

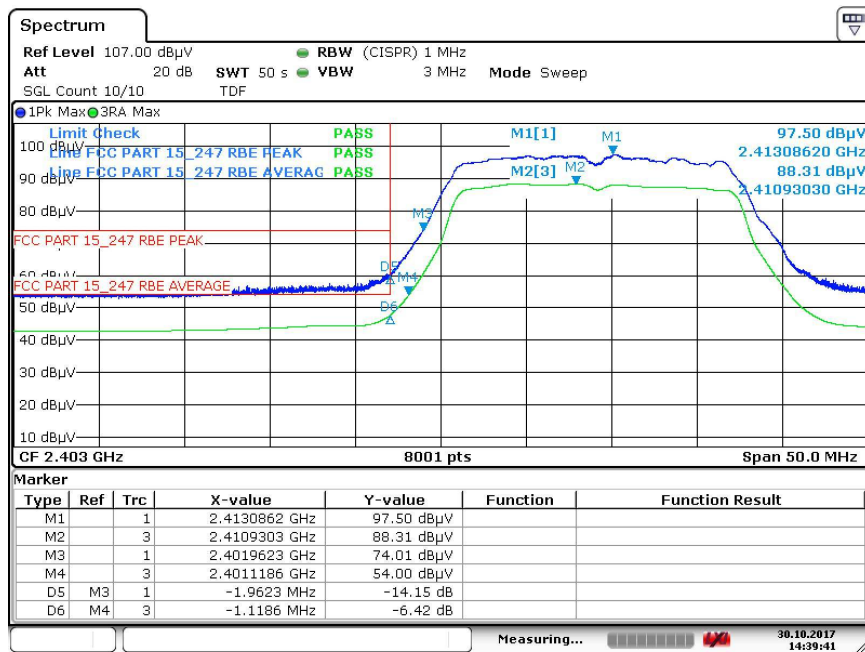


1100 E Chalk Creek Road
 Coalville, UT 84017
 (435) 336-4433
 FAX (435) 336-4436

Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	30 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Lower Edge - Vert - X-Axis



Date: 30.OCT.2017 14:39:41

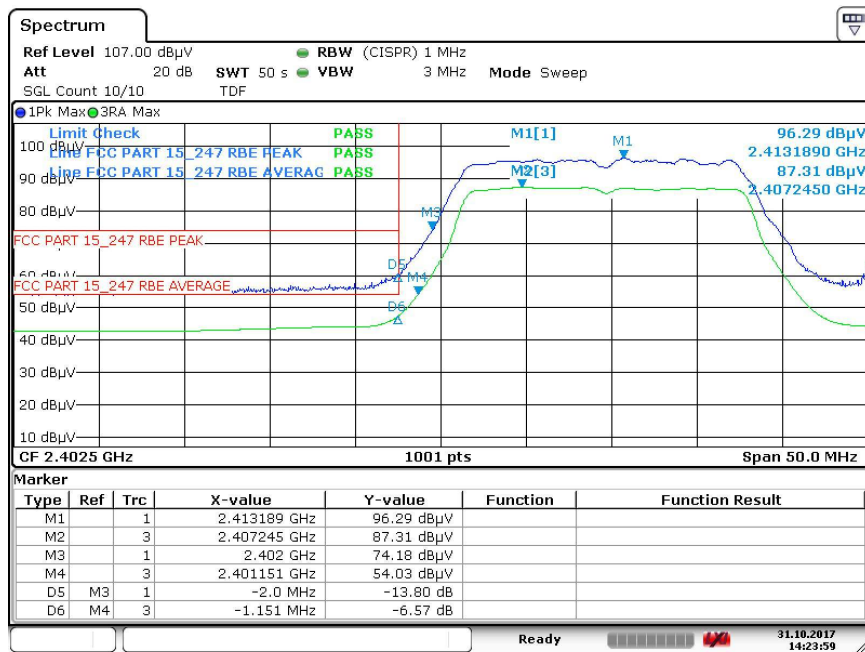


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Radiated Emissions (Bandedge)

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Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Lower Edge - Vert - Y-Axis



Date: 31.OCT.2017 14:23:59

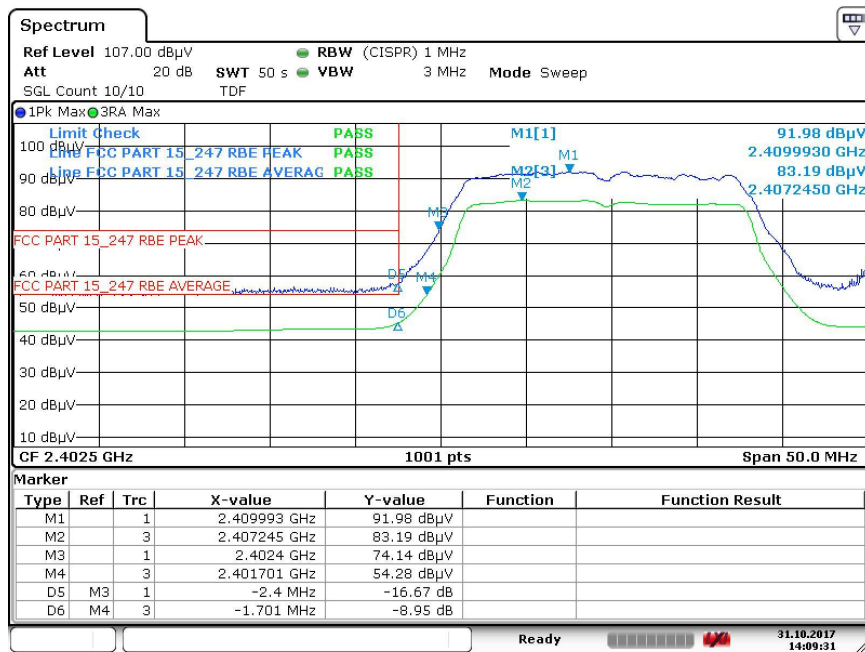


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Radiated Emissions (Bandedge)

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Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Lower Edge - Vert - Z-Axis



