



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

Wi-Fi 802.11 b/g/n SISO Radio

Report: MDTR1174.17 Rev. 02, 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 C63.10a:2024
RSS-Gen Issue 5:2018+A1:2019+A2:2021	ANSI C63.10:2020+Cor.1:2023+C63.10a:2024+Errata to 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	
DTS Bandwidth	N/A	15.247(a)(2), KDB 558074 -8.2	RSS-247 6.3.1(a)	11.8.2	Not included since data from MDTR1166.5 will be leveraged
Occupied Bandwidth	Pass	KDB 558074 -2.1	RSS-Gen 6.7	6.9.3	
Output Power	Pass	15.247(b)(3), KDB 558074 -8.3.2	RSS-247 6.3.2, RSS-Gen 6.12	11.9.2.2.4	See Data Reference Table Below
Equivalent Isotropic Radiated Power (EIRP)	N/A	15.247(b)(3), KDB 558074 -8.3.2	RSS-247 6.3.2, RSS-Gen 6.12	11.9.2.2.4	
Power Spectral Density	N/A	15.247(e), KDB 558074 -8.4	RSS-247 6.3.1(b)	11.10.5	Not included since data from MDTR1166.5 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 MDTR1166.5 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 MDTR1166.5 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	53.9 dBuV/m	51.7 dBuV/m	2.2 dB	CdB=	54 dBuV/m	Pass
				MdB=	0.1 dB	
				ddBmax=	3.01 dB	
Powerline Conducted Emissions	60.6 dBuV	59.8 dBuV	0.8 dB	CdB=	66 dBuV	Pass
				MdB=	5.4 dB	
				ddBmax=	3.27 dB	
Output Power	15 dBm	14.74 dBm	0.26 dB	CdB=	30 dBm	Pass
				MdB=	15 dB	
				ddBmax=	3.75 dB	

Deviations From Test Standards

None

Approved By:

Kyle Fujimoto, 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	Change Method to include the Errata Version	2026-03-17	3
	Change Field Strength Value to 9 kHz	2026-03-17	7
	Remove 40 MHz BW Data	2026-03-18	31, 32, 39
02	Revise Year on FCC Standard	2026-03-23	1
	Revise Method and Year for FCC Standard	2026-03-23	3
	Data Referencing Table Revised to correct values	2026-02-23	3
	Remove 40 MHz BW channels and frequencies and Antenna Gain Revised to Correct Value	2026-03-23	12
	EIRP measurement revised to show correct antenna gain	2026-03-23	27
	Remove 40 MHz BW configuration	2026-03-23	30

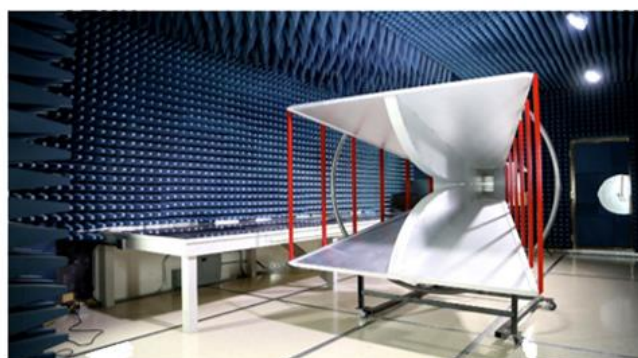
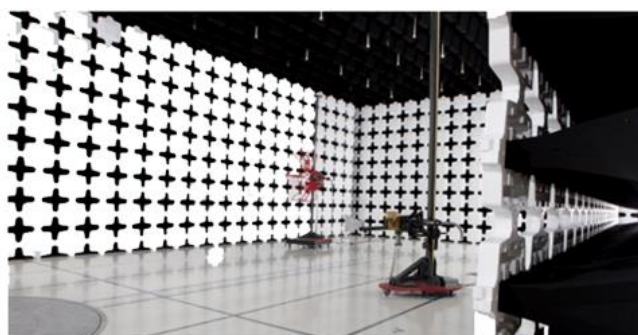
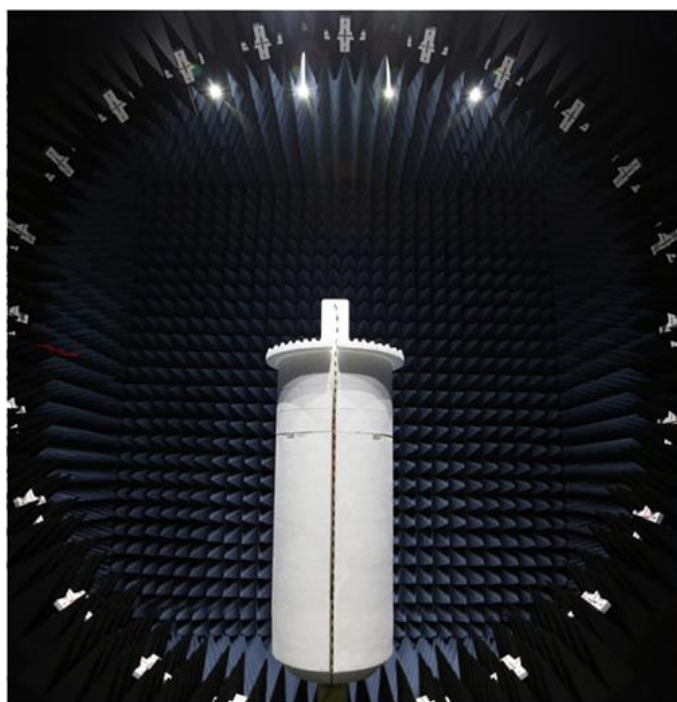
FACILITIES

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

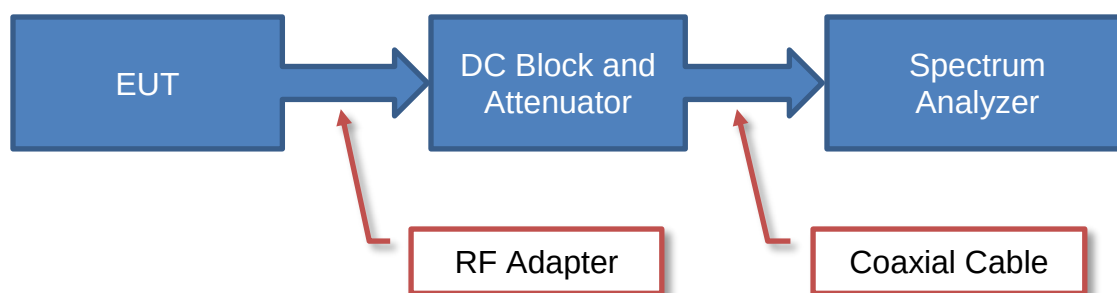
TEST SETUP BLOCK DIAGRAMS

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.

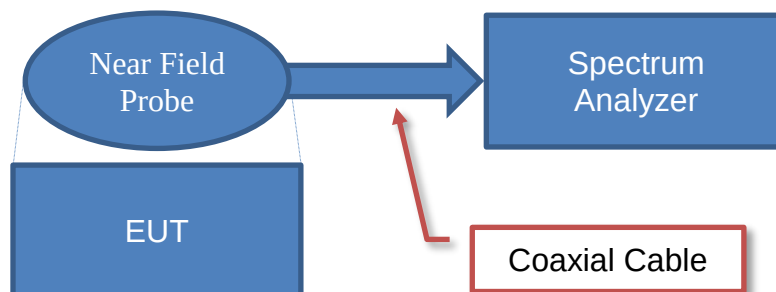
Antenna Port Conducted Measurements



Sample Calculation (logarithmic units)

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

Near Field Test Fixture Measurements

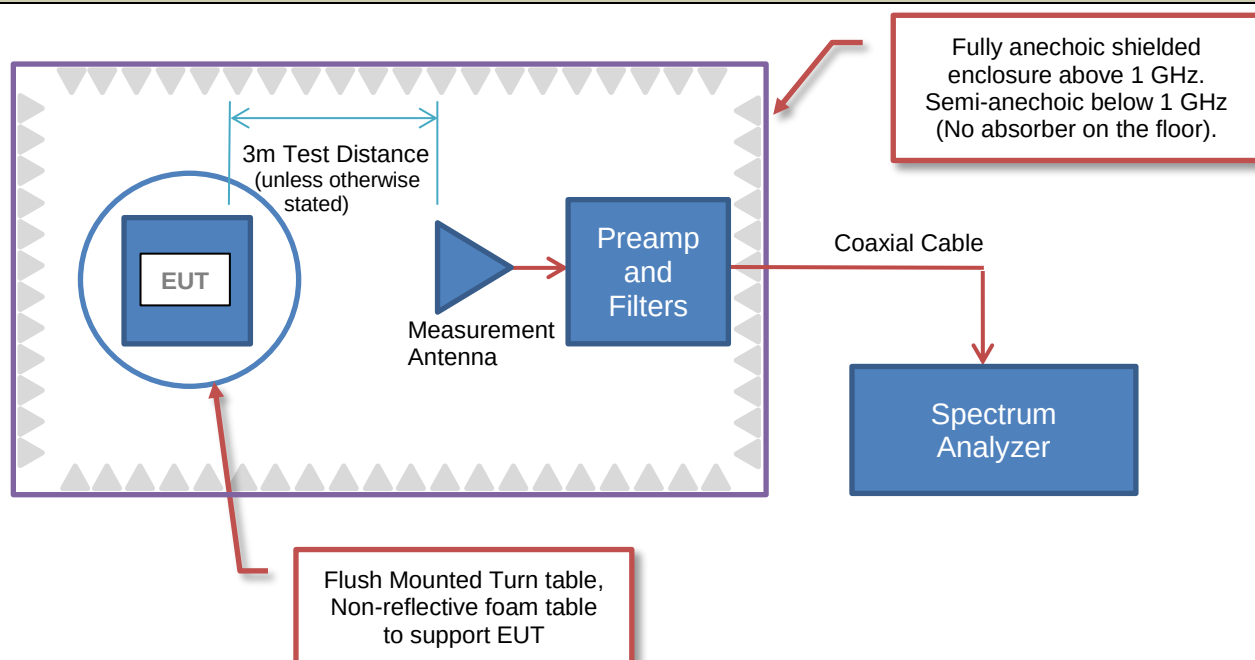


Sample Calculation (logarithmic units)

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

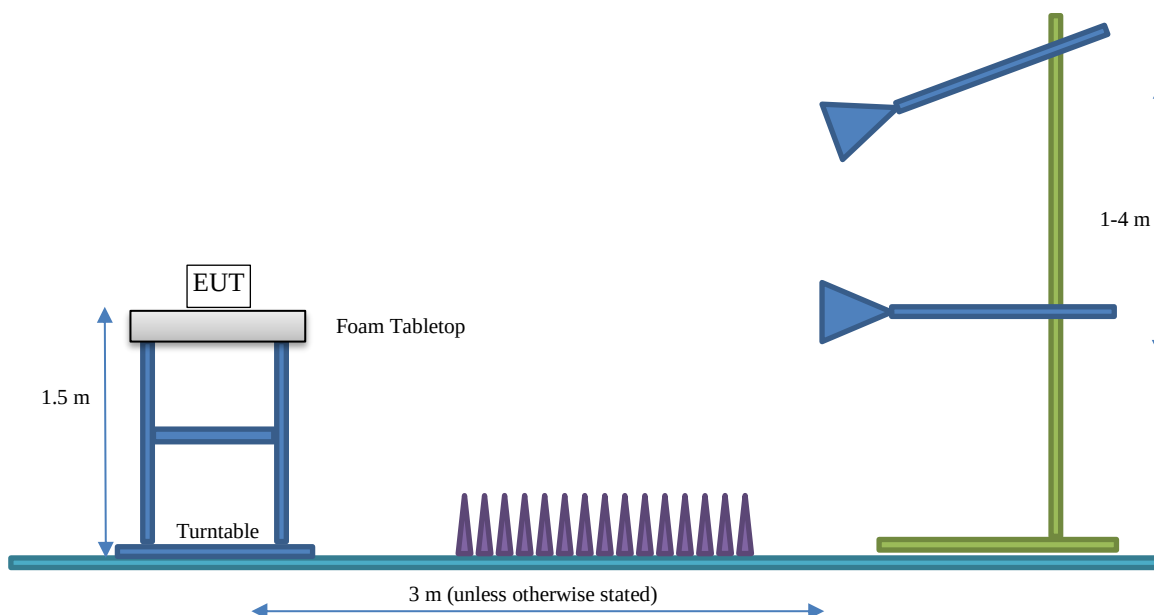
Radiated Power (ERP/EIRP) – Substitution Method:

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:	August 5, 2025
Last Date of Test:	November 13, 2025
Receipt Date of Samples:	August 5, 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 Wi-Fi 802.11 b/g/n SISO radio under FCC 15.247/RSS-247 for operation in the 2.4 GHz band.

