

Testing Tomorrow's Technology

Class 2 Permissive Change Test Report

For

Part 2, Subpart J, Paragraph 2.907 Equipment Authorization of Certification for an Intentional Radiator per Part 15, Subpart C, paragraphs 15.207, 15.209 and 15.247

And

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

For the

Neptune Technology Group, Inc.

Model: R900

FCC ID: P2SR900CE IC ID: 4171B-R900CE

UST Project: 23-0193

Issue Date: February 6, 2024

Total Pages: 22

3505 Francis Circle Alpharetta, GA 30004 PH: 770-740-0717 Fax: 770-740-1508 www.ustech-lab.com

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I certify that I am authorized to sign for the Test Agency and that all of the statements in this report and in the Exhibits attached hereto are true and correct to the best of my knowledge and belief:

US TECH (Agent Responsible For Test):

By: Alan Ghasiani

Name: Man Shasia

Title: Compliance Engineer - President

Date: February 6, 2024



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MEASUREMENT TECHNICAL REPORT

Company Name:	Neptune Technology Group, Inc.
Address:	1600 Alabama Hwy 229 Tallassee, AL 36078, USA
Model:	R900
FCC ID:	P2SR900CE
IC ID:	4171B-R900CE
Date:	February 6, 2024

This report concerns (check one):
Original
Class II Permissive Change

Equipment type: 900 MHz ISM Radio Transceiver

Technical Information:

Radio Technology:	FHSS
Frequency of Operation (MHz):	911.08 – 919.07
Output Power (dBm):	18.32
Type of Modulation:	OOK
Data/Bit Rate (M)bps:	1200 Baud
Antenna Gain (dBi):	Refer to Tables 5
Software used to program EUT:	PMIT v2.2.210208.74
EUT firmware:	2.4
Power setting:	248

Report prepared by: US Tech 3505 Francis Circle Alpharetta, GA 30004 PH : 770-740-0717 Fax : 770-740-1508 www.ustech-lab.com

FCC Part 15 Class II Permissive Change P2SR900CE 4171B-R900CE 23-0193 February 6, 2024 Neptune Technology Group, Inc. R900

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1 General Information

1.1 Purpose of this Report

This report is prepared as a means of conveying test results and information concerning the suitability of this exact product for Class II Permissive Change certification as an intentional transmitter device for public distribution according to FCC Rules and Regulations Part 15, Section 247 and Industry Canada RSS-247.

The EUT cellular radio module has been replaced with a new cellular module. The previous model was Telit ME310G1-WW and it has been replace by Telit ME310G1-W3. The ME310G1-W3 if different from the ME310G1-WW in that the GSM and LTE NB-IoT circuity has been removed. The client does not use those features therefore the new module is a more feasible option.

Due to this change, additional spurious radiated emission testing was performed to determine continued compliance with the requirements. The test results are presented herein.

1.2 Characterization of Test Sample

The samples used for testing were received by US Tech on January 29, 2024 in good operating condition.

1.3 Product Description

The Equipment under Test (EUT) is the Neptune Technology Group, Model R900. The EUT is a network endpoint that collects meter reading data from an encoder register. It then transmits the data for collection using LTE-M cellular technology. The collection data is stored and downloaded into the utility billing system for processing. The R900 cellular endpoint has three different options for covers so that it can be installed on a wall or in a pit application. It operates on the AT&T and FirstNet LTE-M networks and contains an FCC and ISED Certified LTE Module bearing FCC ID: RI7ME310G1W3 and IC: 5131A-ME310G1W3. US Tech Test Report: FCC ID: IC ID: Test Report Number: Issue Date: Customer: Model:

1.4 Configuration of Tested System

The Test Sample was tested per ANSI C63.10:2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices for the intentional radiator aspect of the device and ANSI C63.4:2014, Methods of Measurement of Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (2014) for the unintentional radiator aspect of the device as well as FCC subpart B and C of Part 15 and per FCC KDB Publication number 558074 v05r02 for Digital Transmission Systems Operating Under section 15.247.

