Engineering Test Report No. 2204008-02		
Report Date	March 15, 2030	
Manufacturer Name	Cala Health, Inc	
Manufacturer Address	1800 Gateway Drive, Suite 300 San Mateo, CA 94404	
Test Item Name Model No.	tremor therapy device charging dock BW100	
Date Received	February 8, 2023	
Test Dates	February 8, 2023 to March 14, 2023	
Specifications	FCC “Code of Federal Regulations” Title 47, Part 15, Subpart B FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247 FCC "Code of Federal Regulations" Title 47 Part 24, Subpart E, Section 24.238 FCC "Code of Federal Regulations" Title 47 Part 27, Subpart C, Section 27.53 Innovation, Science, and Economic Development Canada, RSS-GEN Innovation, Science, and Economic Development Canada, RSS-247 Innovation, Science, and Economic Development Canada, RSS-130 Innovation, Science, and Economic Development Canada, RSS-133	
Test Facility	Elite Electronic Engineering, Inc. 1516 Centre Circle, Downers Grove, IL 60515	FCC Reg. Number: 269750 IC Reg. Number: 2987A CAB Identifier: US0107
Signature		
Tested by	Javier Cardenas	
Signature		
Approved by	Raymond J. Klouda, Registered Professional Engineer of Illinois – 44894	
PO Number	PO2821	

Elite Electronic Engineering Incorporated certifies that the information contained in this report was obtained under conditions which meet or exceed those specified in the FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247 and Innovation, Science, and Economic Development Canada, RSS-247 test specifications. The data presented in this test report pertains to the EUT on the test dates specified. Any electrical or mechanical modifications made to the EUT subsequent to the specified test date will serve to invalidate the data and void this certification. This report must not be used to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

Table of Contents

1. Report Revision History

Revision	Date	Description
–	16 MAR 2023	Initial Release of Engineering Test Report No. 2204008-02

2. Introduction

2.1. Scope of Tests

This document presents the results of a series of RF emissions tests that were performed on the Cala Health, Inc tremor therapy device charging dock (hereinafter referred to as the Equipment Under Test (EUT)). The EUT was manufactured and submitted for testing by Cala Health, Inc located in San Mateo, CA.

2.2. Purpose

The test series was performed to determine if the EUT meets the RF emission requirements of the FCC "Code of Federal Regulations" Title 47, Part 15, Subpart B, §15.107 and §15.109 for Receivers and Subpart C, §15.247 for a Digital Modulation intentional radiator operating within the 2400 – 2483.5MHz band.

The test series was also performed to determine if the EUT meets the RF emission requirements of the Innovation, Science, and Economic Development Canada Radio Standards Specification RSS-Gen and Innovation, Science, and Economic Development Canada Radio Standards Specification RSS-247 for a Digital Modulation intentional radiator operating within the 2400 – 2483.5MHz band.

Additionally, this document presents the results of limited spurious emissions measurements performed on the EUT. The EUT is also equipped with a pre-certified radio module, FCC ID XPY2AGQN4NNN, IC ID 8595A-2AGQN4N, operating in the LTE Cat M1 bands. The nature of these measurements is to ensure that the radio module and host remain in compliance with the emissions requirements of the FCC and after the integration process.

Testing was performed in accordance with ANSI C63.10-2013.

2.3. Identification of the EUT

The EUT was identified as follows:

EUT Identification	
Product Description	tremor therapy device charging dock
Model/Part No.	BW100
Serial No.	BA00067
Device Type	Digitally Modulated Transmission Device
Band of Operation	2400 – 2483.5MHz
Modulation Type	LE GFSK
Antenna Type	Chip Antenna
EIRP	-8.9dBm
6dB Bandwidth	701.3kHz
Occupied Bandwidth (99% CBW)	1.082MHz

The EUT listed above was used throughout the test series.

3. Power Input

The EUT obtained 9VDC power through 2 leads from a CUI Inc switching adapter, Model No. SWI5-9-N. The adapter received 115V 60Hz power through lowpass powerline filters on the wall of the shielded enclosure.

4. Grounding

The EUT was not connected to ground.

5. Support Equipment

The EUT was submitted for testing along with the following support equipment:

Description	Model #	S/N
AC/DC Adaptor	SWI5-9-N	NA
Laptop	---	---

6. Interconnect Leads

The following interconnect cables were submitted with the test item:

Item	Description
USB to TTL UART Converter	Connects laptop to EUT for configuration of BLE radio

7. Modifications Made to the EUT

No modifications were made to the EUT during the testing.

8. Modes of Operation

The EUT and all peripheral equipment were energized. The unit was programmed to transmit in one of the following modes:

Mode	Description
Tx	- 2402MHz, Power Setting = 0dBm - 2440MHz, Power Setting = 0dBm - 2480MHz, Power Setting = 0dBm - 1880MHz, LTE Cat M1 Band 2* - 707.5MHz, LTE Cat M1 Band 12*
Paired	Wrist-worn tremor therapy device charging on the EUT and BLE Paired.
Multi-Tx	- BLE Paired with Wrist-worn tremor therapy device - NFC continuous transmission - LTE Cat M1 radio connected to base station simulator on Band 2

*For Module Integration Emissions test only.

9. Test Specifications

The tests were performed to selected portions of, and in accordance with, the test specifications.

- Federal Communications Commission "Code of Federal Regulations", Title 47, Chapter I, Subchapter A, Part 15, Subpart B
- Federal Communications Commission "Code of Federal Regulations", Title 47, Chapter I, Subchapter A, Part 15, Subpart C
- Federal Communications Commission "Code of Federal Regulations", Title 47, Chapter I, Subchapter B, Part 24, Subpart E
- Federal Communications Commission "Code of Federal Regulations", Title 47, Chapter I, Subchapter B, Part 27, Subpart C

- ANSI C63.4-2014, “American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz”

- ANSI C63.10-2013, “American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices”

- ANSI C63.26-2015, “American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services”

- Federal Communications Commission Office of Engineering and Technology Laboratory Division, Guidance For Compliance Measurements On Digital Transmission Systems, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating Under Section 15.247 April 2, 2019 KDB 558074 D01v05r02

- RSS-Gen Issue 5, February 2020, Amendment 2, Innovation, Science, and Economic Development Canada, “General Requirements for Compliance of Radio Apparatus”

- RSS-247 Issue 2, February 2017, “Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and License-Exempt Local Area Network (LE-LAN) Devices”

- RSS-133 Issue 6, January 2018, “2 GHz Personal Communications Services”

- RSS-130 Issue 2, February 2019, “Equipment Operating in the Frequency Bands 617-652 MHz, 663-698 MHz, 698-756 MHz and 777-787 MHz”

10. Test Plan

No test plan was provided. Instructions were provided by personnel from Cala Health, Inc and used in conjunction with the FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247, Innovation, Science, and Economic Development Canada, RSS-247, and ANSI C63.4-2014 specifications.

11. Deviation, Additions to, or Exclusions from Test Specifications

There were no deviations, additions to, or exclusions from the test specifications during this test series.

12. Laboratory Conditions

The ambient parameters of the laboratory during testing were as follows:

Ambient Parameters	Value
Temperature	22°C
Relative Humidity	28%
Atmospheric Pressure	1025.1mb

13. Summary

The following EMC tests were performed, and the results are shown below:

Test Description	Requirements	Test Method	S/N	Results
Transmitter Conducted Emissions (AC Mains)	FCC 15.107 ISED RSS-GEN	ANSI C63.10:2013	BA00067	Conforms
6dB Bandwidth	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	BA00067	Conforms
Occupied Bandwidth (99%)	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	BA00067	Conforms
Effective Isotropic Radiated Power (EIRP)	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	BA00067	Conforms

Case Spurious Radiated Emissions	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	BA00067	Conforms
Band-Edge Compliance	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	BA00067	Conforms
Power Spectral Density	FCC 15.247 ISED RSS-247	ANSI C63.10:2013	BA00067	Conforms
Module Integration – Emissions Test	FCC Part 24,27 ISED RSS-133, 130	C63.26:2015	BA00067	Conforms

14. Sample Calculations

For Powerline Conducted Emissions:

The resultant voltage level (VL) is a summation in decibels (dB) of the receiver meter reading (MTR) and the cable loss factor (CF).

Formula 1: VL (dBµV) = MTR (dBµV) + CF (dB).

For Radiated Emissions:

The resultant field strength (FS) is a summation in decibels (dB) of the receiver meter reading (MTR), the antenna correction factor (AF), and the cable loss factor (CF). If an external preamplifier is used, the total is reduced by its gain (-PA). If a distance correction (DC) is required, it is added to the total.

Formula 1: FS (dBµV/m) = MTR (dBµV) + AF (dB/m) + CF (dB) + (- PA (dB)) + DC (dB)

To convert the Field Strength dBµV/m term to µV/m, the dBµV/m is first divided by 20. The Base 10 AntiLog is taken of this quotient. The result is the Field Strength value in µV/m terms.

Formula 2: FS (µV/m) = AntiLog [(FS (dBµV/m))/20]

15. Statement of Conformity

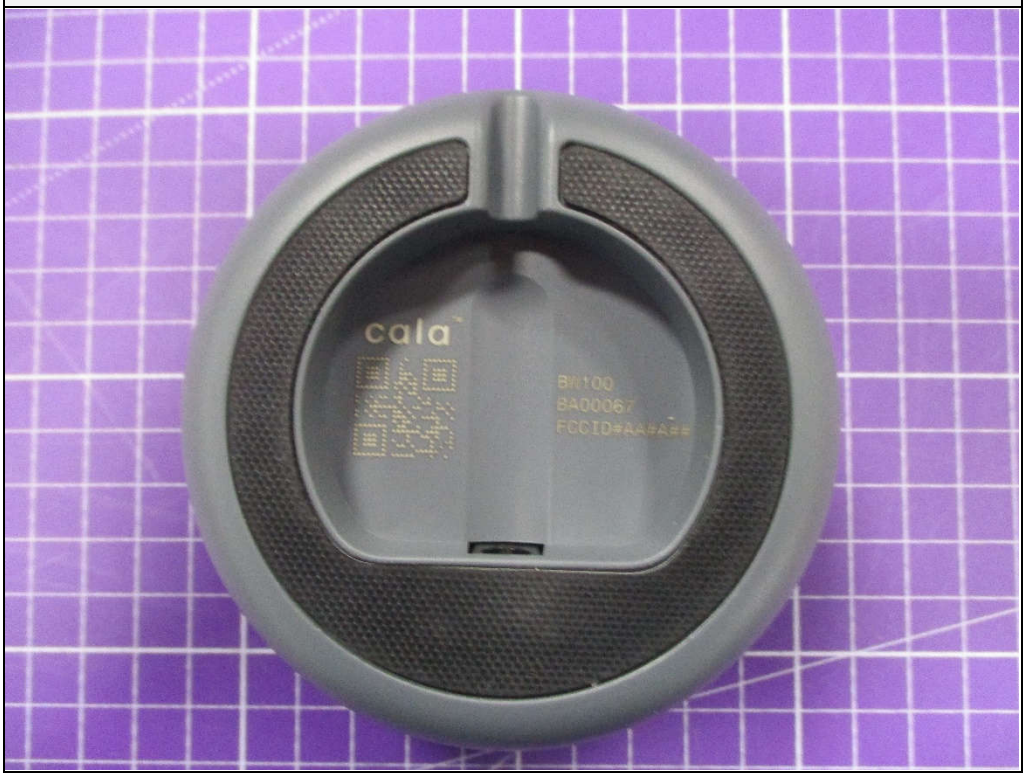
The Cala Health, Inc tremor therapy device charging dock, Model No. BW100, Serial No. BA00067, did fully conform to the selected requirements of FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247 and Innovation, Science, and Economic Development Canada, RSS-247.

Additionally, the host/LTE Cat M1 radio composite system remains in compliance with the FCC "Code of Federal Regulations" Title 47 Part 24, Subpart E, Section 24.238, FCC "Code of Federal Regulations" Title 47 Part 27, Subpart C, Section 27.53, Innovation, Science, and Economic Development Canada, RSS-130 and Innovation, Science, and Economic Development Canada, RSS-133 specifications.

16. Certification

Elite Electronic Engineering Incorporated certifies that the information contained in this report was obtained under conditions which meet or exceed those specified in the FCC "Code of Federal Regulations" Title 47 Part 15, Subpart C, Section 15.247 and Innovation, Science, and Economic Development Canada, RSS-247 test specifications. The data presented in this test report pertains to the EUT on the test date specified. Any electrical or mechanical modifications made to the EUT subsequent to the specified test date will serve to invalidate the data and void this certification.

17. Photographs of EUT



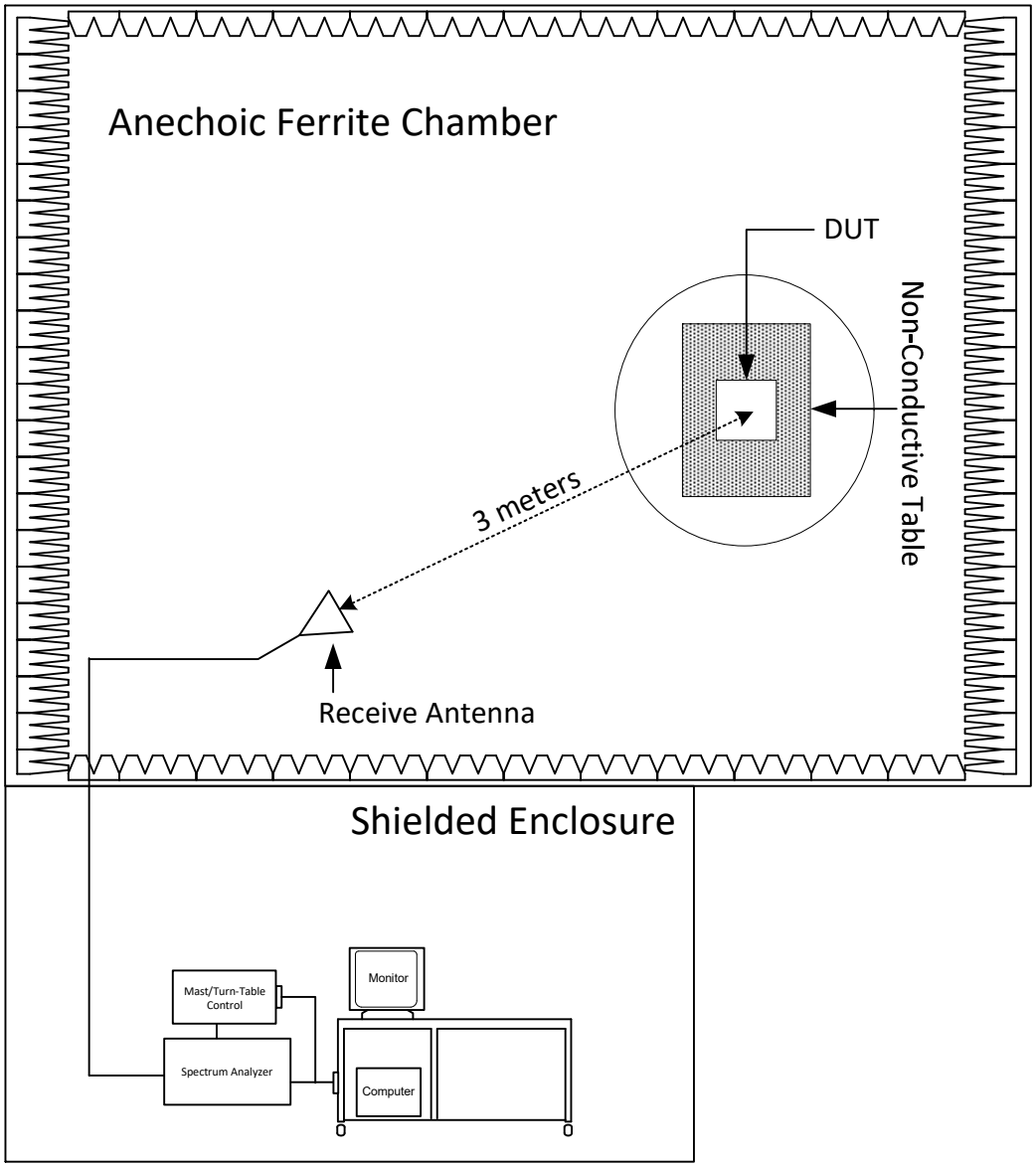
18. Equipment List

Eq ID	Equipment Description	Manufacturer	Model No.	Serial No.	Frequency Range	Cal Date	Due Date
APW14	PREAMPLIFIER	PLANAR	PE2-35-120-5R0-10-12-SFF	PL22671	1-20GHz	9/21/2022	9/21/2023
CDX7	COMPUTER	ELITE	WORKSTATION			N/A	
CDZ3	LAB WORKSTATION	ELITE	LWS-10		WINDOWS 10	CNR	
GRB0	1MHZ, LISN SIGNAL CHECKER	ELITE	LISNCHKR1M	1	1MHZ	12/6/2022	12/6/2024
NLW2	MAGNETIC FIELD PROBE	ELECTRO-METRICS	MFC-25	---	20MHZ-230MHZ	NOTE 1	
NTA3	BILOG ANTENNA	TESEQ	6112D	32853	25-1000MHz	11/17/2022	11/17/2024
NWQ1	DOUBLE RIDGED WAVEGUIDE ANTENNA	ETS-LINDGREN	3117	66655	1GHZ-18GHZ	5/26/2022	5/26/2024
PLF2	CISPR16 50UH LISN	ELITE	CISPR16/70A	002	.15-30MHz	4/5/2022	4/5/2023
PLF4	CISPR16 50UH LISN	ELITE	CISPR16/70A	003	.15-30MHz	4/5/2022	4/5/2023
R29F	3M ANECHOIC CHAMBER NSA	EMC TEST SYSTEMS	3M ANECHOIC		30MHZ-18GHZ	3/25/2022	3/25/2023
RBF2	WIDEBAND RADIO COMM. TESTER	ROHDE & SCHWARZ	CMW500	121396	---	3/7/2022	3/7/2024
RBG2	EMI ANALYZER	ROHDE & SCHWARZ	ESW44	101591	2HZ-44GHZ	3/31/2022	3/31/2023
RBH5	EMI ANALYZER	ROHDE & SCHWARZ	ESW26	103068	2HZ-26GHZ	12/8/2022	12/8/2023
SES0	24VDC POWER SUPPLY	P-TRANS	FS-32024-1M	001	18-27VDC	NOTE 1	
T1N1	10DB 20W ATTENUATOR	NARDA	766-10	---	DC-4GHZ	1/6/2022	1/6/2024
VBR8	CISPR EN FCC CE VOLTAGE.exe					N/A	
WKA1	SOFTWARE, UNIVERSAL RCV EMI	ELITE	UNIV_RCV_EMI	1	---	I/O	
XLJ3	5W, 50 OHM TERMINATION	JFW INDUSTRIES	50T-052	---	DC-2GHZ	1/14/2022	1/14/2024
XPQ4	HIGH PASS FILTER	K&L MICROWAVE	11SH10-4800/X20000-O/O	1	4.8-20GHZ	9/7/2021	9/7/2023
XPQ7	HIGH PASS FILTER	K&L MICROWAVE	4IH30-1804/T10000-0	5	1.8-10GHZ	2/2/2023	2/2/2025

N/A: Not Applicable I/O: Initial Only CNR: Calibration Not Required

NOTE 1: For the purpose of this test, the equipment was calibrated over the specified frequency range, pulse rate, or modulation prior to the test or monitored by a calibrated instrument.

19. Block Diagram of Test Setup



Radiated Measurements Test Setup

20. Transmitter Conducted Emissions (AC Mains)

Test Information	
Manufacturer	Cala Health, Inc
Product	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Paired

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Type of Test Site	Shielded Enclosure
Test Site Used	R23P
Notes	None

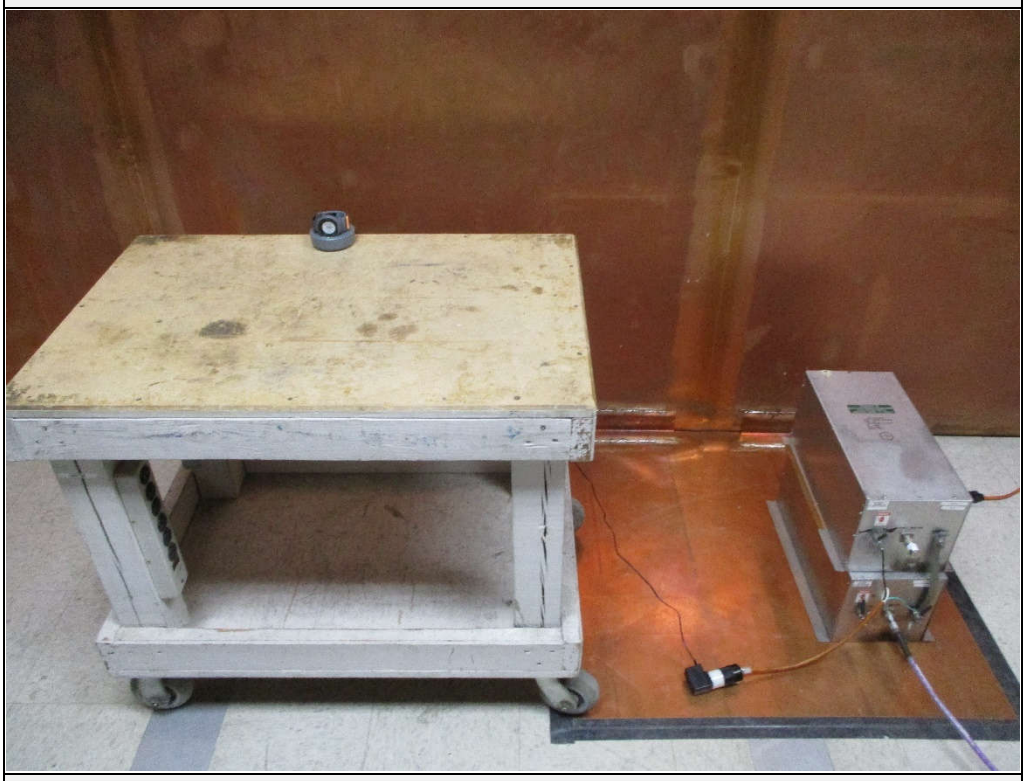
Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Conducted disturbance (mains port) (150 kHz – 30 MHz)	2.7

Requirements
All radio frequency voltages on the power lines for any frequency or frequencies of an intentional radiator shall not exceed the limits in the following table:

Transmitter Conducted Emissions Limits		
Frequency of Emission (MHz)	Conducted Limits (dBµV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56-46*
0.5 – 5	56	46
5 – 30	60	50
* The lower limit shall apply at the transition frequencies.		

Procedure
The interference on each power lead of the EUT was measured by connecting the measuring equipment to the appropriate meter terminal of the Line Impedance Stabilization Network (LISN). The meter terminal of the LISN not under test was terminated with 50 ohms. 1) The EUT was operated in the Paired mode. 2) Measurements were first made on the high line. 3) The frequency range from 150kHz to 30MHz was broken up into smaller frequency sub-bands. 4) Conducted emissions measurements were taken on the first frequency sub-band using a peak detector. 5) The data thus obtained was then searched by the computer for the highest levels. Any emissions levels that were within 10dB of the average limit were then measured again using both a quasi-peak detector and an average detector. (If no peak readings were within 10dB of the average limit, quasi-peak and average readings were taken on the highest emissions levels measured during the peak detector scan.) 6) Steps (4) and (5) were repeated for the remainder of the frequency sub-bands until the entire frequency range from 150kHz to 30MHz was investigated. The peak trace was automatically plotted. The plot also shows quasi-peak and average readings that were taken on discrete frequencies. A table showing the quasi-peak and average readings was also generated. This tabular data compares the quasi-peak and average conducted emissions to the applicable conducted emissions limits. The resultant voltage level (VL) is a summation in decibels (dB) of the receiver meter reading (MTR) and the cable loss factor (CF). Formula 1: VL (dBµV) = MTR (dBµV) + CF (dB) 7) Steps (3) through (6) were repeated on the neutral line.

Test Setup for RF Conducted Emissions (AC Mains)



Test Setup for RF Conducted Emissions (AC Mains)

FCC Part 15 Subpart B Conducted Emissions Test

Significant Emissions Data

VBR8 01/04/2023

Manufacturer	:	Cala Health, Inc
Model	:	BW100
DUT Revision	:	NA
Serial Number	:	BA00067
DUT Mode	:	Paired
Line Tested	:	Line
Scan Step Time [ms]	:	30
Meas. Threshold [dB]	:	-3
Notes	:	Paired, NFC On
Test Engineer	:	J. Cardenas
Limit	:	Class B
Test Date	:	Feb 10, 2023 11:17:03 AM
Data Filter	:	Up to 80 maximum levels detected with 6 dB level excursion threshold over 3 dB margin below limit.

