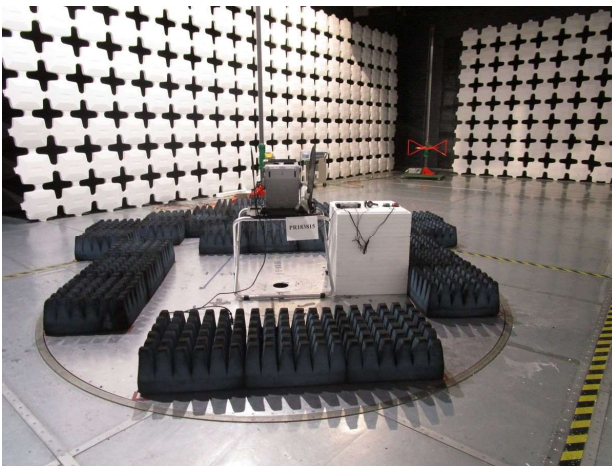
#### 5.2.4 Test Photographs



Radiated Emissions 1GHz - 15GHz Front



Radiated Emissions 1GHz - 15GHz Right



Radiated Emissions 1GHz - 15GHz Back

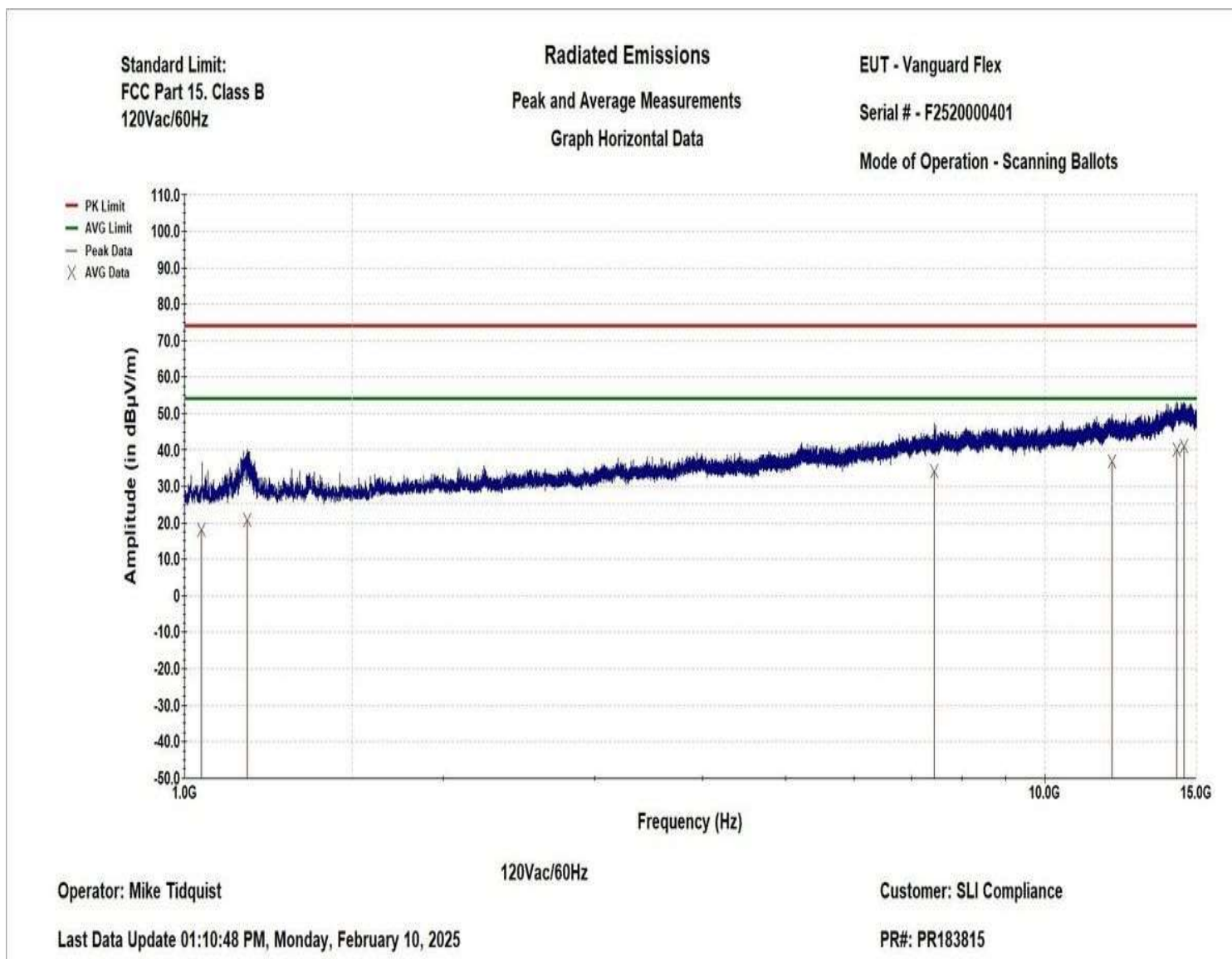


Radiated Emissions 1GHz - 15GHz Left

## 5.2.5 Test Data

Radiated Emissions Horizontal Average Measurements Table: Final Horizontal Average above 1GHz				
Operator: Mike Tidquist		EUT: Vanguard Flex PR#: PR183815 Customer: SLI Compliance		
Frequency (MHz)	AVG (in dBuV)	Delta to AVG Limit (in dBuV)	Height (in cm)	Azimuth (in Degrees)
1.048 GHz	18.114	-35.886	227	320
1.183 GHz	20.777	-33.223	366	172
7.435 GHz	34.034	-19.966	202	228
11.972 GHz	36.922	-17.078	105	218
14.242 GHz	40.073	-13.927	278	314
14.517 GHz	41.038	-12.962	274	58