Date: 31.OCT.2017 14:09:31

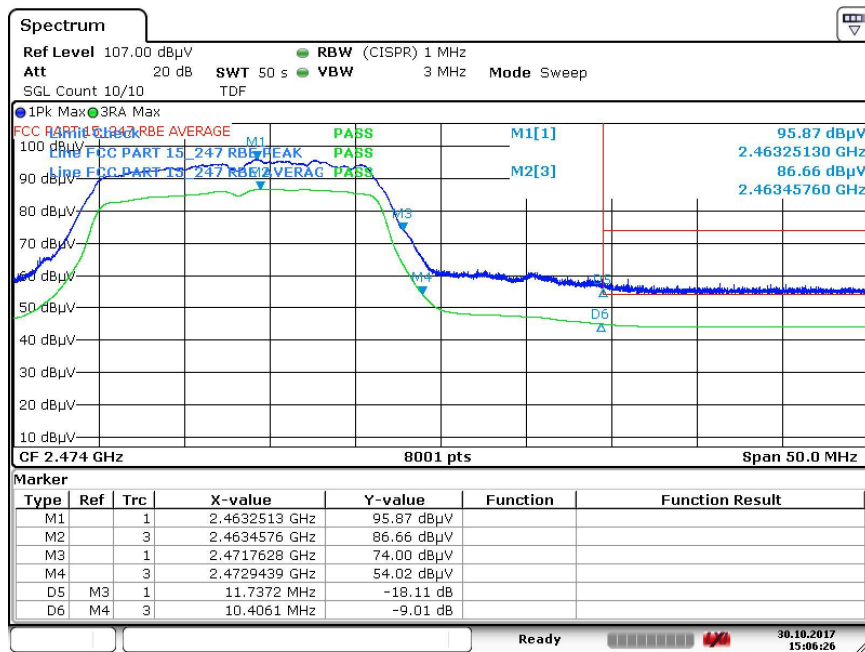


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	30 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Upper Edge - Horz - X-Axis



Date: 30.OCT.2017 15:06:26

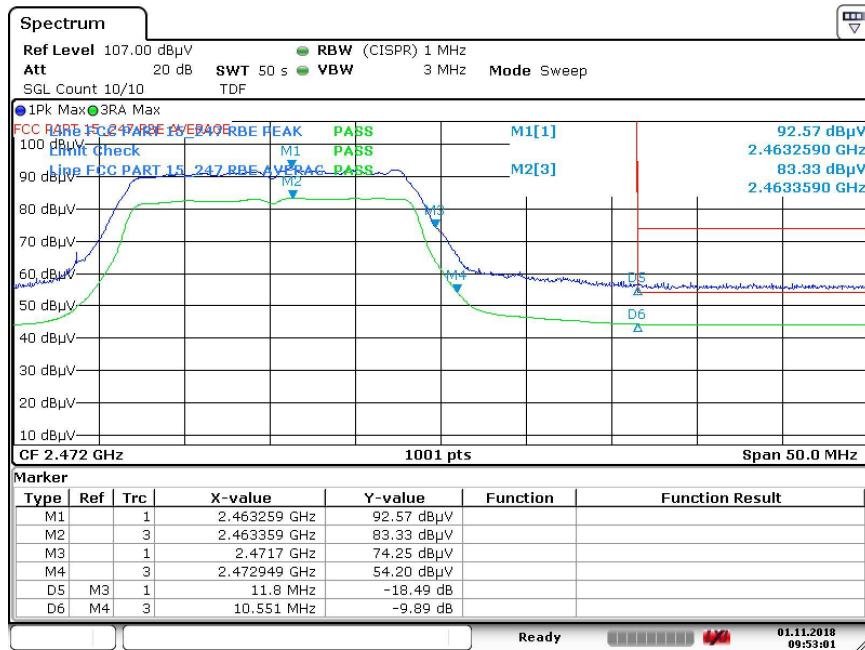


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	1 Nov 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Upper Edge - Horz - Y-Axis



Date: 1.NOV.2018 09:53:01

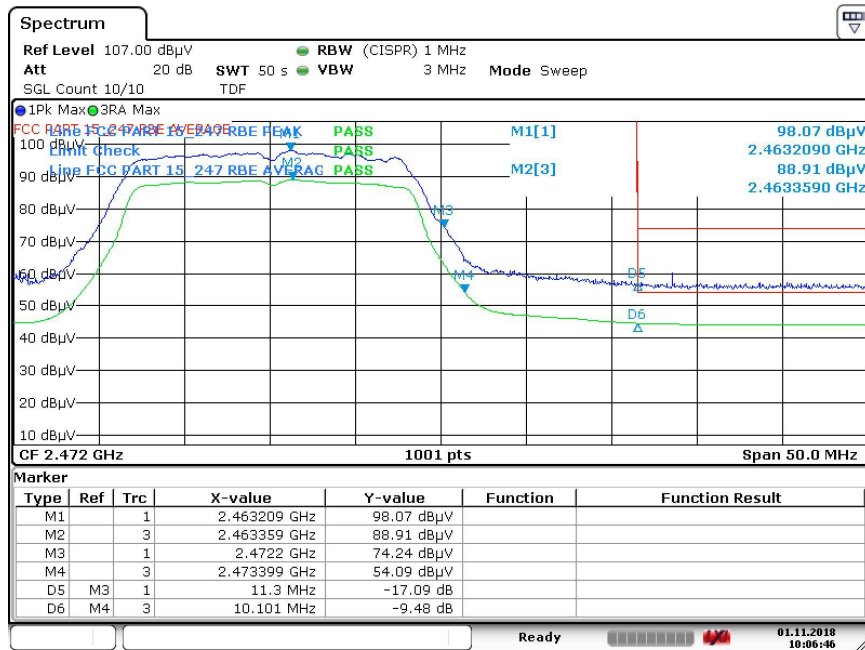


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	1 Nov 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Upper Edge - Horz - Z-Axis