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)
TE Connectivity 2108964-1 Linear, surface mount	Medtronic	2400-2483.5	2.9

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

- ☐ Test software settings
- ☒ Rated power settings

See configurations for software and firmware versions.

SETTINGS FOR ALL TESTS IN THIS REPORT

Modulation Types / Data Rates	Type	Channel	Frequency (MHz)	Power Setting (dBm)
1 Mbps - DBPSK 11 Mbps - CCK 6 Mbps - BPSK (OFDM) 36 Mbps - 16-QAM (OFDM) 54 Mbps - 64-QAM (OFDM) MCS0 -- BPSK MCS7 - 64-QAM	DTS	1	2412	15
		6	2437	15
		11	2462	15

CONFIGURATIONS



Configuration MDTR1174-8

Software/Firmware Running During Test	
Description	Version
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	BTB111033i

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

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)
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 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)
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 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	2025-08-05	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.
2	2025-08-06	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.
3	2025-08-19	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.
4	2025-11-13	Output Power	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	DTS (6dB) and Occupied Bandwidth (99%)	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.

Measurements are made using a LISN (Line Impedance Stabilization Network). The 50 Ω measuring port is terminated by a 50 Ω EMI meter or a 50 Ω resistive load. All 50 Ω measuring ports of the LISN are terminated by 50 Ω . The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

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.

The intentional radiator is integrated into a Class A digital device. Measurements were performed with the radio on and off to show that the radio portion of the digital device is not contributing to any of the emissions that exceed the limits. Emissions that exceed the limits will be tested to the applicable product family standard. These emissions are reported in the tabular data but will not have a limit or margin value associated with them.

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

MDTR1174-8

MODES INVESTIGATED

2.4 GHz Wi-Fi Radio Transmitting at 2437 MHz, 1 Mbps

POWERLINE CONDUCTED EMISSIONS



EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1174
Serial Number:	BTB211033i	Date:	2025-08-19
Customer:	Medtronic, Inc.	Temperature:	22.2°C
Attendees:	Jed Meyer	Relative Humidity:	57.4%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Arnauld Dedry	Job Site:	MN03
Power:	120VAC/60Hz	Configuration:	MDTR1174-8

TEST PARAMETERS

Run #:	53	Line:	High Line	Add. Ext. Attenuation (dB):	0
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COMMENTS

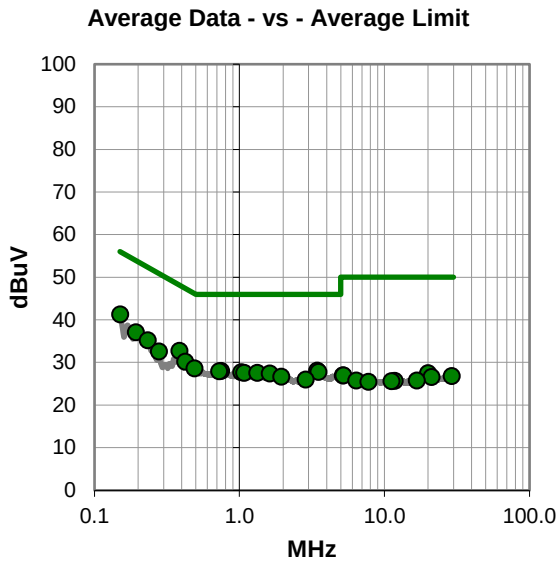
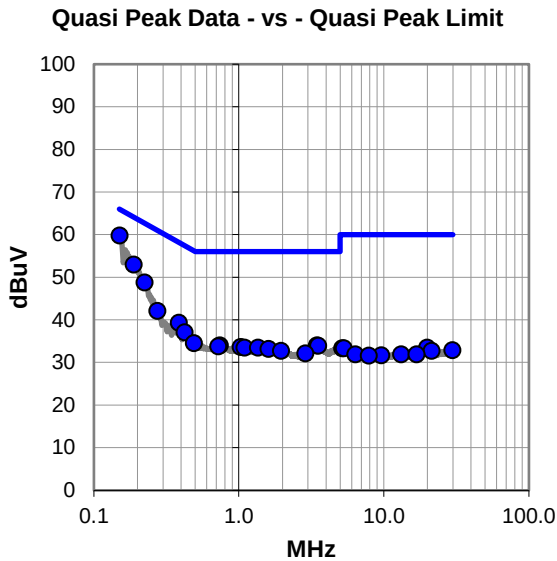
None

EUT OPERATING MODES

2.4 GHz Wi-Fi Radio Transmitting at 2437 MHz, 1 Mbps
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DEVIATIONS FROM TEST STANDARD

None



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #53

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	38.7	21.1	59.8	66.0	-6.2
0.188	32.1	20.9	53.0	64.1	-11.1
0.223	28.0	20.8	48.8	62.7	-13.9
0.274	21.4	20.7	42.1	61.0	-18.9
0.385	18.7	20.6	39.3	58.2	-18.9
0.423	16.4	20.7	37.1	57.4	-20.3
0.490	13.8	20.7	34.5	56.2	-21.7
0.740	13.2	20.8	34.0	56.0	-22.0
3.458	13.1	20.9	34.0	56.0	-22.0
3.517	13.0	20.9	33.9	56.0	-22.1
0.721	13.0	20.8	33.8	56.0	-22.2
1.026	12.9	20.7	33.6	56.0	-22.4
1.091	12.8	20.7	33.5	56.0	-22.5
1.357	12.8	20.7	33.5	56.0	-22.5
1.600	12.5	20.7	33.2	56.0	-22.8
1.952	12.0	20.7	32.7	56.0	-23.3
2.871	11.4	20.7	32.1	56.0	-23.9
19.899	11.7	21.8	33.5	60.0	-26.5
5.167	12.4	20.9	33.3	60.0	-26.7
5.298	12.4	20.9	33.3	60.0	-26.7
29.647	10.0	22.9	32.9	60.0	-27.1
21.314	10.7	22.0	32.7	60.0	-27.3
6.342	11.0	20.9	31.9	60.0	-28.1
13.174	10.5	21.4	31.9	60.0	-28.1
16.795	10.2	21.7	31.9	60.0	-28.1

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	20.2	21.1	41.3	56.0	-14.7
0.385	12.1	20.6	32.7	48.2	-15.5
0.193	16.2	20.9	37.1	53.9	-16.8
0.232	14.5	20.7	35.2	52.4	-17.2
0.423	9.5	20.7	30.2	47.4	-17.2
0.490	7.9	20.7	28.6	46.2	-17.6
3.435	7.2	20.9	28.1	46.0	-17.9
0.747	7.2	20.8	28.0	46.0	-18.0
0.724	7.1	20.8	27.9	46.0	-18.1
3.508	6.9	20.9	27.8	46.0	-18.2
0.278	12.0	20.6	32.6	50.9	-18.3
1.030	7.0	20.7	27.7	46.0	-18.3
1.076	6.9	20.7	27.6	46.0	-18.4
1.323	6.9	20.7	27.6	46.0	-18.4
1.619	6.7	20.7	27.4	46.0	-18.6
1.947	6.0	20.7	26.7	46.0	-19.3
2.863	5.3	20.7	26.0	46.0	-20.0
19.941	5.6	21.9	27.5	50.0	-22.5
5.170	6.1	20.9	27.0	50.0	-23.0
5.202	6.1	20.9	27.0	50.0	-23.0
29.114	4.0	22.8	26.8	50.0	-23.2
21.110	4.6	22.0	26.6	50.0	-23.4
6.397	4.9	20.9	25.8	50.0	-24.2
16.690	4.1	21.7	25.8	50.0	-24.2
11.789	4.3	21.4	25.7	50.0	-24.3

CONCLUSION

Pass



Tested By

POWERLINE CONDUCTED EMISSIONS



EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1174
Serial Number:	BTB211033i	Date:	2025-08-19
Customer:	Medtronic, Inc.	Temperature:	22.2°C
Attendees:	Jed Meyer	Relative Humidity:	57.4%
Customer Project:	None	Bar. Pressure (PMSL):	1017 mb
Tested By:	Arnauld Dedry	Job Site:	MN03
Power:	120VAC/60Hz	Configuration:	MDTR1174-8

TEST PARAMETERS

Run #:	54	Line:	Neutral	Add. Ext. Attenuation (dB):	0
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COMMENTS

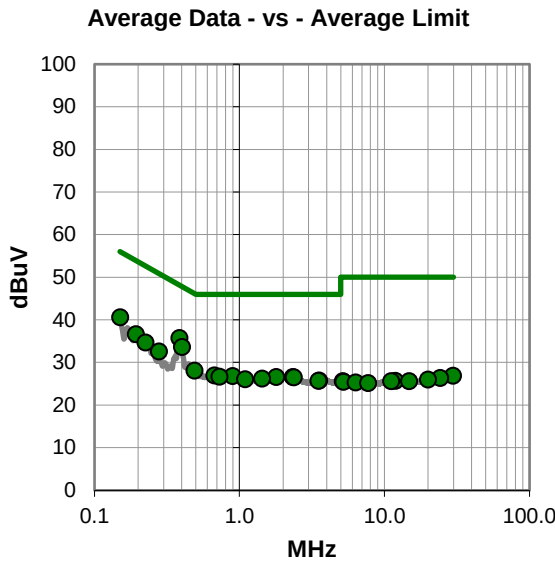
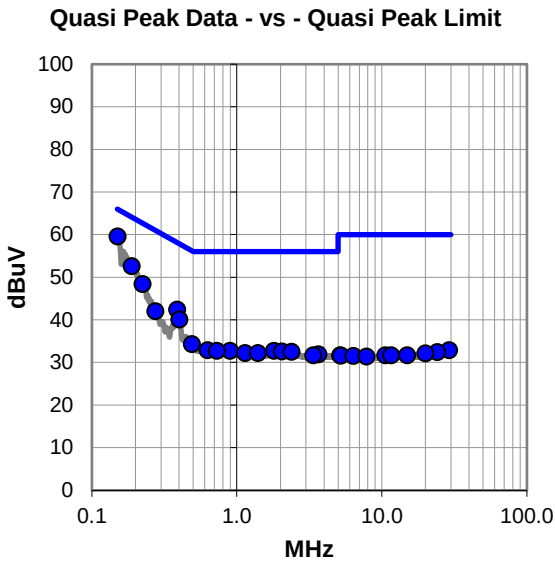
None

