



Medtronic, Inc.

MyCareLink Home Communicator Model 26950

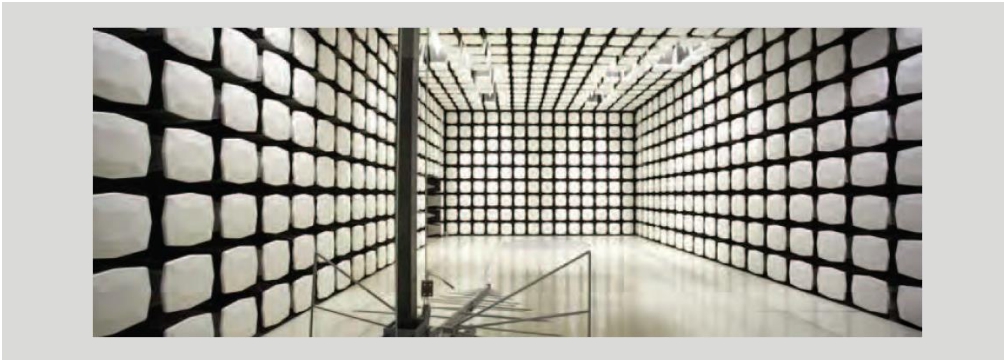
FCC 15.209:2026

RSS-210 Issue 11:2024

RSS-Gen Issue 5:2018+A1:2019+A2:2021

Inductive Radio

Report: MDTR1166.23 Rev. 02, Issue Date: March 24, 2026



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TABLE OF CONTENTS

Section	Page Number
Certificate of Test	3
Revision History	4
Facilities	5
Measurement Uncertainty	6
Test Setup Block Diagrams	7
Product Description	10
Configurations	11
Modifications	14
Power Settings and Antennas	15
Powerline Conducted Emissions	16
Field Strength of Fundamental	21
Spurious Radiated Emissions (Less than 30 MHz)	25
Spurious Radiated Emissions (Greater than 30 MHz)	31
Occupied Bandwidth	35
End of Report	38

CERTIFICATE OF TEST

Last Date of Test: November 20, 2025
Medtronic, Inc.
EUT: MyCareLink Home Communicator Model 26950

Radio Equipment Testing

Standards

Specification	Method
FCC 15.209:2026	ANSI C63.10:2020 Cor.1:2023
RSS-210 Issue 11:2024	ANSI C63.10:2020 Cor.1:2023 +C63.10a:2024 +Errata to C63.10a:2024
RSS-Gen Issue 5:2018+A1:2019+A2:2021	

Guidance

Notice 2020 - DRS0023

Results

Test Description	Result	FCC Section(s)	RSS Section(s)	ANSI C63.10 Section(s)	Comments
Powerline Conducted Emissions	Pass	15.207	RSS-Gen 8.8	6.2	
Field Strength of Fundamental	Pass	15.209	RSS-210 7.2, RSS-Gen 6.12	6.4	
Spurious Radiated Emissions (Less than 30 MHz)	Pass	15.209	RSS-210 7.2, RSS-Gen 6.13	6.4	
Spurious Radiated Emissions (Greater than 30 MHz)	Pass	15.209	RSS-210 7.2, RSS-Gen 6.13	6.5	
Occupied Bandwidth	Evaluated	N/A	RSS-Gen 6.7	6.9.3	

Deviations From Test Standards

None

Approved By:



Trevor Buls, Principal EMC Test Engineer
 Signed for and on behalf of Element

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

REVISION HISTORY



Revision Number	Description	Date (yyyy-mm-dd)	Page Number
00	None		
01	Updated ANSI Method, clarified MU frequency range, clarified serial numbers tested.	2026-03-03	3, 6, 16-31
02	Updated FCC year to current. The testing remains valid to the current requirements	2026-03-24	1, 3
	Added software information to configs		11-12

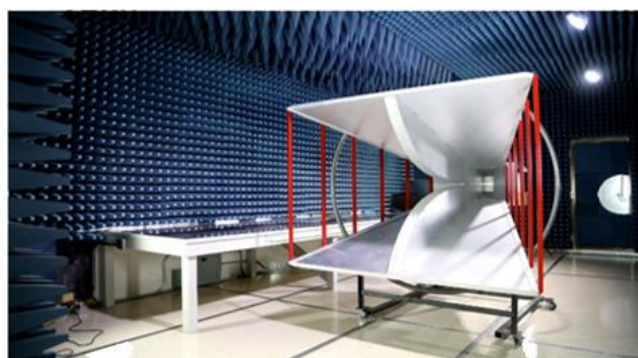
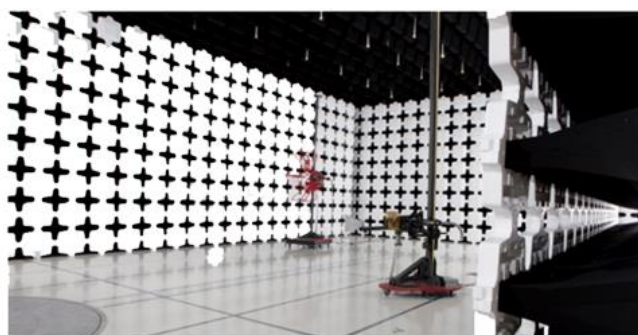
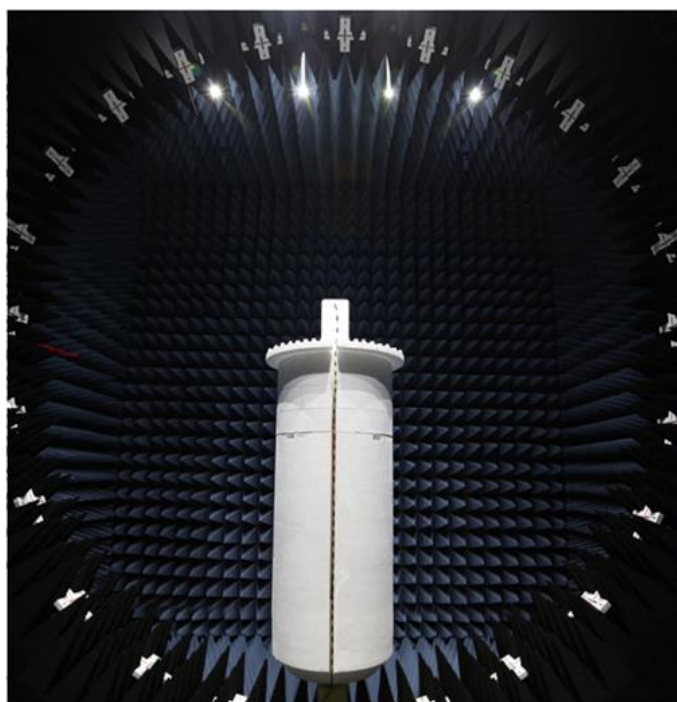
FACILITIES

Testing was performed at the following location(s)

	Location	Labs ⁽¹⁾	Address	A2LA ⁽²⁾	ISED ⁽³⁾	BSMI ⁽⁴⁾	VCCI ⁽⁵⁾	CAB	FDA ⁽⁶⁾
☒	California	OC01-17	41 Tesla Irvine, CA 92618 (949) 861-8918	3310.04	2834B	SL2-IN-E-1154R	A-0029	US0158	TL-55
☒	Minnesota	MN01-11	9349 W Broadway Ave. Brooklyn Park, MN 55445 (612) 638-5136	3310.05	2834E	SL2-IN-E-1152R	A-0109	US0175	TL-57
☐	Oregon	EV01-12	6775 NE Evergreen Pkwy #400 Hillsboro, OR 97124 (503) 844-4066	3310.02	2834D	SL2-IN-E-1017	A-0108	US0017	TL-56
☐	Washington	NC01-05	19201 120th Ave NE Bothell, WA 98011 (425) 984-6600	3310.06	2834F	SL2-IN-E-1153R	A-0110	US0157	TL-67
☐	Offsite	N/A	See Product Description	N/A	N/A	N/A	N/A	N/A	N/A

See data sheets for specific labs

- (1) The lab designations denote individual rooms within each location. (OC01, OC02, OC03, etc.)
- (2) A2LA Certificate No.
- (3) ISED Company No.
- (4) BSMI No.
- (5) VCCI Site Filing No.
- (6) FDA ASCA No.



MEASUREMENT UNCERTAINTY

Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation reported is based on statistical analysis that was performed by the laboratory. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty ($k=2$) can be found in the table below. A lab specific value may also be found in the applicable test description section. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable) and are available upon request.

The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

Various Measurements

Test	All Labs (+/-)
Frequency Accuracy (%)	0.0007
Amplitude Accuracy (dB)	1.2
Conducted Power (dB)	1.2
Radiated Power via Substitution (dB)	0.7
Temperature (degrees C)	0.7
Humidity (% RH)	2.5
Voltage (AC) (%)	1
Voltage (DC) (%)	0.7
Near-field Measurement of E-Field (dB)	1.89
Near-field Measurement of H-Field (dB)	2.65

Field Strength Measurements (dB)

Range	OC07 (+/-)	OC08 (+/-)
9kHz-30MHz	1.8	1.8
30MHz-1GHz 3m	4.7	N/A
30MHz-1GHz 10m	N/A	3.4
1GHz-6GHz	5.1	N/A
6GHz-40GHz	5.1	N/A

AC Powerline Conducted Emissions Measurements (dB)

Range	MN03 (+/-)
9kHz-150kHz LISN	3.6
150kHz-30MHz LISN	3.2
150kHz-30MHz CVP	3
150kHz-30MHz Telecom-ISN	4.4

TEST SETUP BLOCK DIAGRAMS

Measurement Bandwidths

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Unless otherwise stated, measurements were made using the bandwidths and detectors specified. No video filter was used.

