



Medtronic, Inc.

MyCareLink Home Communicator Model 26900

FCC 15.247:2026

RSS-247 Issue 4:2025

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

Bluetooth Radio

Report: MDTR1174.16 Rev. 03, Issue Date: March 24, 2026



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CERTIFICATE OF TEST

Last Date of Test: November 13, 2025
Medtronic, Inc.
EUT: MyCareLink Home Communicator Model 26900

Radio Equipment Testing

Standards

Specification	Method
FCC 15.247:2026	ANSI C63.10:2020 Cor.1:2023
RSS-247 Issue 4:2025	ANSI C63.10:2020 Cor.1:2023+C63.10a:2024+Errata to
RSS-Gen Issue 5:2018+A1:2019+A2:2021	C63.10a:2024

Guidance

FCC KDB 558074 v05r02:2019
Notice 2021 - CEB0001

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	See Data Reference Table Below
Duty Cycle	N/A	KDB 558074 -6.0	RSS-Gen 3.2	11.6	Not included since data from MDTR1166.6 will be leveraged
DTS Bandwidth (6 dB)	N/A	15.247(a)(2), KDB 558074 -8.2	RSS-247 6.3.1(a)	11.8.2	Not included since data from MDTR1166.6 will be leveraged
Occupied Bandwidth (99%)	N/A	KDB 558074 -2.1	RSS-Gen 6.7	6.9.3	Not included since data from MDTR1166.6 will be leveraged
Output Power	Pass	15.247(b)(3), KDB 558074 -8.3.1	RSS-247 6.3.2, RSS-Gen 6.12	11.9.1.1	See Data Reference Table Below
Equivalent Isotropic Radiated Power	Pass	15.247(b)(3), KDB 558074 -8.3.1	RSS-247 6.3.2, RSS-Gen 6.12	11.9.1.1	
Power Spectral Density	N/A	15.247(e), KDB 558074 -8.4	RSS-247 6.3.1(b)	11.10.2	Not included since data from MDTR1166.6 will be leveraged
Band Edge Compliance	N/A	15.247(d), KDB 558074 -8.5	RSS-247 6.6	11.11	Not included since data from MDTR1166.6 will be leveraged
Spurious Conducted Emissions	N/A	15.247(d), KDB 558074 -8.5	RSS-247 6.6	11.11	Not included since data from MDTR1166.6 will be leveraged
Spurious Radiated Emissions	Pass	15.247(d), KDB 558074 - 8.6, 8.7	RSS-247 6.6, RSS-Gen 6.13, 8.10	11.12.1, 11.13.2, 6.5, 6.6	See Data Reference Table Below
Radiated Spurious Emissions Restricted Band Edge	Pass	15.247(d), KDB 558074 - 8.6, 8.7	RSS-247 6.6, RSS-Gen 6.13, 8.10	11.12.1, 11.13.2, 6.5, 6.6	See Data Reference Table Below

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.

CERTIFICATE OF TEST

Test	Reference Worst-Case (RdB)	Variant Test (VdB)	Difference (ddB)	Spot Check Parameters		Pass Criterion
Radiated Spurious Emissions / Restricted Band Edge	47.1 dBuV/m	44.7 dBuV/m	2.4 dB	CdB=	54 dBuV/m	Pass
				MdB=	6.9 dB	
				ddBmax=	3.35 dB	
Powerline Conducted Emissions	56.9 dBuV	59.5 dBuV	2.6 dB	CdB=	65.9 dBuV	Pass
				MdB=	9 dB	
				ddBmax=	3.45 dB	
Output Power	4.668 dBm	4.398 dBm	0.3 dB	CdB=	30 dBm	Pass
				MdB=	25.33 dB	
				ddBmax=	4.27 dB	

Deviations From Test Standards

For Powerline Conducted Emissions only: The Bluetooth Low Energy was communicating with a Cobalt XT VR (IPG) on a continuous basis instead of transmitting continuously on a single channel via software

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
01	Corrected antenna gain value	2026-01-21	12, 23
02	Change Method to Include Errata Version	2026-03-17	3
	Field Strength Measurement Value Changed to 9 kHz	2026-03-17	7
	Add Deviation to Conducted Emissions Data Sheets	2026-03-18	4, 18, 20
03	Added DCCF to radiated spurious emissions (radiated band edge already accounted for this)	2026-03-24	4, 27-30
	Updated FCC year to current. The testing remains valid to the current requirements		1, 3
	Added software information to configs		13

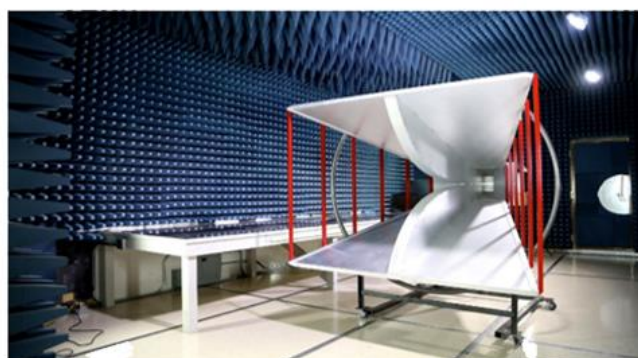
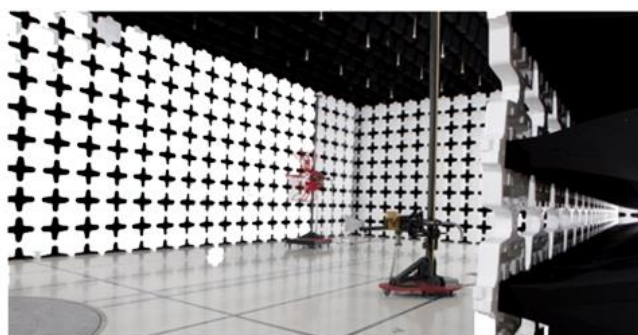
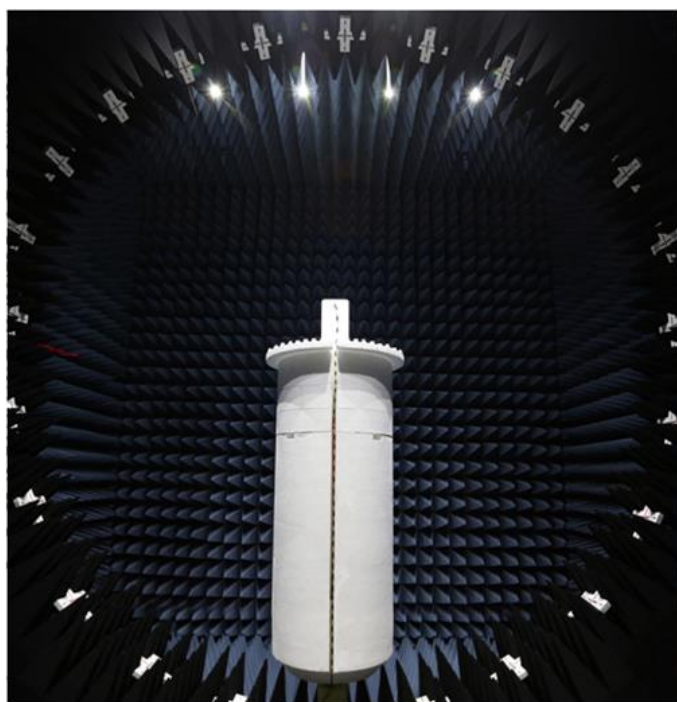
FACILITIES

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	OC10 (+/-)
9kHz-30MHz	1.8
30MHz-1GHz 3m	4.6
1GHz-6GHz	5
6GHz-40GHz	5.1

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

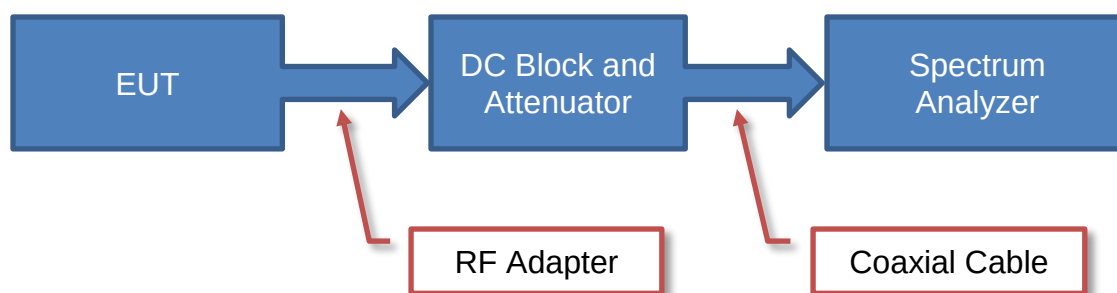
TEST SETUP BLOCK DIAGRAMS

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.

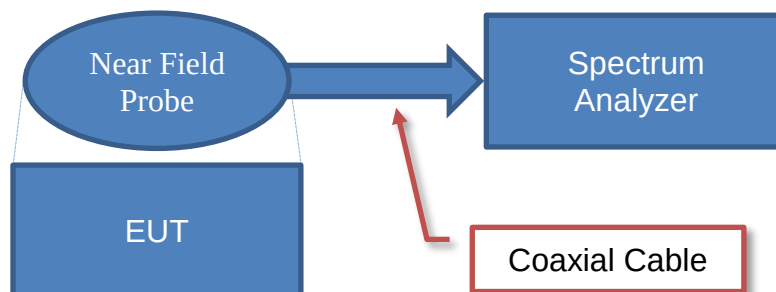
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)