Date: 1.NOV.2018 10:06:46

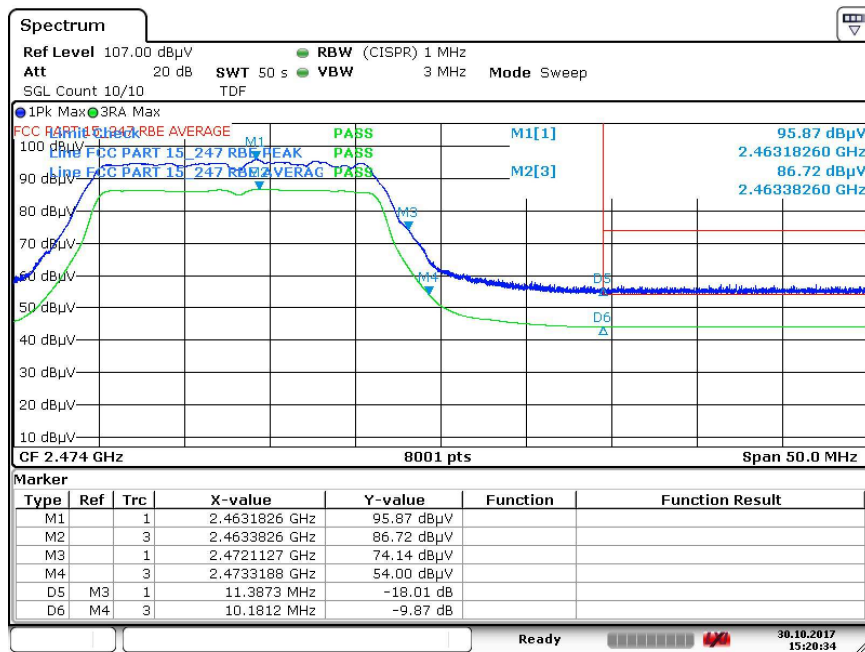


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	30 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Upper Edge - Vert - X-Axis



Date: 30.OCT.2017 15:20:34

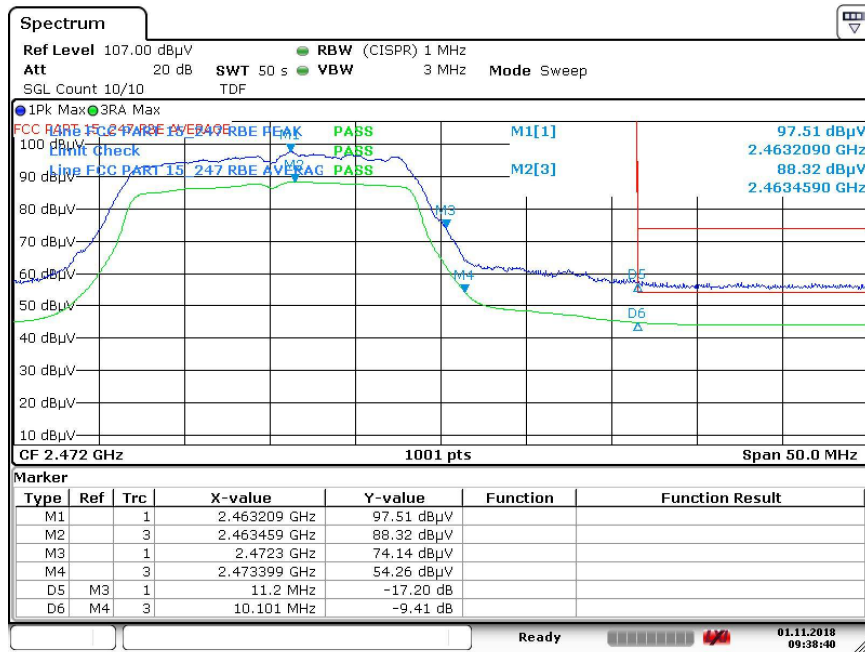


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	1 Nov 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Upper Edge - Vert - Y-Axis



Date: 1.NOV.2018 09:38:40

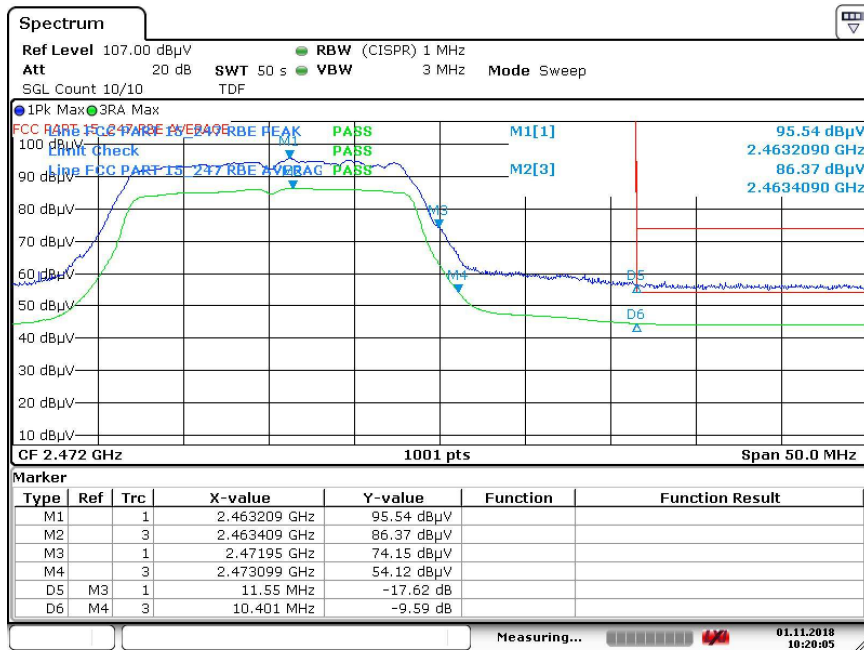


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	1 Nov 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11g			