EUT OPERATING MODES

2.4 GHz Wi-Fi Radio Transmitting at 2437 MHz, 1 Mbps
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DEVIATIONS FROM TEST STANDARD

None



POWERLINE CONDUCTED EMISSIONS

RESULTS - Run #54

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
0.150	38.5	21.1	59.6	66.0	-6.4
0.188	31.7	20.9	52.6	64.1	-11.5
0.223	27.6	20.8	48.4	62.7	-14.3
0.386	21.8	20.6	42.4	58.1	-15.7
0.402	19.5	20.6	40.1	57.8	-17.7
0.274	21.3	20.7	42.0	61.0	-19.0
0.490	13.6	20.7	34.3	56.2	-21.9
0.629	12.1	20.8	32.9	56.0	-23.1
0.896	12.0	20.7	32.7	56.0	-23.3
1.796	12.0	20.7	32.7	56.0	-23.3
0.727	11.9	20.8	32.7	56.0	-23.3
2.047	11.9	20.7	32.6	56.0	-23.4
2.376	11.8	20.7	32.5	56.0	-23.5
1.139	11.5	20.7	32.2	56.0	-23.8
1.395	11.5	20.7	32.2	56.0	-23.8
3.659	11.0	20.9	31.9	56.0	-24.1
3.363	10.8	20.9	31.7	56.0	-24.3
29.113	10.1	22.8	32.9	60.0	-27.1
24.104	10.1	22.3	32.4	60.0	-27.6
19.984	10.2	21.9	32.1	60.0	-27.9
5.168	10.8	20.9	31.7	60.0	-28.3
10.567	10.5	21.2	31.7	60.0	-28.3
11.598	10.4	21.3	31.7	60.0	-28.3
14.934	10.2	21.5	31.7	60.0	-28.3
5.220	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)
0.385	15.1	20.6	35.7	48.2	-12.5
0.402	13.0	20.6	33.6	47.8	-14.2
0.150	19.5	21.1	40.6	56.0	-15.4
0.193	15.7	20.9	36.6	53.9	-17.3
0.225	13.9	20.8	34.7	52.6	-17.9
0.490	7.4	20.7	28.1	46.2	-18.1
0.278	12.0	20.6	32.6	50.9	-18.3
0.672	6.2	20.8	27.0	46.0	-19.0
0.898	6.1	20.7	26.8	46.0	-19.2
0.727	5.9	20.8	26.7	46.0	-19.3
1.795	5.9	20.7	26.6	46.0	-19.4
2.329	5.9	20.7	26.6	46.0	-19.4
2.365	5.8	20.7	26.5	46.0	-19.5
1.435	5.5	20.7	26.2	46.0	-19.8
1.093	5.4	20.7	26.1	46.0	-19.9
3.539	4.9	20.9	25.8	46.0	-20.2
3.507	4.8	20.9	25.7	46.0	-20.3
29.664	4.0	22.9	26.9	50.0	-23.1
24.221	4.1	22.3	26.4	50.0	-23.6
19.973	4.1	21.9	26.0	50.0	-24.0
11.864	4.3	21.4	25.7	50.0	-24.3
5.171	4.7	20.9	25.6	50.0	-24.4
11.151	4.3	21.3	25.6	50.0	-24.4
14.819	4.1	21.5	25.6	50.0	-24.4
5.225	4.6	20.9	25.5	50.0	-24.5

CONCLUSION

Pass



Tested By

DUTY CYCLE



TEST DESCRIPTION

The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

There is no compliance requirement to be met by this test, so therefore no Pass / Fail criteria.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum.

The test software provided for operation in a fixed, single channel mode allows the EUT to operate continuously at 100% Duty Cycle.

DTS (6 DB) AND 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.

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

The spectrum analyzer occupied bandwidth measurement function was used to sum the power of the transmission in linear terms to obtain the 99% bandwidth. The 6dB DTS bandwidth was also measured.

Per ANSI C63.10:2020, 6.9.3, and 11.8.1 the spectrum analyzer was configured as follows:

The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts (between 1.5 and 5 times the OBW per section 6.9.3a).

The resolution bandwidth (RBW) of the spectrum analyzer was set to the range of 1% to 5% of the occupied bandwidth (OBW) with a minimum of 100 kHz (section 11.8.1). The video bandwidth (VBW) bandwidth was set to at least 3 times the resolution bandwidth. The analyzer sweep time was set to auto to prevent video filtering or averaging. A Peak detector and max hold were used per 6.9.3e and 11.8.1c.

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

DTS (6 DB) AND OCCUPIED BANDWIDTH (99%)



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:	29.1%
Customer Project:	None	Bar. Pressure (PMSL):	1008 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 is limited to the highest output power measured in the MDTR1166.5 report.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

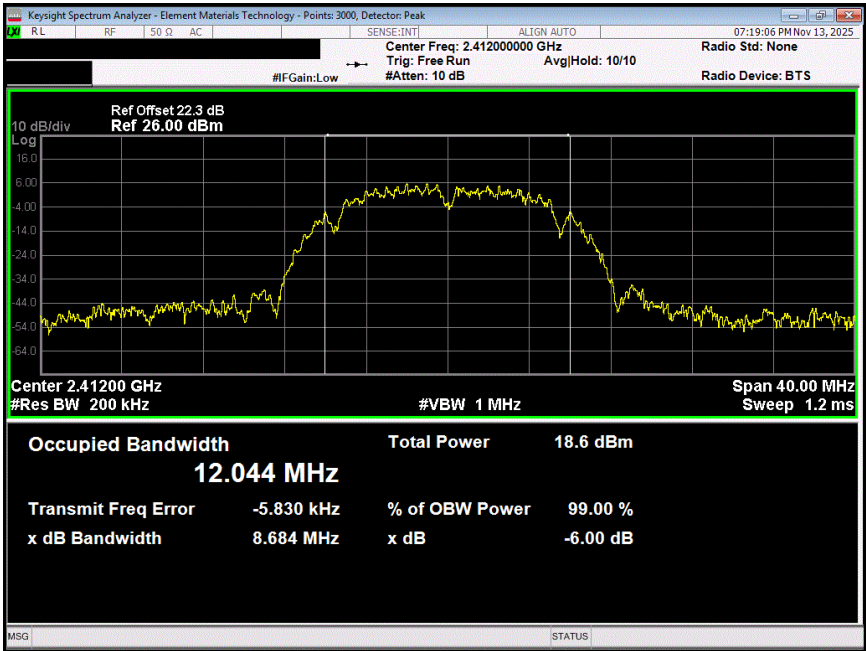
Pass

Tested By

TEST RESULTS

	Value (%)	Value (dB)	Limit	Result
No Enclosure, No Inductive Head				
20 MHz BW				
802.11(b) 1 Mbps				
Low Channel 1, 2412 MHz	12.044 MHz	8.684 MHz	> 500 kHz	Pass

DTS (6 DB) AND OCCUPIED BANDWIDTH (99%)



No Enclosure, No Inductive Head
20 MHz BW
802.11(b) 1 Mbps
Low Channel 1, 2412 MHz

OUTPUT POWER – Spot Check

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 fundamental emission output power (maximum average conducted output power) was measured using the channels and modes as called out on the following data sheets. The transmit power was set to its default maximum.

Prior to measuring output power; the emission bandwidth (B) and the transmission pulse duration (T) were measured. Both are required to determine the method of measuring Maximum Conducted Output Power. The transmission pulse duration (T) was measured using a zero span on the spectrum analyzer to see the pulses in the time domain.

The method AVGSA-2 in section 11.9.2.2.4 of ANSI C63.10:2020 was used to make the measurement. This method uses trace averaging across ON and OFF times of the EUT transmissions in the spectrum analyzer channel power function using an RMS detector. Following the measurement a duty cycle correction was applied by adding $[10 \log (1 / D)]$, where D is the duty cycle, to the measured power to compute the average power during the actual transmission times.

The EIRP (Equivalent Isotropic Radiated Power) is calculated with 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 – Spot Check



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 is a measurement of the highest output power setting as recorded in MDTR1166.5.

DEVIATIONS FROM TEST STANDARD

None

CONCLUSION

Pass

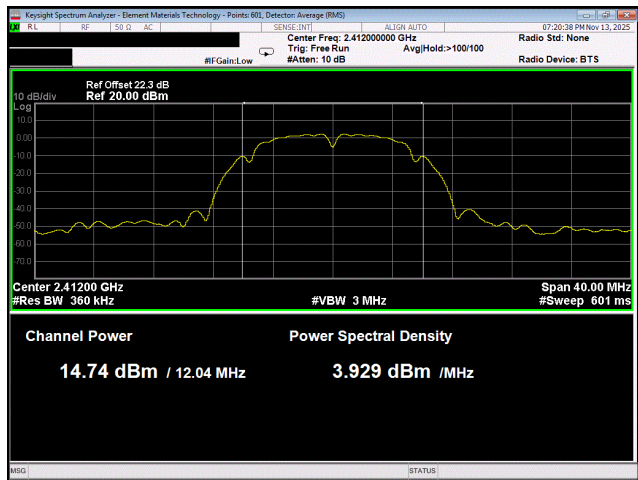
Tested By

TEST RESULTS

	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Out Pwr (dBm)	Limit (dBm)	Result
MDTR1174: No Enclosure, No Head					
20 MHz BW					
802.11(b) 1 Mbps					
Low Channel 1, 2412 MHz	14.736	0	14.736	30	Pass

	Out Pwr (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Result
MDTR1174: No Enclosure, No Head					
20 MHz BW					
802.11(b) 1 Mbps					
Low Channel 1, 2412 MHz	14.736	2.9	17.636	36	Pass

OUTPUT POWER – Spot Check



MDTR1174: No Enclosure, No Head
20 MHz BW
802.11(b) 1 Mbps
Low Channel 1, 2412 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 26500 MHz

POWER INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

MDTR1174-13

MODES INVESTIGATED

Transmitting 2.4 GHz Wi-Fi 802.11bgn, 2412, 2437, 2462 MHz, data rates: 1, 11, 6, 36, 54 Mbps, MCS0, MCS7

SPURIOUS RADIATED EMISSIONS

EUT:	MyCareLink Home Communicator Model 26900	Work Order:	MDTR1174
Serial Number:	BTB211038i	Date:	2025-08-05
Customer:	Medtronic, Inc.	Temperature:	23.3°C
Attendees:	Jed Meyer	Relative Humidity:	51%
Customer Project:	None	Bar. Pressure (PMSL):	1015 mb
Tested By:	Nolan De Ramos	Job Site:	OC10
Power:	120VAC/60Hz	Configuration:	MDTR1174-13

TEST PARAMETERS

Run #:	14	Test Distance (m):	3	Ant. Height(s) (m):	1 to 4(m)
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COMMENTS

