Lytx, Inc.

DC-6000-001

FCC 15.207:2017

FCC 15.247:2017

802.11bgn SISO Radio

Report # LYTX0018.1

NVLAP Lab Code: 200676-0

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CERTIFICATE OF TEST

2017-1-25

Last Date of Test: March 16, 2017
Lytx, Inc.
Model: DC-6000-001

Radio Equipment Testing

Standards

Specification	Method
FCC 15.207:2017	ANSI C63.10:2013, KDB 558074
FCC 15.247:2017	

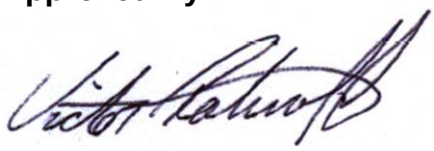
Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	Yes	Pass	
6.5, 6.6, 11.12.1, 11.13.2	Spurious Radiated Emissions	Yes	Pass	
11.6	Duty Cycle	Yes	Pass	
11.8.2	Occupied Bandwidth	Yes	Pass	
11.9.2.2.4	Output Power	Yes	Pass	
11.10.2	Power Spectral Density	Yes	Pass	
11.11	Band Edge Compliance	Yes	Pass	
11.11	Spurious Conducted Emissions	Yes	Pass	

Deviations From Test Standards

None

Approved By:



Victor Ratinoff, Operations Manager

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.

REVISION HISTORY

Revision Number	Description	Date	Page Number
00	None		

ACCREDITATIONS AND AUTHORIZATIONS

2017.1.25

United States

FCC - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

A2LA - Accredited by A2LA to ISO / IEC 17065 as a product certifier. This allows Element to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

ISED - Recognized by Innovation, Science and Economic Development Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with ISED.

European Union

European Commission – Validated by the European Commission as a Notified Body under the R&TTE Directive.

Australia/New Zealand

ACMA - Recognized by ACMA as a CAB for the acceptance of test data.

Korea

MSIP / RRA - Recognized by KCC's RRA as a CAB for the acceptance of test data.

Japan

VCCI - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

Taiwan

BSMI – Recognized by BSMI as a CAB for the acceptance of test data.

NCC - Recognized by NCC as a CAB for the acceptance of test data.

Singapore

IDA – Recognized by IDA as a CAB for the acceptance of test data.

Israel

MOC – Recognized by MOC as a CAB for the acceptance of test data.

Hong Kong

OFCA – Recognized by OFCA as a CAB for the acceptance of test data.

Vietnam

MIC – Recognized by MIC as a CAB for the acceptance of test data.

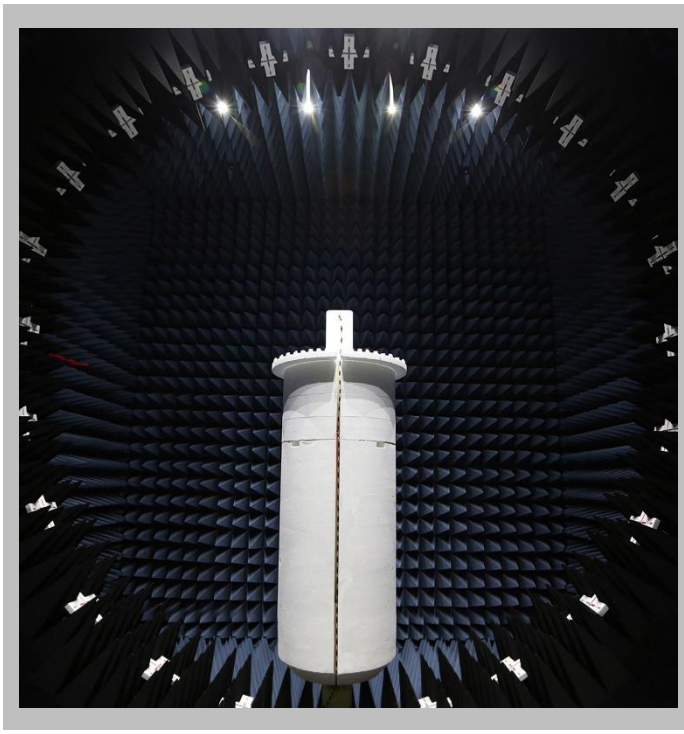
SCOPE

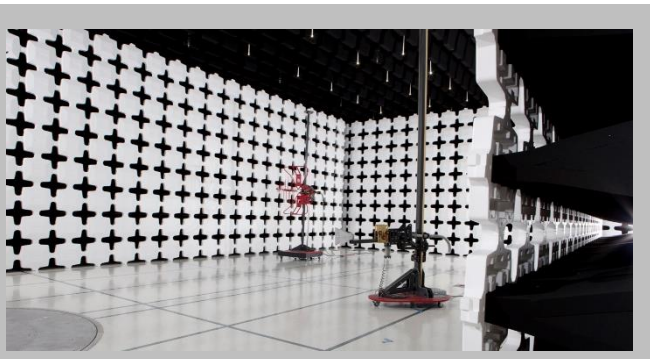
For details on the Scopes of our Accreditations, please visit:
http://portlandcustomer.element.com/ts/scope/scope.htm
http://gsi.nist.gov/global/docs/cabs/designations.html

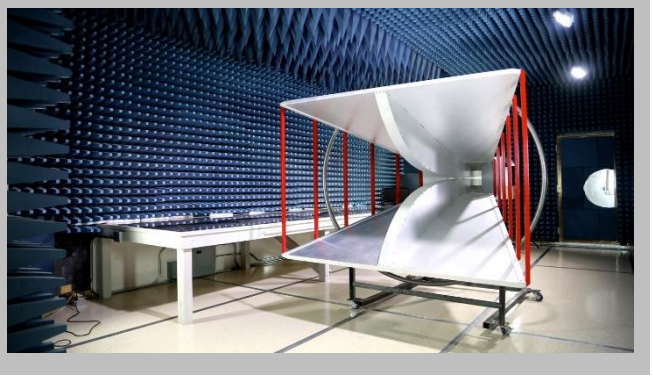
FACILITIES

2017.3.2

California	Minnesota	New York	Oregon	Texas	Washington
Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214	Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	Labs NC01-05 19201 120th Ave NE Bothell, WA 98011 (425)984-6600
NVLAP					
NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200630-0	NVLAP Lab Code:201049-0	NVLAP Lab Code: 200629-0
Innovation, Science and Economic Development Canada					
2834B-1, 2834B-3	2834E-1	N/A	2834D-1, 2834D-*2*	2834G-1	2834F-1
BSMI					
SL2-IN-E-1154R	SL2-IN-E-1152R	N/A	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R
VCCI					
A-0029	A-0109	N/A	A-0108	A-0201	A-0110
Recognized Phase I CAB for ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA					
US0158	US0175	N/A	US0017	US0191	US0157







MEASUREMENT UNCERTAINTY

TMU.2015.07.10

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.

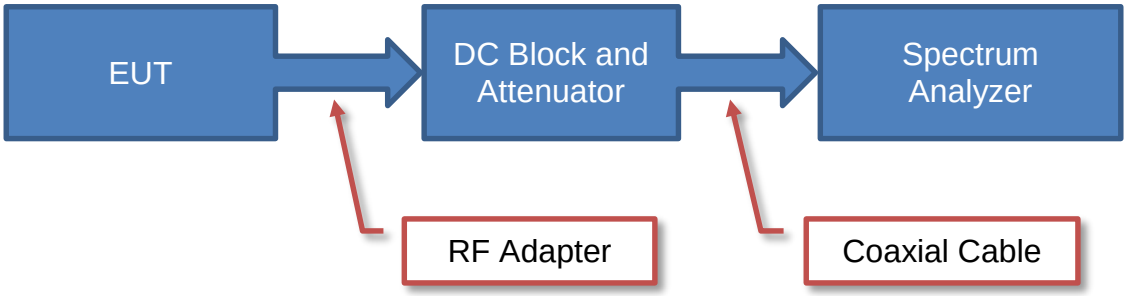
A measurement uncertainty estimation has been performed for each test per our internal quality document QM205.4.6. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) can be found included as part of the applicable test description page. 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.

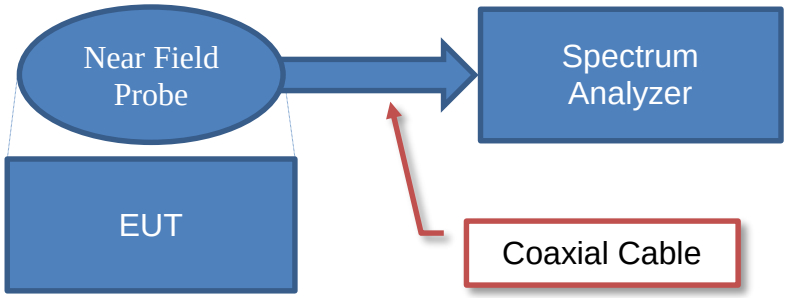
Test	+ MU	- MU
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.2 dB	-1.2 dB
Conducted Power (dB)	0.3 dB	-0.3 dB
Radiated Power via Substitution (dB)	0.7 dB	-0.7 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	5.2 dB	-5.2 dB
AC Powerline Conducted Emissions (dB)	2.4 dB	-2.4 dB

Test Setup Block Diagrams

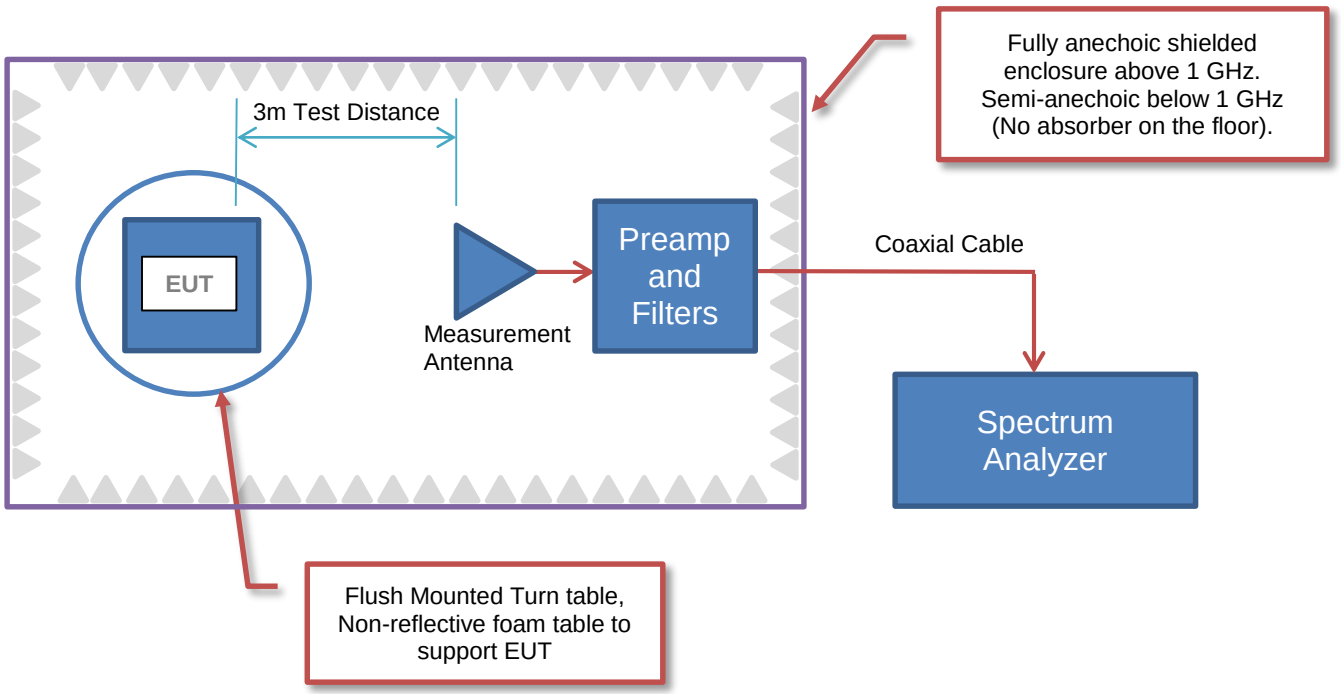
Antenna Port Conducted Measurements



Near Field Test Fixture Measurements



Spurious Radiated Emissions



PRODUCT DESCRIPTION

Client and Equipment Under Test (EUT) Information

Company Name:	Lytx, Inc.
Address:	9785 Towne Centre Drive
City, State, Zip:	San Diego, CA 92121
Test Requested By:	Angel Valdes
Model:	DC-6000-001
First Date of Test:	March 14, 2017
Last Date of Test:	March 16, 2017
Receipt Date of Samples:	March 8, 2017
Equipment Design Stage:	Production
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:
Vehicle based Event Recorder with WiFi/BLE transceiver and Cellular Modem (FCC ID: N7NWP7)

Testing Objective:
To demonstrate compliance of the 802.11bgn SISO radio under FCC 15.247 for operation in the 2.4 GHz band.

CONFIGURATIONS

2017-1-25

Configuration LYTX0018- 1

Software/Firmware Running during test	
Description	**Version**
PuTTY	0.62.0.0

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
In-Vehicle Camera	Lytx, Inc.	DC-6000-001	SF00000634

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Laptop	Dell	Latitude D600	CN-0X3677-48645-743-3729
Laptop Power Supply	Dell	DA90PS0-00	CN-0XD757-48661-619-0BJJ
DC Power Source	HQ Power	PS3003U	DK10103872

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
DC Cable	No	5.0m	No	In-Vehicle Camera	DC Power Source
AC Cable	No	1.8m	No	AC Mains	Laptop Power Supply
DC Cable	No	2.0m	Yes	Laptop	Laptop Power Supply
AC Cable	No	1.8m	No	AC Mains	DC Power Source
Serial Cable	No	3.0m	No	In-Vehicle Camera	Laptop

CONFIGURATIONS

2017-1-25

Configuration LYTX0018- 2

Software/Firmware Running during test	
Description	**Version**
PuTTY	0.62.0.0

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
In-Vehicle Camera	Lytx, Inc.	DC-6000-001	SF00000632

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Laptop	Dell	Latitude D600	CN-0X3677-48645-743-3729
Laptop Power Supply	Dell	DA90PS0-00	CN-0XD757-48661-619-0BJJ
DC Power Source	HQ Power	PS3003U	DK10103872

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
DC Cable	No	5.0m	No	In-Vehicle Camera	DC Power Source
AC Cable	No	1.8m	No	AC Mains	Laptop Power Supply
DC Cable	No	2.0m	Yes	Laptop	Laptop Power Supply
AC Cable	No	1.8m	No	AC Mains	DC Power Source
Serial Cable	No	3.0m	No	In-Vehicle Camera	Laptop

MODIFICATIONS

2017-1-25

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	3/14/2017	Duty Cycle	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	3/14/2017	Occupied Bandwidth	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	3/14/2017	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.
4	3/14/2017	Power Spectral Density	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	3/14/2017	Band Edge Compliance	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
6	3/14/2017	Spurious 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.
7	3/16/2017	Powerline Conducted Emission	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Element following the test.
8	3/16/2017	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

POWERLINE CONDUCTED EMISSIONS

PSA-ESCI 2017.01.26

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.

MODES OF OPERATION

Mid channel (6) 2437 MHz

POWER SETTINGS INVESTIGATED

14VDC

CONFIGURATIONS INVESTIGATED

LYTX0018 - 1

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Receiver	Rohde & Schwarz	ESCI	ARG	6/9/2016	12 mo
LISN	Solar Electronics	9252-50-24-BNC	LIA	2/17/2017	12 mo
Cable - Conducted Cable	Element	OCP, HFP, AWC	OCPA	4/4/2016	12 mo

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	BWI (kHz)
0.15 - 30.0	1.0
30.0 - 400.0	10.0
400.0 - 1000.0	100.0
1000.0 - 6000.0	1000.0

MEASUREMENT UNCERTAINTY

A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

The EUT will be powered either directly or indirectly from the AC power line. Therefore, conducted emissions measurements were made on the AC input of the EUT, or on the AC input of the device used to power the EUT. The AC power line conducted emissions were measured with the EUT operating at the middle channel in the operational band in a receive mode of operation. For each mode, the spectrum was scanned from 150 kHz to 30 MHz. The test setup and procedures were in accordance with ANSI C63.10.

POWERLINE CONDUCTED EMISSIONS

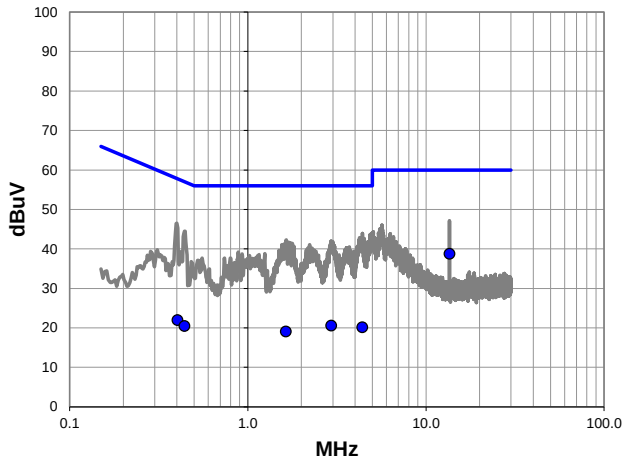
EmiR5 2017.01.25 PSA-ESCI 2017.01.26

Work Order:	LYTX0018	**Date:**	03/16/17		
Project:	None	**Temperature:**	22.8 °C		
Job Site:	OC06	**Humidity:**	50.7% RH		
Serial Number:	SF00000634	**Barometric Pres.:**	1020 mbar	**Tested by:**	Johnny Candelas, Salvador Solorzano
EUT:	DC-6000-001				
Configuration:	1				
Customer:	Lytx, Inc.				
Attendees:	None				
EUT Power:	14VDC				
Operating Mode:	Mid channel (6) 2437 MHz				
Deviations:	None				
Comments:	None				

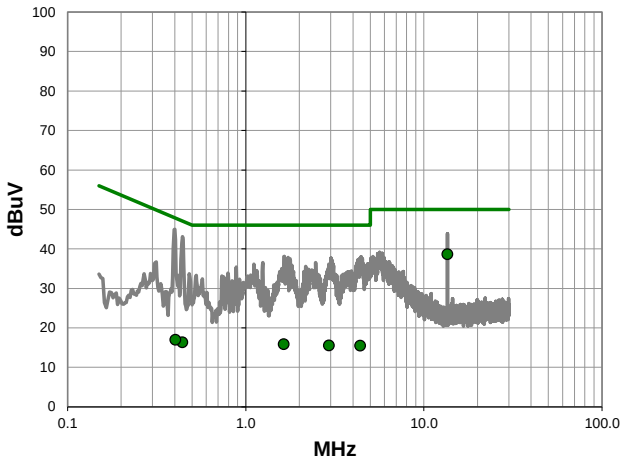
Test Specifications	**Test Method**
FCC 15.207:2017	ANSI C63.10:2013

Run #	2	**Line:**	Positive Lead	**Ext. Attenuation:**	0	**Results**	Pass

Quasi Peak Data - vs - Quasi Peak Limit



Average Data - vs - Average Limit



Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
13.560	18.1	20.7	38.8	60.0	-21.2
2.934	0.4	20.2	20.6	56.0	-35.4
0.403	2.0	20.0	22.0	57.8	-35.8
4.391	-0.1	20.3	20.2	56.0	-35.8
0.441	0.6	19.9	20.5	57.0	-36.5
1.633	-0.9	20.0	19.1	56.0	-36.9

Average Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
13.560	18.0	20.7	38.7	50.0	-11.3
1.633	-4.1	20.0	15.9	46.0	-30.1
2.934	-4.6	20.2	15.6	46.0	-30.4
4.391	-4.8	20.3	15.5	46.0	-30.5
0.441	-3.5	19.9	16.4	47.0	-30.6
0.403	-3.0	20.0	17.0	47.8	-30.8

POWERLINE CONDUCTED EMISSIONS

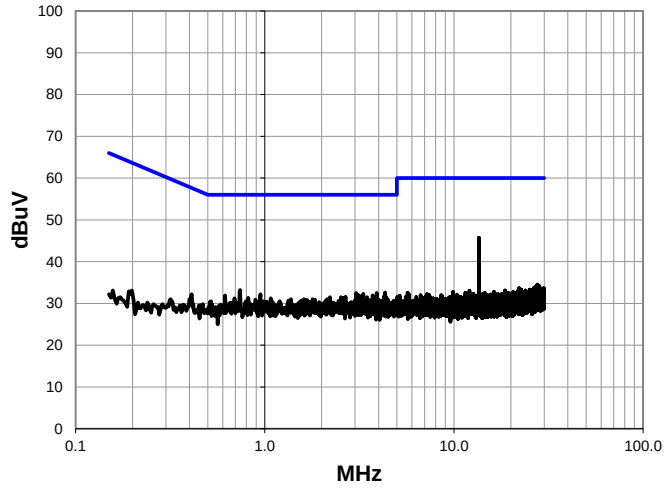
EmiR5 2017.01.25 PSA-ESCI 2017.01.26

Work Order:	LYTX0018	**Date:**	03/16/17		
Project:	None	**Temperature:**	22.8 °C		
Job Site:	OC06	**Humidity:**	50.7% RH		
Serial Number:	SF00000634	**Barometric Pres.:**	1020 mbar	**Tested by:**	Johnny Candelas, Salvador Solorzano
EUT:	DC-6000-001				
Configuration:	1				
Customer:	Lytx, Inc.				
Attendees:	None				
EUT Power:	14VDC				
Operating Mode:	Mid channel (6) 2437 MHz				
Deviations:	None				
Comments:	None				

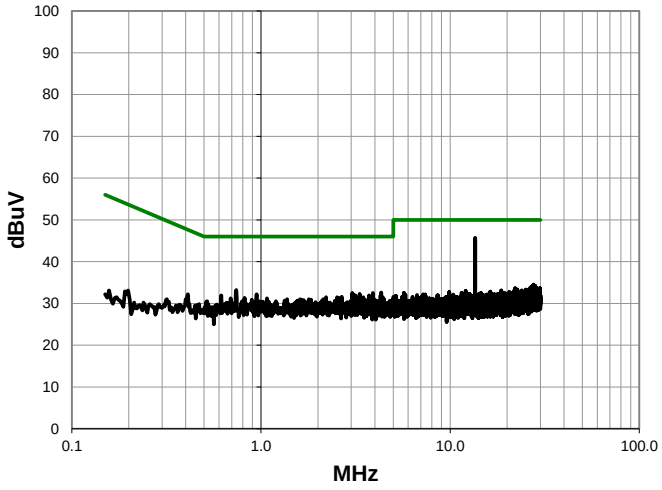
Test Specifications	**Test Method**
FCC 15.207:2017	ANSI C63.10:2013

Run #	3	**Line:**	Negative Lead	**Ext. Attenuation:**	0	**Results**	Pass

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
13.558	25.0	20.7	45.7	60.0	-14.3
0.739	13.2	20.0	33.2	56.0	-22.8
4.325	12.3	20.3	32.6	56.0	-23.4
3.041	12.3	20.2	32.5	56.0	-23.5

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
13.558	25.0	20.7	45.7	50.0	-4.3
0.739	13.2	20.0	33.2	46.0	-12.8
4.325	12.3	20.3	32.6	46.0	-13.4
3.041	12.3	20.2	32.5	46.0	-13.5

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
3.911	12.3	20.2	32.5	56.0	-23.5
3.321	12.1	20.2	32.3	56.0	-23.7
0.948	12.3	19.9	32.2	56.0	-23.8
3.071	12.0	20.2	32.2	56.0	-23.8
0.616	12.0	19.9	31.9	56.0	-24.1
3.153	11.7	20.2	31.9	56.0	-24.1
3.724	11.7	20.2	31.9	56.0	-24.1
4.284	11.5	20.3	31.8	56.0	-24.2
2.672	11.4	20.2	31.6	56.0	-24.4
2.209	11.4	20.1	31.5	56.0	-24.5
2.527	11.3	20.2	31.5	56.0	-24.5
3.478	11.3	20.2	31.5	56.0	-24.5
4.399	11.2	20.3	31.5	56.0	-24.5
3.168	11.2	20.2	31.4	56.0	-24.6
0.818	11.3	20.0	31.3	56.0	-24.7
0.691	11.2	20.0	31.2	56.0	-24.8
1.075	11.3	19.9	31.2	56.0	-24.8
1.374	11.0	20.0	31.0	56.0	-25.0
1.609	11.0	20.0	31.0	56.0	-25.0
1.792	10.9	20.1	31.0	56.0	-25.0
2.131	10.9	20.1	31.0	56.0	-25.0
3.232	10.8	20.2	31.0	56.0	-25.0
0.892	11.0	19.9	30.9	56.0	-25.1
1.635	10.9	20.0	30.9	56.0	-25.1
1.840	10.8	20.1	30.9	56.0	-25.1
4.000	10.6	20.3	30.9	56.0	-25.1
4.474	10.6	20.3	30.9	56.0	-25.1
4.963	10.6	20.3	30.9	56.0	-25.1
1.680	10.7	20.1	30.8	56.0	-25.2
3.579	10.6	20.2	30.8	56.0	-25.2
2.989	10.5	20.2	30.7	56.0	-25.3
0.411	12.2	20.0	32.2	57.6	-25.4
2.097	10.5	20.1	30.6	56.0	-25.4
4.799	10.3	20.3	30.6	56.0	-25.4
0.519	10.6	19.9	30.5	56.0	-25.5
0.795	10.5	20.0	30.5	56.0	-25.5
0.982	10.6	19.9	30.5	56.0	-25.5
1.198	10.5	20.0	30.5	56.0	-25.5
4.153	10.2	20.3	30.5	56.0	-25.5
27.571	12.6	21.9	34.5	60.0	-25.5
1.098	10.5	19.9	30.4	56.0	-25.6
1.527	10.3	20.0	30.3	56.0	-25.7
4.105	10.0	20.3	30.3	56.0	-25.7
28.142	12.3	21.9	34.2	60.0	-25.8
27.168	12.3	21.8	34.1	60.0	-25.9
27.183	12.2	21.8	34.0	60.0	-26.0
26.575	12.0	21.8	33.8	60.0	-26.2
28.717	11.7	22.0	33.7	60.0	-26.3
22.057	12.3	21.3	33.6	60.0	-26.4
29.877	11.6	22.0	33.6	60.0	-26.4
27.549	11.6	21.9	33.5	60.0	-26.5
29.731	11.5	22.0	33.5	60.0	-26.5
27.933	11.5	21.9	33.4	60.0	-26.6
22.673	11.9	21.4	33.3	60.0	-26.7
25.165	11.7	21.6	33.3	60.0	-26.7
28.702	11.3	22.0	33.3	60.0	-26.7
29.511	11.3	22.0	33.3	60.0	-26.7
25.870	11.6	21.6	33.2	60.0	-26.8
26.870	11.4	21.8	33.2	60.0	-26.8
27.254	11.4	21.8	33.2	60.0	-26.8
18.621	12.0	21.1	33.1	60.0	-26.9
23.919	11.7	21.4	33.1	60.0	-26.9
25.217	11.5	21.6	33.1	60.0	-26.9
26.396	11.3	21.8	33.1	60.0	-26.9
12.085	12.3	20.7	33.0	60.0	-27.0
21.792	11.7	21.3	33.0	60.0	-27.0
27.288	11.2	21.8	33.0	60.0	-27.0
27.784	11.1	21.9	33.0	60.0	-27.0
27.900	11.1	21.9	33.0	60.0	-27.0
28.011	11.1	21.9	33.0	60.0	-27.0
28.564	11.0	22.0	33.0	60.0	-27.0
28.914	11.0	22.0	33.0	60.0	-27.0
25.855	11.3	21.6	32.9	60.0	-27.1
26.657	11.1	21.8	32.9	60.0	-27.1
28.034	11.0	21.9	32.9	60.0	-27.1
29.120	11.0	21.9	32.9	60.0	-27.1

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
3.911	12.3	20.2	32.5	46.0	-13.5
3.321	12.1	20.2	32.3	46.0	-13.7
0.948	12.3	19.9	32.2	46.0	-13.8
3.071	12.0	20.2	32.2	46.0	-13.8
0.616	12.0	19.9	31.9	46.0	-14.1
3.153	11.7	20.2	31.9	46.0	-14.1
3.724	11.7	20.2	31.9	46.0	-14.1
4.284	11.5	20.3	31.8	46.0	-14.2
2.672	11.4	20.2	31.6	46.0	-14.4
2.209	11.4	20.1	31.5	46.0	-14.5
2.527	11.3	20.2	31.5	46.0	-14.5
3.478	11.3	20.2	31.5	46.0	-14.5
4.399	11.2	20.3	31.5	46.0	-14.5
3.168	11.2	20.2	31.4	46.0	-14.6
0.818	11.3	20.0	31.3	46.0	-14.7
0.691	11.2	20.0	31.2	46.0	-14.8
1.075	11.3	19.9	31.2	46.0	-14.8
1.374	11.0	20.0	31.0	46.0	-15.0
1.609	11.0	20.0	31.0	46.0	-15.0
1.792	10.9	20.1	31.0	46.0	-15.0
2.131	10.9	20.1	31.0	46.0	-15.0
3.232	10.8	20.2	31.0	46.0	-15.0
0.892	11.0	19.9	30.9	46.0	-15.1
1.635	10.9	20.0	30.9	46.0	-15.1
1.840	10.8	20.1	30.9	46.0	-15.1
4.000	10.6	20.3	30.9	46.0	-15.1
4.474	10.6	20.3	30.9	46.0	-15.1
4.963	10.6	20.3	30.9	46.0	-15.1
1.680	10.7	20.1	30.8	46.0	-15.2
3.579	10.6	20.2	30.8	46.0	-15.2
2.989	10.5	20.2	30.7	46.0	-15.3
0.411	12.2	20.0	32.2	47.6	-15.4
2.097	10.5	20.1	30.6	46.0	-15.4
4.799	10.3	20.3	30.6	46.0	-15.4
0.519	10.6	19.9	30.5	46.0	-15.5
0.795	10.5	20.0	30.5	46.0	-15.5
0.982	10.6	19.9	30.5	46.0	-15.5
1.198	10.5	20.0	30.5	46.0	-15.5
4.153	10.2	20.3	30.5	46.0	-15.5
27.571	12.6	21.9	34.5	50.0	-15.5
1.098	10.5	19.9	30.4	46.0	-15.6
1.527	10.3	20.0	30.3	46.0	-15.7
4.105	10.0	20.3	30.3	46.0	-15.7
28.142	12.3	21.9	34.2	50.0	-15.8
27.168	12.3	21.8	34.1	50.0	-15.9
27.183	12.2	21.8	34.0	50.0	-16.0
26.575	12.0	21.8	33.8	50.0	-16.2
28.717	11.7	22.0	33.7	50.0	-16.3
22.057	12.3	21.3	33.6	50.0	-16.4
29.877	11.6	22.0	33.6	50.0	-16.4
27.549	11.6	21.9	33.5	50.0	-16.5
29.731	11.5	22.0	33.5	50.0	-16.5
27.933	11.5	21.9	33.4	50.0	-16.6
22.673	11.9	21.4	33.3	50.0	-16.7
25.165	11.7	21.6	33.3	50.0	-16.7
28.702	11.3	22.0	33.3	50.0	-16.7
29.511	11.3	22.0	33.3	50.0	-16.7
25.870	11.6	21.6	33.2	50.0	-16.8
26.870	11.4	21.8	33.2	50.0	-16.8
27.254	11.4	21.8	33.2	50.0	-16.8
18.621	12.0	21.1	33.1	50.0	-16.9
23.919	11.7	21.4	33.1	50.0	-16.9
25.217	11.5	21.6	33.1	50.0	-16.9
26.396	11.3	21.8	33.1	50.0	-16.9
12.085	12.3	20.7	33.0	50.0	-17.0
21.792	11.7	21.3	33.0	50.0	-17.0
27.288	11.2	21.8	33.0	50.0	-17.0
27.784	11.1	21.9	33.0	50.0	-17.0
27.900	11.1	21.9	33.0	50.0	-17.0
28.011	11.1	21.9	33.0	50.0	-17.0
28.564	11.0	22.0	33.0	50.0	-17.0
28.914	11.0	22.0	33.0	50.0	-17.0
25.855	11.3	21.6	32.9	50.0	-17.1
26.657	11.1	21.8	32.9	50.0	-17.1
28.034	11.0	21.9	32.9	50.0	-17.1
29.120	11.0	21.9	32.9	50.0	-17.1

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
16.286	11.8	21.0	32.8	60.0	-27.2
26.217	11.1	21.7	32.8	60.0	-27.2
26.799	11.0	21.8	32.8	60.0	-27.2
26.993	11.0	21.8	32.8	60.0	-27.2
28.362	10.9	21.9	32.8	60.0	-27.2
28.780	10.8	22.0	32.8	60.0	-27.2
29.243	10.9	21.9	32.8	60.0	-27.2
29.638	10.8	22.0	32.8	60.0	-27.2
9.899	12.2	20.5	32.7	60.0	-27.3
20.550	11.5	21.2	32.7	60.0	-27.3
29.373	10.8	21.9	32.7	60.0	-27.3
29.590	10.7	22.0	32.7	60.0	-27.3
23.404	11.2	21.4	32.6	60.0	-27.4
23.602	11.2	21.4	32.6	60.0	-27.4
23.949	11.2	21.4	32.6	60.0	-27.4
27.429	10.8	21.8	32.6	60.0	-27.4
27.515	10.7	21.9	32.6	60.0	-27.4
29.750	10.6	22.0	32.6	60.0	-27.4
5.694	12.2	20.3	32.5	60.0	-27.5
11.507	11.8	20.7	32.5	60.0	-27.5
14.547	11.7	20.8	32.5	60.0	-27.5
19.229	11.4	21.1	32.5	60.0	-27.5
21.423	11.2	21.3	32.5	60.0	-27.5
21.509	11.2	21.3	32.5	60.0	-27.5
27.817	10.6	21.9	32.5	60.0	-27.5
29.422	10.6	21.9	32.5	60.0	-27.5
18.509	11.3	21.1	32.4	60.0	-27.6
18.703	11.3	21.1	32.4	60.0	-27.6
19.621	11.3	21.1	32.4	60.0	-27.6
23.770	11.0	21.4	32.4	60.0	-27.6
24.430	10.8	21.6	32.4	60.0	-27.6
28.892	10.4	22.0	32.4	60.0	-27.6
12.659	11.6	20.7	32.3	60.0	-27.7
14.234	11.6	20.7	32.3	60.0	-27.7
17.867	11.3	21.0	32.3	60.0	-27.7
21.244	11.0	21.3	32.3	60.0	-27.7
22.311	11.0	21.3	32.3	60.0	-27.7
23.572	10.9	21.4	32.3	60.0	-27.7
24.471	10.7	21.6	32.3	60.0	-27.7
25.344	10.7	21.6	32.3	60.0	-27.7
25.445	10.7	21.6	32.3	60.0	-27.7
29.049	10.3	22.0	32.3	60.0	-27.7
7.201	11.7	20.5	32.2	60.0	-27.8
16.726	11.2	21.0	32.2	60.0	-27.8
17.181	11.2	21.0	32.2	60.0	-27.8
19.009	11.1	21.1	32.2	60.0	-27.8
21.524	10.9	21.3	32.2	60.0	-27.8
22.531	10.8	21.4	32.2	60.0	-27.8
22.744	10.8	21.4	32.2	60.0	-27.8
24.602	10.6	21.6	32.2	60.0	-27.8
27.370	10.4	21.8	32.2	60.0	-27.8
27.638	10.3	21.9	32.2	60.0	-27.8
28.646	10.2	22.0	32.2	60.0	-27.8
5.795	11.8	20.3	32.1	60.0	-27.9
7.369	11.6	20.5	32.1	60.0	-27.9
10.384	11.6	20.5	32.1	60.0	-27.9
14.502	11.3	20.8	32.1	60.0	-27.9
15.651	11.2	20.9	32.1	60.0	-27.9
15.942	11.2	20.9	32.1	60.0	-27.9
17.106	11.1	21.0	32.1	60.0	-27.9
22.598	10.7	21.4	32.1	60.0	-27.9
24.348	10.6	21.5	32.1	60.0	-27.9
25.672	10.5	21.6	32.1	60.0	-27.9
25.982	10.5	21.6	32.1	60.0	-27.9
26.430	10.3	21.8	32.1	60.0	-27.9
6.675	11.7	20.3	32.0	60.0	-28.0
12.764	11.3	20.7	32.0	60.0	-28.0
13.387	11.3	20.7	32.0	60.0	-28.0
13.629	11.3	20.7	32.0	60.0	-28.0
14.875	11.2	20.8	32.0	60.0	-28.0
16.506	11.0	21.0	32.0	60.0	-28.0
16.651	11.0	21.0	32.0	60.0	-28.0
17.315	11.0	21.0	32.0	60.0	-28.0
18.539	10.9	21.1	32.0	60.0	-28.0
19.211	10.9	21.1	32.0	60.0	-28.0
20.315	10.8	21.2	32.0	60.0	-28.0