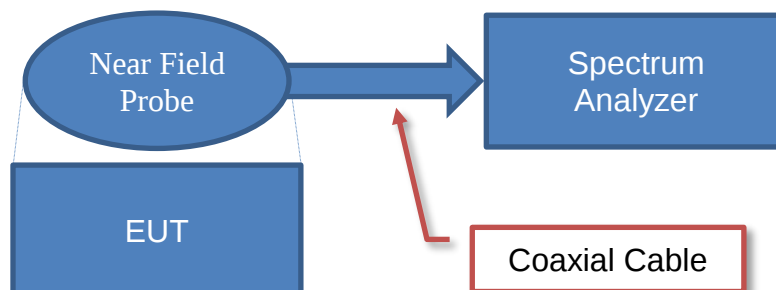
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)

Measured Value	=	Measured Level	+	Reference Level Offset
71.2		42.6		28.6

Near Field Test Fixture Measurements

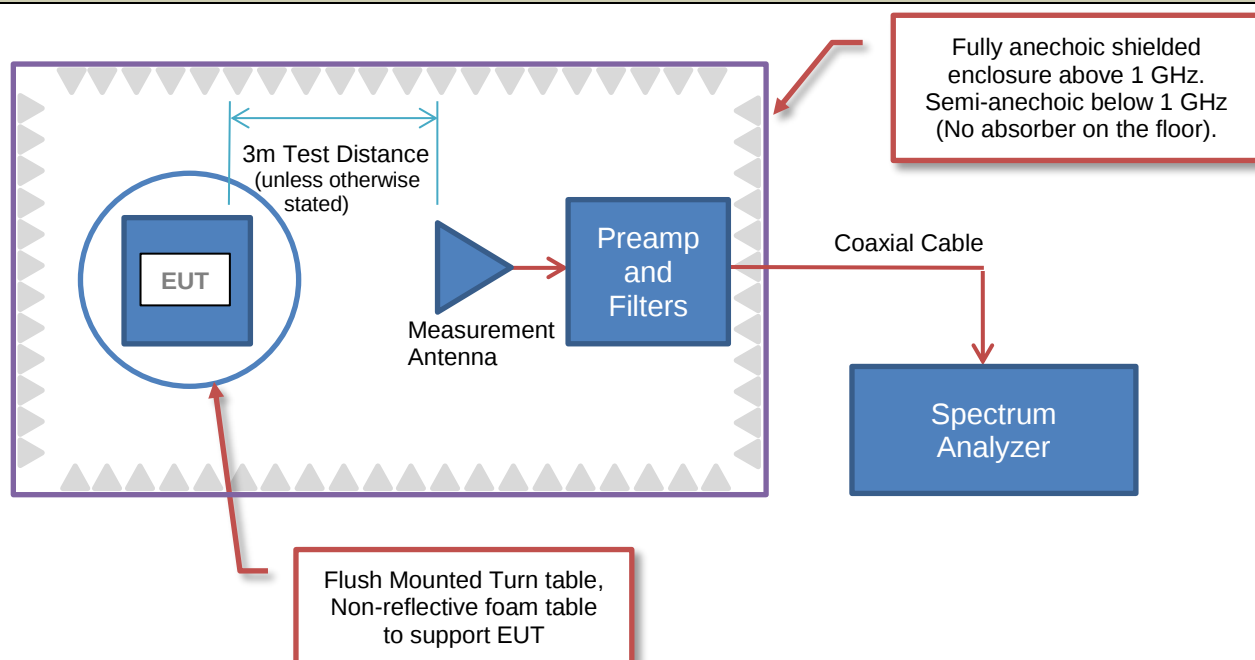


Sample Calculation (logarithmic units)

Measured Value	=	Measured Level	+	Reference Level Offset
71.2		42.6		28.6

TEST SETUP BLOCK DIAGRAMS

Emissions Measurements



Sample Calculation (logarithmic units)

Radiated Emissions:

Measured Level (Amplitude)	Factor			Distance Adjustment Factor	External Attenuation	Field Strength
	Antenna Factor	Cable Factor	Amplifier Gain			
42.6	28.6	3.1	40.8	0.0	0.0	33.5

Conducted Emissions:

Measured Level (Amplitude)	Factor		External Attenuation	Adjusted Level
	Transducer Factor	Cable Factor		
26.7	0.3	0.1	20.0	47.1

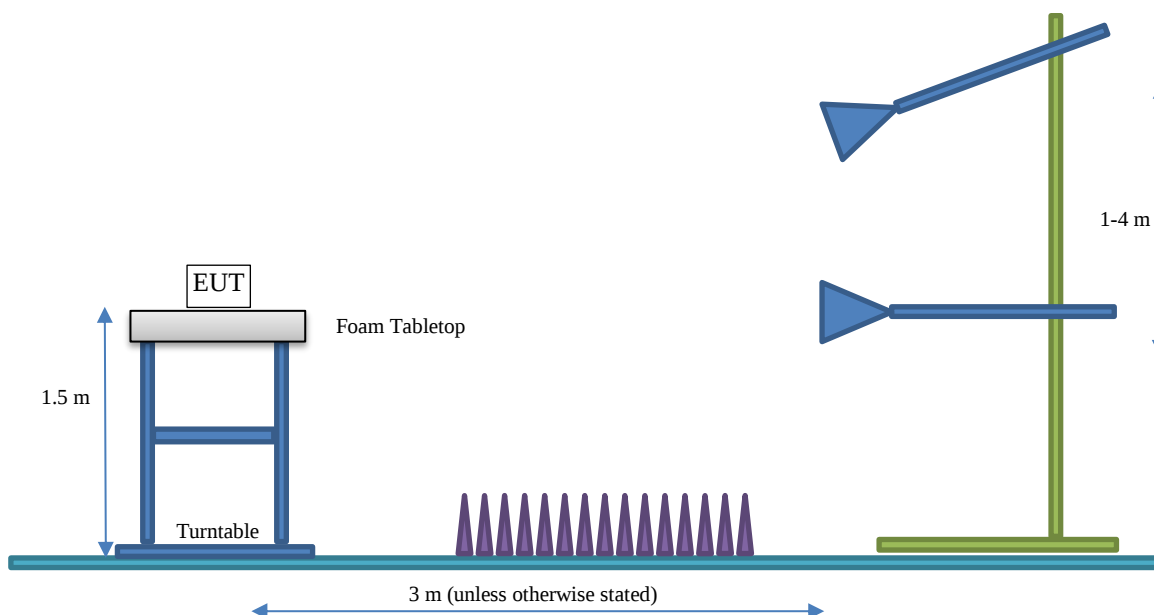
Radiated Power (ERP/EIRP) – Substitution Method:

Measured Level into Substitution Antenna (Amplitude dBm)	Substitution Antenna Factor (dBi)	EIRP to ERP (if applicable)	Measured power (dBm ERP/EIRP)
10.0	6.0	2.15	13.9/16.0

TEST SETUP BLOCK DIAGRAMS

Bore Sighting (>1GHz)

The diameter of the illumination area is the dimension of the line tangent to the EUT formed by 3 dB beamwidth of the measurement antenna at the measurement distance. At a 3 meter test distance, the diameter of the illumination area was 3.8 meters at 1 GHz and greater than 2.1 meters up to 6 GHz. Above 1 GHz, when required by the measurement standard, the antenna is pointed for both azimuth and elevation to maintain the receive antenna within the cone of radiation from the EUT. The specified measurement detectors were used for comparison of the emissions to the peak and average specification limits.



PRODUCT DESCRIPTION



Client and Equipment under Test (EUT) Information

Company Name:	Medtronic, Inc.
Address:	710 Medtronic Pkwy NE
City, State, Zip:	Minneapolis, MN 55432
Test Requested By:	Jed Meyer
EUT:	MyCareLink Home Communicator Model 26950
First Date of Test:	August 11, 2025
Last Date of Test:	November 20, 2025
Receipt Date of Samples:	August 11, 2025
Equipment Design Stage:	Production
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:

The MyCareLink Home Communicator Model 26950 monitor wirelessly transfers information between an implanted medical device and the Medtronic CareLink network. The wireless communication between the MyCareLink Home Communicator Model 26950 and an implanted medical device is accomplished by means of either a Bluetooth low energy (BLE) radio or inductive telemetry. The link between the MyCareLink Home Communication Model 26950 and the Medtronic CareLink network is accomplished by means of either a Wi-Fi or cellular radio. The Wi-Fi radio supports 802.11a/b/g/n (2.4 GHz and 5GHz, 20 or 40 MHz bandwidth) and the two variations of the cellular radio.

Testing Objective:

To demonstrate compliance of the inductive portion of the device to FCC Part 15.209 specifications and the General Field Strength (<30MHz) Inductive radio to ISED specifications per RSS-210 section 7.3

CONFIGURATIONS



Configuration MDTR1166-1

Software/Firmware Running During Test	
Description	Version
DVT2 Cellular (Global) Module Baseband FW	EG912UGLAAR03A13M08_01.200.01.200
DVT2 Cellular (US) Module Baseband FW	EG915QNALCR01A07M04_01.008.01.008
Base Wifi/Bluetooth Baseband FW	SDIW416---16.92.21.p149.4-MM6X16505.p23-(FP92)
Base PCBA FW Version	android-13.0.0_2.2.0-rc2(1.2.970)
Tel A/B PCBA FW Version	V0.1.4.1719
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26950	BTB111014i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
SMA Patch Cable	Murata	None	EQ24230010

Remote Equipment Outside of Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Laptop	Dell	Lattitude 5420	6VM66M3
DC Power Supply	Asian Power Devices Inc	W4A-24BI2RU	S4518999000005

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
Programming USB with Custom JTAG Cable	Yes	1 m	Yes	Laptop	MyCareLink Home Communicator Model 26950
DC Power Cable	No	2 m	Yes	DC Power Supply	MyCareLink Home Communicator Model 26950

CONFIGURATIONS

Configuration MDTR1166-21

Software/Firmware Running During Test	
Description	Version
DVT2 Cellular (Global) Module Baseband FW	EG912UGLAAR03A13M08_01.200.01.200
DVT2 Cellular (US) Module Baseband FW	EG915QNALCR01A07M04_01.008.01.008
Base Wifi/Bluetooth Baseband FW	SDIW416---16.92.21.p149.4-MM6X16505.p23-(FP92)
Base PCBA FW Version	android-13.0.0_2.2.0-rc2(1.2.970)
Tel A/B PCBA FW Version	V0.1.4.1719
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26950	ABB210015i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC/DC Adapter	Asian Power Devices Inc	WA-24BI2FU	N/A