Radiated Corrected Band Edge - Upper Edge - Vert - Z-Axis



Date: 1.NOV.2018 10:20:05

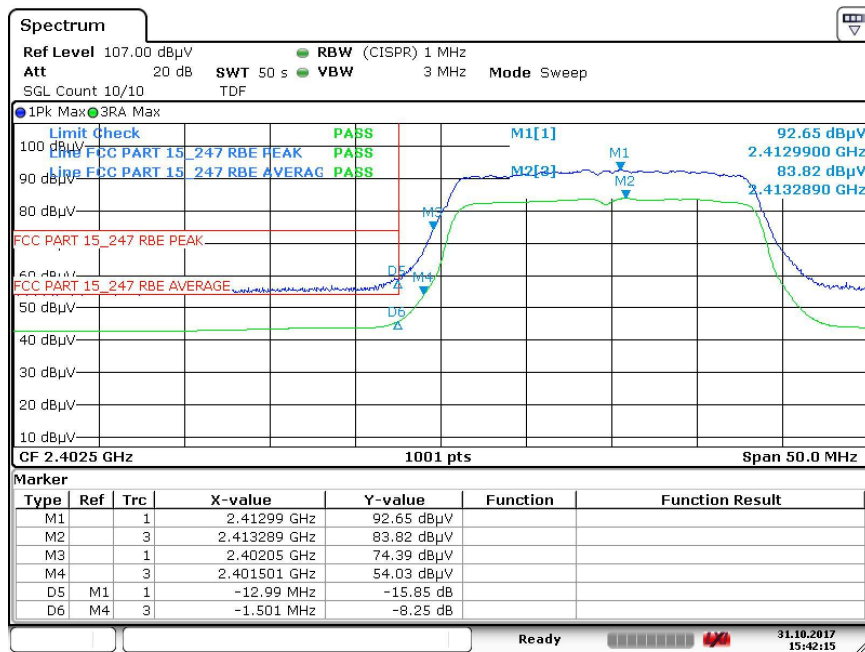


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	31 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Lower Edge - Horz - X-Axis



Date: 31.OCT.2017 15:42:15

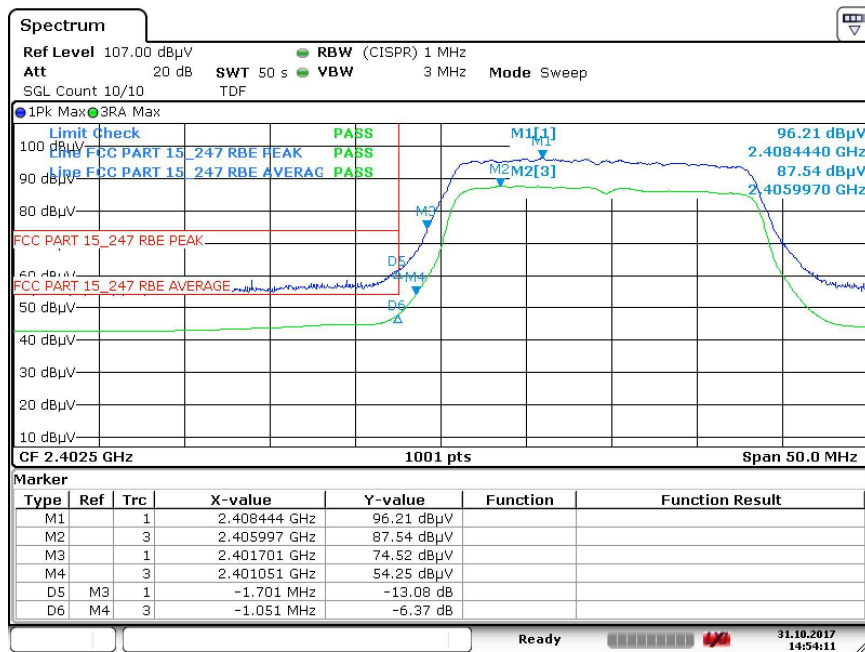


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	31 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Lower Edge - Horz - Y-Axis



Date: 31.OCT.2017 14:54:11

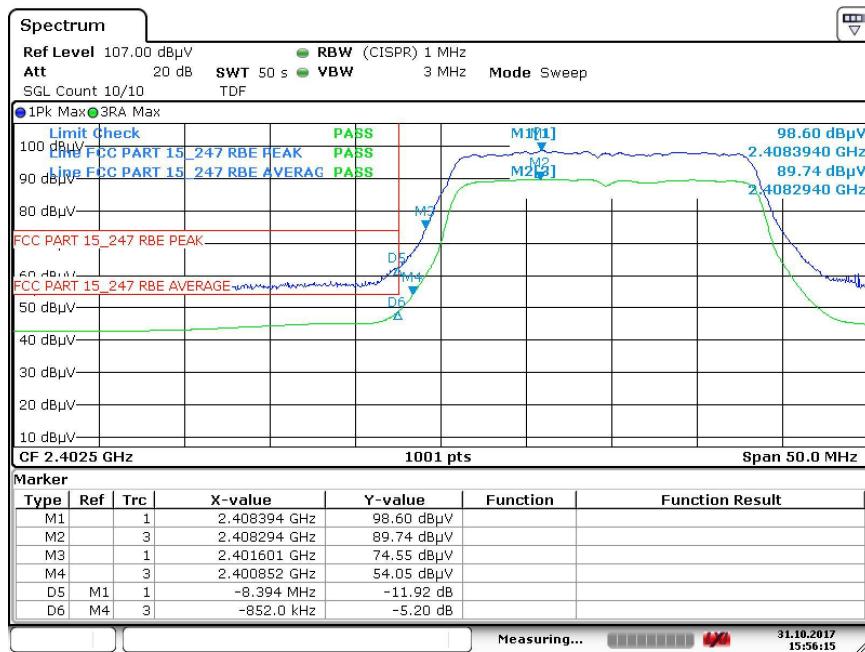


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	31 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Lower Edge - Horz - Z-Axis