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
16.286	11.8	21.0	32.8	50.0	-17.2
26.217	11.1	21.7	32.8	50.0	-17.2
26.799	11.0	21.8	32.8	50.0	-17.2
26.993	11.0	21.8	32.8	50.0	-17.2
28.362	10.9	21.9	32.8	50.0	-17.2
28.780	10.8	22.0	32.8	50.0	-17.2
29.243	10.9	21.9	32.8	50.0	-17.2
29.638	10.8	22.0	32.8	50.0	-17.2
9.899	12.2	20.5	32.7	50.0	-17.3
20.550	11.5	21.2	32.7	50.0	-17.3
29.373	10.8	21.9	32.7	50.0	-17.3
29.590	10.7	22.0	32.7	50.0	-17.3
23.404	11.2	21.4	32.6	50.0	-17.4
23.602	11.2	21.4	32.6	50.0	-17.4
23.949	11.2	21.4	32.6	50.0	-17.4
27.429	10.8	21.8	32.6	50.0	-17.4
27.515	10.7	21.9	32.6	50.0	-17.4
29.750	10.6	22.0	32.6	50.0	-17.4
5.694	12.2	20.3	32.5	50.0	-17.5
11.507	11.8	20.7	32.5	50.0	-17.5
14.547	11.7	20.8	32.5	50.0	-17.5
19.229	11.4	21.1	32.5	50.0	-17.5
21.423	11.2	21.3	32.5	50.0	-17.5
21.509	11.2	21.3	32.5	50.0	-17.5
27.817	10.6	21.9	32.5	50.0	-17.5
29.422	10.6	21.9	32.5	50.0	-17.5
18.509	11.3	21.1	32.4	50.0	-17.6
18.703	11.3	21.1	32.4	50.0	-17.6
19.621	11.3	21.1	32.4	50.0	-17.6
23.770	11.0	21.4	32.4	50.0	-17.6
24.430	10.8	21.6	32.4	50.0	-17.6
28.892	10.4	22.0	32.4	50.0	-17.6
12.659	11.6	20.7	32.3	50.0	-17.7
14.234	11.6	20.7	32.3	50.0	-17.7
17.867	11.3	21.0	32.3	50.0	-17.7
21.244	11.0	21.3	32.3	50.0	-17.7
22.311	11.0	21.3	32.3	50.0	-17.7
23.572	10.9	21.4	32.3	50.0	-17.7
24.471	10.7	21.6	32.3	50.0	-17.7
25.344	10.7	21.6	32.3	50.0	-17.7
25.445	10.7	21.6	32.3	50.0	-17.7
29.049	10.3	22.0	32.3	50.0	-17.7
7.201	11.7	20.5	32.2	50.0	-17.8
16.726	11.2	21.0	32.2	50.0	-17.8
17.181	11.2	21.0	32.2	50.0	-17.8
19.009	11.1	21.1	32.2	50.0	-17.8
21.524	10.9	21.3	32.2	50.0	-17.8
22.531	10.8	21.4	32.2	50.0	-17.8
22.744	10.8	21.4	32.2	50.0	-17.8
24.602	10.6	21.6	32.2	50.0	-17.8
27.370	10.4	21.8	32.2	50.0	-17.8
27.638	10.3	21.9	32.2	50.0	-17.8
28.646	10.2	22.0	32.2	50.0	-17.8
5.795	11.8	20.3	32.1	50.0	-17.9
7.369	11.6	20.5	32.1	50.0	-17.9
10.384	11.6	20.5	32.1	50.0	-17.9
14.502	11.3	20.8	32.1	50.0	-17.9
15.651	11.2	20.9	32.1	50.0	-17.9
15.942	11.2	20.9	32.1	50.0	-17.9
17.106	11.1	21.0	32.1	50.0	-17.9
22.598	10.7	21.4	32.1	50.0	-17.9
24.348	10.6	21.5	32.1	50.0	-17.9
25.672	10.5	21.6	32.1	50.0	-17.9
25.982	10.5	21.6	32.1	50.0	-17.9
26.430	10.3	21.8	32.1	50.0	-17.9
6.675	11.7	20.3	32.0	50.0	-18.0
12.764	11.3	20.7	32.0	50.0	-18.0
13.387	11.3	20.7	32.0	50.0	-18.0
13.629	11.3	20.7	32.0	50.0	-18.0
14.875	11.2	20.8	32.0	50.0	-18.0
16.506	11.0	21.0	32.0	50.0	-18.0
16.651	11.0	21.0	32.0	50.0	-18.0
17.315	11.0	21.0	32.0	50.0	-18.0
18.539	10.9	21.1	32.0	50.0	-18.0
19.211	10.9	21.1	32.0	50.0	-18.0
20.315	10.8	21.2	32.0	50.0	-18.0

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
21.382	10.7	21.3	32.0	60.0	-28.0
22.956	10.6	21.4	32.0	60.0	-28.0
23.341	10.6	21.4	32.0	60.0	-28.0
23.699	10.6	21.4	32.0	60.0	-28.0
25.762	10.4	21.6	32.0	60.0	-28.0
27.717	10.1	21.9	32.0	60.0	-28.0
8.563	11.4	20.5	31.9	60.0	-28.1
8.611	11.4	20.5	31.9	60.0	-28.1
15.301	11.0	20.9	31.9	60.0	-28.1
16.771	10.9	21.0	31.9	60.0	-28.1
19.401	10.8	21.1	31.9	60.0	-28.1
21.602	10.6	21.3	31.9	60.0	-28.1
21.632	10.6	21.3	31.9	60.0	-28.1
21.830	10.6	21.3	31.9	60.0	-28.1
21.968	10.6	21.3	31.9	60.0	-28.1
23.732	10.5	21.4	31.9	60.0	-28.1
25.538	10.3	21.6	31.9	60.0	-28.1
25.613	10.3	21.6	31.9	60.0	-28.1
26.545	10.1	21.8	31.9	60.0	-28.1
26.605	10.1	21.8	31.9	60.0	-28.1
28.198	10.0	21.9	31.9	60.0	-28.1
29.974	9.9	22.0	31.9	60.0	-28.1
5.160	11.5	20.3	31.8	60.0	-28.2
13.290	11.1	20.7	31.8	60.0	-28.2
14.305	11.1	20.7	31.8	60.0	-28.2
15.204	10.9	20.9	31.8	60.0	-28.2
19.643	10.7	21.1	31.8	60.0	-28.2
19.789	10.7	21.1	31.8	60.0	-28.2
20.643	10.5	21.3	31.8	60.0	-28.2
20.684	10.5	21.3	31.8	60.0	-28.2
20.822	10.5	21.3	31.8	60.0	-28.2
22.382	10.5	21.3	31.8	60.0	-28.2
23.113	10.4	21.4	31.8	60.0	-28.2
23.217	10.4	21.4	31.8	60.0	-28.2
23.449	10.4	21.4	31.8	60.0	-28.2
24.225	10.3	21.5	31.8	60.0	-28.2
9.880	11.2	20.5	31.7	60.0	-28.3
13.469	11.0	20.7	31.7	60.0	-28.3
15.148	10.8	20.9	31.7	60.0	-28.3
15.842	10.8	20.9	31.7	60.0	-28.3
15.957	10.8	20.9	31.7	60.0	-28.3
18.740	10.6	21.1	31.7	60.0	-28.3
18.864	10.6	21.1	31.7	60.0	-28.3
18.923	10.6	21.1	31.7	60.0	-28.3
19.863	10.6	21.1	31.7	60.0	-28.3
20.751	10.4	21.3	31.7	60.0	-28.3
20.875	10.4	21.3	31.7	60.0	-28.3
22.259	10.4	21.3	31.7	60.0	-28.3
5.026	11.3	20.3	31.6	60.0	-28.4
5.563	11.3	20.3	31.6	60.0	-28.4
6.321	11.3	20.3	31.6	60.0	-28.4
7.074	11.1	20.5	31.6	60.0	-28.4
7.459	11.1	20.5	31.6	60.0	-28.4
9.533	11.1	20.5	31.6	60.0	-28.4
11.402	10.9	20.7	31.6	60.0	-28.4
11.701	10.9	20.7	31.6	60.0	-28.4
12.115	10.9	20.7	31.6	60.0	-28.4
14.767	10.8	20.8	31.6	60.0	-28.4
14.961	10.8	20.8	31.6	60.0	-28.4
16.024	10.7	20.9	31.6	60.0	-28.4
16.808	10.6	21.0	31.6	60.0	-28.4
17.659	10.6	21.0	31.6	60.0	-28.4
17.770	10.6	21.0	31.6	60.0	-28.4
17.793	10.6	21.0	31.6	60.0	-28.4
18.293	10.6	21.0	31.6	60.0	-28.4
18.304	10.6	21.0	31.6	60.0	-28.4
19.897	10.5	21.1	31.6	60.0	-28.4
24.031	10.1	21.5	31.6	60.0	-28.4
25.079	10.0	21.6	31.6	60.0	-28.4
25.713	10.0	21.6	31.6	60.0	-28.4
7.164	11.0	20.5	31.5	60.0	-28.5
9.917	11.0	20.5	31.5	60.0	-28.5
10.738	11.0	20.5	31.5	60.0	-28.5
10.809	11.0	20.5	31.5	60.0	-28.5
10.917	11.0	20.5	31.5	60.0	-28.5
14.659	10.7	20.8	31.5	60.0	-28.5

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
21.382	10.7	21.3	32.0	50.0	-18.0
22.956	10.6	21.4	32.0	50.0	-18.0
23.341	10.6	21.4	32.0	50.0	-18.0
23.699	10.6	21.4	32.0	50.0	-18.0
25.762	10.4	21.6	32.0	50.0	-18.0
27.717	10.1	21.9	32.0	50.0	-18.0
8.563	11.4	20.5	31.9	50.0	-18.1
8.611	11.4	20.5	31.9	50.0	-18.1
15.301	11.0	20.9	31.9	50.0	-18.1
16.771	10.9	21.0	31.9	50.0	-18.1
19.401	10.8	21.1	31.9	50.0	-18.1
21.602	10.6	21.3	31.9	50.0	-18.1
21.632	10.6	21.3	31.9	50.0	-18.1
21.830	10.6	21.3	31.9	50.0	-18.1
21.968	10.6	21.3	31.9	50.0	-18.1
23.732	10.5	21.4	31.9	50.0	-18.1
25.538	10.3	21.6	31.9	50.0	-18.1
25.613	10.3	21.6	31.9	50.0	-18.1
26.545	10.1	21.8	31.9	50.0	-18.1
26.605	10.1	21.8	31.9	50.0	-18.1
28.198	10.0	21.9	31.9	50.0	-18.1
29.974	9.9	22.0	31.9	50.0	-18.1
5.160	11.5	20.3	31.8	50.0	-18.2
13.290	11.1	20.7	31.8	50.0	-18.2
14.305	11.1	20.7	31.8	50.0	-18.2
15.204	10.9	20.9	31.8	50.0	-18.2
19.643	10.7	21.1	31.8	50.0	-18.2
19.789	10.7	21.1	31.8	50.0	-18.2
20.643	10.5	21.3	31.8	50.0	-18.2
20.684	10.5	21.3	31.8	50.0	-18.2
20.822	10.5	21.3	31.8	50.0	-18.2
22.382	10.5	21.3	31.8	50.0	-18.2
23.113	10.4	21.4	31.8	50.0	-18.2
23.217	10.4	21.4	31.8	50.0	-18.2
23.449	10.4	21.4	31.8	50.0	-18.2
24.225	10.3	21.5	31.8	50.0	-18.2
9.880	11.2	20.5	31.7	50.0	-18.3
13.469	11.0	20.7	31.7	50.0	-18.3
15.148	10.8	20.9	31.7	50.0	-18.3
15.842	10.8	20.9	31.7	50.0	-18.3
15.957	10.8	20.9	31.7	50.0	-18.3
18.740	10.6	21.1	31.7	50.0	-18.3
18.864	10.6	21.1	31.7	50.0	-18.3
18.923	10.6	21.1	31.7	50.0	-18.3
19.863	10.6	21.1	31.7	50.0	-18.3
20.751	10.4	21.3	31.7	50.0	-18.3
20.875	10.4	21.3	31.7	50.0	-18.3
22.259	10.4	21.3	31.7	50.0	-18.3
5.026	11.3	20.3	31.6	50.0	-18.4
5.563	11.3	20.3	31.6	50.0	-18.4
6.321	11.3	20.3	31.6	50.0	-18.4
7.074	11.1	20.5	31.6	50.0	-18.4
7.459	11.1	20.5	31.6	50.0	-18.4
9.533	11.1	20.5	31.6	50.0	-18.4
11.402	10.9	20.7	31.6	50.0	-18.4
11.701	10.9	20.7	31.6	50.0	-18.4
12.115	10.9	20.7	31.6	50.0	-18.4
14.767	10.8	20.8	31.6	50.0	-18.4
14.961	10.8	20.8	31.6	50.0	-18.4
16.024	10.7	20.9	31.6	50.0	-18.4
16.808	10.6	21.0	31.6	50.0	-18.4
17.659	10.6	21.0	31.6	50.0	-18.4
17.770	10.6	21.0	31.6	50.0	-18.4
17.793	10.6	21.0	31.6	50.0	-18.4
18.293	10.6	21.0	31.6	50.0	-18.4
18.304	10.6	21.0	31.6	50.0	-18.4
19.897	10.5	21.1	31.6	50.0	-18.4
24.031	10.1	21.5	31.6	50.0	-18.4
25.079	10.0	21.6	31.6	50.0	-18.4
25.713	10.0	21.6	31.6	50.0	-18.4
7.164	11.0	20.5	31.5	50.0	-18.5
9.917	11.0	20.5	31.5	50.0	-18.5
10.738	11.0	20.5	31.5	50.0	-18.5
10.809	11.0	20.5	31.5	50.0	-18.5
10.917	11.0	20.5	31.5	50.0	-18.5
14.659	10.7	20.8	31.5	50.0	-18.5

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
16.136	10.6	20.9	31.5	60.0	-28.5
17.036	10.5	21.0	31.5	60.0	-28.5
17.349	10.5	21.0	31.5	60.0	-28.5
17.435	10.5	21.0	31.5	60.0	-28.5
18.479	10.4	21.1	31.5	60.0	-28.5
19.494	10.4	21.1	31.5	60.0	-28.5
20.210	10.3	21.2	31.5	60.0	-28.5
20.363	10.3	21.2	31.5	60.0	-28.5
21.083	10.2	21.3	31.5	60.0	-28.5
24.825	9.9	21.6	31.5	60.0	-28.5
26.135	9.9	21.6	31.5	60.0	-28.5
12.144	10.7	20.7	31.4	60.0	-28.6
13.890	10.7	20.7	31.4	60.0	-28.6
14.424	10.7	20.7	31.4	60.0	-28.6
17.972	10.4	21.0	31.4	60.0	-28.6
18.125	10.4	21.0	31.4	60.0	-28.6
18.382	10.3	21.1	31.4	60.0	-28.6
20.781	10.1	21.3	31.4	60.0	-28.6
20.942	10.1	21.3	31.4	60.0	-28.6
6.843	11.0	20.3	31.3	60.0	-28.7
12.443	10.6	20.7	31.3	60.0	-28.7
14.055	10.6	20.7	31.3	60.0	-28.7
15.629	10.4	20.9	31.3	60.0	-28.7
18.058	10.3	21.0	31.3	60.0	-28.7
18.811	10.2	21.1	31.3	60.0	-28.7
21.311	10.0	21.3	31.3	60.0	-28.7
0.318	10.9	20.1	31.0	59.8	-28.8
5.739	10.9	20.3	31.2	60.0	-28.8
7.768	10.7	20.5	31.2	60.0	-28.8
9.305	10.7	20.5	31.2	60.0	-28.8
10.089	10.7	20.5	31.2	60.0	-28.8
10.137	10.7	20.5	31.2	60.0	-28.8
10.190	10.7	20.5	31.2	60.0	-28.8
11.156	10.7	20.5	31.2	60.0	-28.8
12.973	10.5	20.7	31.2	60.0	-28.8
13.062	10.5	20.7	31.2	60.0	-28.8
15.189	10.3	20.9	31.2	60.0	-28.8
18.886	10.1	21.1	31.2	60.0	-28.8
22.203	9.9	21.3	31.2	60.0	-28.8
22.371	9.9	21.3	31.2	60.0	-28.8
7.839	10.6	20.5	31.1	60.0	-28.9
8.089	10.6	20.5	31.1	60.0	-28.9
8.675	10.6	20.5	31.1	60.0	-28.9
8.805	10.6	20.5	31.1	60.0	-28.9
9.018	10.6	20.5	31.1	60.0	-28.9
9.727	10.6	20.5	31.1	60.0	-28.9
10.033	10.6	20.5	31.1	60.0	-28.9
11.201	10.6	20.5	31.1	60.0	-28.9
11.824	10.4	20.7	31.1	60.0	-28.9
11.909	10.4	20.7	31.1	60.0	-28.9
12.361	10.4	20.7	31.1	60.0	-28.9
13.320	10.4	20.7	31.1	60.0	-28.9
15.409	10.2	20.9	31.1	60.0	-28.9
18.976	10.0	21.1	31.1	60.0	-28.9
25.900	9.5	21.6	31.1	60.0	-28.9
26.060	9.5	21.6	31.1	60.0	-28.9
7.619	10.5	20.5	31.0	60.0	-29.0
11.036	10.5	20.5	31.0	60.0	-29.0
13.338	10.3	20.7	31.0	60.0	-29.0
14.140	10.3	20.7	31.0	60.0	-29.0
9.611	10.4	20.5	30.9	60.0	-29.1
10.775	10.4	20.5	30.9	60.0	-29.1
16.405	9.9	21.0	30.9	60.0	-29.1
7.992	10.3	20.5	30.8	60.0	-29.2
8.179	10.3	20.5	30.8	60.0	-29.2
8.488	10.3	20.5	30.8	60.0	-29.2
9.932	10.3	20.5	30.8	60.0	-29.2
10.645	10.3	20.5	30.8	60.0	-29.2
11.592	10.1	20.7	30.8	60.0	-29.2
13.790	10.1	20.7	30.8	60.0	-29.2
16.823	9.8	21.0	30.8	60.0	-29.2
20.069	9.7	21.1	30.8	60.0	-29.2
6.164	10.4	20.3	30.7	60.0	-29.3
6.466	10.4	20.3	30.7	60.0	-29.3
6.933	10.4	20.3	30.7	60.0	-29.3
7.977	10.2	20.5	30.7	60.0	-29.3

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
16.136	10.6	20.9	31.5	50.0	-18.5
17.036	10.5	21.0	31.5	50.0	-18.5
17.349	10.5	21.0	31.5	50.0	-18.5
17.435	10.5	21.0	31.5	50.0	-18.5
18.479	10.4	21.1	31.5	50.0	-18.5
19.494	10.4	21.1	31.5	50.0	-18.5
20.210	10.3	21.2	31.5	50.0	-18.5
20.363	10.3	21.2	31.5	50.0	-18.5
21.083	10.2	21.3	31.5	50.0	-18.5
24.825	9.9	21.6	31.5	50.0	-18.5
26.135	9.9	21.6	31.5	50.0	-18.5
12.144	10.7	20.7	31.4	50.0	-18.6
13.890	10.7	20.7	31.4	50.0	-18.6
14.424	10.7	20.7	31.4	50.0	-18.6
17.972	10.4	21.0	31.4	50.0	-18.6
18.125	10.4	21.0	31.4	50.0	-18.6
18.382	10.3	21.1	31.4	50.0	-18.6
20.781	10.1	21.3	31.4	50.0	-18.6
20.942	10.1	21.3	31.4	50.0	-18.6
6.843	11.0	20.3	31.3	50.0	-18.7
12.443	10.6	20.7	31.3	50.0	-18.7
14.055	10.6	20.7	31.3	50.0	-18.7
15.629	10.4	20.9	31.3	50.0	-18.7
18.058	10.3	21.0	31.3	50.0	-18.7
18.811	10.2	21.1	31.3	50.0	-18.7
21.311	10.0	21.3	31.3	50.0	-18.7
0.318	10.9	20.1	31.0	49.8	-18.8
5.739	10.9	20.3	31.2	50.0	-18.8
7.768	10.7	20.5	31.2	50.0	-18.8
9.305	10.7	20.5	31.2	50.0	-18.8
10.089	10.7	20.5	31.2	50.0	-18.8
10.137	10.7	20.5	31.2	50.0	-18.8
10.190	10.7	20.5	31.2	50.0	-18.8
11.156	10.7	20.5	31.2	50.0	-18.8
12.973	10.5	20.7	31.2	50.0	-18.8
13.062	10.5	20.7	31.2	50.0	-18.8
15.189	10.3	20.9	31.2	50.0	-18.8
18.886	10.1	21.1	31.2	50.0	-18.8
22.203	9.9	21.3	31.2	50.0	-18.8
22.371	9.9	21.3	31.2	50.0	-18.8
7.839	10.6	20.5	31.1	50.0	-18.9
8.089	10.6	20.5	31.1	50.0	-18.9
8.675	10.6	20.5	31.1	50.0	-18.9
8.805	10.6	20.5	31.1	50.0	-18.9
9.018	10.6	20.5	31.1	50.0	-18.9
9.727	10.6	20.5	31.1	50.0	-18.9
10.033	10.6	20.5	31.1	50.0	-18.9
11.201	10.6	20.5	31.1	50.0	-18.9
11.824	10.4	20.7	31.1	50.0	-18.9
11.909	10.4	20.7	31.1	50.0	-18.9
12.361	10.4	20.7	31.1	50.0	-18.9
13.320	10.4	20.7	31.1	50.0	-18.9
15.409	10.2	20.9	31.1	50.0	-18.9
18.976	10.0	21.1	31.1	50.0	-18.9
25.900	9.5	21.6	31.1	50.0	-18.9
26.060	9.5	21.6	31.1	50.0	-18.9
7.619	10.5	20.5	31.0	50.0	-19.0
11.036	10.5	20.5	31.0	50.0	-19.0
13.338	10.3	20.7	31.0	50.0	-19.0
14.140	10.3	20.7	31.0	50.0	-19.0
9.611	10.4	20.5	30.9	50.0	-19.1
10.775	10.4	20.5	30.9	50.0	-19.1
16.405	9.9	21.0	30.9	50.0	-19.1
7.992	10.3	20.5	30.8	50.0	-19.2
8.179	10.3	20.5	30.8	50.0	-19.2
8.488	10.3	20.5	30.8	50.0	-19.2
9.932	10.3	20.5	30.8	50.0	-19.2
10.645	10.3	20.5	30.8	50.0	-19.2
11.592	10.1	20.7	30.8	50.0	-19.2
13.790	10.1	20.7	30.8	50.0	-19.2
16.823	9.8	21.0	30.8	50.0	-19.2
20.069	9.7	21.1	30.8	50.0	-19.2
6.164	10.4	20.3	30.7	50.0	-19.3
6.466	10.4	20.3	30.7	50.0	-19.3
6.933	10.4	20.3	30.7	50.0	-19.3
7.977	10.2	20.5	30.7	50.0	-19.3

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
12.208	10.0	20.7	30.7	60.0	-29.3
15.696	9.8	20.9	30.7	60.0	-29.3
5.459	10.3	20.3	30.6	60.0	-29.4
5.888	10.3	20.3	30.6	60.0	-29.4
13.726	9.9	20.7	30.6	60.0	-29.4
19.572	9.5	21.1	30.6	60.0	-29.4
5.276	10.2	20.3	30.5	60.0	-29.5
12.947	9.8	20.7	30.5	60.0	-29.5
13.663	9.8	20.7	30.5	60.0	-29.5
5.929	10.1	20.3	30.4	60.0	-29.6
7.914	9.8	20.5	30.3	60.0	-29.7
9.790	9.7	20.5	30.2	60.0	-29.8
9.137	9.6	20.5	30.1	60.0	-29.9
10.518	9.6	20.5	30.1	60.0	-29.9
10.980	9.6	20.5	30.1	60.0	-29.9
0.199	12.9	20.2	33.1	63.7	-30.6
0.157	12.9	20.2	33.1	65.6	-32.5

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
12.208	10.0	20.7	30.7	50.0	-19.3
15.696	9.8	20.9	30.7	50.0	-19.3
5.459	10.3	20.3	30.6	50.0	-19.4
5.888	10.3	20.3	30.6	50.0	-19.4
13.726	9.9	20.7	30.6	50.0	-19.4
19.572	9.5	21.1	30.6	50.0	-19.4
5.276	10.2	20.3	30.5	50.0	-19.5
12.947	9.8	20.7	30.5	50.0	-19.5
13.663	9.8	20.7	30.5	50.0	-19.5
5.929	10.1	20.3	30.4	50.0	-19.6
7.914	9.8	20.5	30.3	50.0	-19.7
9.790	9.7	20.5	30.2	50.0	-19.8
9.137	9.6	20.5	30.1	50.0	-19.9
10.518	9.6	20.5	30.1	50.0	-19.9
10.980	9.6	20.5	30.1	50.0	-19.9
0.199	12.9	20.2	33.1	53.7	-20.6
0.157	12.9	20.2	33.1	55.6	-22.5

SPURIOUS RADIATED EMISSIONS

PSA-ESCI 2017.01.26

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 test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Low Channel (1) 2412 MHz,High Channel (11) 2463 MHz
Low Channel (1) 2412 MHz, Mid Channel (6) 2437 MHZ, High Channel (11) 2463 MHz

POWER SETTINGS INVESTIGATED

14VDC

CONFIGURATIONS INVESTIGATED

LYTX0018 - 2

FREQUENCY RANGE INVESTIGATED

Start Frequency	30 MHz	Stop Frequency	26000 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Filter - Low Pass	Micro-Tronics	LPM50004	LFC	10/17/2016	12 mo
Attenuator	Fairview Microwave	SA18H-20	TKQ	NCR	0 mo
Filter - High Pass	Micro-Tronics	HPM50111	HHX	8/10/2016	12 mo
Cable	Element	8-18GHz RE Cables	OCO	8/10/2016	12 mo
Cable	Element	18-26GHz RE Cables	OCK	1/3/2017	12 mo
Cable	Element	10kHz-1GHz RE Cables	OCH	8/9/2016	12 mo
Cable	Element	1-8GHz RE Cables	OCJ	8/4/2016	12 mo
Antenna - Biconilog	EMCO	3142	AXB	11/6/2015	24 mo
Amplifier - Pre-Amplifier	Miteq	AM-1402	AOZ	8/10/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-4D-010120-30-10P-1	AOP	8/4/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-18002650-25-10P	AOI	1/3/2017	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-12001800-30-10P	AOF	8/10/2016	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AOE	8/10/2016	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-08	AHT	NCR	0 mo
Antenna - Standard Gain	ETS Lindgren	3160-07	AHR	NCR	0 mo
Antenna - Standard Gain	ETS Lindgren	3160-09	AHN	NCR	0 mo
Antenna - Double Ridge	EMCO	3115	AHB	3/21/2016	24 mo
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFJ	1/28/2017	12 mo

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. These “pre-scans” are not included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis 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 at the edges of the allowable band may be presented in an alternative method as provided for in the ANSI C63.10 Marker-Delta method. This method involves performing an in-band fundamental measurement followed by a screen capture of the fundamental and out-of-band emission using reduced measurement instrumentation bandwidths. The amplitude delta measured on this screen capture is applied to the fundamental emission value to show the out-of-band emission level as applied to the limit.

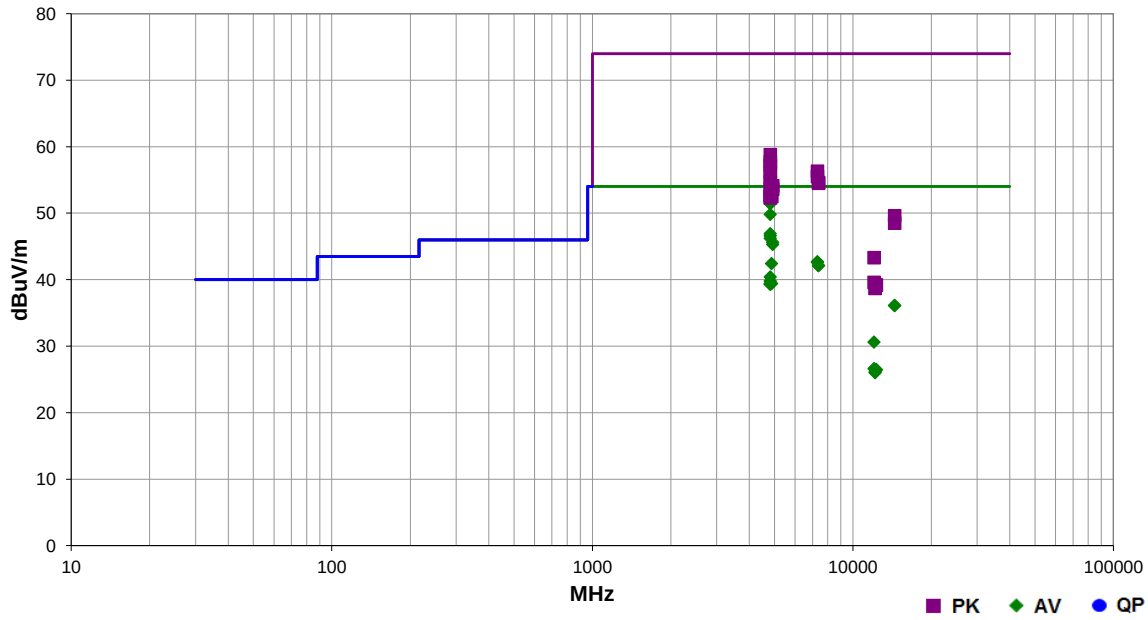
SPURIOUS RADIATED EMISSIONS

EmiR5 2017.01.25 PSA-ESCI 2017.01.26

Work Order:	LYTX0018	**Date:**	03/16/17		
Project:	None	**Temperature:**	21.4 °C		
Job Site:	OC10	**Humidity:**	46.5% RH		
Serial Number:	SF00000634	**Barometric Pres.:**	1022 mbar	**Tested by:**	Johnny Candelas, Salvador Solorzano
EUT:	DC-6000-001				
Configuration:	2				
Customer:	Lytx, Inc.				
Attendees:	None				
EUT Power:	14VDC				
Operating Mode:	Low Channel (1) 2412 MHz, Mid Channel (6) 2437 MHZ, High Channel (11) 2463 MHz				
Deviations:	None				
Comments:	Using Client Provided Power Settings				

Test Specifications	**Test Method**
FCC 15.247:2017	ANSI C63.10:2013

Run #	29	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 4(m)	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4823.975	41.0	12.8	1.5	174.0	3.0	0.0	Horz	AV	0.0	53.8	54.0	-0.2	EUT Vert, Low Ch 1, 1Mbps
4823.960	38.7	12.8	1.6	182.0	3.0	0.0	Vert	AV	0.0	51.5	54.0	-2.5	EUT Vert, Low Ch 1, 1Mbps
4823.920	38.6	12.8	1.5	193.0	3.0	0.0	Horz	AV	0.0	51.4	54.0	-2.6	EUT on Side, Low Ch 1, 1Mbps
4823.935	37.0	12.8	1.5	193.0	3.0	0.0	Vert	AV	0.0	49.8	54.0	-4.2	EUT on Side, Low Ch 1, 1Mbps
4823.980	34.1	12.8	1.5	170.0	3.0	0.0	Vert	AV	0.0	46.9	54.0	-7.1	EUT Horz, Low Ch 1, 1Mbps
4823.967	33.8	12.8	1.5	174.0	3.0	0.0	Horz	AV	0.0	46.6	54.0	-7.4	EUT Vert, Low Ch 1, 11Mbps
4823.980	33.4	12.8	1.5	303.0	3.0	0.0	Horz	AV	0.0	46.2	54.0	-7.8	EUT Horz, Low Ch 1, 1Mbps
4923.967	32.9	12.7	1.0	64.0	3.0	0.0	Vert	AV	0.0	45.6	54.0	-8.4	EUT Vert, High Ch 11, 1Mbps
4923.967	32.6	12.7	1.5	171.0	3.0	0.0	Horz	AV	0.0	45.3	54.0	-8.7	EUT Vert, High Ch 11, 1Mbps
7311.942	24.7	18.0	1.5	108.0	3.0	0.0	Horz	AV	0.0	42.7	54.0	-11.3	EUT Vert, Mid Ch 6, 1Mbps
7312.758	24.6	18.0	1.5	341.0	3.0	0.0	Vert	AV	0.0	42.6	54.0	-11.4	EUT Vert, Mid Ch 6, 1Mbps
4873.967	29.6	12.8	1.5	180.0	3.0	0.0	Horz	AV	0.0	42.4	54.0	-11.6	EUT Vert, Mid Ch 6, 1Mbps
7383.592	24.2	17.9	1.5	41.0	3.0	0.0	Horz	AV	0.0	42.1	54.0	-11.9	EUT Vert, High Ch 11, 1Mbps
7384.108	24.2	17.9	1.5	283.0	3.0	0.0	Vert	AV	0.0	42.1	54.0	-11.9	EUT Vert, High Ch 11, 1Mbps
4825.867	27.6	12.8	1.5	174.0	3.0	0.0	Horz	AV	0.0	40.4	54.0	-13.6	EUT Vert, Low Ch 1, 6Mbps
4825.750	27.0	12.8	1.5	174.0	3.0	0.0	Horz	AV	0.0	39.8	54.0	-14.2	EUT Vert, Low Ch 1, 36Mbps
4873.942	26.6	12.8	1.5	158.0	3.0	0.0	Vert	AV	0.0	39.4	54.0	-14.6	EUT Vert, Mid Ch 6, 1Mbps
4825.108	26.6	12.8	1.5	174.0	3.0	0.0	Horz	AV	0.0	39.4	54.0	-14.6	EUT Vert, Low Ch 1, MCS0Mbps
4825.408	26.5	12.8	1.5	174.0	3.0	0.0	Horz	AV	0.0	39.3	54.0	-14.7	EUT Vert, Low Ch 1, 54Mbps
4825.100	26.5	12.8	1.5	174.0	3.0	0.0	Horz	AV	0.0	39.3	54.0	-14.7	EUT Vert, Low Ch 1, MCS7Mbps
4823.820	46.0	12.8	1.5	174.0	3.0	0.0	Horz	PK	0.0	58.8	74.0	-15.2	EUT Vert, Low Ch 1, 1Mbps

