

41039 Boyce Road Fremont, CA. 94538

Radio Test Report

FCC Part 95 MedRadio Transmitter

Model: Battery Charger

FCC ID:	2AY43-GDCH1
COMPANY:	CCC del Uruguay Medical Devices General Paz 1371 Montevideo, MON 11400-UY
TEST SITE(S):	National Technical Systems 41039 Boyce Road. Fremont, CA. 94538-2435
PROJECT NUMBER:	PR136033
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TOTAL



VALIDATING SIGNATORIES

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REVISION HISTORY

Rev#	Date	Comments	Modified By
-	December 1,	First release	
	2021		



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SCOPE

Tests have been performed on the CCC del Uruguay Medical Devices model Battery Charger, pursuant to the relevant requirements of the following standard(s) in order to obtain device certification against the regulatory requirements of the Federal Communications Commission.

- Code of Federal Regulations (CFR) Title 47 Part 2
- CFR 47 Part 95 Subpart I (Medical Device Radio Communication Service)

Conducted and radiated emissions data has been collected, reduced, and analyzed within this report in accordance with measurement guidelines set forth in the following reference standards and as outlined in National Technical Systems test procedures:

ANSI C63.4:2014 ANSI TIA-603-D

Every practical effort was made to perform an impartial test using appropriate test equipment of known calibration. All pertinent factors have been applied to reach the determination of compliance.

National Technical Systems is accredited by the A2LA, certificate number 0214.26, to perform the test(s) listed in this report, except where noted otherwise.

The test results recorded herein are based on a single type test of the CCC del Uruguay Medical Devices model Battery Charger and therefore apply only to the tested sample. The sample was selected and prepared by Agustin Villavedra of CCC del Uruguay Medical Devices.



OBJECTIVE

The primary objective of the manufacturer is compliance with the regulations outlined in the previous section.

Certification is a procedure where the manufacturer submits test data and technical information to a certification body and receives a certificate or grant of equipment authorization upon successful completion of the certification body's review of the submitted documents. Once the equipment authorization has been obtained, the label indicating compliance must be attached to all identical units, which are subsequently manufactured.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product which may result in increased emissions should be checked to ensure compliance has been maintained (i.e., printed circuit board layout changes, different line filter, different power supply, harnessing or I/O cable changes, etc.).

STATEMENT OF COMPLIANCE

The tested sample of CCC del Uruguay Medical Devices model Battery Charger complied with the requirements of the standards and frequency bands declared in the scope of this test report.

Maintenance of compliance is the responsibility of the manufacturer. Any modifications to the product should be assessed to determine their potential impact on the compliance status of the device with respect to the standards detailed in this test report.

DEVIATIONS FROM THE STANDARDS

No deviations were made from the published requirements listed in the scope of this report.



TEST RESULTS

FCC Part 95

Rule Part	Description	Measured	Limit	Result
Transmitter fre	equency, power, bandwidth, modulation		ssions	
<pre>§2.1033(c) (5) § 95.2563(a)</pre>	Frequency range(s)	402.45 - 404.55 MHz	402-405 MHz	
<pre>§2.1033(c) (6) §2.1033(c) (7) §2.1046 §95.2567(a)(1)</pre>	EIRP (Calculated from Field Strength)	8.7µW -20.6dBm	25μW –16dBm	
§2.1033(c) (4)	Emission types	F1D	-	-
§2.1047 §95.2579(c)	Unwanted emissions	< 0.25µW < -36dBm	0.25µW -36dBm	
§2.1049 §95.2573(a)	Authorized Bandwidth	240 kHz	300 kHz	
Transmitter sp	urious emissions			
\$2.1053 \$2.1057 \$95.2579(a)	Field strength	20.6 dBµV/m @ 38.68 MHz (margin: -19.4 dB)	See table	
Other details				
95.2559	Frequency Monitoring	LBT Threshold power level -101.2 dBm Monitoring system bandwidth > 20 dB EBW Monitoring system scan cycle time 731 ms Monitoring system Minimum Channel monitoring period 0.1 ms / 10 ms Channel access based on ambient level above PTh Correct channel selection Discontinuation of MICS session	LBT Threshold power level -101.2 dBm Monitoring system bandwidth > 20 dB EBW Monitoring system scan cycle time < 5 seconds Monitoring system Minimum Channel monitoring period 0.1 ms / 10 ms Channel access based on ambient level above PTh Correct channel selection Discontinuation of MICS session	
\$2.1055 \$95.2565	Frequency stability	4.1 sec -11.6 ppm	< 5 seconds 100 ppm	
§2.1093	RF Exposure	Refer to separate exhibit	-	
§2.1033 (c) (8)	Final radio frequency amplifying circuit's dc voltages and currents for normal operation over the power range	3.0V 6.5mA		



EXTREME CONDITIONS

Frequency stability is determined over extremes of temperature and voltage. As the device is hand carried, battery powered equipment, the supply voltage was reduced to the battery operating end point of 3.3Vdc as specified by the manufacturer.

The extremes of temperature were 25°C to 45°C as specified in FCC §95.628(e)(1).

The extremes of temperature were 0° C to $+55^{\circ}$ C as specified in FCC §95.628(e)(2) for stations in the Medical Device Radiocommunication Service.

MEASUREMENT UNCERTAINTIES

ISO Guide 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 are based on a 95% confidence level (based on a coverage factor (k=2) and were calculated in accordance with NAMAS document NIS 81 and M3003.

Measurement Type	Measurement Unit	Frequency Range	Expanded Uncertainty
RF frequency	Hz	25 to 7,000 MHz	1.7 x 10 ⁻⁷
Radiated emission (substitution method)	dBm	25 to 40,000 MHz	$\pm 2.5 \text{ dB}$
Radiated emission (field strength)	dBµV/m	25 to 1,000 MHz 1 to 40 GHz	$\begin{array}{c} \pm \ 3.6 \ dB \\ \pm \ 6.0 \ dB \end{array}$



EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL

The CCC del Uruguay Medical Devices model Battery Charger is a charger that is designed to charge batteries in an implant. Since the EUT could be placed in any position during operation, the EUT was treated as tabletop equipment during testing to simulate the end-user environment. The electrical rating of the EUT is 4.2VDC from the supplied AC charger.

The sample was received on April 13, 2021 and tested on April 15, 16 and 19 and October 12, 2021. The EUT consisted of the following component(s):

Company	Model	Description	Serial Number	FCC ID
CCC dell Uruguay	13-100-005	Guardio Charger	000047	2AY43-GDCH1
Cell-Con	452241-LA	1-cell Li-lon charger	000008	-

OTHER EUT DETAILS

The following EUT details should be noted: The 3G radio module is disabled in firmware. The Battery Charger transmits a wake-up signal at 13.56 MHz and then communicates with an implant using the MICS band.

ANTENNA SYSTEM

The antenna system consists of an integral chip.

ENCLOSURE

The EUT enclosure is primarily constructed of plastic. It measures approximately 9 cm wide by 15 cm deep by 3.5 cm high.

MODIFICATIONS

No modifications were made to the EUT during the time the product was at NTS Silicon Valley.

SUPPORT EQUIPMENT

The following equipment was used as local support equipment for testing:

Company	Model	Description	Serial Number	FCC ID
CCC Del Uruguay	CCM X11	Implant	A00032	2AY43-CCMX11
CCC Del Uruguay	CCM X11	Implant	A00022	2AY43-CCMX11

Note: One IPG paired with the Battery Charger was used for each test but not both for the same test.

The following equipment was used as remote support equipment for testing:

Company	Model	Description	Serial Number	FCC ID
Getac				
Impulse Dynamics	13-100-007	Intelio Programming Interface	000082	N/A
Impulse Dynamics	13-100-008	Intelio Programming Wand	000081	2AY43-INPW0

EUT INTERFACE PORTS

The I/O cabling configuration during testing was as follows:

Port	Connected To	Cable(s)			
1 011		Description	Shielded or Unshielded	Length(m)	
Charger Wand cable	Wand	Multiwire	Unshielded	1.4	
Charging	AC Adapter	Two wire	Unshielded	1.6	

EUT OPERATION

During emissions testing the EUT was commanded via the programming wand using scripts on the tablet to operate in the desired mode for the particular test (i.e. Tx Modulated 400 MHz for continuous transmit on a channel in the 402-405 MHz band, Tx Modulated 13 MHz for continuous transmit at 13.56 and Rx Emissions, or Search Loop for continuous attempts to establish a link in the MICS band).



TESTING

GENERAL INFORMATION

Final test measurements were taken at the test sites listed below. Pursuant to section 2.948 of the FCC's Rules, NTS has been recognized as an accredited test laboratory by the Commission. A description of the facilities employed for testing is maintained by NTS.

Site	Designation / Registration Numbers	Location
Chamber 4 & 5	US1031	41039 Boyce Road Fremont, CA 94538-2435

ANSI C63.4 recommends that ambient noise at the test site be at least 6 dB below the allowable limits. Ambient levels are below this requirement. The test site(s) contain separate areas for radiated and conducted emissions testing. Results from testing performed in this chamber have been correlated with results from an open area test site. Considerable engineering effort has been expended to ensure that the facilities conform to all pertinent requirements of ANSI C63.4.



BANDWIDTH MEASUREMENTS

The 6dB, 20dB and/or 26dB signal bandwidth is measured in using the bandwidths recommended by ANSI C63.4. When required, the 99% bandwidth is measured using the methods detailed in RSS GEN. The measurement bandwidth is set to be at least 1% of the instrument's frequency span.

FREQUENCY STABILITY

The EUT is placed inside a temperature chamber with all support and test equipment located outside of the chamber. The temperature is varied across the specified frequency range in 10 degree increments with frequency measurements made at each temperature step. The EUT is allowed enough time to stabilize at each temperature variation.

The spectrum analyzer is configured to give a 5- or 6-digit display for the markerfrequency function. The spectrum analyzer's built-in frequency counter is used to measure the maximum deviation of the fundamental frequency at each temperature. Where possible the device is set to transmit an unmodulated signal. Where this is not possible the frequency drift is determined by finding a stable point on the signal (e.g. the null at the centre of an OFDM signal) or by calculating a centre frequency based on the upper and lower XdB points (where X is typically 6dB or 10dB) on the signal's skirts.



RADIATED EMISSIONS MEASUREMENTS

Receiver radiated spurious emissions measurements are made in accordance with ANSI C63.4:2014 by measuring the field strength of the emissions from the device at a specific test distance and comparing them to a field strength limit. Where the field strength limit is specified at a longer distance than the measurement distance the measurement is extrapolated to the limit distance.

Transmitter radiated spurious emissions are initially measured as a field strength. The eirp or erp limit as specified in the relevant rule part(s) is converted to a field strength at the test distance and the emissions from the EUT are then compared to that limit. Emissions within 20dB of this limit are the subjected to a substitution measurement.

All radiated emissions measurements are performed in two phases. A preliminary scan of emissions is conducted in either an anechoic chamber or on an OATS during which all significant EUT frequencies are identified with the system in a nominal configuration. At least two scans are performed across the complete frequency range of interest and at each operating frequency identified in the reference standard. One or more of these is with the antenna polarized vertically while the one or more of these is with the antenna polarized horizontally. Initial scans are made using a peak detector (RBW=VBW) and using scan rates to ensure that the EUT transmits before the sweep moves out of each resolution bandwidth (for transmit mode).