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	2.1 m	Yes	MyCareLink Home Communicator Model 26950	AC/DC Adapter
USB Extension Cable	No	50 cm	No	MyCareLink Home Communicator Model 26950	Unterminated

Configuration MDTR1166-34

Software/Firmware Running During Test	
Description	Version
DVT2 Cellular (Global) Module Baseband FW	EG912UGLAAR03A13M08_01.200.01.200
DVT2 Cellular (US) Module Baseband FW	EG915QNALCR01A07M04_01.008.01.008
Base Wifi/Bluetooth Baseband FW	SDIW416---16.92.21.p149.4-MM6X16505.p23-(FP92)
Base PCBA FW Version	android-13.0.0_2.2.0-rc2(1.2.970)
Tel A/B PCBA FW Version	V0.1.4.1719
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26950	Medtronic, Inc	MyCareLink Home Communicator Model 26950	BTB111014i

CONFIGURATIONS



Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC/DC Adapter	Asian Power Devices Inc	WA-24BI2FU	N/A

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	2.1 m	Yes	MyCareLink Home Communicator Model 26950	AC/DC Adapter

MODIFICATIONS

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2025-08-11	Field Strength of Fundamental	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
2	2025-08-11	Spurious Radiated Emission (Less than 30MHz)	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
3	2025-08-12	Spurious Radiated Emissions (Greater than 30MHz)	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
4	2025-11-10	Occupied Bandwidth (99%)	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
5	2025-11-20	Powerline Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

POWER SETTINGS AND ANTENNAS



The power settings, antenna gain value(s) and cable loss (if applicable) used for the testing contained in this report were provided by the customer and will affect the validity of the results. Element assumes no responsibility for the accuracy of this information. The power settings below reflect the maximum power that the EUT is allowed to transmit at during normal operation.

ANTENNA GAIN (dBi)

Type	Provided by:	Dimensions(mm)	Turns
Two square loops	Medtronic	69 x 58	96

The EUT was tested using the power settings provided by the manufacturer which were not adjustable

SETTINGS FOR ALL TESTS IN THIS REPORT

Description	Frequency	Band	Power setting (dBm)
Inductive	175 kHz	Tel A OOK	N/A
		Tel B FSK	

POWERLINE CONDUCTED EMISSIONS

TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Per the standard, an insulating material was also added to ground plane between the EUT's power and remote I/O cables. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Receiver	Gauss Instruments	TDEMI 30M	ARS	2025-05-20	2026-05-20
LISN	Solar Electronics	9252-50-R-24-BNC	LIY	2025-03-30	2026-03-30
Cable - Conducted Cable Assembly	Northwest EMC	MNC, HGN, TYK, VAE	MNCA	2025-02-14	2026-02-14

CONFIGURATIONS INVESTIGATED

MDTR1166-34

MODES INVESTIGATED

Continuous Auto ID, Telemetry A and B beacon.

POWERLINE CONDUCTED EMISSIONS

EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB210014i	Date:	2025-11-20
Customer:	Medtronic, Inc.	Temperature:	24.2°C
Attendees:	None	Relative Humidity:	31.1%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Dan Haas	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	MDTR1166-34

TEST PARAMETERS

Run #:	57	Line:	High Line	Add. Ext. Attenuation (dB):	0
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COMMENTS

None

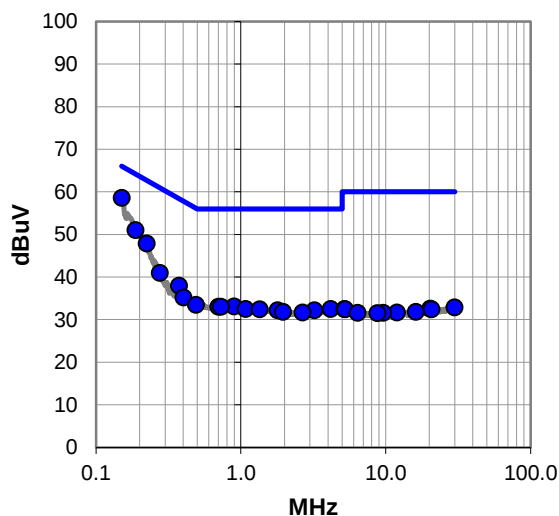
EUT OPERATING MODES

Continuous Auto ID, Telemetry A and B beacon.

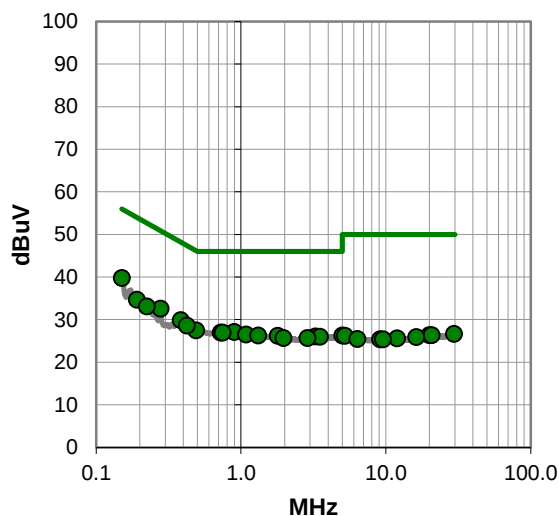
DEVIATIONS FROM TEST STANDARD

None

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #57

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	37.5	21.1	58.6	66.0	-7.4
0.187	30.1	20.9	51.0	64.2	-13.2
0.223	27.1	20.8	47.9	62.7	-14.8
0.275	20.3	20.7	41.0	61.0	-20.0
0.374	17.4	20.6	38.0	58.4	-20.4
0.402	14.6	20.6	35.2	57.8	-22.6
0.490	12.8	20.7	33.5	56.2	-22.7
0.898	12.4	20.7	33.1	56.0	-22.9
0.699	12.2	20.8	33.0	56.0	-23.0
0.727	12.2	20.8	33.0	56.0	-23.0
1.078	11.8	20.7	32.5	56.0	-23.5
4.174	11.6	20.9	32.5	56.0	-23.5
1.345	11.7	20.7	32.4	56.0	-23.6
1.795	11.5	20.7	32.2	56.0	-23.8
3.217	11.4	20.8	32.2	56.0	-23.8
1.950	11.1	20.7	31.8	56.0	-24.2
2.657	11.0	20.7	31.7	56.0	-24.3
29.787	10.0	22.9	32.9	60.0	-27.1
20.327	10.7	21.9	32.6	60.0	-27.4
5.185	11.6	20.9	32.5	60.0	-27.5
5.245	11.5	20.9	32.4	60.0	-27.6
20.657	10.5	21.9	32.4	60.0	-27.6
16.166	10.1	21.7	31.8	60.0	-28.2
11.969	10.3	21.4	31.7	60.0	-28.3
6.386	10.7	20.9	31.6	60.0	-28.4

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	18.7	21.1	39.8	56.0	-16.2
0.278	12.0	20.6	32.6	50.9	-18.3
0.383	9.3	20.6	29.9	48.2	-18.3
0.490	6.8	20.7	27.5	46.2	-18.7
0.423	7.9	20.7	28.6	47.4	-18.8
0.898	6.4	20.7	27.1	46.0	-18.9
0.722	6.2	20.8	27.0	46.0	-19.0
0.747	6.2	20.8	27.0	46.0	-19.0
0.191	13.8	20.9	34.7	54.0	-19.3
1.084	5.8	20.7	26.5	46.0	-19.5
0.223	12.3	20.8	33.1	52.7	-19.6
1.311	5.6	20.7	26.3	46.0	-19.7
1.795	5.5	20.7	26.2	46.0	-19.8
3.267	5.3	20.8	26.1	46.0	-19.9
3.510	5.1	20.9	26.0	46.0	-20.0
1.958	5.0	20.7	25.7	46.0	-20.3
2.874	5.0	20.7	25.7	46.0	-20.3
29.603	3.8	22.9	26.7	50.0	-23.3
19.947	4.5	21.9	26.4	50.0	-23.6
20.657	4.5	21.9	26.4	50.0	-23.6
5.011	5.4	20.9	26.3	50.0	-23.7
5.208	5.3	20.9	26.2	50.0	-23.8
16.227	4.2	21.7	25.9	50.0	-24.1
11.957	4.2	21.4	25.6	50.0	-24.4
6.355	4.6	20.9	25.5	50.0	-24.5

CONCLUSION

Pass



Tested By

POWERLINE CONDUCTED EMISSIONS

EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB210014i	Date:	2025-11-20
Customer:	Medtronic, Inc.	Temperature:	24.2°C
Attendees:	None	Relative Humidity:	31.1%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Dan Haas	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	MDTR1166-34

TEST PARAMETERS

Run #:	58	Line:	Neutral	Add. Ext. Attenuation (dB):	0
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COMMENTS

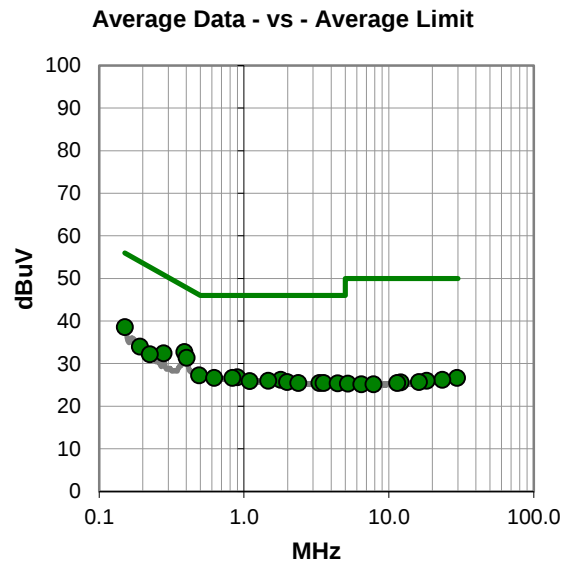
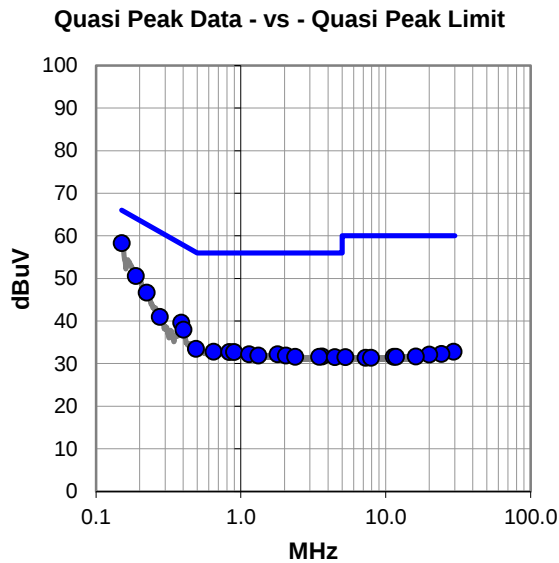
None

EUT OPERATING MODES

Continuous Auto ID, Telemetry A and B beacon.