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
4823.800	45.0	12.8	1.5	174.0	3.0	0.0	Horz	PK	0.0	57.8	74.0	-16.2	EUT Vert, Low Ch 1, 11Mbps
4823.985	44.5	12.8	1.6	182.0	3.0	0.0	Vert	PK	0.0	57.3	74.0	-16.7	EUT Vert, Low Ch 1, 1Mbps
4824.095	44.2	12.8	1.5	193.0	3.0	0.0	Horz	PK	0.0	57.0	74.0	-17.0	EUT on Side, Low Ch 1, 1Mbps
7309.467	38.3	18.0	1.5	108.0	3.0	0.0	Horz	PK	0.0	56.3	74.0	-17.7	EUT Vert, Mid Ch 6, 1Mbps
4823.805	43.3	12.8	1.5	193.0	3.0	0.0	Vert	PK	0.0	56.1	74.0	-17.9	EUT on Side, Low Ch 1, 1Mbps
14474.280	24.4	11.7	1.5	149.0	3.0	0.0	Horz	AV	0.0	36.1	54.0	-17.9	EUT Vert, Low Ch 1, 1Mbps
14474.230	24.4	11.7	1.5	162.0	3.0	0.0	Vert	AV	0.0	36.1	54.0	-17.9	EUT Vert, Low Ch 1, 1Mbps
7310.067	37.5	18.0	1.5	341.0	3.0	0.0	Vert	PK	0.0	55.5	74.0	-18.5	EUT Vert, Mid Ch 6, 1Mbps
4823.685	42.3	12.8	1.5	170.0	3.0	0.0	Vert	PK	0.0	55.1	74.0	-18.9	EUT Horz, Low Ch 1, 1Mbps
4824.160	41.9	12.8	1.5	303.0	3.0	0.0	Horz	PK	0.0	54.7	74.0	-19.3	EUT Horz, Low Ch 1, 1Mbps
7387.983	36.7	17.9	1.5	41.0	3.0	0.0	Horz	PK	0.0	54.6	74.0	-19.4	EUT Vert, High Ch 11, 1Mbps
7384.392	36.6	17.9	1.5	283.0	3.0	0.0	Vert	PK	0.0	54.5	74.0	-19.5	EUT Vert, High Ch 11, 1Mbps
4923.992	41.4	12.7	1.0	64.0	3.0	0.0	Vert	PK	0.0	54.1	74.0	-19.9	EUT Vert, High Ch 11, 1Mbps
4923.875	40.8	12.8	1.5	171.0	3.0	0.0	Horz	PK	0.0	53.6	74.0	-20.4	EUT Vert, High Ch 11, 1Mbps
4824.383	40.8	12.8	1.5	174.0	3.0	0.0	Horz	PK	0.0	53.6	74.0	-20.4	EUT Vert, Low Ch 1, 6Mbps
4825.983	39.9	12.8	1.5	174.0	3.0	0.0	Horz	PK	0.0	52.7	74.0	-21.3	EUT Vert, Low Ch 1, MCS7Mbps
4873.767	39.8	12.8	1.5	158.0	3.0	0.0	Vert	PK	0.0	52.6	74.0	-21.4	EUT Vert, Mid Ch 6, 1Mbps
4822.550	39.8	12.8	1.5	174.0	3.0	0.0	Horz	PK	0.0	52.6	74.0	-21.4	EUT Vert, Low Ch 1, 36Mbps
4824.933	39.8	12.8	1.5	174.0	3.0	0.0	Horz	PK	0.0	52.6	74.0	-21.4	EUT Vert, Low Ch 1, MCS0Mbps
4874.000	39.7	12.8	1.5	180.0	3.0	0.0	Horz	PK	0.0	52.5	74.0	-21.5	EUT Vert, Mid Ch 6, 1Mbps
4822.658	39.5	12.8	1.5	174.0	3.0	0.0	Horz	PK	0.0	52.3	74.0	-21.7	EUT Vert, Low Ch 1, 54Mbps
12061.350	34.3	-3.7	1.0	203.0	3.0	0.0	Horz	AV	0.0	30.6	54.0	-23.4	EUT Vert, Low Ch 1, 1Mbps
14471.930	37.9	11.7	1.5	149.0	3.0	0.0	Horz	PK	0.0	49.6	74.0	-24.4	EUT Vert, Low Ch 1, 1Mbps
14469.930	36.8	11.7	1.5	162.0	3.0	0.0	Vert	PK	0.0	48.5	74.0	-25.5	EUT Vert, Low Ch 1, 1Mbps
12061.300	30.3	-3.7	1.5	31.0	3.0	0.0	Vert	AV	0.0	26.6	54.0	-27.4	EUT Vert, Low Ch 1, 1Mbps
12309.190	29.5	-3.0	1.1	180.0	3.0	0.0	Horz	AV	0.0	26.5	54.0	-27.5	EUT Vert, High Ch 11, 1Mbps
12309.290	29.4	-3.0	1.5	199.0	3.0	0.0	Vert	AV	0.0	26.4	54.0	-27.6	EUT Vert, High Ch 11, 1Mbps
12182.950	28.9	-2.8	1.5	62.0	3.0	0.0	Horz	AV	0.0	26.1	54.0	-27.9	EUT Vert, Mid Ch 6, 1Mbps
12183.180	28.8	-2.8	1.5	41.0	3.0	0.0	Vert	AV	0.0	26.0	54.0	-28.0	EUT Vert, Mid Ch 6, 1Mbps
12061.430	47.0	-3.7	1.0	203.0	3.0	0.0	Horz	PK	0.0	43.3	74.0	-30.7	EUT Vert, Low Ch 1, 1Mbps
12061.280	43.3	-3.7	1.5	31.0	3.0	0.0	Vert	PK	0.0	39.6	74.0	-34.4	EUT Vert, Low Ch 1, 1Mbps
12309.490	42.2	-3.0	1.1	180.0	3.0	0.0	Horz	PK	0.0	39.2	74.0	-34.8	EUT Vert, High Ch 11, 1Mbps
12309.130	42.2	-3.0	1.5	199.0	3.0	0.0	Vert	PK	0.0	39.2	74.0	-34.8	EUT Vert, High Ch 11, 1Mbps
12185.260	41.5	-2.8	1.5	62.0	3.0	0.0	Horz	PK	0.0	38.7	74.0	-35.3	EUT Vert, Mid Ch 6, 1Mbps
12184.220	41.5	-2.8	1.5	41.0	3.0	0.0	Vert	PK	0.0	38.7	74.0	-35.3	EUT Vert, Mid Ch 6, 1Mbps

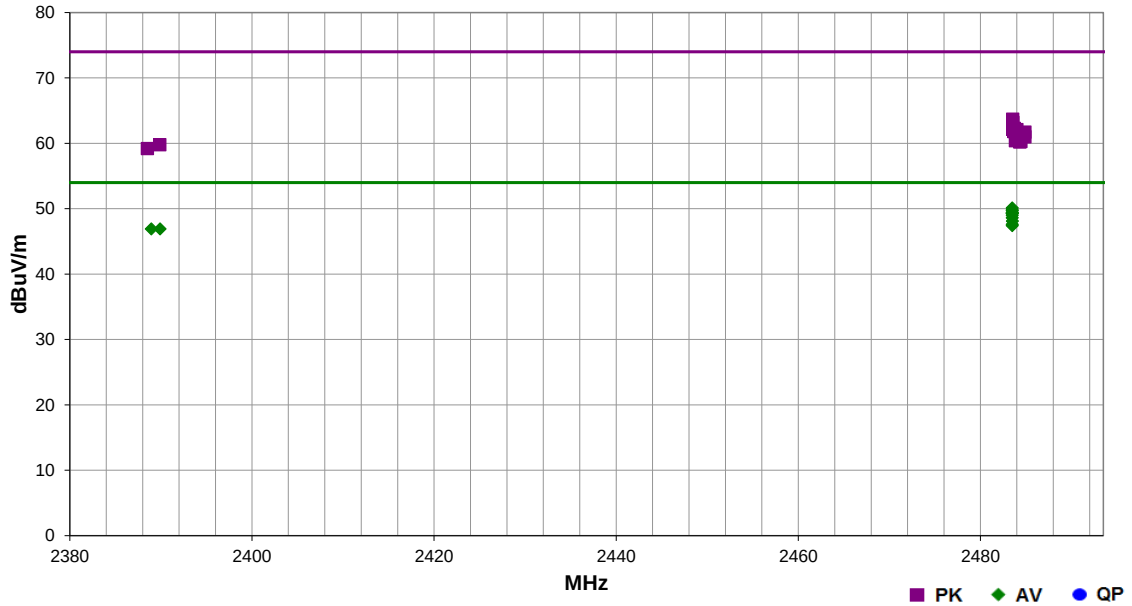
SPURIOUS RADIATED EMISSIONS

EmiR5 2017.01.25 PSA-ESCI 2017.01.26

Work Order:	LYTX0018	**Date:**	03/16/17		
Project:	None	**Temperature:**	21.4 °C		
Job Site:	OC10	**Humidity:**	46.5% RH		
Serial Number:	SF00000634	**Barometric Pres.:**	1022 mbar	**Tested by:**	Johnny Candelas, Salvador Solorzano
EUT:	DC-6000-001				
Configuration:	2				
Customer:	Lytx, Inc.				
Attendees:	None				
EUT Power:	14VDC				
Operating Mode:	Low Channel (1) 2412 MHz,High Channel (11) 2463 MHz				
Deviations:	None				
Comments:	Using Client Provided Power Settings				

Test Specifications	**Test Method**
FCC 15.247:2017	ANSI C63.10:2013

Run #	39	**Test Distance (m)**	3	**Antenna Height(s)**	1 to 4(m)	**Results**	Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2483.500	27.8	2.3	1.5	92.0	3.0	20.0	Horz	AV	0.0	50.1	54.0	-3.9	EUT Vert, High Ch 11, 6Mbps
2483.500	27.5	2.3	1.5	156.0	3.0	20.0	Vert	AV	0.0	49.8	54.0	-4.2	EUT Side, High Ch 11, 6Mbps
2483.500	27.4	2.3	1.5	41.0	3.0	20.0	Vert	AV	0.0	49.7	54.0	-4.3	EUT Horz, High Ch 11, 6Mbps
2483.500	27.1	2.3	1.5	92.0	3.0	20.0	Horz	AV	0.0	49.4	54.0	-4.6	EUT Vert, High Ch 11, MCS7 Mbps
2483.503	27.0	2.3	1.5	92.0	3.0	20.0	Horz	AV	0.0	49.3	54.0	-4.7	EUT Vert, High Ch 11, 36Mbps
2483.500	27.0	2.3	1.5	92.0	3.0	20.0	Horz	AV	0.0	49.3	54.0	-4.7	EUT Vert, High Ch 11, 54Mbps
2483.500	27.0	2.3	1.5	92.0	3.0	20.0	Horz	AV	0.0	49.3	54.0	-4.7	EUT Vert, High Ch 11, MCS0 Mbps
2483.507	26.7	2.3	1.5	78.0	3.0	20.0	Vert	AV	0.0	49.0	54.0	-5.0	EUT Vert, High Ch 11, 6Mbps
2483.503	26.3	2.3	1.5	231.0	3.0	20.0	Horz	AV	0.0	48.6	54.0	-5.4	EUT Horz, High Ch 11, 6Mbps
2483.517	25.8	2.3	1.5	108.0	3.0	20.0	Horz	AV	0.0	48.1	54.0	-5.9	EUT Side, High Ch 11, 6Mbps
2483.500	25.3	2.3	1.5	92.0	3.0	20.0	Horz	AV	0.0	47.6	54.0	-6.4	EUT Vert, High Ch 11, 1Mbps
2483.503	25.1	2.3	1.5	92.0	3.0	20.0	Horz	AV	0.0	47.4	54.0	-6.6	EUT Vert, High Ch 11, 11Mbps
2389.917	24.9	2.0	1.5	92.0	3.0	20.0	Horz	AV	0.0	46.9	54.0	-7.1	EUT Vert, Low Ch 1, 1Mbps
2388.963	24.9	2.0	1.5	92.0	3.0	20.0	Horz	AV	0.0	46.9	54.0	-7.1	EUT Vert, Low Ch 1, 6Mbps
2483.540	41.4	2.3	1.5	92.0	3.0	20.0	Horz	PK	0.0	63.7	74.0	-10.3	EUT Vert, High Ch 11, 54Mbps
2483.567	40.9	2.3	1.5	92.0	3.0	20.0	Horz	PK	0.0	63.2	74.0	-10.8	EUT Vert, High Ch 11, 36Mbps
2483.697	40.0	2.3	1.5	156.0	3.0	20.0	Vert	PK	0.0	62.3	74.0	-11.7	EUT Side, High Ch 11, 6Mbps
2483.543	39.9	2.3	1.5	92.0	3.0	20.0	Horz	PK	0.0	62.2	74.0	-11.8	EUT Vert, High Ch 11, MCS7 Mbps
2484.010	39.8	2.3	1.5	92.0	3.0	20.0	Horz	PK	0.0	62.1	74.0	-11.9	EUT Vert, High Ch 11, 6Mbps
2483.800	39.8	2.3	1.5	92.0	3.0	20.0	Horz	PK	0.0	62.1	74.0	-11.9	EUT Vert, High Ch 11, MCS0 Mbps
2483.677	39.5	2.3	1.5	41.0	3.0	20.0	Vert	PK	0.0	61.8	74.0	-12.2	EUT Horz, High Ch 11, 6Mbps
2484.883	39.4	2.3	1.5	231.0	3.0	20.0	Horz	PK	0.0	61.7	74.0	-12.3	EUT Horz, High Ch 11, 6Mbps

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Test Distance (meters)	External Attenuation (dB)	Polarity/ Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2484.883	38.7	2.3	1.5	78.0	3.0	20.0	Vert	PK	0.0	61.0	74.0	-13.0	EUT Vert, High Ch 11, 6Mbps
2483.853	38.1	2.3	1.5	108.0	3.0	20.0	Horz	PK	0.0	60.4	74.0	-13.6	EUT Side, High Ch 11, 6Mbps
2484.437	38.0	2.3	1.5	92.0	3.0	20.0	Horz	PK	0.0	60.3	74.0	-13.7	EUT Vert, High Ch 11, 1Mbps
2484.330	37.9	2.3	1.5	92.0	3.0	20.0	Horz	PK	0.0	60.2	74.0	-13.8	EUT Vert, High Ch 11, 11Mbps
2389.887	37.8	2.0	1.5	92.0	3.0	20.0	Horz	PK	0.0	59.8	74.0	-14.2	EUT Vert, Low Ch 1, 1Mbps
2388.513	37.2	2.0	1.5	92.0	3.0	20.0	Horz	PK	0.0	59.2	74.0	-14.8	EUT Vert, Low Ch 1, 6Mbps

DUTY CYCLE

XMit 2017.01.26

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.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	2/5/2018
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	NCR
Attenuator	Fairview Microwave	SA18H-20	TKR	1/5/2017	1/5/2018
Block - DC	Fairview Microwave	SD3379	AMV	1/11/2017	1/11/2018
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFA	11/2/2016	11/2/2017

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. 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 duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

If the transmit duty cycle < 98 percent, burst gating may have been used during some of the other tests in this report to only take the measurement during the burst duration.

DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

EUT:	**DC-6000-001**			**Work Order:**	**LYTX0018**
Serial Number:	**SF00000634**			**Date:**	**03/14/17**
Customer:	**Lytx, Inc.**			**Temperature:**	**21.2 °C**
Attendees:	**None**			**Humidity:**	**46.6% RH**
Project:	**None**			**Barometric Pres.:**	**1022 mbar**
Tested by:	**Mike Tran**	**Power:**	**14VDC**	**Job Site:**	**OC13**
TEST SPECIFICATIONS		**Test Method**			
FCC 15.247:2017		ANSI C63.10:2013			

COMMENTS

Using client provided power settings. DC Block/20dB Attenuator + Coax Cable + Patch Cable = 23.62 dB Total Offset

DEVIATIONS FROM TEST STANDARD

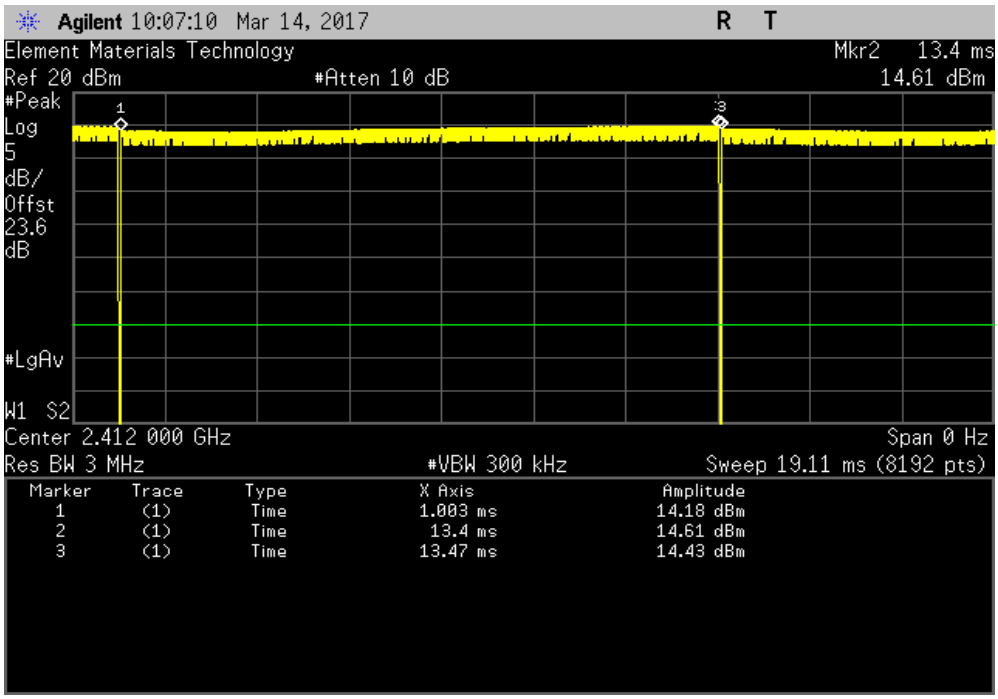
None

Configuration #	**1**	*Signature*

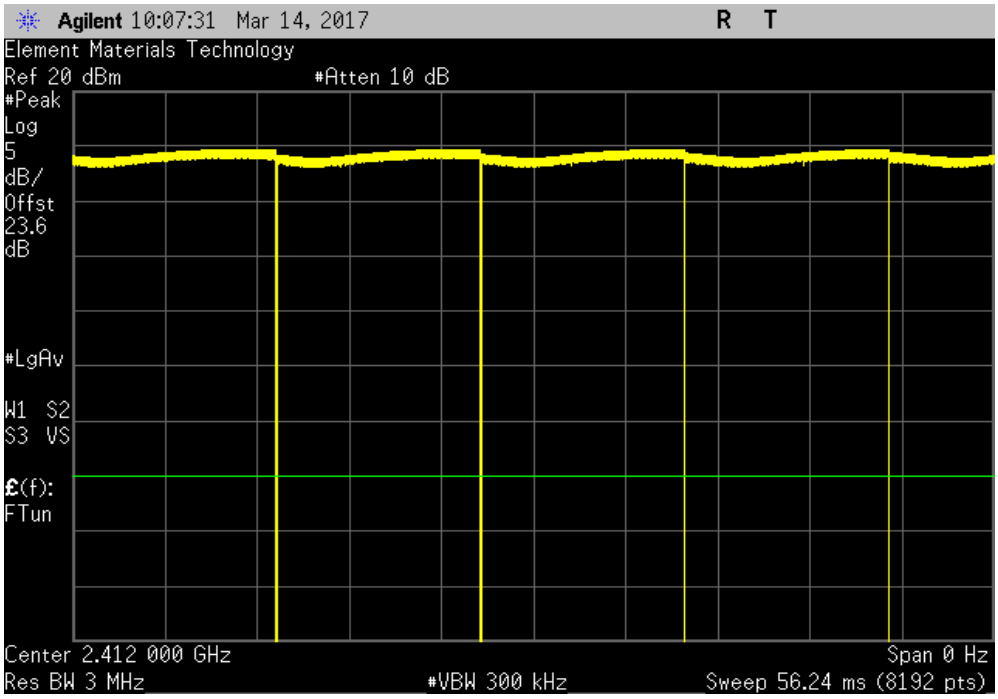
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
2400 MHz - 2483.5 MHz Band						
802.11(b) 1 Mbps						
Low Channel 1, 2412 MHz	12.402 ms	12.467 ms	1	99.5	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	12.409 ms	12.467 ms	1	99.5	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	5	N/A	N/A	N/A
High Channel 11, 2462 MHz	12.399 ms	12.467 ms	1	99.5	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	5	N/A	N/A	N/A
802.11(b) 11 Mbps						
Low Channel 1, 2412 MHz	1.299 ms	1.354 ms	1	95.9	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	1.28 ms	1.348 ms	1	95	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A
High Channel 11, 2462 MHz	1.266 ms	1.355 ms	1	93.5	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A
802.11(g) 6 Mbps						
Low Channel 1, 2412 MHz	2.052 ms	2.121 ms	1	96.8	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	935.539 us	1.007 ms	1	92.9	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	4	N/A	N/A	N/A
High Channel 11, 2462 MHz	2.039 ms	2.12 ms	1	96.2	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	9	N/A	N/A	N/A
802.11(g) 36 Mbps						
Low Channel 1, 2412 MHz	354.237 us	420.956 us	1	84.2	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	353.782 us	420.467 us	1	84.1	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A
High Channel 11, 2462 MHz	354.758 us	420.9 us	1	84.3	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A
802.11(g) 54 Mbps						
Low Channel 1, 2412 MHz	354.266 us	422.165 us	1	83.9	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	5	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	238.883 us	305.025 us	1	78.3	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	7	N/A	N/A	N/A
High Channel 11, 2462 MHz	235.607 us	303.788 us	1	77.6	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A
802.11(n) MCS0						
Low Channel 1, 2412 MHz	1.395 ms	1.465 ms	1	95.2	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	11	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	1.895 ms	1.977 ms	1	95.9	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	12	N/A	N/A	N/A
High Channel 11, 2462 MHz	1.9 ms	1.977 ms	1	96.1	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	11	N/A	N/A	N/A
802.11(n) MCS7						
Low Channel 1, 2412 MHz	218.574 us	291.048 us	1	75.1	N/A	N/A
Low Channel 1, 2412 MHz	N/A	N/A	6	N/A	N/A	N/A
Mid Channel 6, 2437 MHz	218.018 us	284.9 us	1	76.5	N/A	N/A
Mid Channel 6, 2437 MHz	N/A	N/A	6	N/A	N/A	N/A
High Channel 11, 2462 MHz	218.582 us	284.712 us	1	76.8	N/A	N/A
High Channel 11, 2462 MHz	N/A	N/A	6	N/A	N/A	N/A

DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	12.402 ms	12.467 ms	1	99.5	N/A	N/A

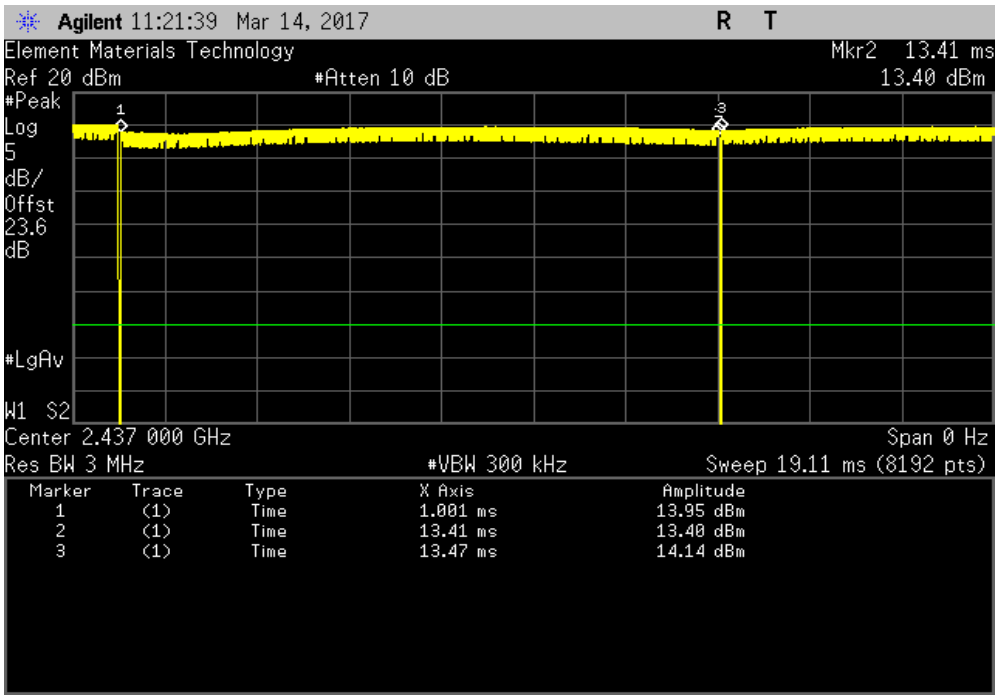


2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A

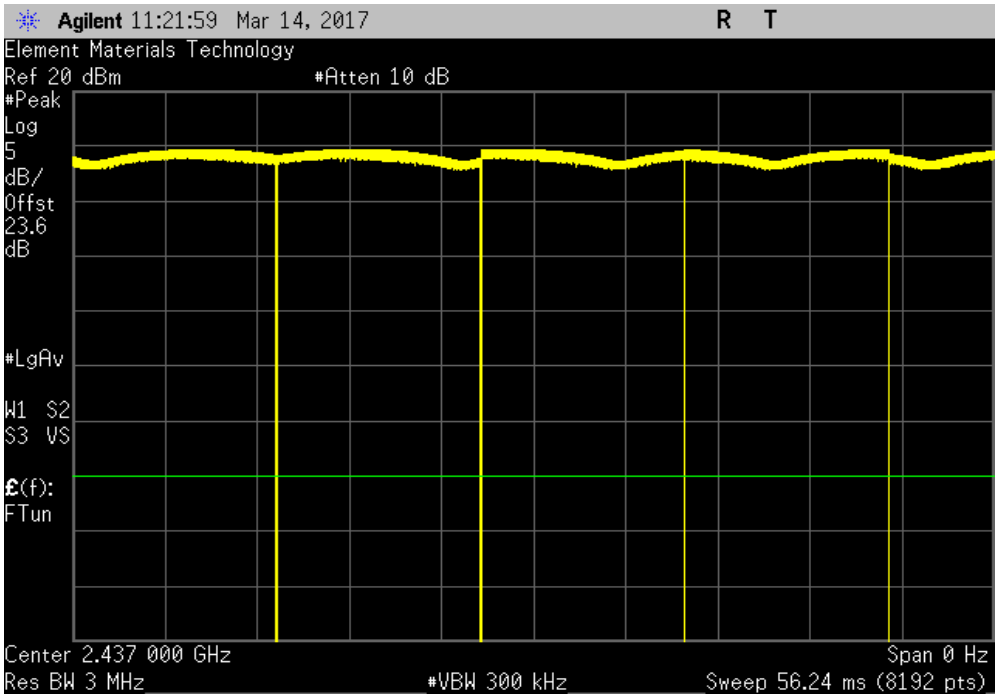


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	12.409 ms	12.467 ms	1	99.5	N/A	N/A



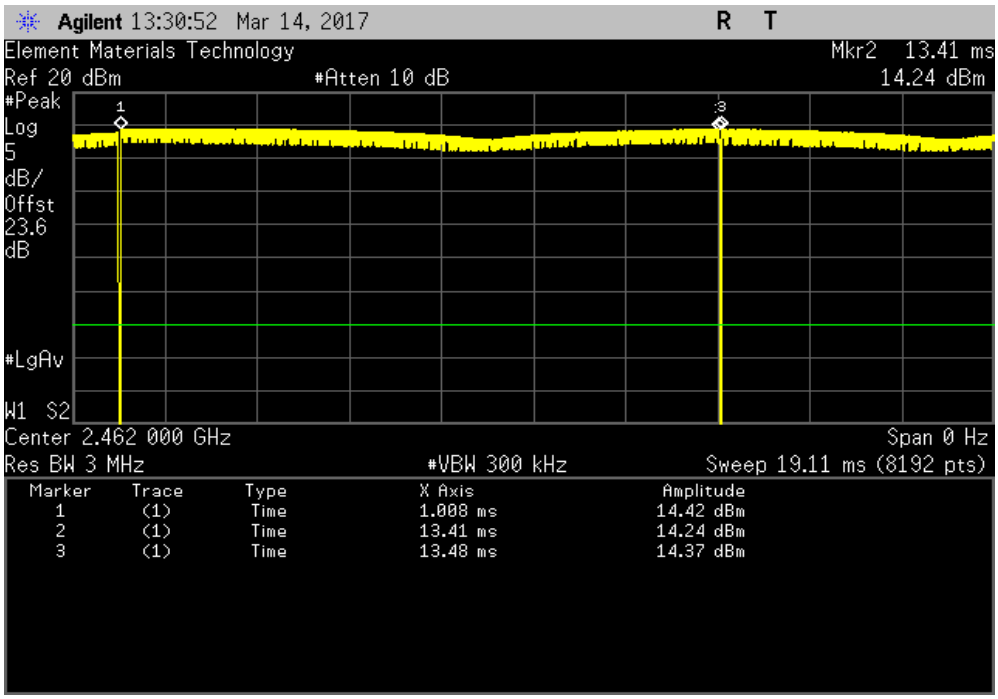
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A



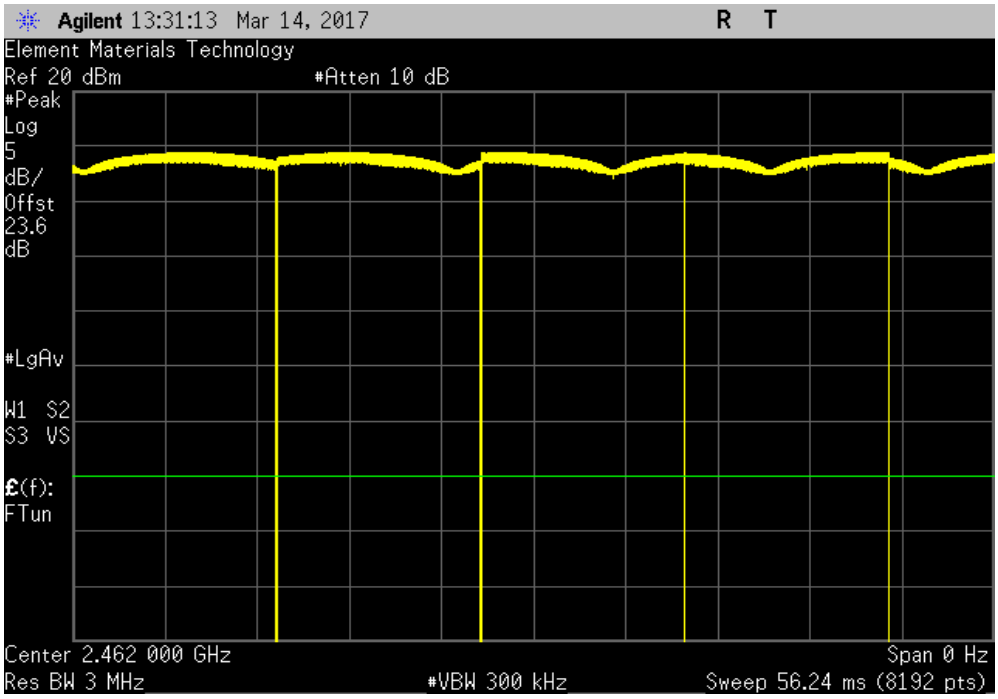
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	12.399 ms	12.467 ms	1	99.5	N/A	N/A



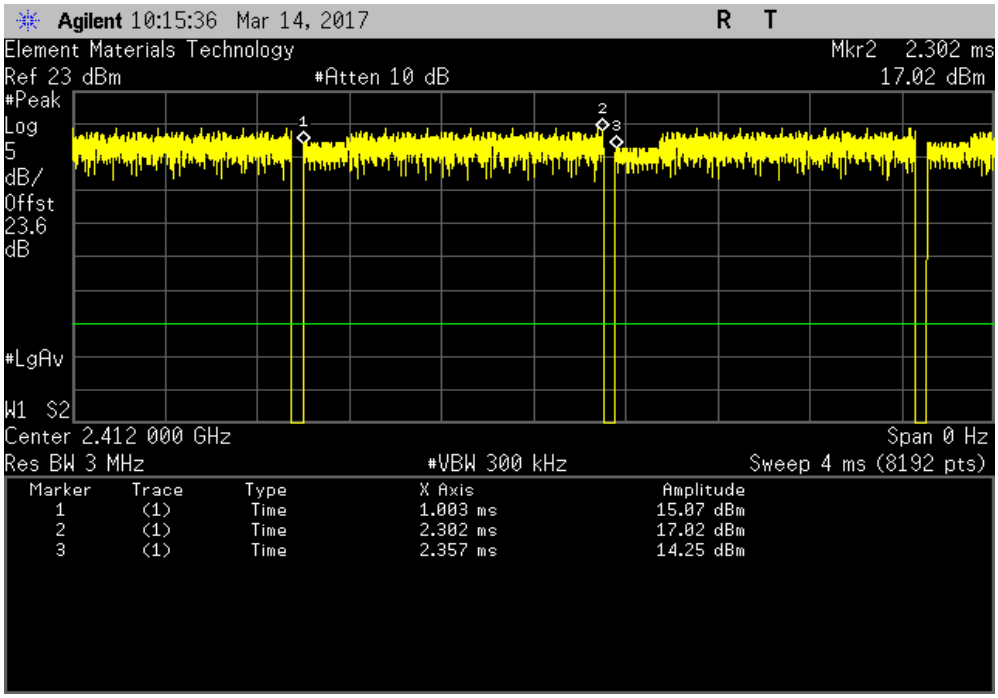
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A



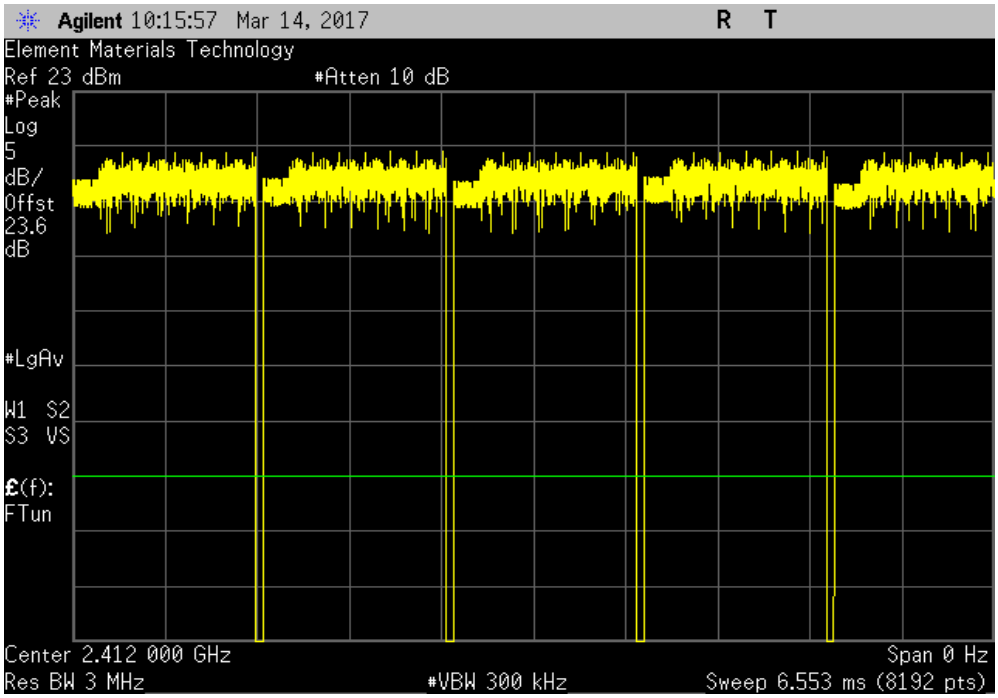
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.299 ms	1.354 ms	1	95.9	N/A	N/A