Standard Limit:				
FCC Part 15, Class B				
120Vac/60Hz				

PR183815 RE 1GHz - 15GHz Horizontal Average Data Table



PR183815 RE 1GHz - 15GHz Horizontal Data Graph

Radiated Emissions  
Horizontal peak Measurements  
Table: Final Horizontal Peak above 1GHz

Operator: Mike Tidquist

EUT: Vanguard Flex  
PR#: PR183815  
Customer: SLI Compliance

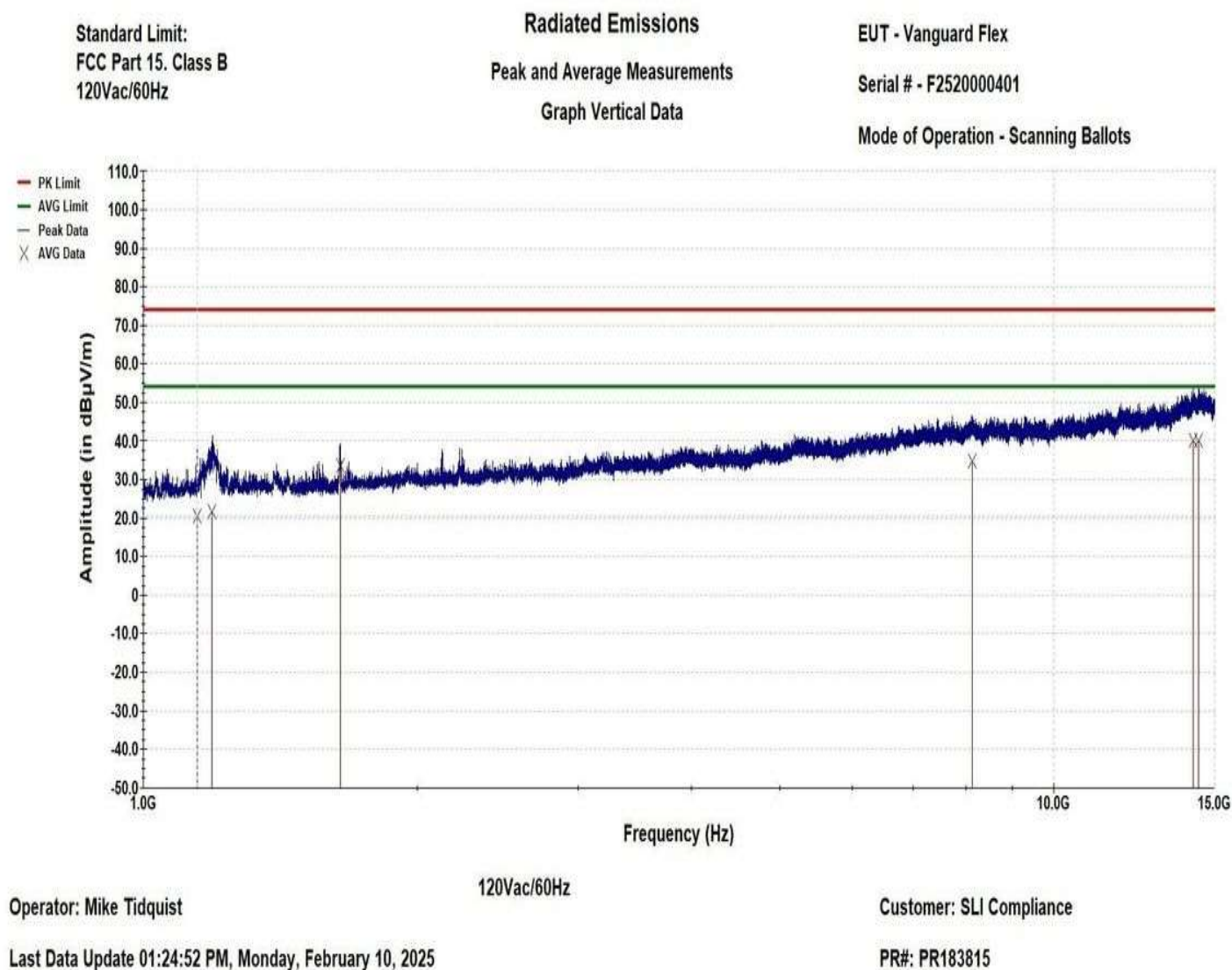
Frequency (MHz)	Peak (in dBuV)	Delta to PK limit (in dBuV)	Height (in cm)	Azimuth (in Degrees)
1.048 GHz	38.327	-35.673	227	320
1.183 GHz	45.966	-28.034	366	172
7.435 GHz	50.741	-23.259	202	228
11.972 GHz	49.769	-24.231	105	218
14.242 GHz	52.799	-21.201	278	314
14.517 GHz	54.813	-19.187	274	58
Standard Limit:				
FCC Part 15, Class B				
120Vac/60Hz				