DEVIATIONS FROM TEST STANDARD

None



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #58

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	37.2	21.1	58.3	66.0	-7.7
0.188	29.7	20.9	50.6	64.1	-13.5
0.223	25.9	20.8	46.7	62.7	-16.0
0.388	19.0	20.6	39.6	58.1	-18.5
0.402	17.4	20.6	38.0	57.8	-19.8
0.275	20.3	20.7	41.0	61.0	-20.0
0.490	12.8	20.7	33.5	56.2	-22.7
0.646	12.0	20.8	32.8	56.0	-23.2
0.829	12.0	20.7	32.7	56.0	-23.3
0.898	12.0	20.7	32.7	56.0	-23.3
1.137	11.5	20.7	32.2	56.0	-23.8
1.795	11.5	20.7	32.2	56.0	-23.8
1.320	11.2	20.7	31.9	56.0	-24.1
2.045	11.2	20.7	31.9	56.0	-24.1
3.624	10.8	20.9	31.7	56.0	-24.3
2.365	10.9	20.7	31.6	56.0	-24.4
3.463	10.7	20.9	31.6	56.0	-24.4
4.447	10.6	20.9	31.5	56.0	-24.5
29.409	10.0	22.8	32.8	60.0	-27.2
24.209	10.0	22.3	32.3	60.0	-27.7
19.981	10.2	21.9	32.1	60.0	-27.9
16.166	10.0	21.7	31.7	60.0	-28.3
11.334	10.3	21.3	31.6	60.0	-28.4
11.755	10.2	21.4	31.6	60.0	-28.4
5.257	10.6	20.9	31.5	60.0	-28.5

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.386	12.1	20.6	32.7	48.1	-15.4
0.402	10.8	20.6	31.4	47.8	-16.4
0.150	17.5	21.1	38.6	56.0	-17.4
0.278	11.8	20.6	32.4	50.9	-18.5
0.490	6.6	20.7	27.3	46.2	-18.9
0.898	6.1	20.7	26.8	46.0	-19.2
0.623	5.9	20.8	26.7	46.0	-19.3
0.829	6.0	20.7	26.7	46.0	-19.3
1.795	5.5	20.7	26.2	46.0	-19.8
0.191	13.1	20.9	34.0	54.0	-20.0
1.470	5.3	20.7	26.0	46.0	-20.0
1.093	5.2	20.7	25.9	46.0	-20.1
1.981	5.0	20.7	25.7	46.0	-20.3
0.223	11.4	20.8	32.2	52.7	-20.5
2.365	4.8	20.7	25.5	46.0	-20.5
3.318	4.6	20.9	25.5	46.0	-20.5
3.546	4.6	20.9	25.5	46.0	-20.5
4.425	4.5	20.9	25.4	46.0	-20.6
29.610	3.8	22.9	26.7	50.0	-23.3
23.435	4.0	22.2	26.2	50.0	-23.8
18.243	4.2	21.8	26.0	50.0	-24.0
16.166	4.0	21.7	25.7	50.0	-24.3
12.067	4.2	21.4	25.6	50.0	-24.4
11.385	4.2	21.3	25.5	50.0	-24.5
5.219	4.4	20.9	25.3	50.0	-24.7

CONCLUSION

Pass



Tested By

FIELD STRENGTH OF FUNDAMENTAL

TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was continuously transmitting while set to the channel specified.

The fundamental carrier of the EUT was maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis, and adjusting the measurement antenna polarization (per ANSI C63.10). A calibrated active loop antenna was used for this test in order to provide sufficient measurement sensitivity. The reference point of the loop antenna was maintained at 1m above the ground plane during the testing.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector
PK = Peak Detector
AV = CISPR Average Detector

As outlined in 15.209(e), 15.31(f)(2), and RSS-GEN, 6.5, measurements may be performed at a distance closer than what is specified with the limit. The limit at the specified distance is shown on the data sheet. Measurements are made at a closer distance and the data is adjusted using a distance correction factor of 40dB/decade for comparison to the limit.

The limits in CFR 47, Part 15C 15.209(a) are identical to those in RSS-Gen section 8.9 Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377 Ohms. For example, an E-Field measurement in dBuV/m can be converted to dBuA/m via the following formula: dBuV/m - 51.5 dB = dBuA/m. E-Field measurements have the same margin in dB to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limits

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Loop	EMCO	6502	AZB	2023-09-06	2025-09-06
Cable	Northwest EMC	3kHz - 1GHz RE Cables	OCB	2025-05-01	2026-05-01
Receiver	Rohde & Schwarz	ESCI	ARG	2024-09-19	2025-09-19

FREQUENCY RANGE INVESTIGATED

9 kHz TO 490 kHz

POWER INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

MDTR1166-21

MODES INVESTIGATED

Transmitting Inductive Telemetry A OOK and Telemetry B FSK

FIELD STRENGTH OF FUNDAMENTAL

EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB210014i	Date:	2025-08-11
Customer:	Medtronic, Inc.	Temperature:	23.8°C
Attendees:	Jed Meyer	Relative Humidity:	48.6%
Customer Project:	None	Bar. Pressure (PMSL):	1014 mb
Tested By:	Nolan De Ramos	Job Site:	OC08
Power:	110VAC/60Hz	Configuration:	MDTR1166-21

TEST PARAMETERS

Run #:	5	Test Distance (m):	10	Ant. Height(s) (m):	1(m)
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COMMENTS

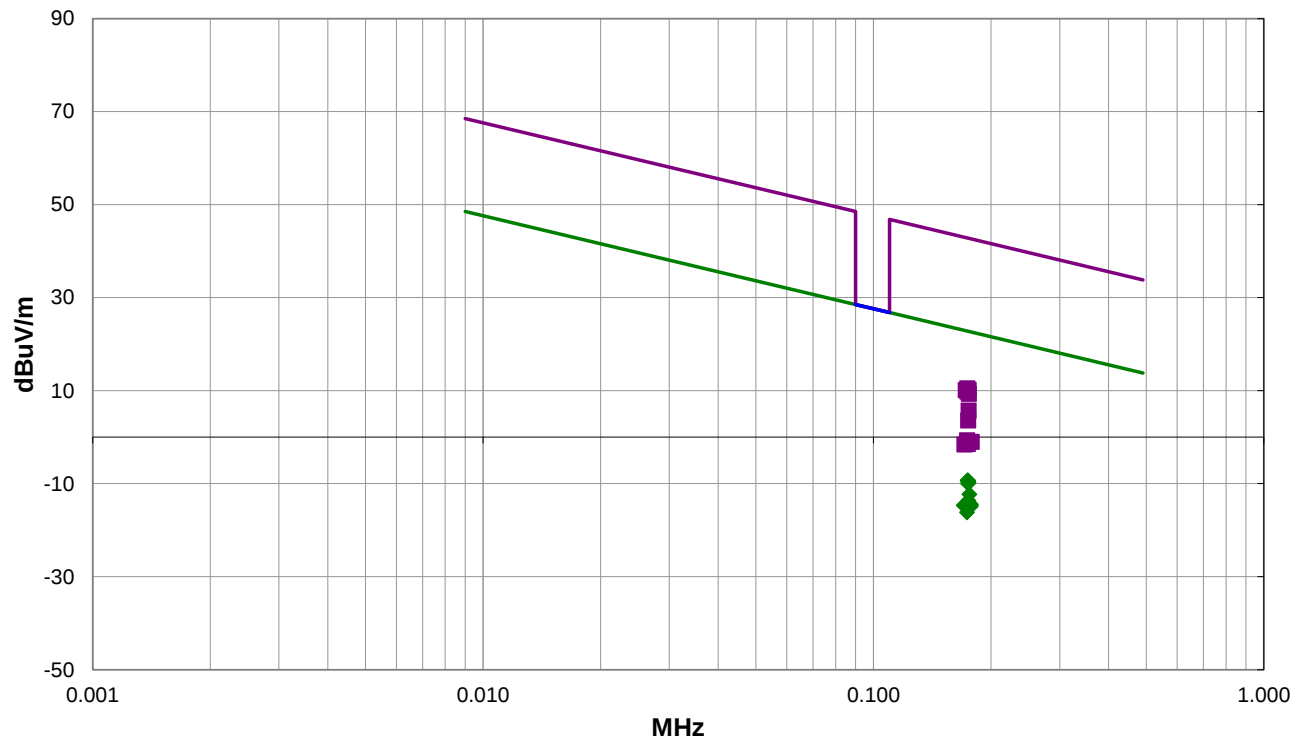
Downlink: Inductively couple 175 kHz FSK, Uplink: Inductively coupled 175 kHz DBPSK

EUT OPERATING MODES

Transmitting Inductive Telemetry A OOK and Telemetry B FSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 5