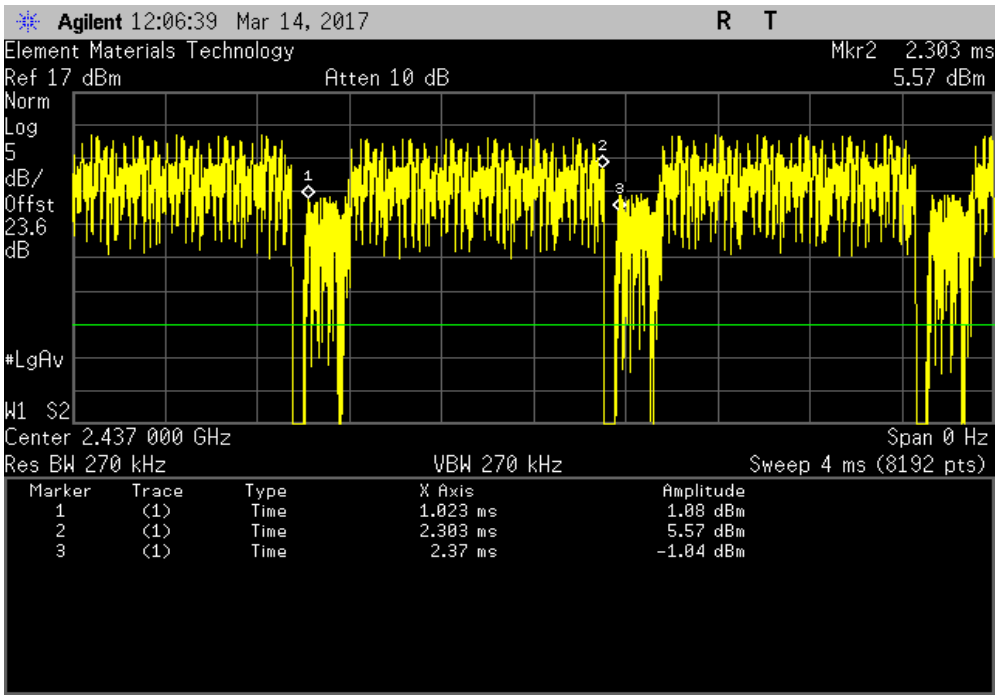
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A



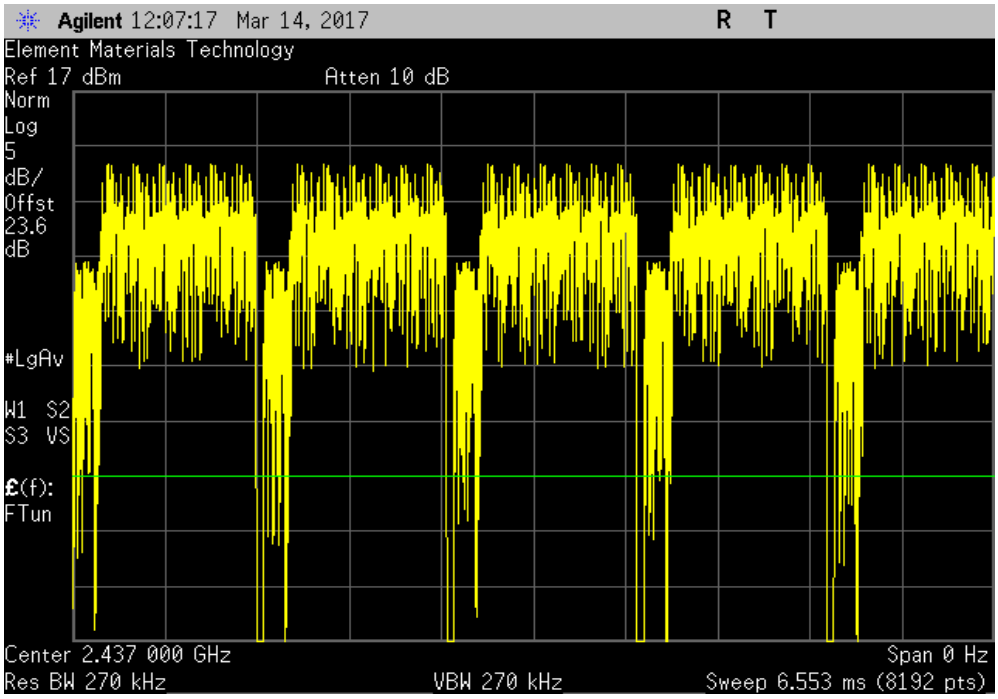
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.28 ms	1.348 ms	1	95	N/A	N/A



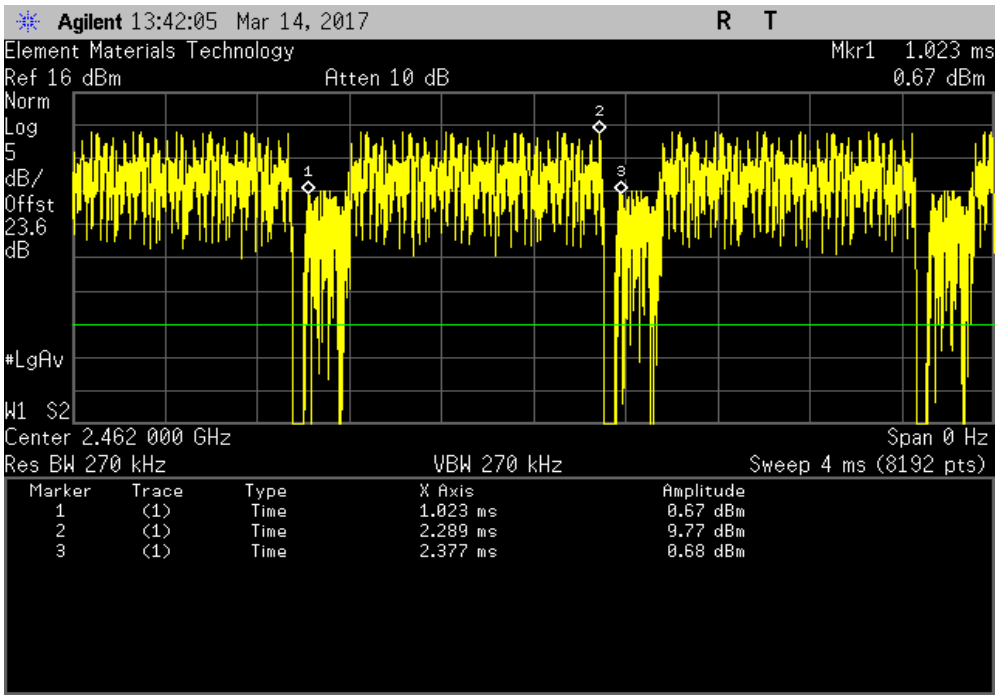
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A



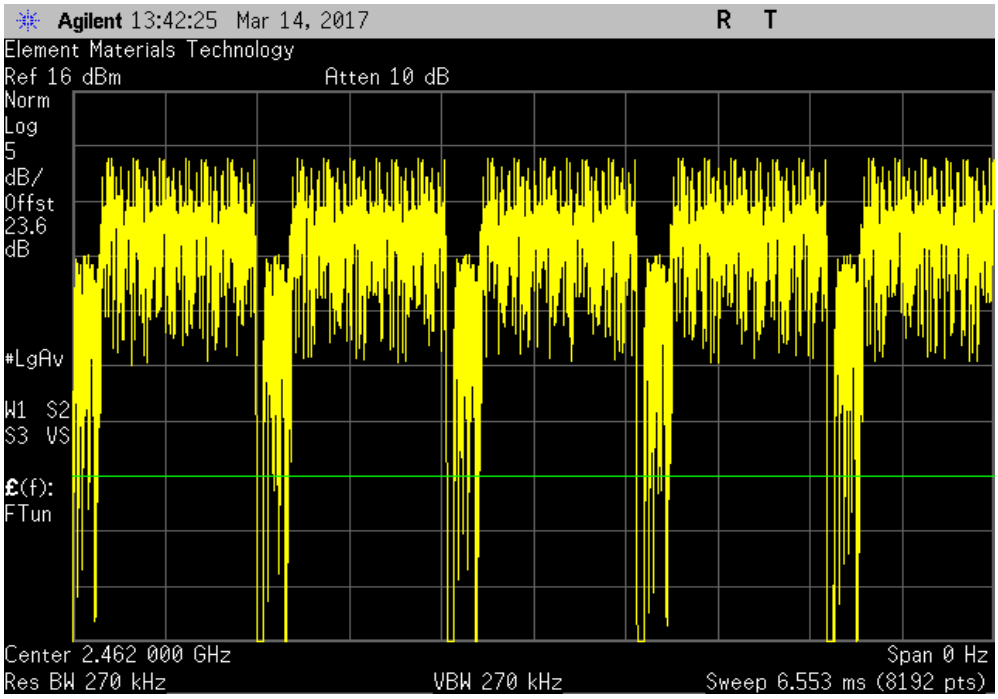
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.266 ms	1.355 ms	1	93.5	N/A	N/A



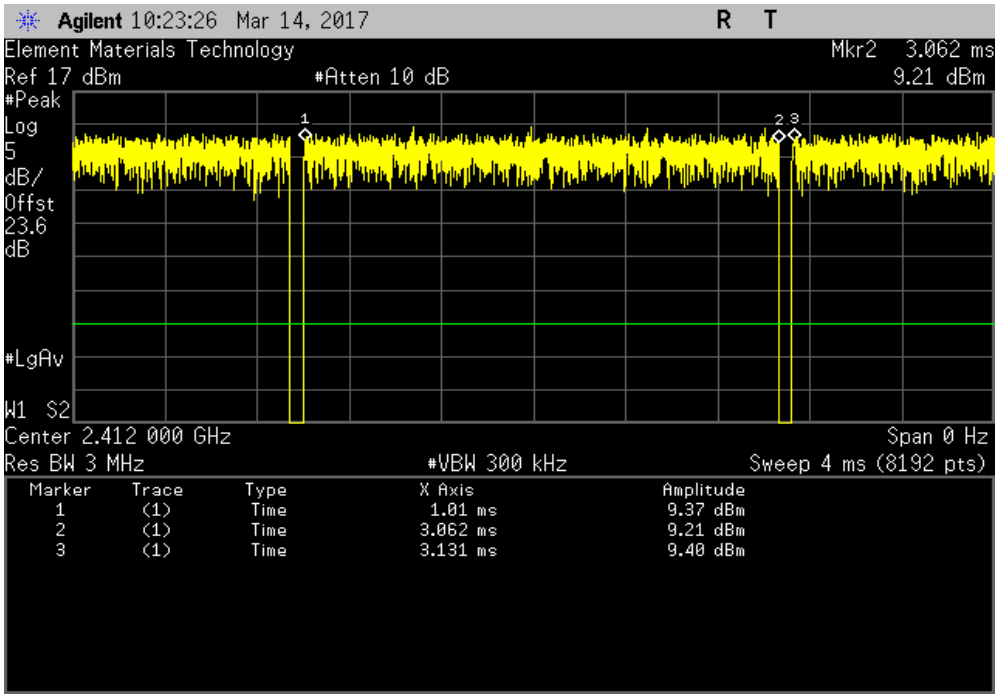
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A



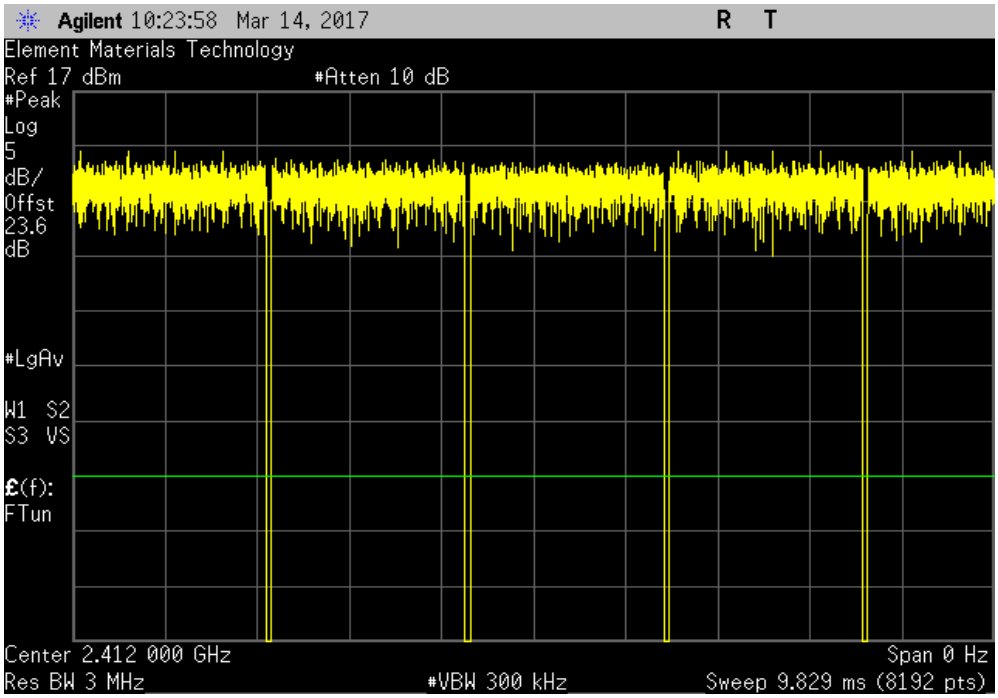
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	2.052 ms	2.121 ms	1	96.8	N/A	N/A



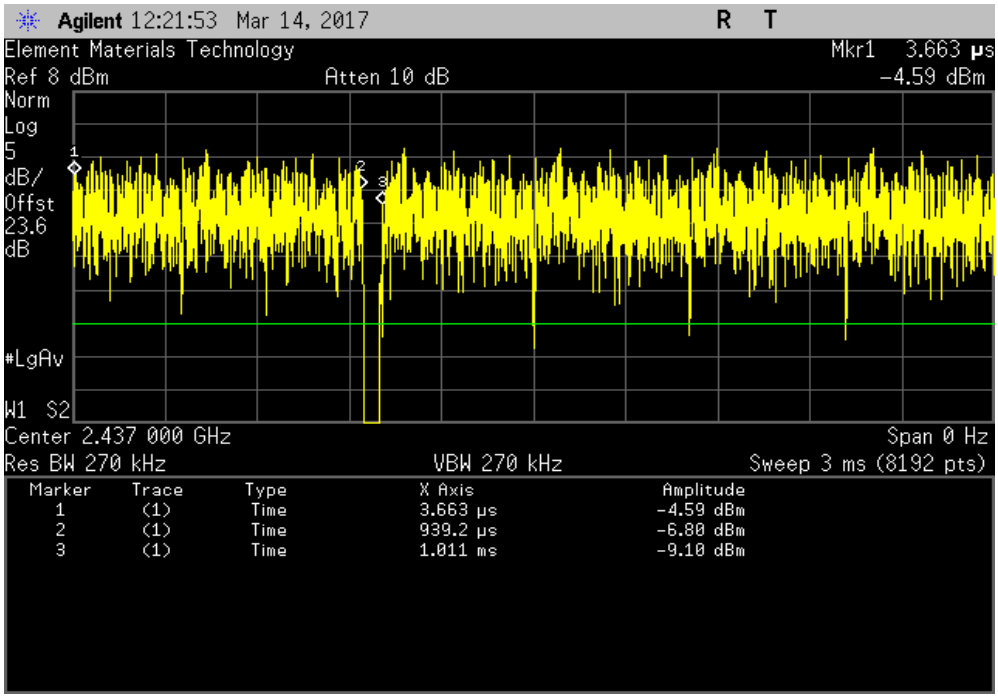
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A



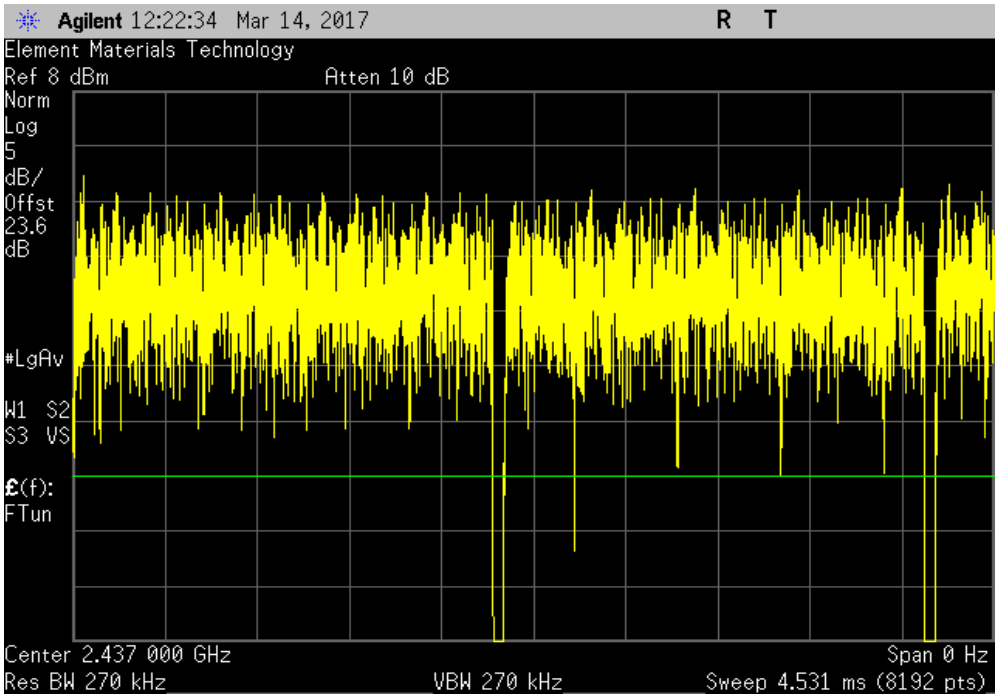
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	935.539 us	1.007 ms	1	92.9	N/A	N/A



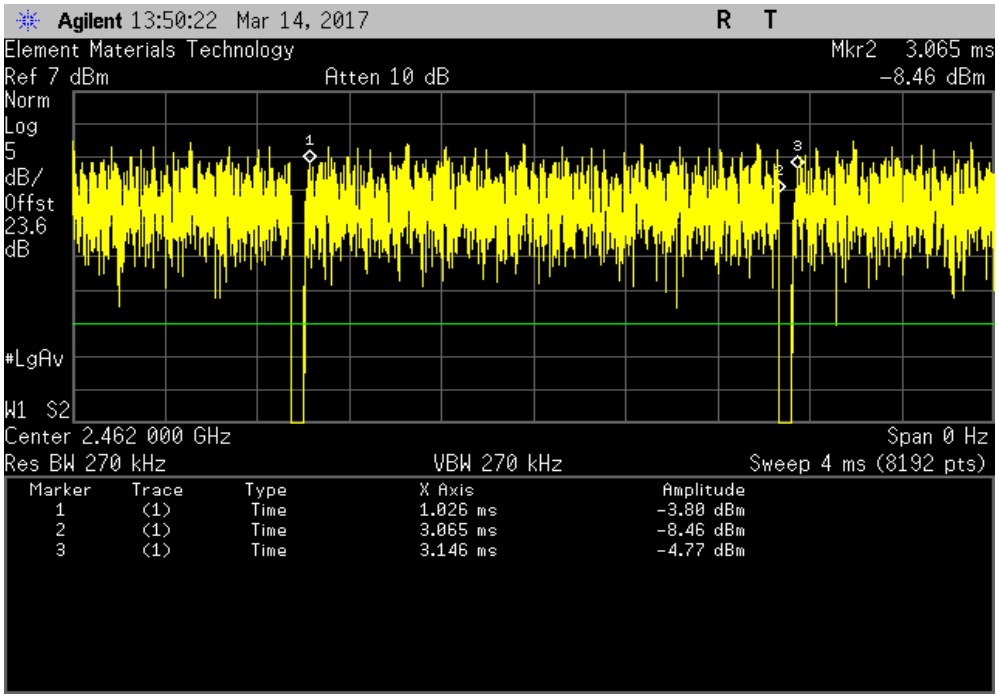
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	4	N/A	N/A	N/A



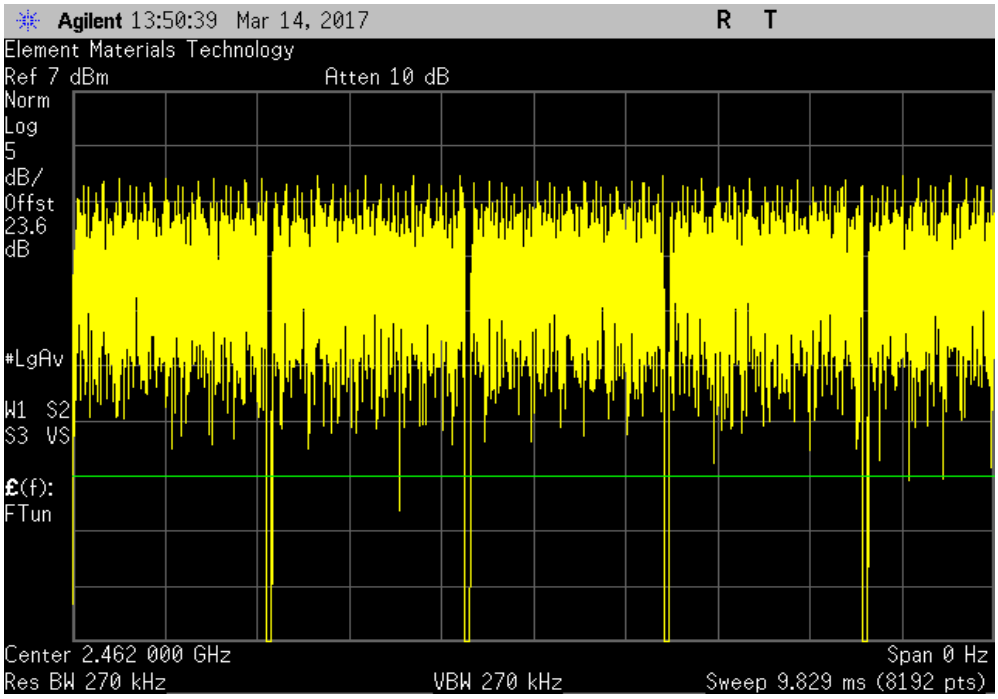
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	2.039 ms	2.12 ms	1	96.2	N/A	N/A



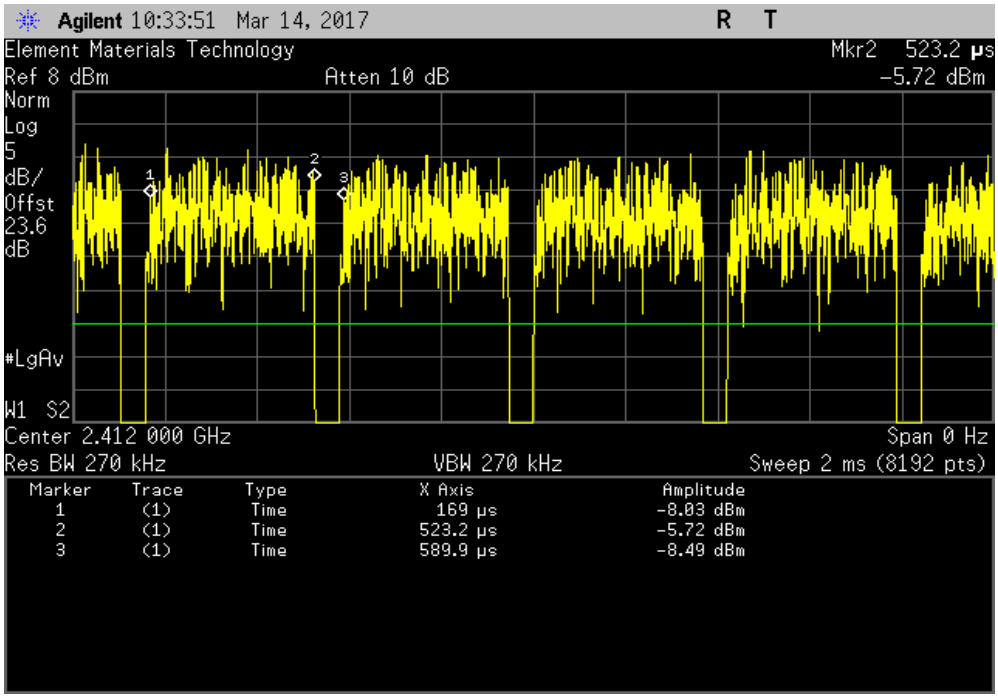
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	9	N/A	N/A	N/A



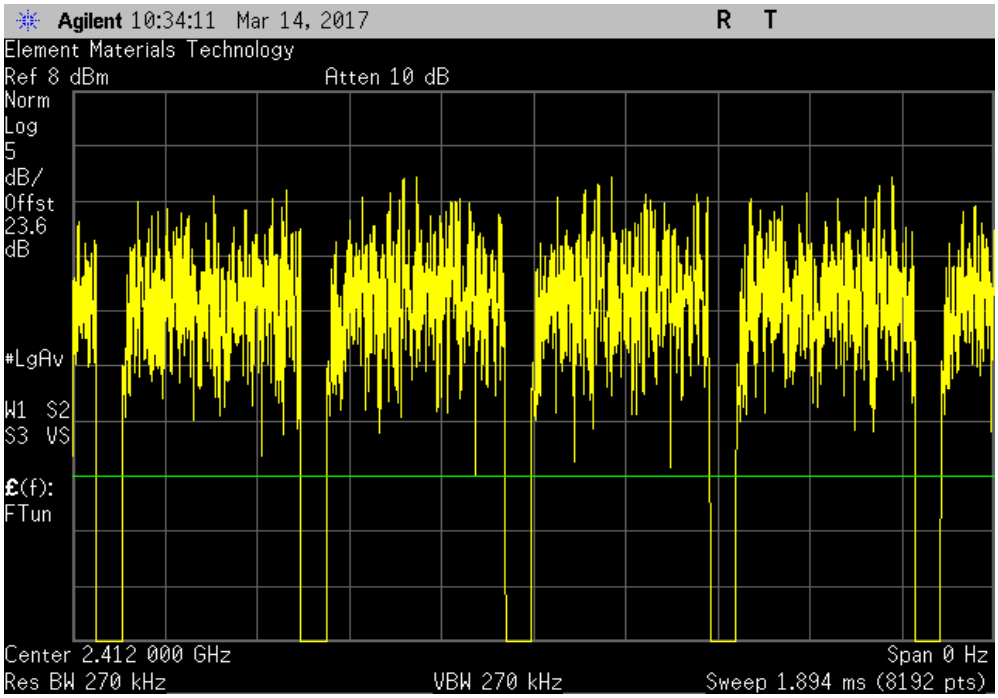
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	354.237 us	420.956 us	1	84.2	N/A	N/A



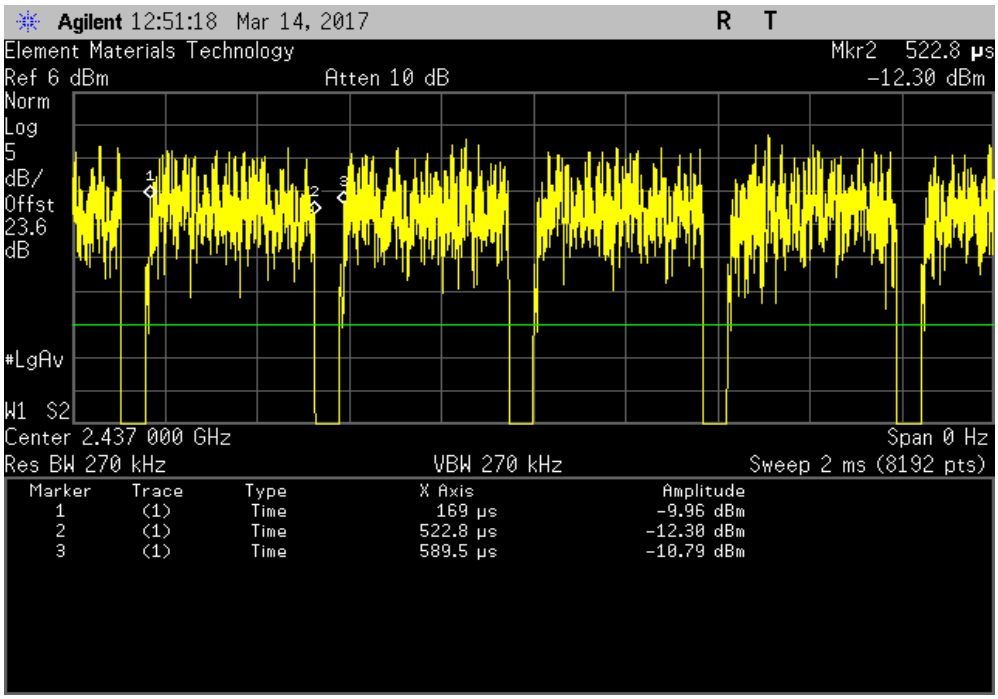
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A



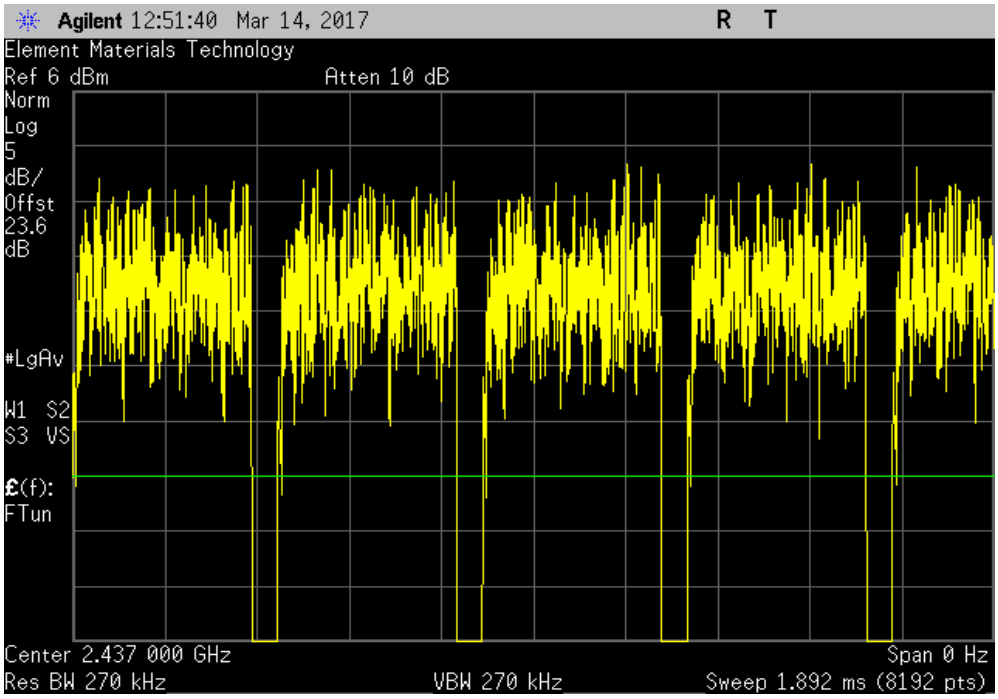
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	353.782 us	420.467 us	1	84.1	N/A	N/A



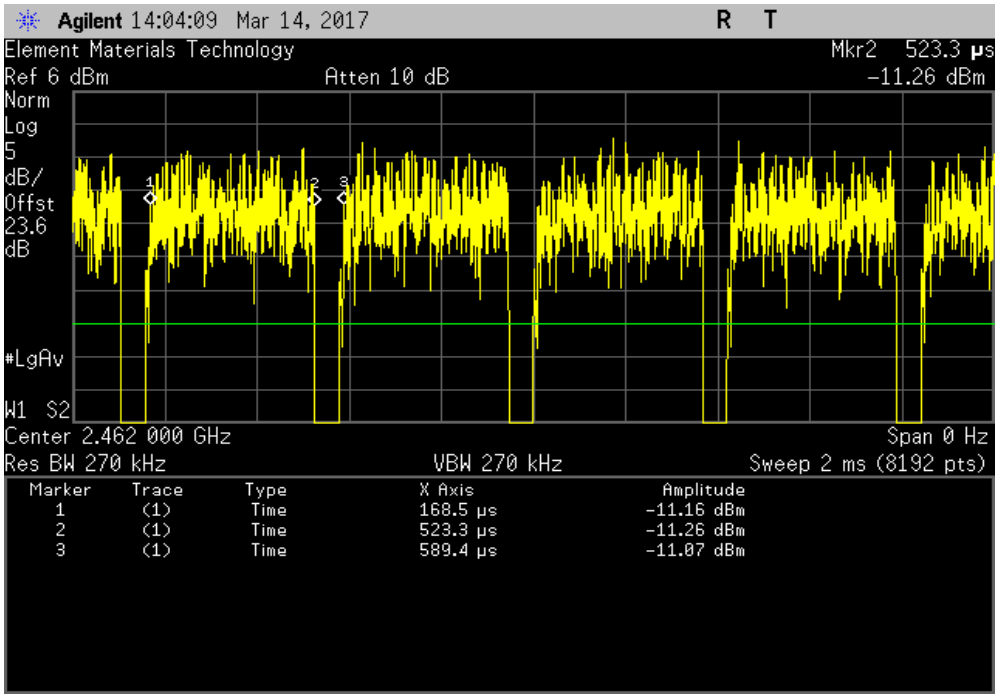
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A