PR183815 RE 1GHz - 15GHz Horizontal Peak Data Table



Radiated Emissions Vertical Average Measurements Table: Final Vertical Average above 1GHz				
Operator: Mike Tidquist		EUT: Vanguard Flex PR#: PR183815 Customer: SLI Compliance		
Frequency (MHz)	AVG (in dBuV)	Delta to AVG Limit (in dBuV)	Height (in cm)	Azimuth (in Degrees)
1.147 GHz	20.422	-33.578	296	194
1.190 GHz	21.698	-32.302	150	185
1.646 GHz	33.511	-20.489	192	220
8.134 GHz	34.679	-19.321	294	160
14.212 GHz	39.966	-14.034	153	270
14.400 GHz	39.997	-14.003	305	158
Standard Limit:				
FCC Part 15, Class B				
120Vac/60Hz				

PR183815 RE 1GHz - 15GHz Vertical Average Data Table



PR183815 RE 1GHz - 15GHz Vertical Data Graph

Radiated Emissions  
Vertical peak Measurements  
Table: Final Vertical Peak above 1GHz

Operator: Mike Tidquist

EUT: Vanguard Flex

PR#: PR183815

Customer: SLI Compliance

Frequency (MHz)	Peak (in dBuV)	Delta to Pk Limit (in dBuV)	Height (in cm)	Azimuth (in Degrees)
1.147 GHz	45.483	-28.517	296	194
1.190 GHz	49.251	-24.749	150	185
1.646 GHz	43.493	-30.507	192	220
8.134 GHz	47.882	-26.118	294	160
14.212 GHz	52.826	-21.174	153	270
14.400 GHz	54.057	-19.943	305	158
Standard Limit:				
FCC Part 15, Class B				
120Vac/60Hz				