Date: 31.OCT.2017 15:56:15

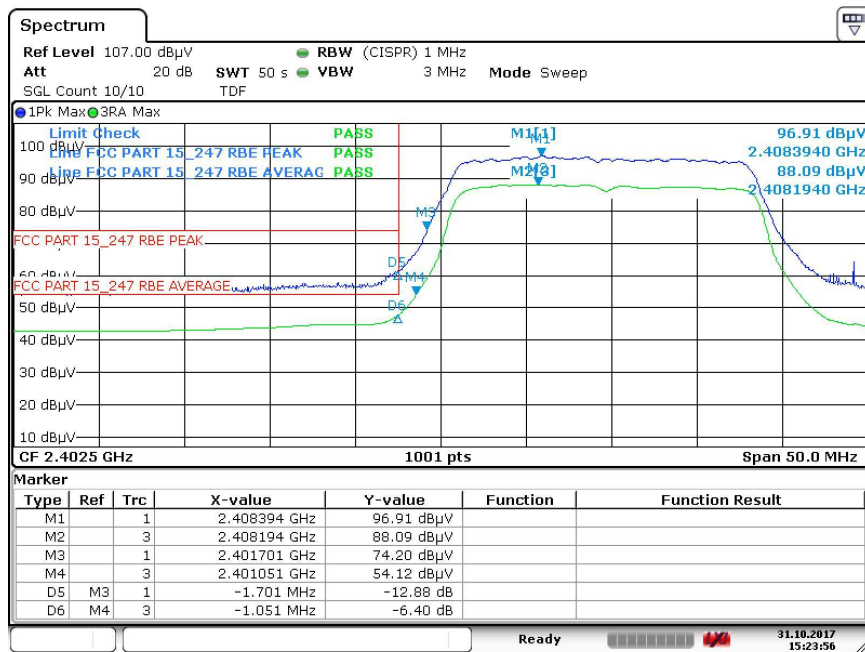


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	31 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Lower Edge - Vert - X-Axis



Date: 31.OCT.2017 15:23:56

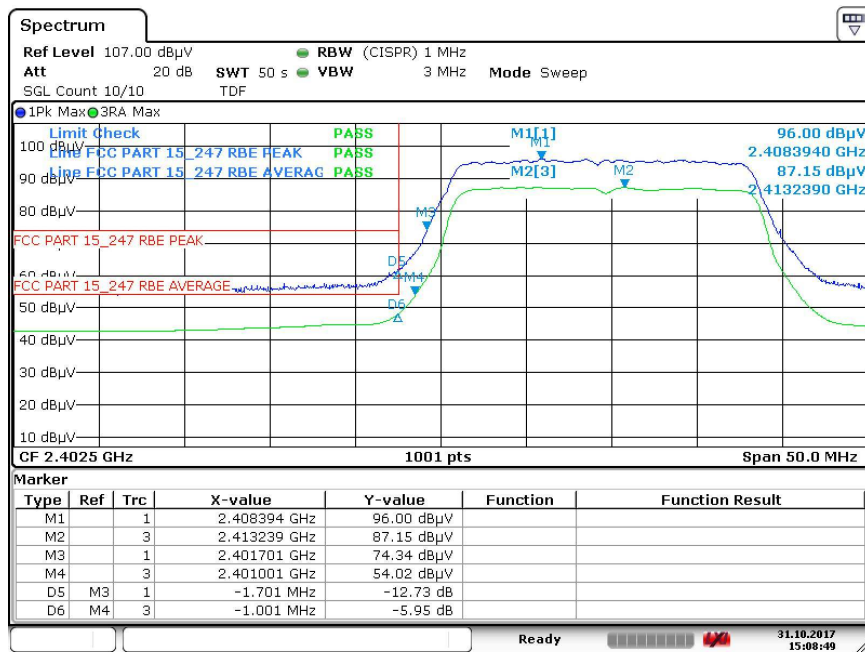


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	31 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Lower Edge - Vert - Y-Axis



Date: 31.OCT.2017 15:08:49

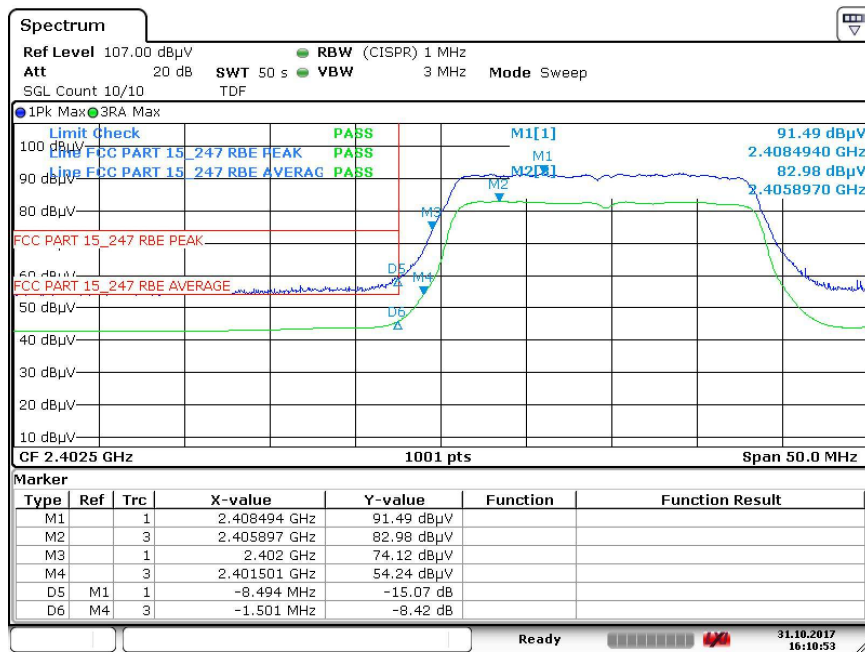


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	31 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Lower Edge - Vert - Z-Axis