During the preliminary scans, the EUT is rotated through 360° , the antenna height is varied and cable positions are varied to determine the highest emission relative to the limit. For transmitter spurious emissions, where the limit is expressed as an effective radiated power, the eirp or erp is converted to a field strength limit.

Final measurements are made on an OATS or in a semi-anechoic chamber at the significant frequencies observed during the preliminary scan(s) using the same process of rotating the EUT and raising/lowering the measurement antenna to find the highest level of the emission. The field strength is recorded and, for receiver spurious emissions, compared to the field strength limit. For the final measurement the appropriate detectors (average, peak, normal, sample, quasi-peak) are used. For receiver measurements below 1GHz the detector is a Quasi-Peak detector, above 1GHz a peak detector is used and the peak value (RB=VB=1MHz) and average value (RB=1MHz, VB=10Hz) are recorded.

For transmitter spurious emissions, the radiated power of all emissions within 20dB of the calculated field strength limit are determined using a substitution measurement. The substitution measurement is made by replacing the EUT with an antenna of known gain (typically a dipole antenna or a double-ridged horn antenna), connected to a signal source. The output power of the signal generator is adjusted until the maximum field strength from the substitution antenna is similar to the field strength recorded from the EUT. The erp of the EUT is then calculated.



INSTRUMENTATION

An EMI receiver as specified in CISPR 16-1-1 is used for radiated emissions measurements. The receivers used can measure over the frequency range of 9 kHz up to 7000 MHz. These receivers allow both ease of measurement and high accuracy to be achieved. The receivers have Peak, Average, and CISPR (Quasi-peak) detectors built into their design so no external adapters are necessary.

For measurements above the frequency range of the receivers and for all conducted measurements a spectrum analyzer is utilized because it provides visibility of the entire spectrum along with the precision and versatility required to support engineering analysis.

Measurement bandwidths for the test instruments are set in accordance with the requirements of the standards referenced in this document.

Software control is used to correct the measurements for transducer factors (e.g. antenna) and the insertion loss of cables, attenuators and other series elements to obtain the final measurement value. This provides faster, more accurate readings by performing the conversions described under Sample Calculations within the Test Procedures section of this report. Results are exported in a graphic and/or tabular format, as appropriate.

FILTERS/ATTENUATORS

External filters and precision attenuators are often connected between the EUT antenna port or receiving antenna and the test receiver. This eliminates saturation effects and non-linear operation due to high amplitude transient events.

ANTENNAS

A combination of biconical, log periodic or bi-log antennas are used to cover the range from 30 MHz to 1000 MHz. Broadband antennas or tuned dipole antennas are used over the entire 25 to 1000 MHz frequency range as the reference antenna for substitution measurements.

Above 1000 MHz, a dual-ridge guide horn antenna or octave horn antenna are used as reference and measurement antennas.

The antenna calibration factors are included in site factors that are programmed into the test receivers and instrument control software when measuring the radiated field strength.

ANTENNA MAST AND EQUIPMENT TURNTABLE

The antennas used to measure the radiated electric field strength are mounted on a nonconductive antenna mast equipped with a motor-drive to vary the antenna height.

Table mounted devices are placed on a non-conductive table at a height of 80 centimeters above the floor. Floor mounted equipment is placed on the ground plane if the device is normally used on a conductive floor or separated from the ground plane by insulating material from 3 to 12 mm if the device is normally used on a non-conductive floor. The EUT is positioned on a motorized turntable to allow it to be rotated during testing to determine the angle with the highest level of emissions.



SAMPLE CALCULATIONS

SAMPLE CALCULATIONS - CONDUCTED SPURIOUS EMISSIONS

Measurements are compared directly to the conducted emissions specification limit (decibel form). The calculation is as follows:

$$R_r - S = M$$

where:

 R_r = Measured value in dBm

S = Specification Limit in dBm

M = Margin to Specification in +/- dB

SAMPLE CALCULATIONS -RADIATED FIELD STRENGTH

Measurements of radiated field strength are compared directly to the specification limit (decibel form). The receiver and/or control software corrects for cable loss, preamplifier gain, and antenna factor. The calculations are in the reverse direction of the actual signal flow, thus cable loss is added and the amplifier gain is subtracted. The Antenna Factor converts the voltage at the antenna coaxial connector to the field strength at the antenna elements.

A distance factor is used when measurements are made at a test distance that is different to the specified limit distance by using the following formula:

$$F_d = 20*LOG_{10} (D_m/D_s)$$

where:

 F_d = Distance Factor in dB D_m = Measurement Distance in meters D_s = Specification Distance in meters

For electric field measurements below 30MHz the extrapolation factor is either determined by making measurements at multiple distances or a theoretical value is calculated using the formula:

$$F_d = 40*LOG_{10} (D_m/D_s)$$

The margin of a given emission peak relative to the limit is calculated as follows:

 $R_c = R_r + F_d$

and

 $M = R_c - L_s$

where:

- $R_r = Receiver Reading in dBuV/m$
- F_d = Distance Factor in dB
- R_c = Corrected Reading in dBuV/m
- L_S = Specification Limit in dBuV/m
- M = Margin in dB Relative to Spec

SAMPLE CALCULATIONS – RADIATED POWER

The erp/eirp limits for transmitter spurious measurements are converted to a field strength in free space using the following formula:

$$E = \frac{\sqrt{30 P G}}{D}$$

where:

- E = Field Strength in V/m
- P = Power in Watts
- G = Gain of isotropic antenna (numeric gain) = 1
- D = measurement distance in meters

The field strength limit is then converted to decibel form (dBuV/m) and the margin of a given emission peak relative to the limit is calculated (refer to *SAMPLE CALCULATIONS* –*RADIATED FIELD STRENGTH*).

When substitution measurements are required (all signals with less than 20dB of margin relative to the calculated field strength limit) the eirp of the spurious emission is calculated using:

and

 $P_{EUT} = P_{S} - (E_{S} - E_{EUT})$

$$P_s = G + P_{in}$$

where:

 P_{S} = effective isotropic radiated power of the substitution antenna (dBm)

- P_{in} = power input to the substitution antenna (dBm)
- G = gain of the substitution antenna (dBi)
- E_{S} = field strength the substitution antenna (dBm) at eirp P_{S}

 E_{EUT} = field strength measured from the EUT

Where necessary the effective isotropic radiated power is converted to effective radiated power by subtracting the gain of a dipole (2.2dBi) from the eirp value.



RADIATED SPURIOUS EMISSIONS SPECIFICATION LIMITS

The table below shows the limits for the spurious emissions from receivers as detailed in FCC Part 95.2579(a)(5).

Frequency Range (MHz)	Limit (uV/m @ 3m)	Limit (dBuV/m @ 3m)
30 to 88	100	40
88 to 216	150	43.5
216 to 960	200	46.0
Above 960	500	54.0



Appendix A Test Equipment Calibration Data

Manufacturer Badiated Emissions	<u>Description</u> 5, 25 - 4,100 MHz, 15, 16-Apr	Model	Asset #	Calibrated	Cal Due
National Technical Systems	NTS EMI Software (rev 2.10)	-21 N/A	WC022452	N/A	
Hewlett Packard	Microwave Preamplifier, 1- 26.5GHz	8449B	WC064416	8/26/2020	8/26/2021
EMCO	Antenna, Horn, 1-18 GHz (SA40-Red)	3115	WC064432	12/21/2020	12/21/2022
Sunol Sciences Hewlett Packard Rhode & Schwarz	Biconilog, 30-3000 MHz 9KHz-1300MHz pre-amp EMI Test Receiver 20Hz- 26.5GHz	JB3 8447F ESI	WC064536 WC064718 WC071498	1/29/2021 12/7/2020 5/4/2020	3/23/2023 12/7/2021 5/4/2021
Radiated Emissions	s, 0.15 - 1,000 MHz, 16-Apr-2	1			
National Technical Systems	NTS EMI Software (rev 2.10)	N/A	WC022452	N/A	
Rhode & Schwarz	Loop Antenna	HFH2-Z2	WC062457	1/23/2020	1/23/2022
Sunol Sciences	Biconilog, 30-3000 MHz	JB3	WC064582	7/8/2020	7/8/2022
Rohde & Schwarz	EMI test receiver, 20Hz- 40GHz	ESI	WC068000	6/17/2020	6/17/2021
Rhode & Schwarz	EMI Test Receiver 20Hz- 26.5GHz	ESI	WC071498	5/4/2020	5/4/2021
Com-Power	RF Preamplifier	PAM-103	WC072429	11/14/2020	11/14/2021
Frequency Stability,	, 19-Apr-21				
Agilent Technologies	PSA Spectrum Analyzer	E4446A	WC055650	8/20/2020	8/20/2021
Conducted Emissio	ns - AC Power Ports, 21-Ap	r-21			
ETS-Lindgren	EMC Chamber #3	FACT-10	WC055565	8/4/2019	8/4/2022
EMCO	LISN, 10 kHz-100 MHz	3825/2	WC064407	7/4/2020	7/4/2021
Rohde & Schwarz	Pulse Limiter	ESH3 Z2	WC064445	7/6/2020	7/6/2021
Rohde & Schwarz	EMI test receiver, 20Hz- 40GHz	ESI	WC068000	6/17/2020	6/17/2021
LBT and Rx Blockin	g. 06-Mav-21				
Agilent Technologies	PSA Spectrum Analyzer	E4446A	WC055650	8/20/2020	8/20/2021
Agilent Technologies	Signal Generator (Vector) (PSG)	E8267D	WC055673	4/22/2021	4/22/2022
EMCO	Log Periodic Antenna, 0.2- 1 GHz	3146	WC064408	N/A	
EMCO	Log Periodic Antenna, 0.2- 2 GHz	3148	WC064469	N/A	
Rohde & Schwarz	Signal Generator 100kHz - 12.75GHz	SMB 100A	WC068098	N/A	
LBT, 12-Oct-21					
Agilent	PSA Spectrum Analyzer	E4446A	WC055650	8/27/2021	8/27/2022
Technologies Agilent	Signal Generator (Vector)	E8267D	WC055673	4/22/2021	4/22/2022
Technologies EMCO	(PSG) Log Periodic Antenna, 0.2-	3146	WC064408	N/A	



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<u>Manufacturer</u>	<u>Description</u> 1 GHz	<u>Model</u>	Asset #	Calibrated	<u>Cal Due</u>
EMCO	Log Periodic Antenna, 0.2- 2 GHz	3148	WC064469	N/A	
Rohde & Schwarz	Signal Generator 100kHz - 12.75GHz	SMB 100A	WC068098	N/A	



Appendix B Test Data

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EMC Test Data

Client: CCC del Uruguay Medical Devices	PR Number: PR136033	
Product Battery Charger	T-Log Number: TL136033-RA-BC	
System Configuration: -	Project Manager: Christine Krebill	
Contact: Agustin Villavedra	Project Engineer: David Bare	
Emissions Standard(s): FCC Parts 15, 18, 95, EN 55011, EN 301 839	Class: B, Group 2	
Immunity Standard(s):	Environment: Radio	