PR183815 RE 1GHz - 15GHz Vertical Peak Data Table



## 5.2.6 Test Equipment List

**Table 5.2-1: Radiated Emissions, 1 GHz - 15 GHz Test Equipment List**

Asset Number	Asset Type	Manufacturer	Model	Calibrated	Due
WC059428	Antenna (Double Ridge Guide)	Sunol Sciences	DRH-118	02/20/2024	02/20/2026
WC059439	Meter (Digital Multimeter)	Fluke	85	08/16/2024	08/16/2025
WC059550	Amplifier (Pre/RF/Low Noise)	Ciao Wireless	1-18 GHZ	06/21/2024	06/21/2025
WC076859	Receiver	Rohde & Schwarz	ESW44	01/24/2025	01/24/2026
WC076925	Cable (Test)	Teledyne-taber	3 M RF Coax Cable	10/21/2024	10/21/2026
WC078470	Software	ETS-Lindgren	C47213	NCR	NCR
WC078488	Meter (Hydrometer)	Extech Instruments	Datalogger 42270	02/19/2024	02/28/2025
WC080805	Cable (Test)	Micro-Coax	UFA210A-0-0180-300300	06/21/2024	06/21/2025

### Calibration Abbreviations

CAL: Calibration

NCR: No Calibration Required

### 5.3 Conducted Emissions, 150 kHz - 30 MHz

#### 5.3.1 Test Procedure

The EUT was tested in accordance with FCC Part 15. Class B.

#### 5.3.2 Test Result

The EUT passed the defined requirements.

#### 5.3.3 Test Datasheets

Element Materials Technology				
Conducted Emissions, FCC Part 15, Class B				
Standard Referenced: FCC Part 15, Class B			Date: 2/10/2025	
Temperature: 29°C		Humidity: 9%		Pressure: 836 mb
Input Voltage: 120Vac/60Hz			LISN Bonding: 2.0 mΩ	
Configuration of Unit: Scanning Ballots, Shoeshine Mode			Sweep Time Check: Yes	
Test Engineer: Mike Tidquist				
Date	Time	Log Entries	Initials	Result
2/10/25	1330-1400	Conducted Emissions pretest and ambient scans complete. OK to continue	MT	Complete
	1400-1500	Conducted Emissions, 150 kHz – 30 MHz. FCC Part 15. Class B. 120 VAC / 60 Hz	MT	Pass

Element Materials Technology			
Conducted Emissions, FCC Part 15, Class B			
Standard Referenced: FCC Part 15, Class B		Date: 2/10/2025	
Temperature: 29°C	Humidity: 9%	Pressure: 836 mb	
Input Voltage: 120Vac/60Hz		LISN Bonding: 2.0 mΩ	
Configuration of Unit: Scanning Ballots, Shoeshine Mode		Sweep Time Check: Yes	
Test Engineer: Mike Tidquist			

“Type” refers to the type of measurement performed. The type of measurement made is based on the requirements of the particular standard:

PK = Peak Measurement: RBW is 9 kHz, VBW is 3 MHz

QP = Quasi-Peak Measurement: RBW is 9 kHz, VBW is 3 MHz, and QP Detection is ENABLED

AV = Video Average Measurement: RBW is 9 kHz, VBW is 10 Hz

The “CE Level” is attained by adding the conducted amplitude measured (CA), Attenuation Cal factor (ACF), cable factor (CF) plus the LISN Cal Factor (LCF). CE Level = CA + ACF + CF + LCF. If applicable, cables positions are noted in the test log. (Sample Calculation: - 7.5 dBuV + 20.2 dB + 1.5 dB + 23.8 dB= 38 dBuV. **Important Note:** This is a sample calculation only for the purpose of demonstration, and does not reflect data in this report.)

The “TestPoint” indicates which AC or DC input power line or which I/O cable the measurement was made on.

The “Margin” is with reference to the emissions limit. A positive number indicates that the emission measurement is below the limit. A negative number indicates that the emission measurement exceeds the limit.