Date: 31.OCT.2017 16:10:53

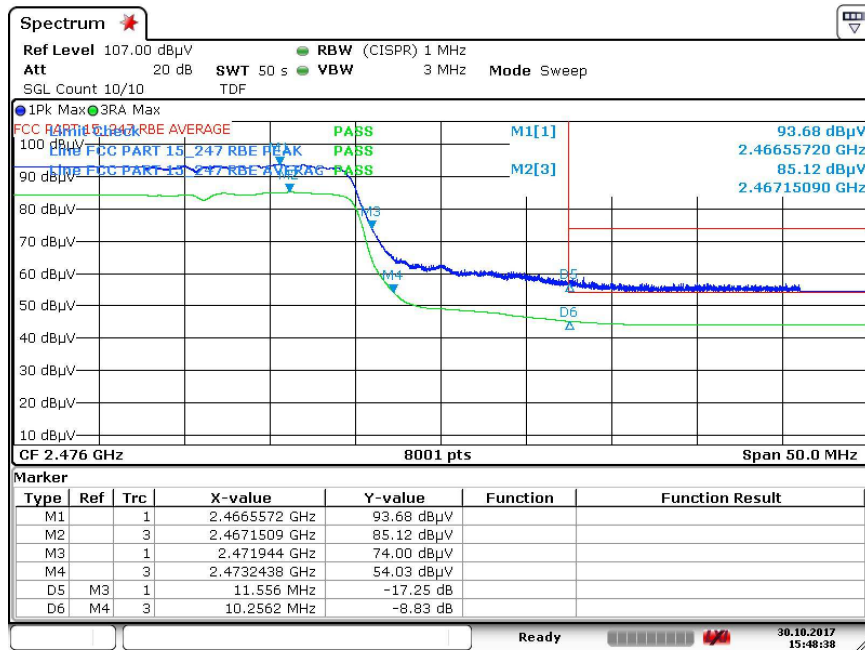


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	30 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Upper Edge - Horz - X-Axis



Date: 30.OCT.2017 15:48:37

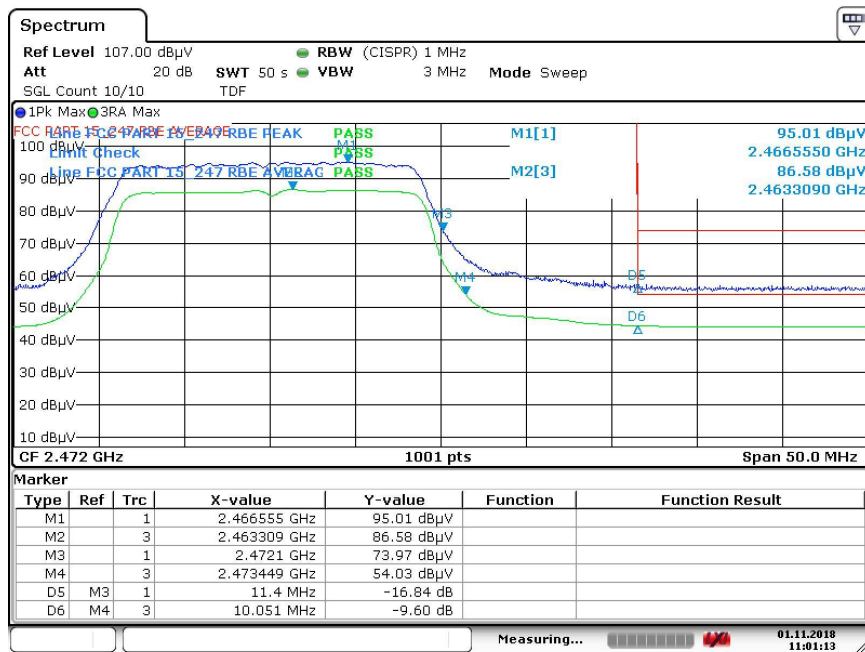


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	1 Nov 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Upper Edge - Horz - Y-Axis



Date: 1.NOV.2018 11:01:13

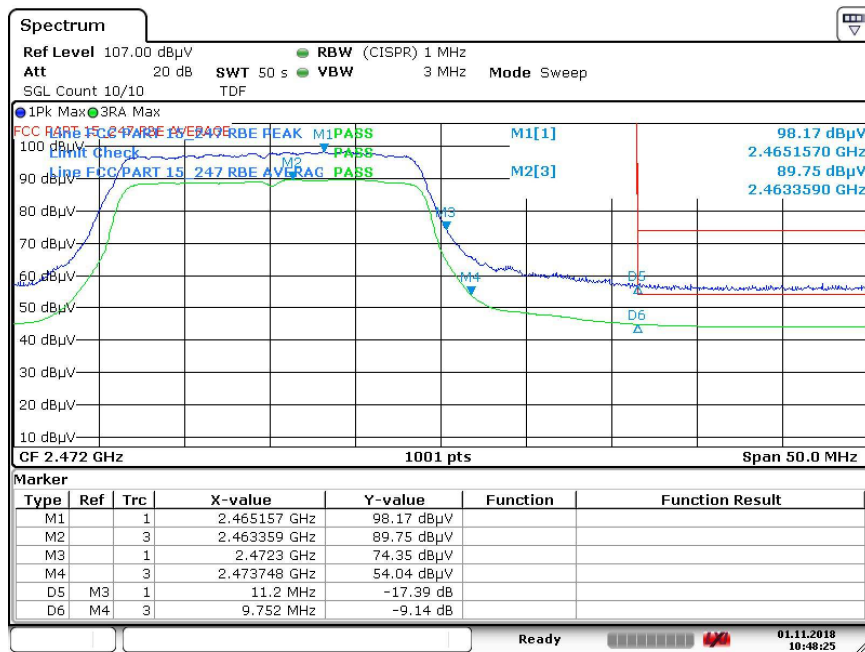


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	1 Nov 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Upper Edge - Horz - Z-Axis