PK AV QP

FIELD STRENGTH OF FUNDAMENTAL

RESULTS - Run #5

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
0.174	39.8	10.0	1.0	90.0	10.0	0.0	Perp to EUT	AV	-59.1	-9.3	22.8	-32.1	Tx 175 kHz, Telemetry Head on Side, EUT Vert, PC
0.175	39.7	10.0	1.0	90.0	10.0	0.0	Perp to EUT	AV	-59.1	-9.4	22.8	-32.2	Tx 175 kHz, Telemetry Head on Side, EUT Horz
0.174	59.6	10.0	1.0	290.0	10.0	0.0	Perp to EUT	PK	-59.1	10.5	42.8	-32.3	Tx 175 kHz, Telemetry Head on Side, EUT Vert
0.175	39.6	10.0	1.0	290.0	10.0	0.0	Perp to EUT	AV	-59.1	-9.5	22.8	-32.3	Tx 175 kHz, Telemetry Head on Side, EUT Vert
0.175	39.4	10.0	1.0	306.0	10.0	0.0	Perp to EUT	AV	-59.1	-9.7	22.7	-32.4	Tx 175 kHz, Telemetry Head on Side, EUT on Side
0.175	59.3	10.0	1.0	306.0	10.0	0.0	Perp to EUT	PK	-59.1	10.2	42.7	-32.5	Tx 175 kHz, Telemetry Head on Side, EUT on Side
0.172	59.2	10.0	1.0	90.0	10.0	0.0	Perp to EUT	PK	-59.1	10.1	42.9	-32.8	Tx 175 kHz, Telemetry Head on Side, EUT Horz
0.175	39.1	10.0	1.0	274.0	10.0	0.0	Perp to EUT	AV	-59.1	-10.0	22.8	-32.8	Tx 175 kHz, Telemetry Head Vert, EUT Horz
0.174	58.9	10.0	1.0	90.0	10.0	0.0	Perp to EUT	PK	-59.1	9.8	42.8	-33.0	Tx 175 kHz, Telemetry Head on Side, EUT Vert, PC
0.175	58.4	10.0	1.0	274.0	10.0	0.0	Perp to EUT	PK	-59.1	9.3	42.7	-33.4	Tx 175 kHz, Telemetry Head Vert, EUT Horz
0.176	36.8	10.0	1.0	221.0	10.0	0.0	Par to EUT	AV	-59.1	-12.3	22.7	-35.0	Tx 175 kHz, Telemetry Head on Side, EUT Horz
0.175	35.4	10.0	1.0	211.0	10.0	0.0	Par to EUT	AV	-59.1	-13.7	22.7	-36.4	Tx 175 kHz, Telemetry Head Vert, EUT Horz
0.175	54.8	10.0	1.0	221.0	10.0	0.0	Par to EUT	PK	-59.1	5.7	42.7	-37.0	Tx 175 kHz, Telemetry Head on Side, EUT Horz
0.178	34.6	10.0	1.0	315.0	10.0	0.0	Perp to EUT	AV	-59.1	-14.5	22.6	-37.1	Tx 175 kHz, Telemetry Head Horz, EUT Horz
0.176	34.3	10.0	1.0	224.0	10.0	0.0	Par to GND	AV	-59.1	-14.8	22.7	-37.5	Tx 175 kHz, Telemetry Head on Side, EUT Horz
0.178	34.2	10.0	1.0	164.0	10.0	0.0	Par to EUT	AV	-59.1	-14.9	22.6	-37.5	Tx 175 kHz, Telemetry Head Horz, EUT Horz
0.170	34.4	10.0	1.0	312.0	10.0	0.0	Par to GND	AV	-59.1	-14.7	23.0	-37.7	Tx 175 kHz, Telemetry Head Horz, EUT Horz
0.174	32.9	10.0	1.0	12.0	10.0	0.0	Par to GND	AV	-59.1	-16.2	22.8	-39.0	Tx 175 kHz, Telemetry Head Vert, EUT Horz
0.175	52.7	10.0	1.0	211.0	10.0	0.0	Par to EUT	PK	-59.1	3.6	42.8	-39.2	Tx 175 kHz, Telemetry Head Vert, EUT Horz
0.174	48.4	10.0	1.0	164.0	10.0	0.0	Par to EUT	PK	-59.1	-0.7	42.8	-43.5	Tx 175 kHz, Telemetry Head Horz, EUT Horz
0.179	48.1	10.0	1.0	12.0	10.0	0.0	Par to GND	PK	-59.1	-1.0	42.6	-43.6	Tx 175 kHz, Telemetry Head Vert, EUT Horz
0.174	47.6	10.0	1.0	224.0	10.0	0.0	Par to GND	PK	-59.1	-1.5	42.8	-44.3	Tx 175 kHz, Telemetry Head on Side, EUT Horz
0.174	47.6	10.0	1.0	315.0	10.0	0.0	Perp to EUT	PK	-59.1	-1.5	42.8	-44.3	Tx 175 kHz, Telemetry Head Horz, EUT Horz
0.171	47.5	10.0	1.0	312.0	10.0	0.0	Par to GND	PK	-59.1	-1.6	43.0	-44.6	Tx 175 kHz, Telemetry Head Horz, EUT Horz

CONCLUSION

Pass

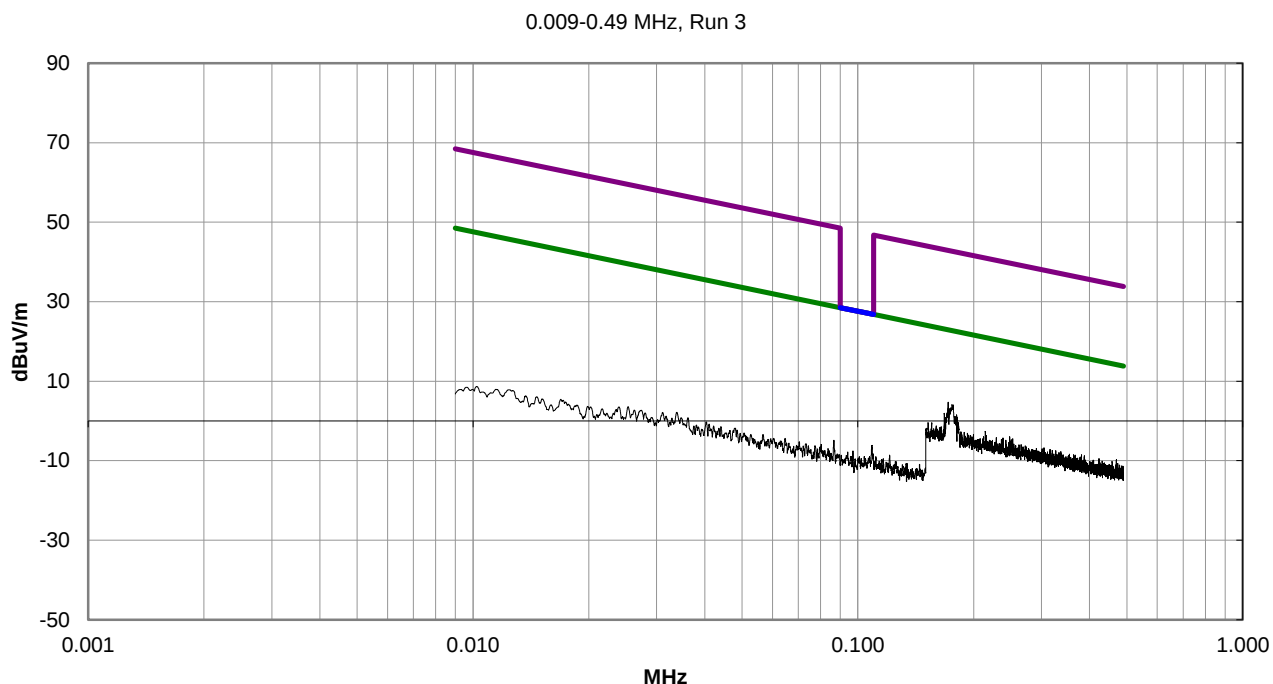


Tested By

FIELD STRENGTH OF FUNDAMENTAL

PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.



SPURIOUS RADIATED EMISSIONS (LESS THAN 30 MHZ)



TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was continuously transmitting while set to the channel specified.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. A reference preview scan (pre-scan) is included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis, and adjusting the measurement antenna height (where applicable) and polarization (per ANSI C63.10). A calibrated active loop antenna was used for this test in order to provide sufficient measurement sensitivity. The reference point of the loop antenna was maintained at 1m above the ground plane during the testing.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector
PK = Peak Detector
AV = CISPR Average Detector

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

As outlined in 15.209(e), 15.31(f)(2), and RSS-GEN, 6.5, measurements may be performed at a distance closer than what is specified with the limit. The limit at the specified distance is shown on the data sheet. Measurements are made at a closer distance and the data is adjusted using a distance correction factor of 40dB/decade for comparison to the limit.

The limits in CFR 47, Part 15C 15.209(a) are identical to those in RSS-Gen section 8.9 Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377 Ohms. For example, an E-Field measurement in dBuV/m can be converted to dBuA/m via the following formula: $\text{dBuV/m} - 51.5 \text{ dB} = \text{dBuA/m}$. E-Field measurements have the same margin in dB to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limits

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Loop	EMCO	6502	AZB	2023-09-06	2025-09-06
Cable	Northwest EMC	3kHz - 1GHz RE Cables	OCB	2025-05-01	2026-05-01
Receiver	Rohde & Schwarz	ESCI	ARG	2024-09-19	2025-09-19

FREQUENCY RANGE INVESTIGATED

9 kHz TO 30 MHz

POWER INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

MDTR1166-21

MODES INVESTIGATED

Transmitting Inductive Telemetry A OOK and Telemetry B FSK

SPURIOUS RADIATED EMISSIONS (LESS THAN 30 MHz)

EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB210014i	Date:	2025-08-11
Customer:	Medtronic, Inc.	Temperature:	23.8°C
Attendees:	Jed Meyer	Relative Humidity:	48.6%
Customer Project:	None	Bar. Pressure (PMSL):	1014 mb
Tested By:	Nolan De Ramos	Job Site:	OC08
Power:	110VAC/60Hz	Configuration:	MDTR1166-21

TEST PARAMETERS

Run #:	6	Test Distance (m):	10	Ant. Height(s) (m):	1(m)
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COMMENTS