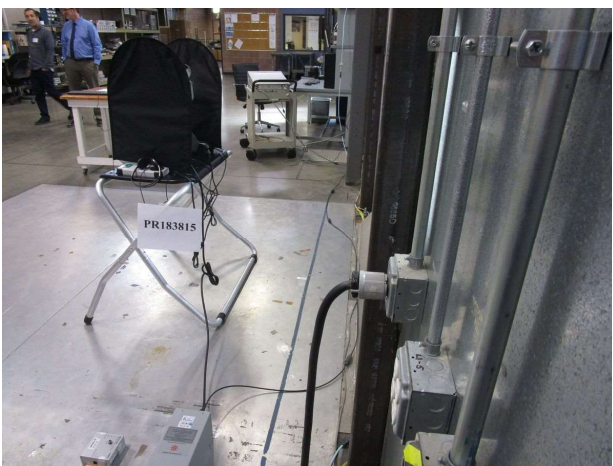
### 5.3.4 Test Photographs



Conducted Emissions Front



Conducted Emissions Right



Conducted Emissions Back



Conducted Emissions Left

### 5.3.5 Test Data

#### Conducted Emissions Average Data Table

Operator: Mike Tidquist  
02:13:32 PM, Monday, February 10, 2025

EUT: Vanguard Flex  
PR#: PR183815  
Client: SLI Compliance

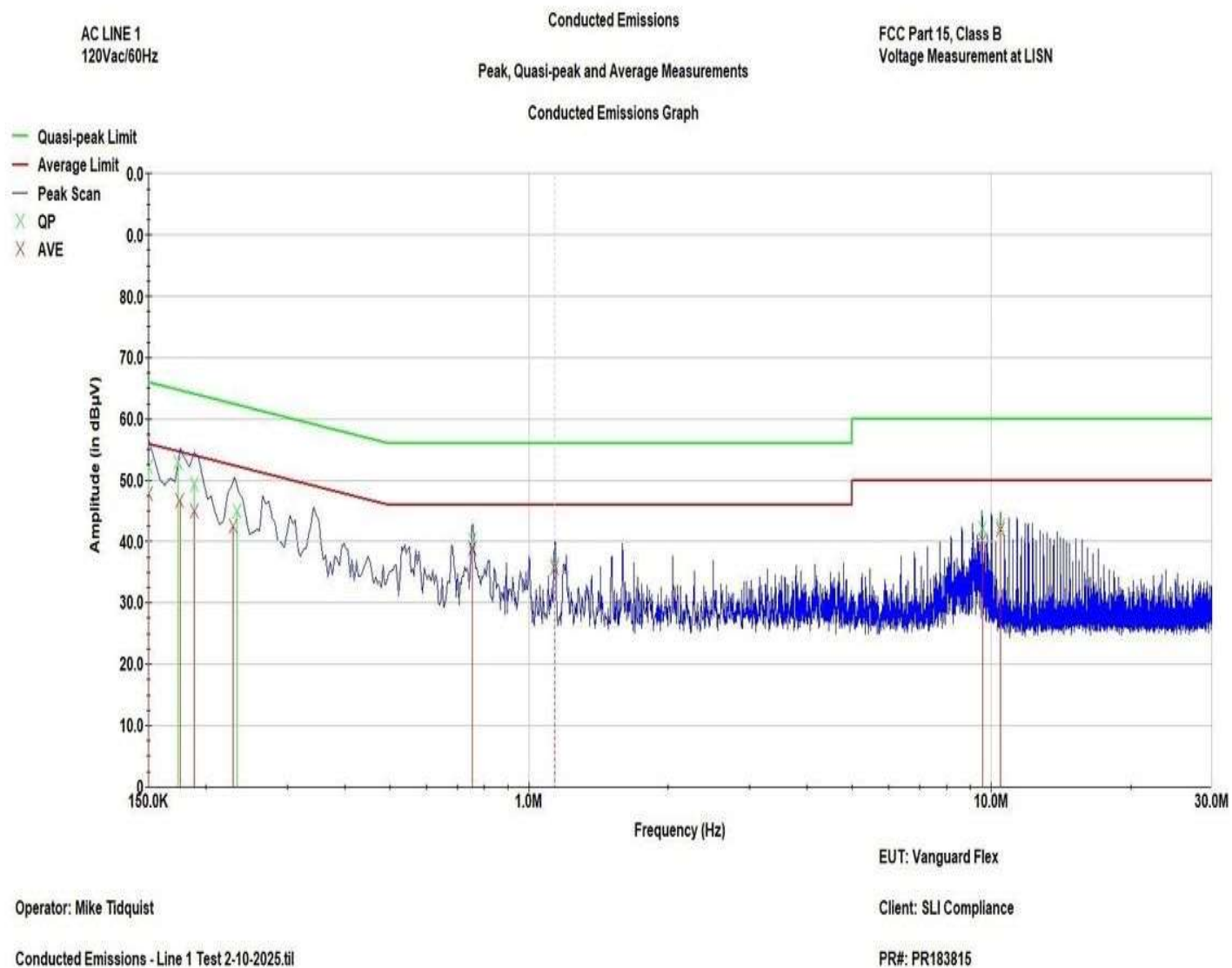
Frequency (MHz)	Amplitude (in dBμV)	Average Limit (in dBμV)	Delta to Average Limit (in dB)
150.00 KHz	47.90	56.00	-8.10
175.58 KHz	46.64	55.27	-8.63
188.37 KHz	45.06	54.90	-9.84
228.72 KHz	42.46	53.75	-11.29
754.73 KHz	38.99	46.00	-7.01
1.14 MHz	35.67	46.00	-10.33
9.56 MHz	40.33	50.00	-9.67
10.47 MHz	41.93	50.00	-8.07
AC LINE 1			
120Vac/60Hz			