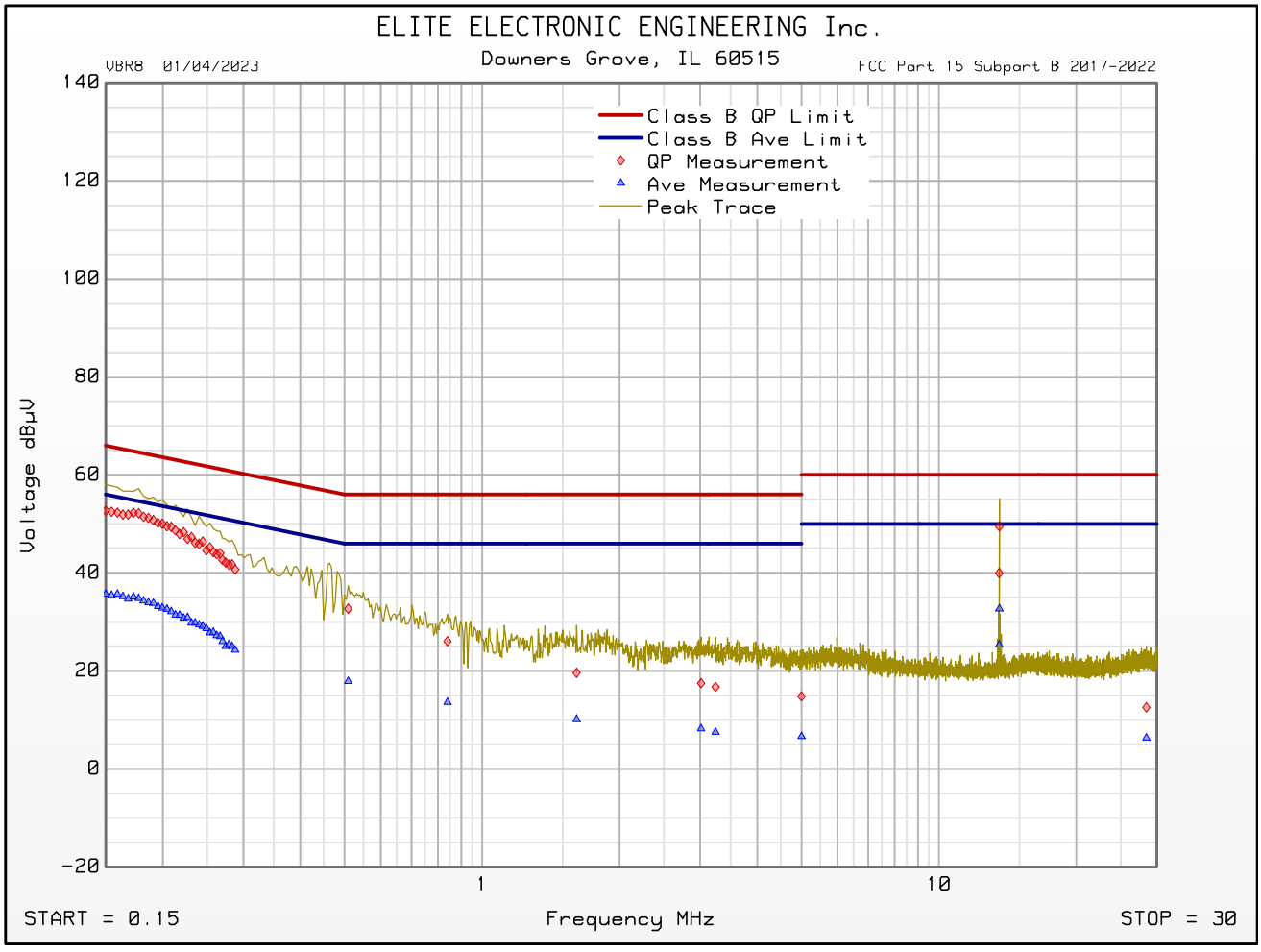
Freq MHz	Quasi-peak Level dBµV	Quasi-peak Limit dBµV	Excessive Quasi-peak Emissions	Average Level dBµV	Average Limit dBµV	Excessive Average Emissions
0.177	52.2	64.6		34.8	54.6	
0.270	42.6	61.1		26.0	51.1	
0.509	32.7	56.0		17.9	46.0	
0.840	26.0	56.0		13.6	46.0	
1.610	19.6	56.0		10.1	46.0	
3.015	17.5	56.0		8.2	46.0	
3.244	16.7	56.0		7.5	46.0	
5.000	14.8	56.0		6.6	46.0	
13.559	49.5	60.0		32.6	50.0	
28.450	12.6	60.0		6.3	50.0	

FCC Part 15 Subpart B Conducted Emissions Test

Cumulative Data

VBR8 01/04/2023

Manufacturer	:	Cala Health, Inc
Model	:	BW100
DUT Revision	:	NA
Serial Number	:	BA00067
DUT Mode	:	Paired
Line Tested	:	Line
Scan Step Time [ms]	:	30
Meas. Threshold [dB]	:	-3
Notes	:	Paired, NFC On
Test Engineer	:	J. Cardenas
Limit	:	Class B
Test Date	:	Feb 10, 2023 11:17:03 AM



Emissions Meet QP Limit
Emissions Meet Ave Limit

FCC Part 15 Subpart B Conducted Emissions Test

Significant Emissions Data

VBR8 01/04/2023

Manufacturer	:	Cala Health, Inc
Model	:	BW100
DUT Revision	:	NA
Serial Number	:	BA00067
DUT Mode	:	Paired
Line Tested	:	Neutral
Scan Step Time [ms]	:	30
Meas. Threshold [dB]	:	-3
Notes	:	Paired, NFC On
Test Engineer	:	J. Cardenas
Limit	:	Class B
Test Date	:	Feb 10, 2023 11:22:27 AM
Data Filter	:	Up to 80 maximum levels detected with 6 dB level excursion threshold over 3 dB margin below limit.

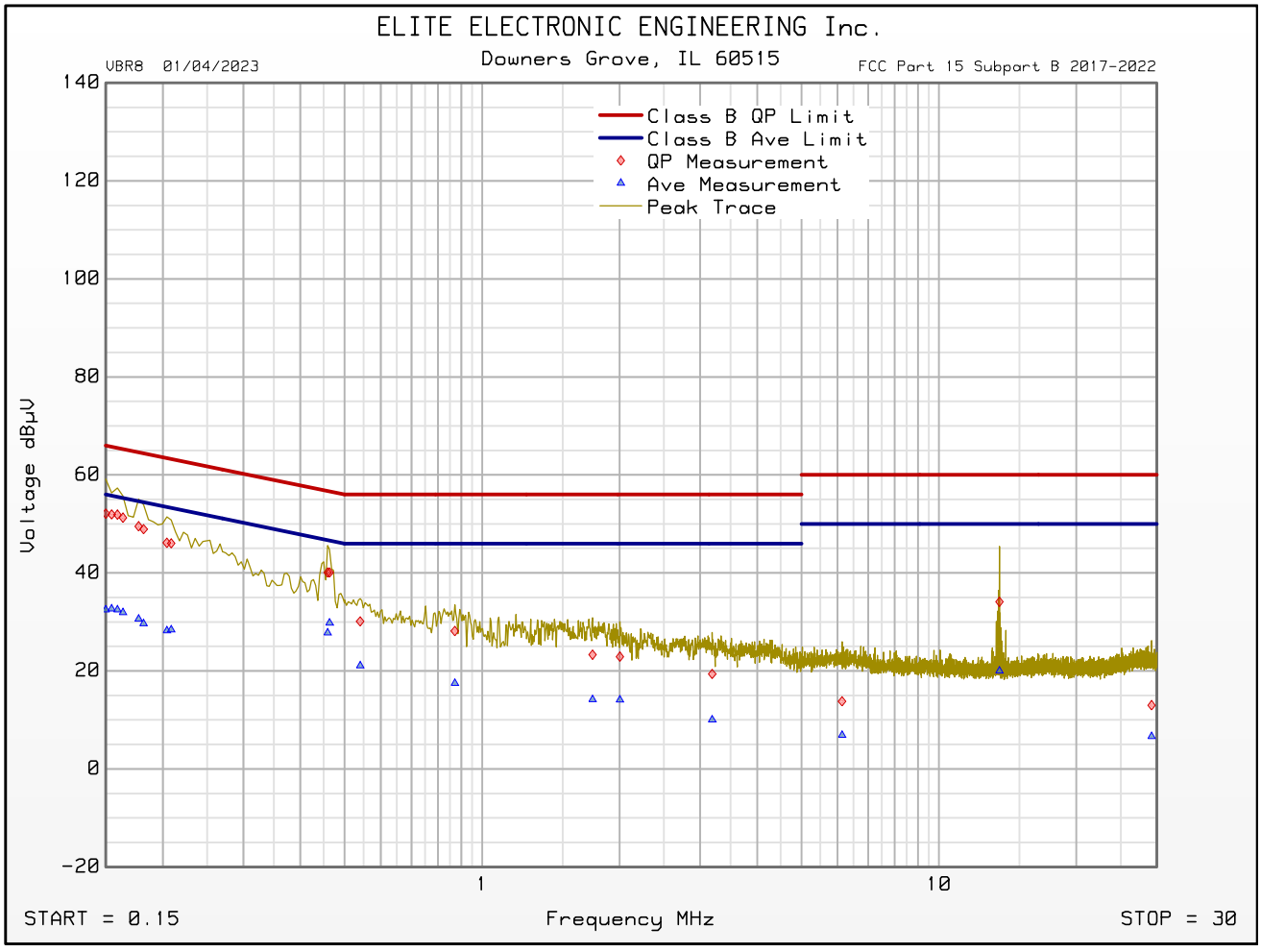
Freq MHz	Quasi-peak Level dBµV	Quasi-peak Limit dBµV	Excessive Quasi-peak Emissions	Average Level dBµV	Average Limit dBµV	Excessive Average Emissions
0.159	51.9	65.5		32.5	55.5	
0.464	40.1	56.6		29.8	46.6	
0.541	30.1	56.0		21.1	46.0	
0.871	28.1	56.0		17.5	46.0	
1.745	23.3	56.0		14.2	46.0	
2.003	22.9	56.0		14.1	46.0	
3.190	19.4	56.0		10.0	46.0	
6.134	13.8	60.0		6.9	50.0	
13.568	34.1	60.0		20.0	50.0	
29.215	13.0	60.0		6.7	50.0	

FCC Part 15 Subpart B Conducted Emissions Test

Cumulative Data

VBR8 01/04/2023

Manufacturer	:	Cala Health, Inc
Model	:	BW100
DUT Revision	:	NA
Serial Number	:	BA00067
DUT Mode	:	Paired
Line Tested	:	Neutral
Scan Step Time [ms]	:	30
Meas. Threshold [dB]	:	-3
Notes	:	Paired, NFC On
Test Engineer	:	J. Cardenas
Limit	:	Class B
Test Date	:	Feb 10, 2023 11:22:27 AM



Emissions Meet QP Limit
Emissions Meet Ave Limit

21. 6dB Bandwidth

EUT Information	
Manufacturer	Cala Health, Inc
Product	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx

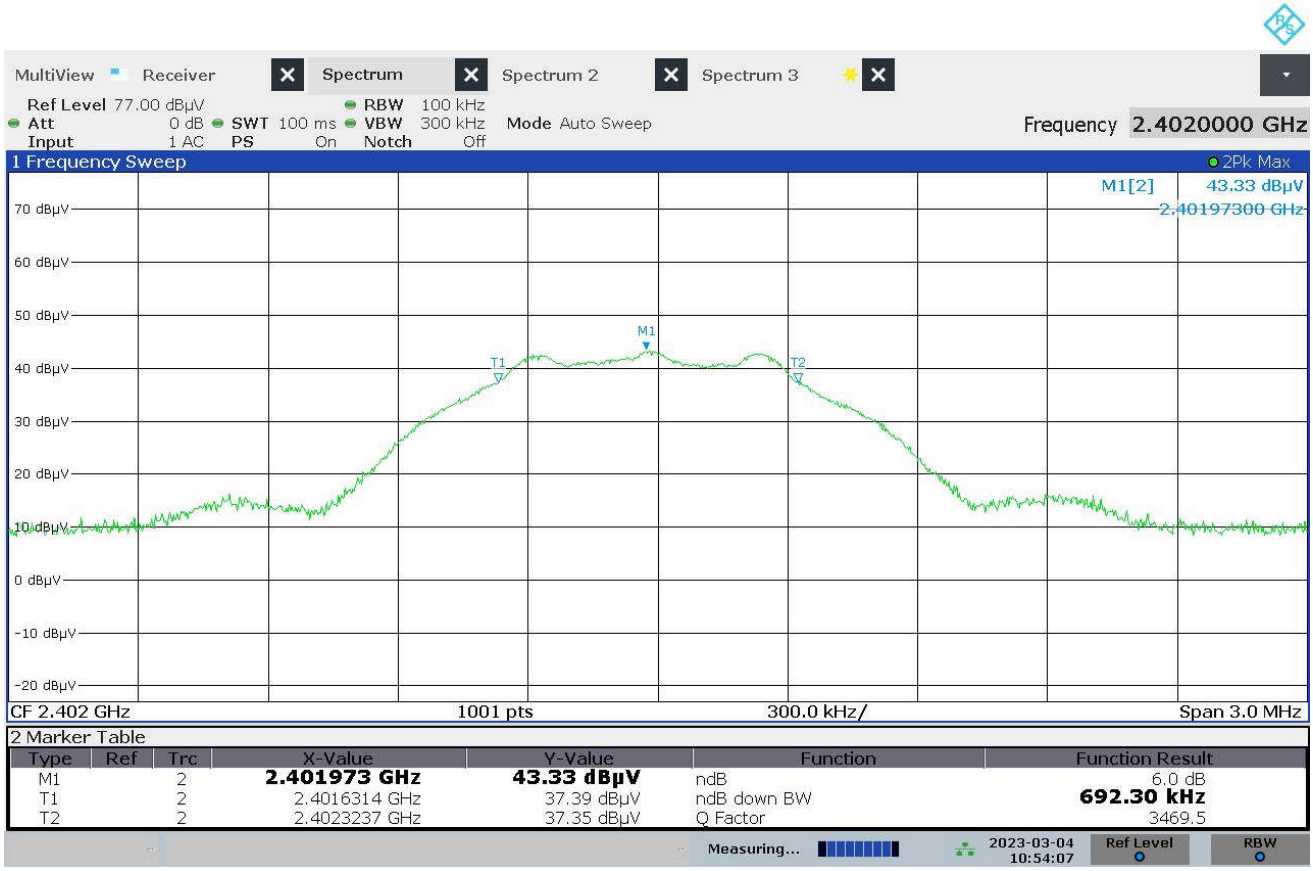
Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Radiated
Type of Test Site	Tabletop
Notes	None

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1000 MHz)	4.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1

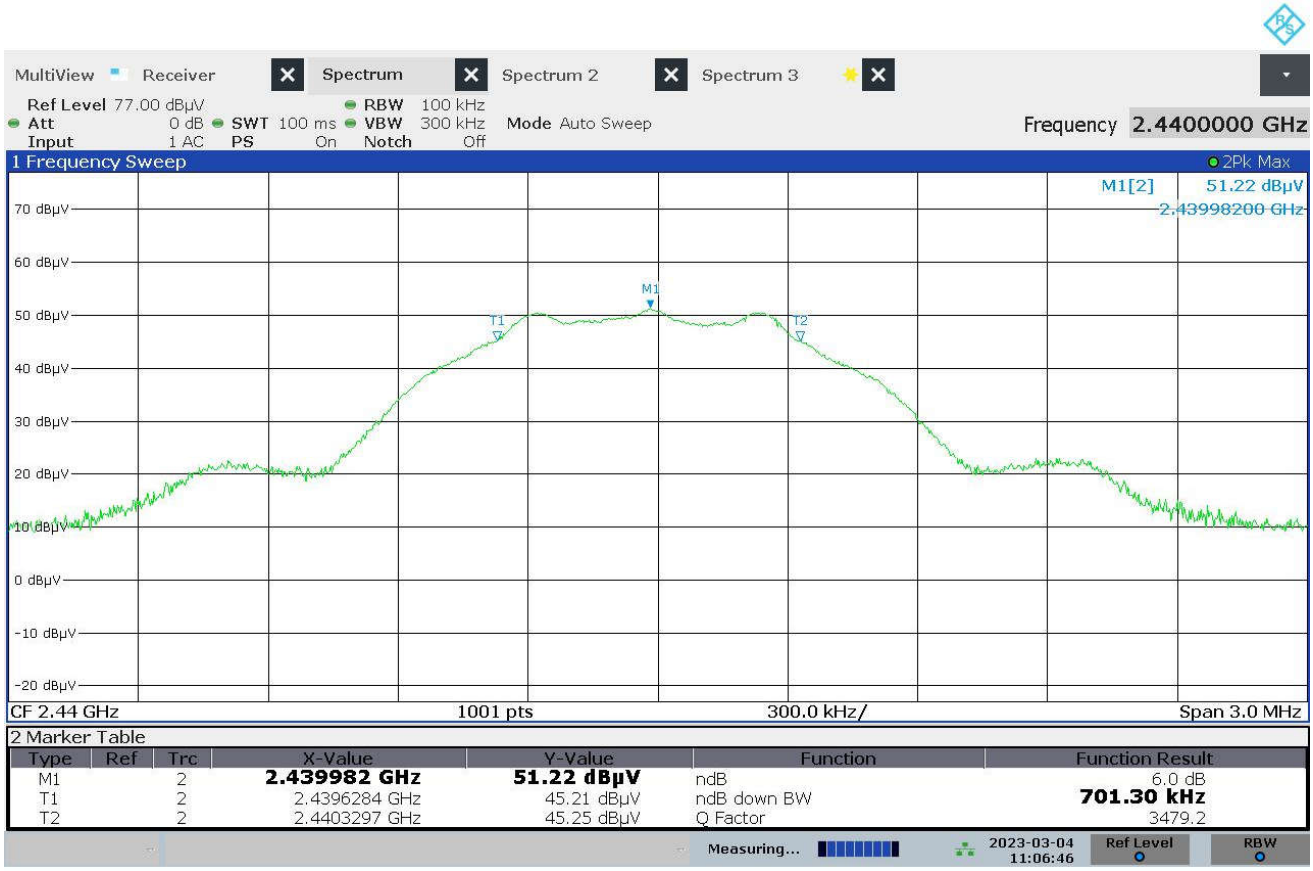
Requirements
Systems using digital modulation techniques shall have a minimum 6dB bandwidth of 500kHz.

Procedure
The EUT was allowed to transmit continuously. The transmit channel was set separately to low, middle, and high channels. The resolution bandwidth (RBW) was set to 100kHz, the video bandwidth (VBW) was set to the same as or 3 times greater than the RBW, and the span was set to 3 times the RBW. The 'Max-Hold' function was engaged. The analyzer was allowed to scan until the envelope of the transmitter bandwidth was defined. The analyzer's display was then screenshot and saved.

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Result	6dB BW = 692.3kHz
Notes	PRBS9



Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Result	6dB BW = 701.3kHz
Notes	PRBS9



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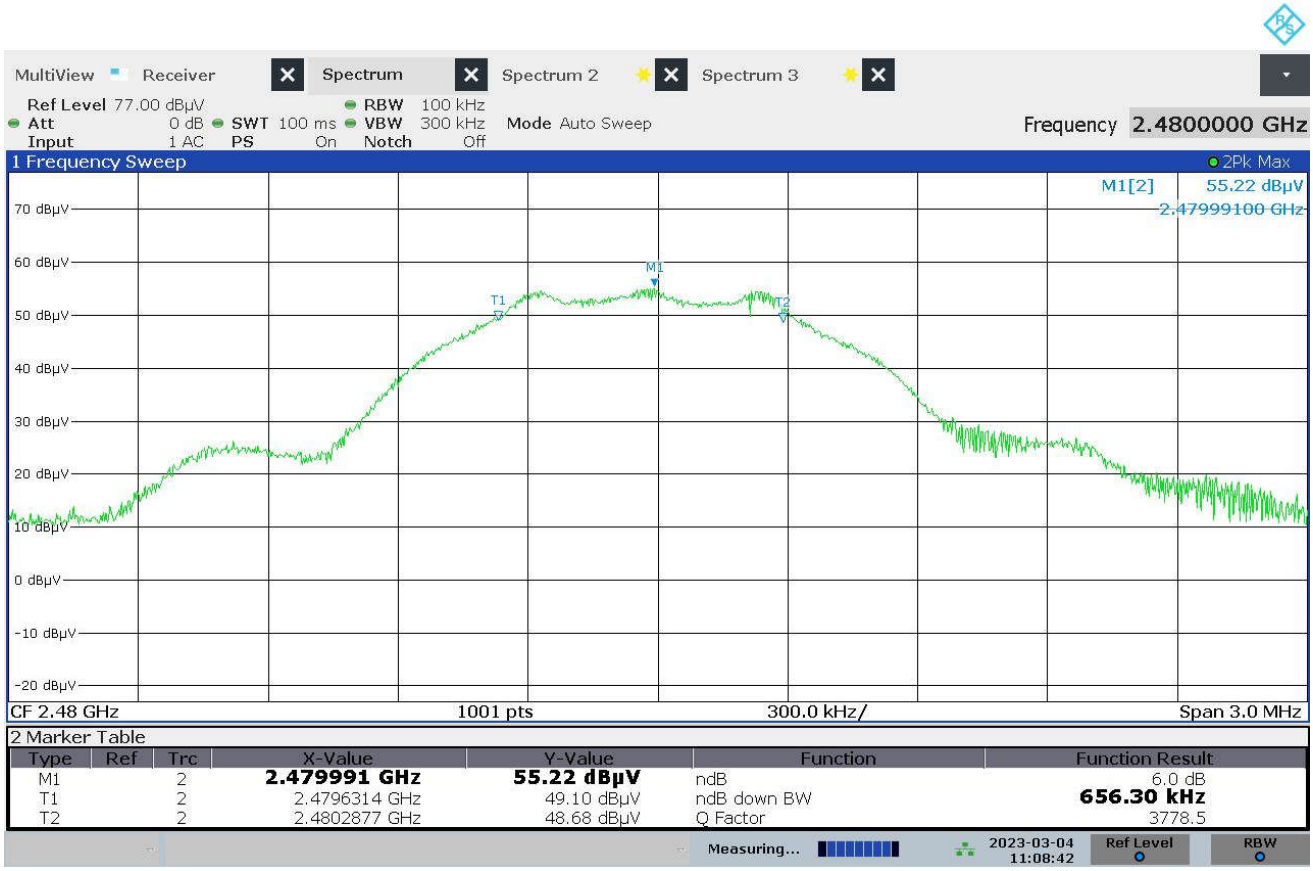
Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Result	6dB BW = 656.3kHz
Notes	PRBS9