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

Near Field Test Fixture Measurements

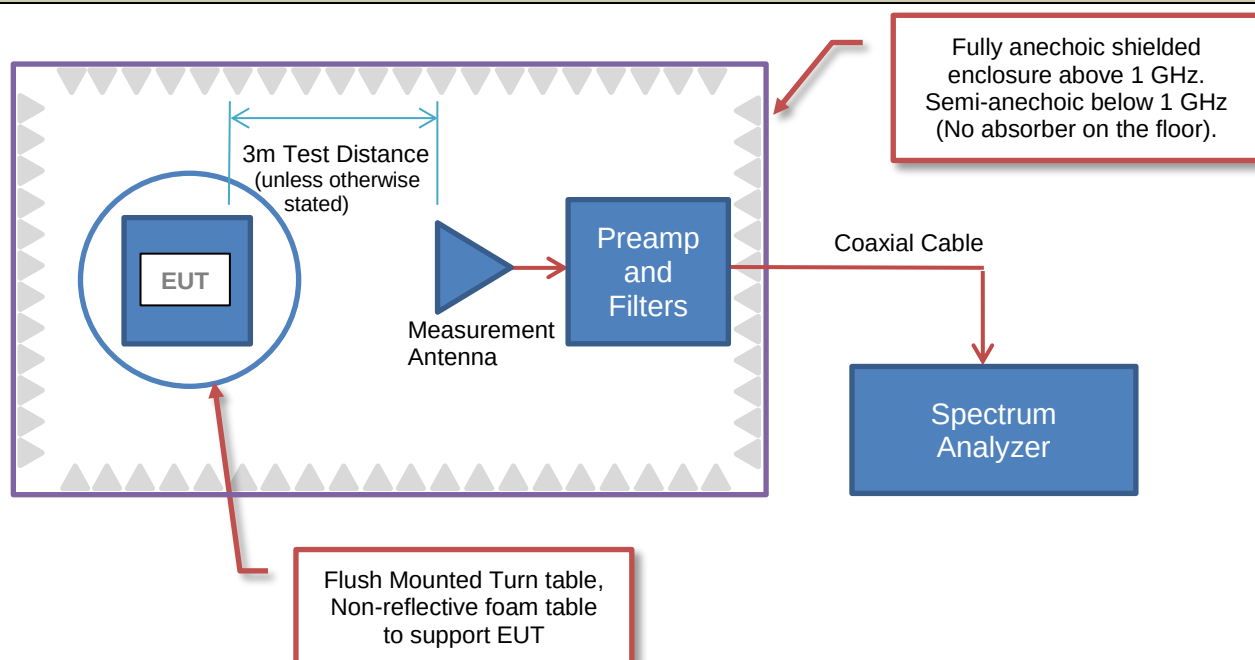


Sample Calculation (logarithmic units)

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

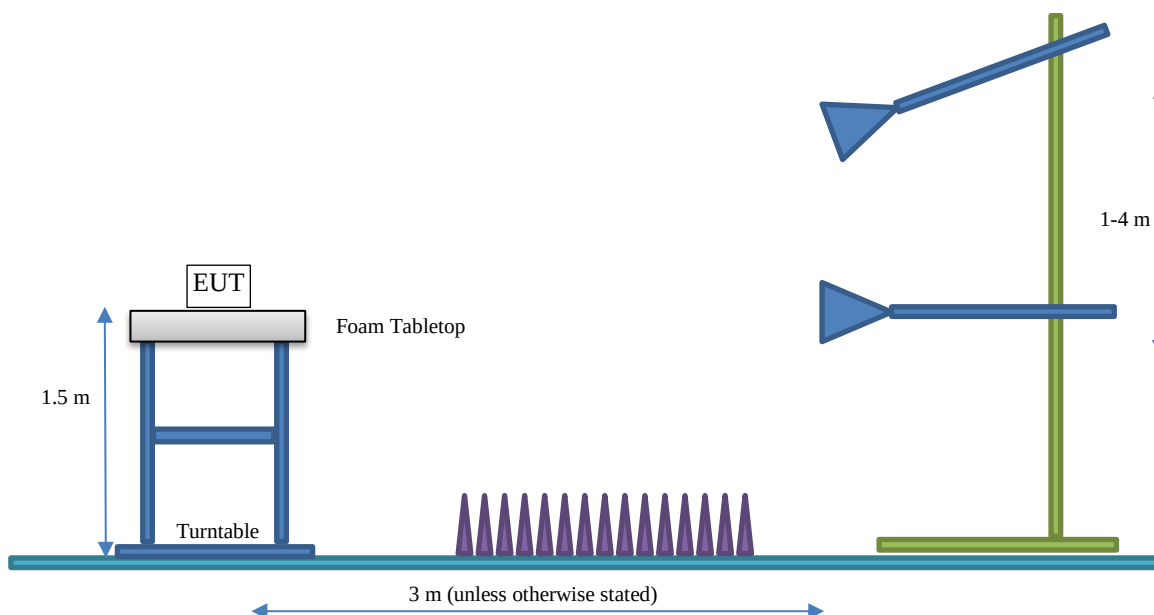
Radiated Power (ERP/EIRP) – Substitution Method:

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 26900
First Date of Test:	July 22, 2025
Last Date of Test:	November 13, 2025
Receipt Date of Samples:	July 22, 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 26900 monitor wirelessly transfers information between an implanted medical device and the Medtronic CareLink network. The wireless communication between the MyCareLink Home Communicator Model 26900 and an implanted medical device is accomplished by means of either a Bluetooth low energy (BLE) radio. The link between the MyCareLink Home Communicator Model 26900 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 Bluetooth radio to FCC 15.247/RSS-247 requirements.

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:	Frequency Range (MHz)	Gain (dBi)
PCB Trace, Custom Dipole	Medtronic	2400-2483.5	3.9

The EUT was tested using the power settings provided by the manufacturer which were based upon:

- ☐ Test software settings
- ☒ Rated power settings

SETTINGS FOR ALL TESTS IN THIS REPORT

Modulation Types / Data Rates	Type	Channel	Frequency (MHz)	Power Setting (dBm)
BLE GFSK 125 kbps, 500 kbps, 1 Mbps, 2 Mbps	DTS	0 or 37	2402	6
		20 or 18	2442	6
		39	2480	6

CONFIGURATIONS



Configuration MDTR1174-5

Software/Firmware Running During Test	
Description	Version
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)
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26900	Medtronic, Inc	MyCareLink Home Communicator Model 26900	BTB111035i

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

Remote Equipment Outside of Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
Cobalt XT VR MRI SureScan	Medtronic, Inc	DVPA2D1	RSC603809S

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	2.1 m	Yes	MyCareLink Home Communicator Model 26900	AC/DC Adapter

CONFIGURATIONS



Configuration MDTR1174-13

Software/Firmware Running During Test	
Description	Version
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)
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26900	Medtronic, Inc	MyCareLink Home Communicator Model 26900	BTB211038i

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 26900	AC/DC Adapter
USB Extension Cable	No	50 cm	No	MyCareLink Home Communicator Model 26900	Unterminated

CONFIGURATIONS



Configuration MDTR1174-17

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)
RelayPlusHwRadioTestTool	v1.1

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
MyCareLink Home Communicator Model 26900	Medtronic, Inc	MyCareLink Home Communicator Model 26900	ABB110159i

Peripherals in Test Setup Boundary			
Description	Manufacturer	Model/Part Number	Serial Number
AC/DC Adapter	Asian Power Devices Inc	WA-24BI2FU	N/A
Laptop	Dell	Latitude 5400	C0XC9Y2

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
DC Cable	No	2.1 m	Yes	MyCareLink Home Communicator Model 26900	AC/DC Adapter
DC Power Cable (Laptop)	No	1.6 m	No	Laptop	AC/DC Adapter (Laptop)
AC Cable Laptop	No	0.9 m	No	AC/DC Adapter (Laptop)	AC Mains

MODIFICATIONS

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2025-07-22	Powerline Conducted Emissions	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	2025-08-05	Spurious Radiated Emissions	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	2025-08-07	Radiated Spurious Emissions Restricted Band Edge	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	2025-11-13	Output Power and Equivalent Isotropic Radiated Power (EIRP)	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	2025-11-13	Output Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

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
Cable - Conducted Cable Assembly	Northwest EMC	MNC, HGN, TYK, VAE	MNCA	2025-02-14	2026-02-14
LISN	Solar Electronics	9252-50-R-24-BNC	LIY	2025-03-30	2026-03-30

CONFIGURATIONS INVESTIGATED

MDTR1174-5

MODES INVESTIGATED

LTE B2 communication to cellular base station simulator. Bluetooth Low Energy communication to Cobalt XT VR (IPG)

POWERLINE CONDUCTED EMISSIONS

EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1174
Serial Number:	BTB111035i	Date:	2025-07-22
Customer:	Medtronic, Inc.	Temperature:	22.8°C
Attendees:	Jed Meyer	Relative Humidity:	55.8%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mb
Tested By:	Nolan De Ramos	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	MDTR1174-5

TEST PARAMETERS

Run #:	49	Line:	Neutral	Add. Ext. Attenuation (dB):	0
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COMMENTS

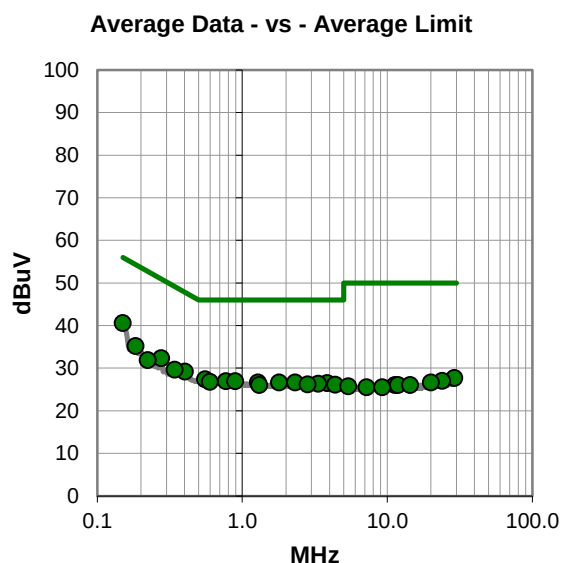
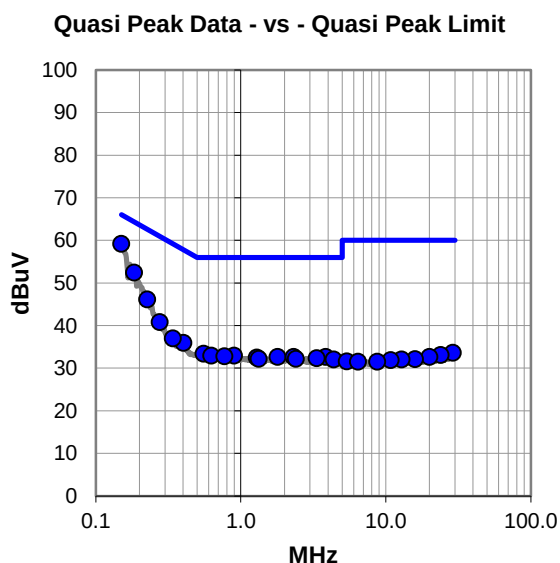
Client configuration 6 (North America modem)

EUT OPERATING MODES

LTE B2 communication to cellular base station simulator. Bluetooth Low Energy communication to Cobalt XT VR (IPG)