Per FCC Parts 15.107 and 15.109, digital RF conducted and radiated emissions below 1 GHz were measured with the spectrum analyzer's resolution bandwidth (RBW) adjusted to 9 kHz and 120 kHz, respectively. All measurements performed above 1 GHz were made with a RBW of 1 MHz. All measurements are peak unless stated otherwise. The video filter associated with the spectrum analyzer was set to 3 times the RBW or as required per the standard throughout the evaluation process.

A list of EUT and Peripherals is found in Table 1 below. A block diagram of the tested system is shown in Figure 1. Test configuration photographs for spurious and fundamental emissions are provided in separate Appendices.

1.5 Test Facility

Testing was performed at US Tech's measurement facility at 3505 Francis Circle, Alpharetta, GA 30004. This site has been fully described and registered with the FCC. Its designation number is 186022. Additionally, this site has also been fully described and submitted to Industry Canada (IC), and has been approved under file number 9900A-1.

1.6 Related Submittal(s)/Grant(s)

The EUT is subject to the following FCC Equipment Authorizations:

- a) Certification under section 15.209 as an intentional transmitter.
- b) SDoC under 15.101 as a digital device.

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Table 1. EUT and Peripherals

EUT MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC/IC ID	CABLES P/D
EUT Neptune Technology Group.	R900	Engineering Sample	FCC ID: P2SR900CE IC: 4171B-R900CE Contains: FCC ID: RI7ME310G1W3, IC: 5131A-ME310G1W3	N/A
PERIPHERAL MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC/IC ID	CABLES P/D
2 AA Rechargeable Lithium Batteries Tenavolts	N/A	Engineering Sample	N/A	N/A
Test Fixture Neptune Technology Group	N/A	Engineering Sample	N/A	N/A
Antenna See antenna details			-	

S= Shielded, U= Unshielded, P= Power, D= Data

Table 2. Details of I/O Cables Attached to EUT

DESCRIPTION OF CABLE	DETAILS OF CABLE		CABLE LENGTH		
	Manufacturer Part Nu		Number		
Antenna cable	Neptune Technology Group		V	arious	< 0.5 m
	Shield Type	Shield Termination Back-s		Back-shell	
	CND	CND		CND	

Shield Type N/A = None	Shield Termination N/A = None	Back-shell N/A = Not Applicable
F = Foil	360 = 360 Degrees	PS = Plastic Shielded
B = Braided	P = Pigtail/Drain Wire	PU = Plastic Unshielded
2B = Double Braided	CND = Could Not Determine	MS = Metal Shielded
CND = Could Not Determine	MU = Metal Unshielded	

US Tech Test Report: FCC ID: IC ID: Test Report Number: Issue Date: Customer: <u>Model:</u> FCC Part 15 Class II Permissive Change P2SR900CE 4171B-R900CE 23-0193 February 6, 2024 Neptune Technology Group, Inc. R900

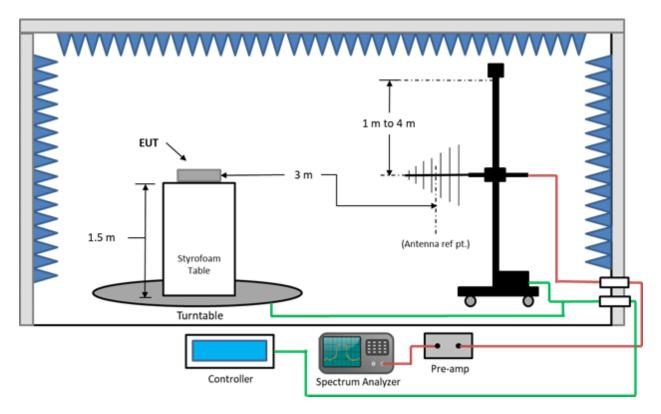


Figure 1. EUT Test Configuration Diagram

2 Tests and Measurements

2.1 Test Equipment

The table below lists test equipment used to evaluate this product.