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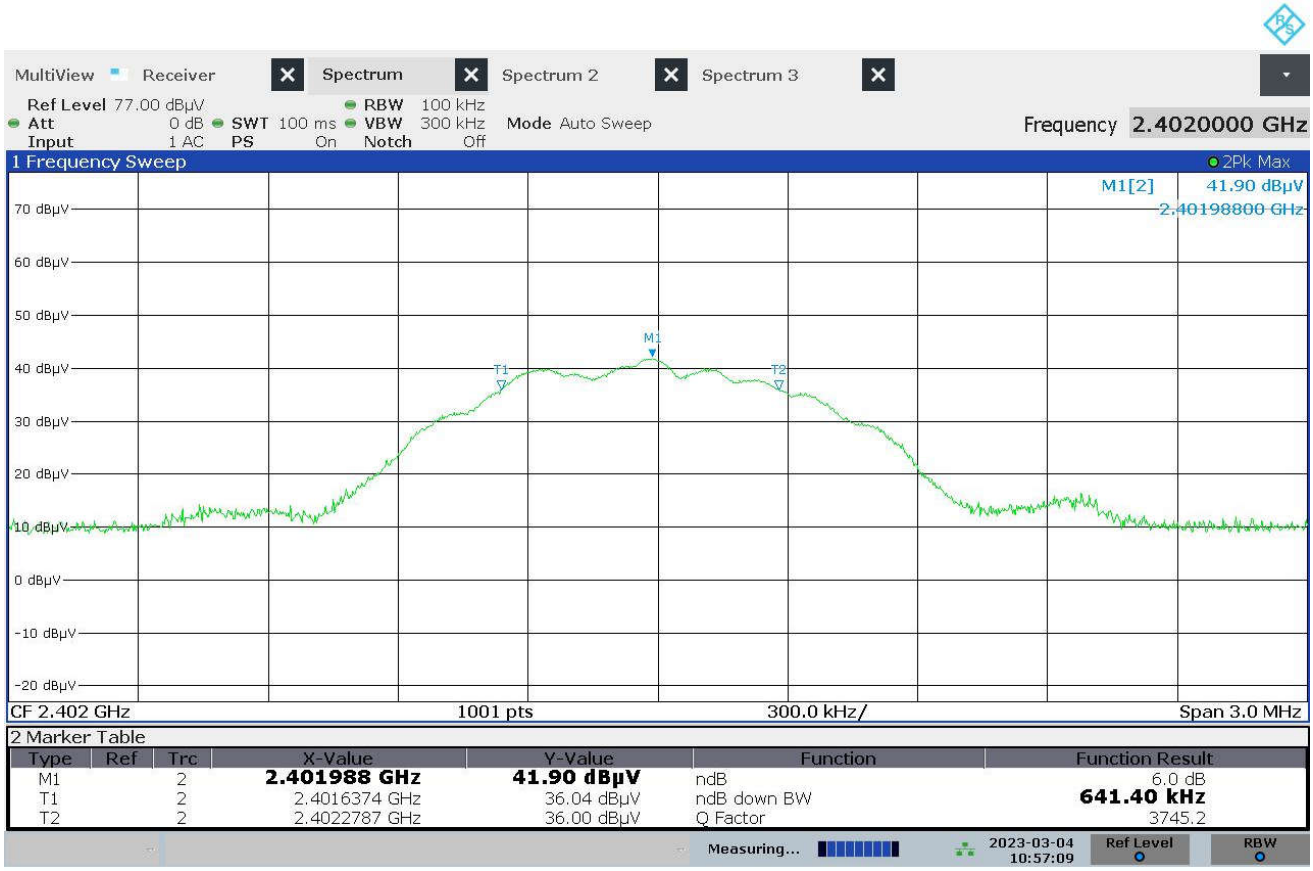
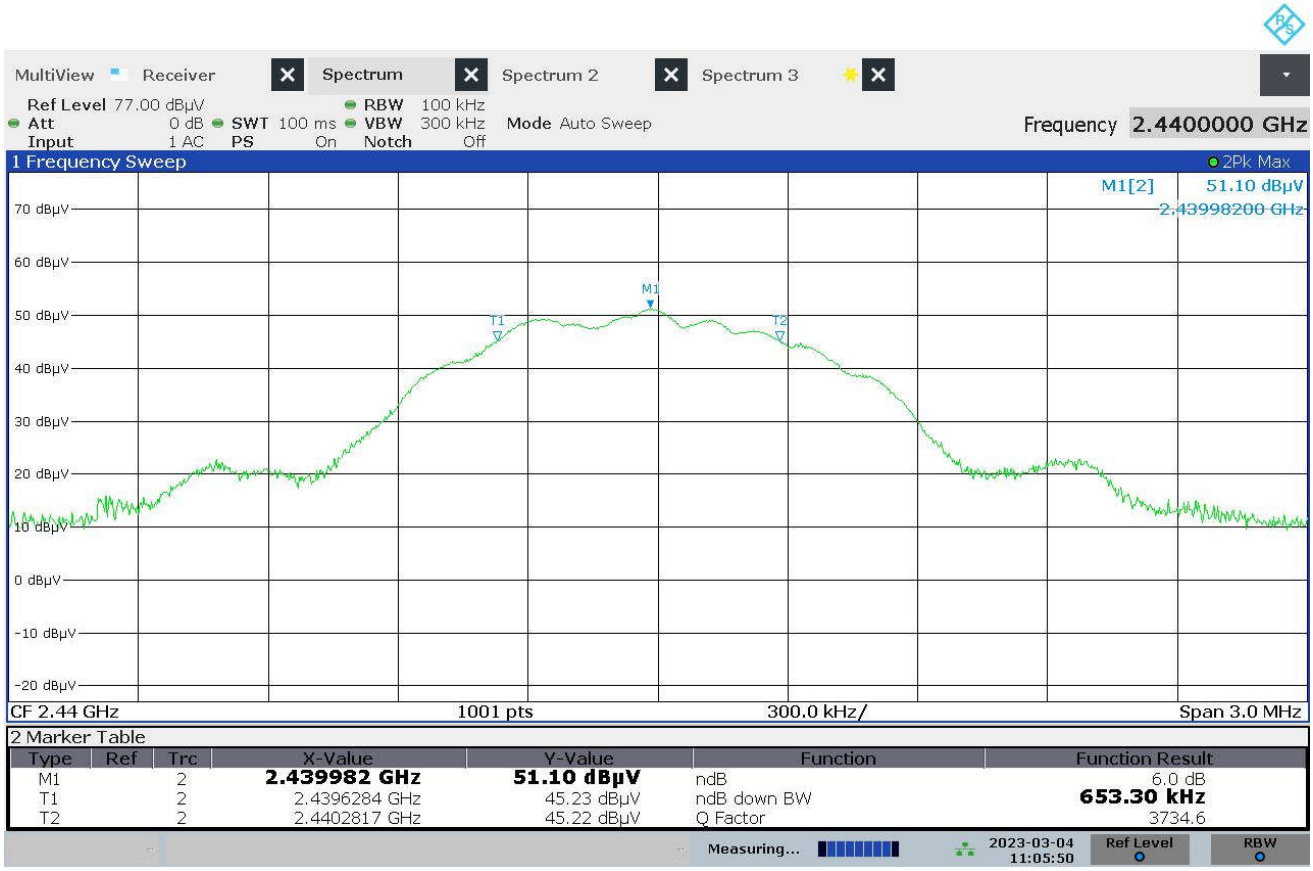
Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Result	6dB BW = 641.4kHz
Notes	11110000 Pattern



Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Result	6dB BW = 653.3kHz
Notes	11110000 Pattern



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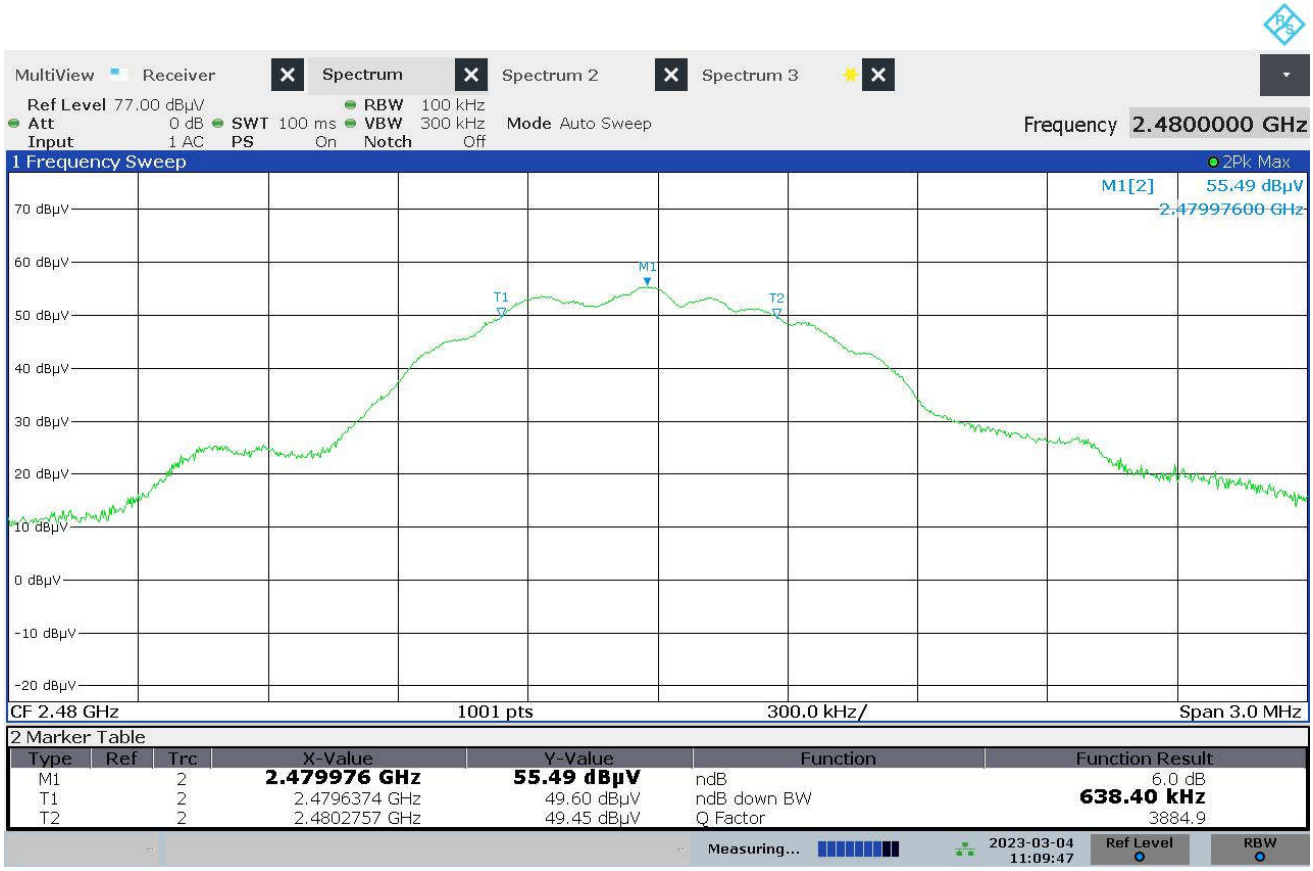
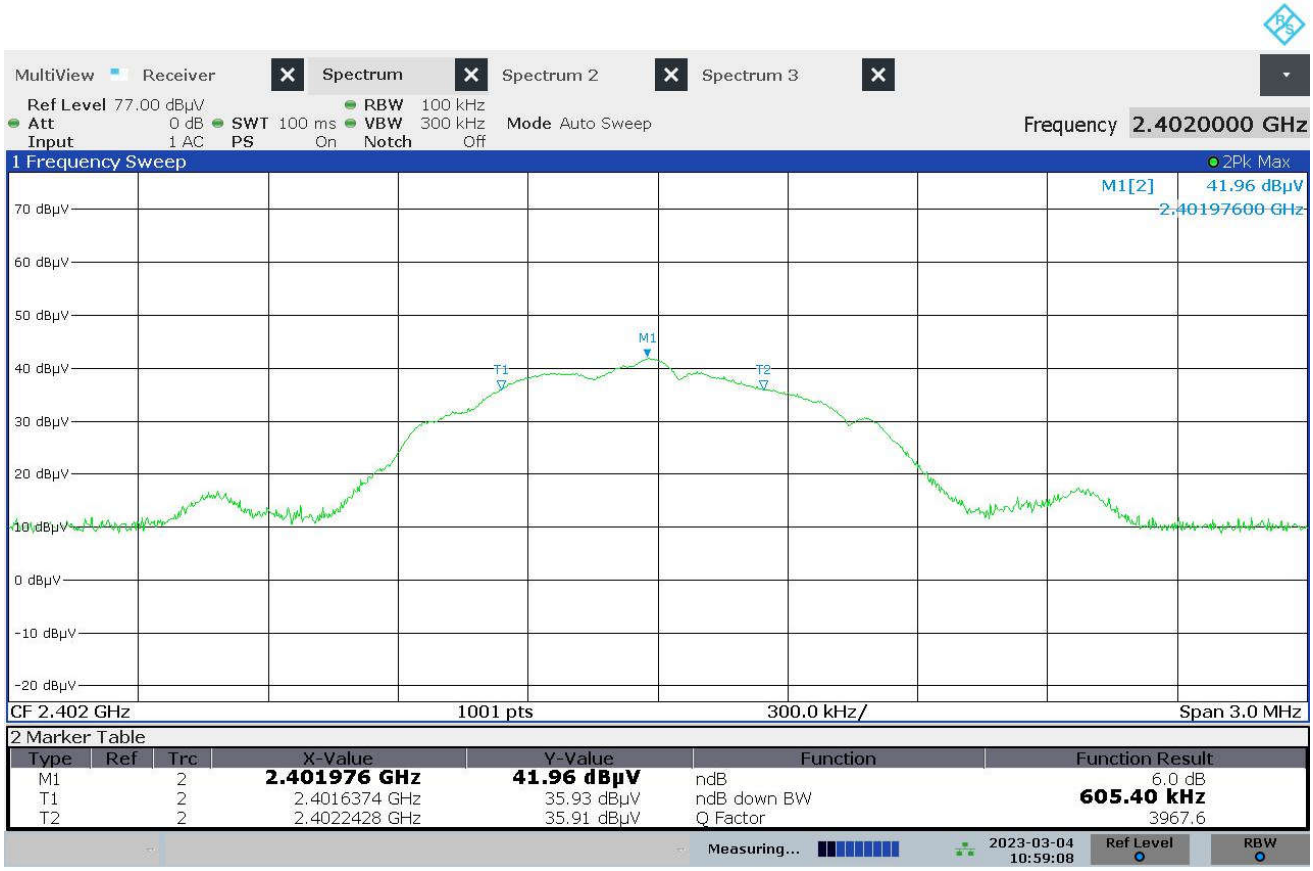
Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Result	6dB BW = 638.4kHz
Notes	11110000 Pattern



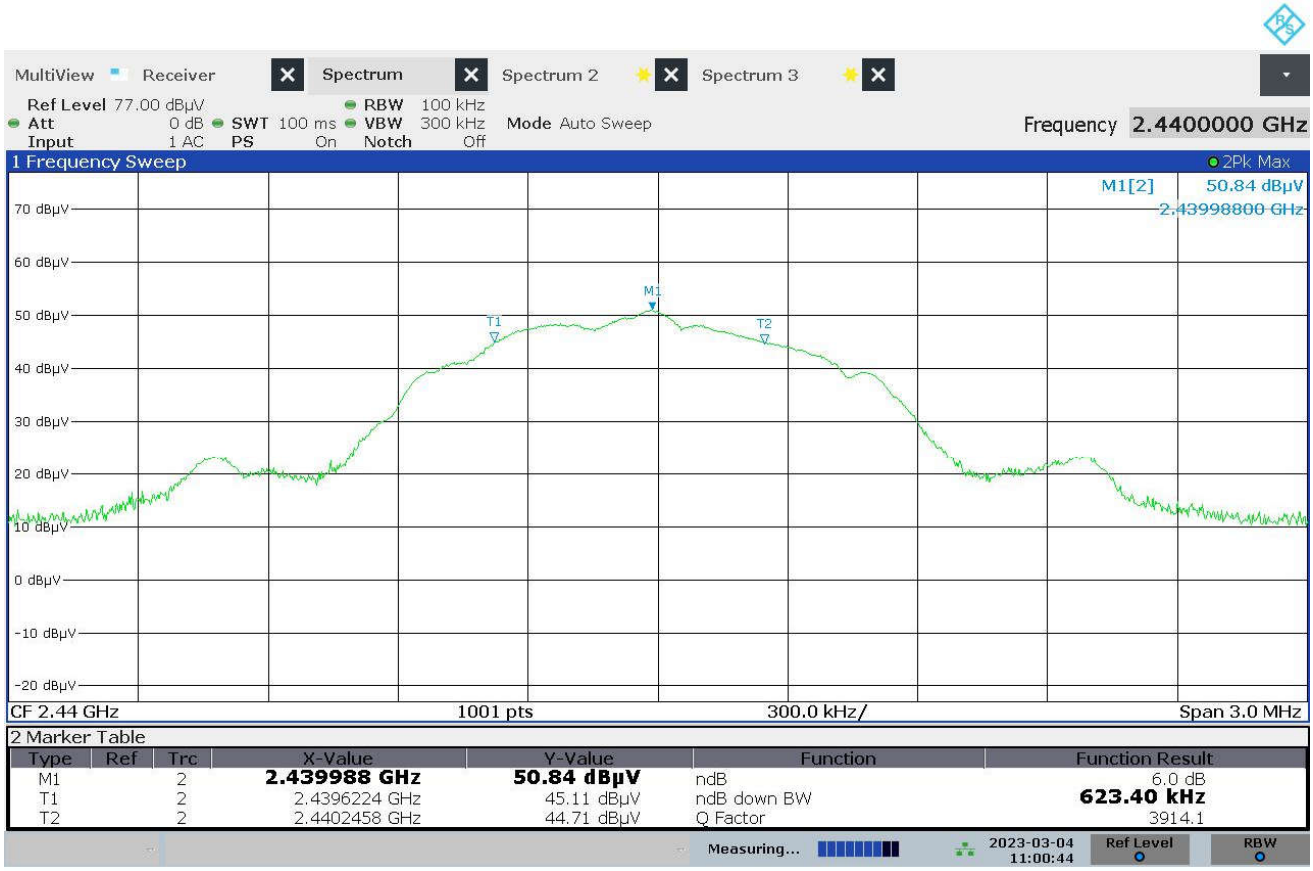
11:09:48 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Result	6dB BW = 605.4kHz
Notes	10101010 Pattern



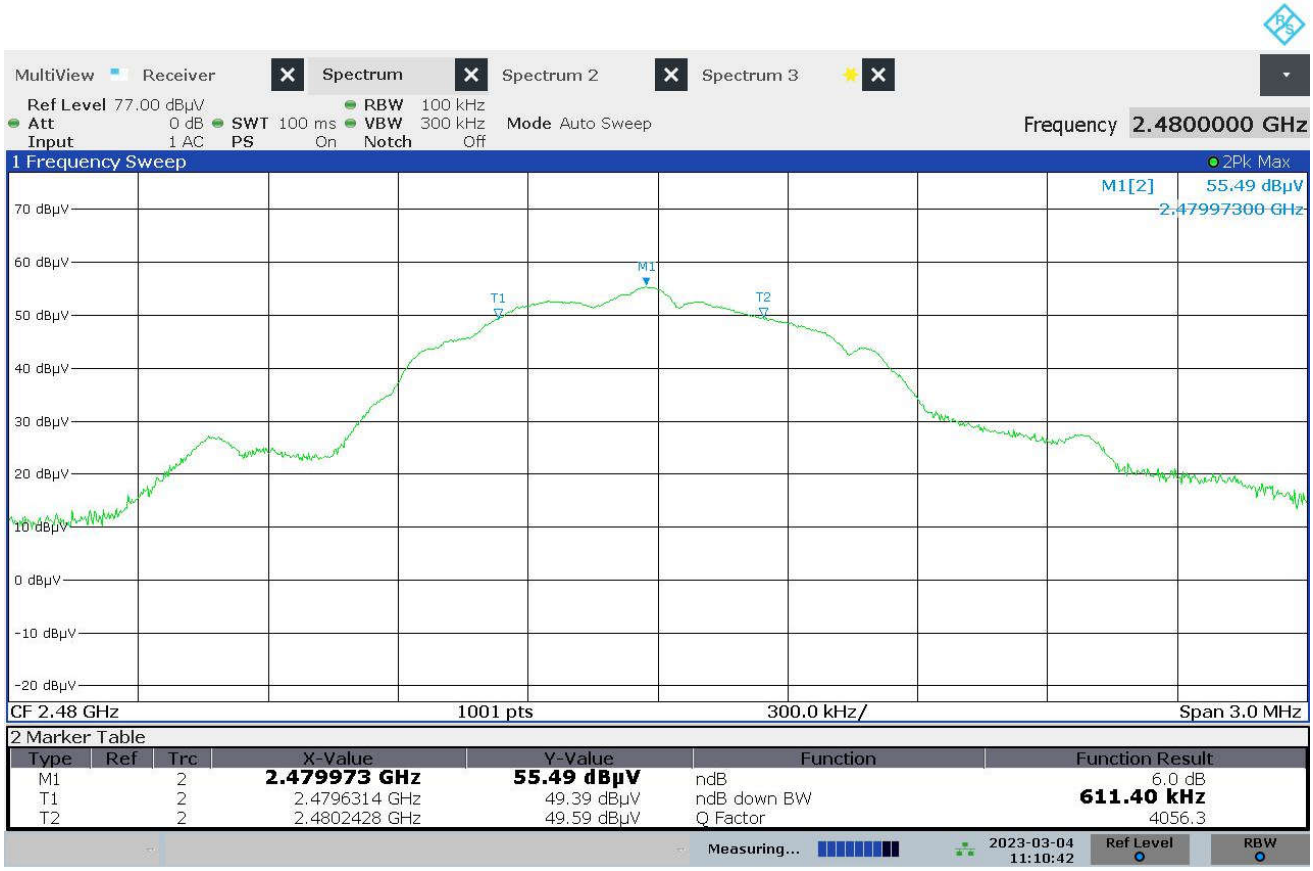
10:59:08 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Result	6dB BW = 623.4kHz
Notes	10101010 Pattern



11:00:45 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Result	6dB BW = 611.4kHz
Notes	10101010 Pattern



11:10:42 AM 03/04/2023

22. Occupied Bandwidth (99%)

EUT Information	
Manufacturer	Cala Health, Inc
Product	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Radiated
Type of Test Site	Tabletop
Notes	None

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1000 MHz)	4.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1

Procedure
The EUT was allowed to transmit continuously. The transmit channel was set separately to low, middle, and high channels. The resolution bandwidth (RBW) was set to 1% to 5% of the actual occupied / x dB bandwidth, the video bandwidth (VBW) was set 3 times greater than the RBW, and the span was set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency. The 'Max-Hold' function was engaged. The analyzer was allowed to scan until the envelope of the transmitter bandwidth was defined. The analyzer's display was plotted using a 'screen dump' utility.

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Result	OBW = 1.064MHz
Notes	PRBS9

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Result	OBW = 1.052MHz
Notes	PRBS9

11:07:28 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Result	OBW = 1.047MHz
Notes	PRBS9

11:09:19 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Result	OBW = 1.062MHz
Notes	11110000 Pattern

10:58:10 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Result	OBW = 1.034MHz
Notes	11110000 Pattern

11:06:12 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Result	OBW = 1.038MHz
Notes	11110000 Pattern

11:10:06 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Result	OBW = 1.082MHz
Notes	10101010 Pattern

10:59:46 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Result	OBW = 1.063MHz
Notes	10101010 Pattern

11:01:14 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Result	OBW = 1.067MHz
Notes	10101010 Pattern

11:11:23 AM 03/04/2023

23. Effective Isotropic Radiated Power (EIRP)

EUT Information	
Manufacturer	Cala Health, Inc
Product	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Radiated
Type of Test Site	Semi-Anechoic Chamber
Test Site Used	R29F
Type of Antennas Used	Double-ridged waveguide (or equivalent)
Notes	None

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1000 MHz)	4.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1

Requirements
The output power shall not exceed 4W (36dBm).

Procedure
The EUT was placed on the non-conductive stand and set to transmit. A double ridged waveguide antenna for all measurements above 1GHz was placed at a test distance of 3 meters from the EUT. The resolution bandwidth (RBW) of the spectrum analyzer was set to greater than the 6dB bandwidth. The EUT was maximized for worst case emissions (or maximum output power) at the measuring antenna. The maximum meter reading was recorded. The peak power output was measured for the low, middle, and high channels. The equivalent power was determined from the field intensity levels measured at 3 meters using the substitution method. To determine the emission power, a dipole antenna (double ridged waveguide antenna for all measurements above 1GHz) was then set in place of the EUT and connected to a calibrated signal generator. The output of the signal generator was adjusted to match the received level at the spectrum analyzer. The signal level was recorded. The reading was then corrected to compensate for cable loss (and antenna gain for all measurements above 1GHz), as required. The peak power output was calculated for low, middle, and high hopping frequencies.

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Result	Max EIRP = 0.13mW (-8.9dBm)
Notes	None

Freq (MHz)	Ant Pol	Wide BW Meter Reading (dBµV)	Matched Sig Gen Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2402.00	H	52.1	-11.1	5.6	3.4	-8.9	36.0	-44.9
	V	47.5	-14.5	5.6	3.4	-12.3	36.0	-48.3
2440.00	H	51.2	-11.9	5.4	3.5	-9.9	36.0	-45.9
	V	50.7	-11.9	5.4	3.5	-9.1	36.0	-45.1
2480.00	H	50.2	-11.7	5.6	3.5	-9.6	36.0	-45.6
	V	50.2	-11.7	5.6	3.5	-8.9	36.0	-44.9

24. Case Spurious Radiated Emissions

EUT Information	
Manufacturer	Cala Health, Inc
Product	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Type of Test Site	Semi-Anechoic Chamber
Test Site Used	R29F
Type of Antennas Used	Below 1GHz: Bilog (or equivalent) 1 – 18GHz: Double-Ridged Waveguide (or equivalent) Above 18GHz: Horn (or equivalent)
Notes	N/A

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1000 MHz)	4.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1
Radiated disturbance (electric field strength on an open area test site or alternative test site) (6 GHz – 18 GHz)	3.2
Radiated disturbance (electric field strength on an open area test site or alternative test site) (18 GHz – 26.5 GHz)	3.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (26.5 GHz – 40 GHz)	3.4

Procedure

Radiated measurements were performed in a 32ft. x 20ft. x 14ft. high shielded enclosure. The shielded enclosure prevents emissions from other sources, such as radio and TV stations from interfering with the measurements. All powerlines and signal lines entering the enclosure pass through filters on the enclosure wall. The powerline filters prevent extraneous signals from entering the enclosure on these leads.

Preliminary radiated emissions tests were performed to determine the emission characteristics of the EUT. For the preliminary test, a broadband measuring antenna was positioned at a 3-meter distance from the EUT. The entire frequency range from 30MHz to 25.0GHz was investigated using a peak detector function.

The final open field emission tests were then manually performed over the frequency range of 30MHz to 25.0GHz.