PR183815 SLI Conducted Emissions Average Data Table Line 1

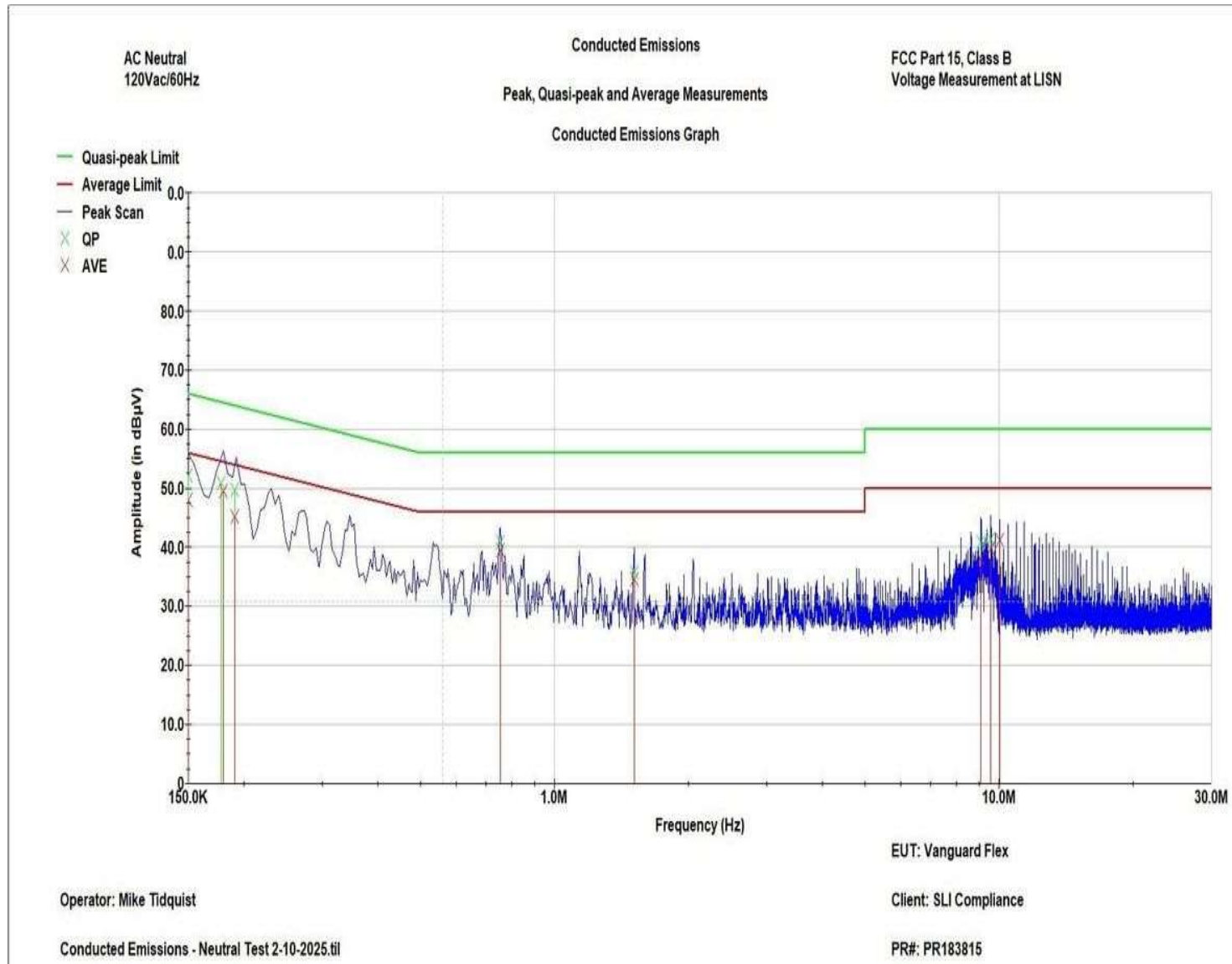
Conducted Emissions Average Data Table			
Operator: Mike Tidquist 02:35:23 PM, Monday, February 10, 2025		EUT: Vanguard Flex PR#: PR183815 Client: SLI Compliance	
Frequency (MHz)	Amplitude (in dB $\mu$ V)	Average Limit (in dB $\mu$ V)	Delta to Average Limit (in dB)
150.00 KHz	48.00	56.00	-8.00
179.85 KHz	49.55	55.15	-5.60
190.72 KHz	45.22	54.84	-9.62
754.73 KHz	39.55	46.00	-6.45
1.51 MHz	34.62	46.00	-11.38
9.10 MHz	38.05	50.00	-11.95
9.56 MHz	39.73	50.00	-10.27
10.01 MHz	41.26	50.00	-8.74
AC Neutral			
120Vac/60Hz			