Table 3. Test Instruments

TEST INSTRUMENT	MODEL NUMBER	MANUFACTURER	SERIAL NUMBER	CALIBRATION DUE DATE
Spectrum Analyzer	E4404A	Agilent	MY45304803	7/21/2025 2 yr.
RF Preamp 100 kHz To 1.3 GHz	8447D	Hewlett-Packard	1937A01611	7/20/2024
Preamp 1.0 GHz To 26.0 GHz	8449B	Hewlett-Packard	3008A00914	3/3/2024
Biconical Antenna	3110B	EMCO	9307-1431	1/13/2025 2 yr.
Log Periodic Antenna	3146	EMCO	9110-3236	Extended 3/13/2024
Horn Antenna	SAS-571	A.H. Systems	605	4/28/2024 2 yr.
High Pass Filter	VHF-1320 15542	Mini-Circuits, Inc.	3 0843	8/2/2024

Note: The calibration interval of the above test instruments are 12 months unless stated otherwise and all calibrations are traceable to NIST/USA.

2.2 Modifications to EUT Hardware

No modifications were made by US Tech to bring the EUT into compliance with FCC Part 15.247 and RSS-247 requirements.

2.3 Number of Measurements for Intentional Radiators (CFR 15.31(m))

Measurements of intentional radiators or receivers shall be performed and reported for each band in which the device can be operated, with the device operating at the number of frequencies in each band specified in Table 3 as follows:

Frequency Range over which the device operates	Number of Frequencies	Location in the Range of operation
1 MHz or less	1	Middle
1 to 10 MHz	2	1 near the top 1 near the bottom
Greater than 10 MHz	3	1 near top 1 near middle 1 near bottom

The EUT operates over the range of 911.08 MHz to 919.07 MHz (7.99 MHz); therefore, two test frequencies were evaluated.

2.4 Frequency Range of Radiated Measurements (CFR 15.33)

2.4.1 Intentional Radiator

The spectrum shall be investigated for the intentional radiator from the lowest RF signal generated in the EUT, without going below 9 kHz to the 10th harmonic of the highest fundamental frequency generated or 40 GHz, whichever is the lowest.

2.4.2 Unintentional Radiator

For the digital device, an unintentional radiator, the frequency range shall be 30 MHz to 1000 MHz, or to the range specified in 2.4.1 above; whichever is the higher range of investigation.

2.5 Measurement Detector Function and Bandwidth (CFR 15.35)

The radiated and conducted emissions limits shown herein are based on the parameters listed in the following paragraphs.

2.5.1 Detector Function and Associated Bandwidth

On frequencies below 1000 MHz, the limits herein are based upon measurement equipment employing a CISPR quasi-peak detector function and related measurement bandwidths (i.e. 9 kHz from 150 kHz to 30 MHz and 120 kHz from 30 MHz to 1000 MHz). Alternatively, measurements may be made with equipment employing a peak detector function as long as the same bandwidths specified for the quasi-peak device are used.

2.5.2 Corresponding Peak and Average Requirements

Above 1000 MHz, radiated limits are based on measuring instrumentation employing an average detector function. When average radiated emissions are specified there is also a corresponding peak requirement that is measured using a peak detector. The peak limit shall be 20 dB greater than the average limit. For all measurements above 1000 MHz, the Resolution Bandwidth shall be at least 1 MHz.

2.5.3 Pulsed Transmitter Averaging

When the radiated emissions limit is expressed as an average value, and the transmitter is pulsed, the measured field strength shall be determined by applying a Duty Cycle Correction Factor based upon dividing the total ON time during the first 100 ms period by 100 ms (or by the period if less than 100 ms). The duty cycle may also be expressed logarithmically in dB. In this case, the Duty Cycle Correction Factor was determined from the manufacturer's claim.

2.6 Transmitter Duty Cycle (Part 15.35(c))

The Duty Cycle calculations are confidential and can be provided upon request by contacting Neptune Technology Group.