1) For all harmonics not in the restricted bands, the following procedure was used:
   a) The field strength of the fundamental was measured using a double ridged waveguide antenna. The waveguide antenna was positioned at a 3 meter distance from the EUT. The EUT was placed on a 1.5 meter high non-conductive stand. A peak detector with a resolution bandwidth of 100 kHz was used on the spectrum analyzer.
   b) The field strengths of all of the harmonics not in the restricted band were then measured using a double-ridged waveguide antenna. The waveguide antenna was positioned at a 3 meter distance from the EUT. The EUT was placed on a 1.5 meter high non-conductive stand. A peak detector with a resolution bandwidth of 100kHz was used on the spectrum analyzer.
   c) To ensure that maximum or worst case emission levels at the fundamental and harmonics were measured, the following steps were taken when measuring the fundamental emissions and the spurious emissions:
      i) The EUT was rotated so that all of its sides were exposed to the receiving antenna.
      ii) Since the measuring antenna is linearly polarized, both horizontal and vertical field components were measured.
      iii) The measuring antenna was raised and lowered for each antenna polarization to maximize the readings.
      iv) In instances where it was necessary to use a shortened cable between the measuring antenna and the spectrum analyzer, the measuring antenna was not raised or lowered to ensure maximized readings. Instead, the EUT was rotated through all axis to ensure the maximum readings were recorded for the EUT.
   d) All harmonics not in the restricted bands must be at least 20dB below levels measured at the fundamental. However, attenuation below the general limits specified in §15.209(a) is not required.
2) For all emissions in the restricted bands, the following procedure was used:
   a) The field strengths of all emissions below 1GHz were measured using a bi-log antenna. The bi-log antenna was positioned at a 3 meter distance from the EUT. The EUT was placed on an 80cm high non-conductive stand. A peak detector with a resolution bandwidth of 100 kHz was used on the spectrum analyzer.
   b) The field strengths of all emissions above 1GHz were measured using a double-ridged waveguide antenna. The waveguide antenna was positioned at a 3 meter distance from the EUT. The EUT was placed on a 1.5 meter high non-conductive stand. A peak detector with a resolution bandwidth of 1MHz was used on the spectrum analyzer.
   c) To ensure that maximum or worst case emission levels were measured, the following steps were taken when taking all measurements:
      i) The EUT was rotated so that all of its sides were exposed to the receiving antenna.
      ii) Since the measuring antenna is linearly polarized, both horizontal and vertical field components

were measured.

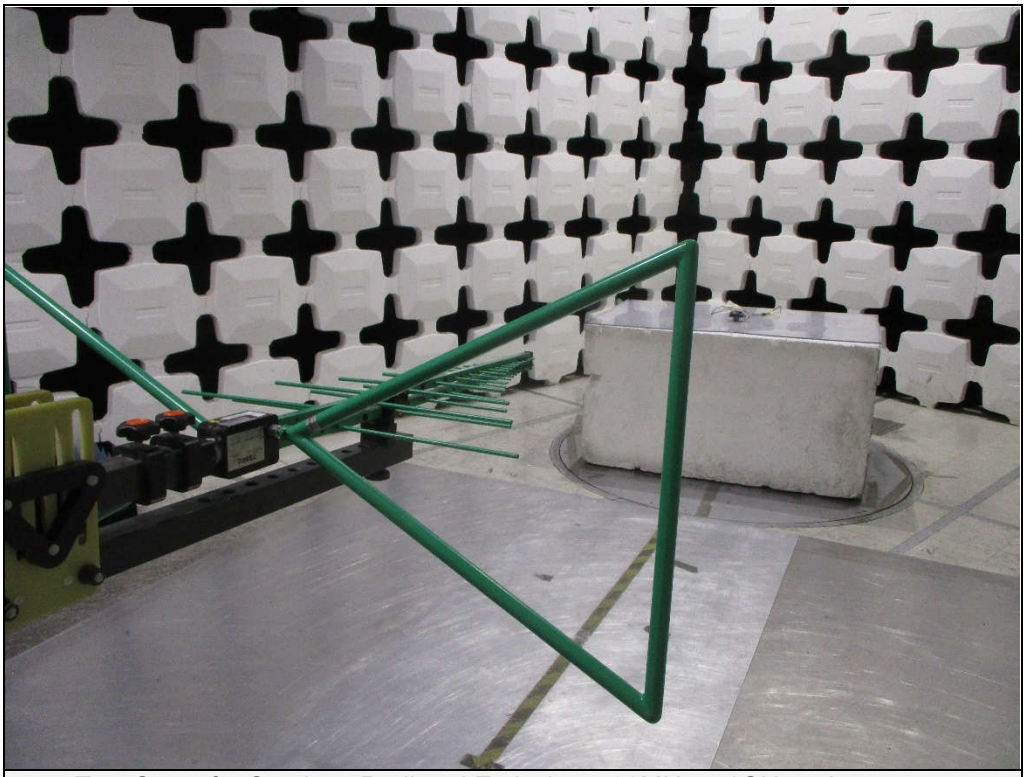
iii) The measuring antenna was raised and lowered for each antenna polarization to maximize the readings.

iv) In instances where it was necessary to use a shortened cable between the measuring antenna and the spectrum analyzer, the measuring antenna was not raised or lowered to ensure maximized readings. Instead, the EUT was rotated through all axis to ensure the maximum readings were recorded for the EUT.

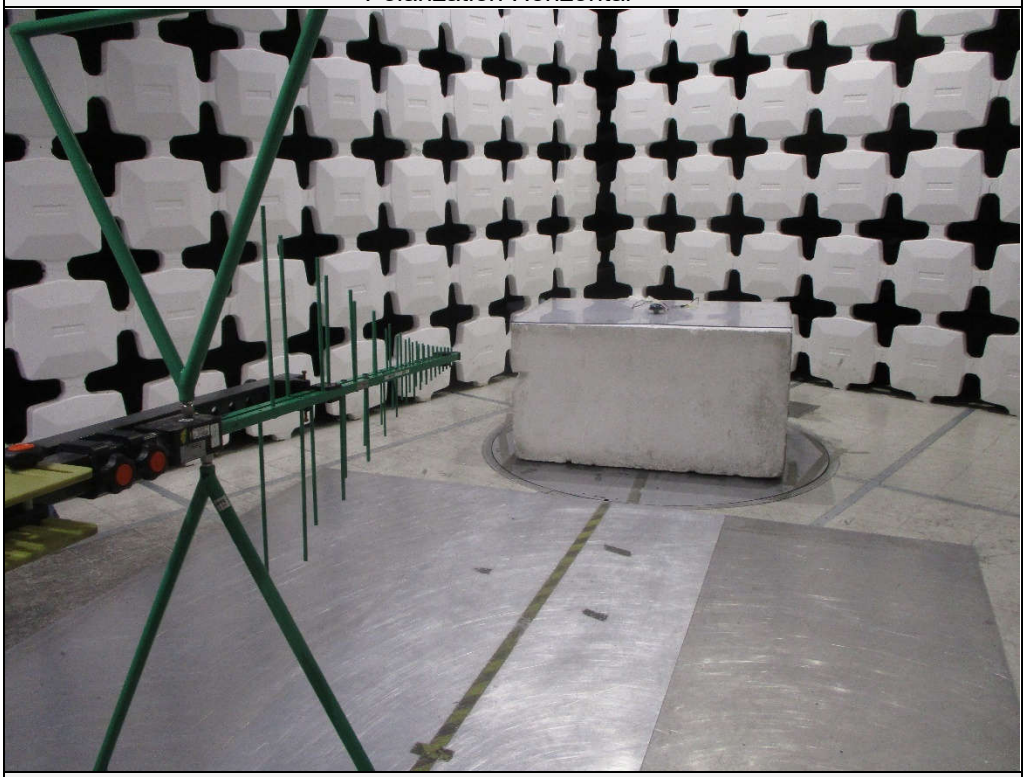
d) For all radiated emissions measurements below 1GHz, if the peak reading is below the limits listed in §15.209(a), no further measurements are required. If, however, the peak readings exceed the limits listed in §15.209(a), then the emissions are remeasured using a quasi-peak detector.

e) For all radiated emissions measurements above 1GHz, the peak readings must comply with the §15.35(b) limits. §15.35(b) states that when average radiated emissions measurements are specified, there also is a limit on the peak level of the radiated emissions. The limit on the peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. Therefore, all peak readings above 1GHz must be no greater than 20dB above the limits specified in §15.209(a).

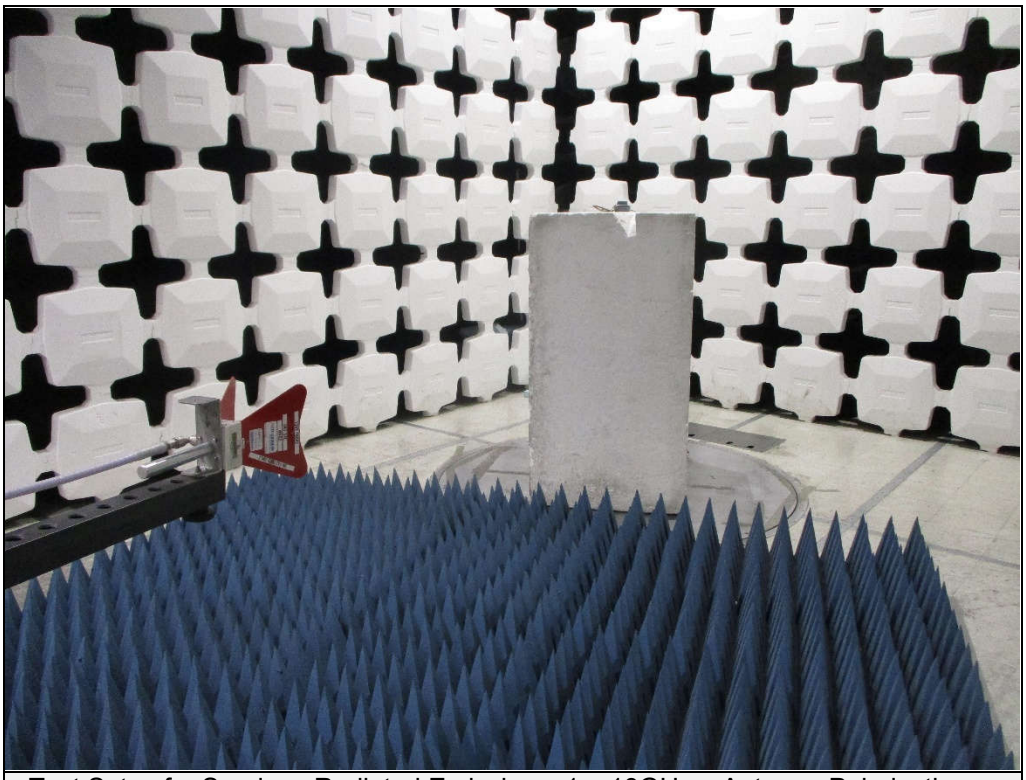
f) Next, for all radiated emissions measurements above 1GHz, the resolution bandwidth was set to 1MHz. The analyzer was set to linear mode with a 10Hz video bandwidth in order to simulate an average detector. An average reading was taken.



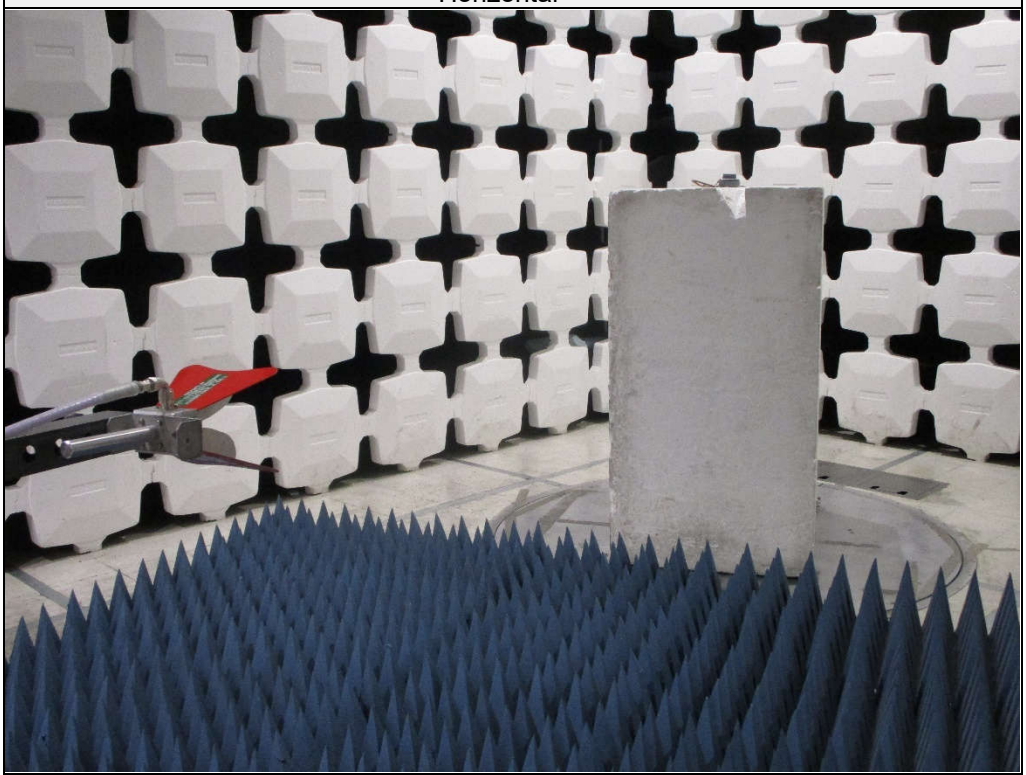
Test Setup for Spurious Radiated Emissions, 30MHz – 1GHz – Antenna Polarization Horizontal



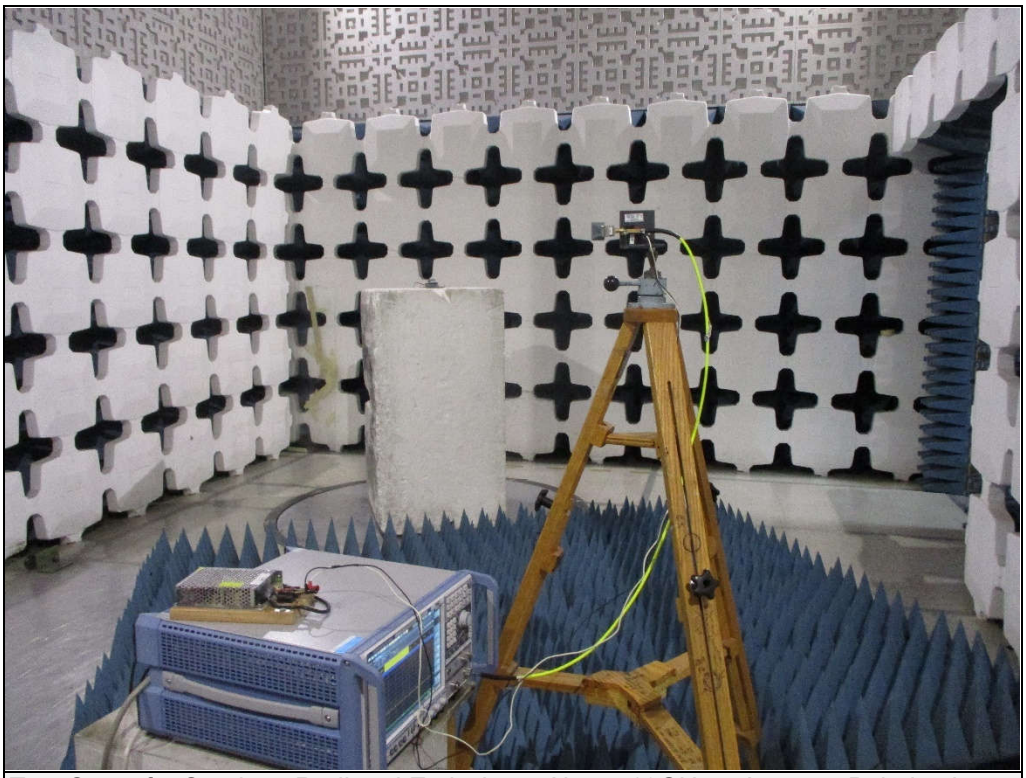
Test Setup for Spurious Radiated Emissions, 30MHz – 1GHz – Antenna Polarization Vertical



Test Setup for Spurious Radiated Emissions, 1 – 18GHz – Antenna Polarization Horizontal



Test Setup for Spurious Radiated Emissions, 1 – 18GHz – Antenna Polarization Vertical



Test Setup for Spurious Radiated Emissions, Above 18GHz – Antenna Polarization Horizontal

Test Setup for Spurious Radiated Emissions, Above 18GHz – Antenna Polarization Vertical

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
4804.00	H	50.0		3.7	36.1	-39.7	50.1	318.1	5000.0	-23.9
	V	48.7		3.7	36.1	-39.7	48.8	274.8	5000.0	-25.2
12010.00	H	48.5	*	6.1	41.5	-39.0	57.1	717.7	5000.0	-16.9
	V	47.4	*	6.1	41.5	-39.0	56.0	628.7	5000.0	-18.0
19216.00	H	40.6	*	2.2	40.4	-29.7	53.5	471.5	5000.0	-20.5
	V	40.7	*	2.2	40.4	-29.7	53.6	478.0	5000.0	-20.4

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBµV/m)	Average Total at 3m (µV/m)	Average Limit at 3m (µV/m)	Margin (dB)
4804.00	H	42.6		3.7	36.1	-39.7	0.0	42.6	135.5	500.0	-11.3
	V	40.4		3.7	36.1	-39.7	0.0	40.4	105.2	500.0	-13.5
12010.00	H	36.9	*	6.1	41.5	-39.0	0.0	45.6	189.7	500.0	-8.4
	V	36.8	*	6.1	41.5	-39.0	0.0	45.4	186.0	500.0	-8.6
19216.00	H	33.4	*	2.2	40.4	-29.7	0.0	46.3	207.2	500.0	-7.7
	V	34.0	*	2.2	40.4	-29.7	0.0	46.9	221.3	500.0	-7.1

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
2402.00	H	51.7		2.6	32.7	0.0	87.0	22356.3	NA	NA
	V	47.2		2.6	32.7	0.0	82.5	13316.8	NA	NA
7206.00	H	44.4		4.6	38.4	-39.7	47.8	245.9	2235.6	-19.2
	V	41.0		4.6	38.4	-39.7	44.4	166.4	2235.6	-22.6
9608.00	H	35.7	*	5.2	39.2	-39.3	40.7	108.6	2235.6	-26.3
	V	37.3	*	5.2	39.2	-39.3	42.4	131.3	2235.6	-24.6
14412.00	H	36.1	*	6.6	41.7	-38.6	45.8	195.1	2235.6	-21.2
	V	37.0	*	6.6	41.7	-38.6	46.7	216.2	2235.6	-20.3
16814.00	H	37.2	*	7.2	44.7	-37.4	51.7	384.7	2235.6	-15.3
	V	36.5	*	7.2	44.7	-37.4	51.0	354.5	2235.6	-16.0
21618.00	H	32.5	*	2.2	40.6	-28.7	46.6	213.7	2235.6	-20.4
	V	33.5	*	2.2	40.6	-28.7	47.6	240.6	2235.6	-19.4
24020.00	H	30.2	*	2.2	40.6	-29.2	43.9	155.8	2235.6	-23.1
	V	29.8	*	2.2	40.6	-29.2	43.5	149.8	2235.6	-23.5

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
4880.00	H	50.8		3.7	36.2	-39.6	51.1	358.3	5000.0	-22.9
	V	49.7		3.7	36.2	-39.6	50.0	316.4	5000.0	-24.0
7320.00	H	51.9		4.7	38.2	-39.6	55.2	573.3	5000.0	-18.8
	V	50.6		4.7	38.2	-39.6	53.8	491.9	5000.0	-20.1
12200.00	H	46.5	*	6.1	41.7	-38.9	55.3	582.4	5000.0	-18.7
	V	47.5	*	6.1	41.7	-38.9	56.3	655.8	5000.0	-17.6
19520.00	H	39.2	*	2.2	40.4	-29.2	52.5	424.0	5000.0	-21.4
	V	41.7	*	2.2	40.4	-29.2	55.1	566.1	5000.0	-18.9

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBµV/m)	Average Total at 3m (µV/m)	Average Limit at 3m (µV/m)	Margin (dB)
4880.00	H	42.6		3.7	36.2	-39.6	0.0	42.8	138.7	500.0	-11.1
	V	40.3		3.7	36.2	-39.6	0.0	40.6	107.1	500.0	-13.4
7320.00	H	45.1		4.7	38.2	-39.6	0.0	48.4	262.7	500.0	-5.6
	V	40.9		4.7	38.2	-39.6	0.0	44.2	161.4	500.0	-9.8
12200.00	H	36.1	*	6.1	41.7	-38.9	0.0	45.0	177.3	500.0	-9.0
	V	36.2	*	6.1	41.7	-38.9	0.0	45.1	179.6	500.0	-8.9
19520.00	H	33.6	*	2.2	40.4	-29.2	0.0	47.0	223.6	500.0	-7.0
	V	35.8	*	2.2	40.4	-29.2	0.0	49.2	288.3	500.0	-4.8

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
2440.00	H	49.9	0.0	2.6	32.9	0.0	85.4	18615.8	NA	NA
	V	49.3	0.0	2.6	32.9	0.0	84.8	17393.3	NA	NA
9760.00	H	36.0	*	5.2	39.3	-39.3	41.3	116.6	2235.6	-25.7
	V	35.8	*	5.2	39.3	-39.3	41.0	112.8	2235.6	-25.9
14640.00	H	36.1	*	6.7	42.1	-38.6	46.3	205.7	2235.6	-20.7
	V	36.2	*	6.7	42.1	-38.6	46.3	207.6	2235.6	-20.6
17080.00	H	35.6	*	7.3	44.5	-37.4	49.9	313.3	2235.6	-17.1
	V	36.3	*	7.3	44.5	-37.4	50.7	342.7	2235.6	-16.3
21960.00	H	33.2	*	2.2	40.6	-28.8	47.1	226.8	2235.6	-19.9
	V	33.6	*	2.2	40.6	-28.8	47.6	239.7	2235.6	-19.4
24400.00	H	30.7	*	2.2	40.6	-29.0	44.5	168.1	2235.6	-22.5
	V	30.5	*	2.2	40.6	-29.0	44.3	163.9	2235.6	-22.7

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Notes	Peak Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
4960.00	H	52.0		3.7	36.2	-39.6	52.3	414.2	5000.0	-21.6
	V	51.5		3.7	36.2	-39.6	51.8	387.5	5000.0	-22.2
7440.00	H	52.2		4.7	38.0	-39.6	55.3	583.8	5000.0	-18.7
	V	51.3		4.7	38.0	-39.6	54.4	527.0	5000.0	-19.5
12400.00	H	46.5	*	6.1	41.6	-38.8	55.4	592.0	5000.0	-18.5
	V	47.0	*	6.1	41.6	-38.8	56.0	627.8	5000.0	-18.0
19840.00	H	39.6	*	2.2	40.4	-29.1	53.2	454.9	5000.0	-20.8
	V	39.7	*	2.2	40.4	-29.1	53.3	460.7	5000.0	-20.7
22320.00	H	40.2	*	2.2	40.6	-29.1	54.0	498.4	5000.0	-20.0
	V	41.3	*	2.2	40.6	-29.1	55.1	565.7	5000.0	-18.9
2483.50	H	26.5	*	2.7	33.1	0.0	62.2	1292.1	5000.0	-11.8
	V	26.2	*	2.7	33.1	0.0	62.0	1254.0	5000.0	-12.0
2483.50	H	26.4	*	2.7	33.1	0.0	62.1	1277.3	5000.0	-11.9
	V	25.3	*	2.7	33.1	0.0	61.1	1133.2	5000.0	-12.9
2483.50	H	26.8	*	2.7	33.1	0.0	62.6	1346.8	5000.0	-11.4
	V	25.6	*	2.7	33.1	0.0	61.3	1166.3	5000.0	-12.6

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Notes	Average Measurements in the Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBµV/m)	Average Total at 3m (µV/m)	Average Limit at 3m (µV/m)	Margin (dB)
4960.00	H	45.4		3.7	36.2	-39.6	0.0	45.7	191.7	500.0	-8.3
	V	44.1		3.7	36.2	-39.6	0.0	44.4	166.2	500.0	-9.6
7440.00	H	47.6		4.7	38.0	-39.6	0.0	50.8	346.6	500.0	-3.2
	V	44.1		4.7	38.0	-39.6	0.0	47.3	230.8	500.0	-6.7
12400.00	H	36.0	*	6.1	41.6	-38.8	0.0	44.9	175.1	500.0	-9.1
	V	36.0	*	6.1	41.6	-38.8	0.0	45.0	176.9	500.0	-9.0
19840.00	H	33.8	*	2.2	40.4	-29.1	0.0	47.3	233.0	500.0	-6.6
	V	33.8	*	2.2	40.4	-29.1	0.0	47.3	231.4	500.0	-6.7
22320.00	H	34.2	*	2.2	40.6	-29.1	0.0	48.0	250.4	500.0	-6.0
	V	34.2	*	2.2	40.6	-29.1	0.0	47.9	249.2	500.0	-6.0
2483.50	H	15.0	*	2.7	33.1	0.0	0.0	50.8	346.2	500.0	-3.2
	V	14.9	*	2.7	33.1	0.0	0.0	50.7	341.4	500.0	-3.3
2483.50	H	15.0	*	2.7	33.1	0.0	0.0	50.7	343.4	500.0	-3.3
	V	14.8	*	2.7	33.1	0.0	0.0	50.6	337.9	500.0	-3.4
2483.50	H	15.0	*	2.7	33.1	0.0	0.0	50.8	345.8	500.0	-3.2
	V	14.8	*	2.7	33.1	0.0	0.0	50.5	336.4	500.0	-3.4

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Notes	Peak Measurements in Non-Restricted Bands

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
2480.00	H	48.6	0.0	2.7	33.1	0.0	84.4	16551.2	NA	NA
	V	49.5	0.0	2.7	33.1	0.0	85.2	18231.8	NA	NA
9920.00	H	37.1	*	5.3	39.4	-39.2	42.5	134.0	2235.6	-24.4
	V	37.3	*	5.3	39.4	-39.2	42.8	137.4	2235.6	-24.2
14880.00	H	37.6	*	6.8	42.4	-38.5	48.3	259.1	2235.6	-18.7
	V	38.0	*	6.8	42.4	-38.5	48.7	271.7	2235.6	-18.3
17360.00	H	35.0	*	7.4	43.9	-37.4	48.9	277.1	2235.6	-18.1
	V	35.3	*	7.4	43.9	-37.4	49.1	284.9	2235.6	-17.9
24800.00	H	31.9	*	2.2	40.6	-29.5	45.2	182.0	2235.6	-21.8
	V	31.5	*	2.2	40.6	-29.5	44.8	173.8	2235.6	-22.2

25. Band-Edge Compliance

EUT Information	
Manufacturer	Cala Health, Inc
Product	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Radiated
Type of Test Site	Semi-Anechoic Chamber Elite Test Bench
Type of Antennas Used	Below 1GHz: Bilog (or equivalent) Above 1GHz: Double-Ridged Waveguide (or equivalent)
Notes	None

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1000 MHz)	4.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1

Procedure

1) Low Band Edge:
   a) The EUT was setup on a non-conductive stand and a broadband measuring antenna was placed at near the EUT.
   b) The EUT was set to transmit continuously at the channel closest to the low band-edge.
   c) The EUT was maximized for worst case emissions at the measuring antenna and the maximum meter reading was recorded.
   d) To determine the band edge compliance, the following spectrum analyzer settings were used:
      - Center Frequency = 2400MHz (low band-edge frequency).
      - Span = Wide enough to capture the peak level of the emission operating on the channel closest to the band-edge, as well as any modulation products which fall outside of the authorized band of operation.
      - Resolution Bandwidth (RBW) = ≥ 1% of the span.
      - 'Max-Hold' function was engaged.
   e) The analyzer was allowed to scan until the envelope of the transmitter bandwidth was defined.
   f) The marker was set on the peak of the in-band emissions. A display line was placed 20dB down from the peak of the in-band emissions. All emissions which fall outside of the authorized band of operation must be below the 20dB down display line. (All emissions to the left of the center frequency (band-edge) must be below the display line.)
   g) The analyzer's display was then screenshot and saved.