Date: 1.NOV.2018 10:48:25

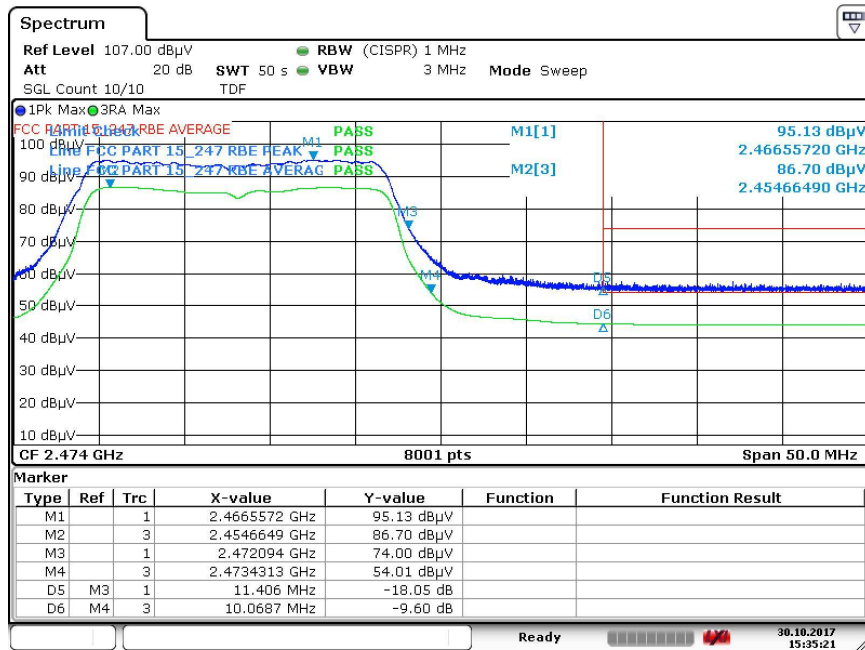


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	30 Oct 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Upper Edge - Vert - X-Axis



Date: 30.OCT.2017 15:35:21

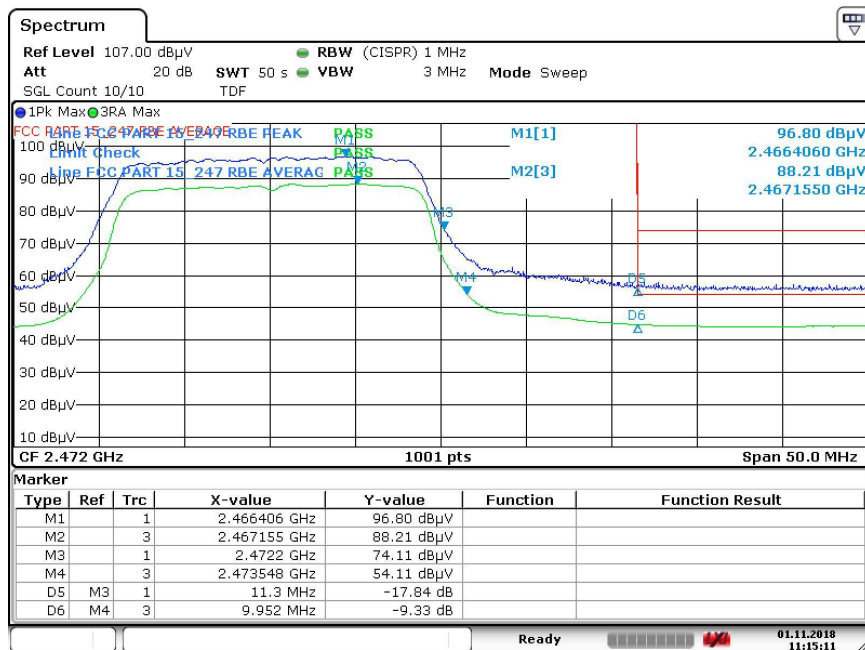


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	1 Nov 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Upper Edge - Vert - Y-Axis



Date: 1.NOV.2018 11:15:12

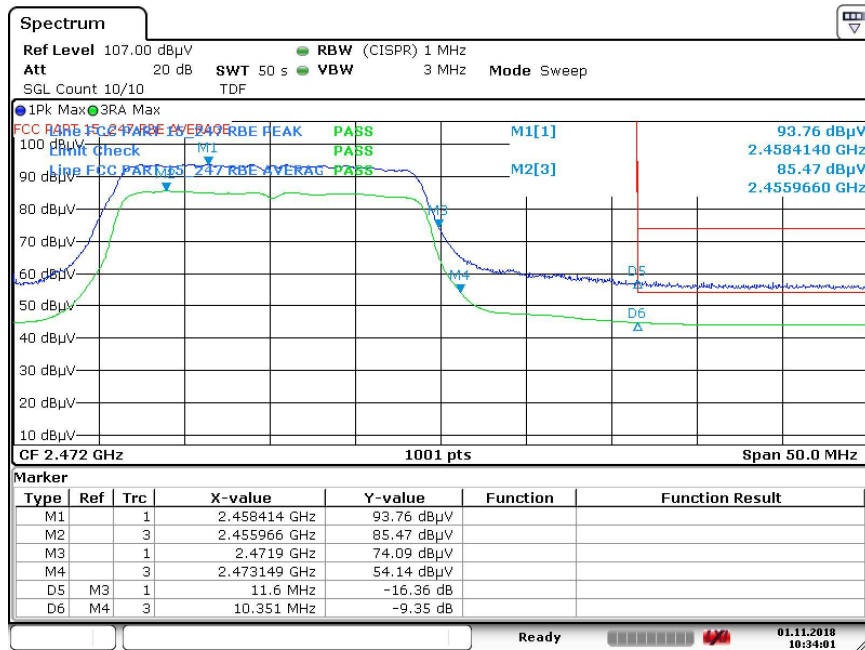


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Radiated Emissions (Bandedge)

DNB Job Number:	88022	Date:	1 Nov 2017	Specification [X] 15.247 (c) [X] ANSI C63.10-2013
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11n			

Radiated Corrected Band Edge - Upper Edge - Vert - Z-Axis



Date: 1.NOV.2018 10:34:01

15.247 (a,2) 6 dB Bandwidth

Test Procedure: ANSI C63.10-2013

6 dB Bandwidth

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 6 dB bandwidth, centered on a hopping channel

RBW 1% of the 6 dB bandwidth

VBW RBW

Sweep = auto

Detector function = peak

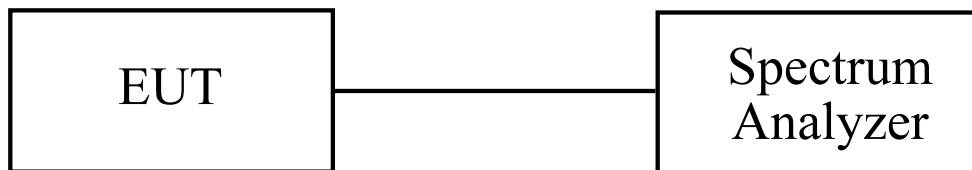
Trace = max hold


The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 6 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 6 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