2.7 Restricted Bands of Operation (Part 15.205)

Only spurious emissions can fall in the frequency bands of CFR 15.205. The field strength of these emissions cannot exceed the limits of 15.209. Radiated harmonics and other spurious emissions are examined for this requirement see paragraph 2.10.

2.8 Intentional Radiator, Radiated Emissions (CFR 15.209, 15.247(d))

For radiated measurements, the EUT was set into a continuous transmission mode. Below 1 GHz, the RBW of the measuring instrument was set equal to 120 kHz. Peak measurements above 1 GHz were measured using a RBW = 1 MHz, with a VBW \geq 3 x RBW. For average measurements above 1 GHz, the emissions were measured using an average detector. The measurement of each signal detected was maximized by rotating the turntable 360° clockwise and counterclockwise and raising and lowering the receive antenna between 1 and 4 meters in height while monitoring the ever changing spectrum analyzer display with Trace A in the Max-Hold mode and Trace B in the Clear-Write mode for the largest signal visible. The emission from the EUT was measured and recorded when both maxima were simultaneously satisfied.

2.8.1 EUT Worst Case Test Configuration

On the test site, the EUT was placed on top of a polystyrene table 80 cm above the ground plane inside a semi-anechoic test chamber. The EUT was evaluated in each of its three axes (X/Y/Z) while transmitting on the channel that produced the highest output power for worst case condition. The position of the EUT determined to be worst case was with the EUT positioned along its X axis (top of EUT facing up). The worst case test results of the fundamental and harmonics are presented in the table below.

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Table 5. Peak Radiated Fundamental and Harmonic Emissions – Internal Antenna

Test: FCC Part 15.247 / 15.209									
Frequency (MHz)	Test Data (dBuV)	Additional Factor	AF+CL-PA (dB/m)	Corrected Results (dBuV/m)	Limits (dBuV/m)	Distance / Polarization	Margin (dB)	Detector	
			L	ow Channel					
911.08	89.22		25.66	114.88		3.0m./HORZ		PK	
1821.70	68.85		-9.33	59.52	74.0	3.0m./HORZ	14.5	PK	
2732.50	73.44		-5.06	68.38	74.0	3.0m./HORZ	5.6	PK	
3643.30	60.65		-2.70	57.95	74.0	3.0m./HORZ	16.0	PK	
4554.10	52.18		-0.70	51.48	74.0	3.0m./HORZ	22.5	PK	
5464.80	49.16		2.96	52.12	74.0	3.0m./HORZ	21.9	PK	
Note 1									
			Н	igh Channel					
919.08	90.30		25.76	116.06		3m./HORZ		PK	
1838.10	77.25		-9.30	67.95	74.0	3.0m./HORZ	6.1	PK	
2757.10	54.27		-5.00	49.27	74.0	3.0m./HORZ	24.7	PK	
3676.30	69.48		-2.72	66.76	74.0	3.0m./HORZ	7.2	PK	
4595.00	49.27		-0.65	48.62	74.0	3.0m./HORZ	25.4	PK	
5514.00	51.87		3.49	55.36	74.0	3.0m./HORZ	18.6	PK	
Note 1									

Notes:

1. No other signals detected within 20 dB of specification limit. Harmonics investigated up to the 10th harmonic

Sample calculation at 911.08 MHz:

Magnitude of Measured Frequency	89.22	dBuV
+Additional Factor	0.00	dB
+Antenna Factor + Cable Loss - Amplifier Gain	25.66	dB/m
Corrected Result	114.88	dBuV/m

Test Date: January 30, 2024

Signature: Janto multi

Test Engineer: Gabriel Medina

FCC Part 15 Class II Permissive Change P2SR900CE 4171B-R900CE 23-0193 February 6, 2024 Neptune Technology Group, Inc. R900