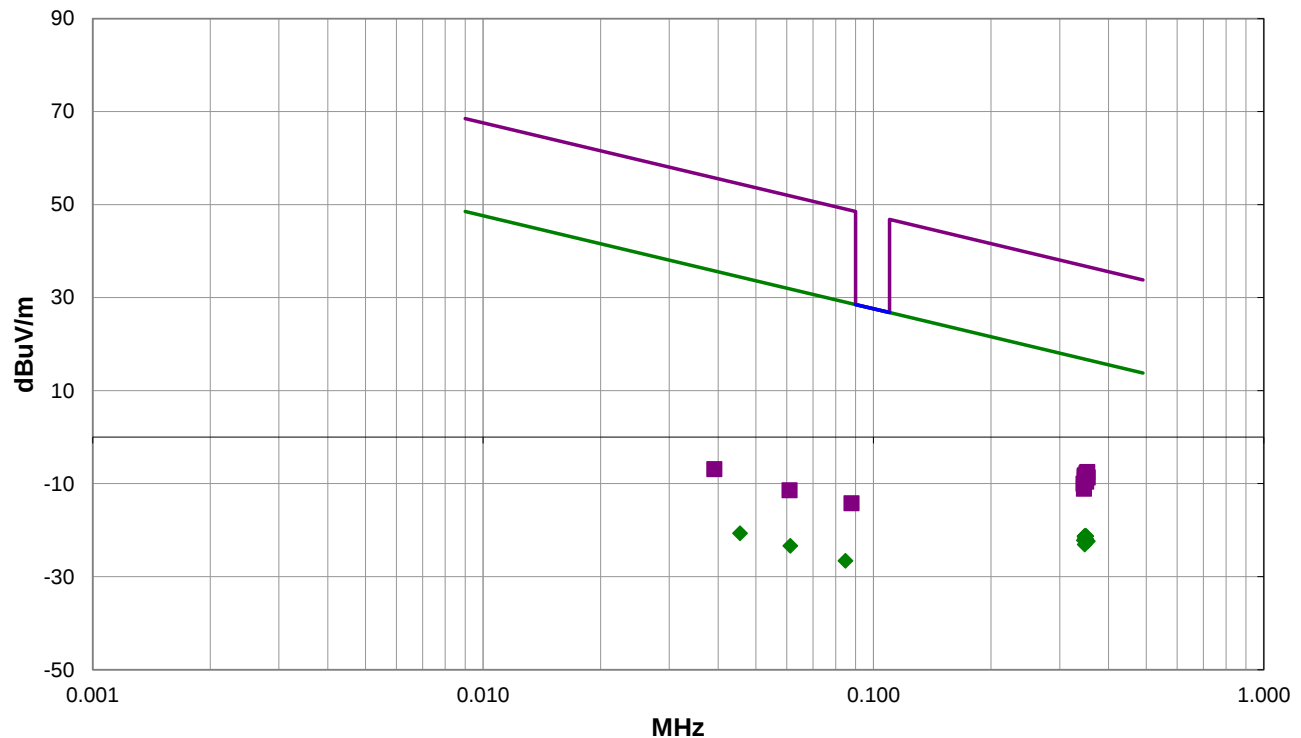
Downlink: Inductively couple 175 kHz FSK, Uplink: Inductively coupled 175 kHz DBPSK

EUT OPERATING MODES

Transmitting Inductive Telemetry A OOK and Telemetry B FSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 6

PK AV QP

SPURIOUS RADIATED EMISSIONS (LESS THAN 30 MHz)

RESULTS - Run #6

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
0.349	27.9	10.0	1.0	36.0	10.0	0.0	Perp to EUT	AV	-59.1	-21.2	16.7	-37.9	Tx 175 kHz, EUT on Side
0.351	27.9	9.9	1.0	348.0	10.0	0.0	Par to EUT	AV	-59.1	-21.3	16.7	-38.0	Tx 175 kHz, EUT Vert
0.348	27.8	10.0	1.0	227.0	10.0	0.0	Par to EUT	AV	-59.1	-21.3	16.8	-38.1	Tx 175 kHz, EUT Horz
0.348	27.4	10.0	1.0	135.0	10.0	0.0	Perp to EUT	AV	-59.1	-21.7	16.8	-38.5	Tx 175 kHz, EUT Vert
0.351	27.3	9.9	1.0	131.0	10.0	0.0	Par to EUT	AV	-59.1	-21.9	16.7	-38.6	Tx 175 kHz, EUT on Side
0.352	27.0	9.9	1.0	144.0	10.0	0.0	Par to GND	AV	-59.1	-22.2	16.7	-38.9	Tx 175 kHz, EUT on Side
0.354	26.8	9.9	1.0	64.0	10.0	0.0	Perp to EUT	AV	-59.1	-22.4	16.6	-39.0	Tx 175 kHz, EUT Horz
0.346	26.9	10.0	1.0	311.0	10.0	0.0	Par to GND	AV	-59.1	-22.2	16.8	-39.0	Tx 175 kHz, EUT Horz
0.348	26.0	10.0	1.0	189.0	10.0	0.0	Par to GND	AV	-59.1	-23.1	16.8	-39.9	Tx 175 kHz, EUT Vert
0.353	41.7	9.9	1.0	36.0	10.0	0.0	Perp to EUT	PK	-59.1	-7.5	36.7	-44.2	Tx 175 kHz, EUT on Side
0.351	41.4	9.9	1.0	131.0	10.0	0.0	Par to EUT	PK	-59.1	-7.8	36.7	-44.5	Tx 175 kHz, EUT on Side
0.348	40.9	10.0	1.0	348.0	10.0	0.0	Par to EUT	PK	-59.1	-8.2	36.8	-45.0	Tx 175 kHz, EUT Vert
0.347	40.6	10.0	1.0	227.0	10.0	0.0	Par to EUT	PK	-59.1	-8.5	36.8	-45.3	Tx 175 kHz, EUT Horz
0.354	40.5	9.9	1.0	135.0	10.0	0.0	Perp to EUT	PK	-59.1	-8.7	36.6	-45.3	Tx 175 kHz, EUT Vert
0.348	39.9	10.0	1.0	144.0	10.0	0.0	Par to GND	PK	-59.1	-9.2	36.8	-46.0	Tx 175 kHz, EUT on Side
0.351	39.6	9.9	1.0	64.0	10.0	0.0	Perp to EUT	PK	-59.1	-9.6	36.7	-46.3	Tx 175 kHz, EUT Horz
0.345	39.1	10.0	1.0	311.0	10.0	0.0	Par to GND	PK	-59.1	-10.0	36.8	-46.8	Tx 175 kHz, EUT Horz
0.346	38.0	10.0	1.0	189.0	10.0	0.0	Par to GND	PK	-59.1	-11.1	36.8	-47.9	Tx 175 kHz, EUT Vert
0.046	27.2	11.2	1.0	75.0	10.0	0.0	Perp to EUT	AV	-59.1	-20.7	34.4	-55.1	Tx 175 kHz, EUT on Side
0.061	24.9	10.8	1.0	93.0	10.0	0.0	Perp to EUT	AV	-59.1	-23.4	31.8	-55.2	Tx 175 kHz, EUT on Side
0.085	22.2	10.3	1.0	110.0	10.0	0.0	Perp to EUT	AV	-59.1	-26.6	29.0	-55.6	Tx 175 kHz, EUT on Side
0.039	40.4	11.8	1.0	75.0	10.0	0.0	Perp to EUT	PK	-59.1	-6.9	55.7	-62.6	Tx 175 kHz, EUT on Side
0.088	34.5	10.4	1.0	110.0	10.0	0.0	Perp to EUT	PK	-59.1	-14.2	48.7	-62.9	Tx 175 kHz, EUT on Side
0.061	36.9	10.8	1.0	93.0	10.0	0.0	Perp to EUT	PK	-59.1	-11.4	51.9	-63.3	Tx 175 kHz, EUT on Side

CONCLUSION

Pass



Tested By

SPURIOUS RADIATED EMISSIONS (LESS THAN 30 MHz)

EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB210014i	Date:	2025-08-11
Customer:	Medtronic, Inc.	Temperature:	23.8°C
Attendees:	Jed Meyer	Relative Humidity:	48.6%
Customer Project:	None	Bar. Pressure (PMSL):	1014 mb
Tested By:	Nolan De Ramos	Job Site:	OC08
Power:	110VAC/60Hz	Configuration:	MDTR1166-21

TEST PARAMETERS

Run #:	7	Test Distance (m):	10	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

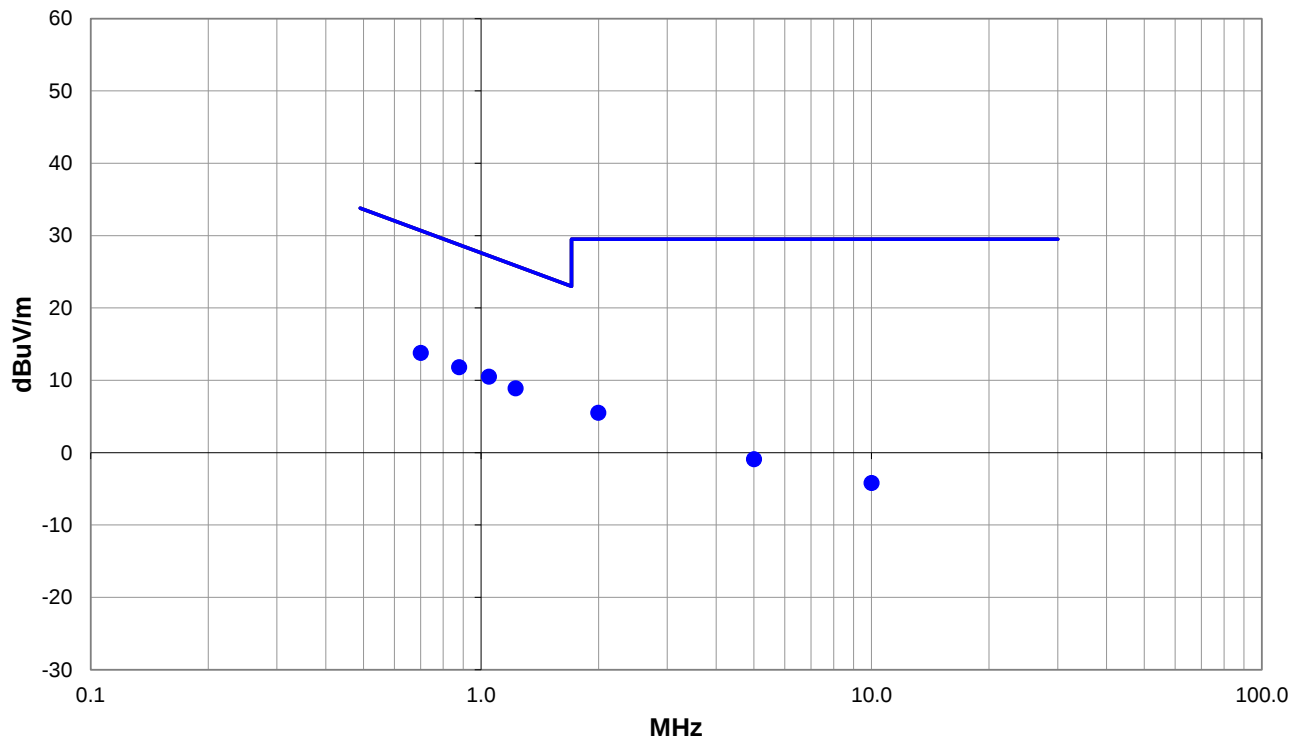
Downlink: Inductively couple 175 kHz FSK, Uplink: Inductively coupled 175 kHz DBPSK