EMC Test Data

For The

CCC del Uruguay Medical Devices

Product

Battery Charger

Date of Last Test: 10/12/2021

Client:	CCC del Uru	uguay Medical Devices			Job Number: PR136033	
Model	Pattony Cha	raor		T·	-Log Number: TL136033-RA-BC	
	Battery Cha	-		Project Manager: Christine Krebill		
	Agustin Villa		Project Coordinator: David Bare			
Standard:	FCC Parts 1	5, 18, 95, EN 55011, EN 301 839		Class: N/A		
		Radia	ted Emissions			
Fest Spec	c ific Detai Objective:	S The objective of this test session is to specification listed above.	perform engineering eva	Iuation testi	ing of the EUT with respect to the	
Te	est Engineer:	4/15-16/2021 D. Bare, D. Demici, M. Birgani Fremont Chamber #4	Config. Used: Config Change: EUT Voltage:	None		
	Cost Confi	nuration				
		on the turntable for radiated emissions	testing. The EUT was to	ested in all t	hree orthogonal orientations.	
	was located	-	Ũ		hree orthogonal orientations.	
The EUT The test d Note, prel antenna.	was located listance and liminary testin Maximized to	on the turntable for radiated emissions	detailed under each run o aximized by orientation o	description. of the EUT a	and elevation of the measurement	
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The EUT The test of Note, prel antenna, a Ambient of Summary Ru 2	was located distance and liminary testin Maximized to and manipula Condition: <u>of Result</u> in #	on the turntable for radiated emissions extrapolation factor (if applicable) are on ing indicates that the emissions were m esting indicated that the emissions were ation of the EUT's interface cables. S: Temperature: Rel. Humidity: S Test Performed	detailed under each run o aximized by orientation o re maximized by orientation 24-25 °C 33-34 % Limit	description. of the EUT a ion of the EU Result	And elevation of the measurement JT, elevation of the measurement Value / Margin 80.6 dBµV/m @ 402.45 MHz	
The EUT The test d Note, prel antenna, a Ambient d Summary Ru 2	was located distance and liminary testin Maximized to and manipula Condition: <u>of Result</u> <u>of Result</u> 2	on the turntable for radiated emissions extrapolation factor (if applicable) are on ing indicates that the emissions were m esting indicated that the emissions were ation of the EUT's interface cables. S: Temperature: Rel. Humidity: S Test Performed Fundamental Signal Field Strength Transmitter Radiated Spurious	detailed under each run of aximized by orientation of re maximized by orientation 24-25 °C 33-34 % Limit FCC Part 95.2569	description. of the EUT a ion of the EU Result Pass	Value / Margin 80.6 dBµV/m @ 402.45 MHz (margin: -4.6 dB) 20.6 dBµV/m @ 38.68 MHz (margin)	
The EUT The test of Note, prel antenna, a Ambient of Summary Ru 2 2	was located distance and liminary testin Maximized to and manipula Condition (of Result In # 2	on the turntable for radiated emissions extrapolation factor (if applicable) are on ing indicates that the emissions were me esting indicated that the emissions were ation of the EUT's interface cables. S: Temperature: Rel. Humidity: S Test Performed Fundamental Signal Field Strength Transmitter Radiated Spurious Emissions, 25 - 4,100 MHz	detailed under each run of aximized by orientation of re maximized by orientation 24-25 °C 33-34 % Limit FCC Part 95.2569 FCC Part 95.2579	description. of the EUT a ion of the EU Result Pass Pass	Value / Margin 80.6 dBµV/m @ 402.45 MHz (margin: -4.6 dB) 20.6 dBµV/m @ 38.68 MHz (margi -19.4 dB)	
The EUT The test d Note, prel antenna, a Ambient d Summary Ru	was located distance and liminary testin Maximized to and manipula Condition: <u>of Result</u> 2 2 3	on the turntable for radiated emissions extrapolation factor (if applicable) are on ing indicates that the emissions were me esting indicated that the emissions were ation of the EUT's interface cables. S: Temperature: Rel. Humidity: S Test Performed Fundamental Signal Field Strength Transmitter Radiated Spurious Emissions, 25 - 4,100 MHz 20dB Bandwidth	detailed under each run of aximized by orientation of re maximized by orientation 24-25 °C 33-34 % Limit FCC Part 95.2569 FCC Part 95.2579 FCC Part 95	description. of the EUT a ion of the EU Pass Pass Pass	Value / Margin 80.6 dBµV/m @ 402.45 MHz (margin: -4.6 dB) 20.6 dBµV/m @ 38.68 MHz (margi -19.4 dB) 240 kHz	



EMC Test Data

Client:	CCC del Uruguay Medical Devices	Job Number:	PR136033
Model	Battery Charger	T-Log Number:	TL136033-RA-BC
MOUEI.	Dallery Charger	Project Manager:	Christine Krebill
Contact:	Agustin Villavedra	Project Coordinator:	David Bare
Standard:	FCC Parts 15, 18, 95, EN 55011, EN 301 839	Class:	N/A

Run #1: Preliminary Radiated Emissions, Fundamental

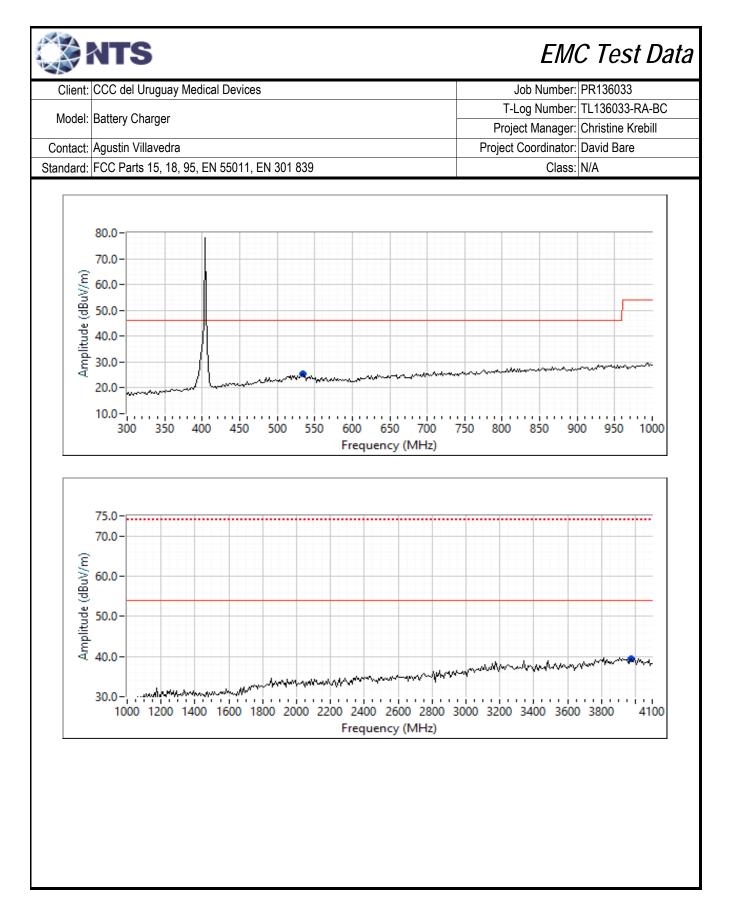
Frequency Range	Test Distance	Limit Distance	Extrapolation Factor
25 - 4,100 MHz	3	3	0.0

High Channel

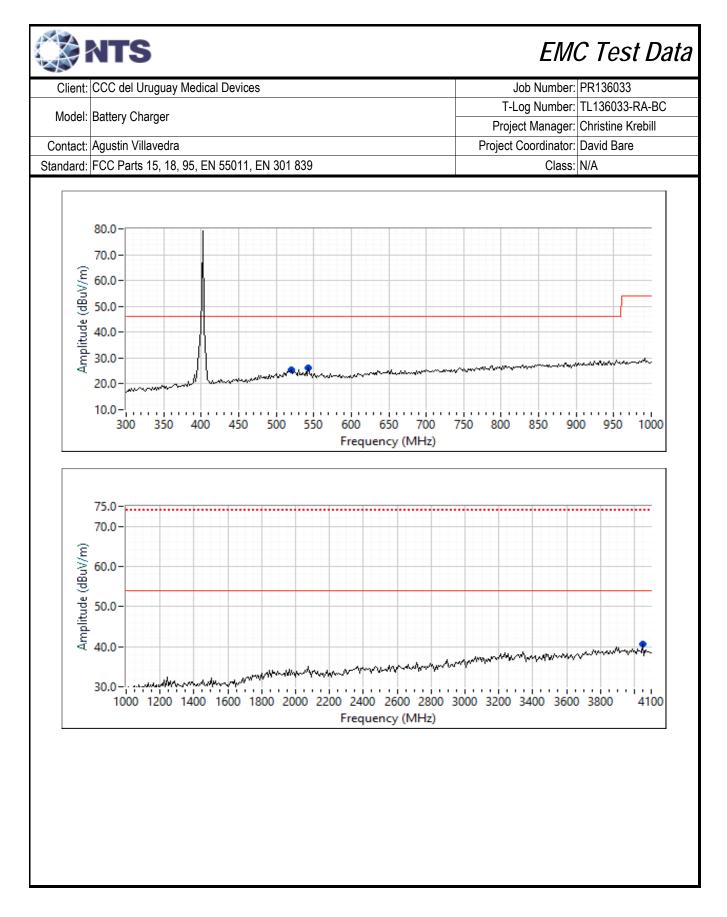
Frequency	Level	Pol	FCC p	oart 95	Detector	Azimuth	Height	Comments
MHz	dBµV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
404.550	79.3	Н	85.2	-5.9	PK	309	1.0	Flat orientation
404.550	75.5	Н	85.2	-9.7	PK	313	1.0	Side orientation
404.550	75.0	V	86.2	-11.2	PK	314	1.5	Upright orientation

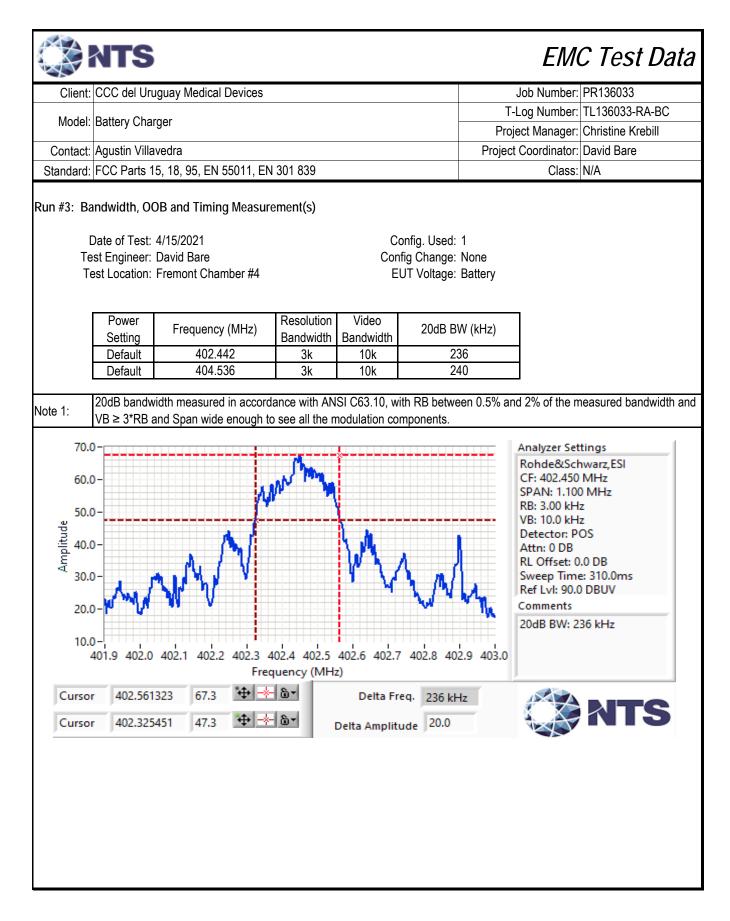
Note 1: All	Il 3 orientations were tested, upright orientation was worse case and all tests were performed upright.
Note 2: Lim	mit for field strength calculated from FCC §95.2569 limit of 18.2 uV/m for testing in a semi-anechoic chamber.