DEVIATIONS FROM TEST STANDARD

The Bluetooth Low Energy was communicating with a Cobalt XT VR (IPG) on a continuous basis instead of transmitting continuously on a single channel via software



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #49

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	38.1	21.1	59.2	66.0	-6.8
0.184	31.4	21.0	52.4	64.3	-11.9
0.226	25.3	20.8	46.1	62.6	-16.5
0.277	20.2	20.6	40.8	60.9	-20.1
0.402	15.3	20.6	35.9	57.8	-21.9
0.339	16.4	20.6	37.0	59.2	-22.2
0.553	12.7	20.7	33.4	56.0	-22.6
0.626	12.1	20.8	32.9	56.0	-23.1
0.898	12.2	20.7	32.9	56.0	-23.1
0.773	12.1	20.7	32.8	56.0	-23.2
1.798	11.9	20.7	32.6	56.0	-23.4
2.314	11.9	20.7	32.6	56.0	-23.4
3.856	11.7	20.9	32.6	56.0	-23.4
1.287	11.8	20.7	32.5	56.0	-23.5
3.342	11.4	20.9	32.3	56.0	-23.7
1.326	11.5	20.7	32.2	56.0	-23.8
2.396	11.5	20.7	32.2	56.0	-23.8
4.370	11.1	20.9	32.0	56.0	-24.0
29.053	10.8	22.8	33.6	60.0	-26.4
23.914	10.8	22.3	33.1	60.0	-26.9
20.054	10.7	21.9	32.6	60.0	-27.4
15.944	10.5	21.6	32.1	60.0	-27.9
12.852	10.6	21.4	32.0	60.0	-28.0
10.800	10.7	21.2	31.9	60.0	-28.1
5.397	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	19.5	21.1	40.6	56.0	-15.4
0.402	8.6	20.6	29.2	47.8	-18.6
0.277	11.7	20.6	32.3	50.9	-18.6
0.554	6.7	20.7	27.4	46.0	-18.6
0.184	14.2	21.0	35.2	54.3	-19.1
0.771	6.2	20.7	26.9	46.0	-19.1
0.896	6.2	20.7	26.9	46.0	-19.1
0.597	6.1	20.7	26.8	46.0	-19.2
1.285	5.9	20.7	26.6	46.0	-19.4
1.796	5.9	20.7	26.6	46.0	-19.4
2.314	5.9	20.7	26.6	46.0	-19.4
0.342	9.0	20.6	29.6	49.1	-19.5
3.858	5.6	20.9	26.5	46.0	-19.5
3.342	5.4	20.9	26.3	46.0	-19.7
2.828	5.5	20.7	26.2	46.0	-19.8
4.370	5.2	20.9	26.1	46.0	-19.9
1.311	5.3	20.7	26.0	46.0	-20.0
0.223	11.1	20.8	31.9	52.7	-20.8
29.055	4.9	22.8	27.7	50.0	-22.3
23.914	4.7	22.3	27.0	50.0	-23.0
20.053	4.7	21.9	26.6	50.0	-23.4
11.316	4.7	21.3	26.0	50.0	-24.0
11.829	4.6	21.4	26.0	50.0	-24.0
14.401	4.5	21.5	26.0	50.0	-24.0
5.399	4.8	20.9	25.7	50.0	-24.3

CONCLUSION

Pass



Tested By

POWERLINE CONDUCTED EMISSIONS

EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1174
Serial Number:	BTB111035i	Date:	2025-07-22
Customer:	Medtronic, Inc.	Temperature:	22.8°C
Attendees:	Jed Meyer	Relative Humidity:	55.8%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mb
Tested By:	Nolan De Ramos	Job Site:	MN03
Power:	110VAC/60Hz	Configuration:	MDTR1174-5

TEST PARAMETERS

Run #:	50	Line:	High Line	Add. Ext. Attenuation (dB):	0
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COMMENTS

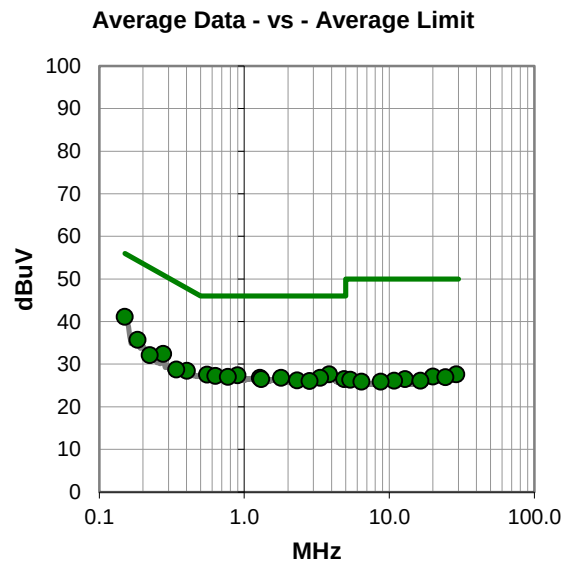
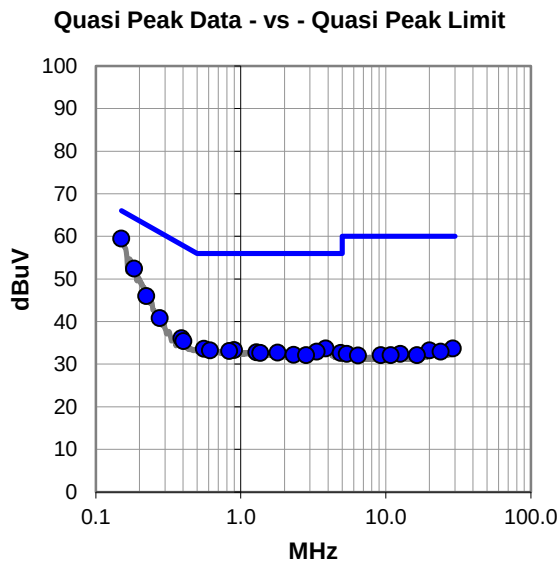
Client configuration 6 (North America modem)

EUT OPERATING MODES

LTE B2 communication to cellular base station simulator. Bluetooth Low Energy communication to Cobalt XT VR (IPG)

DEVIATIONS FROM TEST STANDARD

The Bluetooth Low Energy was communicating with a Cobalt XT VR (IPG) on a continuous basis instead of transmitting continuously on a single channel via software



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #50

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	38.4	21.1	59.5	66.0	-6.5
0.184	31.4	21.0	52.4	64.3	-11.9
0.223	25.2	20.8	46.0	62.7	-16.7
0.277	20.2	20.6	40.8	60.9	-20.1
0.390	15.5	20.6	36.1	58.1	-22.0
3.859	12.8	20.9	33.7	56.0	-22.3
0.402	14.8	20.6	35.4	57.8	-22.4
0.556	12.9	20.7	33.6	56.0	-22.4
0.898	12.6	20.7	33.3	56.0	-22.7
0.612	12.5	20.7	33.2	56.0	-22.8
0.832	12.4	20.7	33.1	56.0	-22.9
3.342	12.0	20.9	32.9	56.0	-23.1
1.284	12.1	20.7	32.8	56.0	-23.2
1.798	12.0	20.7	32.7	56.0	-23.3
1.361	11.9	20.7	32.6	56.0	-23.4
4.886	11.7	20.9	32.6	56.0	-23.4
2.314	11.5	20.7	32.2	56.0	-23.8
2.829	11.4	20.7	32.1	56.0	-23.9
29.058	10.9	22.8	33.7	60.0	-26.3
20.065	11.3	21.9	33.2	60.0	-26.8
23.916	10.6	22.3	32.9	60.0	-27.1
5.399	11.5	20.9	32.4	60.0	-27.6
12.610	11.0	21.4	32.4	60.0	-27.6
9.258	11.0	21.1	32.1	60.0	-27.9
10.799	10.9	21.2	32.1	60.0	-27.9

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	20.0	21.1	41.1	56.0	-14.9
3.856	6.7	20.9	27.6	46.0	-18.4
0.277	11.8	20.6	32.4	50.9	-18.5
0.554	6.8	20.7	27.5	46.0	-18.5
0.184	14.7	21.0	35.7	54.3	-18.6
0.898	6.7	20.7	27.4	46.0	-18.6
0.634	6.4	20.8	27.2	46.0	-18.8
0.771	6.3	20.7	27.0	46.0	-19.0
1.284	6.1	20.7	26.8	46.0	-19.2
1.798	6.1	20.7	26.8	46.0	-19.2
3.342	5.9	20.9	26.8	46.0	-19.2
0.402	7.8	20.6	28.4	47.8	-19.4
1.311	5.8	20.7	26.5	46.0	-19.5
4.886	5.6	20.9	26.5	46.0	-19.5
2.314	5.5	20.7	26.2	46.0	-19.8
2.826	5.3	20.7	26.0	46.0	-20.0
0.339	8.1	20.6	28.7	49.2	-20.5
0.223	11.3	20.8	32.1	52.7	-20.6
29.059	4.8	22.8	27.6	50.0	-22.4
20.051	5.2	21.9	27.1	50.0	-22.9
24.427	4.6	22.3	26.9	50.0	-23.1
12.854	5.1	21.4	26.5	50.0	-23.5
5.397	5.4	20.9	26.3	50.0	-23.7
10.799	4.9	21.2	26.1	50.0	-23.9
16.453	4.4	21.7	26.1	50.0	-23.9

CONCLUSION

Pass



Tested By

OUTPUT POWER and EIRP– Spot Checks

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.

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer.

The transmit frequency was set to the required channels in each band. The transmit power was set to its default maximum.

Prior to measuring peak transmit power the DTS bandwidth (B) was measured.

The method found in ANSI C63.10:2020 Section 11.9.1.1 was used because the RBW on the analyzer was greater than the DTS Bandwidth of the radio.