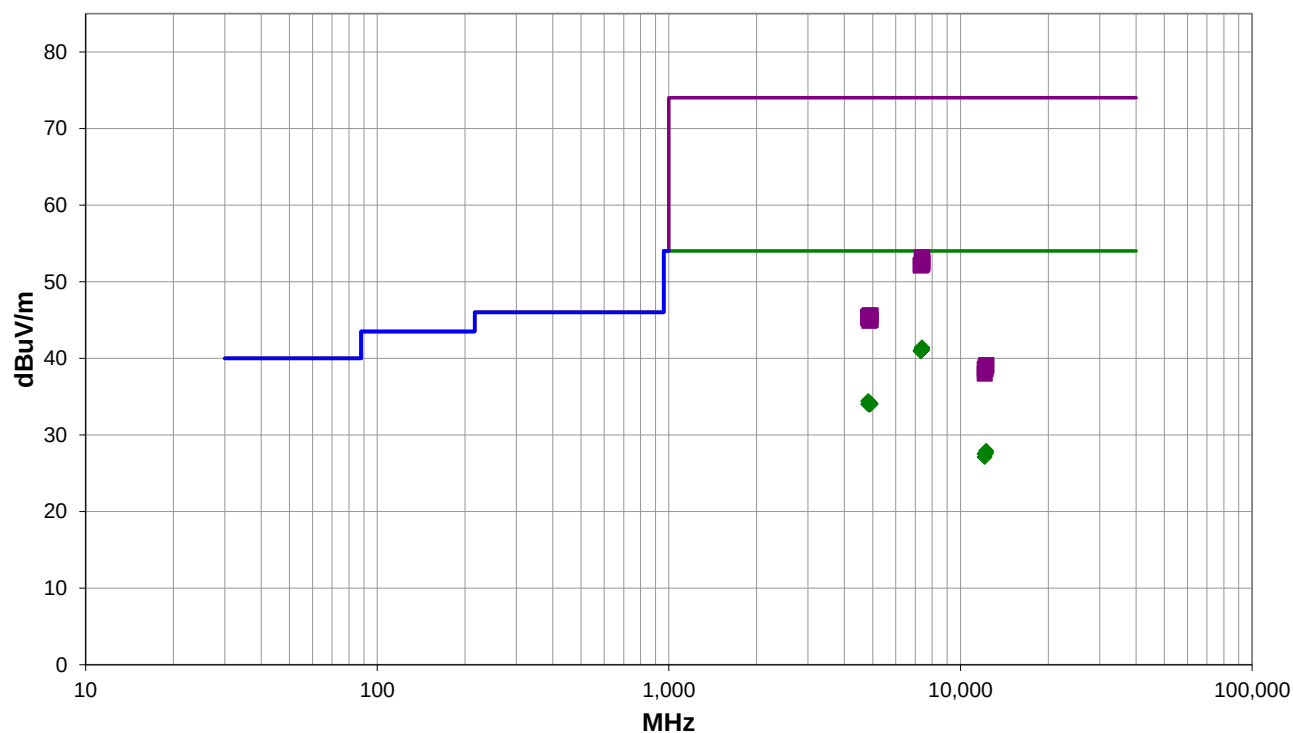
None

EUT OPERATING MODES

Transmitting 2.4 GHz Wi-Fi 802.11bgn, 2412, 2437, 2462 MHz, data rates: 1, 11, 6, 36, 54 Mbps, MCS0, MCS7

DEVIATIONS FROM TEST STANDARD

None



Run #: 14

PK AV QP

SPURIOUS RADIATED EMISSIONS

RESULTS - Run #14

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
7383.717	34.8	6.6	1.6	275.0	3.0	0.0	Horz	AV	0.0	41.4	54.0	-12.6	Tx 2462 MHz, 11 Mbps, EUT Horz
7388.050	34.7	6.6	3.5	253.0	3.0	0.0	Horz	AV	0.0	41.3	54.0	-12.7	Tx 2462 MHz, 1 Mbps, EUT Horz
7383.658	34.7	6.6	1.5	107.0	3.0	0.0	Vert	AV	0.0	41.3	54.0	-12.7	Tx 2462 MHz, 1 Mbps, EUT Horz
7383.892	34.6	6.6	1.5	230.0	3.0	0.0	Vert	AV	0.0	41.2	54.0	-12.8	Tx 2462 MHz, 1 Mbps, EUT on Side
7384.025	34.6	6.6	1.6	275.0	3.0	0.0	Horz	AV	0.0	41.2	54.0	-12.8	Tx 2462 MHz, 6 Mbps, EUT Horz
7387.683	34.6	6.6	1.6	275.0	3.0	0.0	Horz	AV	0.0	41.2	54.0	-12.8	Tx 2462 MHz, 36 Mbps, EUT Horz
7383.725	34.6	6.6	1.6	275.0	3.0	0.0	Horz	AV	0.0	41.2	54.0	-12.8	Tx 2462 MHz, 54 Mbps, EUT Horz
7383.867	34.5	6.6	1.5	305.0	3.0	0.0	Horz	AV	0.0	41.1	54.0	-12.9	Tx 2462 MHz, 1 Mbps, EUT on Side
7384.058	34.5	6.6	1.5	308.0	3.0	0.0	Horz	AV	0.0	41.1	54.0	-12.9	Tx 2462 MHz, 1 Mbps, EUT Vert
7383.750	34.5	6.6	1.5	169.0	3.0	0.0	Vert	AV	0.0	41.1	54.0	-12.9	Tx 2462 MHz, 1 Mbps, EUT Vert
7384.200	34.5	6.6	1.6	275.0	3.0	0.0	Horz	AV	0.0	41.1	54.0	-12.9	Tx 2462 MHz, MCS0, EUT Horz
7383.908	34.5	6.6	1.6	275.0	3.0	0.0	Horz	AV	0.0	41.1	54.0	-12.9	Tx 2462 MHz, MCS7, EUT Horz
7313.033	34.6	6.4	1.5	209.0	3.0	0.0	Vert	AV	0.0	41.0	54.0	-13.0	Tx 2437 MHz, 1 Mbps, EUT Horz
7308.842	34.6	6.3	1.5	271.0	3.0	0.0	Horz	AV	0.0	40.9	54.0	-13.1	Tx 2437 MHz, 1 Mbps, EUT Horz
4824.042	38.5	-4.1	1.5	35.0	3.0	0.0	Vert	AV	0.0	34.4	54.0	-19.6	Tx 2412 MHz, 1 Mbps, EUT Horz
4921.683	37.9	-3.8	1.5	248.0	3.0	0.0	Vert	AV	0.0	34.1	54.0	-19.9	Tx 2462 MHz, 1 Mbps, EUT Horz
4921.633	37.8	-3.8	1.5	187.0	3.0	0.0	Horz	AV	0.0	34.0	54.0	-20.0	Tx 2462 MHz, 1 Mbps, EUT Horz
4875.842	37.8	-3.8	1.5	67.0	3.0	0.0	Horz	AV	0.0	34.0	54.0	-20.0	Tx 2437 MHz, 1 Mbps, EUT Horz
4826.450	38.0	-4.0	1.5	44.0	3.0	0.0	Horz	AV	0.0	34.0	54.0	-20.0	Tx 2412 MHz, 1 Mbps, EUT Horz
4876.475	37.7	-3.8	1.5	172.0	3.0	0.0	Vert	AV	0.0	33.9	54.0	-20.1	Tx 2437 MHz, 1 Mbps, EUT Horz
7387.092	46.6	6.6	1.6	275.0	3.0	0.0	Horz	PK	0.0	53.2	74.0	-20.8	Tx 2462 MHz, 11 Mbps, EUT Horz
7386.717	46.4	6.6	1.5	107.0	3.0	0.0	Vert	PK	0.0	53.0	74.0	-21.0	Tx 2462 MHz, 1 Mbps, EUT Horz
7386.617	46.4	6.6	1.6	275.0	3.0	0.0	Horz	PK	0.0	53.0	74.0	-21.0	Tx 2462 MHz, 36 Mbps, EUT Horz
7387.192	46.2	6.6	1.5	308.0	3.0	0.0	Horz	PK	0.0	52.8	74.0	-21.2	Tx 2462 MHz, 1 Mbps, EUT Vert
7386.783	46.0	6.6	1.5	230.0	3.0	0.0	Vert	PK	0.0	52.6	74.0	-21.4	Tx 2462 MHz, 1 Mbps, EUT on Side
7385.658	45.9	6.6	1.5	305.0	3.0	0.0	Horz	PK	0.0	52.5	74.0	-21.5	Tx 2462 MHz, 1 Mbps, EUT on Side
7385.642	45.9	6.6	1.6	275.0	3.0	0.0	Horz	PK	0.0	52.5	74.0	-21.5	Tx 2462 MHz, 54 Mbps, EUT Horz
7386.750	45.8	6.6	1.6	275.0	3.0	0.0	Horz	PK	0.0	52.4	74.0	-21.6	Tx 2462 MHz, MCS0, EUT Horz
7384.742	45.7	6.6	1.5	169.0	3.0	0.0	Vert	PK	0.0	52.3	74.0	-21.7	Tx 2462 MHz, 1 Mbps, EUT Vert
7387.508	45.7	6.6	3.5	253.0	3.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	Tx 2462 MHz, 1 Mbps, EUT Horz
7383.892	45.7	6.6	1.6	275.0	3.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	Tx 2462 MHz, 6 Mbps, EUT Horz
7387.092	45.7	6.6	1.6	275.0	3.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	Tx 2462 MHz, MCS7, EUT Horz
7312.300	45.8	6.4	1.5	271.0	3.0	0.0	Horz	PK	0.0	52.2	74.0	-21.8	Tx 2437 MHz, 1 Mbps, EUT Horz
7309.608	45.8	6.3	1.5	209.0	3.0	0.0	Vert	PK	0.0	52.1	74.0	-21.9	Tx 2437 MHz, 1 Mbps, EUT Horz
12261.450	30.4	-2.5	3.5	144.0	3.0	0.0	Horz	AV	0.0	27.9	54.0	-26.1	Tx 2462 MHz, 1 Mbps, EUT Horz
12261.770	30.2	-2.5	1.5	31.0	3.0	0.0	Vert	AV	0.0	27.7	54.0	-26.3	Tx 2462 MHz, 1 Mbps, EUT Horz
12107.980	31.8	-4.3	1.5	258.0	3.0	0.0	Horz	AV	0.0	27.5	54.0	-26.5	Tx 2412 MHz, 1 Mbps, EUT Horz
12183.220	31.1	-3.6	3.1	321.0	3.0	0.0	Horz	AV	0.0	27.5	54.0	-26.5	Tx 2437 MHz, 1 Mbps, EUT Horz
12182.560	31.1	-3.6	3.9	144.0	3.0	0.0	Vert	AV	0.0	27.5	54.0	-26.5	Tx 2437 MHz, 1 Mbps, EUT Horz
12107.530	31.4	-4.3	3.0	333.0	3.0	0.0	Vert	AV	0.0	27.1	54.0	-26.9	Tx 2412 MHz, 1 Mbps, EUT Horz

SPURIOUS RADIATED EMISSIONS

Freq (MHz)	Amplitude (dBuV)	Factor (dB/m)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/Transducer	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4924.017	49.3	-3.7	1.5	187.0	3.0	0.0	Horz	PK	0.0	45.6	74.0	-28.4	Tx 2462 MHz, 1 Mbps, EUT Horz
4873.608	49.5	-3.9	1.5	172.0	3.0	0.0	Vert	PK	0.0	45.6	74.0	-28.4	Tx 2437 MHz, 1 Mbps, EUT Horz
4823.792	49.5	-4.1	1.5	44.0	3.0	0.0	Horz	PK	0.0	45.4	74.0	-28.6	Tx 2412 MHz, 1 Mbps, EUT Horz
4824.067	49.3	-4.1	1.5	35.0	3.0	0.0	Vert	PK	0.0	45.2	74.0	-28.8	Tx 2412 MHz, 1 Mbps, EUT Horz
4921.558	48.8	-3.8	1.5	248.0	3.0	0.0	Vert	PK	0.0	45.0	74.0	-29.0	Tx 2462 MHz, 1 Mbps, EUT Horz
4874.333	48.7	-3.8	1.5	67.0	3.0	0.0	Horz	PK	0.0	44.9	74.0	-29.1	Tx 2437 MHz, 1 Mbps, EUT Horz
12260.280	41.6	-2.5	3.5	144.0	3.0	0.0	Horz	PK	0.0	39.1	74.0	-34.9	Tx 2462 MHz, 1 Mbps, EUT Horz
12257.520	41.5	-2.5	1.5	31.0	3.0	0.0	Vert	PK	0.0	39.0	74.0	-35.0	Tx 2462 MHz, 1 Mbps, EUT Horz
12184.040	42.5	-3.6	3.1	321.0	3.0	0.0	Horz	PK	0.0	38.9	74.0	-35.1	Tx 2437 MHz, 1 Mbps, EUT Horz
12109.210	42.9	-4.3	1.5	258.0	3.0	0.0	Horz	PK	0.0	38.6	74.0	-35.4	Tx 2412 MHz, 1 Mbps, EUT Horz
12184.470	42.1	-3.5	3.9	144.0	3.0	0.0	Vert	PK	0.0	38.6	74.0	-35.4	Tx 2437 MHz, 1 Mbps, EUT Horz
12111.150	42.3	-4.3	3.0	333.0	3.0	0.0	Vert	PK	0.0	38.0	74.0	-36.0	Tx 2412 MHz, 1 Mbps, EUT Horz