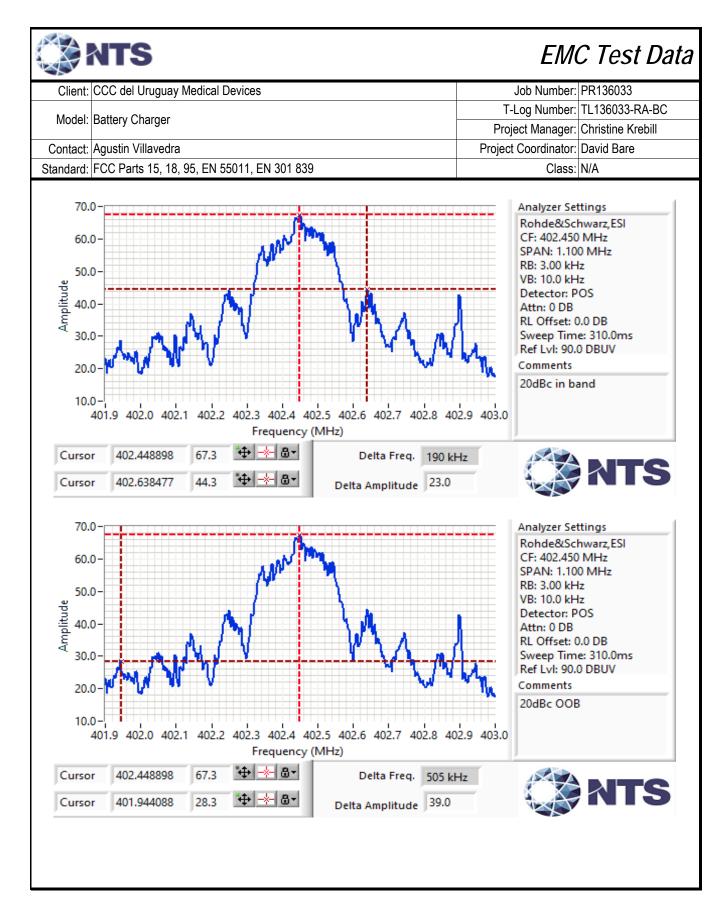
Client:	CCC del Uru	iguay Medica	al Devices					Job Number: P	
Model:	Battery Char	aer					T-Log Number: TL136033-RA-BC		
	-	-					Project Manager: Christine Krebill		
Contact:	Agustin Villa	vedra					Project	Coordinator: D	avid Bare
Standard:	FCC Parts 1	5, 18, 95, EN	N 55011, EN	301 839				Class: N	/A
Run #2: Ma	ximized Rea	adings - Fur	ndamental a	nd Transmi	tter Spurious	Emissions	, 25 - 4,100	MHz	
	Fre	equency Ran	ge	Test D	istance	Limit D	istance	Extrapolatio	n Factor
		5 - 4,100 MH			3	3	}	0.0	
ligh Chanr Tundament	el al Field Stre	ngth		Limit is 25µ	W EIRP ~ 85.	2 dBuV/m @) 3m		
Frequency	Level	Pol	FCC p	part 95	Detector	Azimuth	Height	Comments	
MHz	dBµV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters		
404.560	79.3	Н	85.2	-5.9	PK	310	1.0	PK (0.10s); B\	
404.560	69.7	V	85.2	-15.5	PK	292	1.0	PK (0.10s); B\	N: 1 MHz
purious Ei	missions								
requency	Level	Pol	FCC r	part 95	Detector	Azimuth	Height	Comments	
MHz	dBµV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters		
38.680	20.6	V	40.0	-19.4	QP	28	1.0	QP (1.00s)	
30.295	20.0	Н	40.0	-20.0	QP	357	3.7	QP (1.00s)	
73.613	15.1	V	40.0	-24.9	QP	271	1.8	QP (1.00s)	
77.442	14.9	V	40.0	-25.1	QP	170	1.2	QP (1.00s)	
533.868	19.5	V	46.0	-26.5	QP	53	1.0	QP (1.00s)	
219.988	17.4	V	46.0	-28.6	QP	286	1.5	QP (1.00s)	
3975.750	39.4	V	54.0	-14.6	Pk	168	1.8	Highest noise	floor reading
Note 1:	For spurious	emissions,	QP detector	used below	1GHz, Peak a	nd average	detectors at	ove 1GHz.	
	50.0-								
			- F						
<u>)</u>	40.0-								
- À									
(qB)	30.0-								
de			-				•		
olitu	20.0-	կ		mangenet	contra una		للارال م	1	manyman
Amplitude (dBuV/m)	10.0-	Un	W. James	haa		m.Almha	«Ն _{Ն-ՎՆ-} ԼՈՍՆՍՍ	allalla and	
	0.0-								

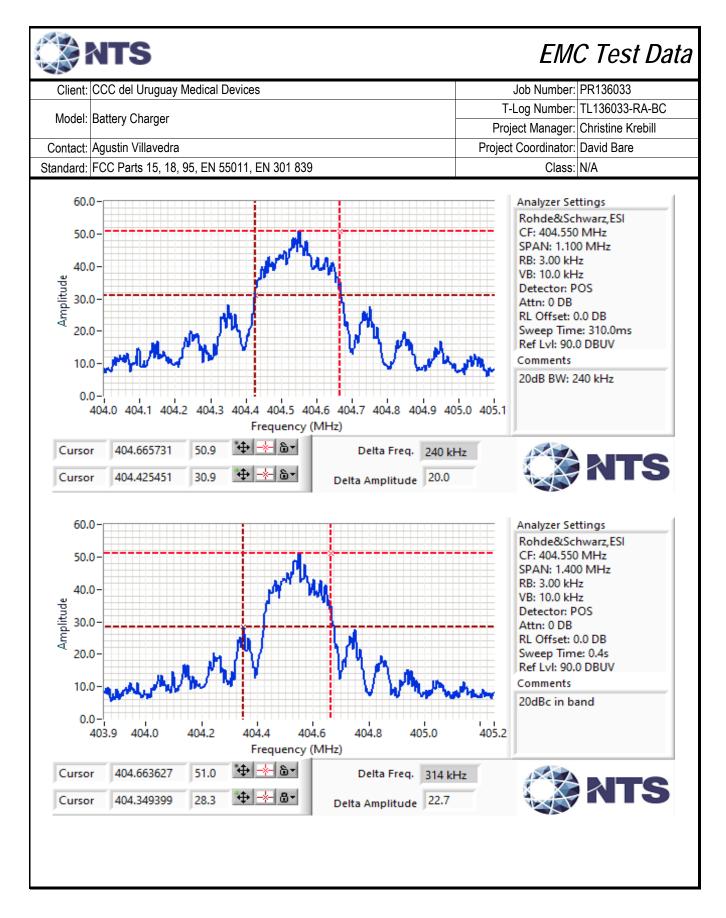


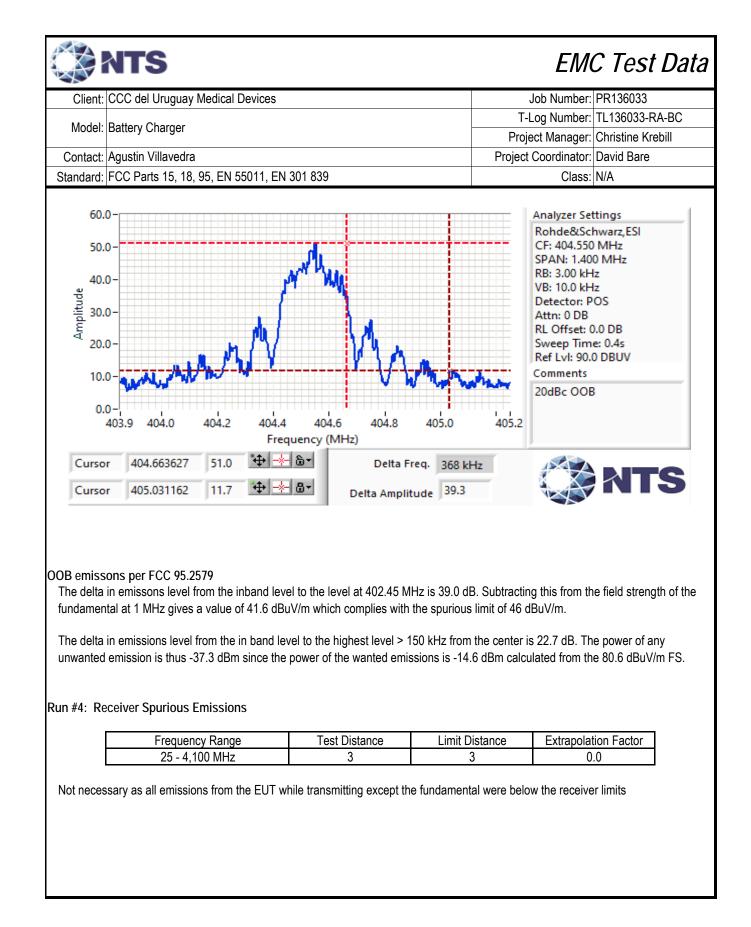
Client:	CCC del Urug	quay Medica	al Devices					Job Number: PR136033	
								Log Number: TL136033-RA-BC	
Model:	Battery Charç	ger					Project Manager: Christine Krebill		
Contact:	Agustin Villav	vedra					Project	t Coordinator: David Bare	
Standard:	d: FCC Parts 15, 18, 95, EN 55011, EN 301 839						Class: N/A		
ow Chann	el ntal Field Str	enath							
Frequency	Level	Pol	FCC p	oart 95	Detector	Azimuth	Height	Comments	
MHz	dBµV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters		
402.450	80.6	Н	85.2	-4.6	PK	309	1.0	PK (0.10s); BW: 1 MHz	
402.450	71.0	V	85.2	-14.2	PK	291	1.0	PK (0.10s); BW: 1 MHz	
Sourique	Emissions								
Frequency	Level	Pol	FCC p	part 95	Detector	Azimuth	Height	Comments	
MHz	dBµV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters		
			40.0	-20.5	QP	324	2.0	QP (1.00s)	
30.707	19.5	V	10.0					1 · · · · ·	
30.707 515.089	19.5 19.4	Н	46.0	-26.6	QP	257	2.0	QP (1.00s)	
30.707 515.089 548.195	19.4 19.2	H H	46.0 46.0	-26.6 -26.8	QP	83	1.6	QP (1.00s)	
30.707 515.089 548.195 36.825	19.4 19.2 18.7	H H V	46.0 46.0 40.0	-26.6 -26.8 -21.3	QP QP	83 17	1.6 1.0	QP (1.00s) QP (1.00s)	
30.707 515.089 548.195 36.825 4050.300	19.4 19.2 18.7 40.6 For spurious	H H V V	46.0 46.0 40.0 54.0	-26.6 -26.8 -21.3 -13.4	QP	83 17 360	1.6 1.0 1.3	QP (1.00s) QP (1.00s) Highest nooise floor reading	
30.707 515.089 548.195 36.825 4050.300	19.4 19.2 18.7 40.6 For spurious 50.0- 40.0- 30.0-	H H V V emissions, (46.0 46.0 40.0 54.0	-26.6 -26.8 -21.3 -13.4	QP QP PK	83 17 360	1.6 1.0 1.3	QP (1.00s) QP (1.00s) Highest nooise floor reading	