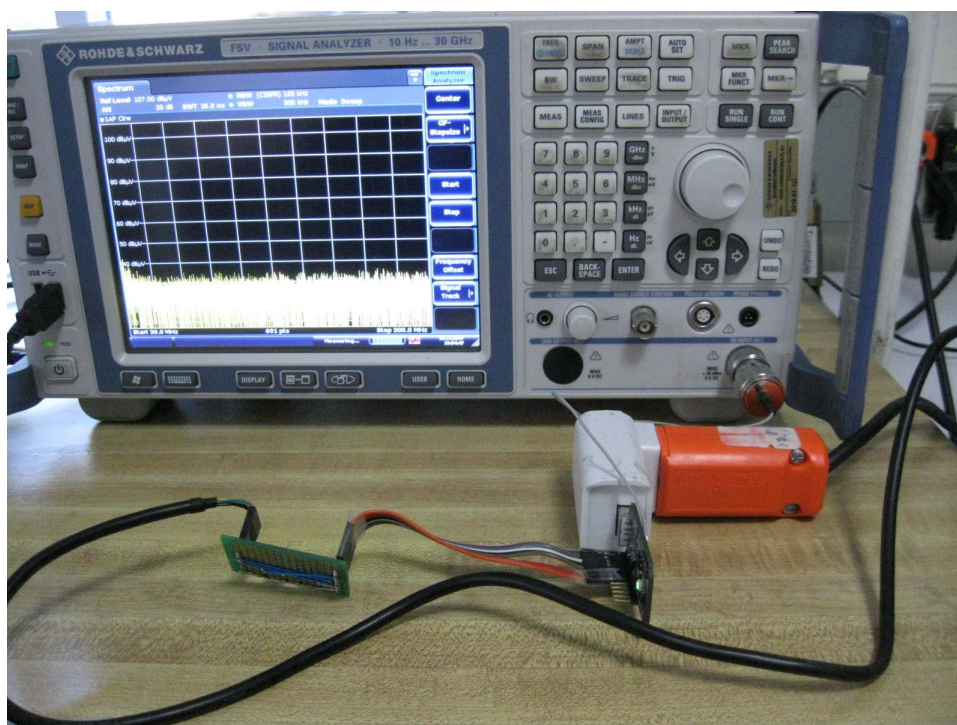
EUT operating conditions:


The software provided by the client to enable the EUT to transmit continuously.

Test Set Up: (Note following set up was used for all antenna conducted measurements)



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		Measurement Test Set Up	
DNB Job Number:	88022	Date:	29 Nov 2017	
Customer:	Orbit Irrigation Products Inc.			Conformance Standard
Model Number:	BH1	FCC Part 15		
Description:	WiFi Transmitter			Clause 15.247
Antenna Conducted Measurement Set Up				




	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		6 dB Single Channel Bandwidth	
DNB Job Number:	88022	Date:	29 Nov 2017	Conformance Standard FCC Part 15
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter			Clause 15.247(a,2)
	Test Procedure			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
25 °C		33 %		102.70 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				

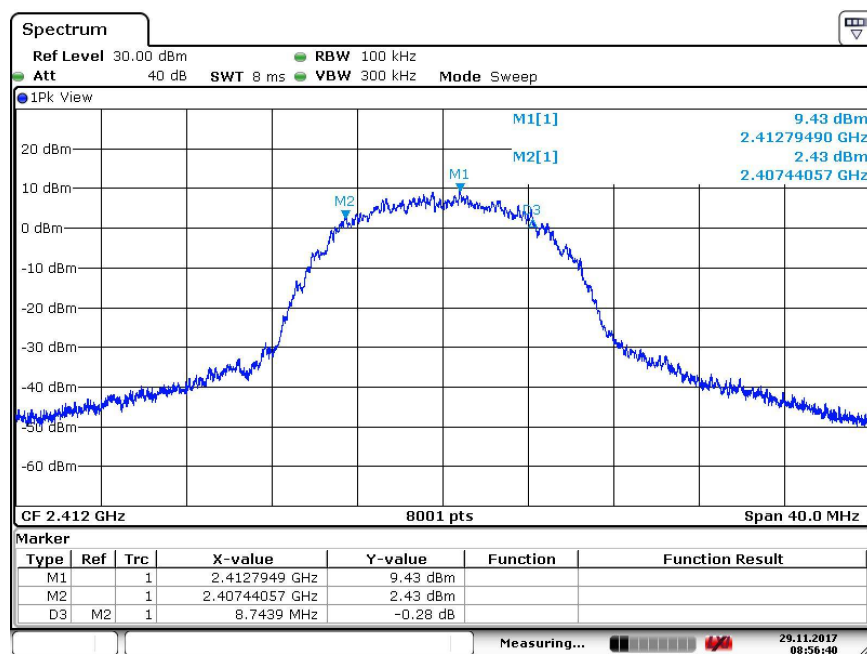
6 dB Bandwidth

ANSI C63.10-2013 Clause 11.8.1

The steps are as follows:

- a) Set RBW = 100 kHz
- b) Set the VBW \geq [3 x RBW]
* per ANSI C63.10-2013 clause 6.9.2 Set the span to 2 to 5 times the OBW
- c) Detector = peak
- d) Trace mode = max hold
- e) Sweep = auto couple
- f) Allow trace to stabilize
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.
- h) Submit this plot(s).

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		6 dB Single Channel Bandwidth	
DNB Job Number:	88022	Date:	29 Nov 2017	Conformance Standard FCC Part 15 Clause 15.247(a,2)
Customer:	Orbit Irrigation Products Inc.			
Model Number:	BH1			
Description:	WiFi Transmitter 802.11b			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
25 °C		32 %		102.70 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	6dB BW (kHz)	Limit	Pass/Fail
Low	2412	8743.900	> 500 kHz	Pass



Date: 29.NOV.2017 08:56:40