CONCLUSION

Pass

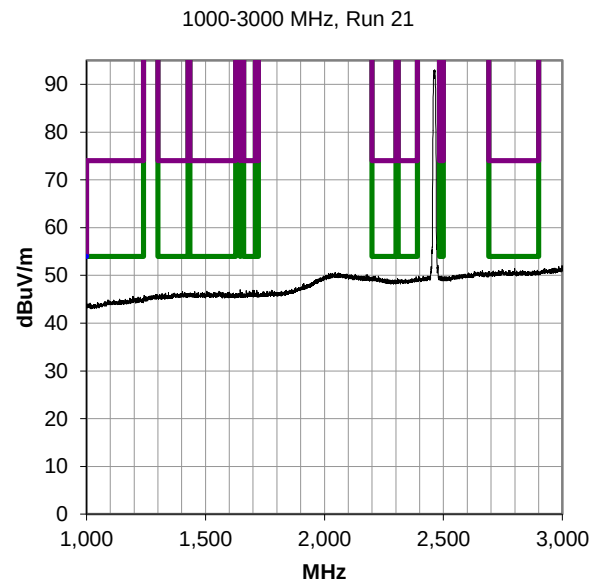
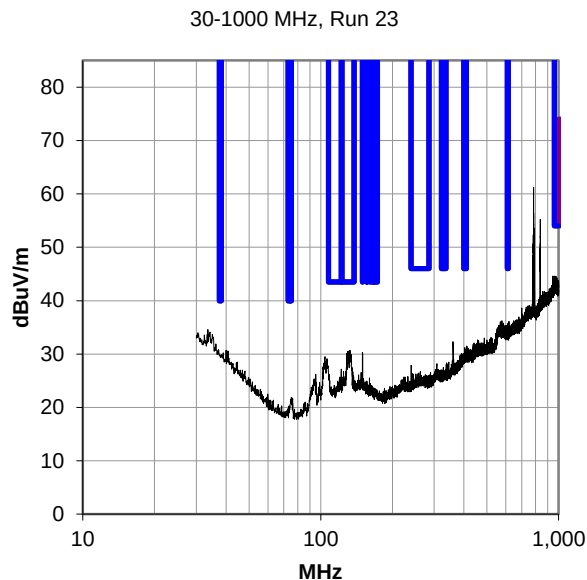
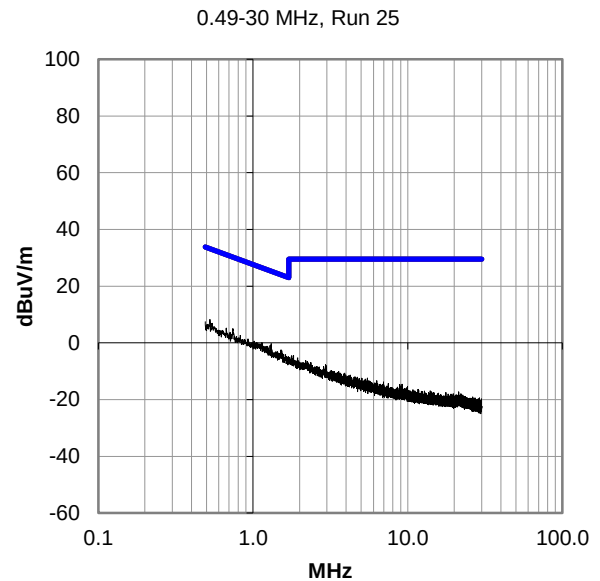
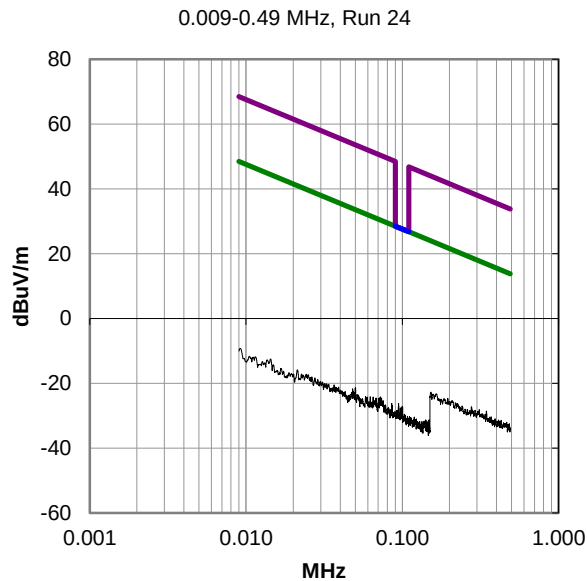


Tested By

SPURIOUS RADIATED EMISSIONS

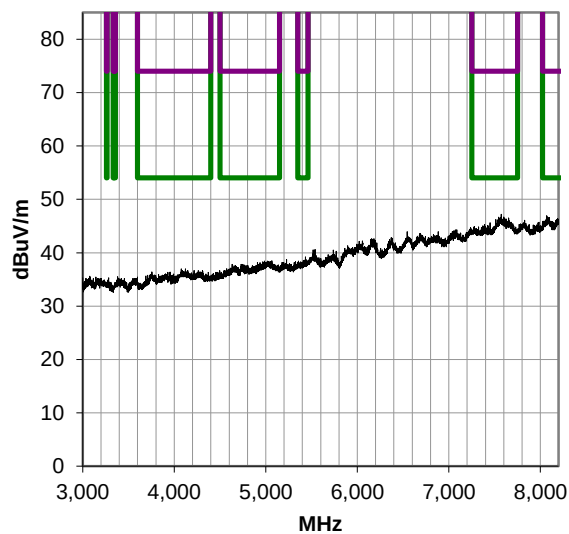
PRESCAN DATA

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.

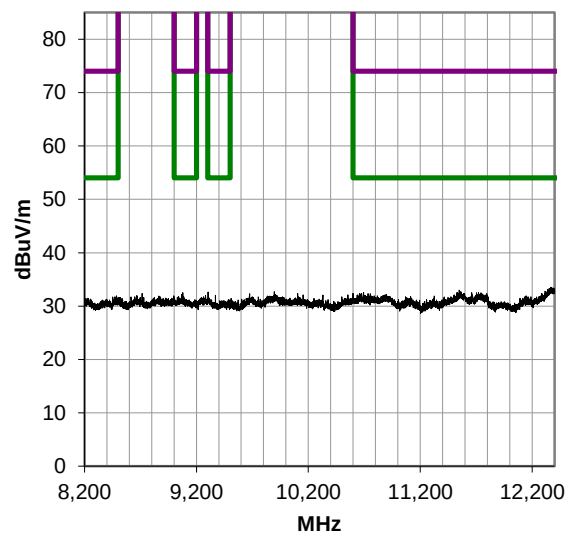


SPURIOUS RADIATED EMISSIONS

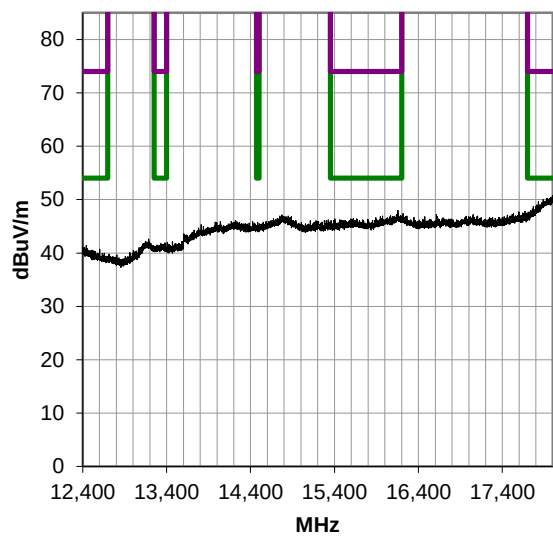
3000-8200 MHz, Run 22



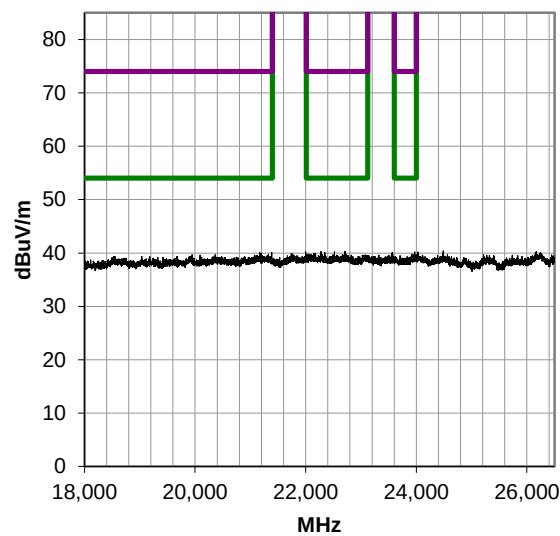
8200-12400 MHz, Run 13



12400-18000 MHz, Run 14



18000-26500 MHz, Run 18



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:	2025-08-06
Customer:	Medtronic, Inc.	Temperature:	25.1°C
Attendees:	Jed Meyer	Relative Humidity:	50.8%
Customer Project:	None	Bar. Pressure (PMSL):	1015 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

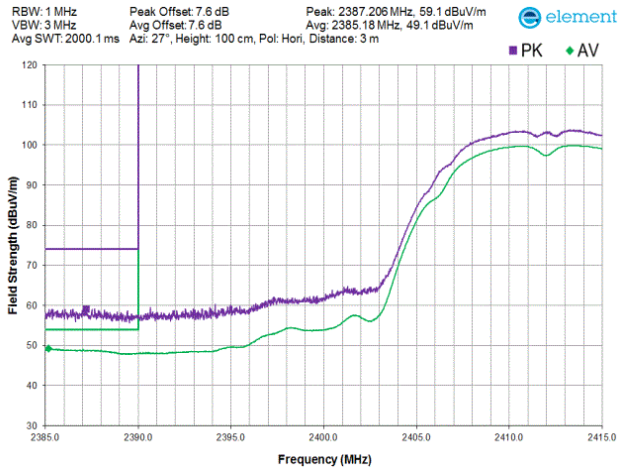
TEST RESULTS

	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
20 MHz BW							
802.11(b) 1 Mbps							
Low Channel 1, 2412 MHz	2387.206	59.1	74.0	-4.9	H	on Side	Pass
	2385.180	49.1	54.0				
High Channel 11, 2462 MHz	2386.336	59.3	74.0	-5.1	V	Horizontal	Pass
	2385.435	48.9	54.0				
	2493.775	59.2	74.0	-5.0	H	Vertical	Pass
	2488.192	49.0	54.0				
	2498.978	59.3	74.0	-5.7	V	Vertical	Pass
	2485.091	48.3	54.0				
	2498.357	59.6	74.0	-5.6	H	Horizontal	Pass
	2487.172	48.4	54.0				
	2494.315	59.7	74.0	-2.8	V	Horizontal	Pass
	2498.357	51.2	54.0				
	2489.473	59.9	74.0	-4.2	H	on Side	Pass
	2488.092	49.8	54.0				
	2486.632	60.3	74.0	-4.1	V	on Side	Pass
	2487.232	49.9	54.0				
802.11(b) 11 Mbps							
Low Channel 1, 2412 MHz	2387.071	59.4	74.0	-5.6	H	on Side	Pass
	2385.810	48.4	54.0				
High Channel 11, 2462 MHz	2386.711	59.0	74.0	-5.5	V	Horizontal	Pass
	2385.450	48.5	54.0				
	2486.952	59.8	74.0	-4.7	H	on Side	Pass
	2488.432	49.3	54.0				
	2484.791	59.7	74.0	-5.2	V	Horizontal	Pass
	2483.530	48.8	54.0				