2) High Band Edge:

a) The EUT was setup inside the test chamber on a non-conductive stand and set to transmit continuously at the channel closest to the high band-edge.

b) A broadband measuring antenna was placed at a test distance of 3 meters from the EUT. The antenna was connected to the input of a spectrum analyzer.

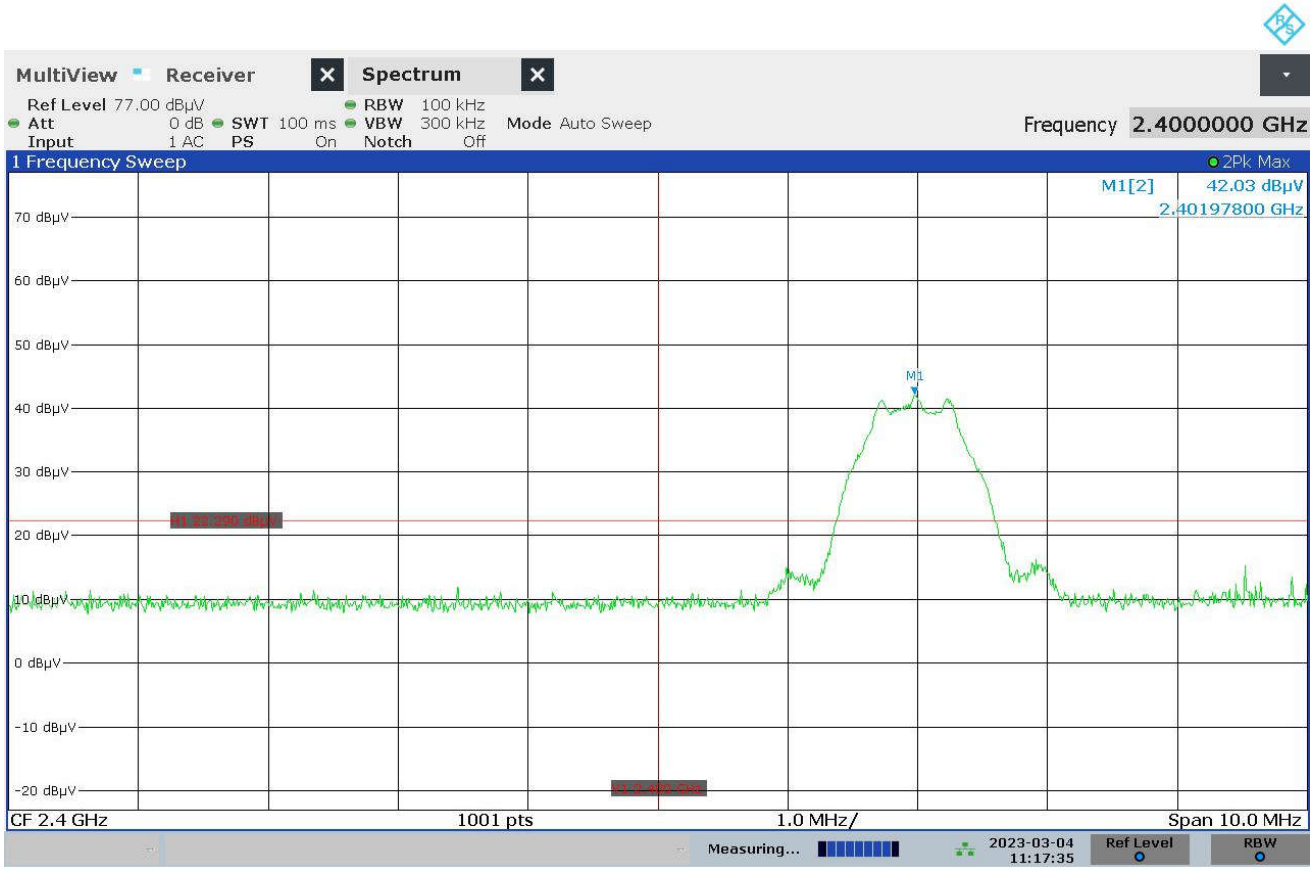
c) The center frequency of the analyzer was set to the high band edge (2483.5MHz).

d) The Resolution Bandwidth was set to 1MHz.

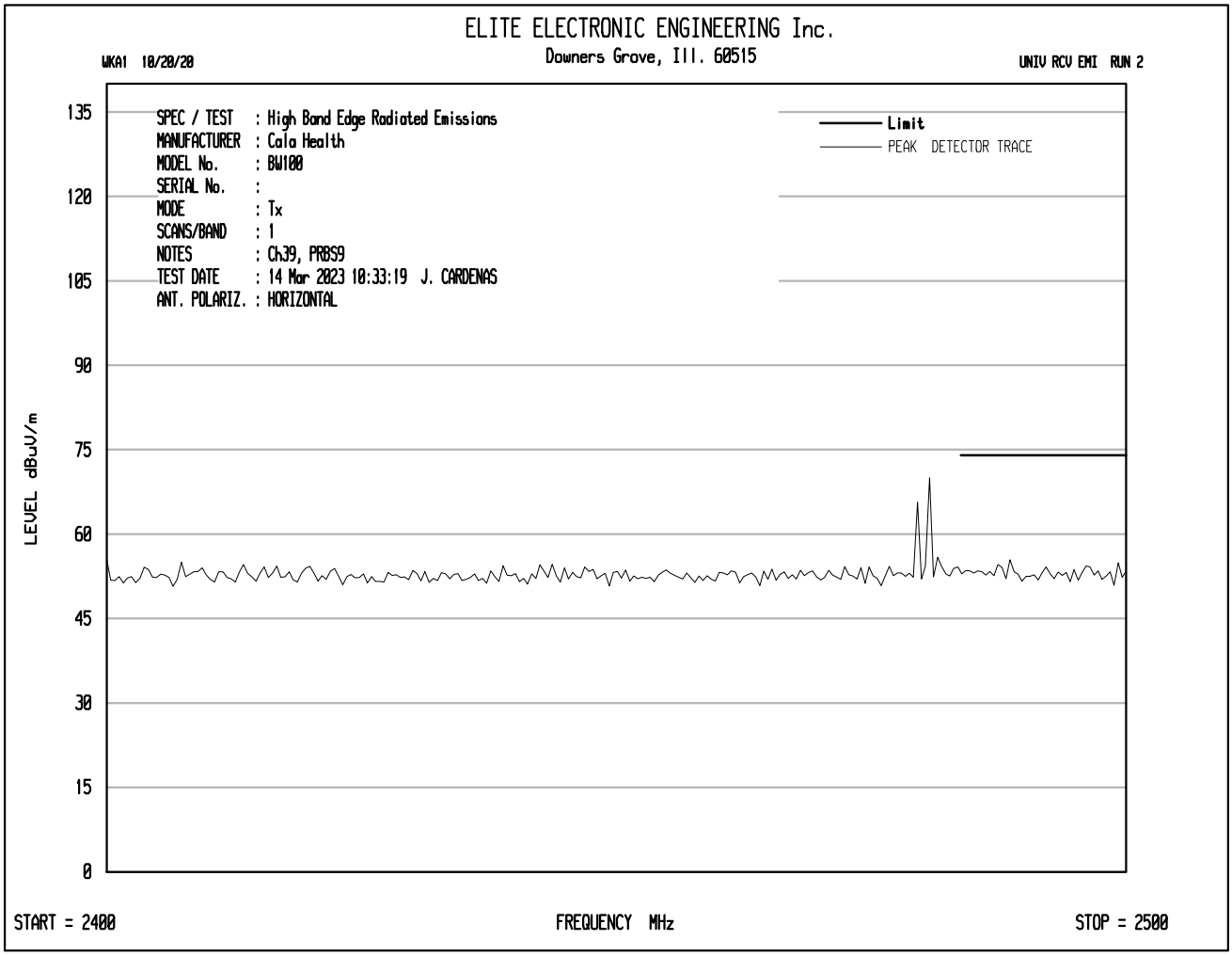
e) To ensure that the maximum or worst-case emission level was measured, the following steps were taken:

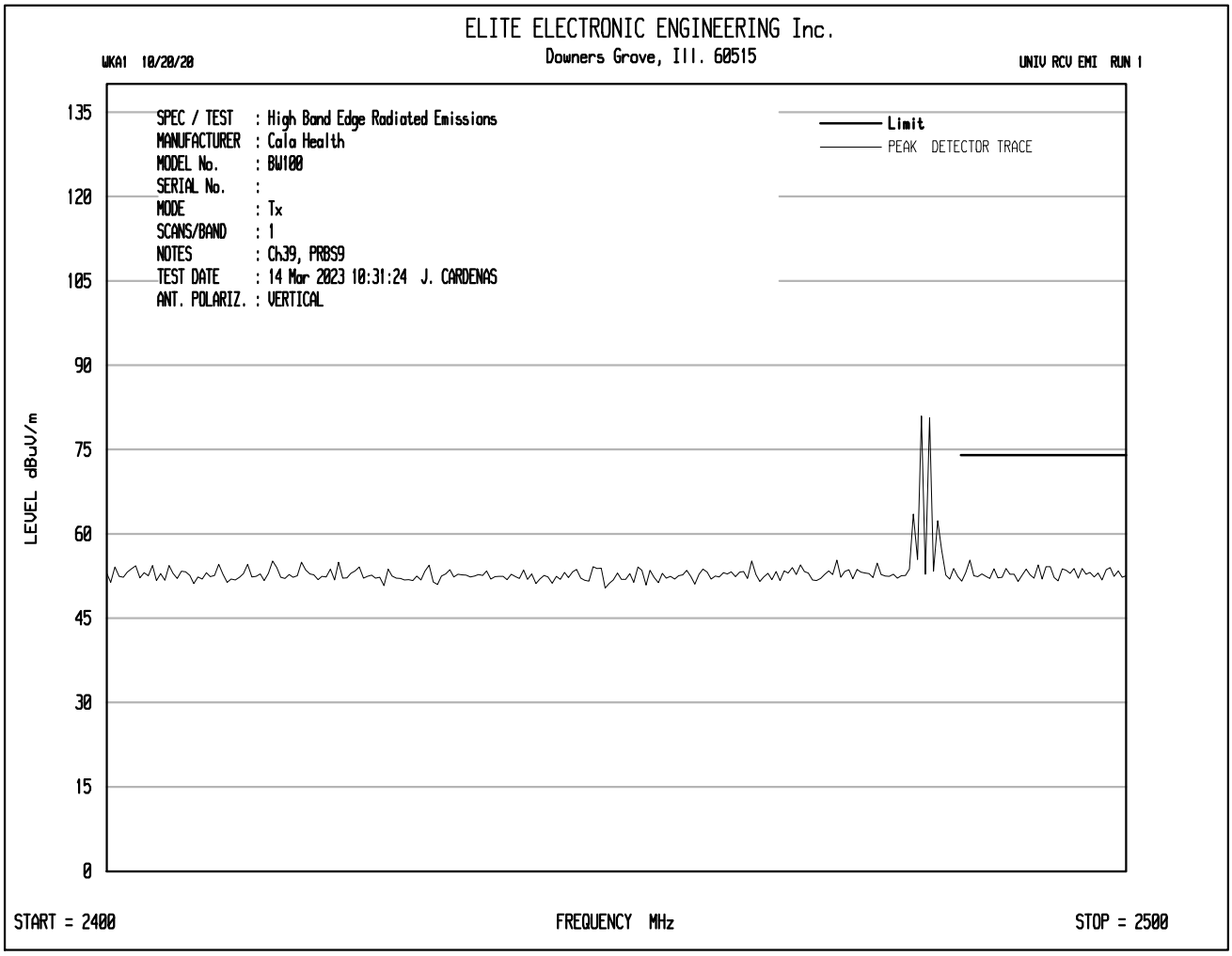
- The EUT was rotated so that all of its sides were exposed to the receiving antenna.
- Since the measuring antenna is linearly polarized, both horizontal and vertical field components were measured.
- The EUT was rotated so that all of its sides were exposed to the receiving antenna.
- The measuring antenna was raised and lowered from 1 to 4 meters for each antenna polarization to maximize the readings.
- The highest measured peak reading and the highest measured average reading were recorded.

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz – PRBS9
Notes	Low Band Edge



Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz – PRBS9
Notes	High Band Edge – Peak and Average Measurements

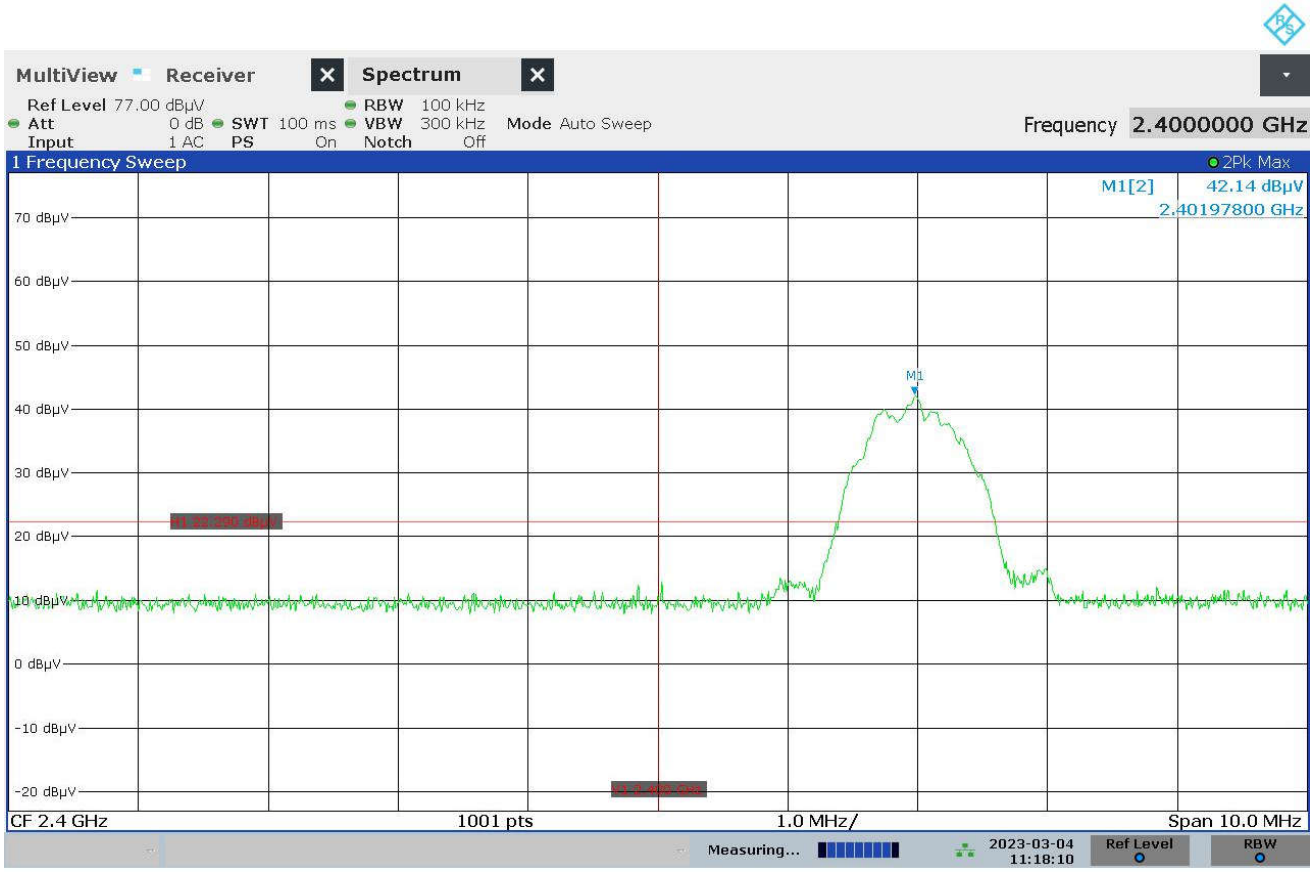




Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
2483.5	H	26.5	*	2.7	33.1	0.0	62.2	1292.1	5000.0	-11.8
	V	26.2	*	2.7	33.1	0.0	62.0	1254.0	5000.0	-12.0

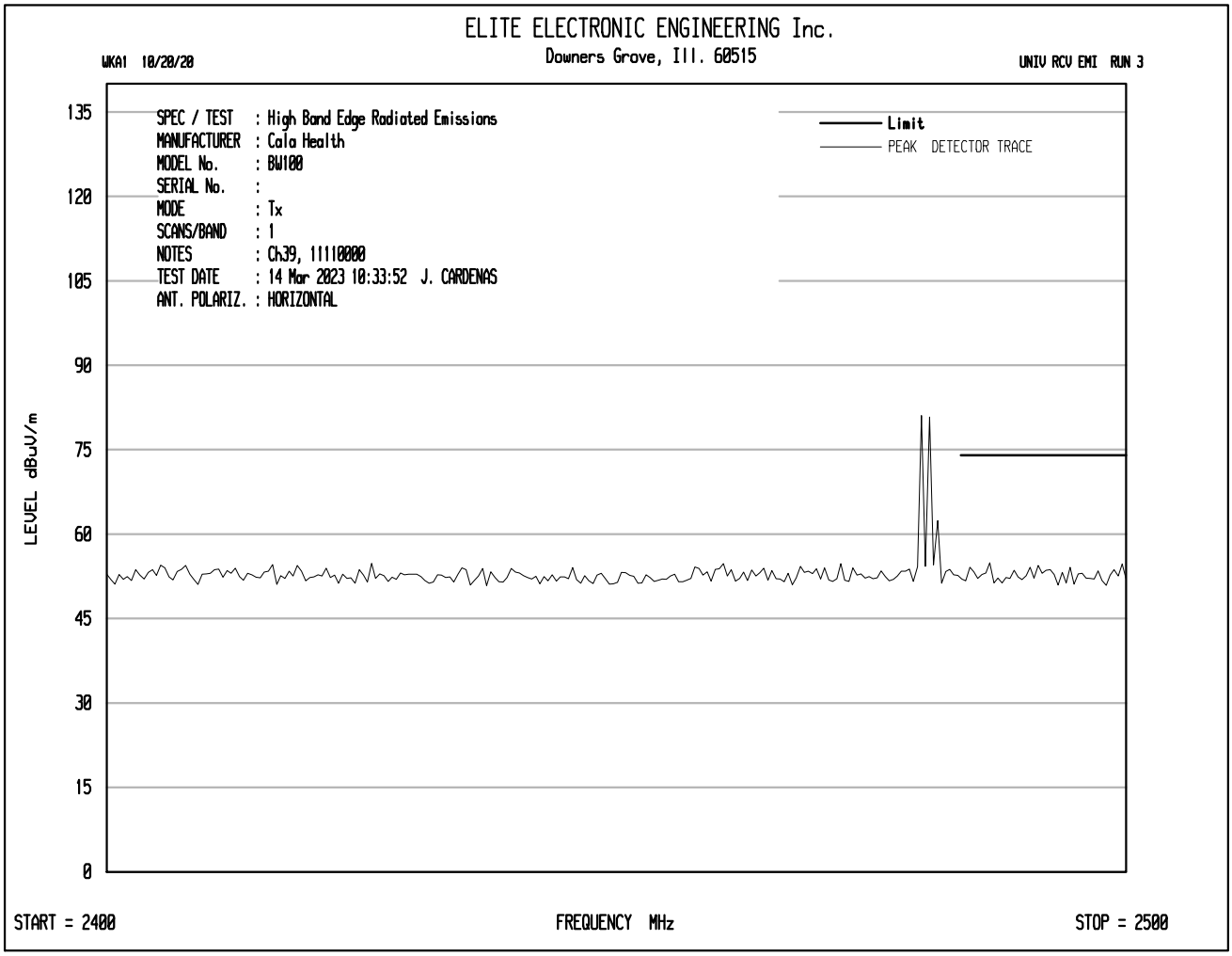
Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBµV/m)	Average Total at 3m (µV/m)	Average Limit at 3m (µV/m)	Margin (dB)
2483.5	H	15.0	*	2.7	33.1	0.0	0.0	50.8	346.2	500.0	-3.2
	V	14.9	*	2.7	33.1	0.0	0.0	50.7	341.4	500.0	-3.3

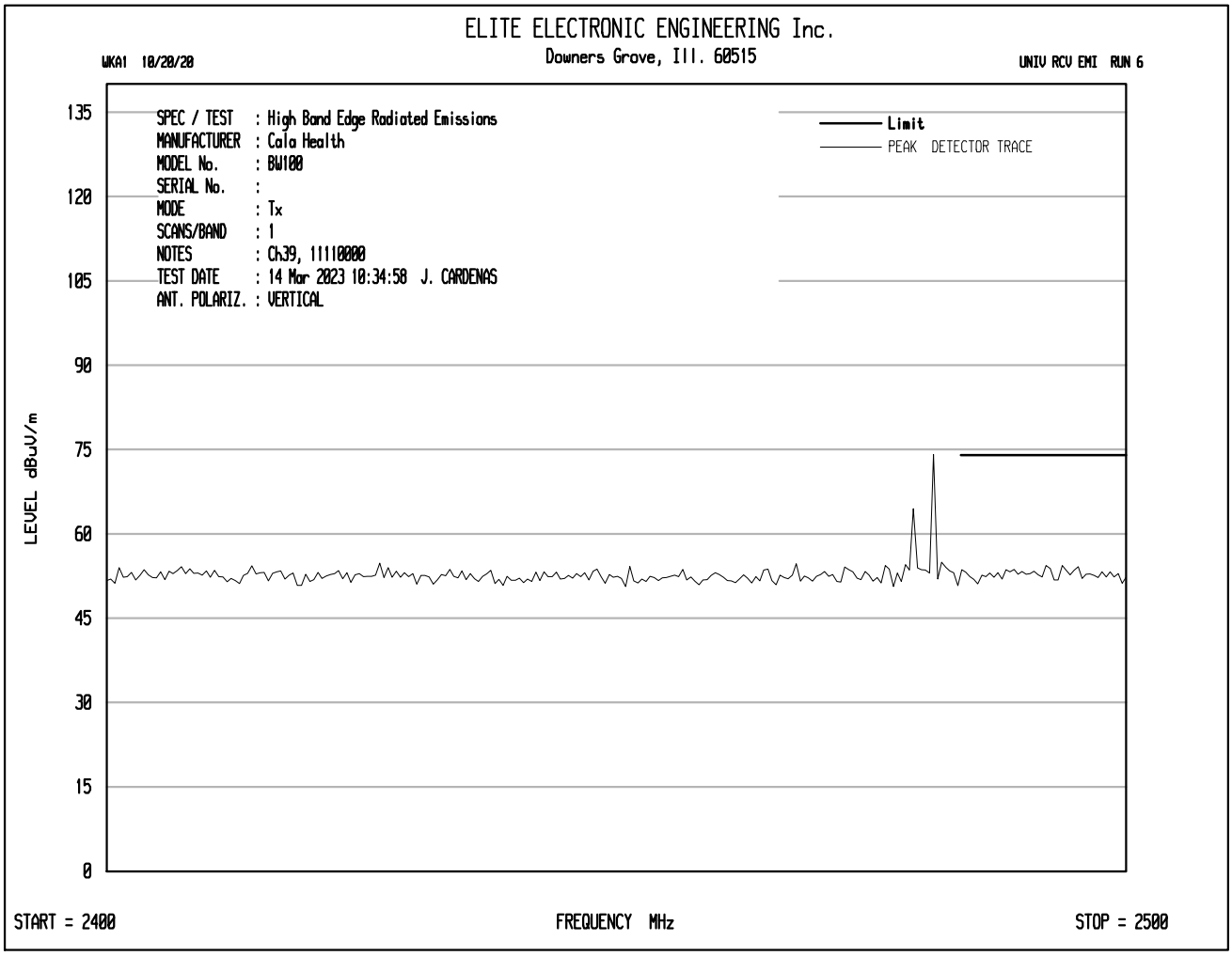
Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz – 11110000
Notes	Low Band Edge