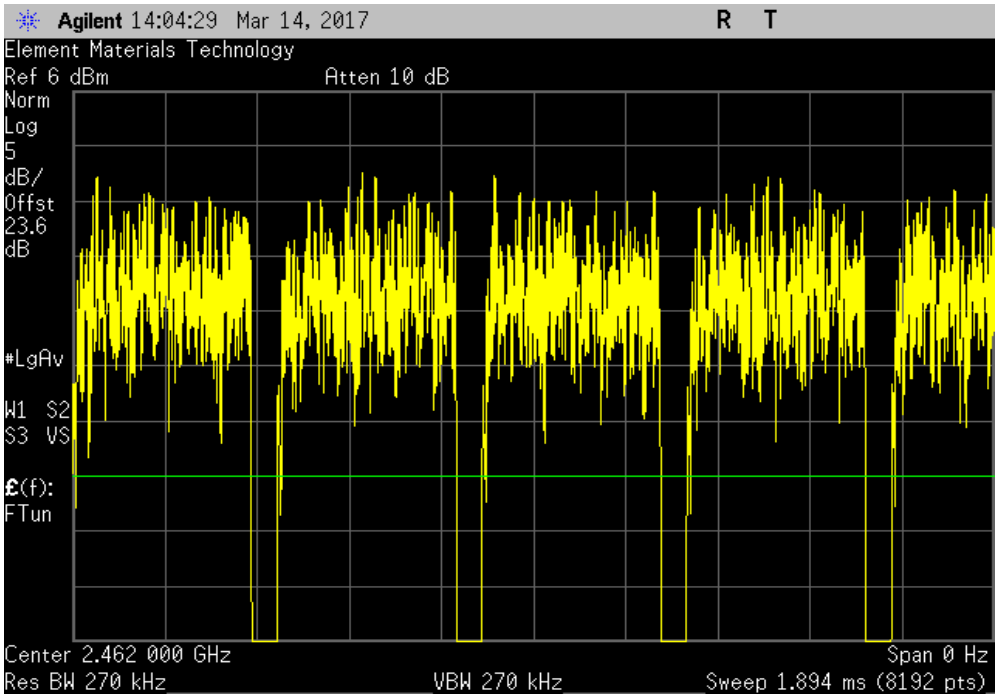
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	354.758 us	420.9 us	1	84.3	N/A	N/A



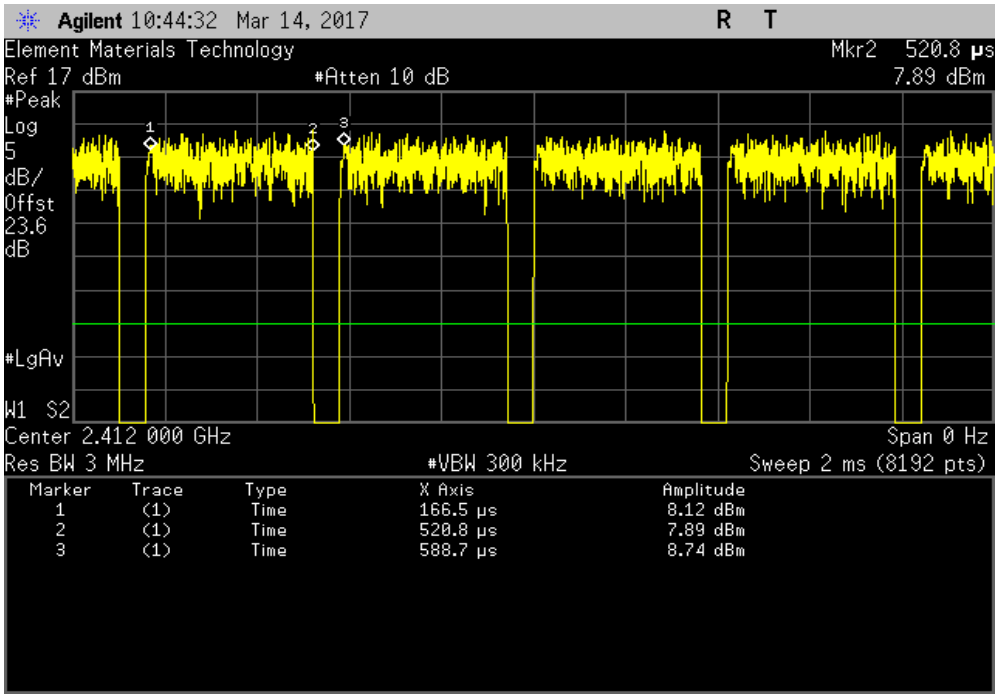
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A



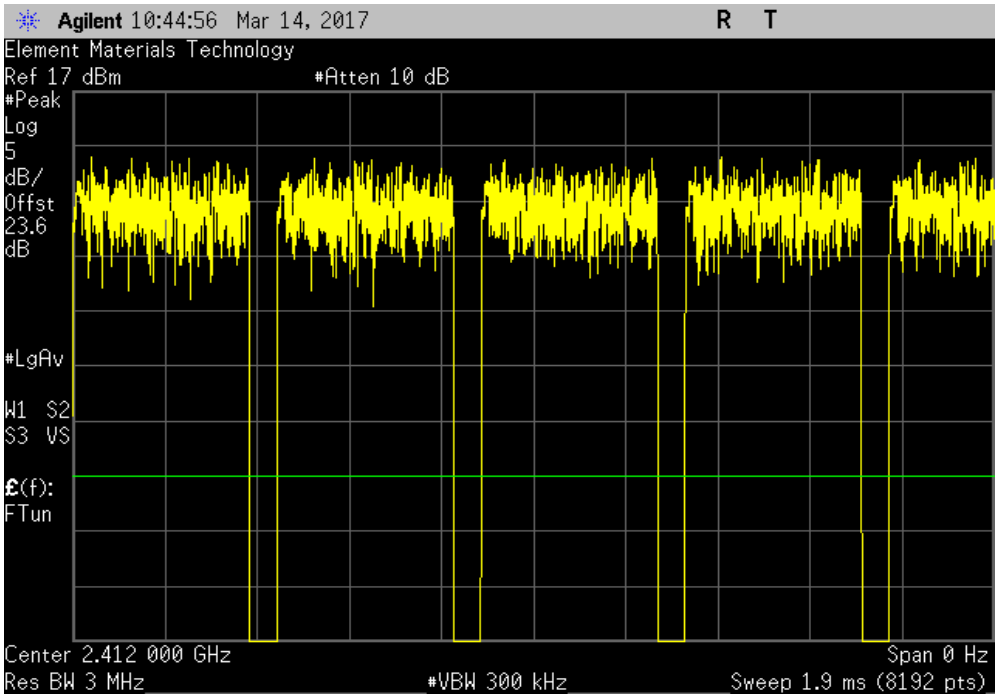
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	354.266 us	422.165 us	1	83.9	N/A	N/A



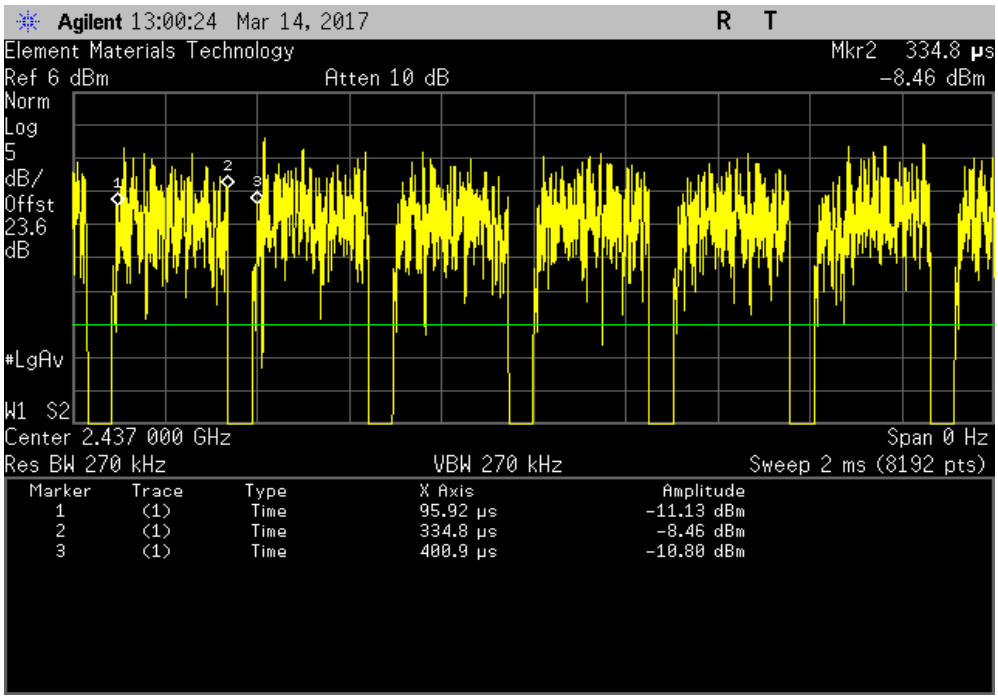
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	5	N/A	N/A	N/A



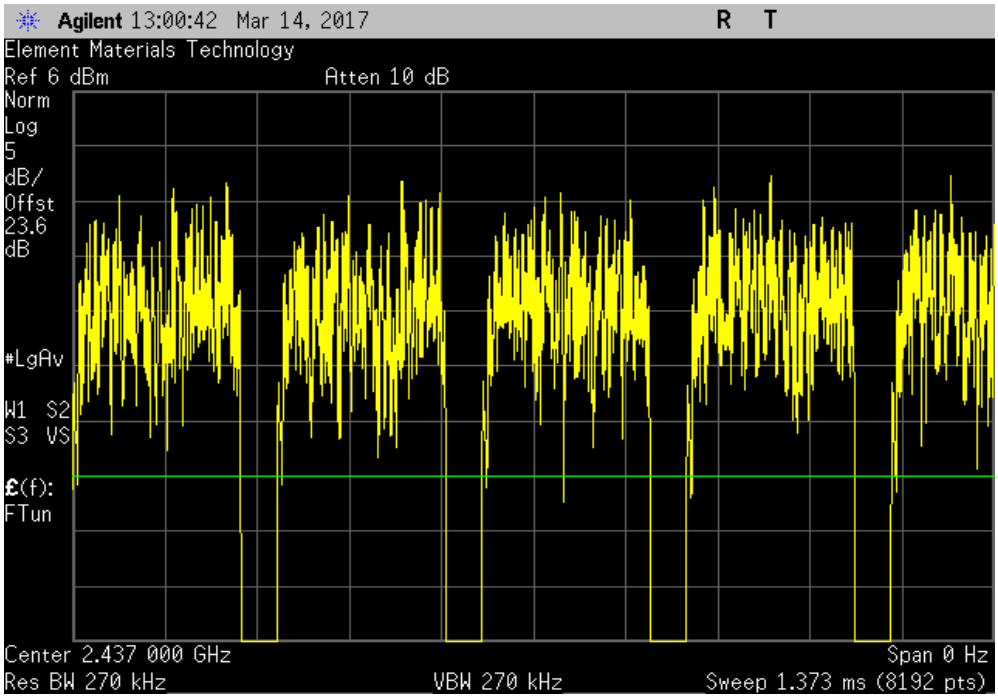
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	238.883 us	305.025 us	1	78.3	N/A	N/A



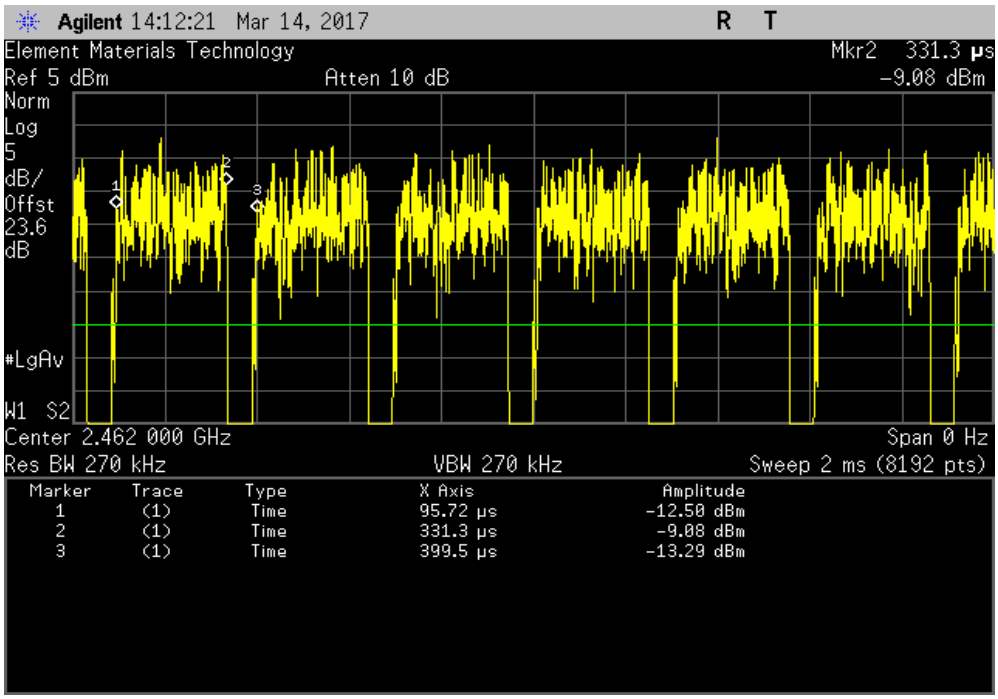
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	7	N/A	N/A	N/A



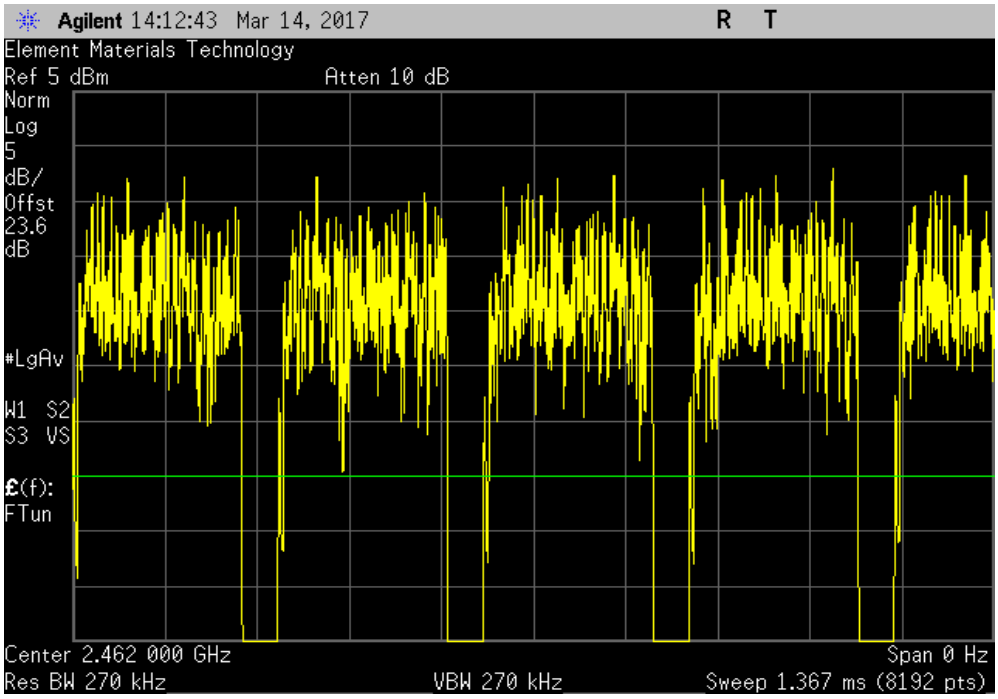
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	235.607 us	303.788 us	1	77.6	N/A	N/A

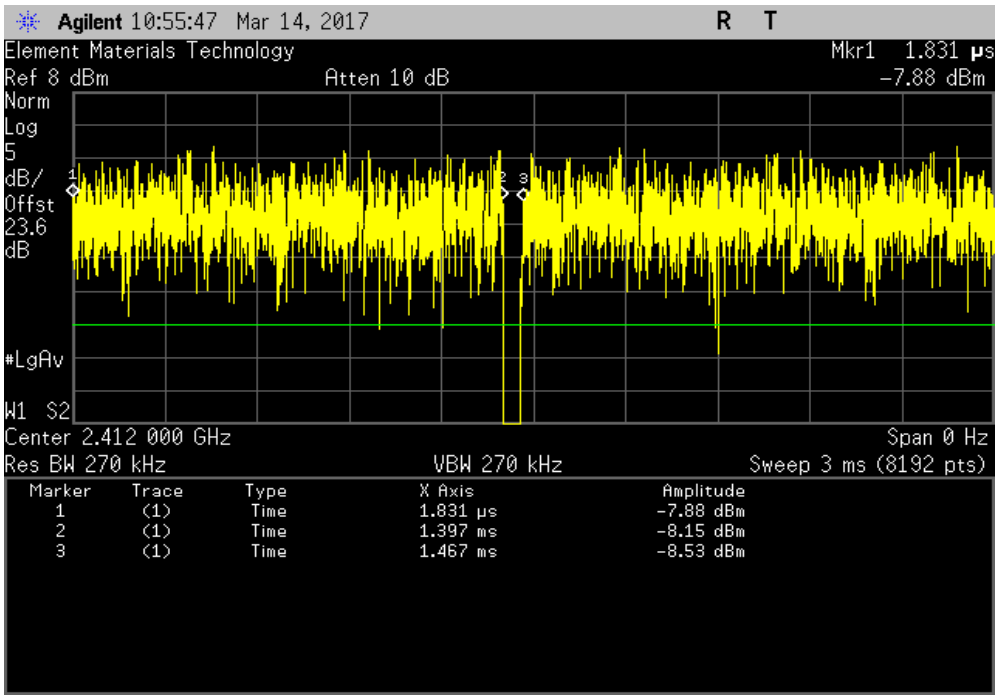


2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

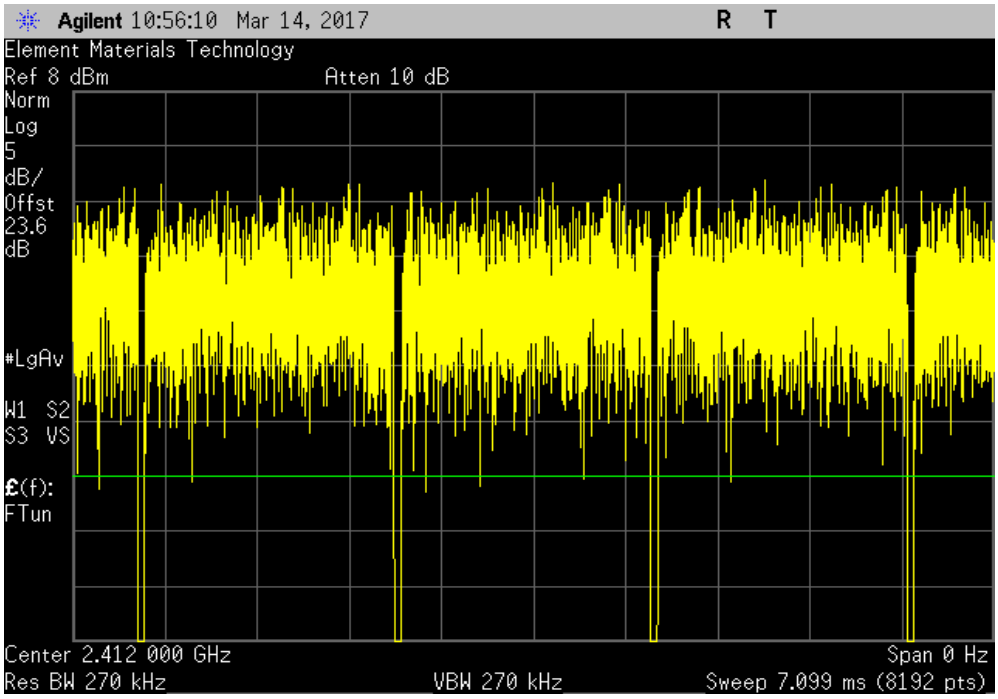


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.395 ms	1.465 ms	1	95.2	N/A	N/A

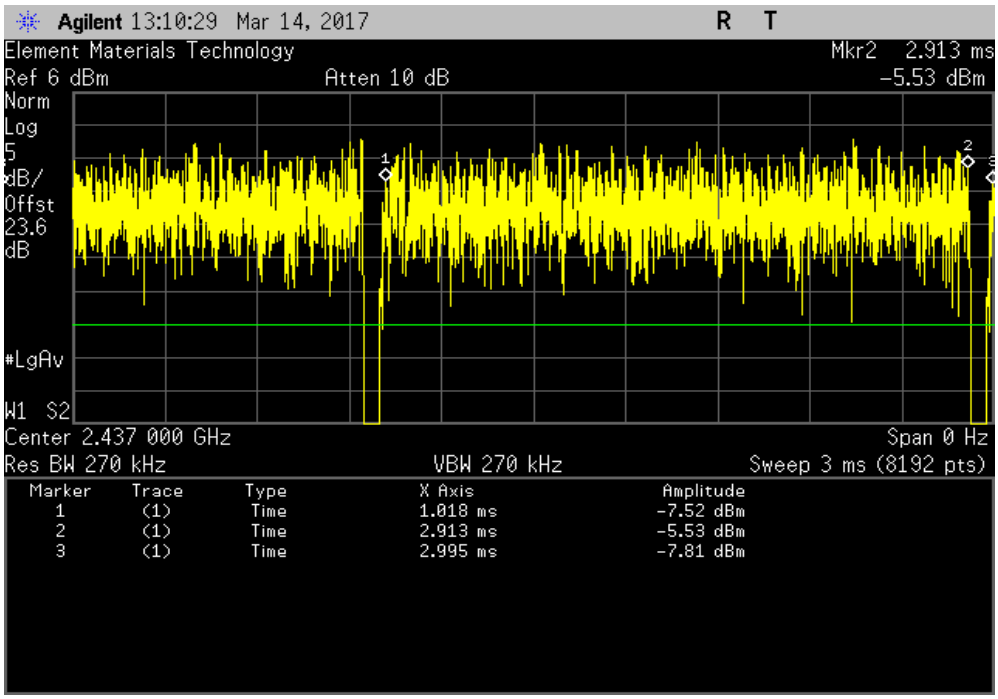


2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	11	N/A	N/A	N/A

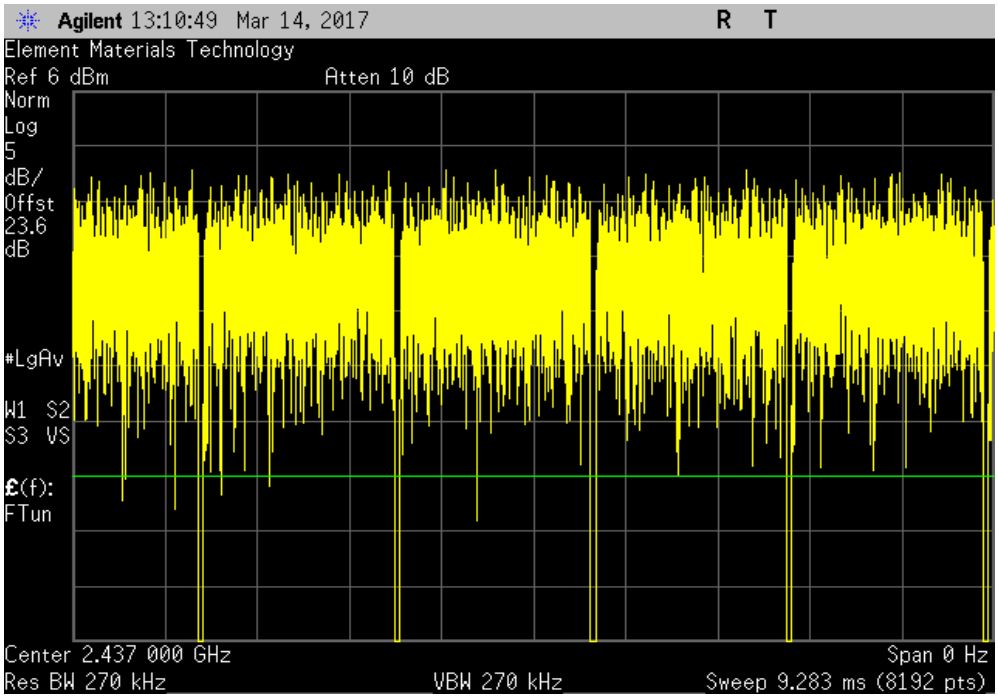


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.895 ms	1.977 ms	1	95.9	N/A	N/A



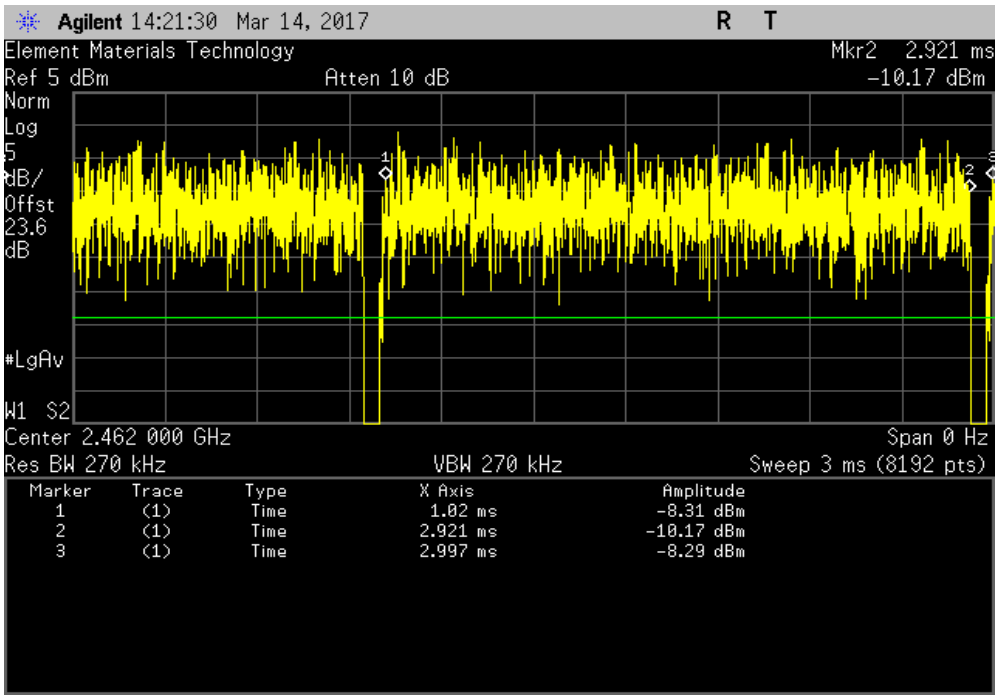
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	12	N/A	N/A	N/A



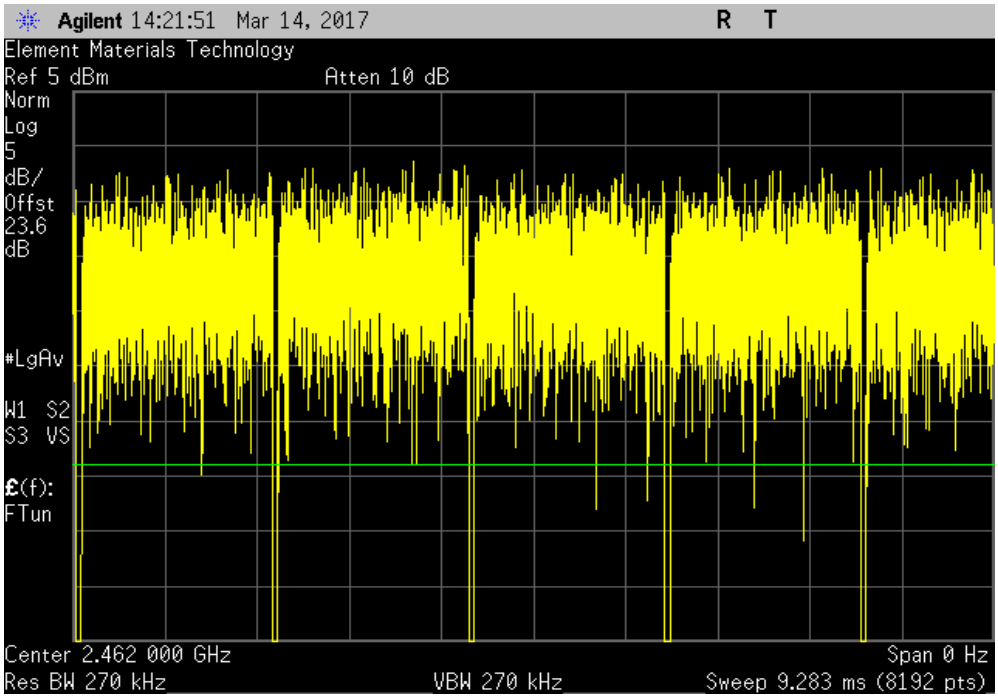
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	1.9 ms	1.977 ms	1	96.1	N/A	N/A



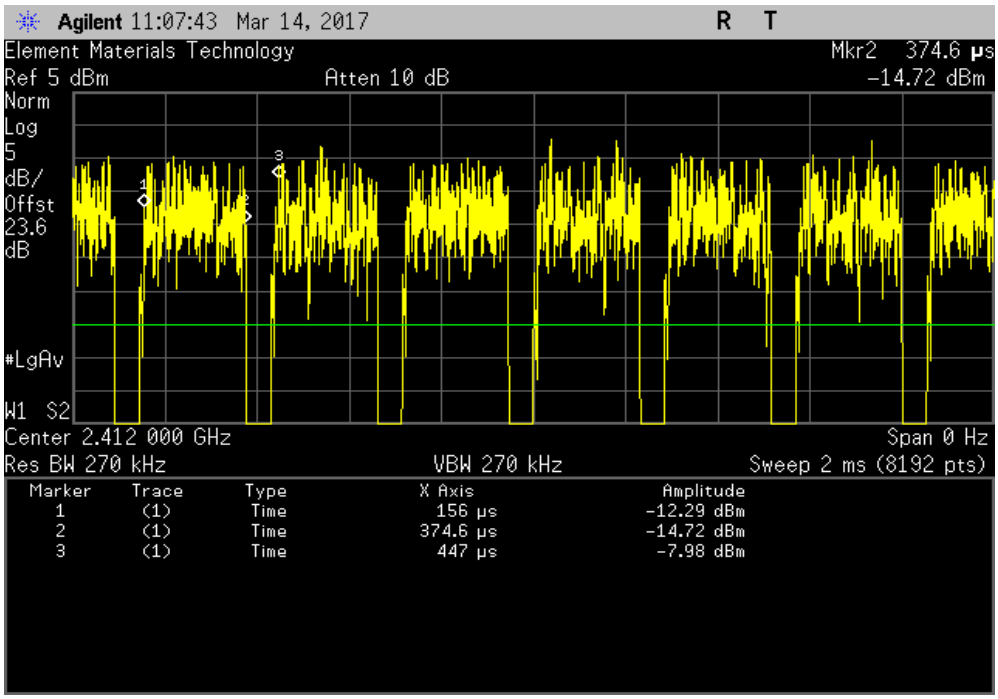
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	11	N/A	N/A	N/A



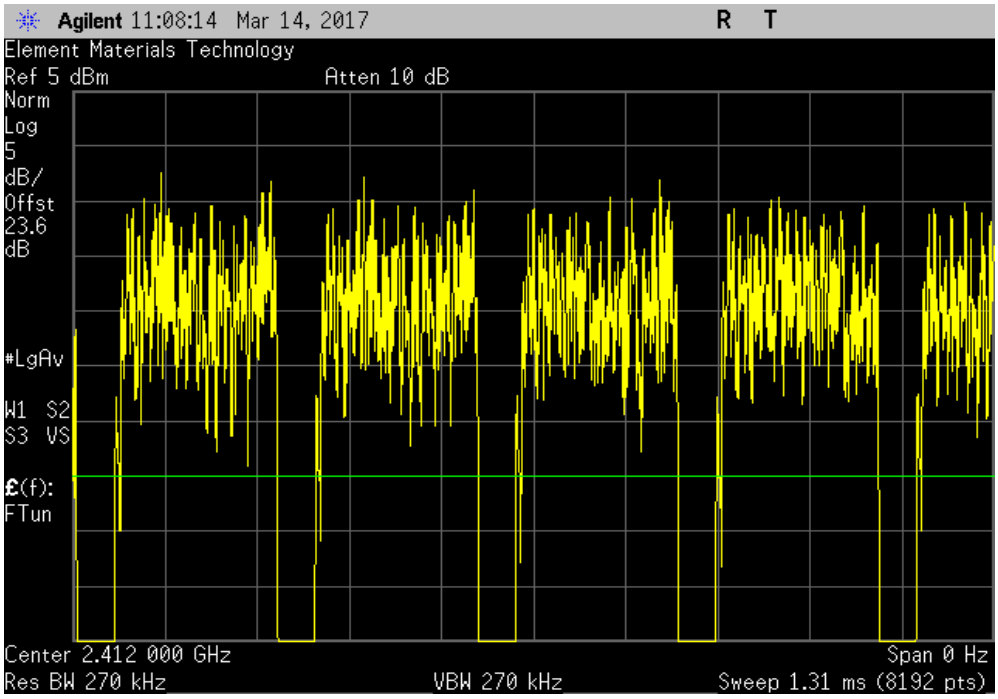
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	218.574 us	291.048 us	1	75.1	N/A	N/A

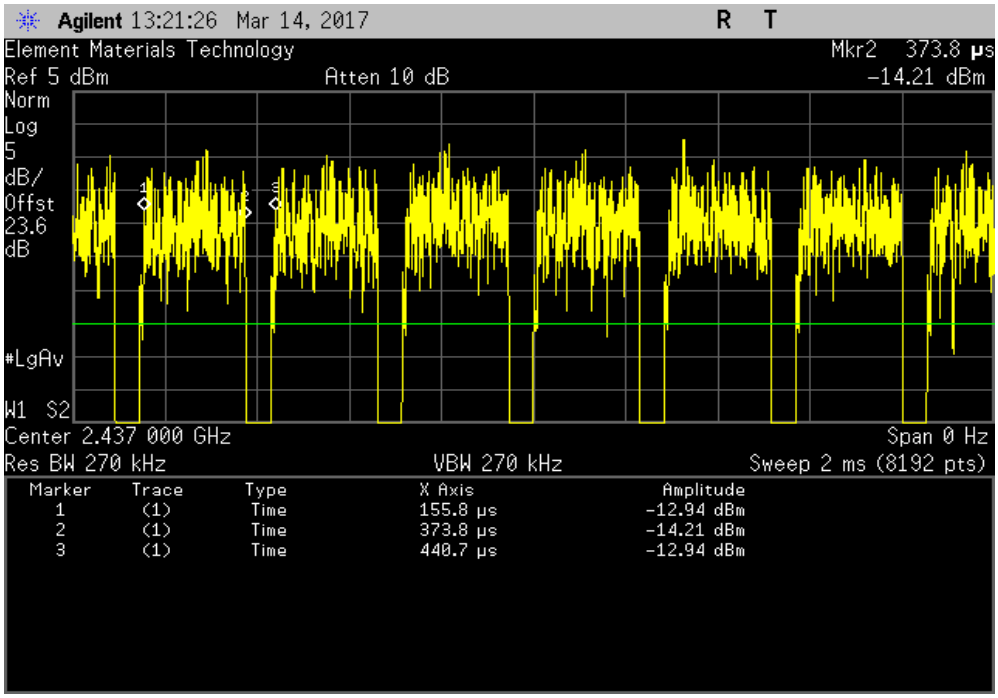


2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A

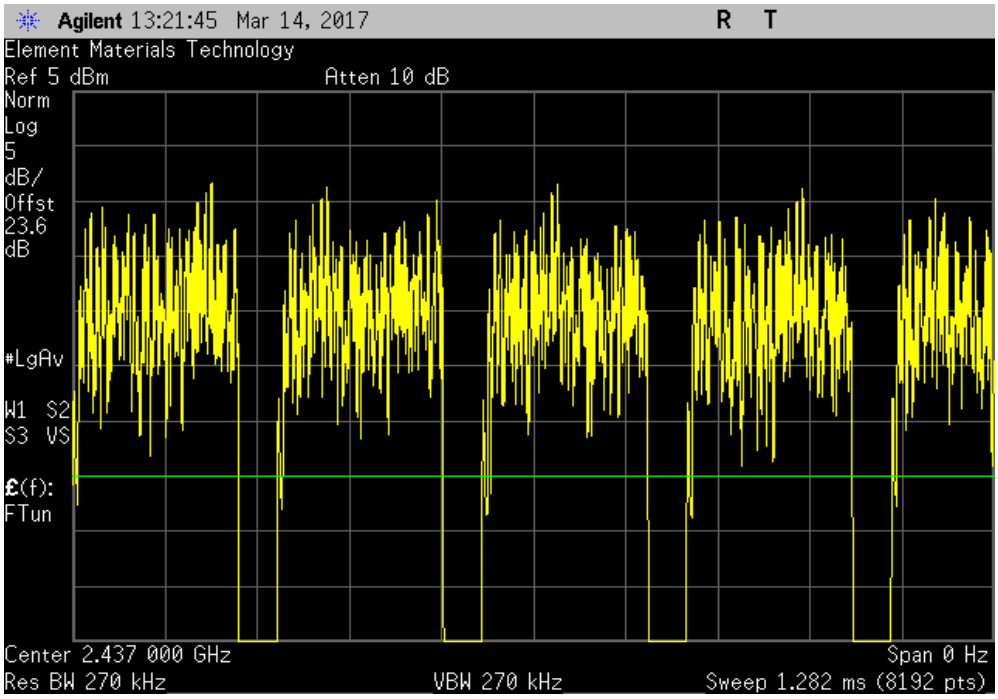


DUTY CYCLE

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	218.018 us	284.9 us	1	76.5	N/A	N/A