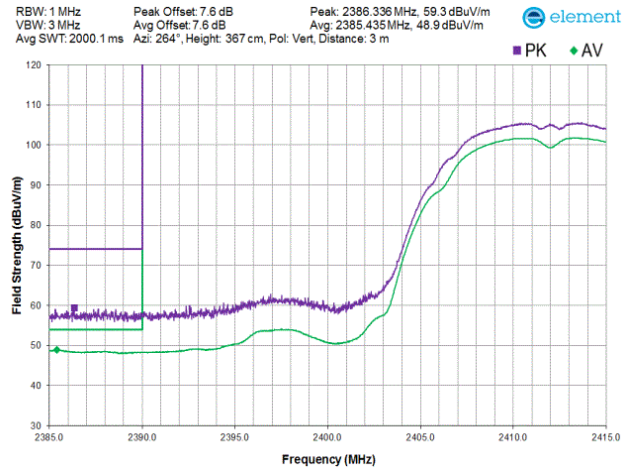
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE

802.11(g) 6 Mbps							
Low Channel 1, 2412 MHz	2389.967	63.3	74.0	-4.2	H	on Side	Pass
	2389.832	49.8	54.0				
	2385.975	61.0	74.0	-4.8	V	Horizontal	Pass
High Channel 11, 2462 MHz	2389.412	49.2	54.0				
	2483.810	63.5	74.0	-3.8	H	on Side	Pass
	2483.630	50.2	54.0				
	2484.270	66.1	74.0	-3.1	V	Horizontal	Pass
	2483.510	50.9	54.0				
802.11(g) 36 Mbps							
Low Channel 1, 2412 MHz	2389.817	62.1	74.0	-4.2	H	on Side	Pass
	2389.787	49.8	54.0				
	2389.352	61.1	74.0	-4.7	V	Horizontal	Pass
High Channel 11, 2462 MHz	2389.547	49.3	54.0				
	2483.750	61.5	74.0	-3.6	H	on Side	Pass
	2483.570	50.4	54.0				
	2484.631	64.0	74.0	-3.1	V	Horizontal	Pass
	2483.510	50.9	54.0				
802.11(g) 54 Mbps							
Low Channel 1, 2412 MHz	2389.847	61.5	74.0	-4.5	H	on Side	Pass
	2389.502	49.5	54.0				
	2387.311	63.0	74.0	-4.7	V	Horizontal	Pass
High Channel 11, 2462 MHz	2389.637	49.3	54.0				
	2483.990	67.4	74.0	-3.2	H	on Side	Pass
	2483.750	50.8	54.0				
	2483.510	65.5	74.0	-3.0	V	Horizontal	Pass
	2483.510	51.0	54.0				
802.11(n) MCS0							
Low Channel 1, 2412 MHz	2388.407	62.6	74.0	-3.9	H	on Side	Pass
	2389.952	50.1	54.0				
	2389.442	60.8	74.0	-4.2	V	Horizontal	Pass
High Channel 11, 2462 MHz	2389.907	49.8	54.0				
	2484.190	63.9	74.0	-3.3	H	on Side	Pass
	2483.510	50.7	54.0				
	2483.750	64.3	74.0	-2.3	V	Horizontal	Pass
	2483.510	51.7	54.0				
802.11(n) MCS7							
Low Channel 1, 2412 MHz	2389.532	62.3	74.0	-3.5	H	on Side	Pass
	2389.982	50.5	54.0				
	2388.557	61.6	74.0	-4.4	V	Horizontal	Pass
High Channel 11, 2462 MHz	2389.412	49.6	54.0				
	2484.370	62.7	74.0	-3.4	H	on Side	Pass
	2483.550	50.6	54.0				
	2483.950	63.7	74.0	-2.5	V	Horizontal	Pass
	2483.510	51.5	54.0				

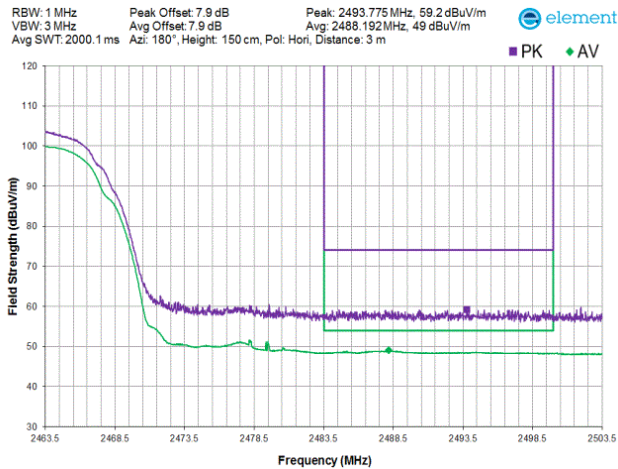
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



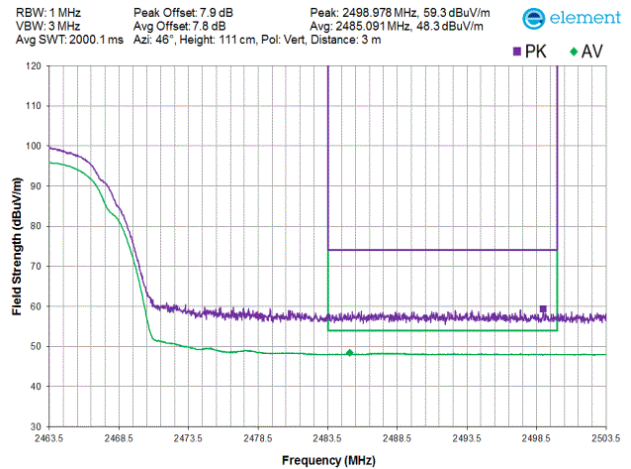
20 MHz BW
802.11(b) 1 Mbps
Low Channel 1, 2412 MHz



20 MHz BW
802.11(b) 1 Mbps
Low Channel 1, 2412 MHz

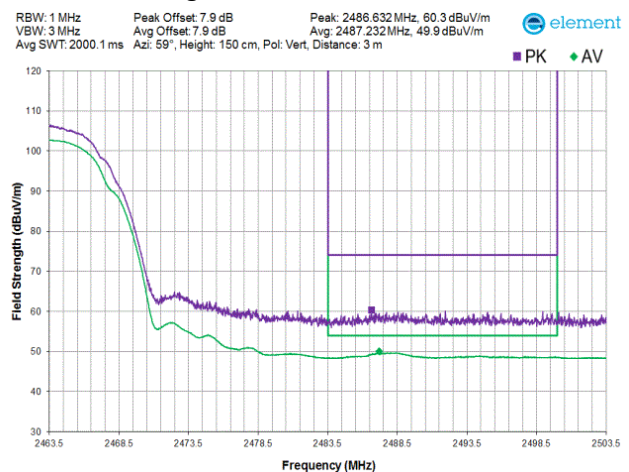
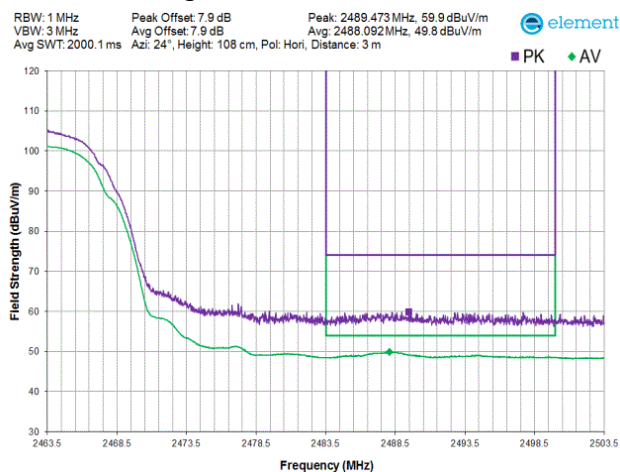
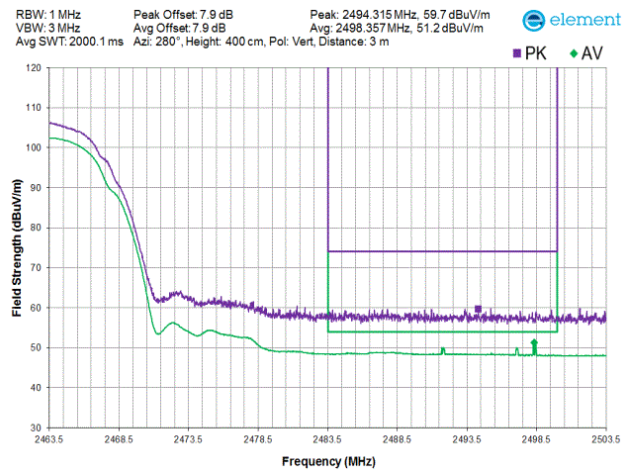
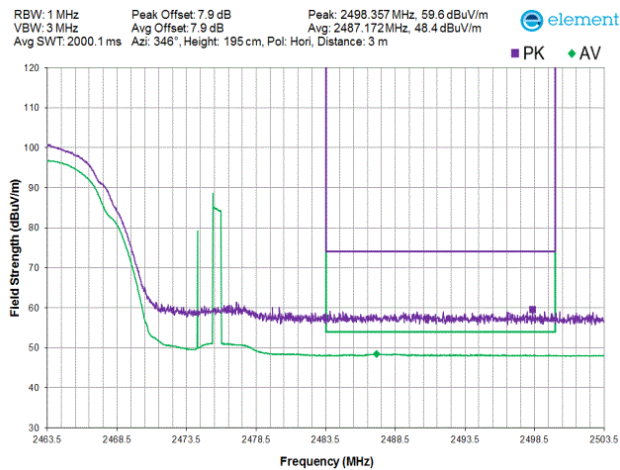