Analyzer settings:

Detector: Peak
Sweep time: Auto
Resolution Bandwidth: $\geq$ DTS bandwidth
Video Bandwidth: $\geq 3 * \text{RBW}$
Trace: Max Hold

The EIRP (Equivalent Isotropic Radiated Power) is a calculated value using the formula:
(Conducted Power, dBm) + (Antenna Gain, dBi) = EIRP (dBm)

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFM	2025-06-09	2026-06-09
Generator - Signal	Keysight	N5182B	TEV	2024-05-06	2027-05-06
Cable	Micro-Coax	UFD150A-1-0720-200200	MNL	2025-09-03	2026-09-03
Block - DC	Fairview Microwave	SD3379	ANK	2025-06-03	2026-06-03
Attenuator	S.M. Electronics	SA26B-20	RFW	2025-02-03	2026-02-03

OUTPUT POWER and EIRP– Spot Checks

EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1174
Serial Number:	ABB110159i	Date:	2025-11-13
Customer:	Medtronic, Inc.	Temperature:	23.7°C
Attendees:	Jed Meyer	Relative Humidity:	27%
Customer Project:	None	Bar. Pressure (PMSL):	1014 mbar
Tested By:	Christopher Heintzelman	Job Site:	MN11
Power:	110VAC/60Hz	Configuration:	MDTR1174-17

COMMENTS

Reference level offset includes measurement cable, DC Block, 20db attenuator, and customer's patch cable.
This spot check covers only the worst case channel and modulation as measured in MDTR1166.6.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass



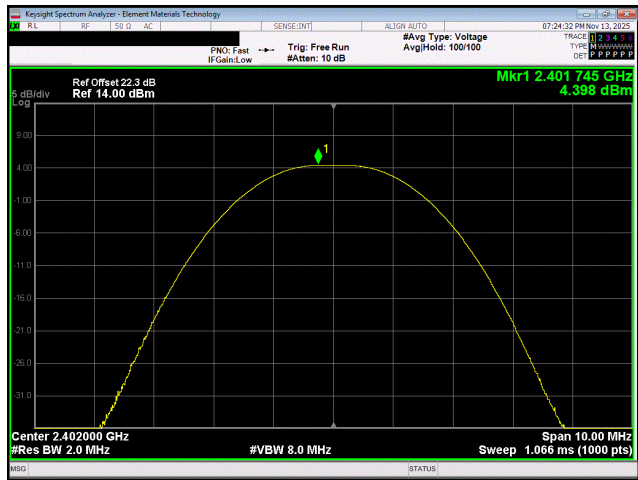
Tested By

TEST RESULTS

	Out Pwr (dBm)	Limit (dBm)	Result
MDTR1174: No Enclosure, No Head			
BLE/GFSK 500 kbps			
Low Channel, 2402 MHz	4.398	30	Pass

	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Result
MDTR1174: No Enclosure, No Head					
BLE/GFSK 500 kbps					
Low Channel, 2402 MHz	4.398	3.9	8.3	36	Pass

OUTPUT POWER and EIRP– Spot Checks



No Enclosure, No Head
BLE/GFSK 500 kbps
Low Channel, 2402 MHz

SPURIOUS RADIATED EMISSIONS

TEST DESCRIPTION

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

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 if required, 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.

Measurements within 2 MHz of the allowable band may have been taken using the integration method from ANSI C63.10 clause 11.13.3. This procedure uses the channel power feature of the spectrum analyzer to integrate the power of the emission within a 1 MHz bandwidth.

Where the radio test software does not provide for a duty cycle at continuous transmit conditions (> 98%) and the RMS (power average) measurements were made across the on and off times of the EUT transmissions, a duty cycle correction is added to the measurements using the formula of $10 \cdot \log(1/dc)$.

SPURIOUS RADIATED EMISSIONS

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	ETS Lindgren	3115	AIR	2024-07-23	2026-07-23
Cable	Northwest EMC	1-8GHz RE Cables	OCJ	2025-04-30	2026-04-30
Amplifier - Pre-Amplifier	Cernex	CBL01084020-xx	PAX	2025-04-30	2026-04-30
Attenuator	Fairview Microwave	SA18H-20	TKQ	2025-05-01	2026-05-01
Filter - High Pass	Micro-Tronics	HPM50111	HHX	2025-04-30	2026-04-30
Antenna - Standard Gain	ETS Lindgren	3160-07	AHR	2024-12-03	2025-12-03
Cable	Northwest EMC	8-18GHz RE Cables	OCO	2025-03-18	2026-03-18
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AOE	2025-03-18	2026-03-18
Antenna - Standard Gain	ETS Lindgren	3160-08	AHT	2024-12-03	2025-12-03
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AOF	2025-03-18	2026-03-18
Antenna - Standard Gain	ETS Lindgren	3160-09	AHN	2024-12-03	2025-12-03
Cable	Northwest EMC	18-26GHz RE Cables	OCK	2024-12-10	2025-12-10
Amplifier - Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AOI	2024-12-10	2025-12-10
Antenna - Biconilog	Teseq	CBL 6141A	AYE	2023-08-08	2025-08-08
Cable	Northwest EMC	10kHz-1GHz RE Cables	OCH	2025-05-01	2026-05-01
Amplifier - Pre-Amplifier	Miteq	AM-1402	AOZ	2025-05-01	2026-05-01
Filter - Low Pass	Micro-Tronics	LPM50004	LFT	2024-12-17	2025-12-17
Antenna - Loop	EMCO	6502	AZB	2023-09-06	2025-09-06
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFJ	2025-03-03	2026-03-03

FREQUENCY RANGE INVESTIGATED

9 kHz TO 26.5 GHz

POWER INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

MDTR1174-13

MODES INVESTIGATED

Transmitting Bluetooth Low Energy. 2402 MHz, 2440 MHz, 2480 MHz. data rate: 1 Mbps, 2 Mbps, 500 kbps, 125 kbps

SPURIOUS RADIATED EMISSIONS

EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1174
Serial Number:	BTB211038i	Date:	2025-08-06
Customer:	Medtronic, Inc.	Temperature:	23.7°C
Attendees:	Jed Meyer	Relative Humidity:	51.7%
Customer Project:	None	Bar. Pressure (PMSL):	1016 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	120VAC/60Hz	Configuration:	MDTR1174-13

TEST PARAMETERS

Run #:	44	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

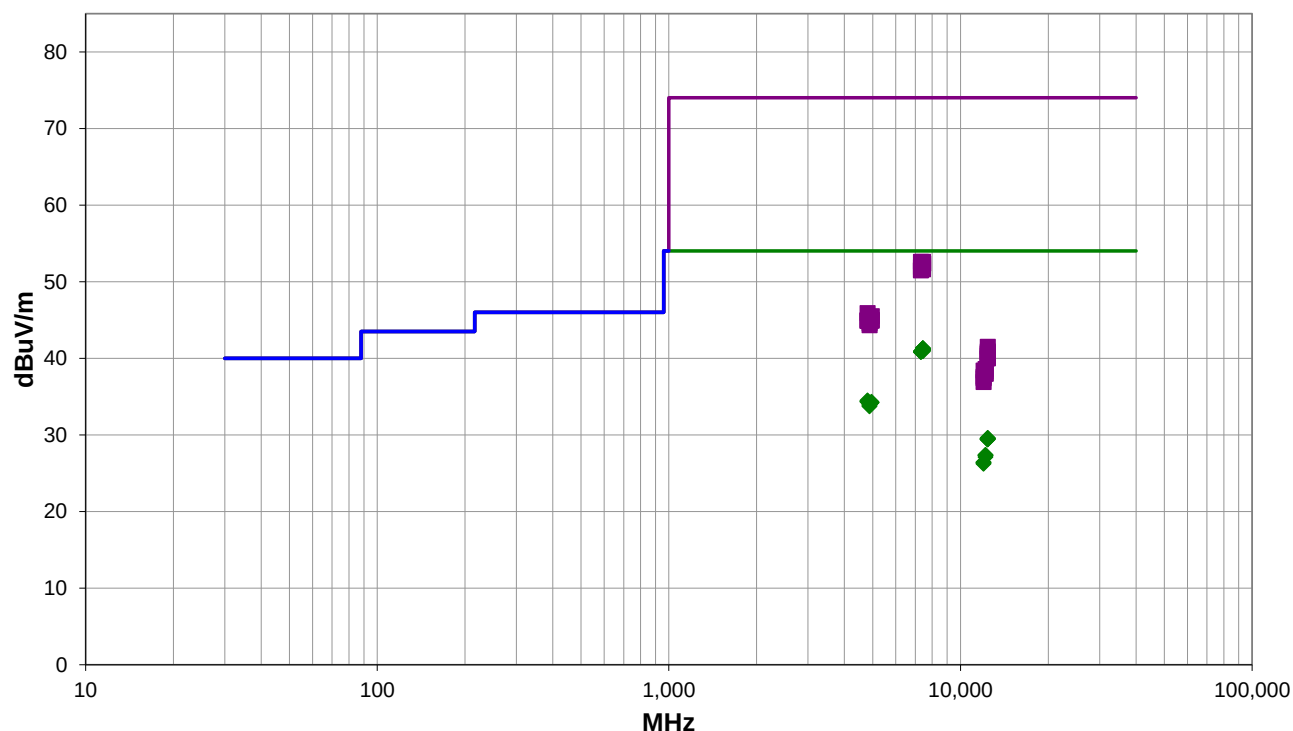
None

EUT OPERATING MODES

Transmitting Bluetooth Low Energy. 2402 MHz, 2440 MHz, 2480 MHz. data rate: 1 Mbps, 2 Mbps, 500 kbps, 125 kbps