11:18:10 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz – 11110000
Notes	High Band Edge – Peak and Average Measurements

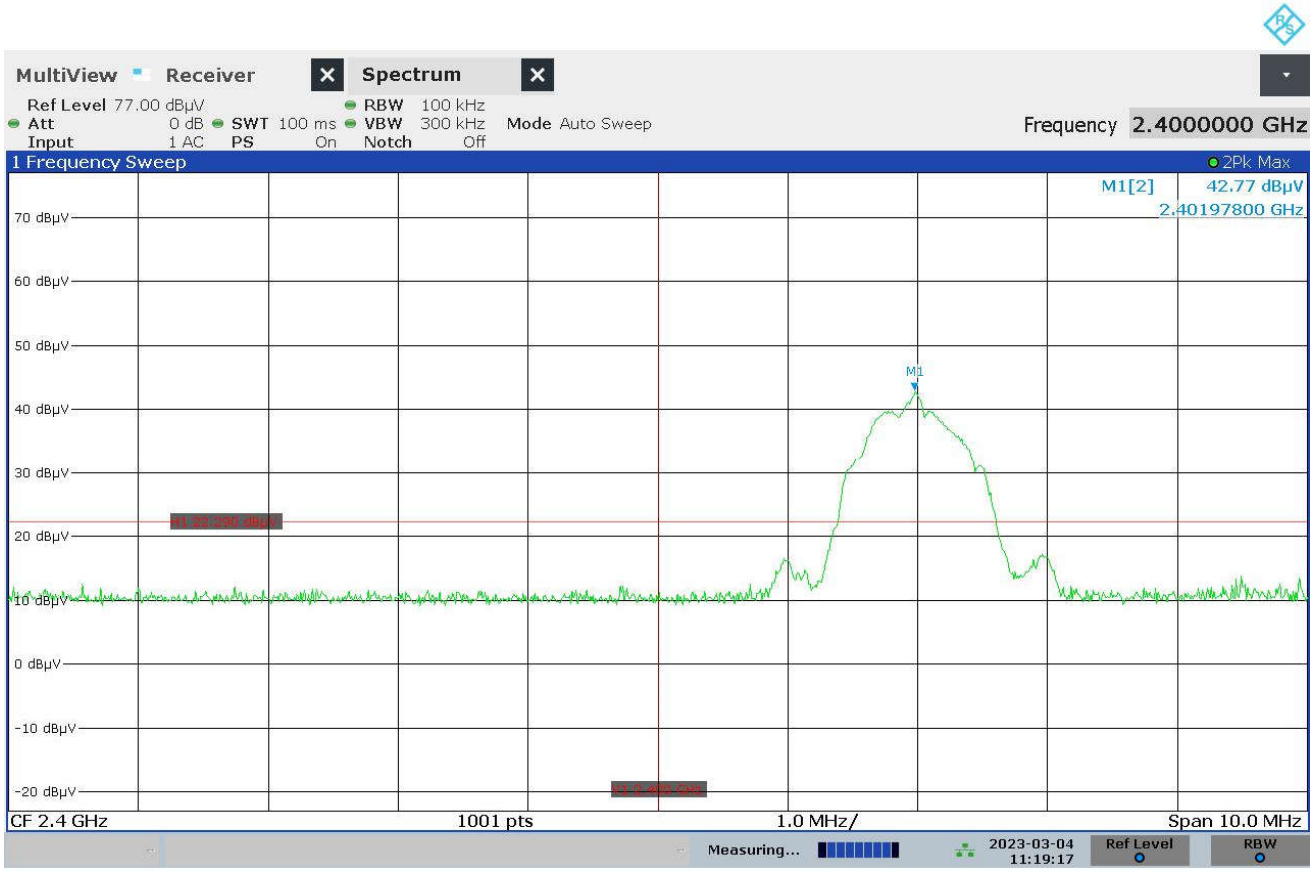




Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
2483.5	H	26.4	*	2.7	33.1	0.0	62.1	1277.3	5000.0	-11.9
	V	25.3	*	2.7	33.1	0.0	61.1	1133.2	5000.0	-12.9

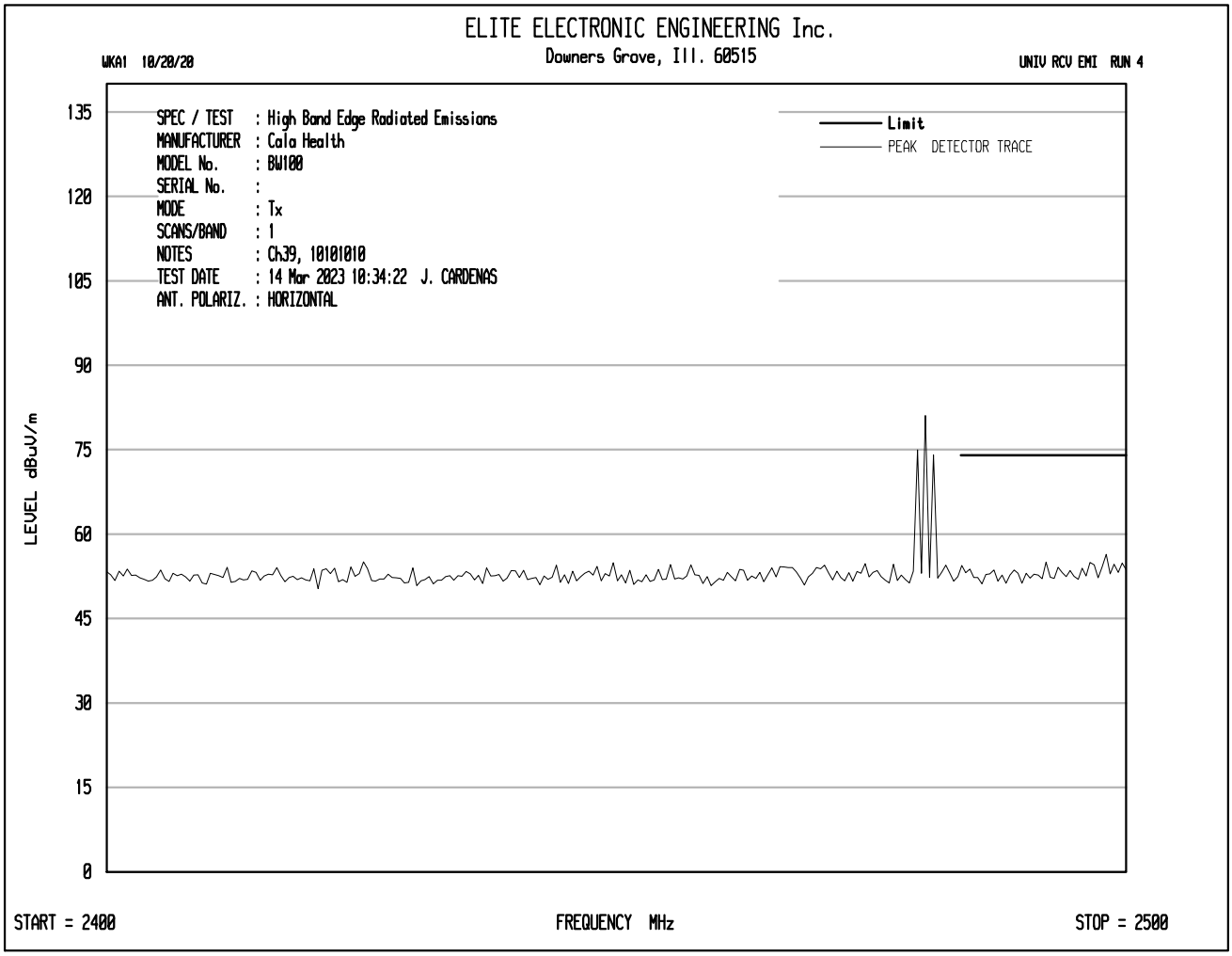
Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBµV/m)	Average Total at 3m (µV/m)	Average Limit at 3m (µV/m)	Margin (dB)
2483.5	H	15.0	*	2.7	33.1	0.0	0.0	50.7	343.4	500.0	-3.3
	V	14.8	*	2.7	33.1	0.0	0.0	50.6	337.9	500.0	-3.4

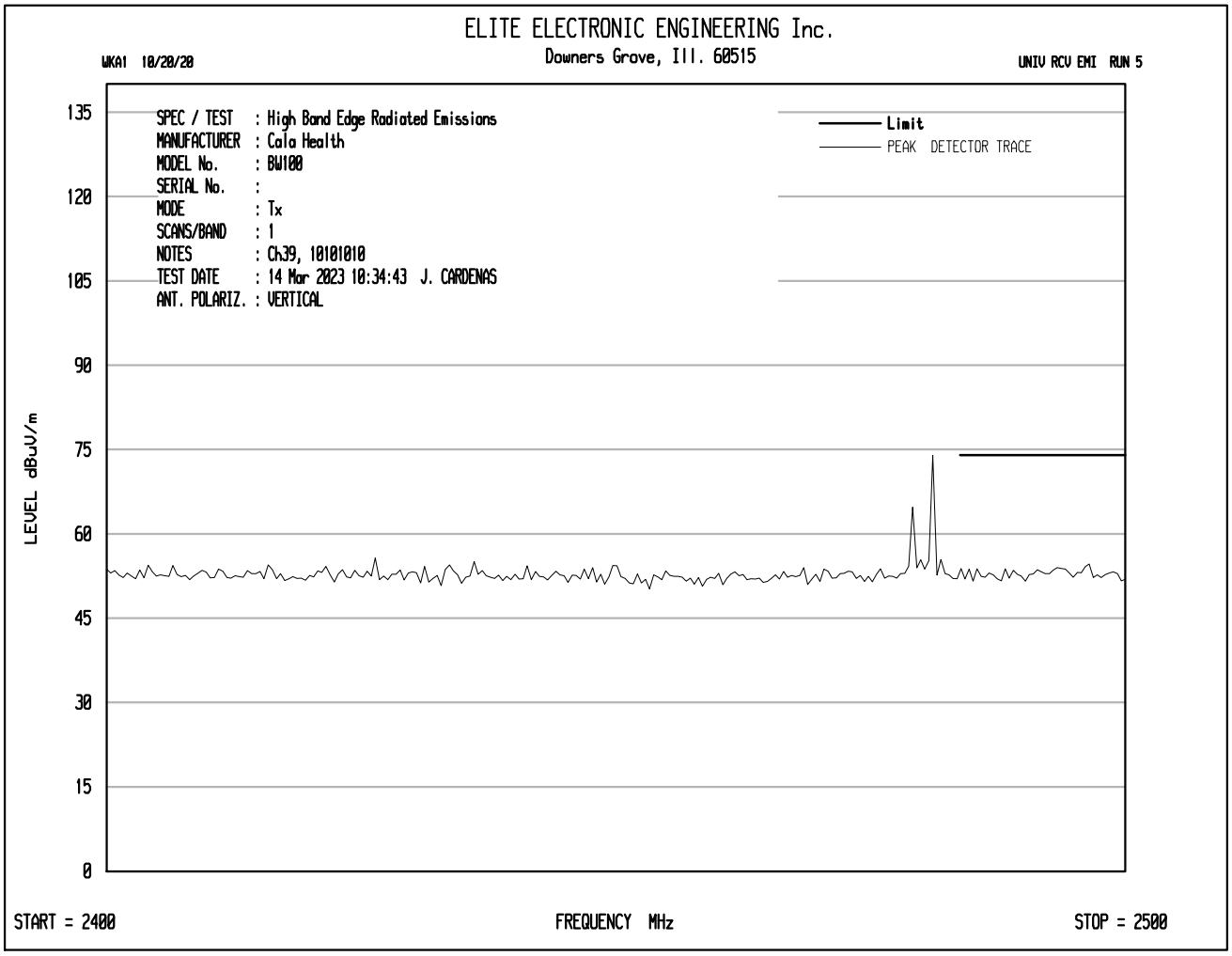
Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz – 10101010
Notes	Low Band Edge



11:19:17 AM 03/04/2023

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz – 10101010
Notes	High Band Edge – Peak and Average Measurements





Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBµV/m)	Peak Total at 3m (µV/m)	Peak Limit at 3m (µV/m)	Margin (dBm)
2483.5	H	26.8	*	2.7	33.1	0.0	62.6	1346.8	5000.0	-11.4
	V	25.6	*	2.7	33.1	0.0	61.3	1166.3	5000.0	-12.6

Freq (MHz)	Ant Pol	Meter Reading (dBµV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBµV/m)	Average Total at 3m (µV/m)	Average Limit at 3m (µV/m)	Margin (dB)
2483.5	H	15.0	*	2.7	33.1	0.0	0.0	50.8	345.8	500.0	-3.2
	V	14.8	*	2.7	33.1	0.0	0.0	50.5	336.4	500.0	-3.4

26. Power Spectral Density

EUT Information	
Manufacturer	Cala Health, Inc
Product	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx

Test Setup Details	
Setup Format	Tabletop
Height of Support	N/A
Measurement Method	Radiated
Type of Test Site	Semi-Anechoic Chamber
Test Site Used	R29F
Type of Antennas Used	Below 1GHz: Bilog (or equivalent) Above 1GHz: Double-Ridged Waveguide (or equivalent)
Notes	N/A

Measurement Uncertainty	
Measurement Type	Expanded Measurement Uncertainty
Radiated disturbance (electric field strength on an open area test site or alternative test site) (30 MHz – 1000 MHz)	4.3
Radiated disturbance (electric field strength on an open area test site or alternative test site) (1 GHz – 6 GHz)	3.1

Requirement
The power spectral density from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

Procedure

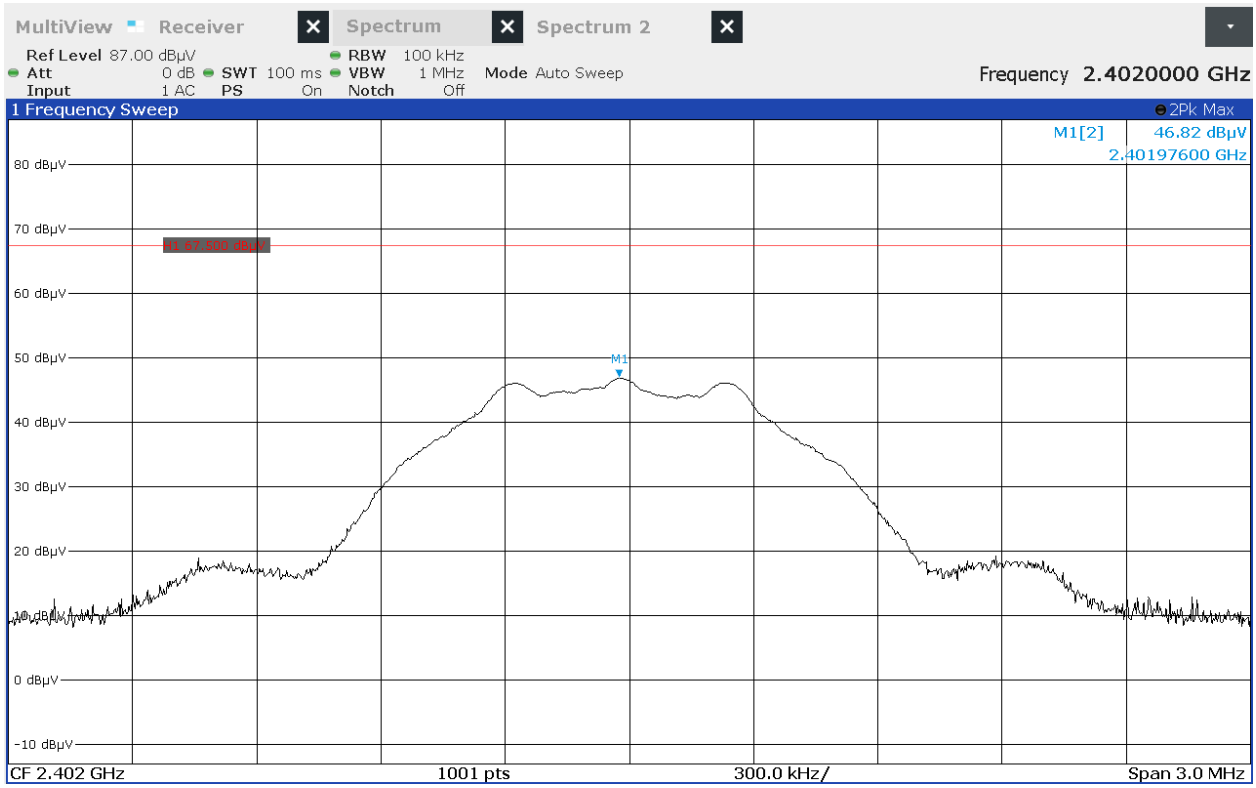
1) The EUT was setup inside the test chamber on a non-conductive stand and set to transmit at the mid channel.
2) A broadband measuring antenna was placed near the EUT.
3) To determine the power spectral density, the following spectrum analyzer settings were used for Channel 2:
    a) Center Frequency = Transmit Frequency
    b) Span = 1.5× the DTS (6dB) bandwidth
    c) Resolution Bandwidth (RBW) = 3kHz ≤ RBW ≤ 100kHz
    d) Sweep time = Auto
    e) Detector = Peak
    f) Trace Function = Max-Hold
4) The display line was then placed on the corresponding +8dBm level.
5) The analyzers display was then screenshot and saved.
6) The equivalent power of the highest measured emission was then determined using the substitution method

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Result	8dBm Equivalent Meter Reading
Notes	None

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)
2402.00	H	67.5		5.5	5.3	2.7	8.0
2402.00	V	67.2		5.5	5.3	2.7	8.0
2440.00	H	67.5		5.6	5.2	2.8	8.0
2440.00	V	67.2		5.5	5.2	2.8	8.0
2480.00	H	67.5		5.7	5.2	2.8	8.0
2480.00	V	67.3		5.7	5.2	2.8	8.0

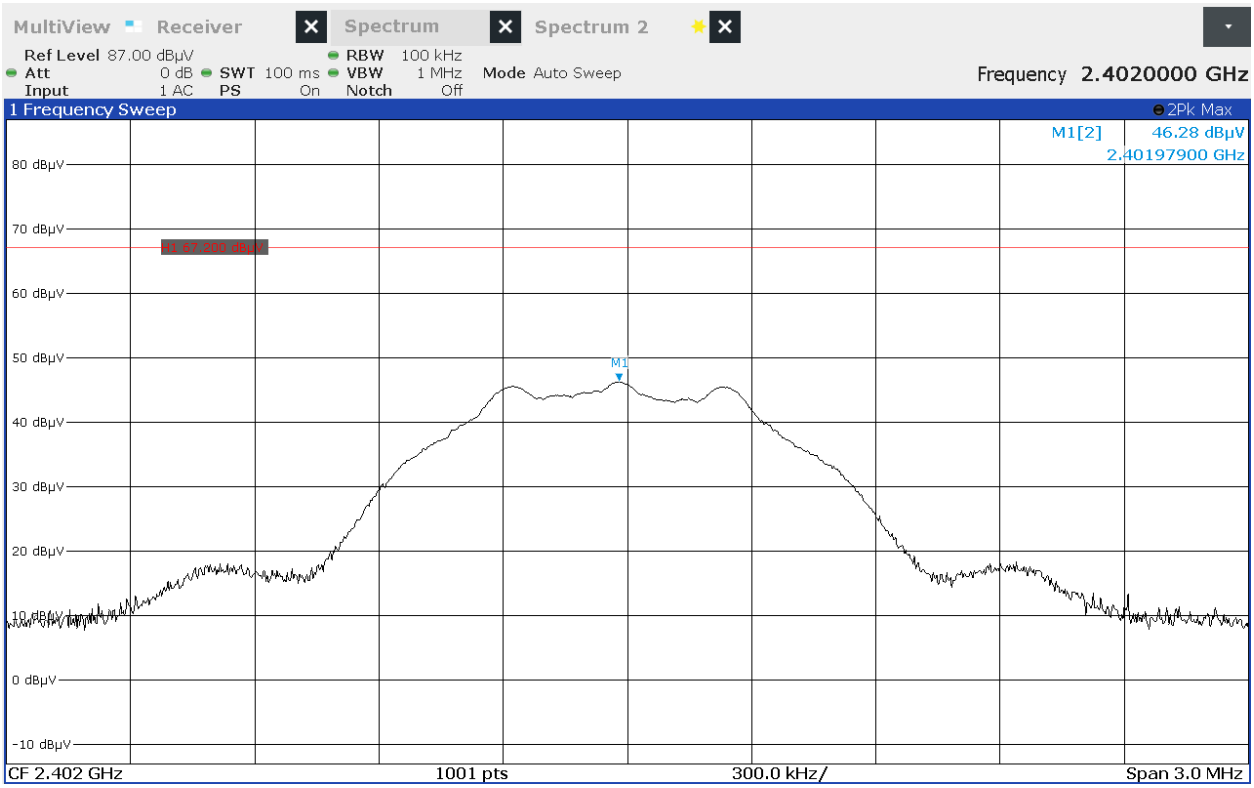
The display line in the plots below is placed at a level equivalent to 8dBm.

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Notes	PRBS9



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:11:11 AM
Notes : Ch0 PRBS9

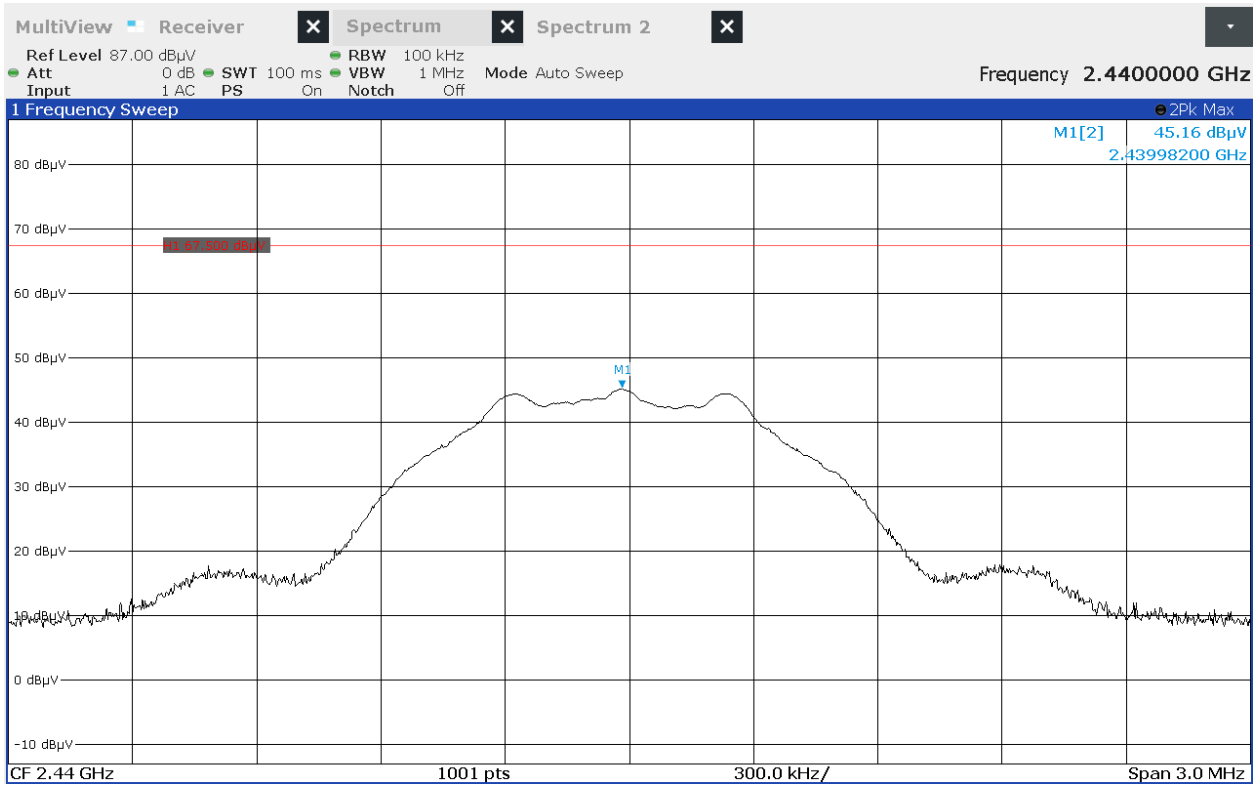


Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 9:22:20 AM
Notes : Ch0 PRBS9