20 MHz BW
802.11(b) 1 Mbps
High Channel 11, 2462 MHz

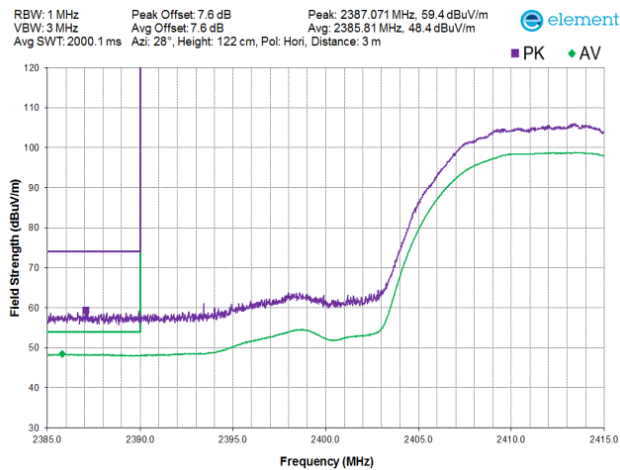


20 MHz BW
802.11(b) 1 Mbps
High Channel 11, 2462 MHz

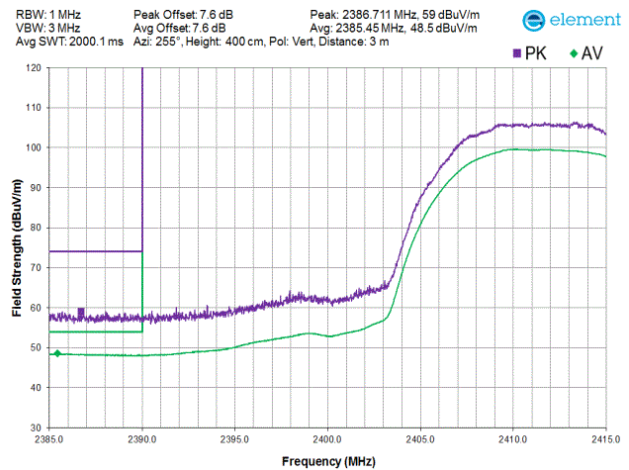
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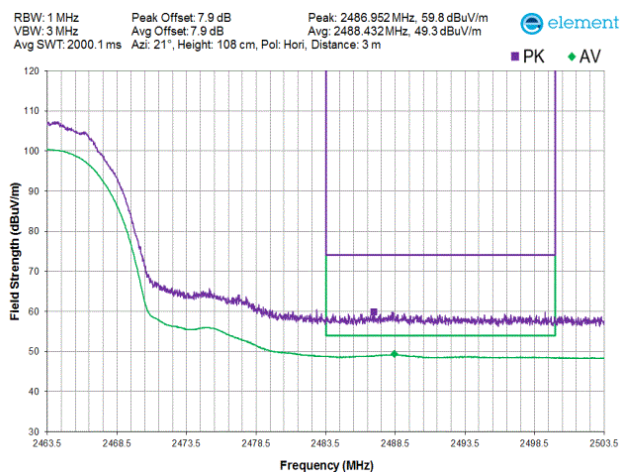
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



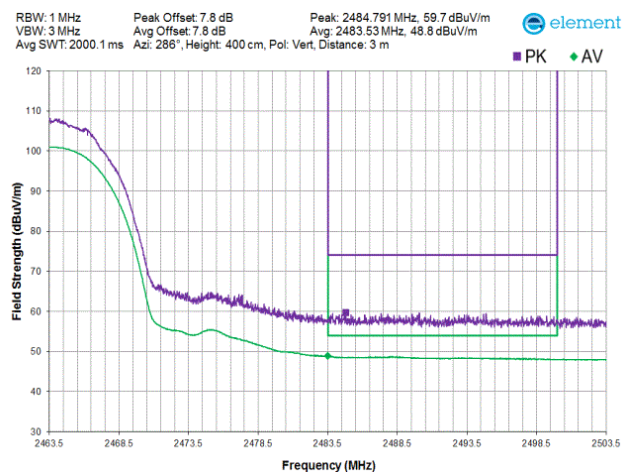
20 MHz BW
802.11(b) 11 Mbps
Low Channel 1, 2412 MHz



20 MHz BW
802.11(b) 11 Mbps
Low Channel 1, 2412 MHz

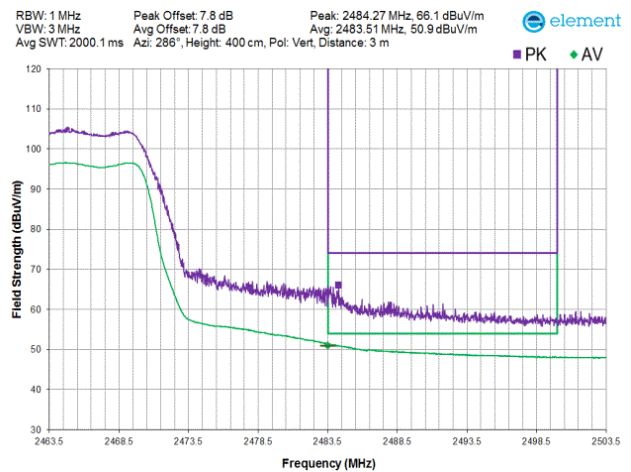
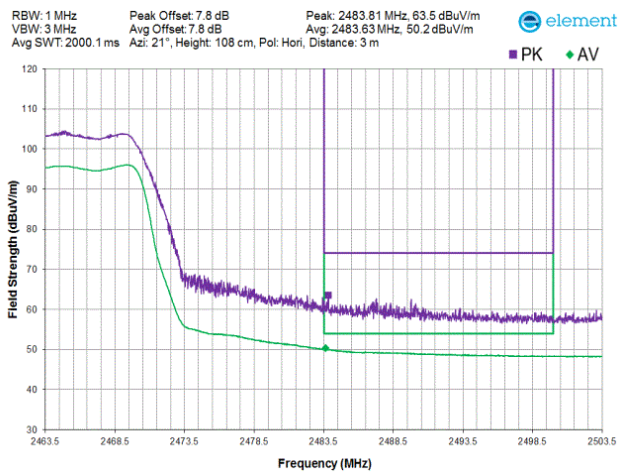
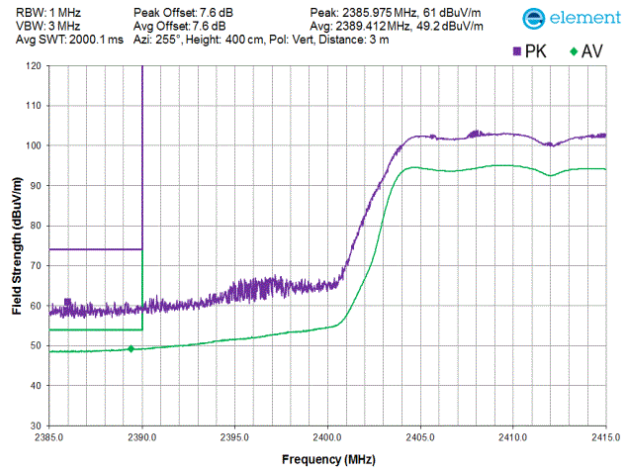
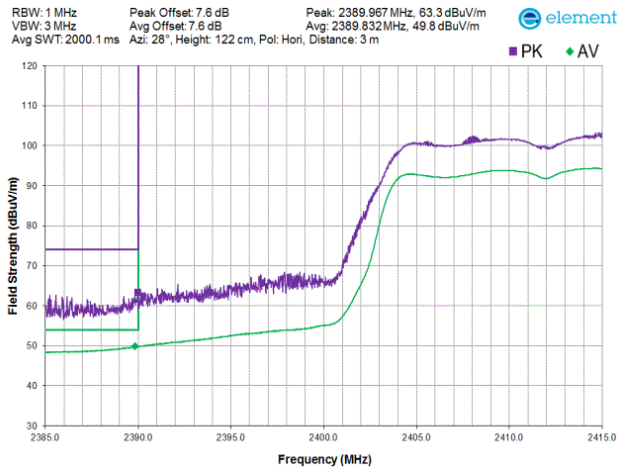


20 MHz BW
802.11(b) 11 Mbps
High Channel 11, 2462 MHz

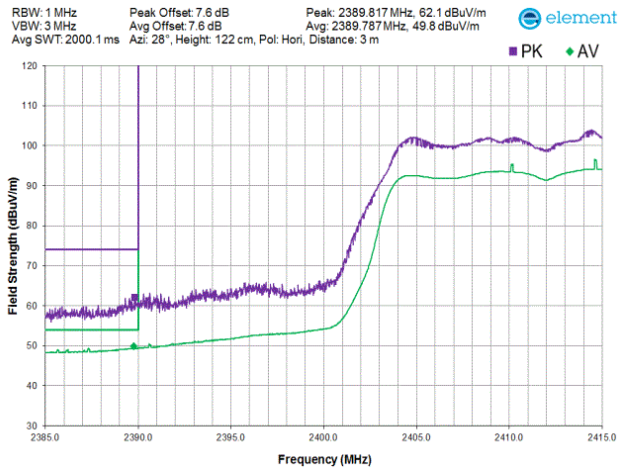


20 MHz BW
802.11(b) 11 Mbps
High Channel 11, 2462 MHz

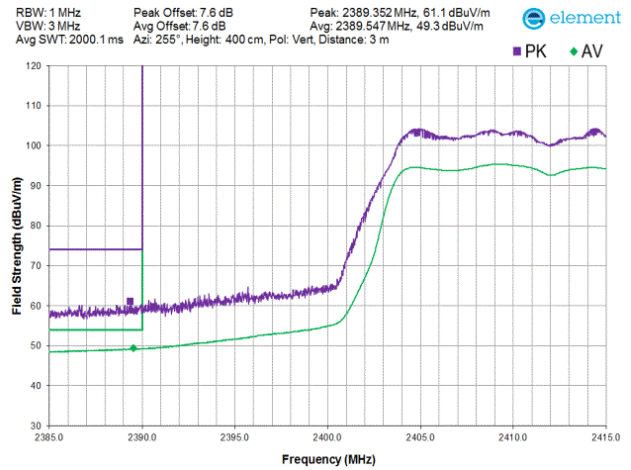
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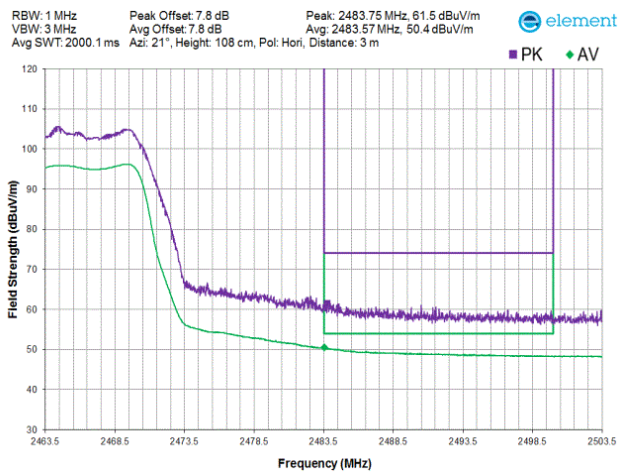
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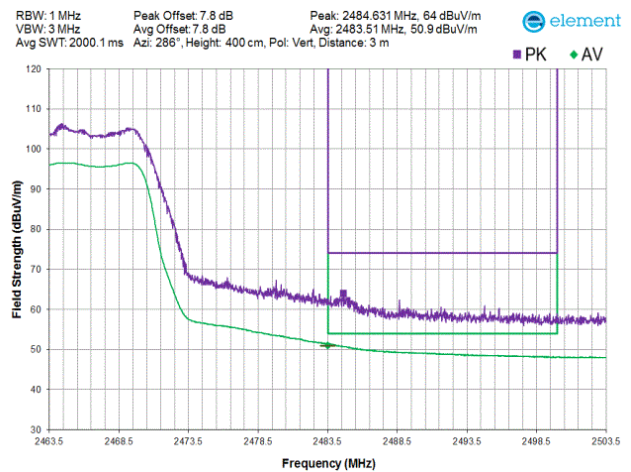
20 MHz BW
802.11(g) 36 Mbps
Low Channel 1, 2412 MHz