EUT OPERATING MODES

Transmitting Inductive Telemetry A OOK and Telemetry B FSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 7

PK AV QP

SPURIOUS RADIATED EMISSIONS (LESS THAN 30 MHz)

RESULTS - Run #7

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
1.047	19.2	10.4	3.61	327.0	10.0	0.0	Perp to EUT	QP	-19.1	10.5	27.2	-16.7	Tx 175 kHz, EUT on Side
0.701	22.8	10.1	1.48	355.0	10.0	0.0	Perp to EUT	QP	-19.1	13.8	30.7	-16.9	Tx 175 kHz, EUT on Side
0.879	20.8	10.1	1.77	161.0	10.0	0.0	Perp to EUT	QP	-19.1	11.8	28.7	-16.9	Tx 175 kHz, EUT on Side
1.226	17.6	10.4	2.94	257.0	10.0	0.0	Perp to EUT	QP	-19.1	8.9	25.9	-17.0	Tx 175 kHz, EUT on Side
1.996	14.2	10.4	3.42	34.0	10.0	0.0	Perp to EUT	QP	-19.1	5.5	29.5	-24.0	Tx 175 kHz, EUT on Side
5.001	7.7	10.5	1.0	360.0	10.0	0.0	Perp to EUT	QP	-19.1	-0.9	29.5	-30.4	Tx 175 kHz, EUT on Side
10.001	4.0	10.9	1.0	360.0	10.0	0.0	Perp to EUT	QP	-19.1	-4.2	29.5	-33.7	Tx 175 kHz, EUT on Side

CONCLUSION

Pass

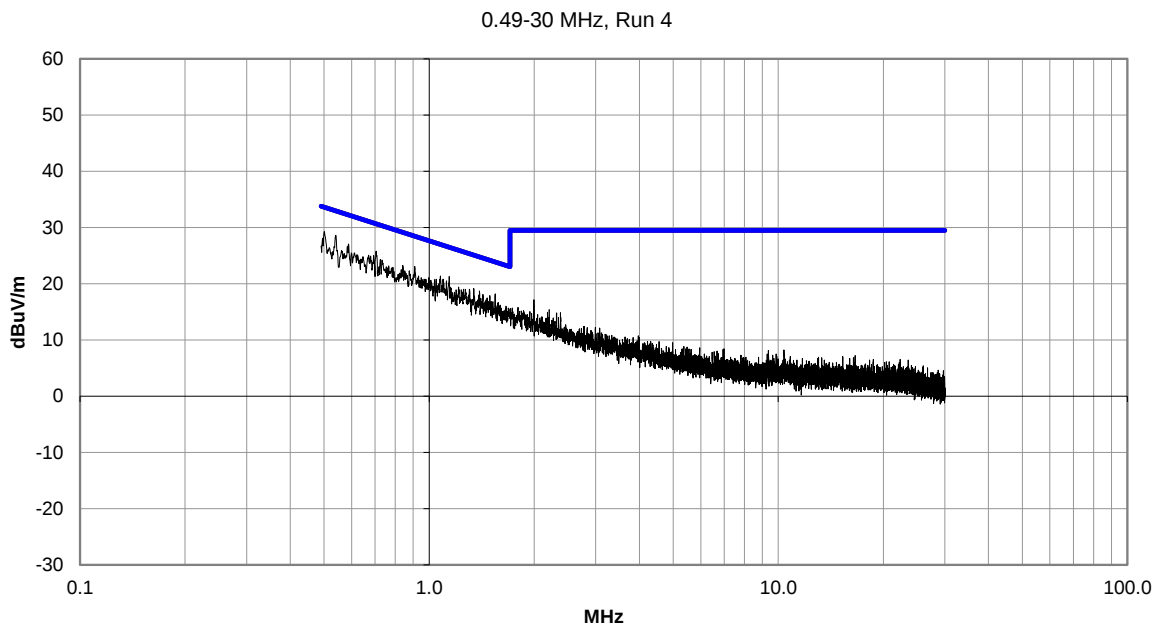
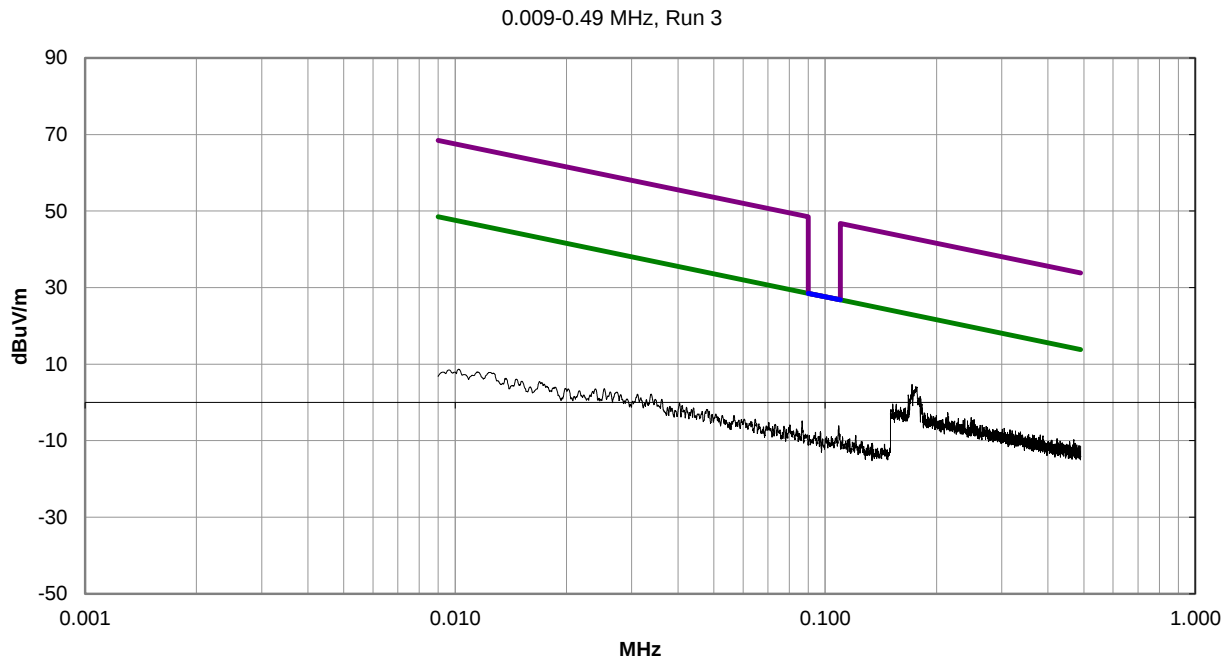


Tested By

SPURIOUS RADIATED EMISSIONS (LESS THAN 30 MHz)

PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.



SPURIOUS RADIATED EMISSIONS (GREATER THAN 30 MHz)



TEST DESCRIPTION

The antennas to be used with the EUT were tested. The EUT was transmitting while set at the operating channel.

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. These “pre-scans” are not included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector
PK = Peak Detector
AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Biconilog	EMCO	3142	AXA	2024-01-05	2026-01-05
Cable	ESM Cable Corp.	30-1GHz Cables	OCW	2024-12-17	2025-12-17
Amplifier - Pre-Amplifier	Miteq	AM-1616-1000	PAD	2024-12-17	2025-12-17
Filter - Low Pass	Micro-Tronics	LPM50004	HGK	2024-12-05	2025-12-05
Analyzer – Spectrum Analyzer	Agilent	E4446A	AAY	2025-02-05	2026-02-05

FREQUENCY RANGE INVESTIGATED

30 MHz TO 1000 MHz

POWER INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

MDTR1166-21

MODES INVESTIGATED

Transmitting Inductive Telemetry A OOK and Telemetry B FSK

SPURIOUS RADIATED EMISSIONS (GREATER THAN 30 MHz)



EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	ABB210014i	Date:	2025-08-12
Customer:	Medtronic, Inc.	Temperature:	24.4°C
Attendees:	Jed Meyer	Relative Humidity:	52.3%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mb
Tested By:	Nolan De Ramos	Job Site:	OC07
Power:	110VAC/60Hz	Configuration:	MDTR1166-21