DEVIATIONS FROM TEST STANDARD

None



Run #: 44

PK AV QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #44

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Cor. Factor (dB)	External Attenuation (dB)	Polarity/Transducer	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7437.575	34.3	6.7	1.5	301	3.7	0	Horiz	AV	0	44.7	54	-9.3	Tx 2480 MHz, 2 Mbps, EUT Horiz
7437.558	34.3	6.7	1.5	78	3.7	0	Vert	AV	0	44.7	54	-9.3	Tx 2480 MHz, 2 Mbps, EUT Horiz
7317.983	34.5	6.4	1.5	353	3.7	0	Vert	AV	0	44.6	54	-9.4	Tx 2440 MHz, 2 Mbps, EUT Horiz
7317.608	34.4	6.4	1.5	90	3.7	0	Horiz	AV	0	44.5	54	-9.5	Tx 2440 MHz, 2 Mbps, EUT Horiz
7438.233	34.6	6.7	1.8	274	0.7	0	Horiz	AV	0	42	54	-12	Tx 2480 MHz, 1 Mbps, EUT Horiz
7437.725	34.6	6.7	1.5	100	0.7	0	Vert	AV	0	42	54	-12	Tx 2480 MHz, 1 Mbps, EUT Horiz
7437.967	34.6	6.7	1.7	286	0.7	0	Vert	AV	0	42	54	-12	Tx 2480 MHz, 1 Mbps, EUT on Side
7437.858	34.5	6.7	1.5	227	0.7	0	Horiz	AV	0	41.9	54	-12.1	Tx 2480 MHz, 1 Mbps, EUT on Side
7437.683	34.5	6.7	1.5	253	0.7	0	Horiz	AV	0	41.9	54	-12.1	Tx 2480 MHz, 1 Mbps, EUT Vert
7438.417	34.2	6.7	1.5	239	0.7	0	Vert	AV	0	41.6	54	-12.4	Tx 2480 MHz, 1 Mbps, EUT Vert
7318.142	34.5	6.4	2.6	8	0.7	0	Vert	AV	0	41.6	54	-12.4	Tx 2440 MHz, 1 Mbps, EUT Horiz
7437.525	34.5	6.7	1.5	318	0.4	0	Horiz	AV	0	41.6	54	-12.4	Tx 2480 MHz, 500 Kbps, EUT Horiz
7318.3	34.4	6.4	1.5	169	0.7	0	Horiz	AV	0	41.5	54	-12.5	Tx 2440 MHz, 1 Mbps, EUT Horiz
7437.617	34.4	6.7	2.8	321	0.4	0	Horiz	AV	0	41.5	54	-12.5	Tx 2480 MHz, 125 Kbps, EUT Horiz
7438.375	34.4	6.7	2.1	141	0.4	0	Vert	AV	0	41.5	54	-12.5	Tx 2480 MHz, 125 Kbps, EUT Horiz
7438.067	34.4	6.7	1.5	206	0.4	0	Vert	AV	0	41.5	54	-12.5	Tx 2480 MHz, 500 Kbps, EUT Horiz
4806.467	38.5	-4	1.5	109	3.7	0	Horiz	AV	0	38.2	54	-15.8	Tx 2402 MHz, 2 Mbps, EUT Horiz
4806.425	38.3	-4	1.5	3	3.7	0	Vert	AV	0	38	54	-16	Tx 2402 MHz, 2 Mbps, EUT Horiz
4957.592	37.9	-3.6	3	241	3.7	0	Vert	AV	0	38	54	-16	Tx 2480 MHz, 2 Mbps, EUT Horiz
4958.142	37.8	-3.6	3	241	3.7	0	Horiz	AV	0	37.9	54	-16.1	Tx 2480 MHz, 2 Mbps, EUT Horiz
4881.042	37.7	-3.8	1.5	231	3.7	0	Vert	AV	0	37.6	54	-16.4	Tx 2440 MHz, 2 Mbps, EUT Horiz
4881.242	37.5	-3.8	2.7	89	3.7	0	Horiz	AV	0	37.4	54	-16.6	Tx 2440 MHz, 2 Mbps, EUT Horiz
4805.8	38.4	-4	1.5	185	0.7	0	Horiz	AV	0	35.1	54	-18.9	Tx 2402 MHz, 1 Mbps, EUT Horiz
4806.183	38.3	-4	3.6	357	0.7	0	Vert	AV	0	35	54	-19	Tx 2402 MHz, 1 Mbps, EUT Horiz
4957.508	37.8	-3.6	1.5	353	0.7	0	Horiz	AV	0	34.9	54	-19.1	Tx 2480 MHz, 1 Mbps, EUT Horiz
4958.058	37.8	-3.6	1.5	97	0.7	0	Vert	AV	0	34.9	54	-19.1	Tx 2480 MHz, 1 Mbps, EUT Horiz
4882.5	37.8	-3.8	1.5	238	0.7	0	Vert	AV	0	34.7	54	-19.3	Tx 2440 MHz, 1 Mbps, EUT Horiz
4882.442	37.6	-3.8	1.5	101	0.7	0	Horiz	AV	0	34.5	54	-19.5	Tx 2440 MHz, 1 Mbps, EUT Horiz
12397.85	31.1	-1.6	3	67	3.7	0	Horz	AV	0	33.2	54	-20.8	Tx 2480 MHz, 2 Mbps, EUT Horiz
12399.3	31.1	-1.6	1.5	32	3.7	0	Vert	AV	0	33.2	54	-20.8	Tx 2480 MHz, 2 Mbps, EUT Horiz
7438.5	45.9	6.7	1.5	227	0	0	Horiz	PK	0	52.6	74	-21.4	Tx 2480 MHz, 1 Mbps, EUT on Side
7318.392	46.2	6.4	2.6	8	0	0	Vert	PK	0	52.6	74	-21.4	Tx 2440 MHz, 1 Mbps, EUT Horiz
7441.017	45.8	6.7	1.5	100	0	0	Vert	PK	0	52.5	74	-21.5	Tx 2480 MHz, 1 Mbps, EUT Horiz
7442.35	45.6	6.8	1.5	253	0	0	Horiz	PK	0	52.4	74	-21.6	Tx 2480 MHz, 1 Mbps, EUT Vert
7438.275	45.7	6.7	1.5	239	0	0	Vert	PK	0	52.4	74	-21.6	Tx 2480 MHz, 1 Mbps, EUT Vert
7438.408	45.5	6.7	1.8	274	0	0	Horiz	PK	0	52.2	74	-21.8	Tx 2480 MHz, 1 Mbps, EUT Horiz
7439.808	45.5	6.7	2.8	321	0	0	Horiz	PK	0	52.2	74	-21.8	Tx 2480 MHz, 125 Kbps, EUT Horiz
7440.533	45.4	6.7	1.7	286	0	0	Vert	PK	0	52.1	74	-21.9	Tx 2480 MHz, 1 Mbps, EUT on Side
7440.433	45.3	6.7	1.5	301	0	0	Horiz	PK	0	52	74	-22	Tx 2480 MHz, 2 Mbps, EUT Horiz
7318.933	45.5	6.4	1.5	90	0	0	Horiz	PK	0	51.9	74	-22.1	Tx 2440 MHz, 2 Mbps, EUT Horiz

SPURIOUS RADIATED EMISSIONS

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Cor. Factor (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7440.767	45.2	6.7	2.1	141	0	0	Vert	PK	0	51.9	74	-22.1	Tx 2480 MHz, 125 Kbps, EUT Horiz
7441.35	45.2	6.7	1.5	206	0	0	Vert	PK	0	51.9	74	-22.1	Tx 2480 MHz, 500 Kbps, EUT Horiz
7438.542	45	6.7	1.5	78	0	0	Vert	PK	0	51.7	74	-22.3	Tx 2480 MHz, 2 Mbps, EUT Horiz
7437.908	44.9	6.7	1.5	318	0	0	Horiz	PK	0	51.6	74	-22.4	Tx 2480 MHz, 500 Kbps, EUT Horiz
7317.908	45.1	6.4	1.5	169	0	0	Horiz	PK	0	51.5	74	-22.5	Tx 2440 MHz, 1 Mbps, EUT Horiz
7318.142	45.1	6.4	1.5	353	0	0	Vert	PK	0	51.5	74	-22.5	Tx 2440 MHz, 2 Mbps, EUT Horiz
12198.05	30.7	-3.3	1.5	214	3.7	0	Vert	AV	0	31.1	54	-22.9	Tx 2440 MHz, 2 Mbps, EUT Horiz
12198.11	30.6	-3.3	3.6	134	3.7	0	Vert	AV	0	31	54	-23	Tx 2440 MHz, 2 Mbps, EUT Horiz
12398.34	31.1	-1.6	1	266	0.7	0	Horz	AV	0	30.2	54	-23.8	Tx 2480 MHz, 1 Mbps, EUT Horiz
12008.06	31.5	-5.1	2	75	3.7	0	Horz	AV	0	30.1	54	-23.9	Tx 2402 MHz, 2 Mbps, EUT Horiz
12396.05	31	-1.6	3.8	185	0.7	0	Vert	AV	0	30.1	54	-23.9	Tx 2480 MHz, 1 Mbps, EUT Horiz
12008.07	31.4	-5.1	1.5	222	3.7	0	Vert	AV	0	30	54	-24	Tx 2402 MHz, 2 Mbps, EUT Horiz
12397.21	31.2	-1.6	3.7	59	0.4	0	Horz	AV	0	30	54	-24	Tx 2480 MHz, 125 Kbps, EUT Horiz
12397.92	31.1	-1.6	1	308	0.4	0	Horz	AV	0	29.9	54	-24.1	Tx 2480 MHz, 500 Kbps, EUT Horiz
12396.75	31	-1.6	1.5	4	0.4	0	Vert	AV	0	29.8	54	-24.2	Tx 2480 MHz, 125 Kbps, EUT Horiz
12396.73	31	-1.6	1.5	30	0.4	0	Vert	AV	0	29.8	54	-24.2	Tx 2480 MHz, 500 Kbps, EUT Horiz
12198.32	30.6	-3.3	1.5	312	0.7	0	Horz	AV	0	28	54	-26	Tx 2440 MHz, 1 Mbps, EUT Horiz
12198.69	30.4	-3.3	1.5	264	0.7	0	Horz	AV	0	27.8	54	-26.2	Tx 2440 MHz, 1 Mbps, EUT Horiz
12008.28	31.5	-5.1	1.5	141	0.7	0	Horz	AV	0	27.1	54	-26.9	Tx 2402 MHz, 1 Mbps, EUT Horiz
12008.97	31.3	-5.1	1.5	152	0.7	0	Vert	AV	0	26.9	54	-27.1	Tx 2402 MHz, 1 Mbps, EUT Horiz
4802.375	50	-4.1	1.5	3	0	0	Vert	PK	0	45.9	74	-28.1	Tx 2402 MHz, 2 Mbps, EUT Horiz
4961.875	49.1	-3.6	3	241	0	0	Vert	PK	0	45.5	74	-28.5	Tx 2480 MHz, 2 Mbps, EUT Horiz
4881.083	48.9	-3.8	1.5	231	0	0	Vert	PK	0	45.1	74	-28.9	Tx 2440 MHz, 2 Mbps, EUT Horiz
4957.858	48.6	-3.6	1.5	353	0	0	Horiz	PK	0	45	74	-29	Tx 2480 MHz, 1 Mbps, EUT Horiz
4803.75	49	-4	1.5	185	0	0	Horiz	PK	0	45	74	-29	Tx 2402 MHz, 1 Mbps, EUT Horiz
4959.858	48.6	-3.6	1.5	230	0	0	Horiz	PK	0	45	74	-29	Tx 2480 MHz, 2 Mbps, EUT Horiz
4959.867	48.5	-3.6	1.5	97	0	0	Vert	PK	0	44.9	74	-29.1	Tx 2480 MHz, 1 Mbps, EUT Horiz
4804.708	48.9	-4	3.6	357	0	0	Vert	PK	0	44.9	74	-29.1	Tx 2402 MHz, 1 Mbps, EUT Horiz
4804.367	48.9	-4	1.5	109	0	0	Horiz	PK	0	44.9	74	-29.1	Tx 2402 MHz, 2 Mbps, EUT Horiz
4879.808	48.6	-3.8	1.5	101	0	0	Horiz	PK	0	44.8	74	-29.2	Tx 2440 MHz, 1 Mbps, EUT Horiz
4881.142	48.4	-3.8	2.7	89	0	0	Horiz	PK	0	44.6	74	-29.4	Tx 2440 MHz, 2 Mbps, EUT Horiz
4878.042	48.1	-3.8	1.5	238	0	0	Vert	PK	0	44.3	74	-29.7	Tx 2440 MHz, 1 Mbps, EUT Horiz
12397.83	43.1	-1.6	1.5	4	0	0	Vert	PK	0	41.5	74	-32.5	Tx 2480 MHz, 125 Kbps, EUT Horiz
12398.49	42.5	-1.6	3.7	59	0	0	Horz	PK	0	40.9	74	-33.1	Tx 2480 MHz, 125 Kbps, EUT Horiz
12399.11	42.3	-1.6	1	308	0	0	Horz	PK	0	40.7	74	-33.3	Tx 2480 MHz, 500 Kbps, EUT Horiz
12398.12	42.2	-1.6	1.5	32	0	0	Vert	PK	0	40.6	74	-33.4	Tx 2480 MHz, 2 Mbps, EUT Horiz
12396.59	42	-1.6	3	67	0	0	Horz	PK	0	40.4	74	-33.6	Tx 2480 MHz, 2 Mbps, EUT Horiz
12398.44	41.9	-1.6	1.5	30	0	0	Vert	PK	0	40.3	74	-33.7	Tx 2480 MHz, 500 Kbps, EUT Horiz
12398.37	41.6	-1.6	1	266	0	0	Horz	PK	0	40	74	-34	Tx 2480 MHz, 1 Mbps, EUT Horiz
12399.35	41.6	-1.6	3.8	185	0	0	Vert	PK	0	40	74	-34	Tx 2480 MHz, 1 Mbps, EUT Horiz
12199.4	41.9	-3.3	1.5	312	0	0	Horz	PK	0	38.6	74	-35.4	Tx 2440 MHz, 1 Mbps, EUT Horiz