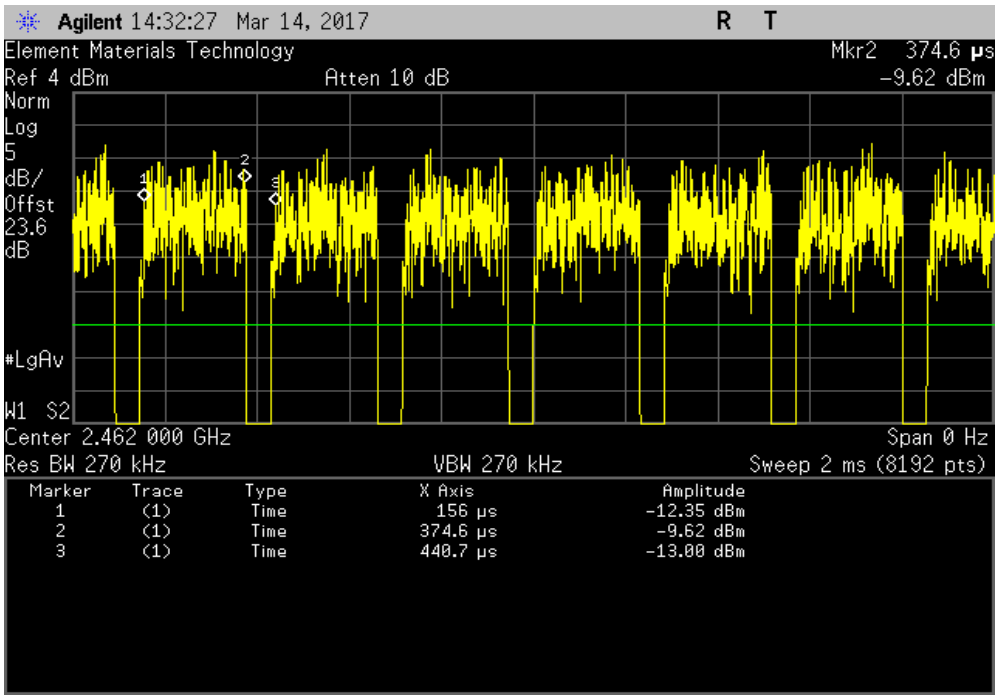
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A



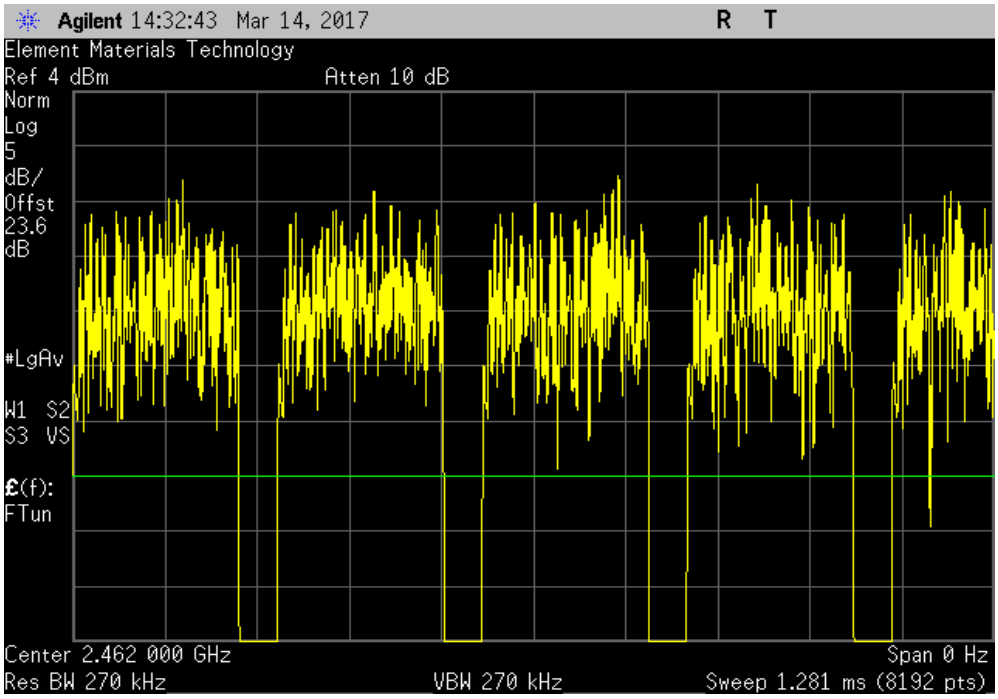
DUTY CYCLE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	218.582 us	284.712 us	1	76.8	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Pulse Width	Period	Number of Pulses	Value (%)	Limit (%)	Results
	N/A	N/A	6	N/A	N/A	N/A



OCCUPIED BANDWIDTH

XMit 2017.01.26

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.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	2/5/2018
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	NCR
Attenuator	Fairview Microwave	SA18H-20	TKR	1/5/2017	1/5/2018
Block - DC	Fairview Microwave	SD3379	AMV	1/11/2017	1/11/2018
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFA	11/2/2016	11/2/2017

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was set to the channels and modes listed in the datasheet.

The 6dB occupied bandwidth was measured using 100 kHz resolution bandwidth and 300 kHz video bandwidth. The 99.0% occupied bandwidth was also measured at the same time which can be needed during Output Power depending on the applicable method.

OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

EUT:	DC-6000-001			**Work Order:**	LYTX0018
Serial Number:	SF00000634			**Date:**	03/14/17
Customer:	Lytx, Inc.			**Temperature:**	21.2 °C
Attendees:	None			**Humidity:**	46.6% RH
Project:	None			**Barometric Pres.:**	1022 mbar
Tested by:	Mike Tran	**Power:**	14VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 15.247:2017	ANSI C63.10:2013

COMMENTS

Using client provided power settings. DC Block/20dB Attenuator + Coax Cable + Patch Cable = 23.62 dB Total Offset

DEVIATIONS FROM TEST STANDARD

None

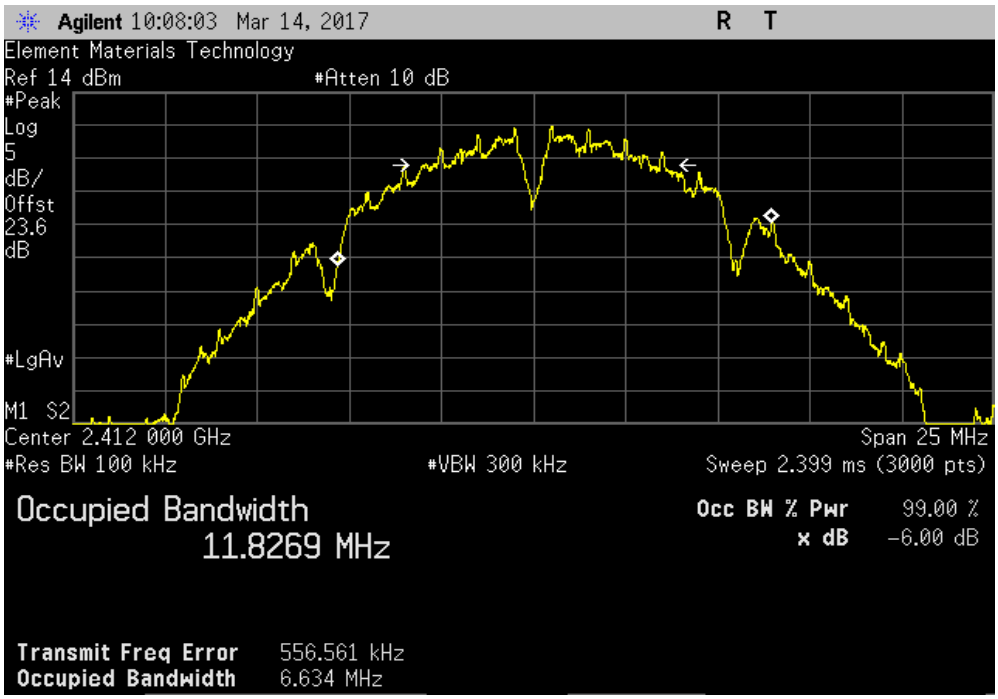
Configuration #	1	Signature

	Value	Limit (>)	Result
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz	6.634 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	6.960 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	7.058 MHz	500 kHz	Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz	6.169 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	6.322 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	6.510 MHz	500 kHz	Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz	13.742 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.426 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.356 MHz	500 kHz	Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz	15.632 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	15.966 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.398 MHz	500 kHz	Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz	15.211 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	15.959 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	16.403 MHz	500 kHz	Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz	15.863 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.254 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	17.541 MHz	500 kHz	Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz	15.763 MHz	500 kHz	Pass
Mid Channel 6, 2437 MHz	16.312 MHz	500 kHz	Pass
High Channel 11, 2462 MHz	17.551 MHz	500 kHz	Pass

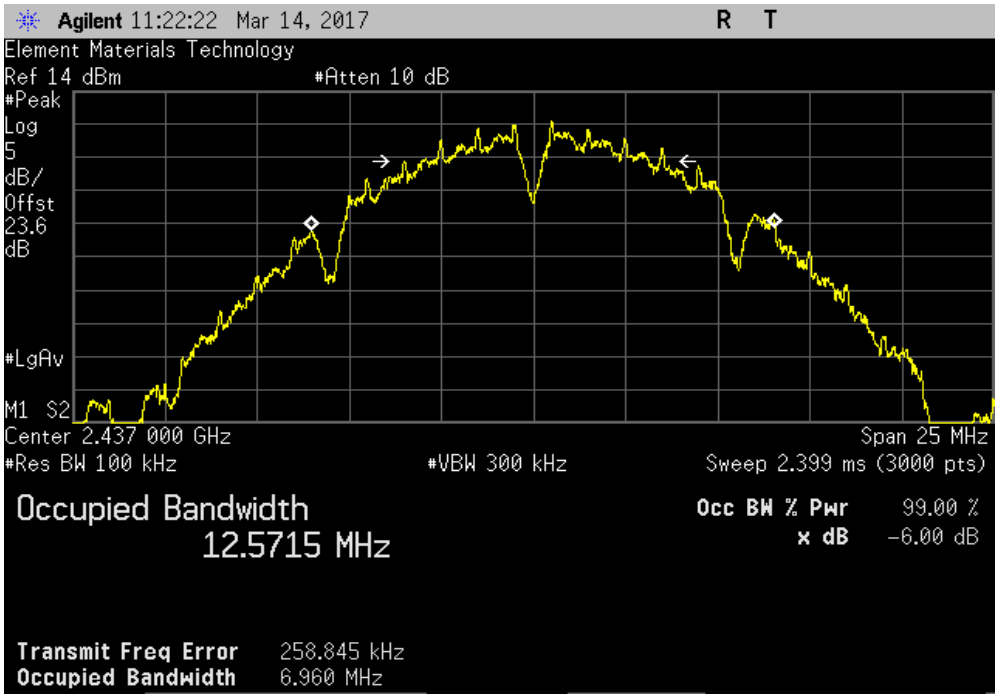
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				6.634 MHz	500 kHz	Pass



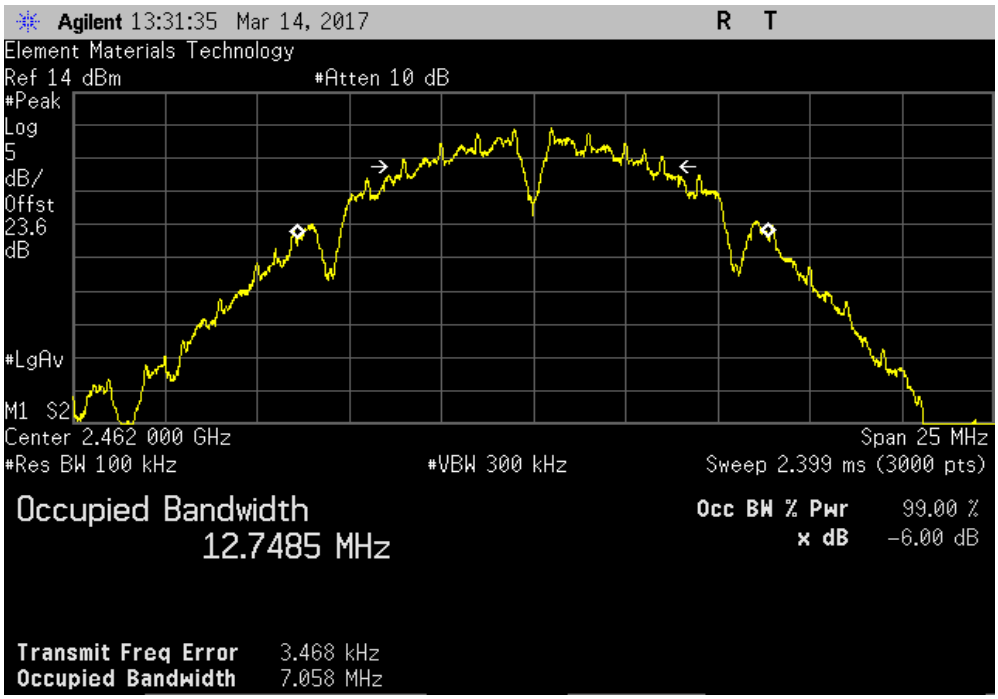
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				6.960 MHz	500 kHz	Pass



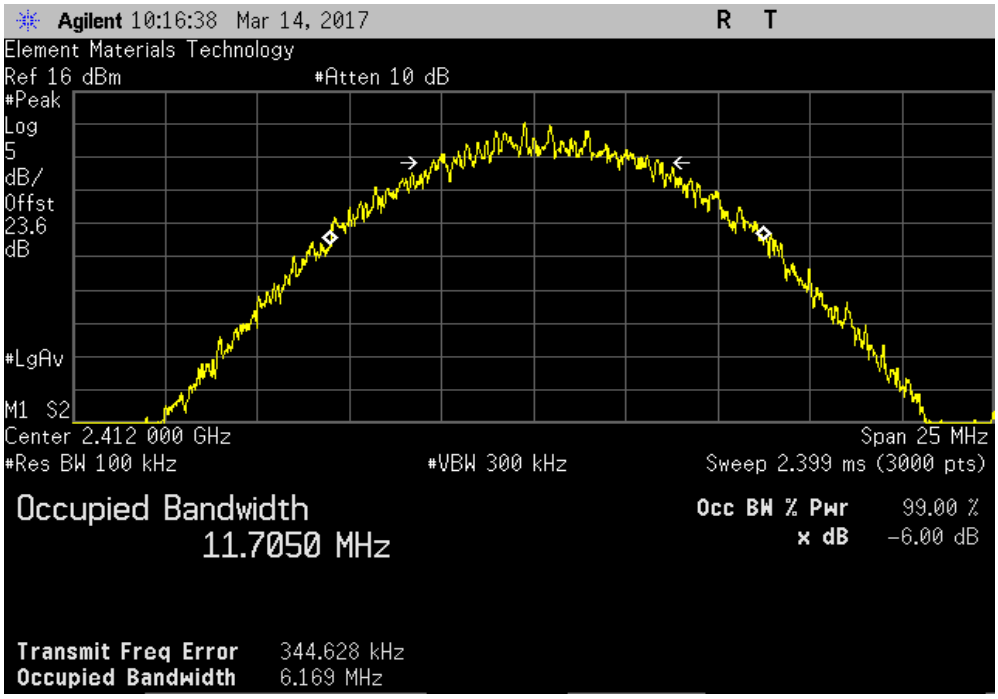
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				7.058 MHz	500 kHz	Pass



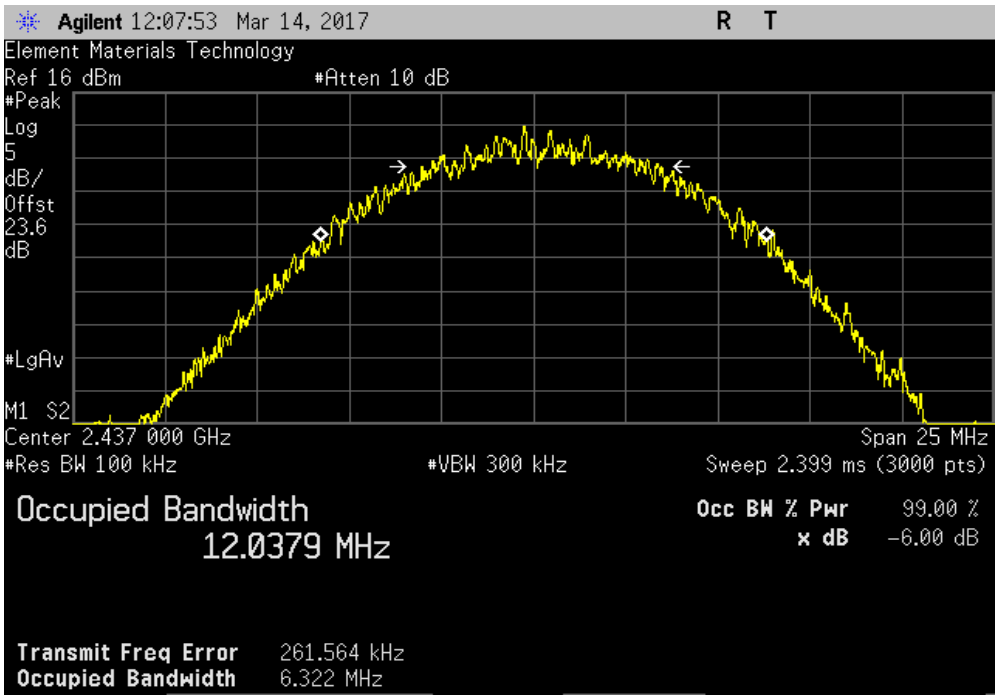
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				6.169 MHz	500 kHz	Pass



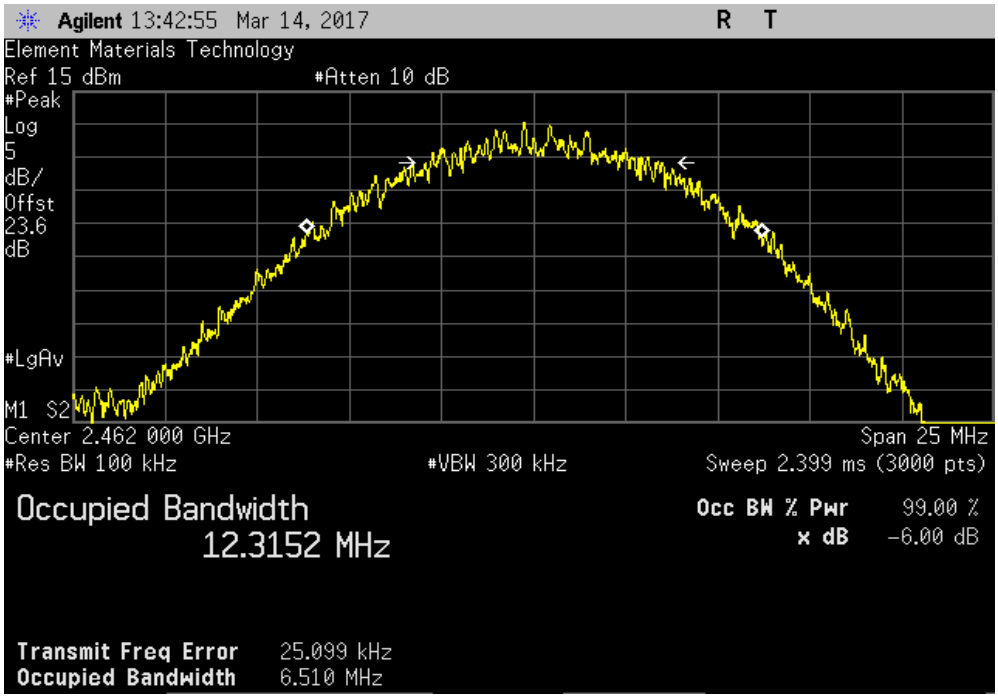
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				6.322 MHz	500 kHz	Pass



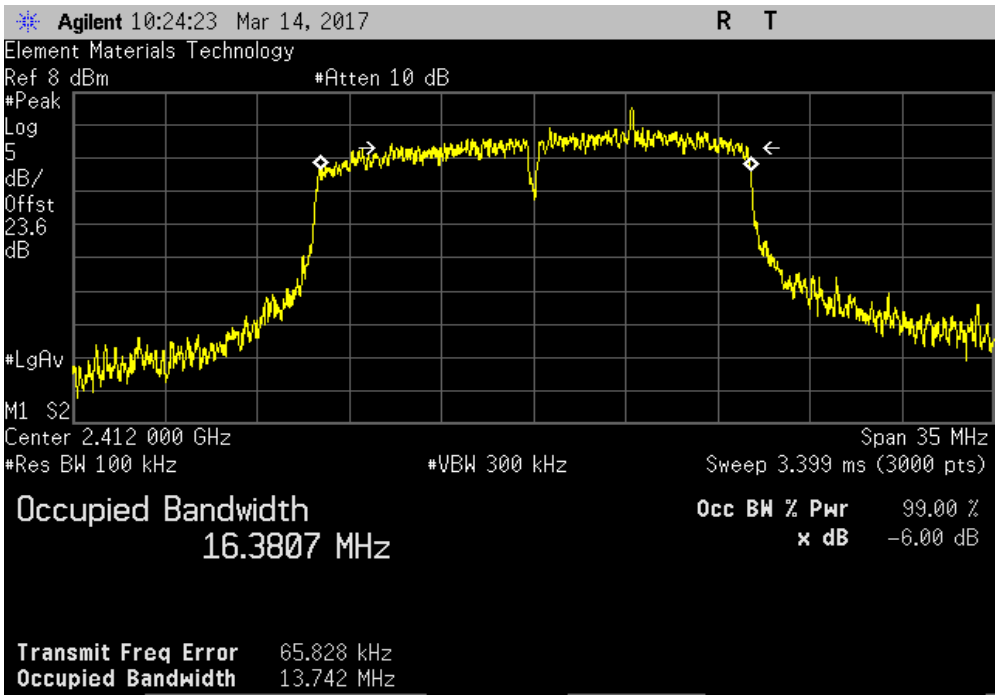
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				6.510 MHz	500 kHz	Pass



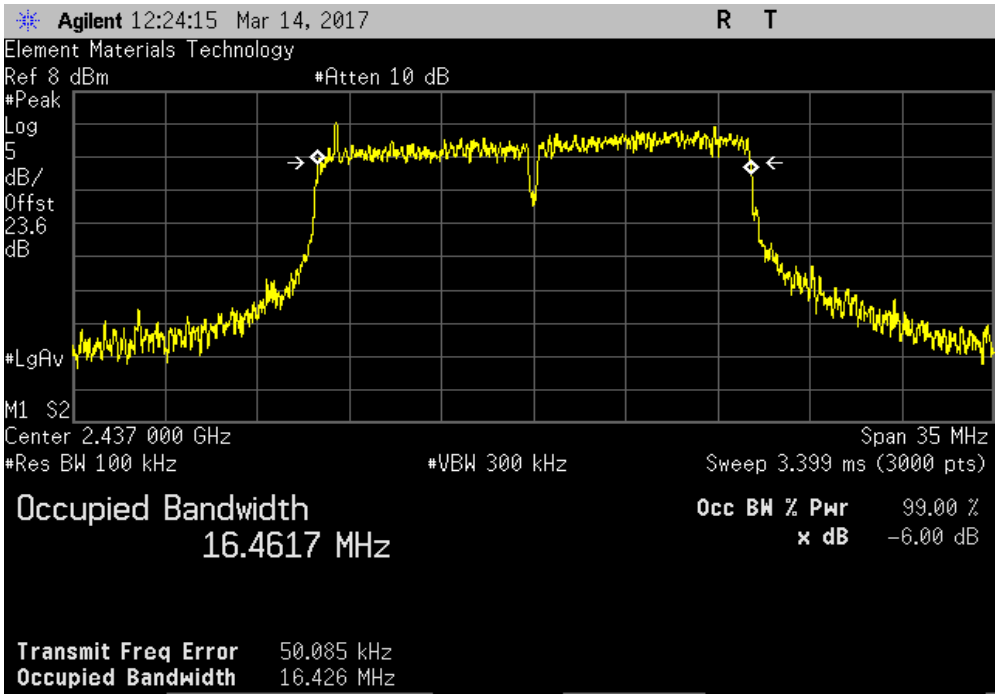
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				13.742 MHz	500 kHz	Pass

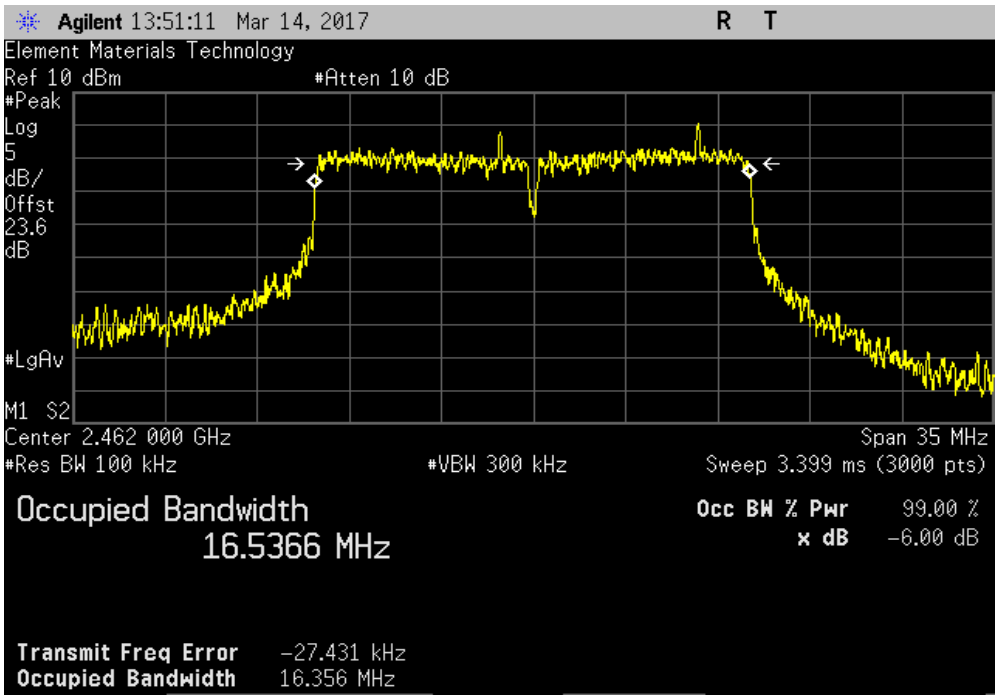


2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.426 MHz	500 kHz	Pass

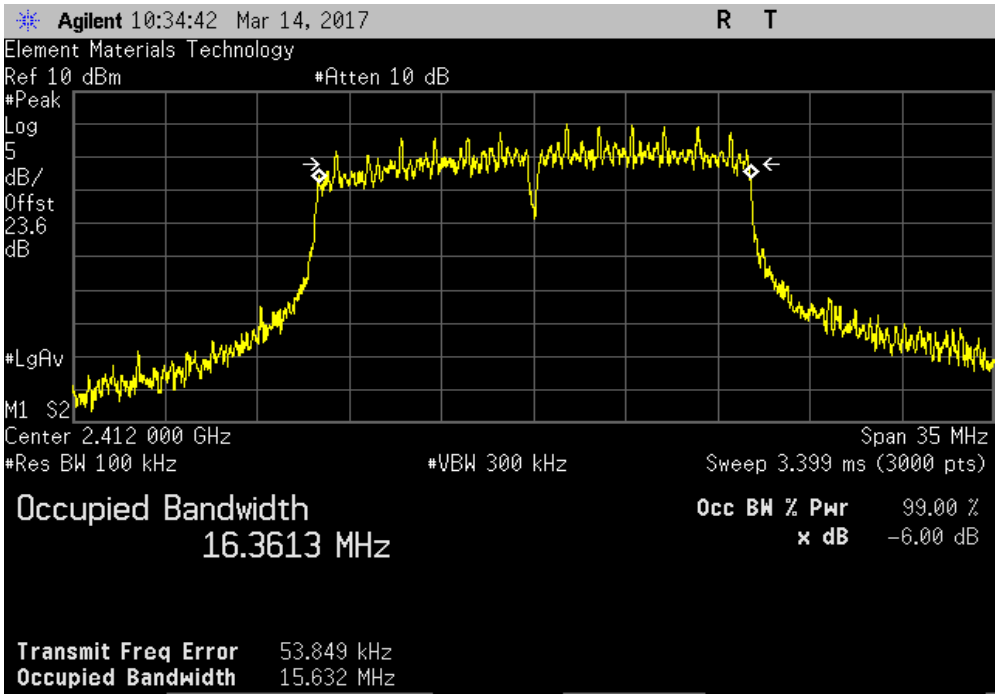


OCCUPIED BANDWIDTH

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.356 MHz	500 kHz	Pass



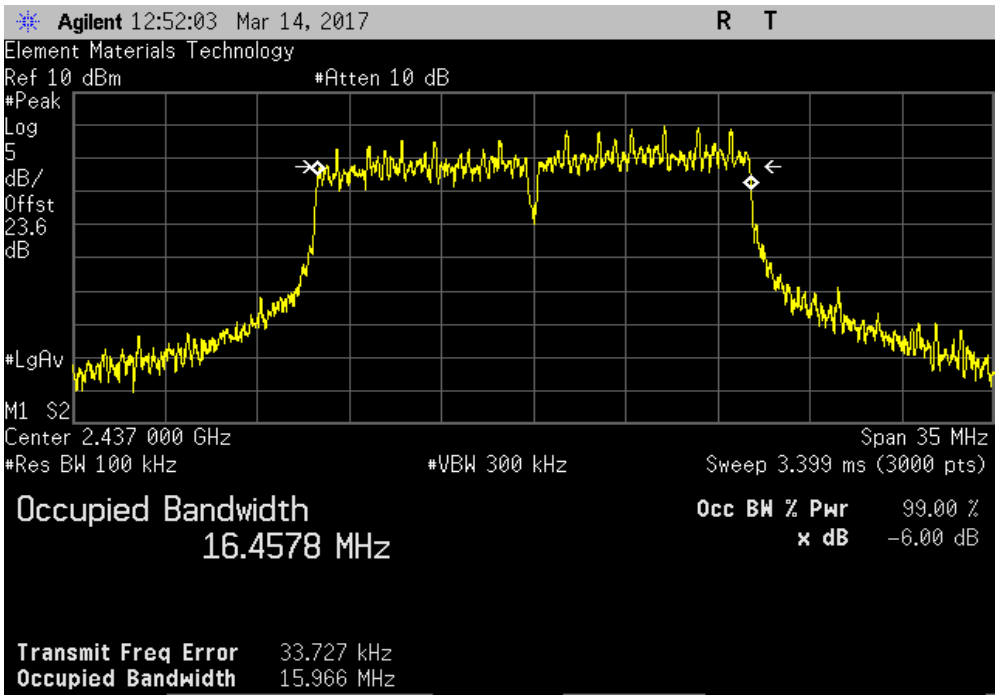
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				15.632 MHz	500 kHz	Pass



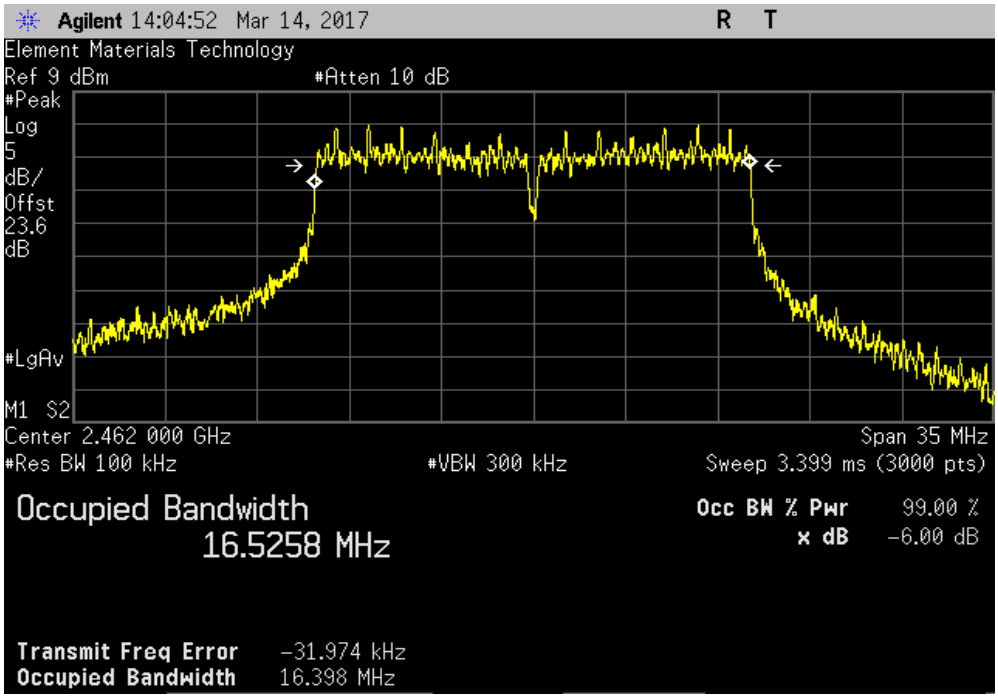
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				15.966 MHz	500 kHz	Pass