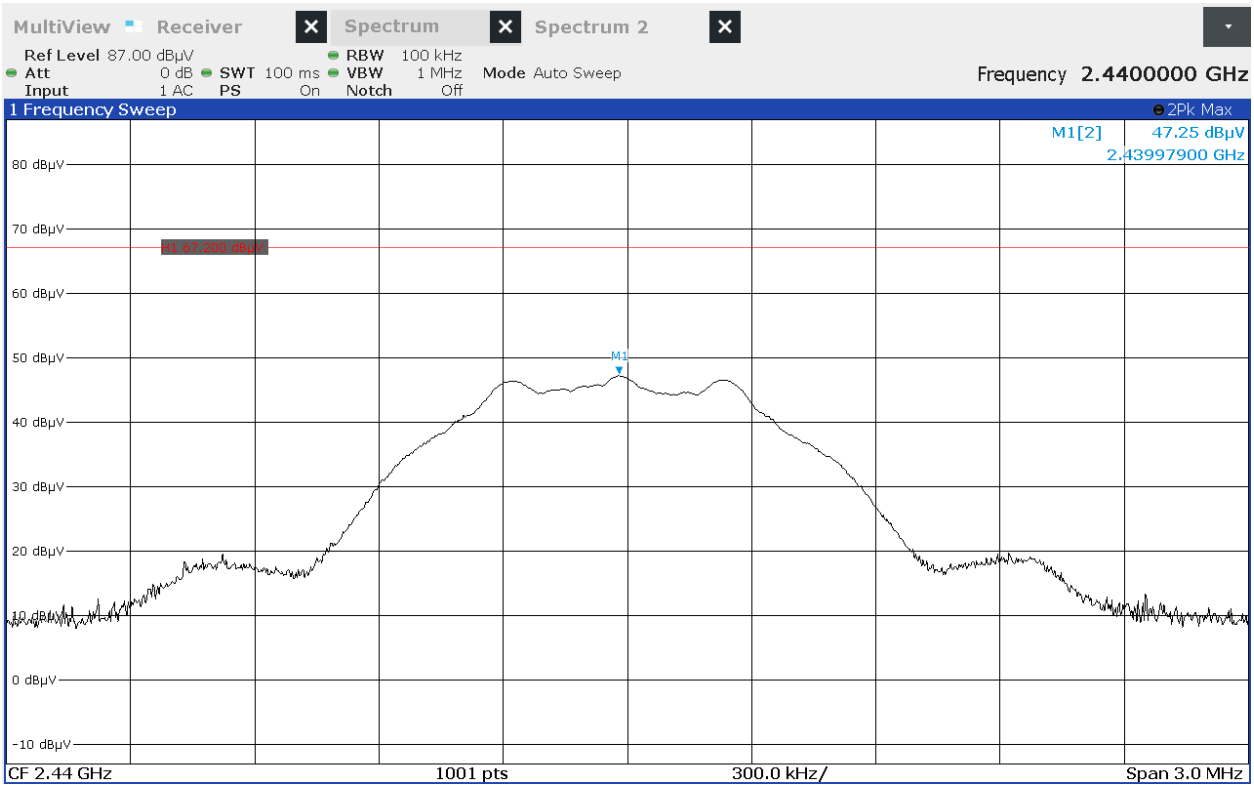
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2401.98	H	46.8		-15.2	5.3	2.7	-12.7	8.0	-20.7
2401.98	V	46.3		-15.4	5.3	2.7	-12.9	8.0	-20.9

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Notes	PRBS9



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:45:14 AM
Notes : Ch19 PRBS9

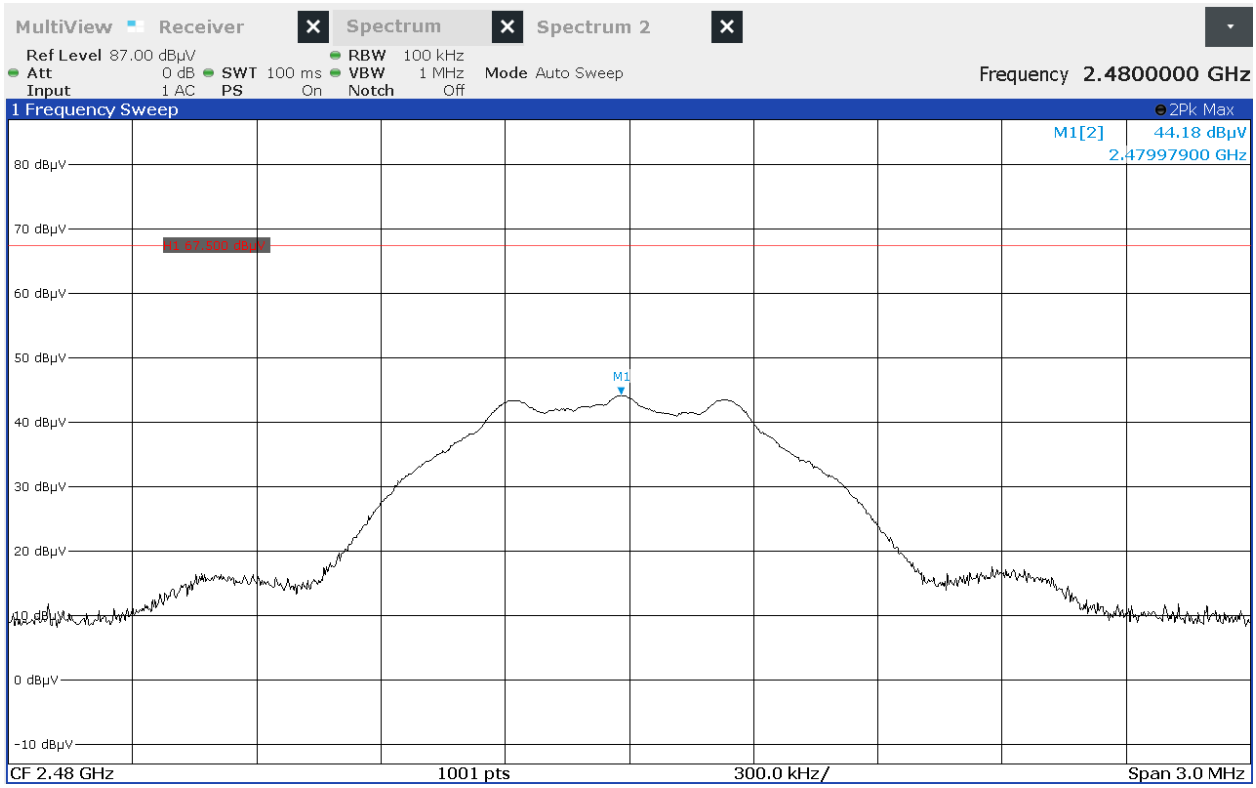


Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 9:34:53 AM
Notes : Ch19 PRBS9

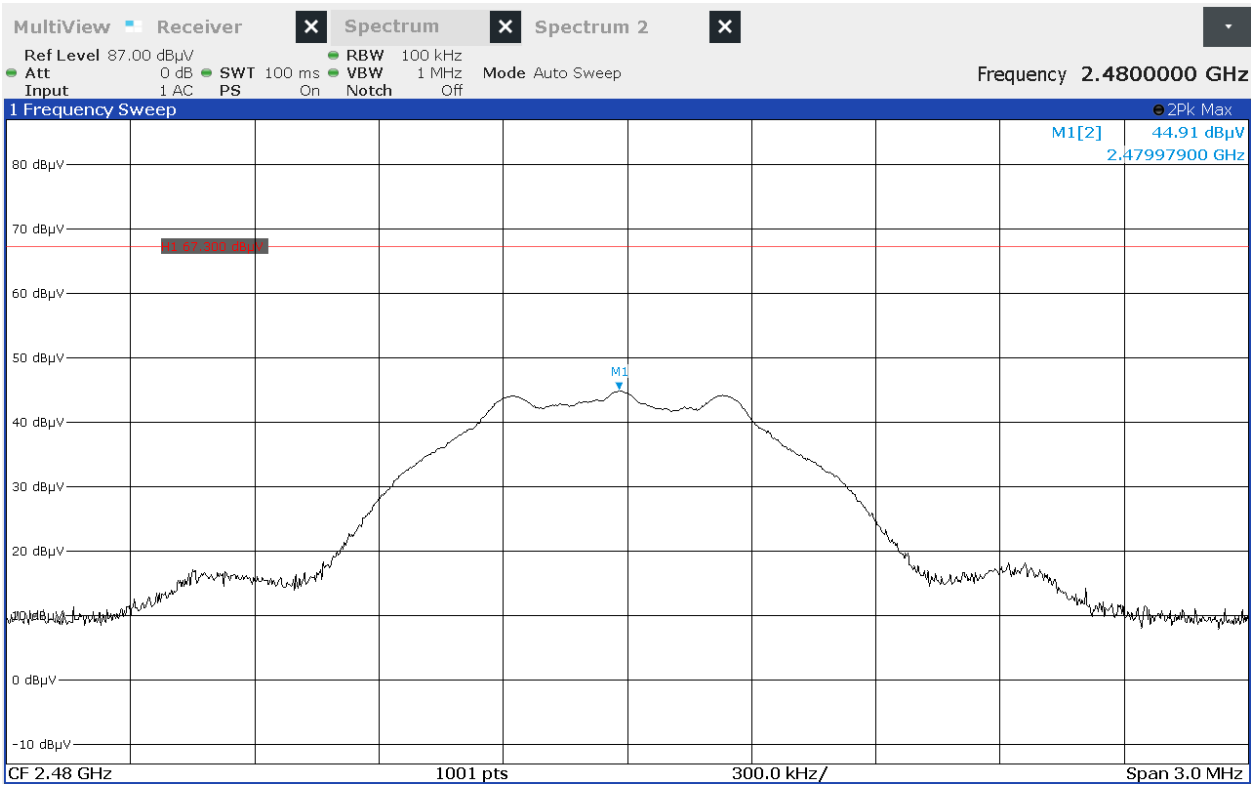
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2439.98	H	45.2		-16.8	5.2	2.8	-14.3	8.0	-22.3
2439.98	V	47.3		-14.4	5.2	2.8	-12.0	8.0	-20.0

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Notes	PRBS9



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:55:58 AM
Notes : Ch39 PRBS9

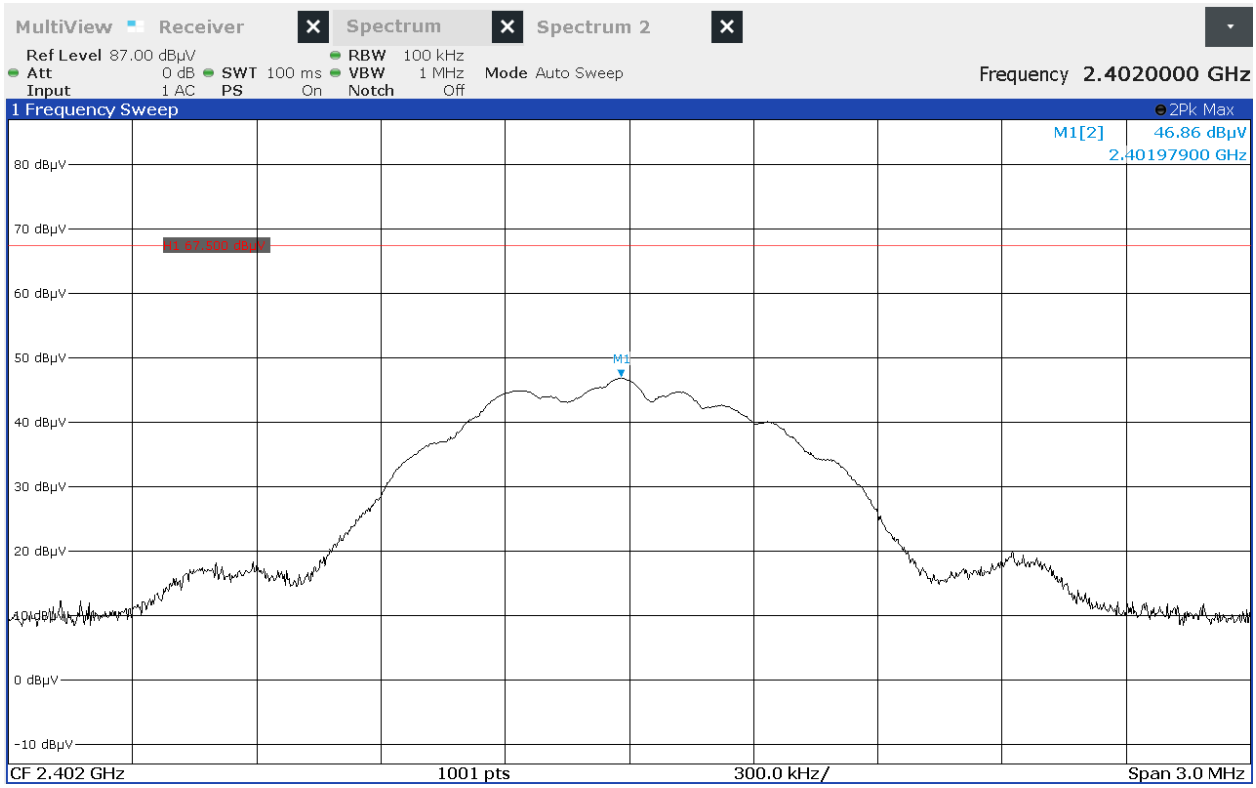


Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 10:09:20 AM
Notes : Ch39 PRBS9

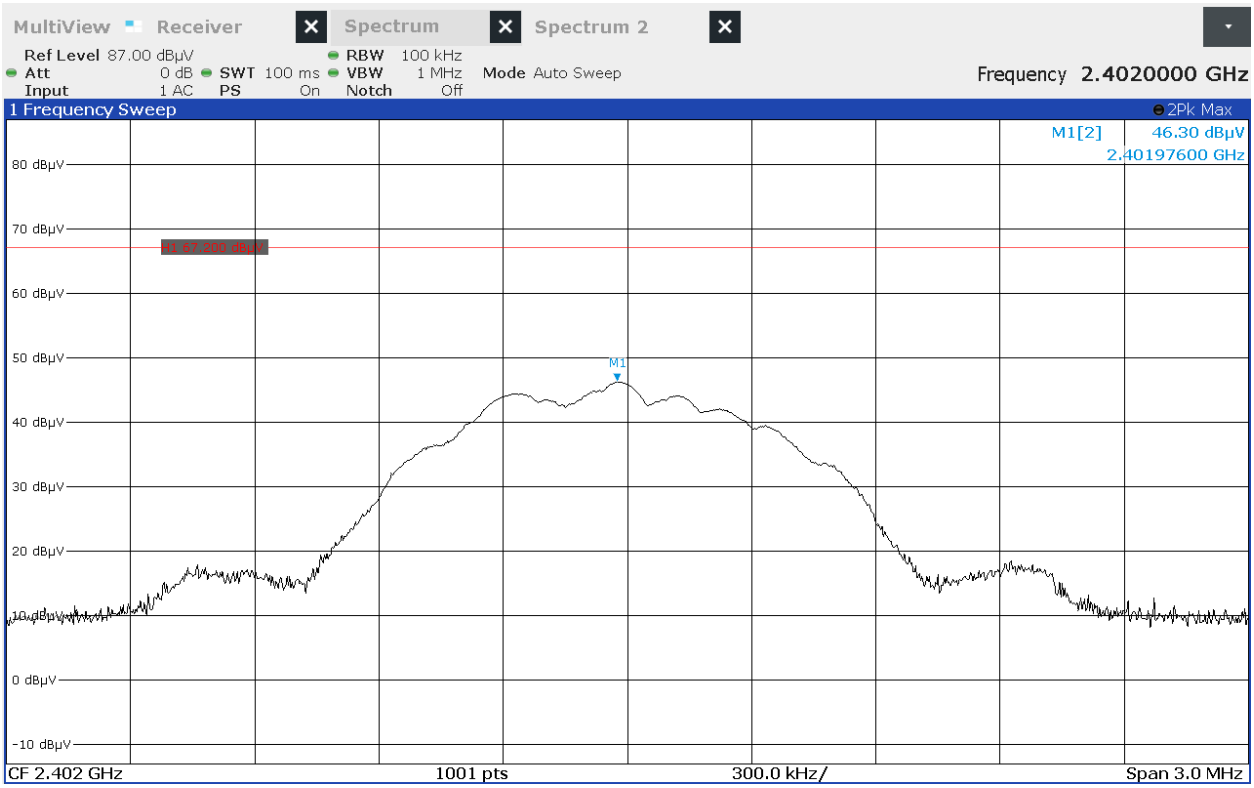
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2479.98	H	44.2		-17.7	5.2	2.8	-15.3	8.0	-23.3
2479.98	V	44.9		-16.7	5.2	2.8	-14.3	8.0	-22.3

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Notes	11110000 Pattern



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:10:37 AM
Notes : Ch0 11110000

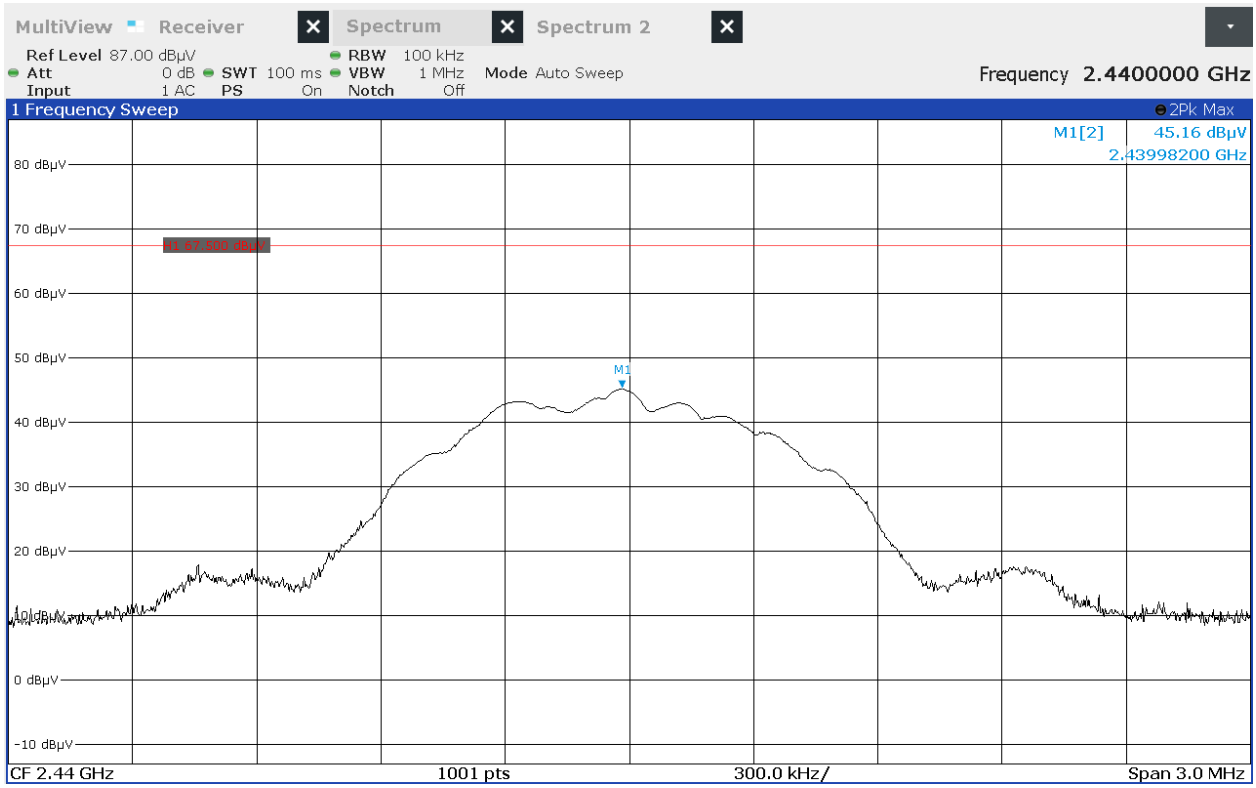


Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 9:23:03 AM
Notes : Ch0 11110000

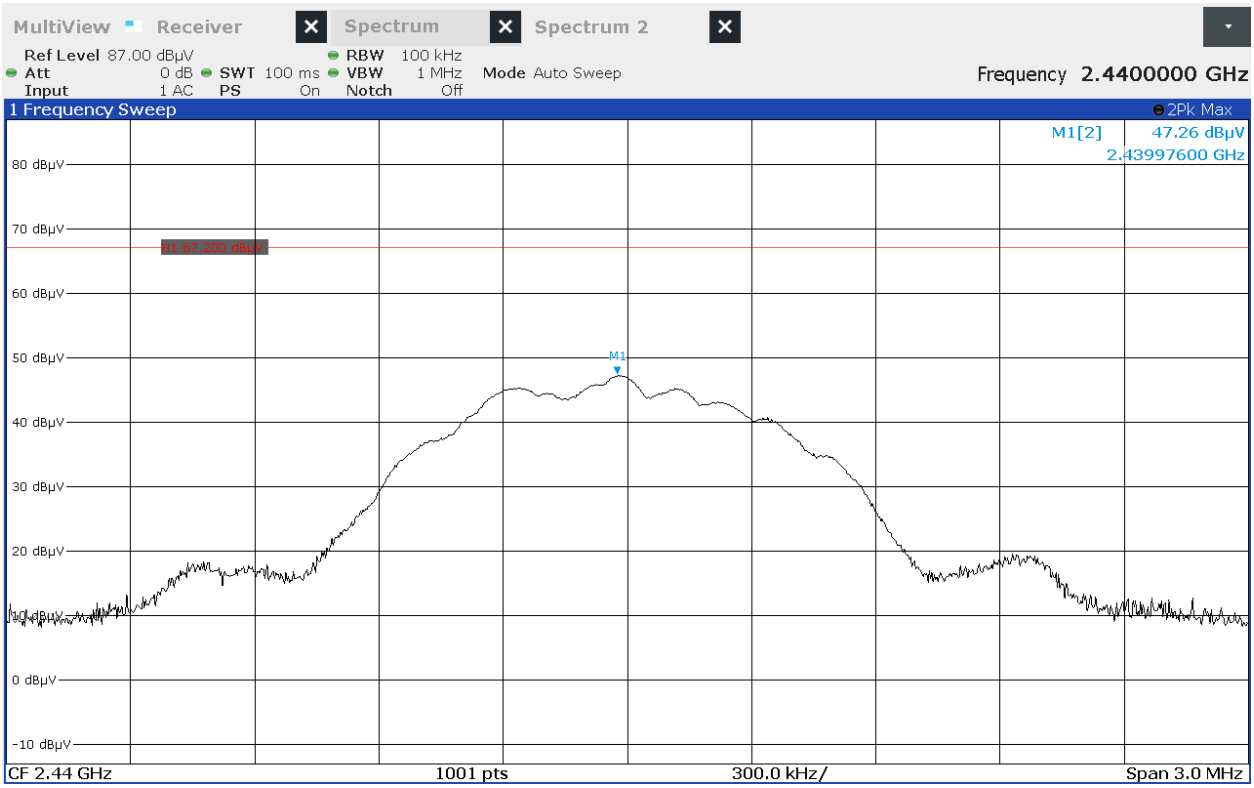
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2401.98	H	46.9		-15.1	5.3	2.7	-12.6	8.0	-20.6
2401.98	V	46.3		-15.4	5.3	2.7	-12.9	8.0	-20.9

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Notes	11110000 Pattern



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:44:34 AM
Notes : Ch19 11110000

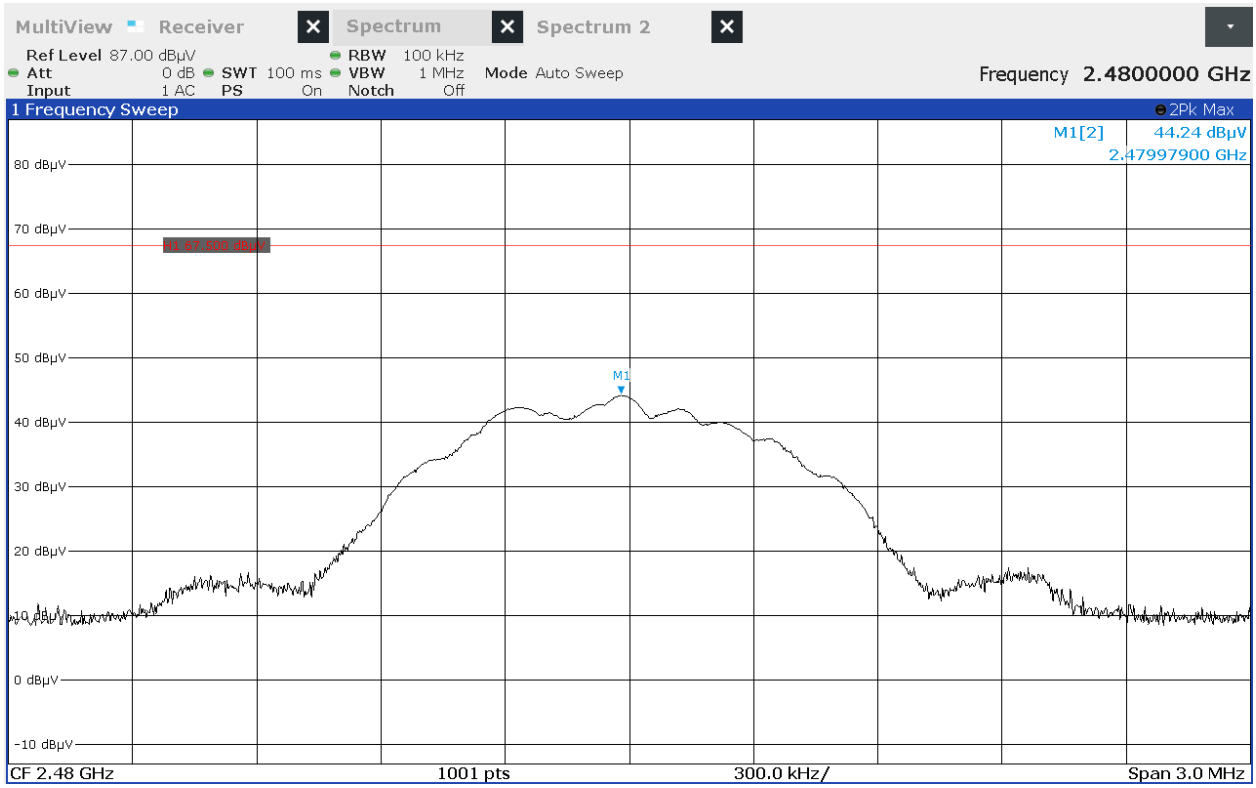


Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 9:35:30 AM
Notes : Ch19 11110000