PR183815 SLI Conducted Emissions Average Data Table Neutral





PR183815 SLI Conducted Emissions Graph Line 1



PR183815 SLI Conducted Emissions Graph Neutral



# Conducted Emissions Quasi-Peak Data Table

Operator: Mike Tidquist  
02:11:12 PM, Monday, February 10, 2025

EUT: Vanguard Flex  
PR#: PR183815  
Client: SLI Compliance

Frequency (MHz)	Amplitude (in dBµV)	Quasi-peak Limit (in dBµV)	Delta to Quasi-peak Limit (in dB)
150.00 KHz	52.18	66.00	-13.82
173.83 KHz	52.93	65.32	-12.38
188.37 KHz	49.24	64.90	-15.66
233.26 KHz	44.97	63.62	-18.65
754.72 KHz	40.31	56.00	-15.69
1.14 MHz	36.30	56.00	-19.70
9.56 MHz	42.22	60.00	-17.78
10.47 MHz	42.58	60.00	-17.42
AC LINE 1			
120Vac/60Hz			

PR183815 SLI Conducted Emissions Quasi Peak Data Table Line 1

Conducted Emissions Quasi-Peak Data Table			
Operator: Mike Tidquist 02:32:53 PM, Monday, February 10, 2025		EUT: Vanguard Flex PR#: PR183815 Client: SLI Compliance	
Frequency (MHz)	Amplitude (in dB $\mu$ V)	Quasi-peak Limit (in dB $\mu$ V)	Delta to Quasi-peak Limit (in dB)
150.00 KHz	52.18	66.00	-13.82
178.06 KHz	50.86	65.20	-14.33
190.72 KHz	49.79	64.84	-15.05
754.73 KHz	40.73	56.00	-15.27
1.51 MHz	35.79	56.00	-20.21
9.10 MHz	40.73	60.00	-19.27
9.56 MHz	41.29	60.00	-18.71
10.02 MHz	41.16	60.00	-18.84
AC Neutral			
120Vac/60Hz			

PR183815 SLI Conducted Emissions Quasi Peak Data Table Neutral

### 5.3.6 Test Equipment List

**Table 5.3-1: Conducted Emissions, 150 kHz - 30 MHz Test Equipment List**

Asset Number	Asset Type	Manufacturer	Model	Calibrated	Due
WC059439	Meter (Digital Multimeter)	Fluke	85	08/16/2024	08/16/2025
WC059729	Power Supply (AC)	Pacific Power Source	TMX 140	NCR	NCR
WC059822	Receiver	Keysight Technologies	N9038A	09/17/2024	09/17/2025
WC076847	Network (LISN)	Solar Electronics	8012-50-R-25-BNC	10/10/2024	10/31/2025
WC078470	Software	ETS-Lindgren	C47213	NCR	NCR
WC078471	Cable (Test)	National Technical Systems	BNC Coaxial Cable	09/20/2023	09/20/2025
WC078488	Meter (Hydrometer)	Extech Instruments	Datalogger 42270	02/19/2024	02/28/2025
WC084270	Attenuator (Coaxial)	Pasternack Enterprises	PE7002-6	09/20/2023	09/20/2026

#### Calibration Abbreviations

CAL: Calibration

NCR: No Calibration Required

**End of Test Report**