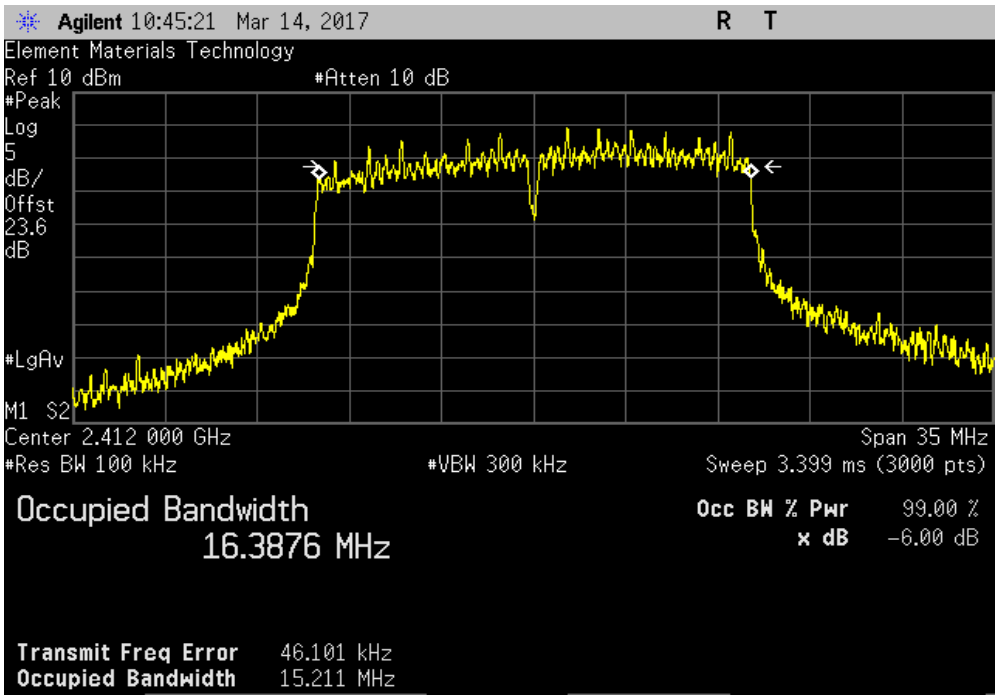
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.398 MHz	500 kHz	Pass



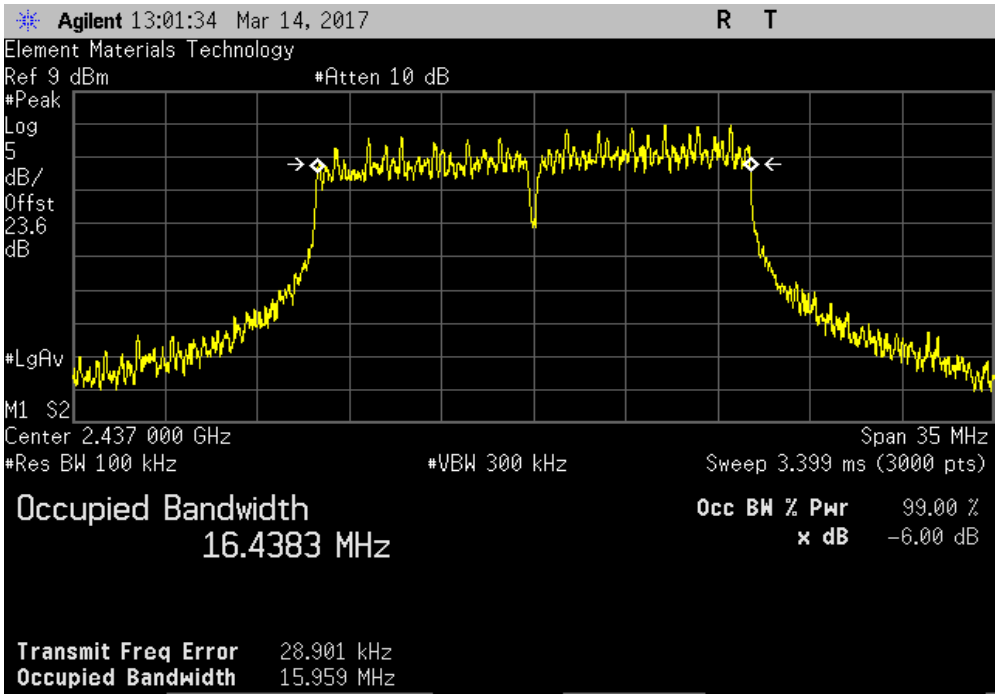
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				15.211 MHz	500 kHz	Pass



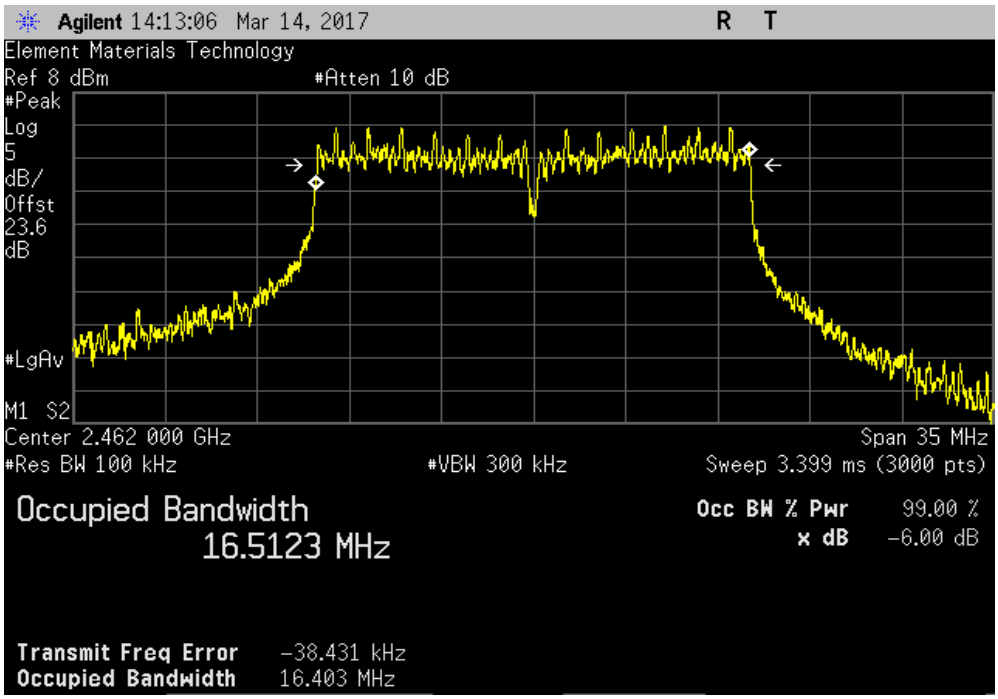
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				15.959 MHz	500 kHz	Pass



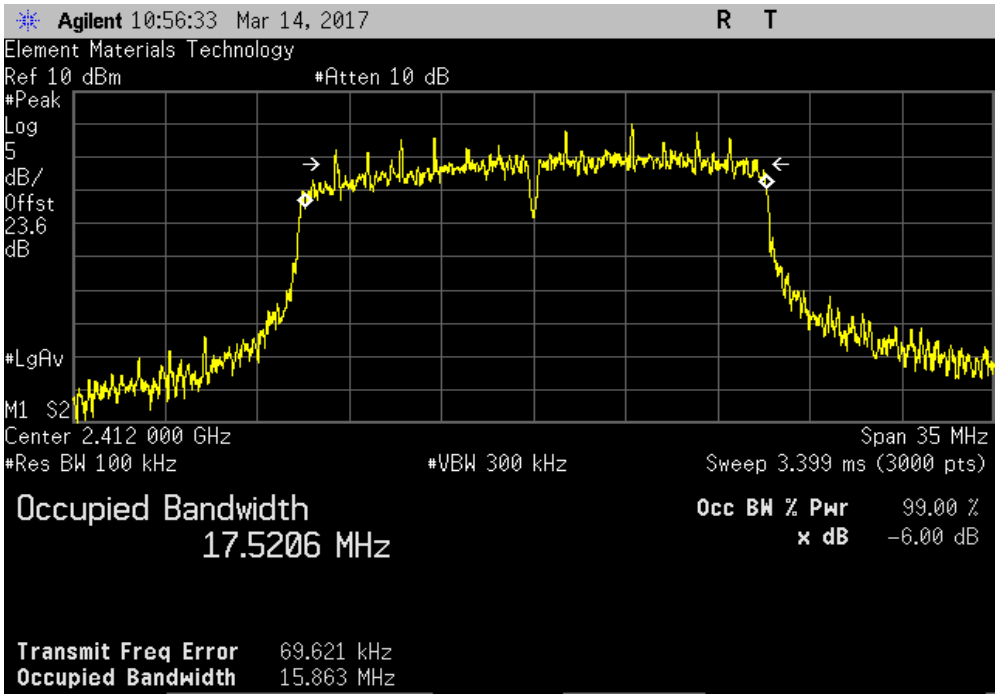
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				16.403 MHz	500 kHz	Pass



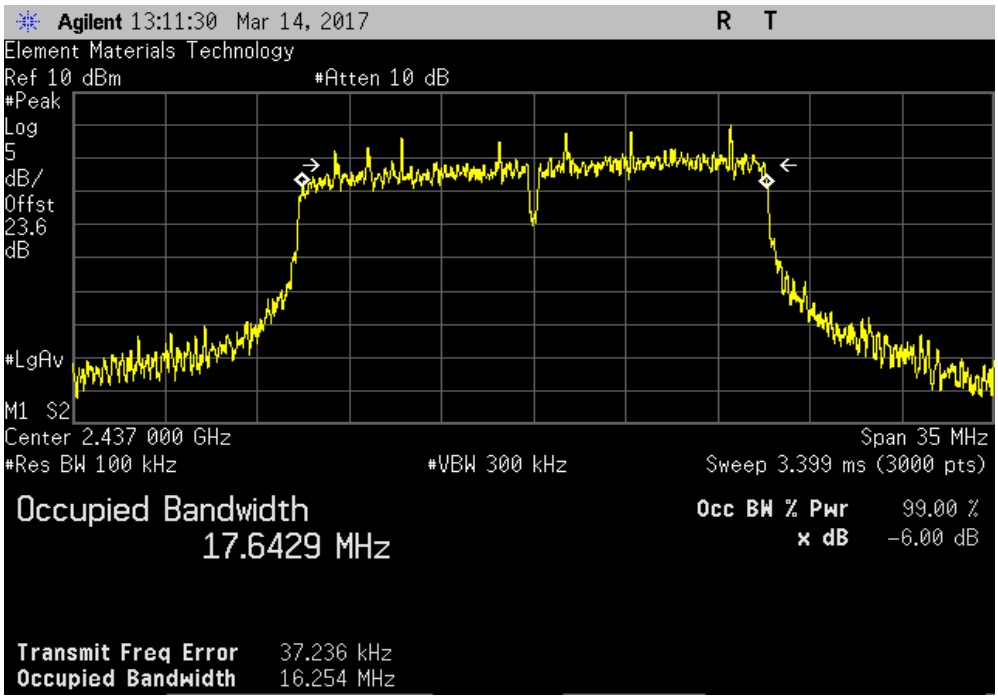
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				15.863 MHz	500 kHz	Pass



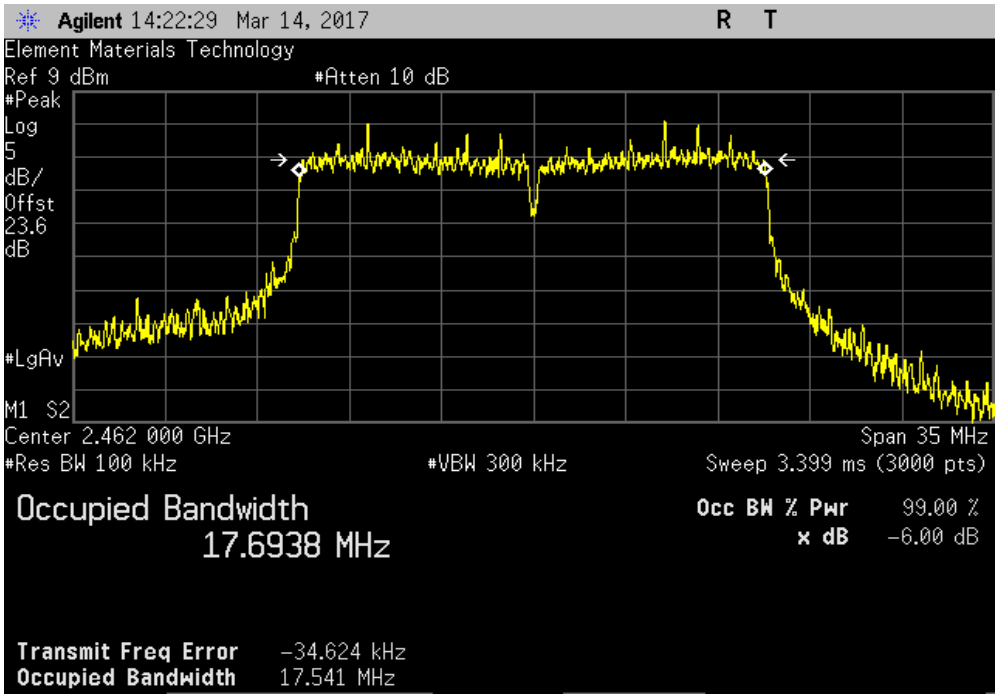
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.254 MHz	500 kHz	Pass



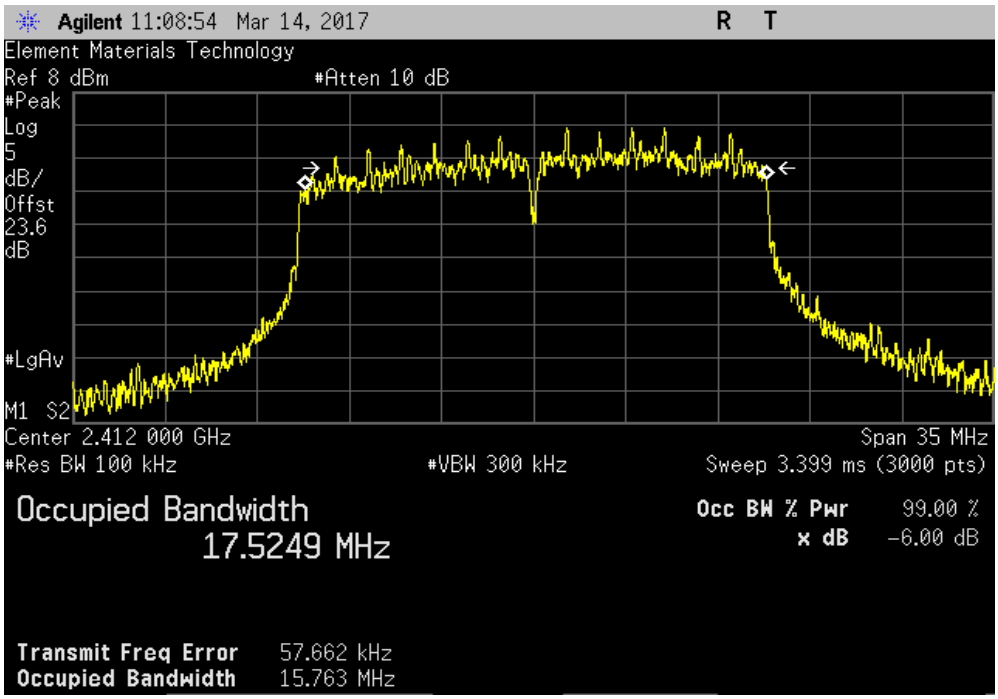
2400 MHz - 483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.541 MHz	500 kHz	Pass



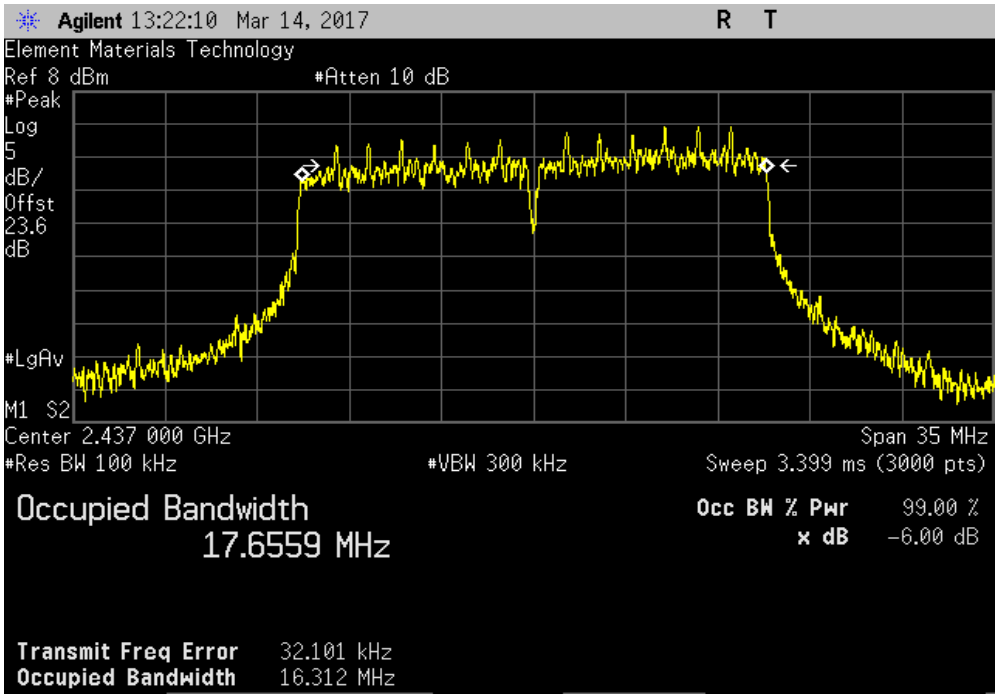
OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value	Limit (>)	Result
				15.763 MHz	500 kHz	Pass



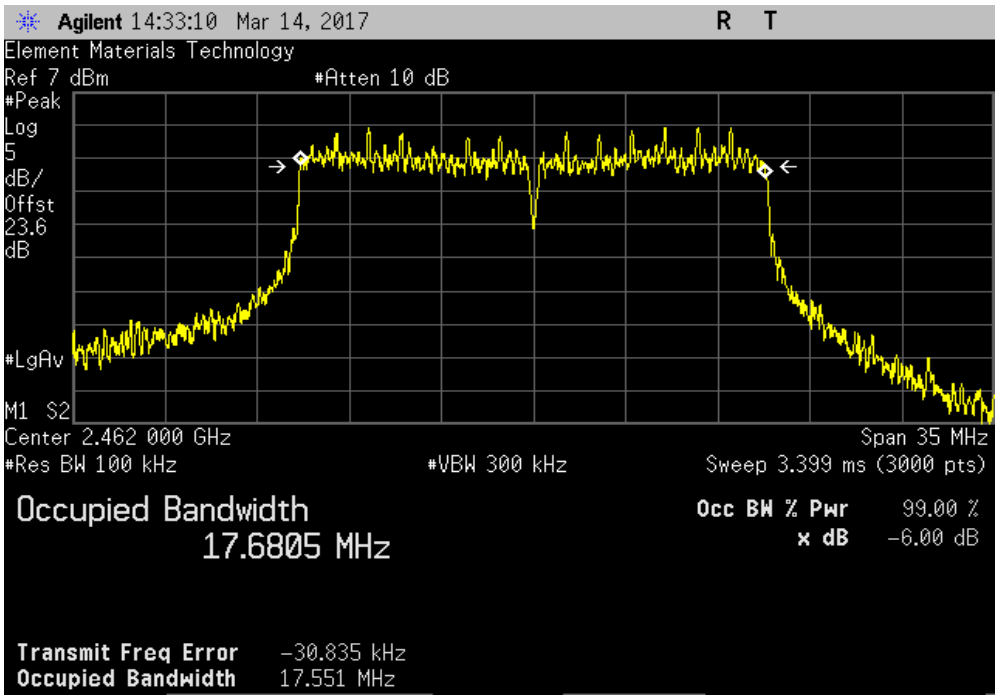
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value	Limit (>)	Result
				16.312 MHz	500 kHz	Pass



OCCUPIED BANDWIDTH

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value	Limit (>)	Result
				17.551 MHz	500 kHz	Pass



OUTPUT POWER

XMit 2017.01.26

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Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	NCR
Attenuator	Fairview Microwave	SA18H-20	TKR	1/5/2017	1/5/2018
Block - DC	Fairview Microwave	SD3379	AMV	1/11/2017	1/11/2018
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFA	11/2/2016	11/2/2017

TEST DESCRIPTION

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 C63.10:2013 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.

De Facto EIRP Limit: The EUT meets the de facto EIRP limit of +36 dBm.

OUTPUT POWER

TbtTx 2017.01.27 XMit 2017.01.26

EUT:	DC-6000-001			**Work Order:**	LYTX0018
Serial Number:	SF00000634			**Date:**	03/14/17
Customer:	Lytx, Inc.			**Temperature:**	21.2 °C
Attendees:	None			**Humidity:**	46.6% RH
Project:	None			**Barometric Pres.:**	1022 mbar
Tested by:	Mike Tran	**Power:**	14VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 15.247:2017	ANSI C63.10:2013

COMMENTS

Using client provided power settings. DC Block/20dB Attenuator + Coax Cable + Patch Cable = 23.62 dB Total Offset

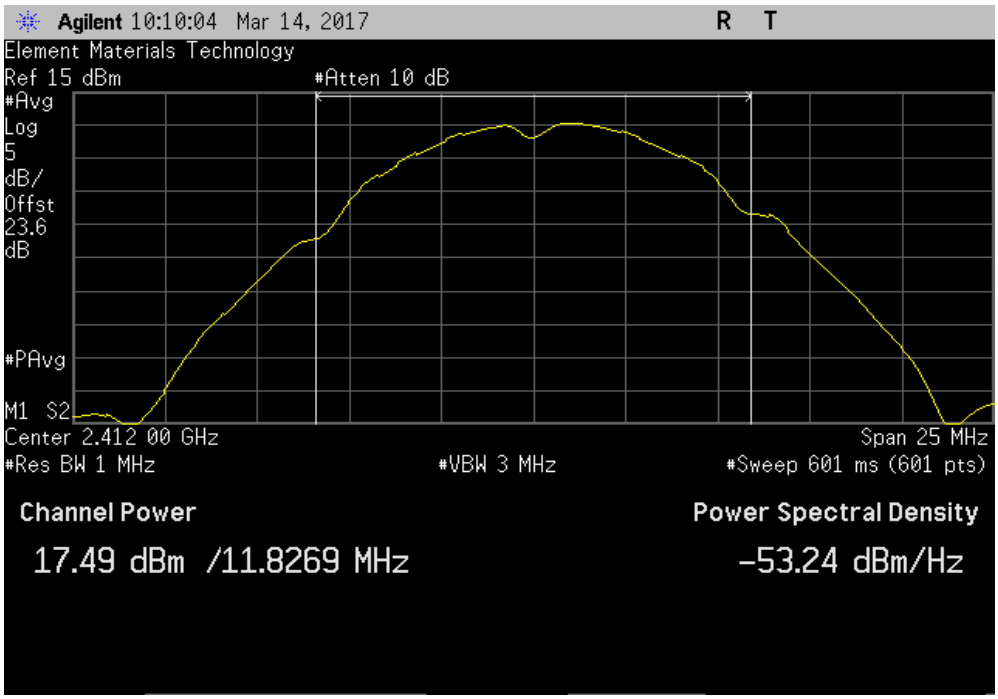
DEVIATIONS FROM TEST STANDARD

None

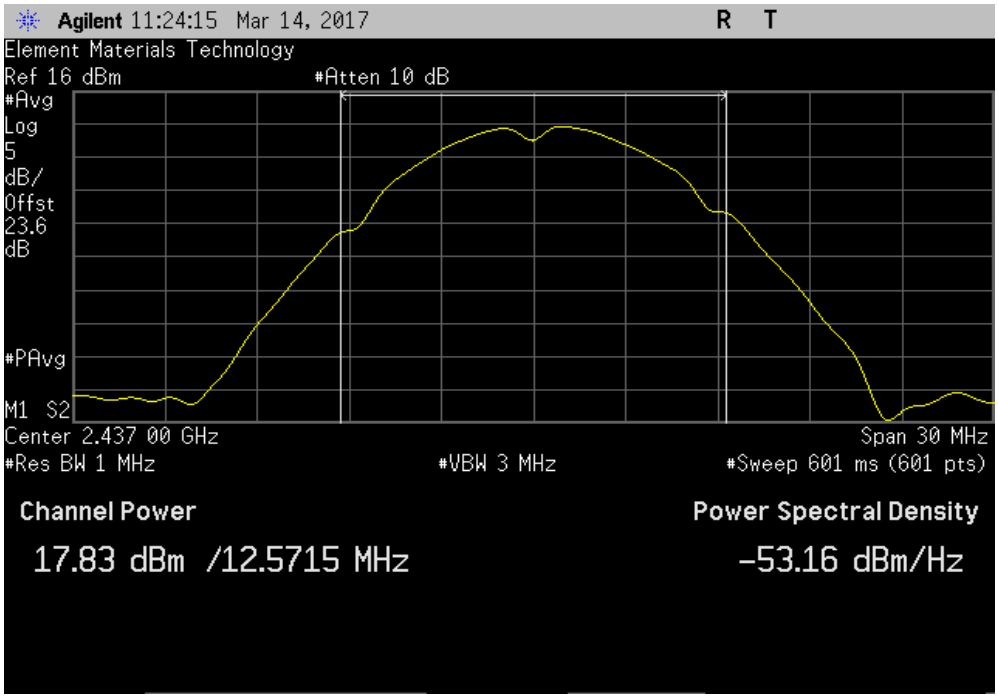
Configuration #	1	Signature

	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)	Value (dBm)	Limit (dBm)	Results
2400 MHz - 2483.5 MHz Band					
802.11(b) 1 Mbps					
Low Channel 1, 2412 MHz	17.487	0	17.5	30	Pass
Mid Channel 6, 2437 MHz	17.83	0	17.9	30	Pass
High Channel 11, 2462 MHz	17.446	0	17.5	30	Pass
802.11(b) 11 Mbps					
Low Channel 1, 2412 MHz	18.099	0.2	18.3	30	Pass
Mid Channel 6, 2437 MHz	17.771	0.2	18	30	Pass
High Channel 11, 2462 MHz	17.403	0.3	17.7	30	Pass
802.11(g) 6 Mbps					
Low Channel 1, 2412 MHz	15.622	0.1	15.8	30	Pass
Mid Channel 6, 2437 MHz	15.603	0.3	15.9	30	Pass
High Channel 11, 2462 MHz	15.582	0.2	15.8	30	Pass
802.11(g) 36 Mbps					
Low Channel 1, 2412 MHz	14.387	0.7	15.1	30	Pass
Mid Channel 6, 2437 MHz	14.274	0.8	15	30	Pass
High Channel 11, 2462 MHz	13.943	0.7	14.7	30	Pass
802.11(g) 54 Mbps					
Low Channel 1, 2412 MHz	14.345	0.8	15.1	30	Pass
Mid Channel 6, 2437 MHz	13.131	1.1	14.2	30	Pass
High Channel 11, 2462 MHz	12.833	1.1	13.9	30	Pass
802.11(n) MCS0					
Low Channel 1, 2412 MHz	14.555	0.2	14.8	30	Pass
Mid Channel 6, 2437 MHz	14.575	0.2	14.8	30	Pass
High Channel 11, 2462 MHz	14.465	0.2	14.6	30	Pass
802.11(n) MCS7					
Low Channel 1, 2412 MHz	11.8	1.2	13	30	Pass
Mid Channel 6, 2437 MHz	11.634	1.2	12.8	30	Pass
High Channel 11, 2462 MHz	11.558	1.1	12.7	30	Pass

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	17.487	0		17.5	30	Pass



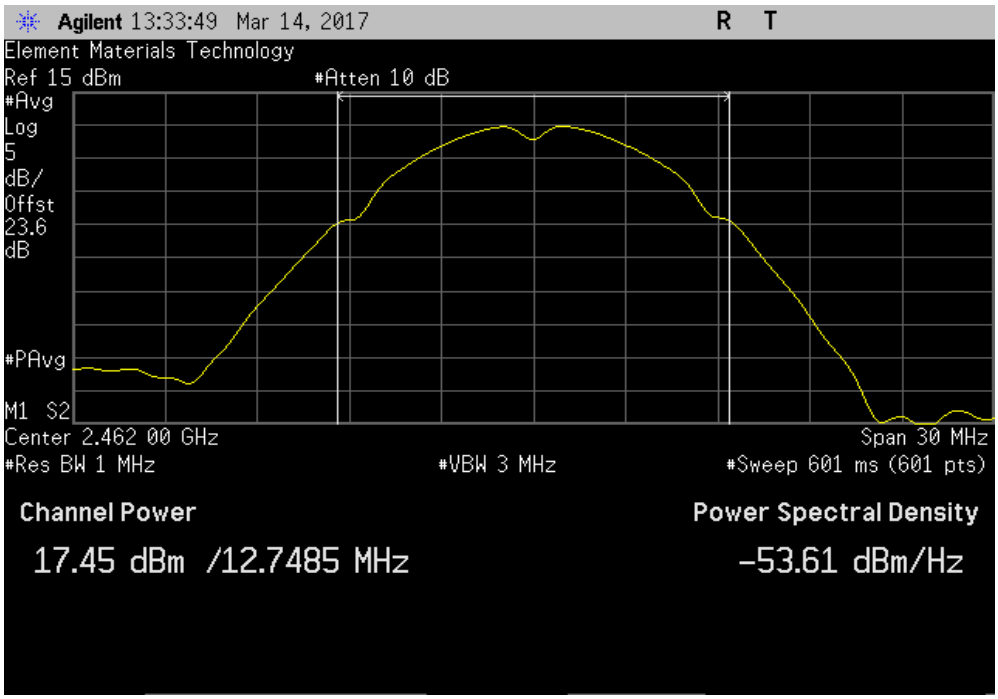
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	17.83	0		17.9	30	Pass



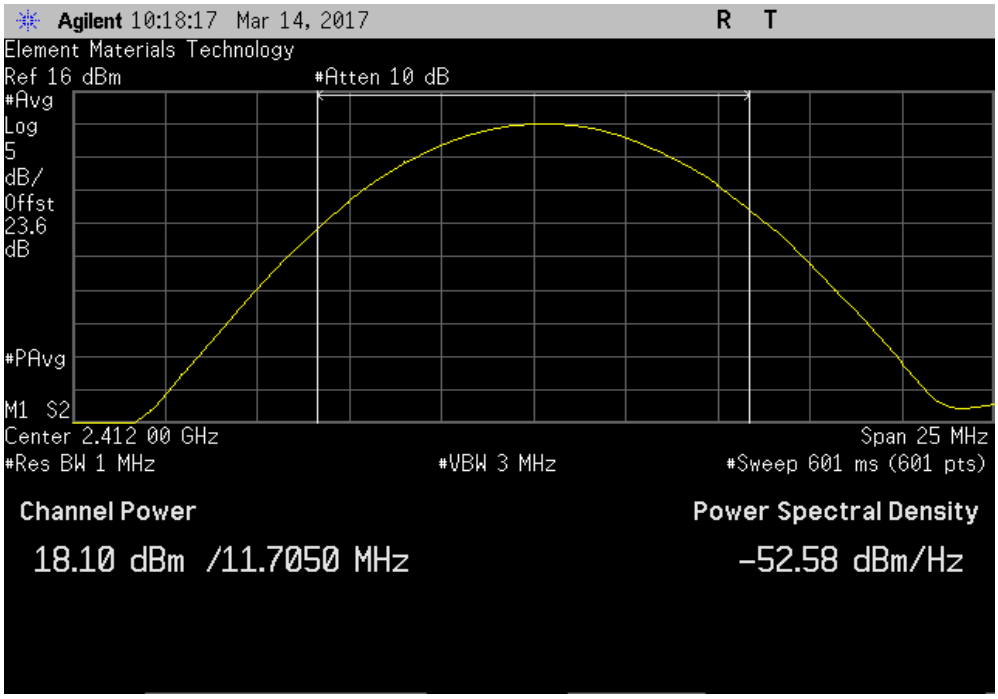
OUTPUT POWER

TbtTx 2017.01.27 XMit 2017.01.26

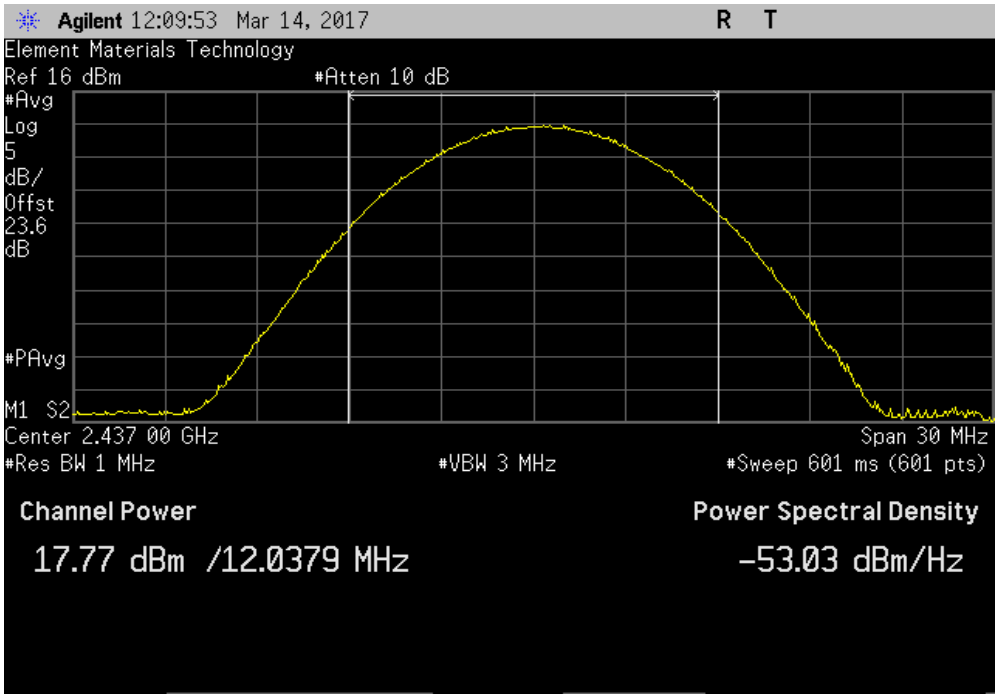
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	17.446	0		17.5	30	Pass



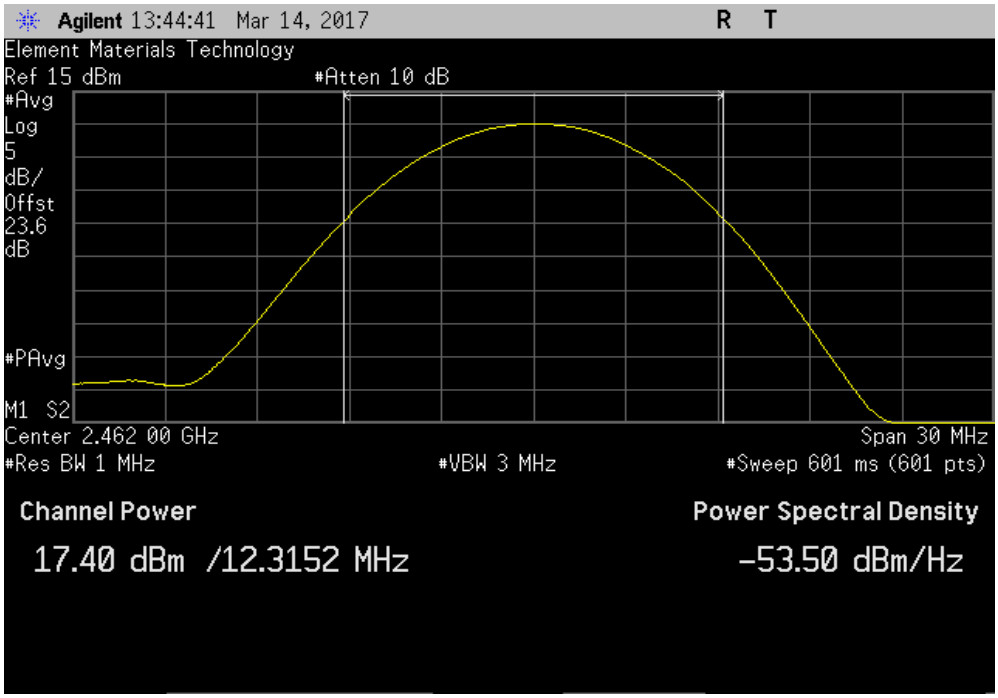
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	18.099	0.2		18.3	30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	17.771	0.2		18	30	Pass