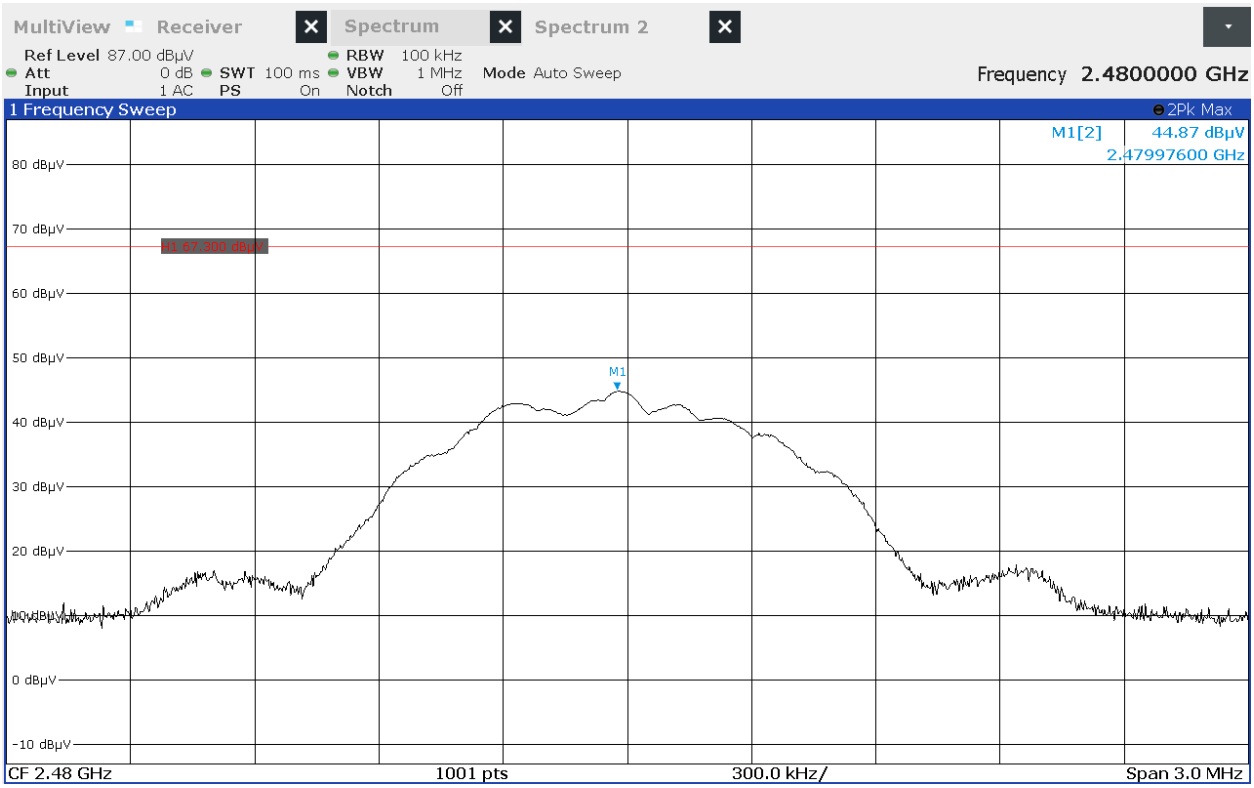
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2439.98	H	45.2		-16.8	5.2	2.8	-14.3	8.0	-22.3
2439.98	V	47.3		-14.4	5.2	2.8	-12.0	8.0	-20.0

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Notes	11110000 Pattern



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:56:48 AM
Notes : Ch39 11110000

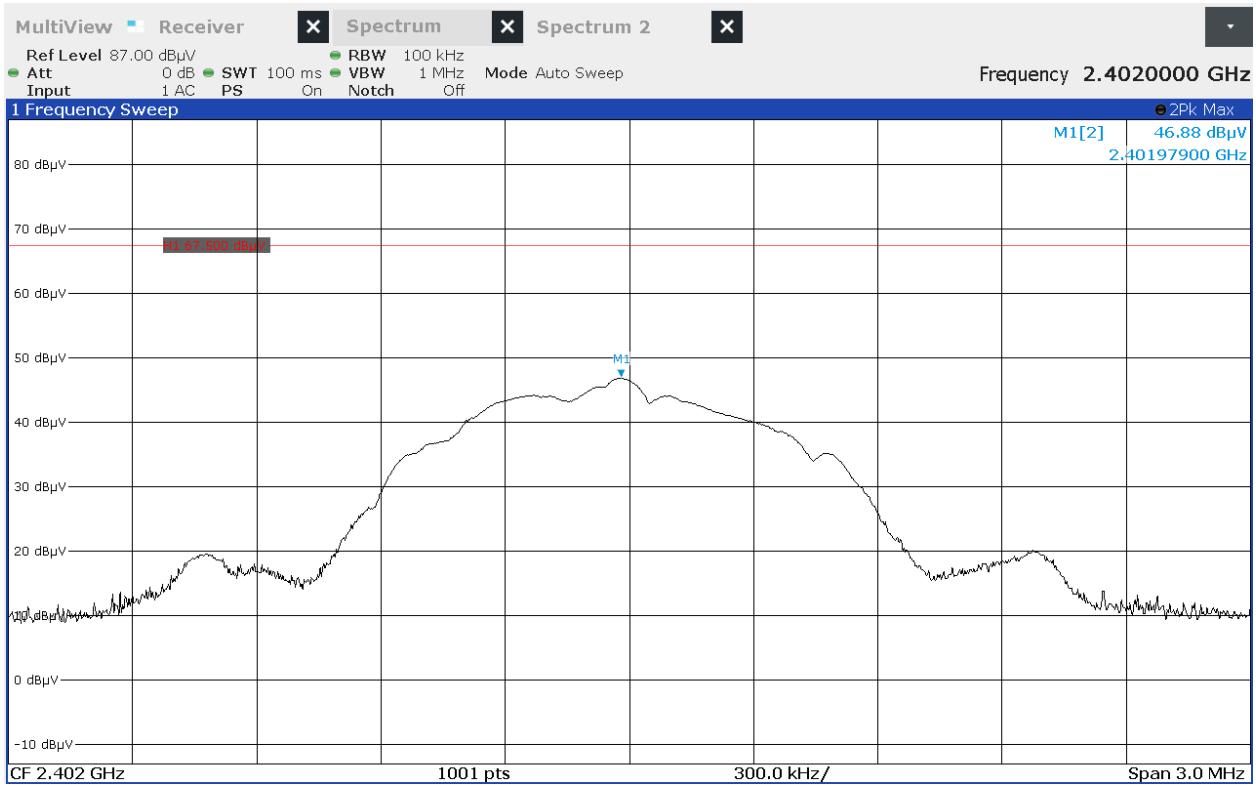


Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 10:08:25 AM
Notes : Ch39 11110000

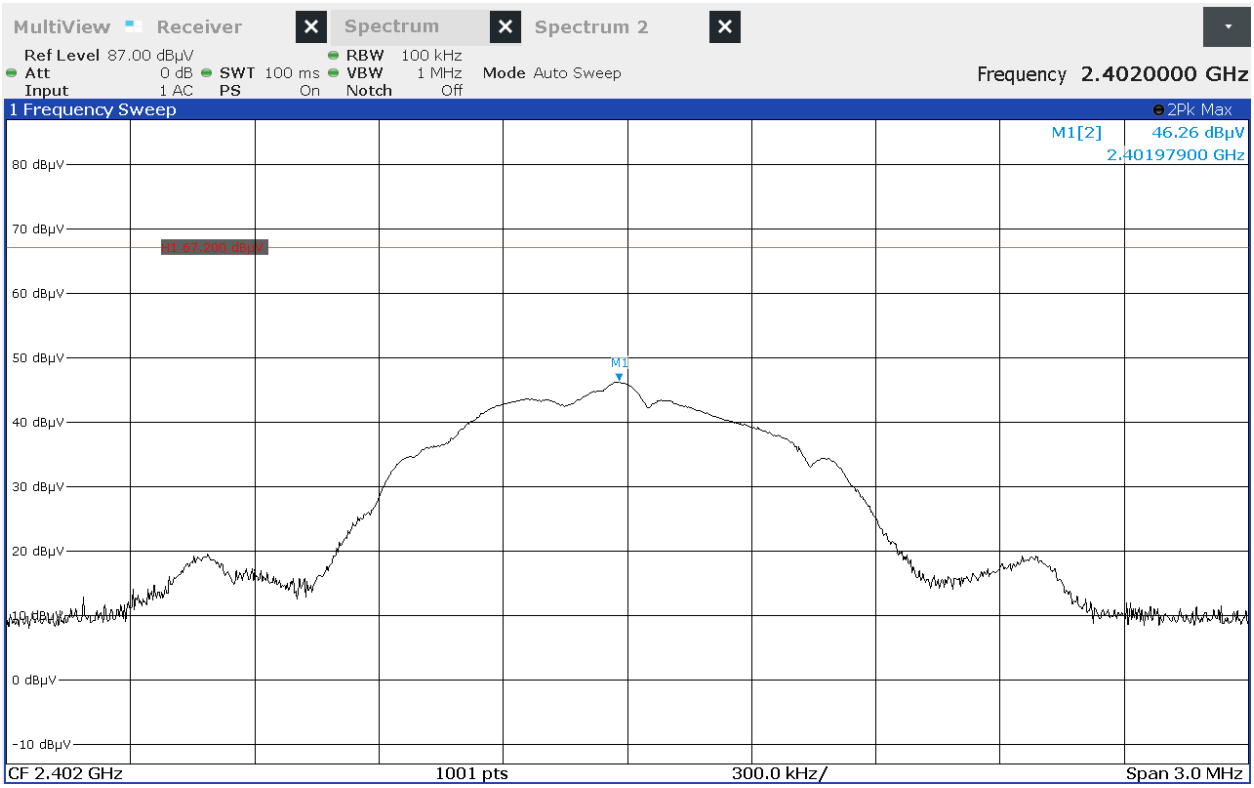
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2479.98	H	44.2		-17.6	5.2	2.8	-15.2	8.0	-23.2
2479.98	V	44.9		-16.7	5.2	2.8	-14.4	8.0	-22.4

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2402MHz
Notes	10101010 Pattern



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:10:11 AM
Notes : Ch0 10101010

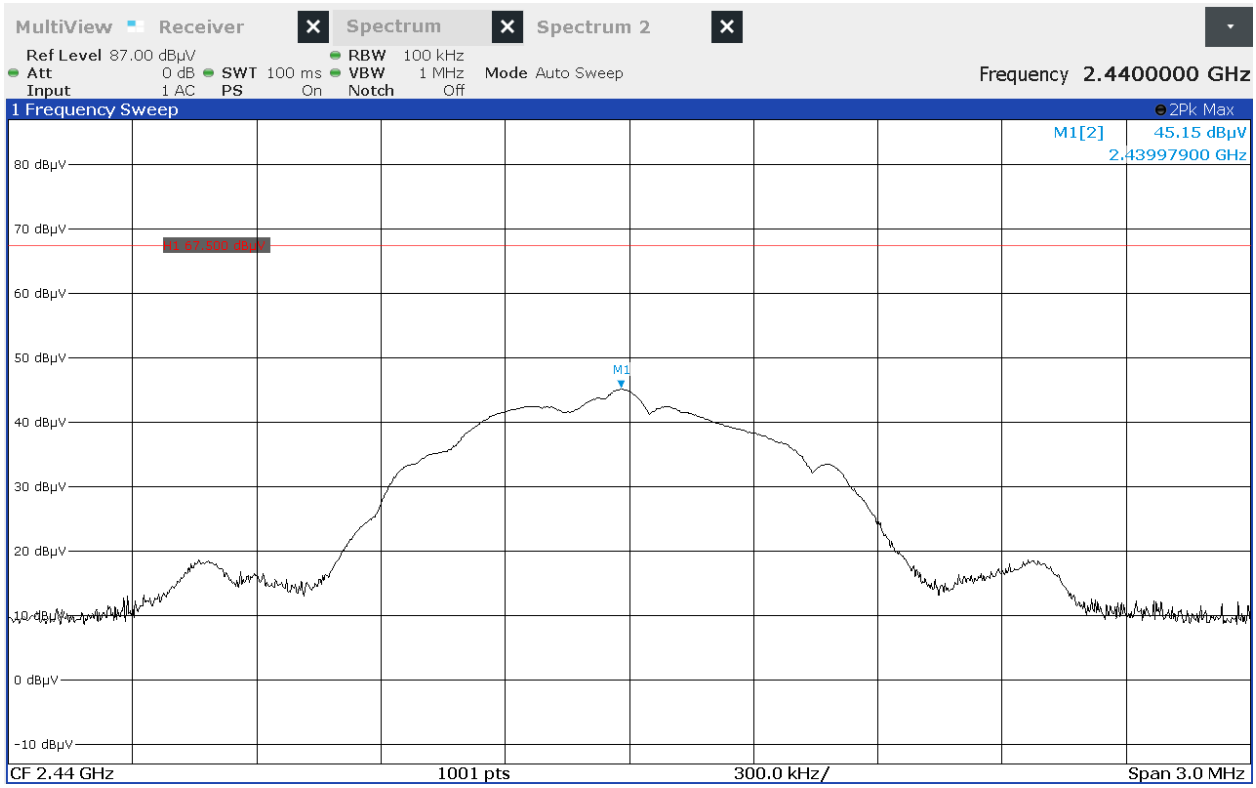


Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 9:23:32 AM
Notes : Ch0 10101010

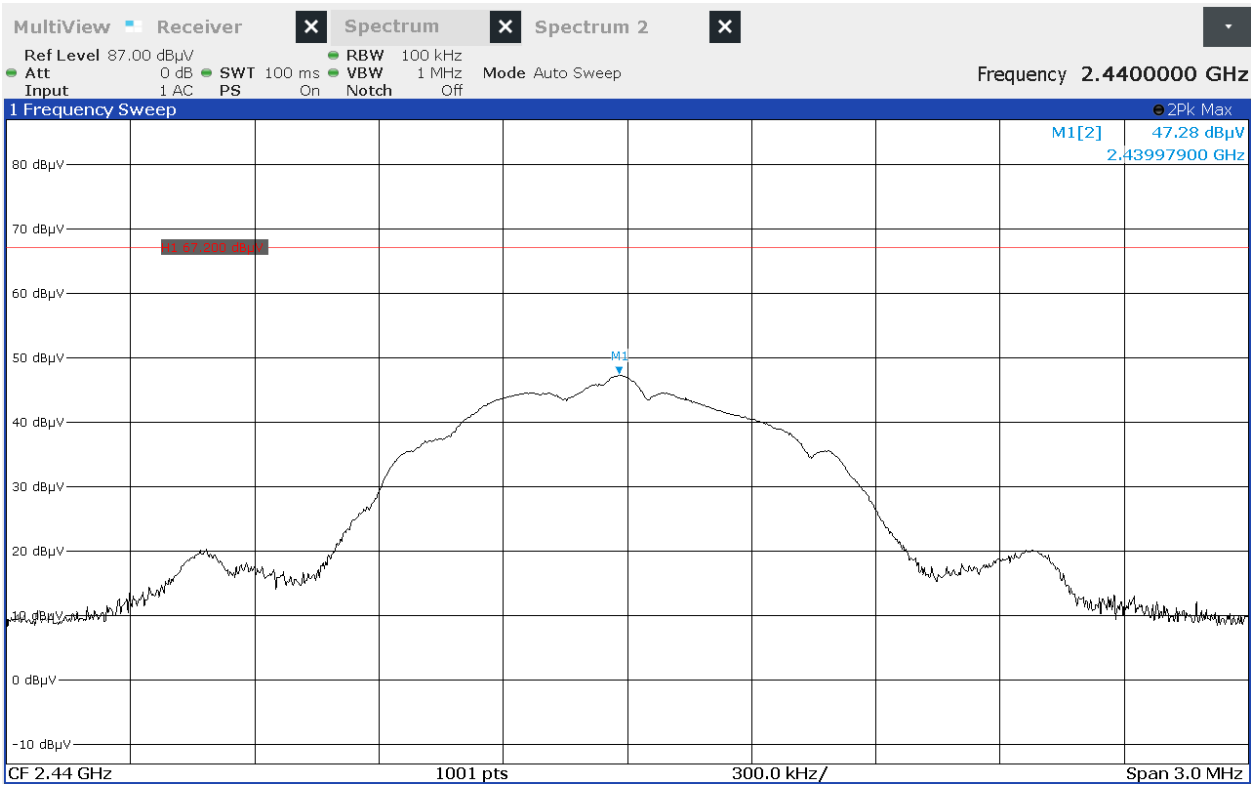
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2401.98	H	46.9		-15.1	5.3	2.7	-12.6	8.0	-20.6
2401.98	V	46.3		-15.4	5.3	2.7	-12.9	8.0	-20.9

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2440MHz
Notes	10101010 Pattern



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:43:39 AM
Notes : Ch19 10101010

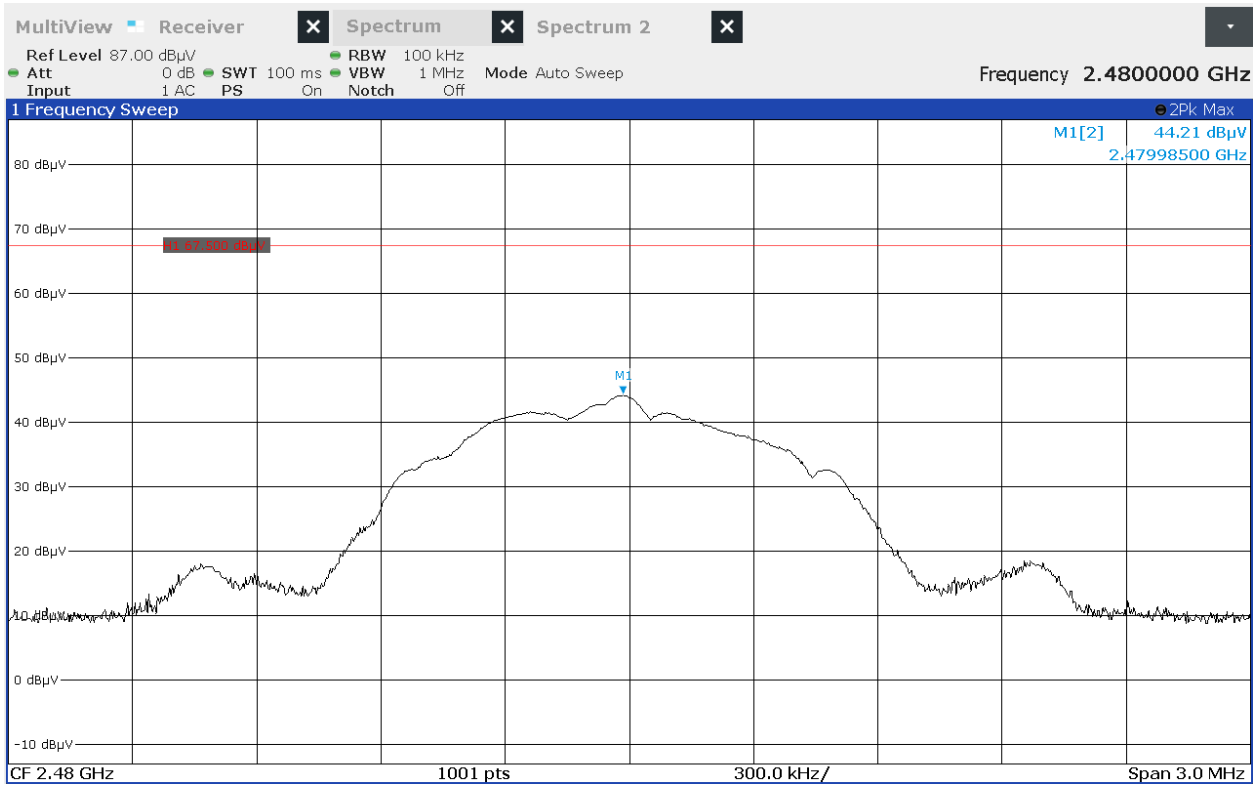


Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 9:36:17 AM
Notes : Ch19 10101010

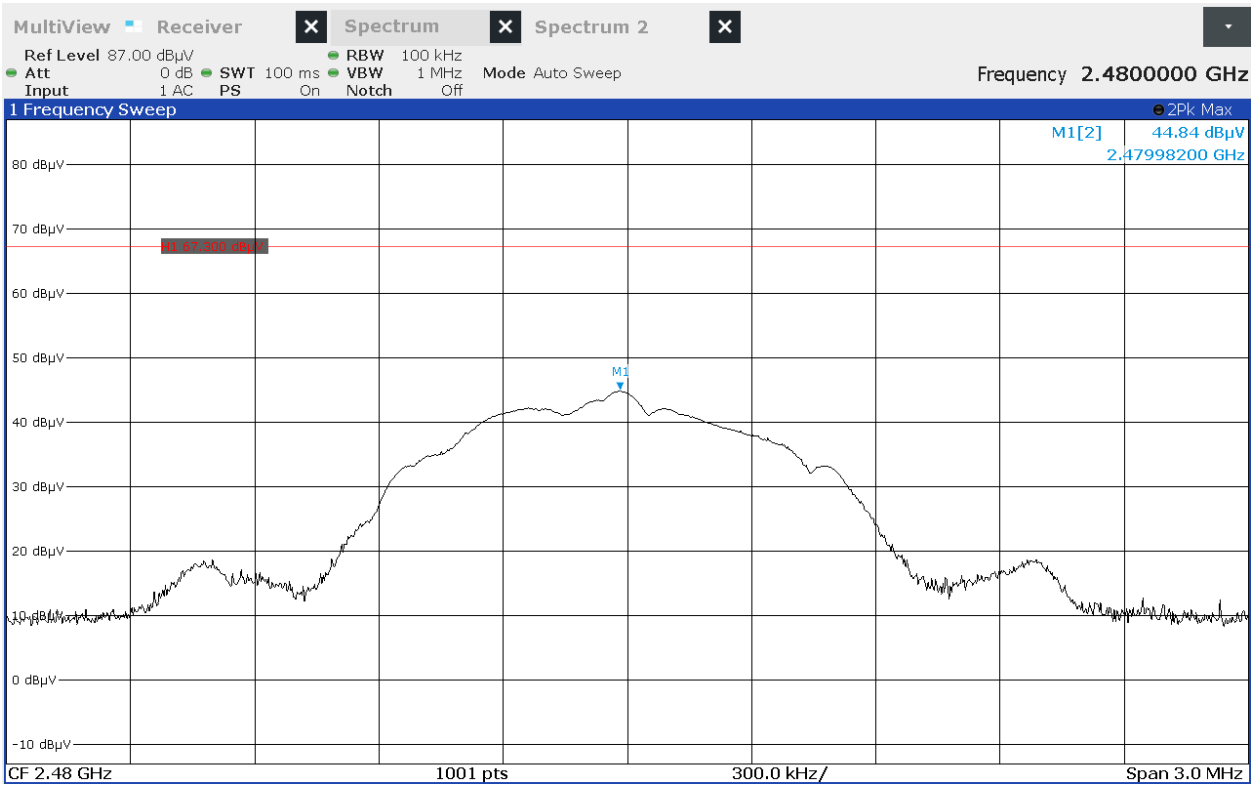
Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2439.98	H	45.2		-16.8	5.2	2.8	-14.3	8.0	-22.3
2439.98	V	47.3		-14.4	5.2	2.8	-11.9	8.0	-19.9

Test Details	
Manufacturer	Cala Health, Inc
EUT	tremor therapy device charging dock
Model No.	BW100
Serial No.	BA00067
Mode	Tx
Frequency Tested	2480MHz
Notes	10101010 Pattern



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Horizontal Antenna Polarization
Parameters :
Date : 3/14/2023 9:58:00 AM
Notes : Ch39 10101010



Power Spectral Density

Manufacturer : Cala Health
Model Number : BW100
Serial Number : BA000067
Mode : Tx
Line Tested : Vertical Antenna Polarization
Parameters :
Date : 3/14/2023 10:07:19 AM
Notes : Ch39 10101010

Freq. MHz	Ant Pol	Meter Reading (dBuV)	Ambient	Calculated Sig. Gen. Reading (dBm)	Equivalent Antenna Gain (dB)	Cable Loss (dB)	Peak Power (dBm)	Limit dBm	Margin dB
2479.99	H	44.2		-17.6	5.2	2.8	-15.3	8.0	-23.3
2479.98	V	44.8		-16.8	5.2	2.8	-14.4	8.0	-22.4