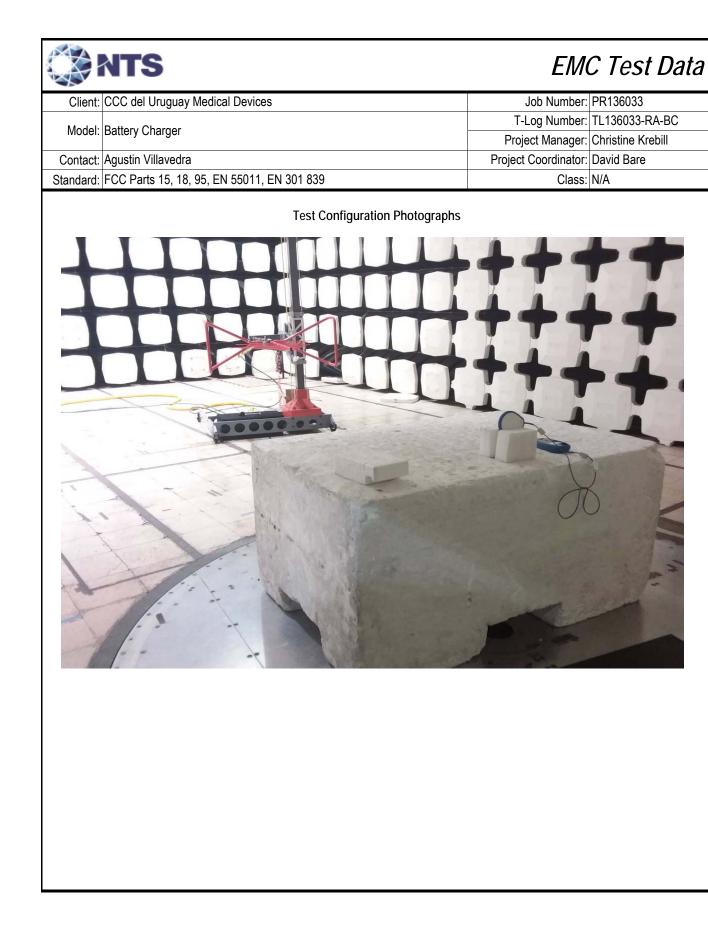


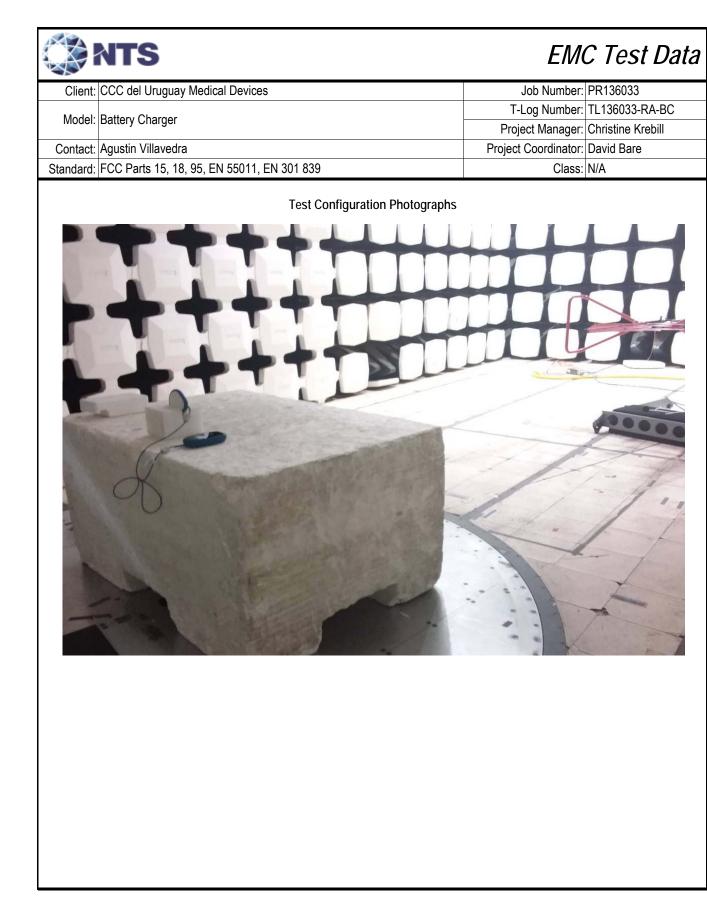












		SUCCESS	EM	C Test Data
Client:	CCC del Uru	uguay Medical Devices	Job Number:	PR136033
Madal			T-Log Number:	TL136033-RA-BC
Model:	Battery Cha	rger	Project Manager:	Christine Krebill
Contact:	Agustin Villa	ivedra	Project Coordinator:	David Bare
Standard:	FCC Parts 1	5, 18, 95, EN 55011, EN 301 839	Class:	B, Group 2
·	cific Detail Objective: Date of Test:	The objective of this test session is to perform fin specification listed above.		h respect to the
Te	est Engineer:	M. Birgani; D. Bare Cor	nfig Change: None UT Voltage: Battery	
	Test Config and all local	guration support equipment were located on the table for	LBT testing.	
Ambient	Condition	S: Temperature: 22 Rel. Humidity: 36	°C %	
Summary	y of Result	s - Device Operating in the 402-405 M	Hz Band	
Run #	Mode	Test	Requirement / Limit	Result / Margin
1	Normal operation	LBT Threshold power level	-98.2 dBm	Pass
2	Normal operation	Monitoring system bandwidth	> 20 dB EBW	Pass
3	Normal operation	Monitoring system scan cycle time	> 10 ms	Pass
4	Normal operation	Monitoring system Minimum Channel monitoring period	0.1 ms / 10 ms	Pass
5	Normal operation	Channel access based on ambient level above PTh	Correct channel selection	Pass
	Normal	Use of pre-scanned alternative channel	The EUT does not use this feature	N/A

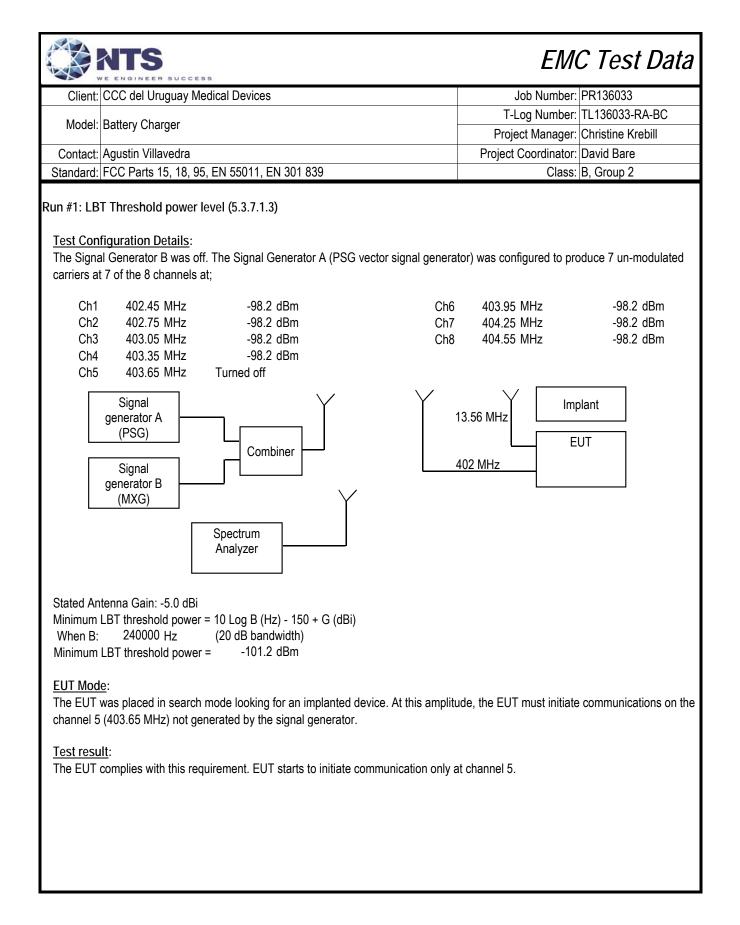
Modifications Made During Testing No modifications were made to the EUT during testing

Deviations From The Standard

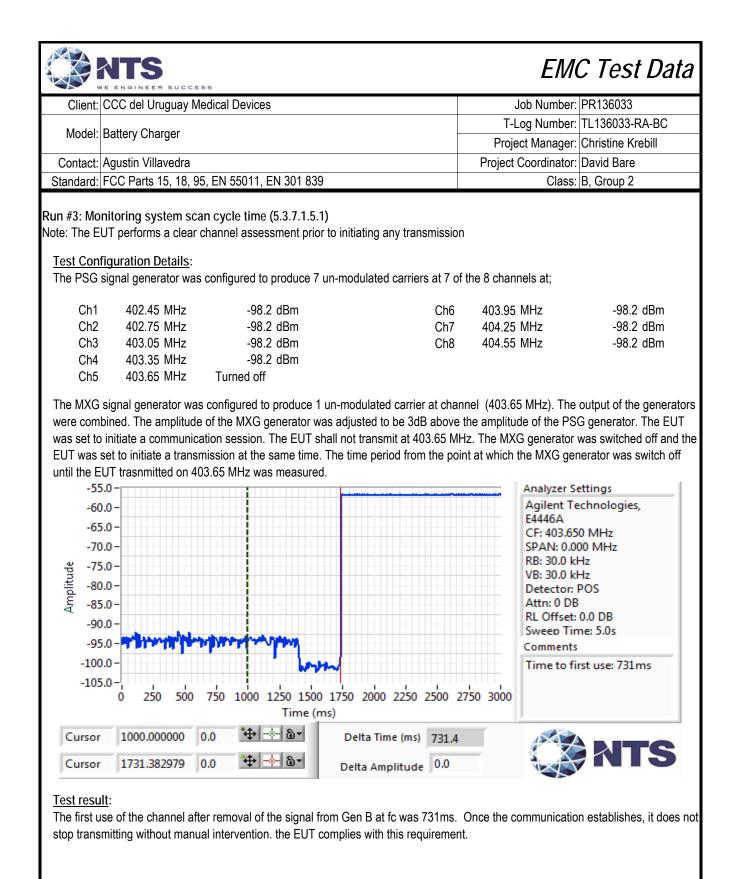
No deviations were made from the requirements of the standard.