20 MHz BW
802.11(g) 36 Mbps
Low Channel 1, 2412 MHz

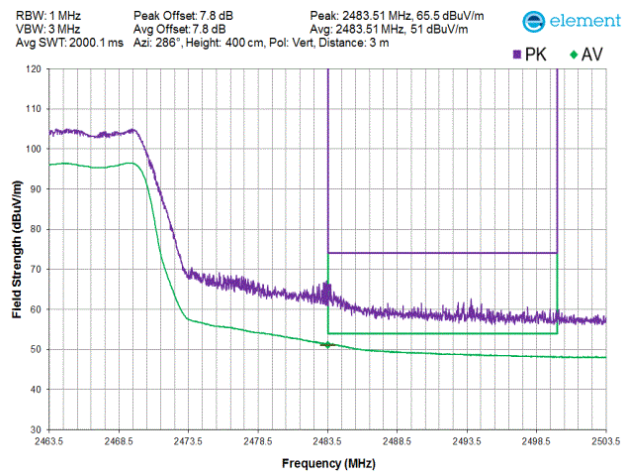
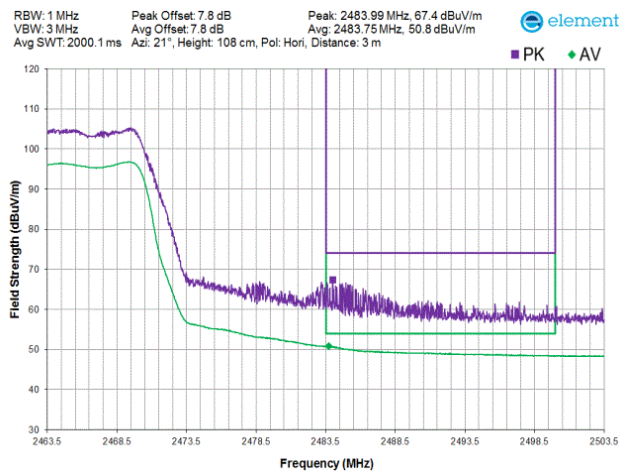
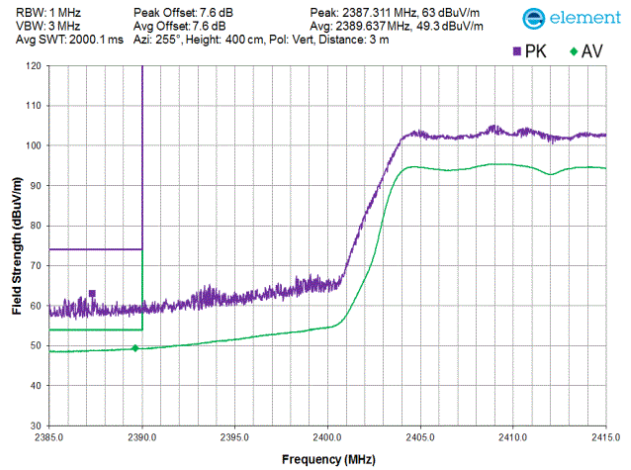
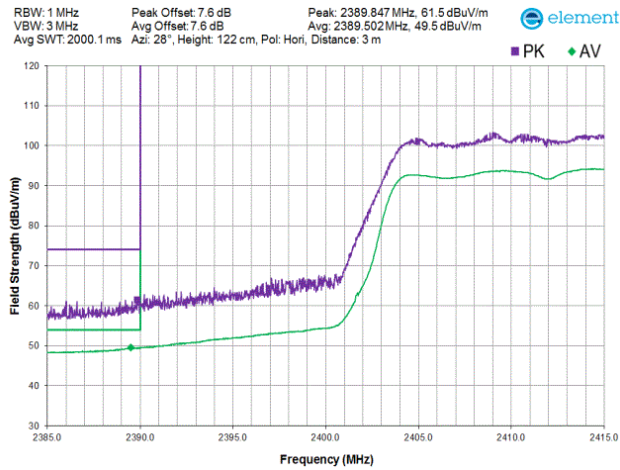


20 MHz BW
802.11(g) 36 Mbps
High Channel 11, 2462 MHz

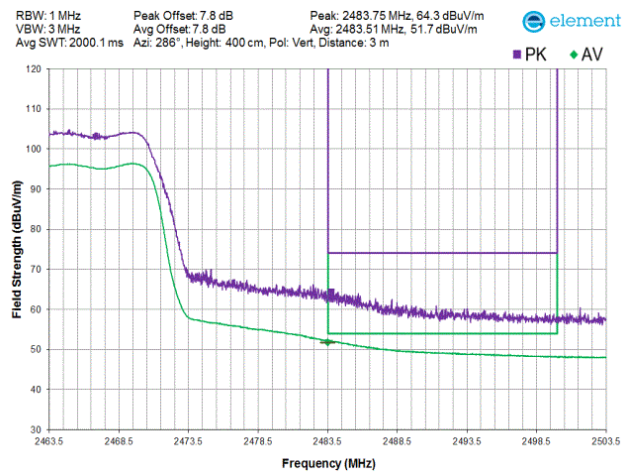
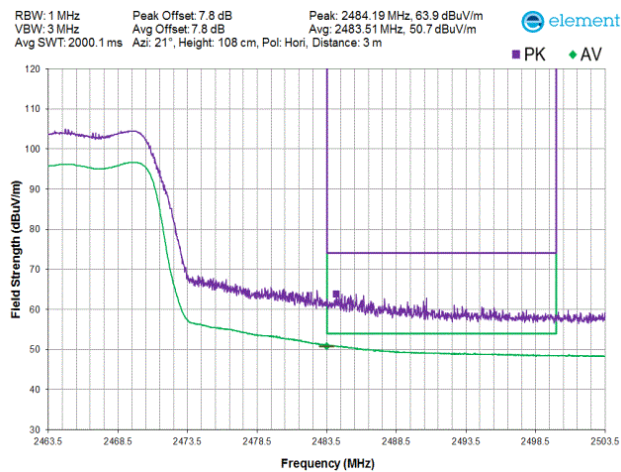
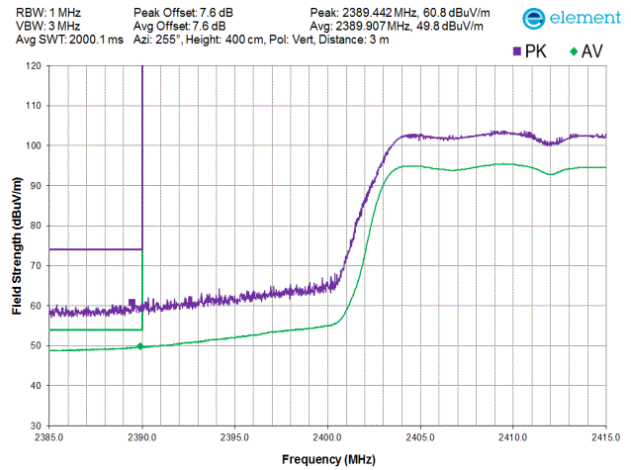
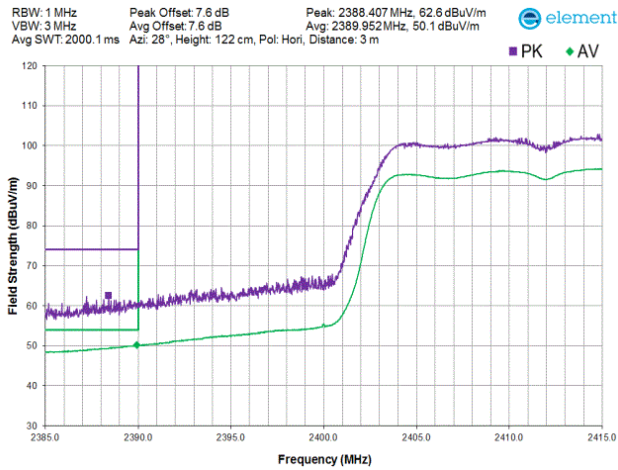


20 MHz BW
802.11(g) 36 Mbps
High Channel 11, 2462 MHz

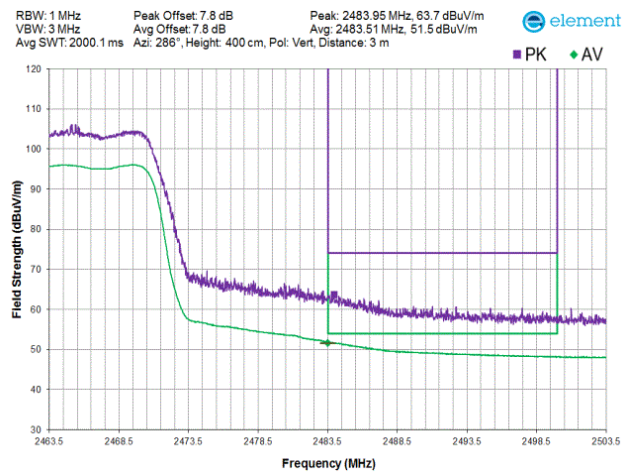
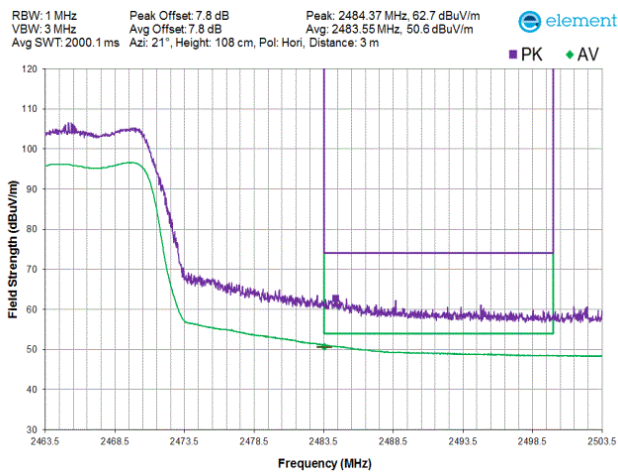
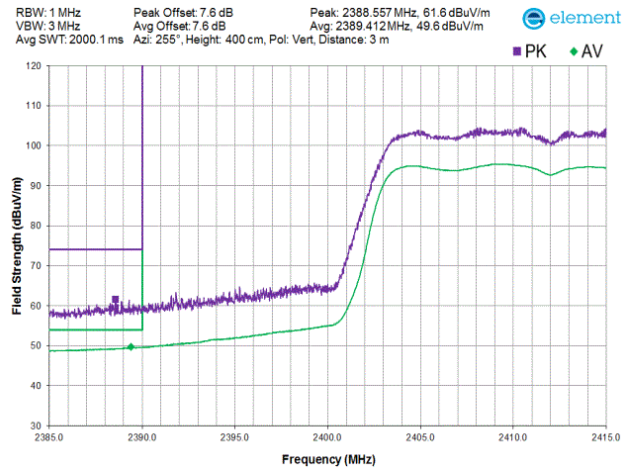
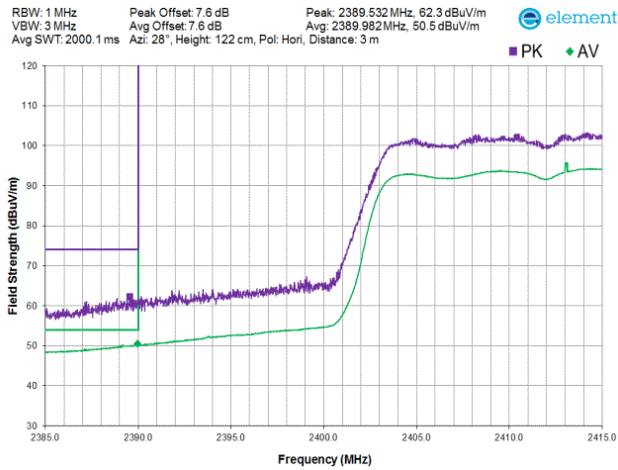
RADIATED SPURIOUS EMISSIONS RESTRICTED BAND EDGE



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End of Test Report