Table 6. Average Radiated Fundamental and Harmonic Emissions – Internal Antenna

Test: FCC Part 15.247 / 15.209									
Frequency (MHz)	Test Data (dBuV)	Additional Factor	AF+CL-PA (dB/m)	Corrected Results (dBuV/m)	Limits (dBuV/m)	Distance / Polarity	Margin (dB)	Detector	
			L	ow Channel					
911.08	89.45		25.66	114.47		3m./HORZ		QP	
1821.70	47.45		-9.33	38.12	54.0	3.0m./HORZ	15.9	AVG	
2732.50	50.23		-5.06	45.17	54.0	3.0m./HORZ	8.8	AVG	
3643.30	39.79		-2.70	37.09	54.0	3.0m./HORZ	16.9	AVG	
4554.10	35.21		-0.70	34.51	54.0	3.0m./HORZ	19.5	AVG	
5464.80	29.86		2.96	32.82	54.0	3.0m./HORZ	21.2	AVG	
Note 1	-						-		
			Н	igh Channel					
919.08	89.93		25.76	115.69		3m./HORZ		QP	
1838.10	54.36		-9.30	45.06	54.0	3.0m./HORZ	8.9	AVG	
2757.10	38.75		-5.00	33.75	54.0	3.0m./HORZ	20.2	AVG	
3676.30	44.54		-2.72	41.82	54.0	3.0m./HORZ	12.2	AVG	
4595.00	36.18		-0.65	35.53	54.0	3.0m./HORZ	18.5	AVG	
5514.00	38.85		3.49	42.34	54.0	3.0m./HORZ	11.7	AVG	
Note 1									

Notes:

1. No other signals detected within 20 dB of specification limit. Harmonics investigated up to the 10th harmonic.

Sample calculation at 911.08 MHz:

Magnitude of Measured Frequency	89.45	dBuV
+Additional Factor (Duty cycle correction)	0.00	dB
+Antenna Factor + Cable Loss - Amplifier Gain	25.66	dB/m
Corrected Result	114.47	dBuV/m

Test Date: January 30, 2024

Two mills Signature:

Test Engineer: Gabriel Medina

Table 7. Peak Radiated Fundamental and Harmonic Emissions – External AntennaTaoglos Pit Antenna

Test: FCC Part 15.247 / 15.209										
Frequency (MHz)	Test Data (dBuV)	Additional Factor	AF+CL-PA (dB/m)	Corrected Results (dBuV/m)	Limits (dBuV/m)	Distance / Polarization	Margin (dB)	Detector		
			L	ow Channel						
911.08	85.99		23.96	109.95		3m./VERT		PK		
1821.00	65.78		-9.27	56.51	74.0	3.0m./VERT	17.5	PK		
2732.00	48.98		-5.13	43.85	74.0	3.0m./VERT	30.2	PK		
3643.00	57.84		-2.71	55.13	74.0	3.0m./VERT	18.9	PK		
4554.00	47.08		-0.62	46.46	74.0	3.0m./VERT	27.5	РК		
5464.00	50.88		3.02	53.90	74.0	3.0m./VERT	20.1	PK		
Note 1										
			Н	igh Channel						
919.08	85.61		25.76	111.37		3m./HORZ		PK		
1838.00	68.55		-9.30	59.25	74.0	3.0m./HORZ	14.8	PK		
2757.00	48.56		-5.00	43.56	74.0	3.0m./HORZ	30.4	PK		
3676.00	60.30		-2.72	57.58	74.0	3.0m./HORZ	16.4	PK		
4597.00	45.49		-0.65	44.84	74.0	3.0m./HORZ	29.2	PK		
5514.00	47.67		3.49	51.16	74.0	3.0m./HORZ	22.8	PK		
Note 1										

Notes:

2. No other signals detected within 20 dB of specification limit. Harmonics investigated up to the 10th harmonic

Sample calculation at 911.08 MHz:

Magnitude of Measured Frequency	85.99	dBuV
+Additional Factor	0.00	dB
+Antenna Factor + Cable Loss - Amplifier Gain	23.96	dB/m
Corrected Result	109.95	dBuV/m

Test Date: January 30, 2024

inter mulli Signature:

Test Engineer: <u>Gabriel Medina</u>

Table 8. Average Radiated Fundamental and Harmonic Emissions – External Antenna Taoglos Pit Antenna

Test: FCC Part 15.247 / 15.209									
Frequency (MHz)	Test Data (dBuV)	Additional Factor	AF+CL-PA (dB/m)	Corrected Results (dBuV/m)	Limits (dBuV/m)	Distance / Polarity	Margin (dB)	Detector	
			L	ow Channel					
911.08	85.10		23.96	109.06		3m./VERT		QP	
1821.00	47.99		-9.27	38.72	54.0	3.0m./VERT	15.3	AVG	
2732.00	34.41		-5.13	29.28	54.0	3.0m./VERT	24.7	AVG	
3643.00	41.86		-2.71	39.15	54.0	3.0m./VERT	14.8	AVG	
4554.00	33.64		-0.62	33.02	54.0	3.0m./VERT	21.0	AVG	
5464.00	36.80		3.02	39.82	54.0	3.0m./VERT	14.2	AVG	
Note 1							-		
		_	Н	igh Channel				-	
919.08	85.02		25.76	110.78		3m./HORZ		QP	
1838.00	49.77		-9.30	40.47	54.0	3.0m./HORZ	13.5	AVG	
2757.00	33.56		-5.00	28.56	54.0	3.0m./HORZ	25.4	AVG	
3676.00	43.63		-2.72	40.91	54.0	3.0m./HORZ	13.1	AVG	
4597.00	31.13		-0.65	30.48	54.0	3.0m./HORZ	23.5	AVG	
5514.00	34.27		3.49	37.76	54.0	3.0m./HORZ	16.2	AVG	
Note 1									

Notes:

2. No other signals detected within 20 dB of specification limit. Harmonics investigated up to the 10th harmonic.

Sample calculation at 911.08 MHz:

Magnitude of Measured Frequency	85.10	dBuV
+Additional Factor (Duty cycle correction)	0.00	dB
+Antenna Factor + Cable Loss - Amplifier Gain	23.96	dB/m
Corrected Result	109.06	dBuV/m

Test Date: January 30, 2024

Signature: Janto mult

Test Engineer: <u>Gabriel Medina</u>

2.9 Intentional Radiator Power Line Conducted Emissions (CFR 15.207)

The EUT is battery powered; therefore, this test is not applicable.

2.10 Unwanted Emissions of the Intentional Radiator, (CFR 15.209 and 15.33(a))

The test data provided herein is to support the verification requirement for unwanted radiated emissions coming from the EUT in a transmitting state per 15.209 and was investigated from 30 MHz to 9 GHz. The EUT was put into a co-located continuous transmit mode of operation and tested as detailed in ANSI C63.10:2013, Clause 6.4.6. Data is presented in the table below.

The measurement bandwidths for each frequency scan that was evaluated were set as follows:

Frequency Span	RBW / VBW		
30 MHz – 1 GHz	120 kHz / 360 kHz		
Above 1 GHz	1 MHz / 3 MHz		

Note: Based on the changes made to the EUT, the device was only re-evaluated from 30 MHz to 1000 MHz. The emissions measurements seen were deemed to be equal to or less than what was previously recorded; therefore, no additional spurious emissions measurements were made beyond the measurements below.

Table 9. Spurious Radiated Emissions (30 MHz – 1 GHz)

30 MHz to 1 GHz with Class B Limits Test: Radiated Emissions per CFR 15.209								
Frequency (MHz)	Test Data (dBuV)	AF+CL-PA (dB)	Results (dBuV/m)	Limits (dBuV/m)	Distance / Polarity	Margin (dB)	Detector PK / QP	
97.05	33.77	-15.05	18.72	43.5	3m./HORZ	24.8	РК	
496.70	30.75	-4.27	26.48	46.0	3m./HORZ	19.5	PK	
880.65	41.07	0.68	41.75	46.0	3m./HORZ	4.2	PK	
80.50	39.50	-16.37	23.13	40.0	3m./VERT	16.9	PK	
496.71	37.58	-5.87	31.71	46.0	3m./VERT	14.3	PK	
880.71	39.48	-0.67	38.81	46.0	3m./VERT	7.2	PK	