Sample Notes

Sample S/N: 000047



	CC del Uruguay M	edical Devices			Job Number:	PR136033
					T-Log Number:	TL136033-RA-BC
Model: E	attery Charger				Project Manager:	
ontact: A	gustin Villavedra				Project Coordinator:	
ndard: F	CC Parts 15, 18, 9	5, EN 55011, EN 301 839			Class:	B, Group 2
#2: Mon	itoring system ba	ndwidth (5.3.7.1.4)				
st Confi	guration Details:					
		configured to produce 7 un-	modulated carri	ers at 7 of th	ne 8 channels at;	
Ch1	402.45 MHz	-98.2 dBm		Ch6	403.95 MHz	-98.2 dBm
Ch2	402.75 MHz	-98.2 dBm		Ch7	404.25 MHz	-98.2 dBm
Ch3	403.05 MHz	-98.2 dBm		Ch8	404.55 MHz	-98.2 dBm
Ch4 Ch5	403.35 MHz 403.65 MHz	-98.2 dBm Turned off				
Ch5	405.05 10112					
Pa:	-105.2 dBm	@403.650 MHz				
Pb:	-87.2 dBm	@403.530 MHz	D1:	18.0 dB		
Pc:	-88.2 dBm	@403.770 MHz	D2:	17.0 dB	Pass	



	ATS	EMO	C Test Data
Client:	CCC del Uruguay Medical Devices	Job Number:	PR136033
Madal	Pottery Charger	T-Log Number:	TL136033-RA-BC
woder.	Battery Charger	Project Manager:	Christine Krebill
Contact:	Agustin Villavedra	Project Coordinator:	David Bare
Standard:	FCC Parts 15, 18, 95, EN 55011, EN 301 839	Class:	B, Group 2

Test Configuration Details:

The PSG signal generator was configured to produce 7 un-modulated carriers at 7 of the 8 channels with -98.2+3 dBm

Run #4: Monitoring system Minimum Channel monitoring period (5.3.7.1.5.1.2)

Ch1	402.45 MHz	-98.2 dBm	Ch6	403.95 MHz	-98.2 dBm
Ch2	402.75 MHz	-98.2 dBm	Ch7	404.25 MHz	-98.2 dBm
Ch3	403.05 MHz	-98.2 dBm	Ch8	404.55 MHz	-98.2 dBm
Ch4	403.35 MHz	-98.2 dBm			
Ch5	403.65 MHz	Turned off			

The MXG signal generator was configured to produce 1 un-modulated carrier at channel (403.65 MHz). The output of the generators were combined. The amplitude of the MXG generator was adjusted to be equal to the amplitude of the PSG generator. The output of the PSG generator was switched off and the EUT was set to initiate a transmission. The EUT did not transmit at 403.65 MHz. The output of the PSG was switched back on and the amplitude increased by 3 dB. The EUT was set to initiate a transmission. The EUT only transmitted at 403.65 MHz. The PSG generator was configured with pulse modulation on all the carriers. The modulation was 0.1 ms pulse with a repetition rate of 10 ms corresponding to a silent period between pulses of 9.9 ms. The EUT was set to initiate a transmission 10 times. In each case, the EUT only transmitted at 403.65 MHz

Test result:

The test was repeated 10 times and the channel selection occurred only on 403.65 MHz in each test run. The EUT complies with this requirement.

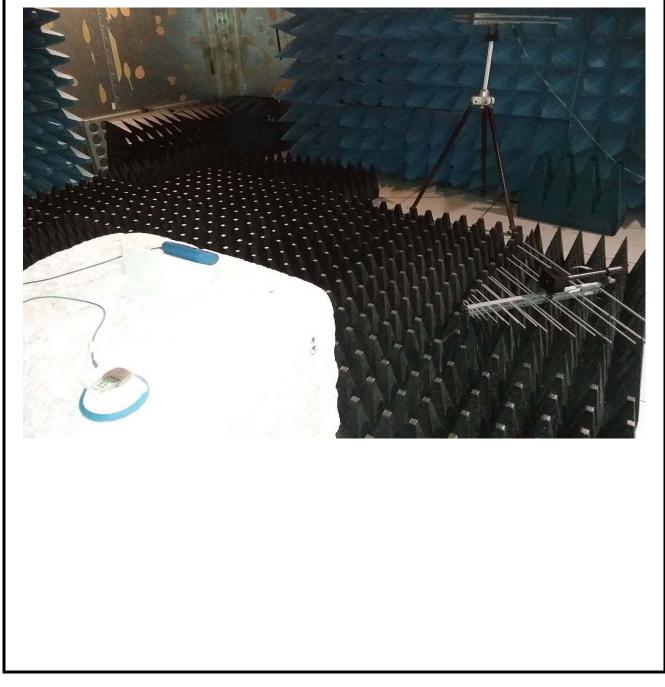
Client C	CC del Uruguay Med	cal Devices			Job Number:	PR136033
						: TL136033-RA-BC
Model: B	attery Charger				•	Christine Krebill
Contact: A	gustin Villavedra			P	roject Coordinator:	
	•	EN 55011, EN 301 83	9			B, Group 2
#5: Char	inel access based o	n ambient level abov	ve PTh (5.3.7.1.6)			
	juration Details:					
ne PSG sig	gnal generator was co	onfigured to produce 7	un-modulated carr	riers at 7 of the 8	channels	
Ch1	402.45 MHz	-91.2 dBm				
Ch2	402.75 MHz	-98.2 dBm				
Ch3	403.05 MHz	-91.2 dBm				
Ch4	403.35 MHz	-91.2 dBm				
Ch5	403.65 MHz	-104.2 dBm	Increased:	-95.2 dBm	(MXG)	
					. /	
Ch6	403.95 MHz	-91.2 dBm				
Ch6 Ch7	403.95 MHz 404.25 MHz	-91.2 dBm -91.2 dBm				
Ch7 Ch8 ne MXG si reshold le ne EUT wa	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran		mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		
Ch7 Ch8 ne MXG si reshold le ne EUT wa 3 and the l	404.25 MHz 404.55 MHz gnal generator was co vel. as set to initiate a tran EUT was set to initiate	-91.2 dBm -91.2 dBm onfigured to produce 1 smission, it only trans a transmission. The	mitted at 403.65 M	Hz. The amplitue		

		EM	C Test Data
Client:	CCC del Uruguay Medical Devices	Job Number:	PR136033
Madalı	Dattan Charges	T-Log Number:	TL136033-RA-BC
woder:	Battery Charger	Project Manager:	Christine Krebill
Contact:	Agustin Villavedra	Project Coordinator:	David Bare
Standard:	FCC Parts 15, 18, 95, EN 55011, EN 301 839	Class:	B, Group 2
	e of pre-scanned alternative channel a not applicable, The EUT does not use this feature		

Test result: N/A

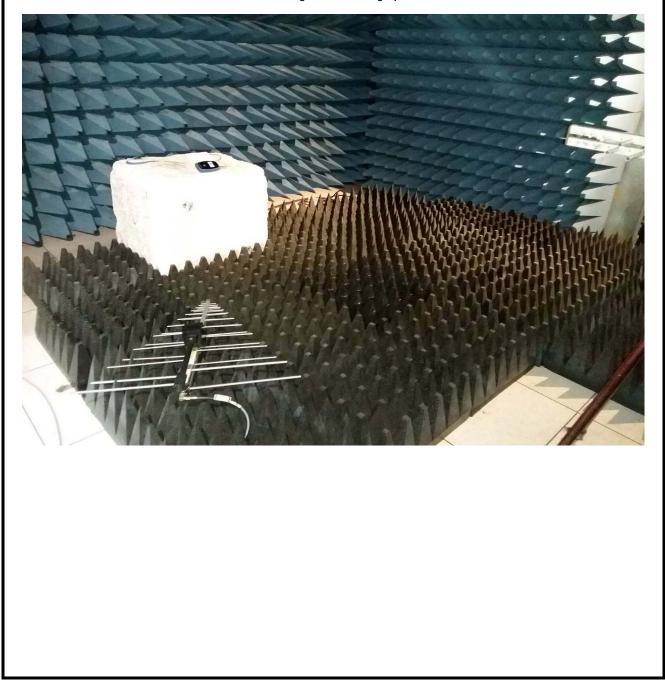
	NTS	EM	C Test Data
Client:	CCC del Uruguay Medical Devices	Job Number:	PR136033
Madal	Battery Charger	T-Log Number:	TL136033-RA-BC
wouer.		Project Manager:	Christine Krebill
Contact:	Agustin Villavedra	Project Coordinator:	David Bare
Standard:	FCC Parts 15, 18, 95, EN 55011, EN 301 839	Class:	B, Group 2

Test Configuration Photograph #1



	ATS	EMO	C Test Data
Client:	CCC del Uruguay Medical Devices	Job Number:	PR136033
Madal	Battery Charger	T-Log Number:	TL136033-RA-BC
MOUEI.	Dattery Charger	Project Manager:	Christine Krebill
Contact:	Agustin Villavedra	Project Coordinator:	David Bare
Standard:	FCC Parts 15, 18, 95, EN 55011, EN 301 839	Class:	B, Group 2

Test Configuration Photograph #2



	NTS			EMC	C Test Da
Client	CCC del Urug	uay Medical Devices		PR Number:	PR136033
Model	: Battery Charg	er		<u> </u>	TL136033-RA-BC
				Project Manager:	
	: Agustin Villav : FCC Parts 15	, 18, 95, EN 55011, EN 301 839		Project Engineer: Class:	B, Group 2
Te T	Date of Test: 1 est Engineer: E est Location: F	The objective of this test session is to perfor pecification listed above. 0/12/2021 14:20 David Bare Fremont Chamber #2	rm final qualificatio Config. Used: Config Change: EUT Voltage:	n testing of the EUT with re 1 None	espect to the
	Conditions: y of Results	Rel. Humidity:	20 °C 34 %		
Run #	Mode	Test	Re	quirement / Limit	Result / Margin
1	Normal operation	Discontinuation of MICS session		< 5 seconds	Pass
No modif Deviation No deviat Stated Ar Minimum When B:	ications were n ns From The tions were mad ntenna Gain: -5 LBT threshold	e from the requirements of the standard. 0.0 dBi power = 10 Log B (Hz) - 150 + G (dBi) Hz (20 dB bandwidth)	ting, the software i	n the EUT was updated.	