SPURIOUS RADIATED EMISSIONS

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Cor. Factor (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
12011.91	43.5	-5.1	1.5	222	0	0	Vert	PK	0	38.4	74	-35.6	Tx 2402 MHz, 2 Mbps, EUT Horiz
12199.21	41.6	-3.3	1.5	214	0	0	Vert	PK	0	38.3	74	-35.7	Tx 2440 MHz, 2 Mbps, EUT Horiz
12200.41	41.3	-3.3	1.5	264	0	0	Horz	PK	0	38	74	-36	Tx 2440 MHz, 1 Mbps, EUT Horiz
12199.19	41.3	-3.3	3.6	134	0	0	Vert	PK	0	38	74	-36	Tx 2440 MHz, 2 Mbps, EUT Horiz
12009.05	42.7	-5.1	1.5	141	0	0	Horz	PK	0	37.6	74	-36.4	Tx 2402 MHz, 1 Mbps, EUT Horiz
12009.46	42.5	-5.1	1.5	152	0	0	Vert	PK	0	37.4	74	-36.6	Tx 2402 MHz, 1 Mbps, EUT Horiz
12009.31	42	-5.1	2	75	0	0	Horz	PK	0	36.9	74	-37.1	Tx 2402 MHz, 2 Mbps, EUT Horiz

CONCLUSION

Pass

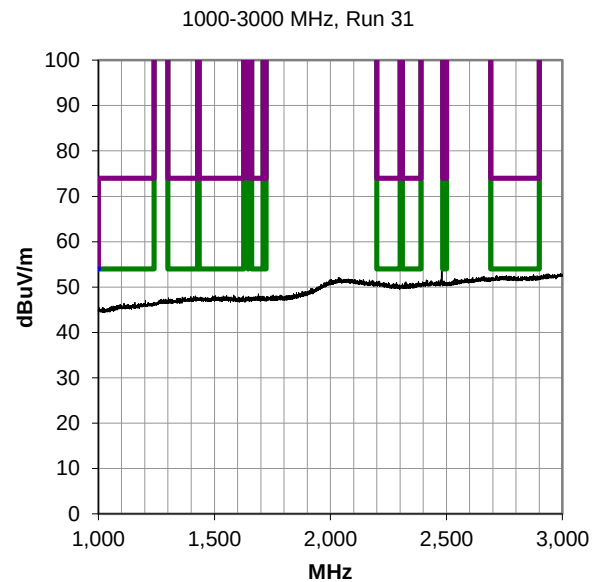
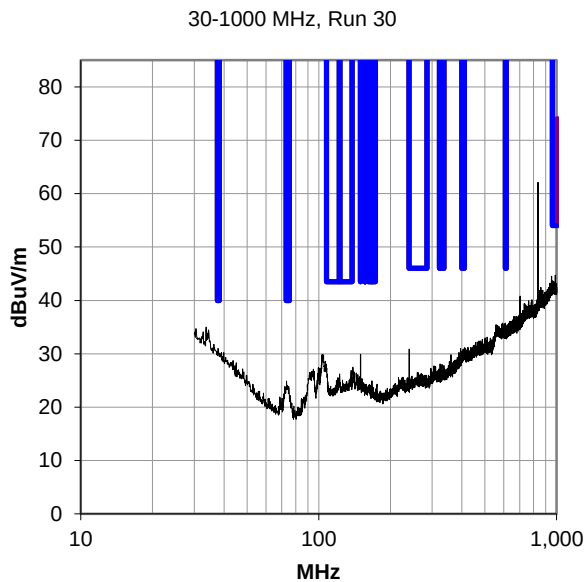
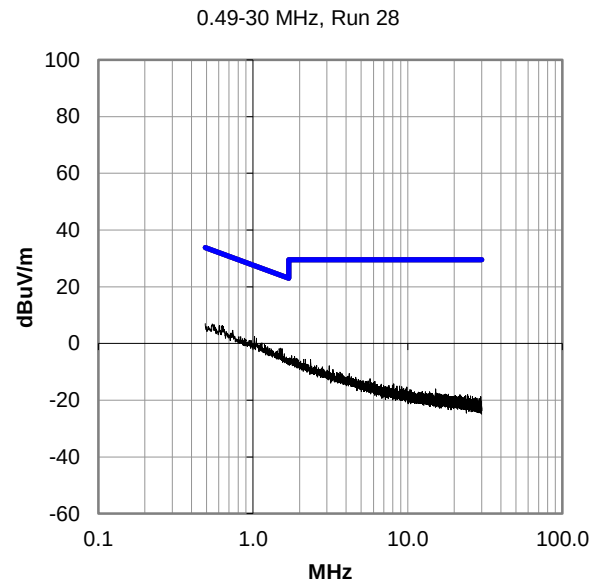
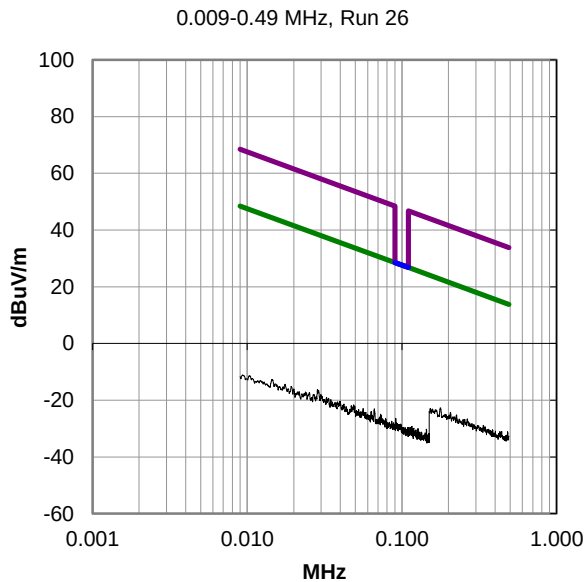


Tested By

SPURIOUS RADIATED EMISSIONS

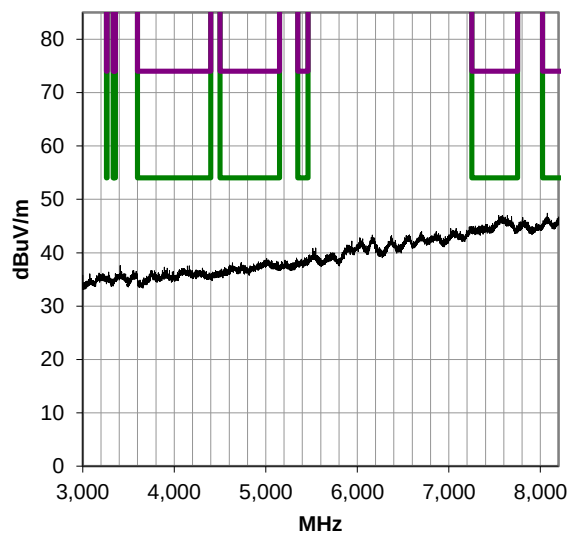
PRESCAN DATA

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.