Test Date: January 30, 2024

Signature: <u>Jan The Medina</u> Test Engineer: <u>Gabriel Medina</u>

US Tech Test Report: FCC ID: IC ID: Test Report Number: Issue Date: Customer: Model: FCC Part 15 Class II Permissive Change P2SR900CE 4171B-R900CE 23-0193 February 6, 2024 Neptune Technology Group, Inc. R900

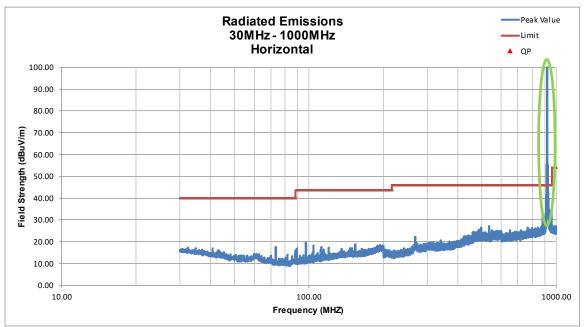


Figure 2. Radiated Emissions 30 MHz – 1000 MHz, Horizontal Note: Circled in green is the fundamental of 900 MHz radio

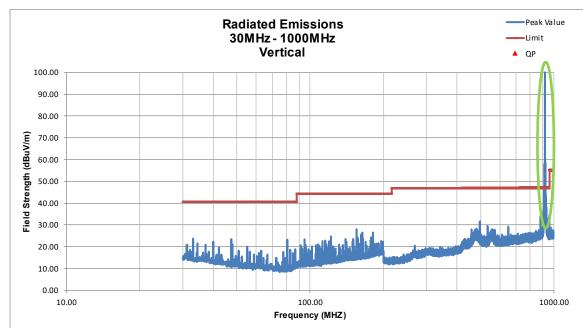


Figure 3. Radiated Emissions 30 MHz – 1000 MHz, Vertical Note: Circled in green is the fundamental of 900 MHz radio

US Tech Test Report: FCC ID: IC ID: Test Report Number: Issue Date: Customer: Model: FCC Part 15 Class II Permissive Change P2SR900CE 4171B-R900CE 23-0193 February 6, 2024 Neptune Technology Group, Inc. R900

Table 10. Spurious Radiated Emissions (1 GHz – 9 GHz)

1 GHz to 10 GHz with Class B Limits Test: Radiated Emissions per CFR 15.209							
Frequency (MHz)	Test Data (dBuV)	AF+CL-PA (dB)		Limits (dBuV/m)	Distance / Polarization	Margin (dB)	Detector PK / AVG
No emissions other than harmonics of the fundamental frequency were detected.							

Test Date: January 30, 2024

Test Engineer: <u>Gabriel Medina</u> Signature:

2.11 Measurement Uncertainty

The measurement uncertainties given were calculated using the method detailed in CISPR 16-4-2:2011. A coverage factor of k=2 was used to give a level of confidence of approximately 95%.

2.11.1 Conducted Emissions Measurement Uncertainty

Measurement Uncertainty (within a 95% confidence level) for this test is ±2.78 dB.

2.11.2 Radiated Emissions Measurement Uncertainty

For a measurement distance of 3 m the measurement uncertainty (with a 95% confidence level) for this test using a Biconical Antenna (30 MHz to 200 MHz) is ± 5.3 dB. This value includes all elements of measurement.

The measurement uncertainty (with a 95% confidence level) for this test using a Log Periodic Antenna (200 MHz to 1000 MHz) is ± 5.1 dB.

The measurement uncertainty (with a 95% confidence level) for this test using a Horn Antenna (Above 1000 MHz) is ± 5.1 dB.

3 Test Results

The EUT is deemed to have met the requirements of the standards cited within the test report when tested as detailed in the test report.