Client: C	CCC del Uruguay Medio	cal Devices			PR Number:	
Model [.] F	Battery Charger				<u> </u>	: TL136033-RA-BC
						Christine Krebill
	Agustin Villavedra				Project Engineer:	
Standard: F	FCC Parts 15, 18, 95, E	N 55011, EN 301 83	9		Class:	B, Group 2
ın #6: Disc	continuation of MICS s	session (5.3.7.1.7)				
VIC systen	ns shall cease transmis	sion in the event the	communications ses	sion is inter	rupted for a period of 5	seconds or more. C
	ssion is established, it n	nay continue as long	as the silent period i	in two-way c	ommunication between	a co-operating devic
does not ex	xceed 5 seconds					
	iguration Details:					
The PSG s	ignal generator was co	nfigured to produce 7	un-modulated carrie	ers at 7 of th	e 8 channels	
Ch1	402.45 MHz	-91.2 dBm				
Ch2	402.75 MHz	-98.2 dBm				
Ch3	403.05 MHz	-91.2 dBm				
Ch4	403.35 MHz	-91.2 dBm				
Ch5	403.65 MHz	-104.2 dBm	Increased:	-95.2 d	Bm (MXG)	
Ch6	403.95 MHz	-91.2 dBm			. ,	
Ch7	404.25 MHz	-91.2 dBm				
	404.55 MHz signal generator was co	-91.2 dBm			. ,	Hz. The Implant wa
The MXG s The EUT w emoved fro ransmissio -60.0 - -65.0 - -70.0 -		-91.2 dBm nfigured to produce 1 smission to communio ck the communicatio	cate with the implant ns. From the point ir	:. The EUT tr n time when	ansmitted at 403.65 MI the Implant was blocke	d to the end of s were observed. nologies, IHz MHz DB
The MXG s The EUT w emoved fro ransmissio -60.0 - -65.0 - -70.0 - -70.0 -	signal generator was co /as set to initiate a trans om the test setup to blo	-91.2 dBm nfigured to produce 1 smission to communio ck the communicatio	cate with the implant ns. From the point ir	:. The EUT tr n time when	Analyzer Settin Agilent Techn E4446A CF: 403.650 M SPAN: 0.000 N RB: 27.0 kHz VB: 27.0 kHz Detector: POS Attn: 10 DB RL Offset: 0.0 Sweep Time: 1 Comments	d to the end of s were observed. nologies, IHz MHz DB 10.0s
The MXG s The EUT w emoved fro ransmissio -60.0 - -65.0 - -70.0 - -70.0 - -75.0 - - -85.0 -	signal generator was co vas set to initiate a trans om the test setup to blo ons from the EUT was 4	-91.2 dBm nfigured to produce 1 smission to communicatio ock the communicatio .1 seconds. After the	cate with the implant ns. From the point ir implant is introduce	The EUT tr time when ed to the test	Analyzer Settin Agilent Techn E4446A CF: 403.650 M SPAN: 0.000 N RB: 27.0 kHz VB: 27.0 kHz VB: 27.0 kHz Detector: POS Attn: 10 DB RL Offset: 0.0 Sweep Time: 1 Comments	d to the end of s were observed. nologies, IHz MHz DB 10.0s
The MXG s The EUT w removed from ransmission -60.0 -65.0 - -70.0 - -70.0 - -75.0 - -85.0 - -90.0 - -90.0 - -95.0 - 0	signal generator was co vas set to initiate a trans om the test setup to blo ons from the EUT was 4	-91.2 dBm nfigured to produce 1 smission to communicatio ock the communicatio .1 seconds. After the	cate with the implant ns. From the point ir implant is introduce	The EUT tr time when ed to the test	Analyzer Settin Agilent Techn E4446A CF: 403.650 M SPAN: 0.000 N RB: 27.0 kHz VB: 27.0 kHz VB: 27.0 kHz Detector: POS Attn: 10 DB RL Offset: 0.0 Sweep Time: 1 Comments	d to the end of s were observed. nologies, IHz MHz DB 10.0s

NTS

EMC Test Data

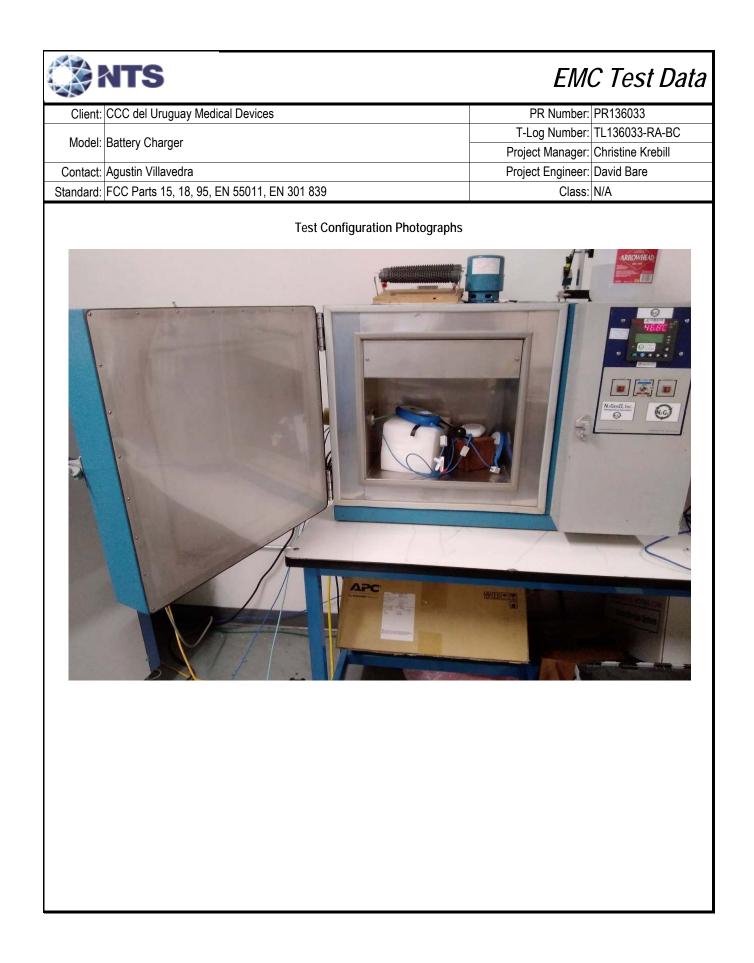
Client:	CCC del Uruguay Medical Devices	PR Number:	PR136033
Madal	Pattery Charger	T-Log Number:	TL136033-RA-BC
woder.	Battery Charger	Project Manager:	Christine Krebill
Contact:	Agustin Villavedra	Project Engineer:	David Bare
Standard:	FCC Parts 15, 18, 95, EN 55011, EN 301 839	Class:	B, Group 2

Test result:

The transmissions from the EUT has stopped in less than 5 seconds and did not re-initiate, the EUT complied with this requirement

	NTS			ЕМС	Test Data
Client:	CCC del Uruguay Medic	al Devices		PR Number: P	R136033
Model:	Battery Charger			-	L136033-RA-BC
				oject Manager: C	
	Agustin Villavedra FCC Parts 15, 18, 95, E	N 55011 EN 301 839	Pro	oject Engineer: D Class: N	
		FCC Part 95 & EN Frequency Stab			
General 1	Fest Configuration	ve of this test session is to perform final n listed above.			
measurer attenuatio	nent instrument via an att	spurious emissions tests, all measureme tenuator or dc-block if necessary. All an asuring instrument. For frequency stabili	nplitude measurement	s are adjusted to	account for the
Radiated	measurements are made	with the EUT located on a non-conduct	ive table, 3m from the	measurement a	ntenna.
Ambient	Conditions:	Temperature:23-24 °Rel. Humidity:41-42 %			
Summary	of Results				
Run #		Test Performed	Limit	Pass / Fail	Result / Margin
1		Frequency Stability	± 100ppm	Pass	-10.8ppm
No modifi	tions Made During T cations were made to the the From The Standa	EUT during testing			
No deviat	ions were made from the	requirements of the standard.			