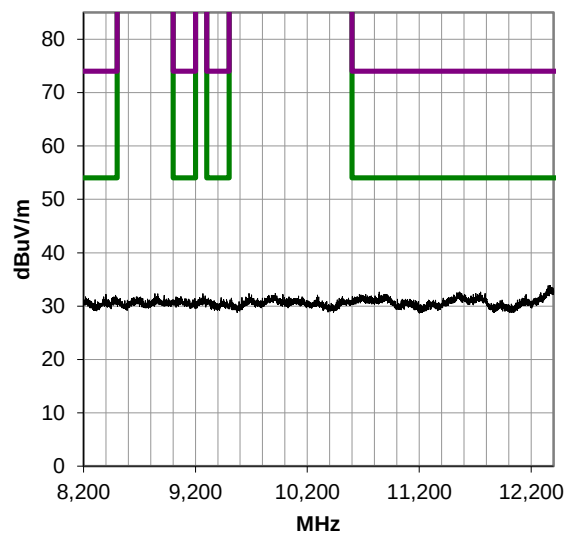


SPURIOUS RADIATED EMISSIONS

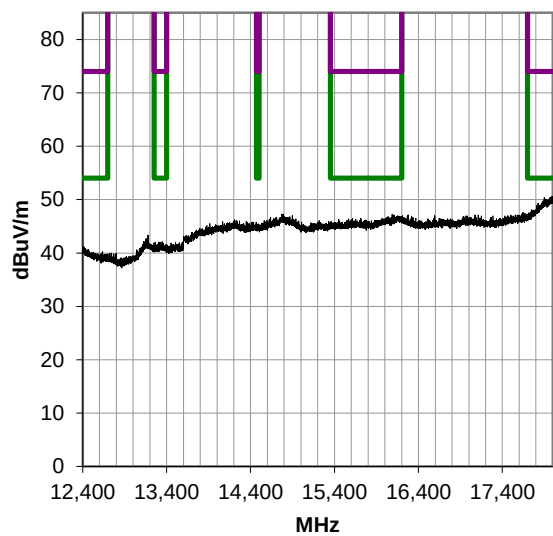
3000-8200 MHz, Run 32



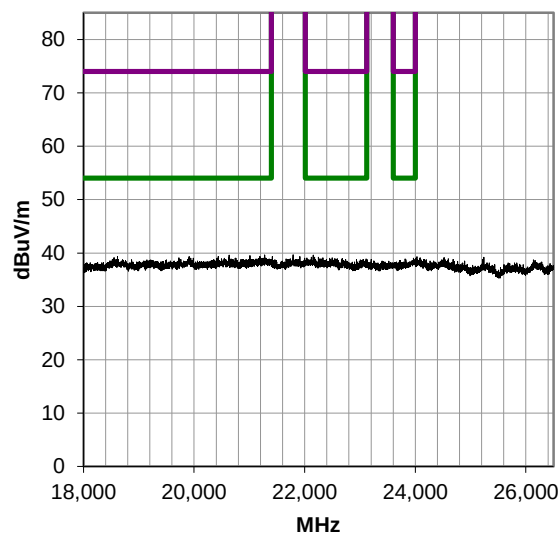
8200-12400 MHz, Run 33



12400-18000 MHz, Run 34



18000-26500 MHz, Run 49



RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE

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.

The measurement was made in a radiated configuration of the fundamental with the carrier fully maximized for its highest radiated power.

The highest gain antenna of each type to be used with the EUT was tested. The EUT was configured for the required transmit frequencies and the modes as showed in the data sheets.

The 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 if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and attenuation were used (if needed) 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:

PK = Peak Detector
AV = RMS Detector

Measurements within 2 MHz of the allowable band may have been taken using the integration method from ANSI C63.10 clause 11.13.3. This procedure uses the channel power feature of the spectrum analyzer to integrate the power of the emission within a 1 MHz bandwidth.

Where the radio test software does not provide for a duty cycle at continuous transmit conditions (> 98%) and the RMS (power average) measurements were made across the on and off times of the EUT transmissions, a duty cycle correction is added to the measurements using the formula of $10 \cdot \log(1/dc)$.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	ETS Lindgren	3115	AIR	2024-07-23	2026-07-23
Cable	Northwest EMC	1-8GHz RE Cables	OCJ	2025-04-30	2026-04-30
Amplifier - Pre-Amplifier	Cernex	CBL01084020-xx	PAX	2025-04-30	2026-04-30
Attenuator	Fairview Microwave	SA18H-20	TKQ	2025-05-01	2026-05-01
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFJ	2025-03-03	2026-03-03

RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1174
Serial Number:	BTB211038i	Date:	2025-08-07
Customer:	Medtronic, Inc.	Temperature:	24.8°C
Attendees:	Jed Meyer	Relative Humidity:	50.9%
Customer Project:	None	Bar. Pressure (PMSL):	1013 mbar
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	120VAC/60Hz	Configuration:	MDTR1174-13

COMMENTS

None

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

Tested By

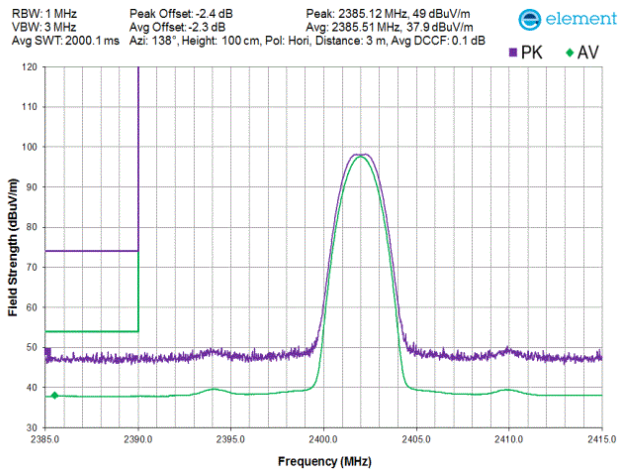
TEST RESULTS

	Frequency (MHz)	PK (dBuV/m) AV (dBuV/m)	PK Lim (dBuV/m) AV Lim (dBuV/m)	Worst Margin (dB)	Pol. (H/V)	EUT Orientation	Results
BLE/GFSK 125 kbps							
Low Channel, 2402 MHz	2385.120	49.0	74.0	-16.1	H	Vertical	Pass
	2385.510	37.9	54.0				
High Channel, 2480 MHz	2488.470	52.9	74.0	-13.2	H	Vertical	Pass
	2488.455	40.8	54.0				
BLE/GFSK 500 kbps							
Low Channel, 2402 MHz	2388.572	49.5	74.0	-15.8	H	Vertical	Pass
	2385.000	38.2	54.0				
High Channel, 2480 MHz	2484.563	50.7	74.0	-11.8	H	Vertical	Pass
	2487.685	42.2	54.0				
BLE/GFSK 1 Mbps							
Low Channel, 2402 MHz	2385.570	49.1	74.0	-15.6	H	Vertical	Pass
	2385.900	38.4	54.0				
High Channel, 2480 MHz	2488.025	50.8	74.0	-13.5	H	Vertical	Pass
	2487.655	40.5	54.0				
BLE/GFSK 2 Mbps							
Low Channel, 2402 MHz	2386.726	48.7	74.0	-12.5	H	Vertical	Pass
	2386.741	41.5	54.0				
	2386.666	49.2	74.0				
High Channel, 2480 MHz	2385.000	41.2	54.0	-12.8	V	Vertical	Pass
	2483.783	54.4	74.0	-10.7	V	Horizontal	Pass
	2483.508	43.3	54.0				
	2483.503	52.0	74.0	-11.4	H	Horizontal	Pass
	2483.508	42.6	54.0				
	2483.608	56.6	74.0	-9.6	H	Vertical	Pass
	2483.508	44.4	54.0				
	2484.203	49.7	74.0	-12.4	V	Vertical	Pass
	2483.503	41.6	54.0				
	2483.558	54.4	74.0	-10.8	V	on Side	Pass
	2483.503	43.2	54.0				

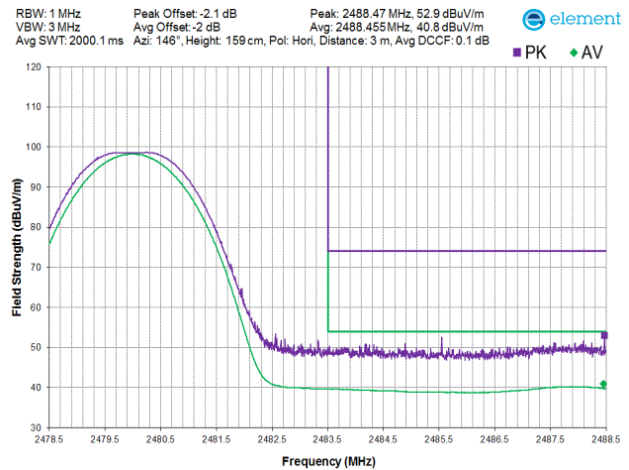
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE

Frequency (MHz)	PK (dBuV/m) AV (dBuV/m)	PK Lim (dBuV/m) AV Lim (dBuV/m)	Worst Margin (dB)	Pol. (H/V)	EUT Orientation	Results
2483.603 2483.508	52.6 43.1	74.0 54.0	-10.9	H	on Side	Pass

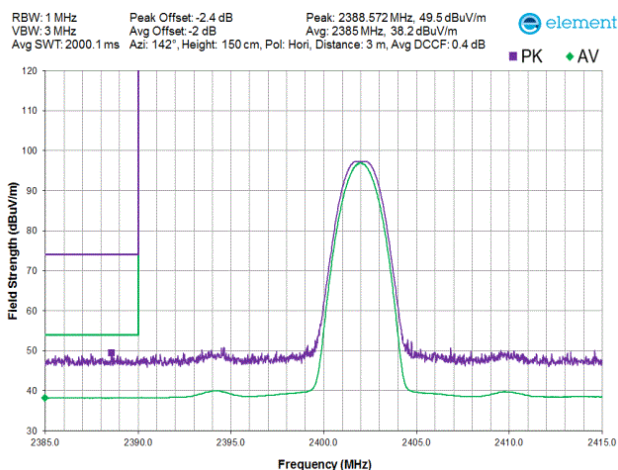
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



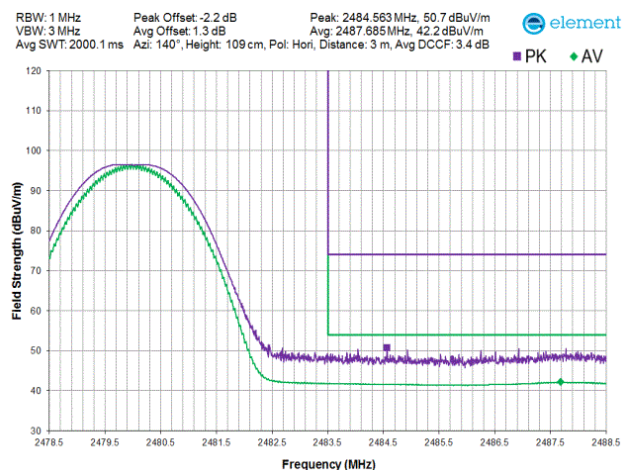
**BLE/GFSK 125 kbps
Low Channel, 2402 MHz**



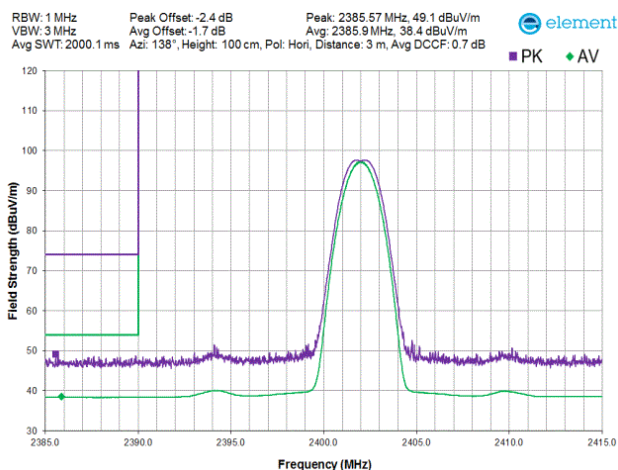
**BLE/GFSK 125 kbps
High Channel, 2480 MHz**