TEST PARAMETERS

Run #:	5	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

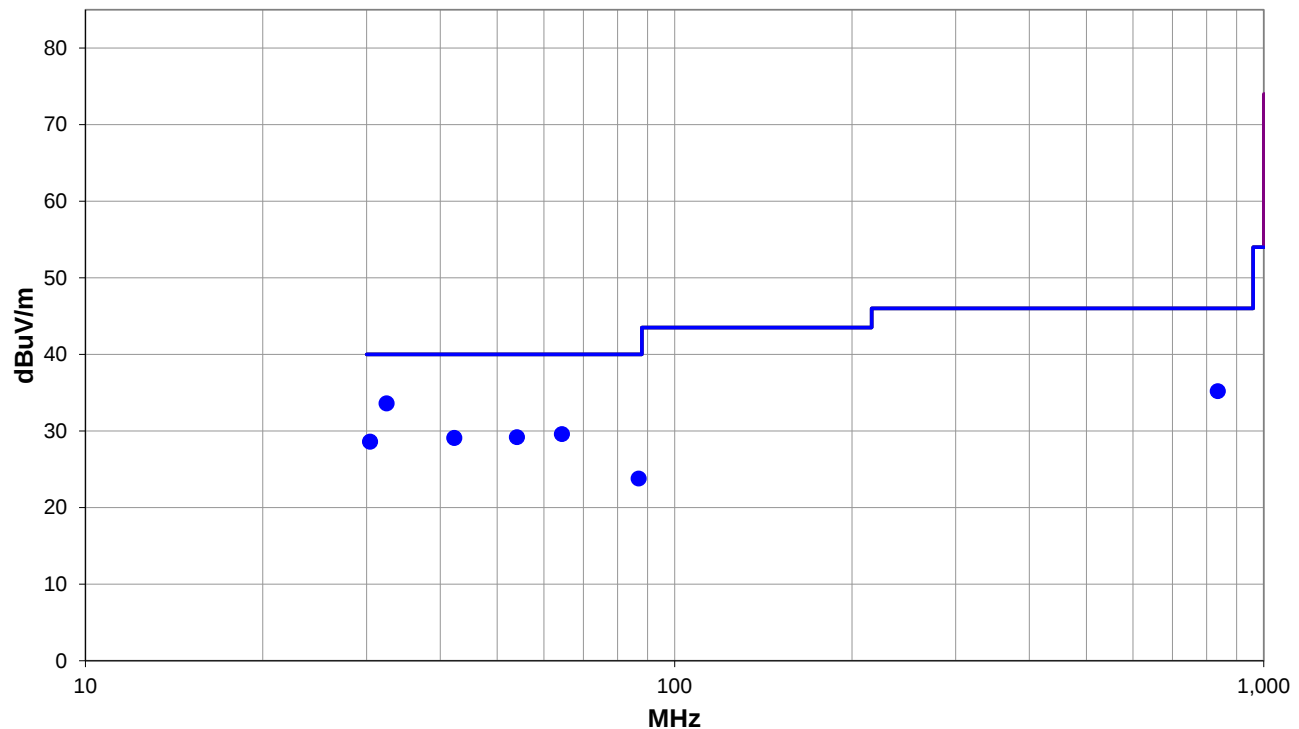
Downlink: Inductively couple 175 kHz FSK, Uplink: Inductively coupled 175 kHz DBPSK

EUT OPERATING MODES

Transmitting Inductive Telemetry A OOK and Telemetry B FSK

DEVIATIONS FROM TEST STANDARD

None



Run #: 5

PK AV QP

SPURIOUS RADIATED EMISSIONS (GREATER THAN 30 MHZ)

RESULTS - Run #5

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)
32.448	33.4	0.2	1.0	346.0	3.0	0.0	Vert	QP	0.0	33.6	40.0	-6.4
64.357	38.6	-9.0	3.94	332.0	3.0	0.0	Horz	QP	0.0	29.6	40.0	-10.4
835.753	23.5	11.7	2.8	308.0	3.0	0.0	Vert	QP	0.0	35.2	46.0	-10.8
53.990	37.2	-8.0	1.0	246.0	3.0	0.0	Vert	QP	0.0	29.2	40.0	-10.8
42.278	33.9	-4.8	1.0	323.0	3.0	0.0	Vert	QP	0.0	29.1	40.0	-10.9
30.411	27.2	1.4	1.5	53.0	3.0	0.0	Horz	QP	0.0	28.6	40.0	-11.4
86.868	32.8	-9.0	1.03	268.0	3.0	0.0	Vert	QP	0.0	23.8	40.0	-16.2

CONCLUSION

Pass

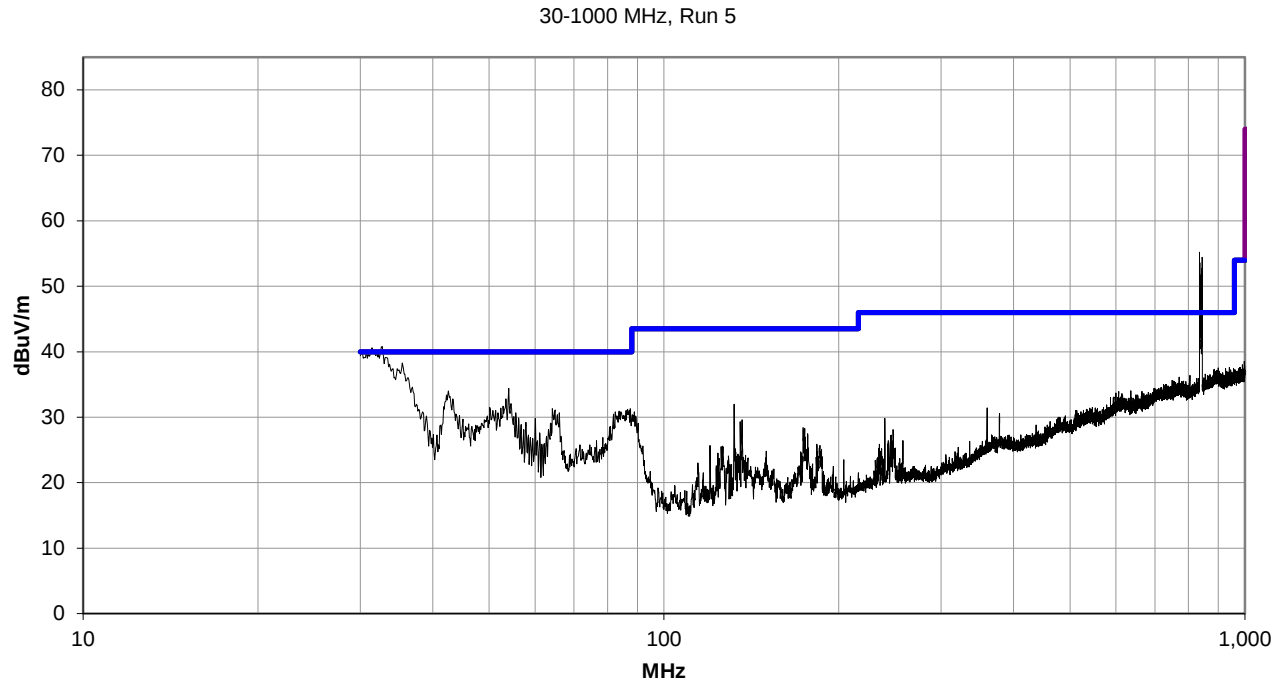


Tested By

SPURIOUS RADIATED EMISSIONS (GREATER THAN 30 MHz)

PRESCAN DATA

Radiated spurious emissions from the EUT are initially reviewed with Pre-scans (Preview scans). Pre-scans are performed, with the EUT transmitting on the lowest applicable data rate, for both vertical and horizontal polarizations. The Pre-scan plots below are shown with a peak detector and RBW for the following frequency ranges: 9 kHz RBW (< 30 MHz); 120 kHz RBW (30 - 1000 MHz); 1 MHz RBW (> 1 GHz). In the case where unintentional emissions are observed, an ambient or idle pre-scan with the radio off, will be shown for comparison.



OCCUPIED BANDWIDTH (99%)

TEST DESCRIPTION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

A near-field probe was placed near the transmitter. A low-loss coaxial cable was used to connect the near-field probe to the spectrum analyzer. The reference level offset of the analyzer was adjusted to match the full bandwidth ERP measurement made of the output power with the radiated test method.

The occupied bandwidth was measured with the EUT set to its single transmit frequency and was transmitting with normal modulation at its normal operating power.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Probe - Near Field Set	ETS Lindgren	7405	IPO	NCR	NCR
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03

OCCUPIED BANDWIDTH (99%)



EUT:	MyCareLink Home Communicator Model 26950	Work Order:	MDTR1166
Serial Number:	BTB111014i	Date:	2025-11-10
Customer:	Medtronic, Inc.	Temperature:	24°C
Attendees:	Jed Meyer	Relative Humidity:	22.9%
Customer Project:	None	Bar. Pressure (PMSL):	1025 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1166-1

COMMENTS

No reference level offset was applied as this is a frequency measurement only.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

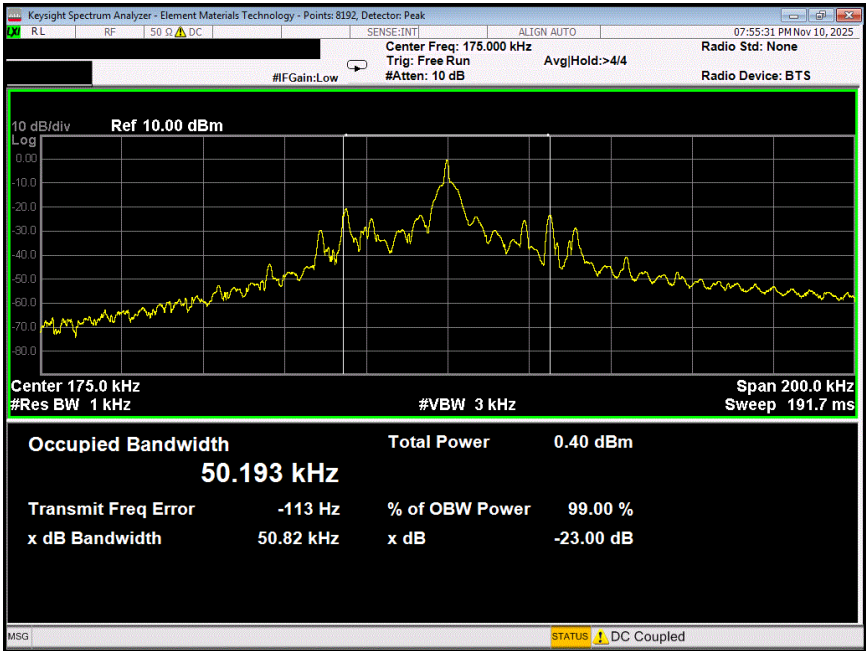
N/A

Tested By

TEST RESULTS

		Value	Limit (MHz)	Result
175 kHz Tel A and Tel B				
	Normal Temperature	50.193	N/A	N/A

OCCUPIED BANDWIDTH (99%)



175 kHz Tel A and Tel B
Normal Temperature

End of Test Report