Model: Battery Charger T-Log Number: TL136033-RAE Model: Battery Charger Project Manager: Christine Krebill Contact: Agustin Villavedra Project Engineer: David Bare Standard: FCC Parts 15, 18, 95, EN 55011, EN 301 839 Class: N/A Run #1: Frequency Stability Config: Used: 1 Test Engineer:: David Bare Config Change: None Test Engineer:: David Bare Config Change: None Test Europice: M/A Nominal Frequency: 402.45 MHz EUT Voltage: Battery Nominal Frequency: 402.45 MHz Temperature Trequency Stability Over Temperature The EUT was soaked at each temperature. Trequency Measured Drift (ppm) 0 402.446752 -3248 -8.1 20 402.446752 -3248 -8.1 -10.8 -9.8 -55 402.446667 -3933 -9.8 -55 402.446667 -3933 -9.8 -55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 -10.8 -10.8 -10.8 -10.8	Client:	CCC del Uruguay Medica	al Devices		PR Number: PR136033
Mode: pattery Unarger Project Manager: Christine Krebill Contact: Agustin Villavedra Project Engineer: David Bare Standard: FCC Parts 15, 18, 95, EN 55011, EN 301 839 Class: N/A tun #1: Frequency Stability Date of Test: 4/19/2021 Config. Used: 1 Test Engineer: David Bare Config Change: None Test Engineer: David Bare Config Change: None Test Engineer: David Bare Config Change: None Test Location: Frequency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT a chamber had stabilized at that temperature. Immenture Frequency Measured Drift 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.44667 -4353 -10.8 -51 -10.4 -40.4 40.4402.445647 -4353 -10.8 50 402.447954 -2046 -5.1 -10.8 -10.8 0 -10.4 40 402.447954 -2046 -5.1 -10.8 0 -10.8 0 </td <td>onorm.</td> <td></td> <td></td> <td></td> <td></td>	onorm.				
Contact Standard: Project Engineer (FCC Parts 15, 18, 95, EN 55011, EN 301 839 David Bare Standard: FCC Parts 15, 18, 95, EN 55011, EN 301 839 Class: N/A Run #1: Frequency Stability Date of Test: 4/19/2021 Config. Used: 1 Test Engineer: David Bare Config Change: None Test Engineer: David Bare Config Change: None Test Location: Fremont EMC Lab #4B EUT Voltage: Battery Nominal Frequency: 402.45 MHz Frequency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT a chamber had stabilized at that temperature. Temperature Frequency Measured Drift 0 402.44752 -3248 -8.1 20 402.446752 -3248 -8.1 20 402.446547 -4353 -10.8 50 402.44754 -2046 -5.1 Worst case: -4353 -10.8 55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 0 402.447700 -2730 -6.8 0 402.447954 -2046 -5.1 Worst case: -4353 -10.8 0 402.447964 -26.1 0 <	Model:	Battery Charger			
Standard: FCC Parts 15, 18, 95, EN 55011, EN 301 839 Class: N/A Run #1: Frequency Stability Date of Test: 4/19/2021 Config. Used: 1 Test Engineer: David Bare Config Change: None Test Location: Fremont EMC Lab #4B EUT Voltage: Battery Nominal Frequency: 402.45 MHz Frequency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT a chamber had stabilized at that temperature. Tamperature Frequency Measured Drift (Celsius) 0 402.446752 -3248 -20 402.446310 -3690 -30 402.44510 -3690 -30 402.44510 -3690 -30 402.44510 -3690 -55 402.44754 -4353 -10.4 -10.4 -10.4 40 402.445754 -2046 -55 402.447954 -2046 -51 Worst case: -4353 -10.8 Temperrature Worst case: -4353 -10.8	Contact:	Agustin Villavedra			2 2
Run #1: Frequency Stability Date of Test: 4/19/2021 Config. Used: 1 Test Engineer: David Bare Test Engineer: David Bare Config Change: None Test Location: Fremont EMC Lab #4B EUT Voltage: Battery Nominal Frequency: 402.45 MHz Frequency Stability Over Temperature The EUT was soaked at each temperature. Test Frequency Measured Temperature Frequency Measured Drift (Celsius) (MHz) (Hz) 0 402.446752 -3248 20 402.446752 -3248 20 402.44633 -4167 20 402.44633 -4167 30 402.4465647 -4353 30 402.4465647 -3690 55 402.447954 -2046 Worrst case: -4353 -10.8 55 402.447954 -2046 Worrst case: -4353 -10.8 55 402.447954 -2046 55 402.447954 -2046 Worrst case: -4353 -10.8 Trequency Stability Over Input V		•	55011 EN 301 830		
Date of Test: 4/19/2021 Config. Used: 1 Test Engineen: David Bare Config Change: None Test Location: Fremont EMC Lab #4B EUT Voltage: Battery Nominal Frequency: 402.45 MHz requency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT a chamber had stabilized at that temperature. Temperature Frequency Measured 0 402.447270 0 402.446752 30 402.448533 30 402.448533 40 402.446647 30 402.448533 50 402.447270 30 402.449533 40 402.449547 4353 -10.8 50 402.447954 -2046 -5.1 Worst case: -4353 -2046 -5.1 Worst case: -4353 -10.8 -10.8 55 402.447270 2730 -6.8 0 0 402.4426460 -33540 -2046 -5.1 10%	Stanuaru.	1 00 Faits 15, 10, 55, El	1 330 FT, LIN 30 F 039		Class. N/A
Date of Test: 4/19/2021 Config. Used: 1 Test Engineer: David Bare Config Change: None Test Location: Fremont EMC Lab #4B EUT Voltage: Battery Nominal Frequency: 402.45 MHz Frequency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT a chamber had stabilized at that temperature. Temperature Frequency Measured 0 402.447270 -2730 0 402.44652 -3248 10 402.444652 -3248 30 402.444653 -10.8 50 402.4445647 -4353 30 402.4445647 -4353 50 402.447954 -2046 50 402.447954 -2046 50 402.447954 -2046 51 Worst case: -4353 640 -10.8 -10.8 7 10.4 -10.8 7 10.4 -10.8 7 -10.8 -10.8 7 -2046 -5.1 0 -2046 -5.1 10%	Run #1: Fr	equency Stability			
Test Engineer: David Bare Test Location: Fremont EMC Lab #4B EUT Voltage: Battery Nominal Frequency: 402.45 MHz Frequency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT a chamber had stabilized at that temperature. Temperature (Celsius) Frequency Measured Drift 0 402.447270 -2730 6.8 10 402.445647 -3248 -8.1 20 402.445647 -3453 -10.4 40 402.445647 -4353 -10.8 50 402.445647 -3333 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -3353 -10.8 Trequency Stability Over Input Voltage Extreme Voltage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperature 10% 402.447770 <				Config. Used	d: 1
Test Location: Fremont EMC Lab #48 EUT Voltage: Battery Nominal Frequency: 402.45 MHz Frequency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT a chamber had stabilized at that temperature. Temperature Frequency Measured Drift (Celsius) (MHz) (Hz) (ppm) 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.446310 -3690 -9.2 30 402.446310 -3690 -9.2 30 402.446607 -3933 -9.8 55 002.447954 -2046 -5.1 Worst case: -4353 -10.8 55 002.447954 -2046 -5.1 Worst case: -4353 -10.8 0 10% 402.44660 -3540 -8.8 0 10% 042.44660 -3540 -8.8 0 10% 402.447270 -2730 -6.8 0 10% 402.447270 -2730 -6.8 0 <td>Te</td> <td>est Engineer: David Bare</td> <td></td> <td></td> <td></td>	Te	est Engineer: David Bare			
Trequency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT at chamber had stabilized at that temperature. Temperature Frequency Measured Drift Cellsius (MHz) (Hz) (ppm) 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.446310 -3690 -9.2 30 402.445647 -4353 -10.4 40 402.445647 -4353 -10.8 50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 Frequency Measured Uninal Voltage is 3.7Vdc. Extreme Voltage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperature 10% 402.447270 -2730 -6.8 0 10% 402.447270 -2730 -6.8 0 10% 402.447270 -2730 -6.8 0 10% 402.447270 -2730		-	C Lab #4B		
Trequency Stability Over Temperature The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT at chamber had stabilized at that temperature. Temperature (Celsius) (MHz) (Hz) (ppm) 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.446310 -3690 -9.2 30 402.445647 -4353 -10.4 40 402.445647 -4353 -10.8 50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 Frequency Measured Uninal Voltage is 3.7Vdc. Extreme Voltage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperature (MHz) (Hz) (ppm) °C 10% 402.447270 -2730 -6.8 0 10% 402.447270 -2730 -6.8 0 10% 402.447270 -2730 -6.8 0				-	
chamber had stabilized at that temperature. Immerature Frequency Measured Drift (Celsius) (MHz) (Hz) (ppm) 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.446310 -3690 -9.2 30 402.445647 -4353 -10.4 40 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 Frequency Stability Over Input Voltage Nominal Voltage is 3.7Vdc. Extreme Votlage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature 10% 402.447270 -2730 -6.8 0 10% 402.447270 -2730 -6.8 0 10% 402.447954 -2046 -5.1 55 Nominal 402.447270 -2730 -6.8 0 10% 402.447954 -2046 -5.1 55		Nominal Frequency:	402.45 MHz		
The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT a chamber had stabilized at that temperature. Temperature Temperature Frequency Measured Drift (Celsius) (MHz) (Hz) (ppm) 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.446310 -3690 -9.2 30 402.445647 -4.353 -10.4 40 402.445647 -4.353 -10.8 50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: of (MHz) Extreme Votage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Nominal Voltage is 3.7Vdc. Extreme Votage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Voltage Imperature (MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 0		o			
chamber had stabilized at that temperature. Immerature Frequency Measured Drift (Celsius) (MHz) (Hz) (ppm) 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.446752 -3248 -8.1 20 402.4456310 -3690 -9.2 30 402.445647 -4353 -10.4 40 402.445647 -4353 -10.8 50 402.447954 -2046 -5.1 Worst case: -4353 -10.8 Frequency Stability Over Input Voltage Mominal Voltage is 3.7Vdc. Extreme Votlage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.4446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Nominal 402.447954				f 20 minutos prieste re-l	ing the measurements to answer the F
Temperature Frequency Measured Drift (Celsius) (MHz) (Hz) (ppm) 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.446310 -3690 -9.2 30 402.445833 -4167 -10.4 40 402.445847 -4353 -10.8 50 402.447954 -2046 -5.1 Worst case: -4353 -10.8 55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 Frequency Stability Over Input Voltage Mominal Voltage is 3.7Vdc. Extreme Votage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.44660 -3540 -8.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447270 -2730				i so minutes prior to mak	ang the measurements to ensure the E
(Celsius) (MHz) (Hz) (ppm) 0 402.447270 -2730 -6.8 10 402.446752 -3248 -8.1 20 402.446310 -3690 -9.2 30 402.445833 -4167 -10.4 40 402.445647 -4353 -10.8 50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 -4353 -10.8 Frequency Stability Over Input Voltage Iominal Voltage is 3.7Vdc. Extreme Votlage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.447270 -2730 -6.8 0 10% 402.447954 -2046 -5.1 55 Nominal 402.447954 -2046 -5.1 55 Nominal 402.447954 -2046 -5.1 55 Nominal	cnamper	nad stabilized at that temp	erature.		
Image: Celsius) Image: MHz Image: Celsius) Image: Celsius)	Temperature	Frequency Measured	C	Drift	Г
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20 402.446310 -3690 -9.2 30 402.445833 -4167 -10.4 40 402.445647 -4353 -10.8 50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 -4353 -10.8	-				-
30 402.445833 -4167 -10.4 40 402.445647 -4353 -10.8 50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 **requency Stability Over Input Voltage Wominal Voltage is 3.7Vdc. Extreme Votlage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.44660 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Battery endpoint is 3.3 Vdc representing 0% capacity Battery endpoint is 3.3 Vdc representing 0% capacity					
50 402.446067 -3933 -9.8 55 402.447954 -2046 -5.1 Worst case: -4353 Frequency Stability Over Input Voltage Iominal Voltage is 3.7Vdc. Extreme Votlage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Battery endpoint is 3.3 Vdc representing 0% capacity	30	402.445833		-10.4	7
55 402.447954 -2046 -5.1 Worst case: -4353 -10.8 Frequency Stability Over Input Voltage Streme Voltage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity Battery endpoint is 3.3 Vdc representing 0% capacity	40	402.445647	-4353	-10.8	7
Worst case: -4353 -10.8 Frequency Stability Over Input Voltage Nominal Voltage is 3.7Vdc. Extreme Votlage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift (MHz) (Hz) (ppm) 10% 402.446460 -3540 Nominal 402.447270 -2730 10% 402.446167 -3833 Nominal 402.447954 -2046 Worst case: -3833 -9.5 Battery endpoint is 3.3 Vdc representing 0% capacity	50	402.446067	-3933	-9.8	7
Frequency Stability Over Input Voltage Vominal Voltage is 3.7Vdc. Extreme Votlage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity	55	402.447954	-2046	-5.1	
Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity		Worst case:	-4353	-10.8	
Vominal Voltage is 3.7Vdc. Extreme Votlage declared by CCC Del Uruguay is when battery is at 10% of capacity Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity Battery endpoint is 3.3 Vdc representing 0% capacity					
Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity Battery endpoint is 3.3 Vdc representing 0% capacity	requency	Stability Over Input Volt	age		
Voltage Frequency Measured Drift Temperrature (MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity 53.3 Vdc representing 0% capacity	Iominal Va	ltago is 2 7V/dc	Extreme Votlage declar	ad by CCC Del Uruguay	is when batteny is at 10% of canacity
(MHz) (Hz) (ppm) °C 10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity			v	, ,	
10% 402.446460 -3540 -8.8 0 Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity	ronago			1	
Nominal 402.447270 -2730 -6.8 0 10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity Battery -2046 -20.5			\ /		
10% 402.446167 -3833 -9.5 55 Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 55 Battery endpoint is 3.3 Vdc representing 0% capacity	10%				
Nominal 402.447954 -2046 -5.1 55 Worst case: -3833 -9.5 Battery endpoint is 3.3 Vdc representing 0% capacity					
Worst case: -3833 -9.5 Battery endpoint is 3.3 Vdc representing 0% capacity	Nominal	402.447270	-3833	-0.0	
Battery endpoint is 3.3 Vdc representing 0% capacity	Nominal 10%	402.447270 402.446167			55
Battery endpoint is 3.3 Vdc representing 0% capacity	Nominal 10%	402.447270 402.446167 402.447954	-2046	-5.1	55
Note 1: ICCC Del Uruguay declared that below 2 64V there is a reset circuit that is triggered shutting down the device	Nominal 10%	402.447270 402.446167 402.447954	-2046	-5.1	55
	Nominal 10% Nominal	402.447270 402.446167 402.447954 Worst case:	-2046 -3833 Battery endpoint is 3	-5.1 -9.5 3.3 Vdc representing 0'	% capacity
	Nominal 10% Nominal	402.447270 402.446167 402.447954 Worst case:	-2046 -3833 Battery endpoint is 3	-5.1 -9.5 3.3 Vdc representing 0'	% capacity
	Nominal 10% Nominal	402.447270 402.446167 402.447954 Worst case:	-2046 -3833 Battery endpoint is 3	-5.1 -9.5 3.3 Vdc representing 0'	% capacity
	Nominal 10% Nominal	402.447270 402.446167 402.447954 Worst case:	-2046 -3833 Battery endpoint is 3	-5.1 -9.5 3.3 Vdc representing 0'	% capacity
	Nominal 10% Nominal	402.447270 402.446167 402.447954 Worst case:	-2046 -3833 Battery endpoint is 3	-5.1 -9.5 3.3 Vdc representing 0'	% capacity
	Nominal 10% Nominal	402.447270 402.446167 402.447954 Worst case:	-2046 -3833 Battery endpoint is 3	-5.1 -9.5 3.3 Vdc representing 0'	% capacity





End of Report

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