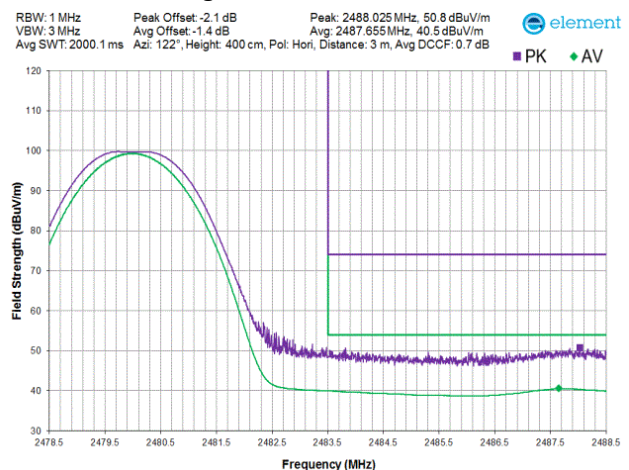
**BLE/GFSK 500 kbps
Low Channel, 2402 MHz**



**BLE/GFSK 500 kbps
High Channel, 2480 MHz**

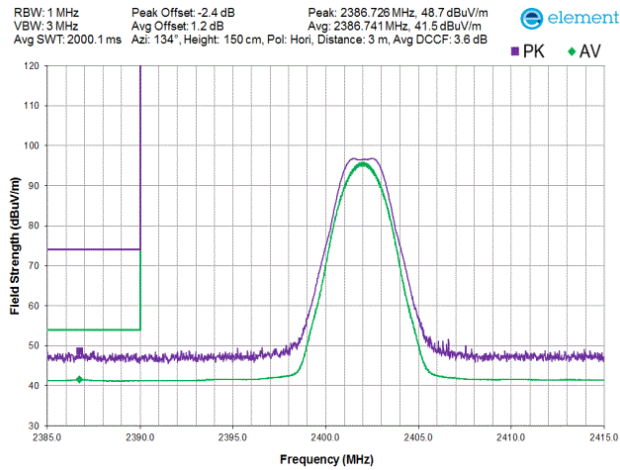


**BLE/GFSK 1 Mbps
Low Channel, 2402 MHz**

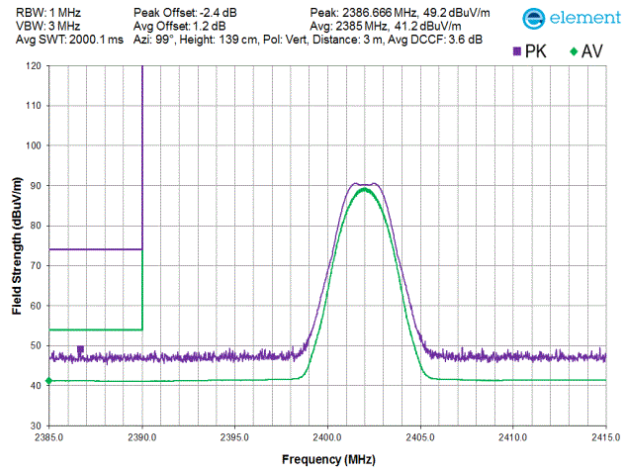


**BLE/GFSK 1 Mbps
High Channel, 2480 MHz**

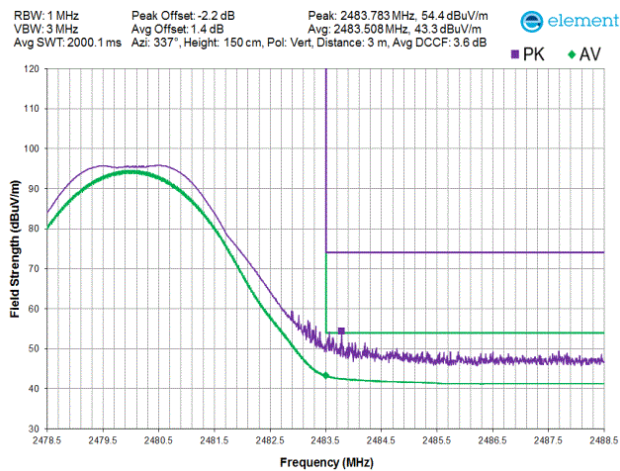
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



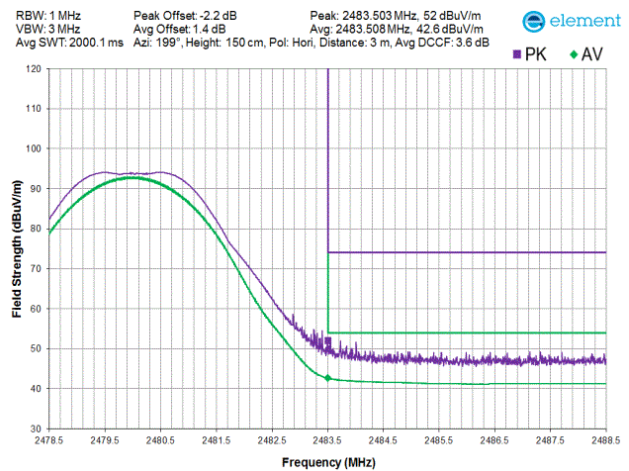
**BLE/GFSK 2 Mbps
Low Channel, 2402 MHz**



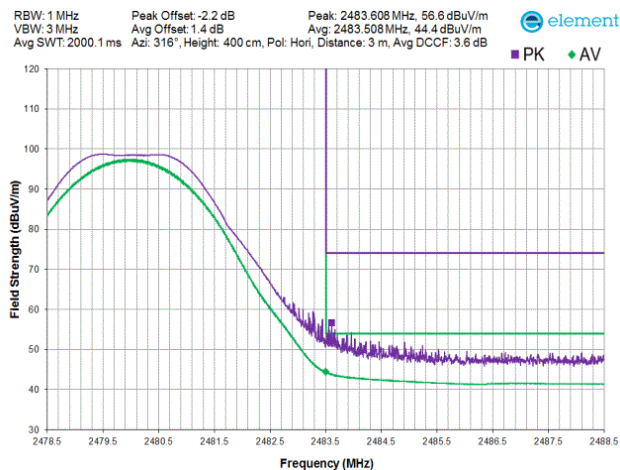
**BLE/GFSK 2 Mbps
Low Channel, 2402 MHz**



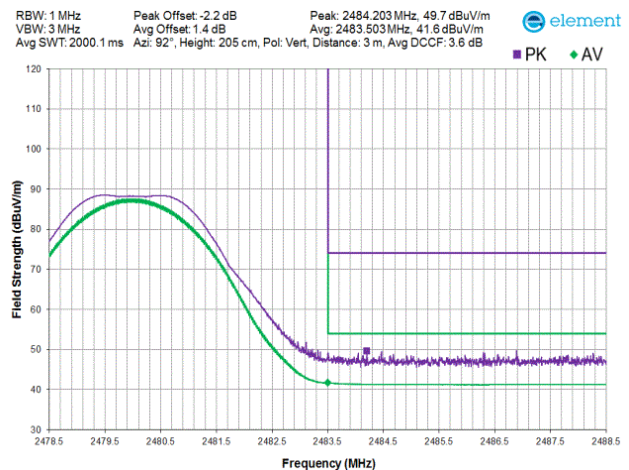
**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**



**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**



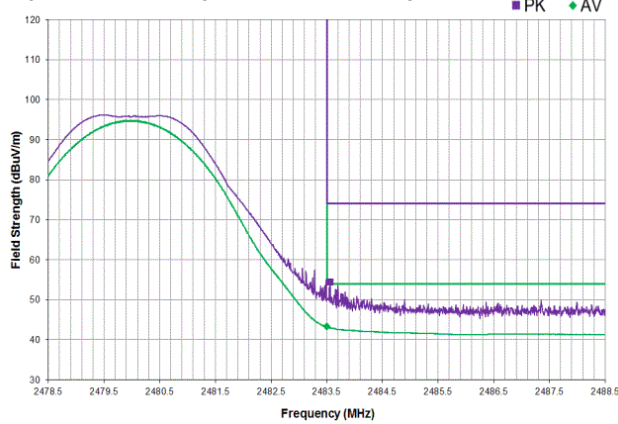
**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**



**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**

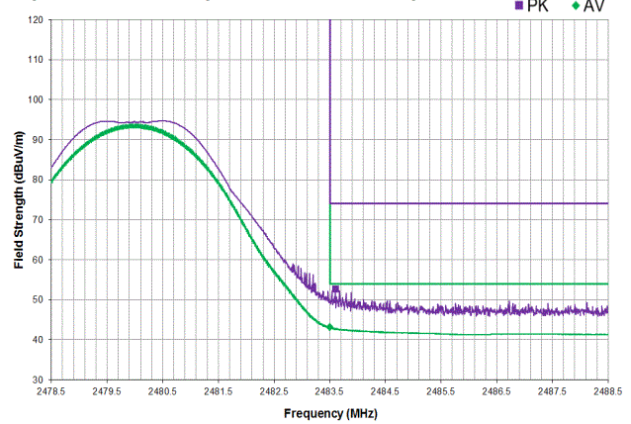
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE

RBW: 1 MHz Peak Offset: -2.2 dB Peak: 2483.558 MHz, 54.4 dBuV/m
VBW: 3 MHz Avg Offset: 1.4 dB Avg: 2483.503 MHz, 43.2 dBuV/m
Avg SWT: 2000.1 ms Azi: 101°, Height: 378 cm, Pol: Vert, Distance: 3 m, Avg DCCF: 3.6 dB



**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**

RBW: 1 MHz Peak Offset: -2.2 dB Peak: 2483.603 MHz, 52.6 dBuV/m
VBW: 3 MHz Avg Offset: 1.4 dB Avg: 2483.508 MHz, 43.1 dBuV/m
Avg SWT: 2000.1 ms Azi: 338°, Height: 150 cm, Pol: Hor, Distance: 3 m, Avg DCCF: 3.6 dB



**BLE/GFSK 2 Mbps
High Channel, 2480 MHz**

End of Test Report