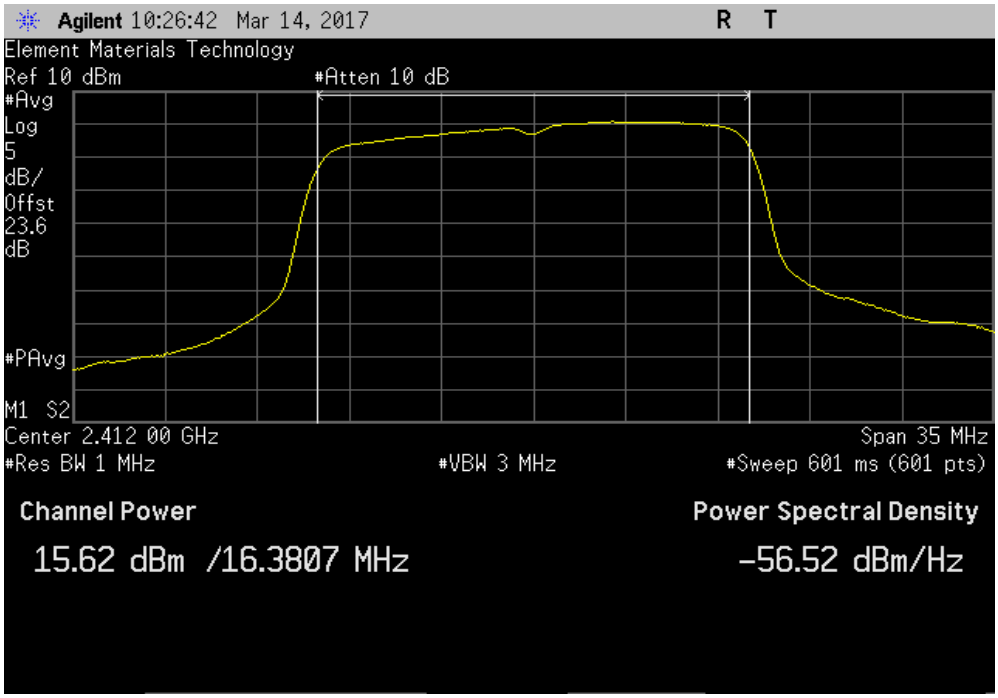
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	17.403	0.3		17.7	30	Pass



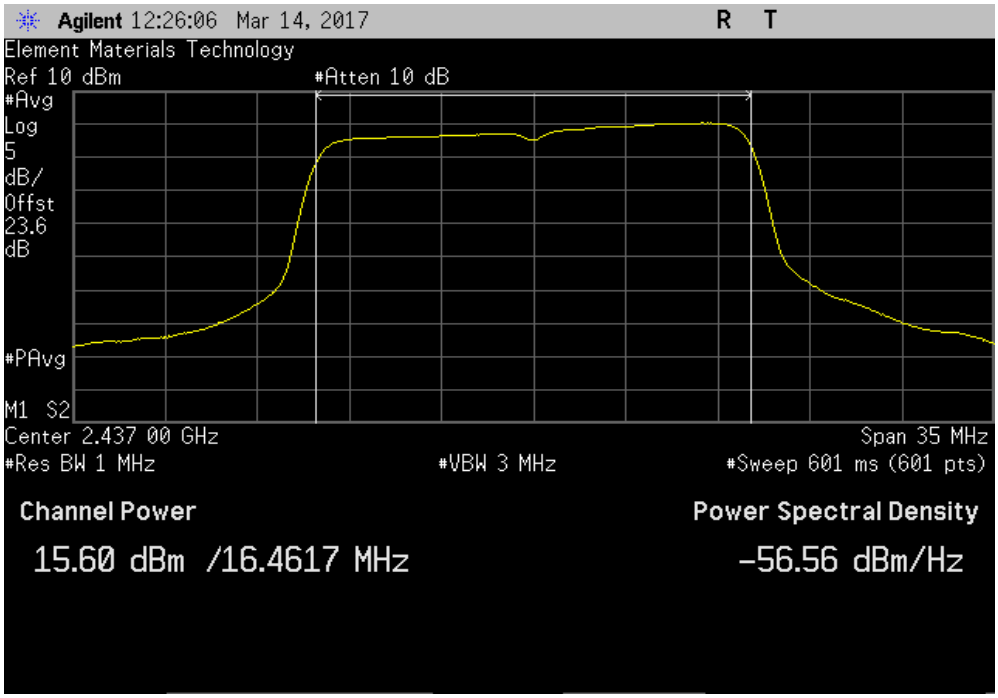
OUTPUT POWER

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	15.622	0.1		15.8	30	Pass



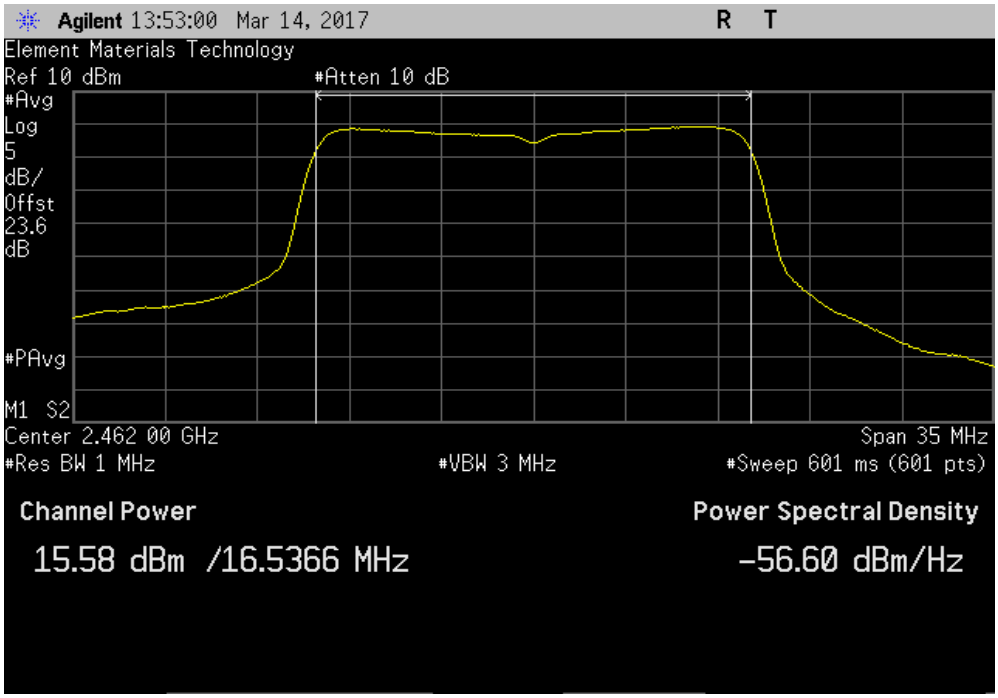
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	15.603	0.3		15.9	30	Pass



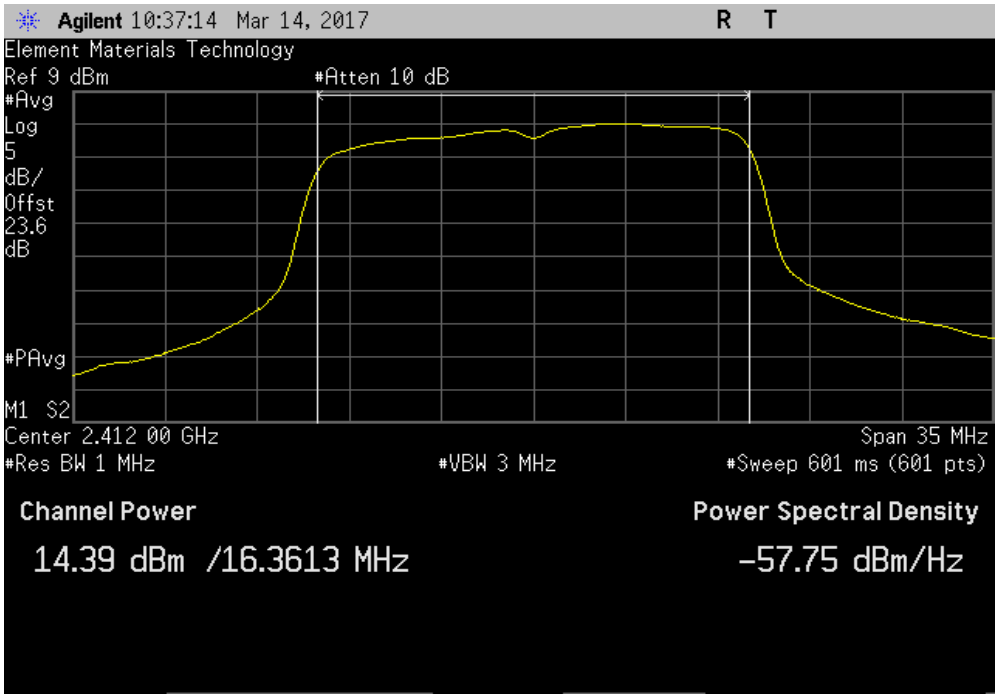
OUTPUT POWER

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	15.582	0.2		15.8	30	Pass



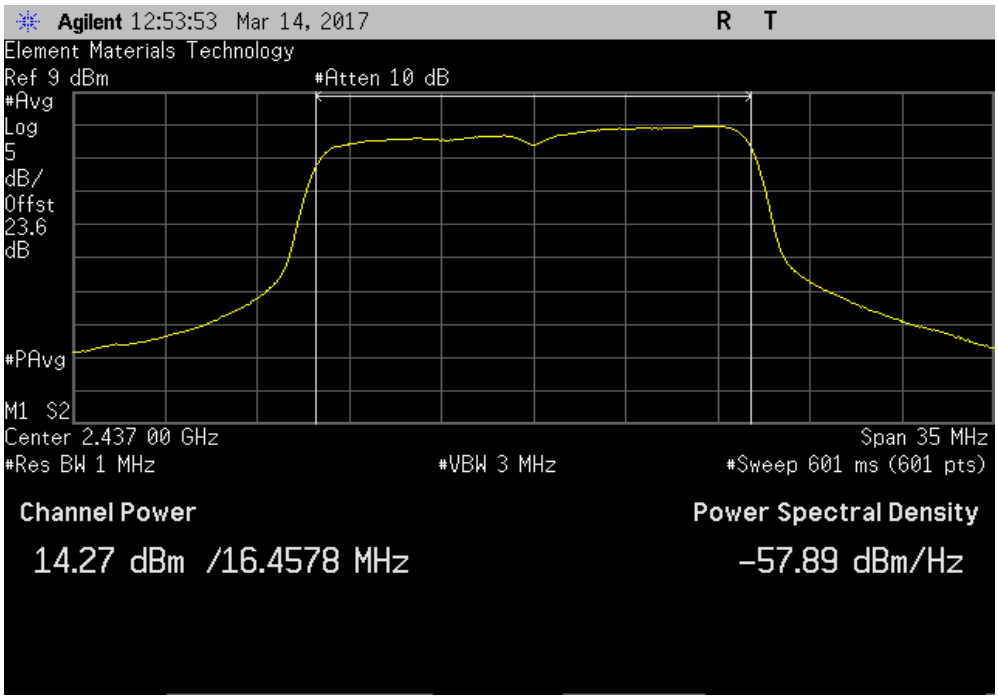
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	14.387	0.7		15.1	30	Pass



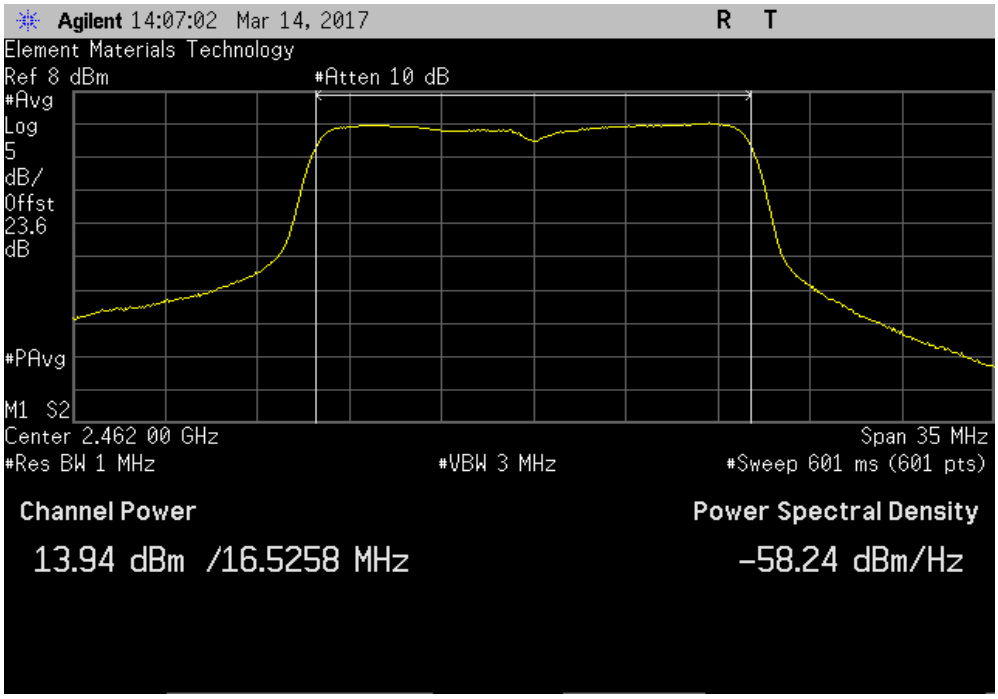
OUTPUT POWER

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	14.274	0.8		15	30	Pass



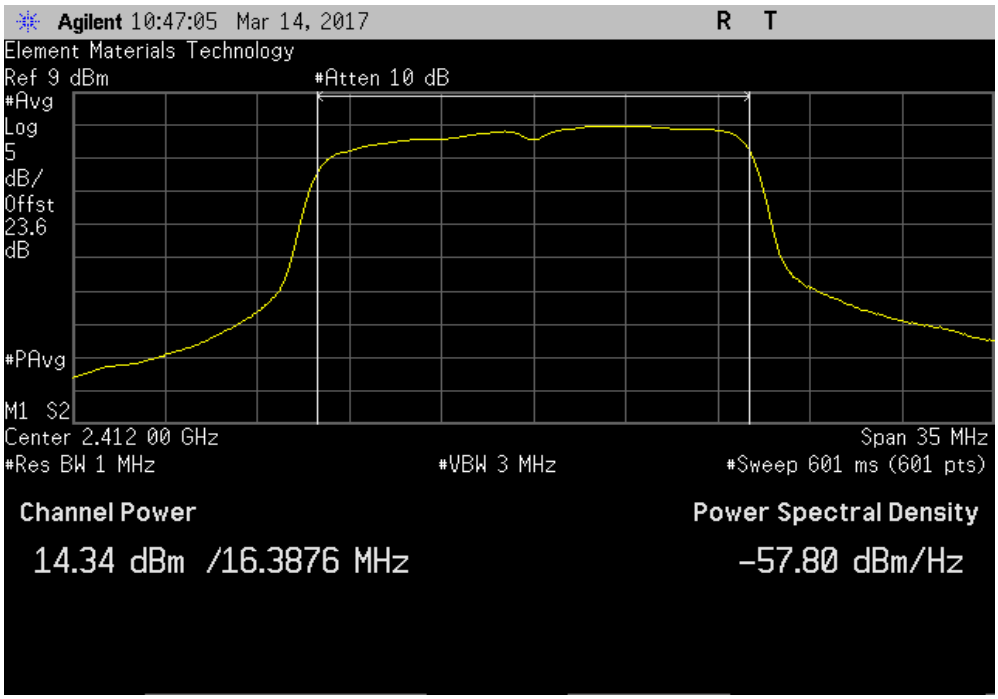
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	13.943	0.7		14.7	30	Pass



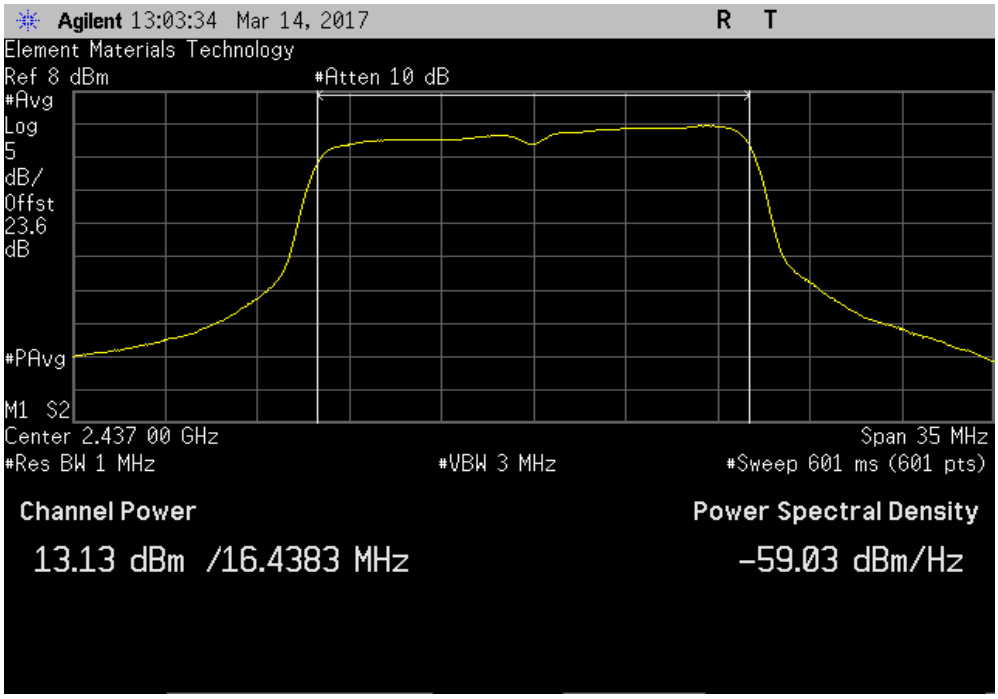
OUTPUT POWER

TbtTx 2017.01.27 XMit 2017.01.26

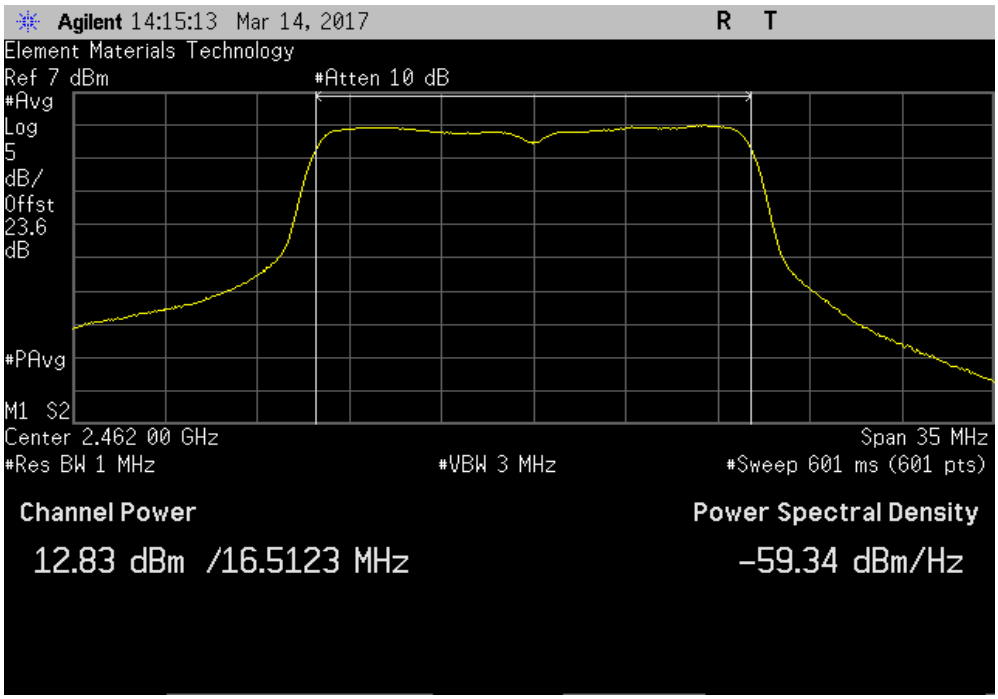
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	14.345	0.8		15.1	30	Pass



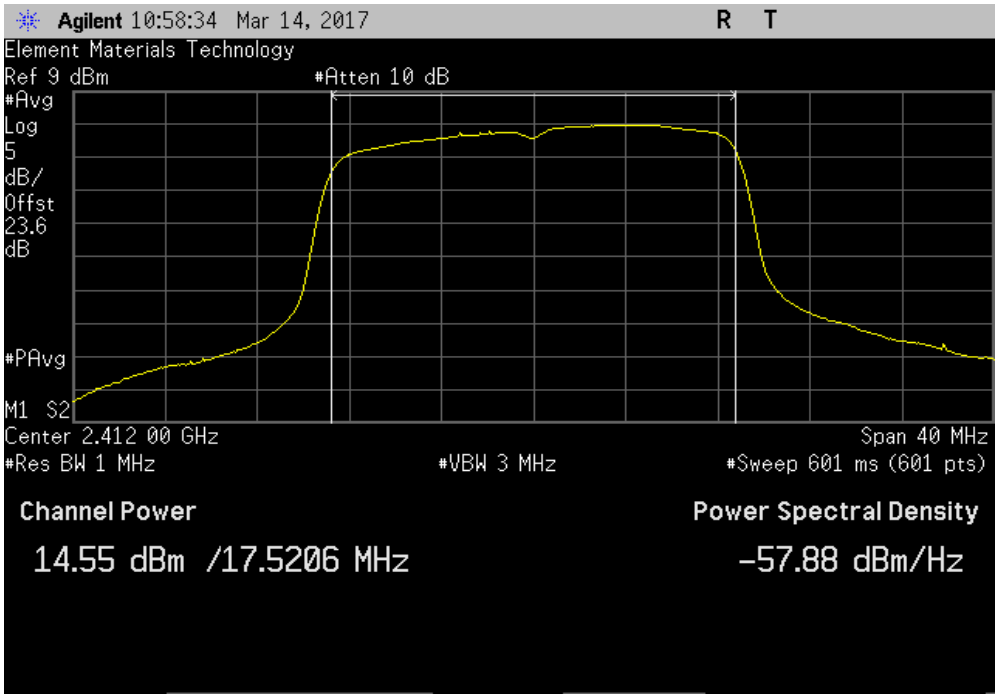
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	13.131	1.1		14.2	30	Pass



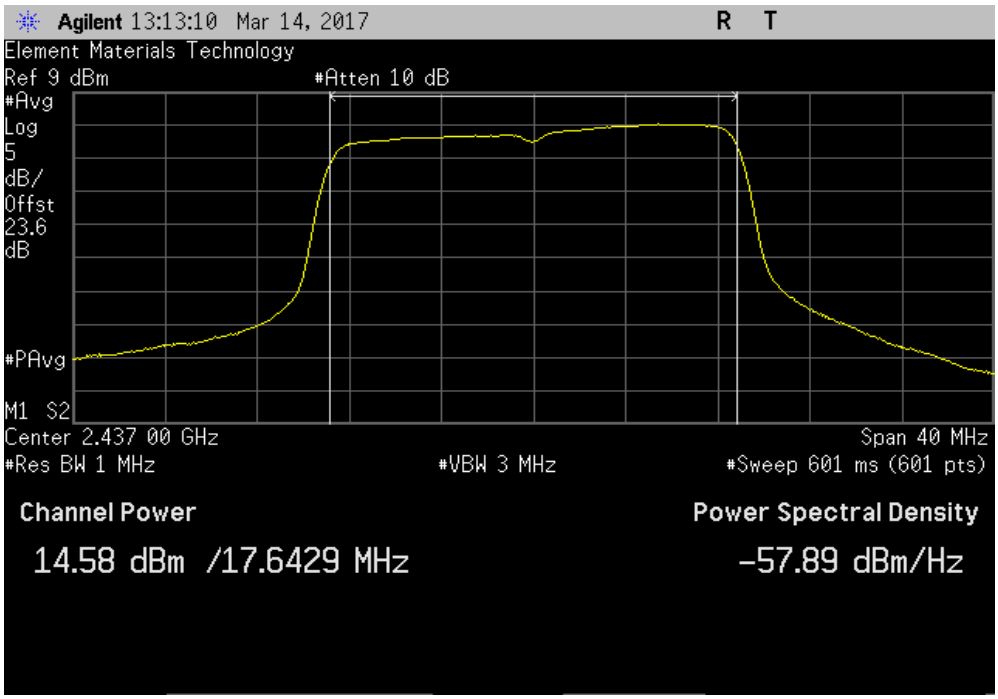
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	12.833	1.1		13.9	30	Pass



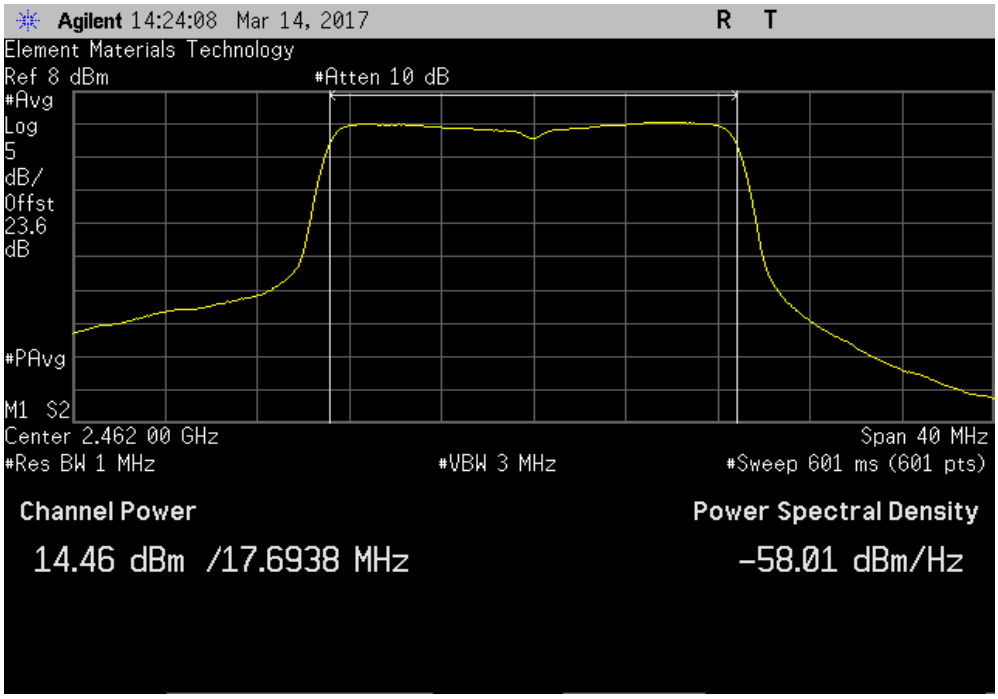
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	14.555	0.2		14.8	30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	14.575	0.2		14.8	30	Pass



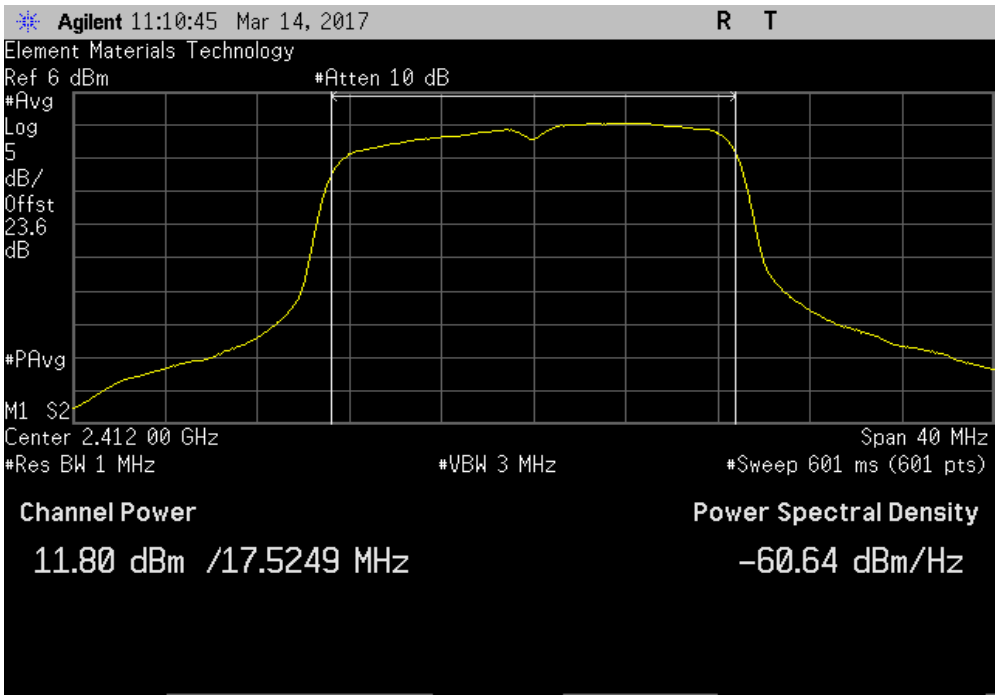
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	14.465	0.2		14.6	30	Pass



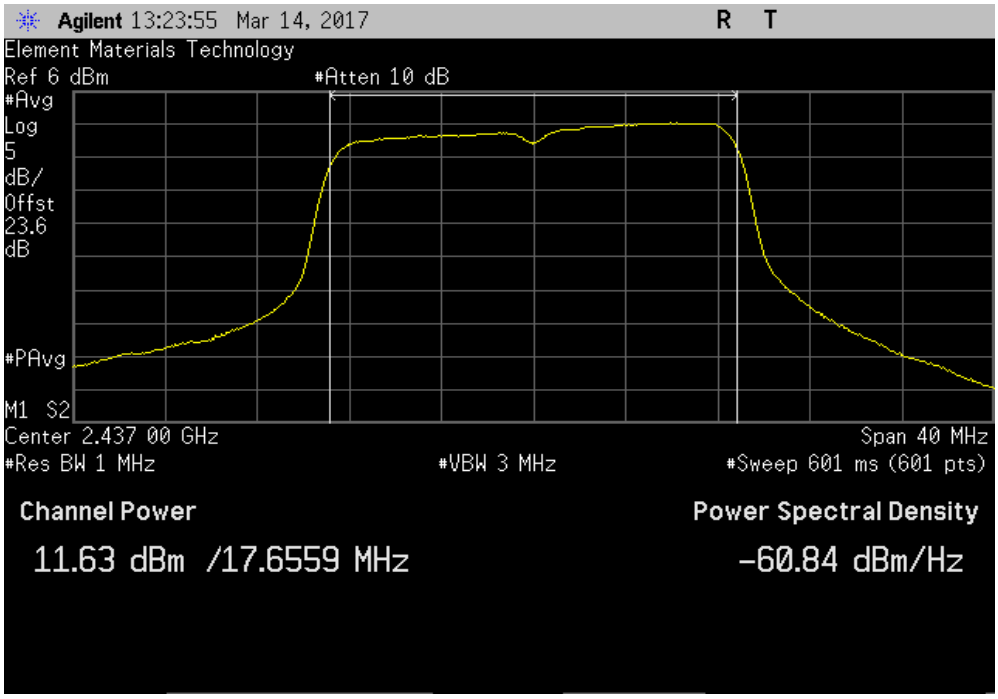
OUTPUT POWER

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	11.8	1.2		13	30	Pass

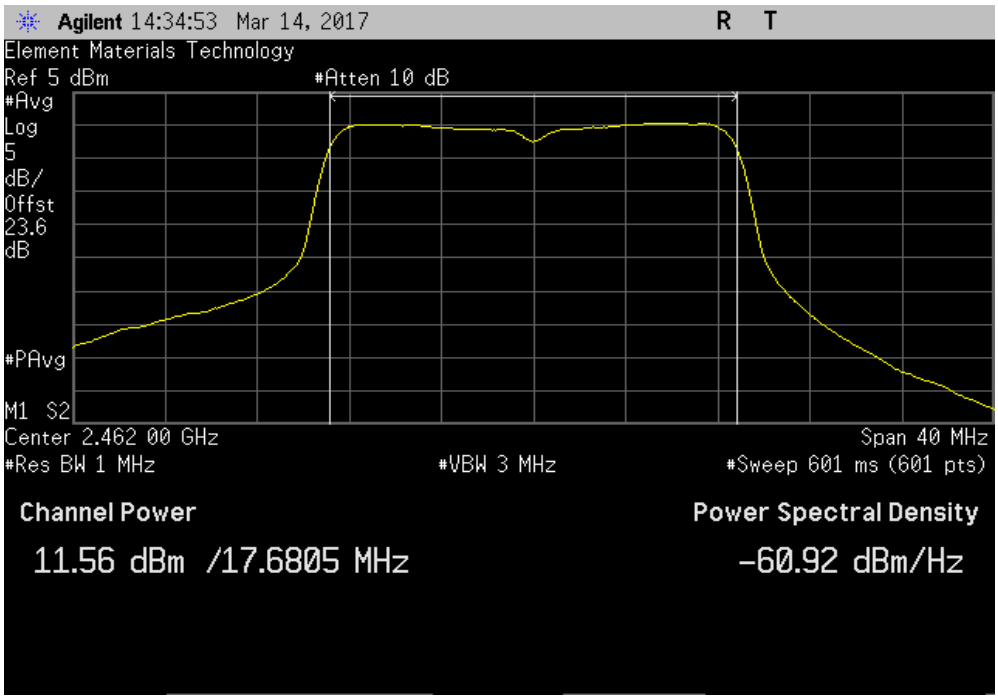


2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	11.634	1.2		12.8	30	Pass



OUTPUT POWER

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Avg Cond Pwr (dBm)	Duty Cycle Factor (dB)		Value (dBm)	Limit (dBm)	Results
	11.558	1.1		12.7	30	Pass



POWER SPECTRAL DENSITY

XMit 2017.01.26

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.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	2/5/2018
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	NCR
Attenuator	Fairview Microwave	SA18H-20	TKR	1/5/2017	1/5/2018
Block - DC	Fairview Microwave	SD3379	AMV	1/11/2017	1/11/2018
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFA	11/2/2016	11/2/2017

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The maximum power spectral density measurements was measured using the channels and modes as called out on the following data sheets.

Per the procedure outlined in ANSI C63.10 the peak power spectral density was measured in a 3 kHz RBW.

POWER SPECTRAL DENSITY

TbtTx 2017.01.27 XMit 2017.01.26

EUT:	DC-6000-001			**Work Order:**	LYTX0018
Serial Number:	SF00000634			**Date:**	03/14/17
Customer:	Lytx, Inc.			**Temperature:**	21.2 °C
Attendees:	None			**Humidity:**	46.6% RH
Project:	None			**Barometric Pres.:**	1022 mbar
Tested by:	Mike Tran	**Power:**	14VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 15.247:2017	ANSI C63.10:2013

COMMENTS

Using client provided power settings. DC Block/20dB Attenuator + Coax Cable + Patch Cable = 23.62 dB Total Offset

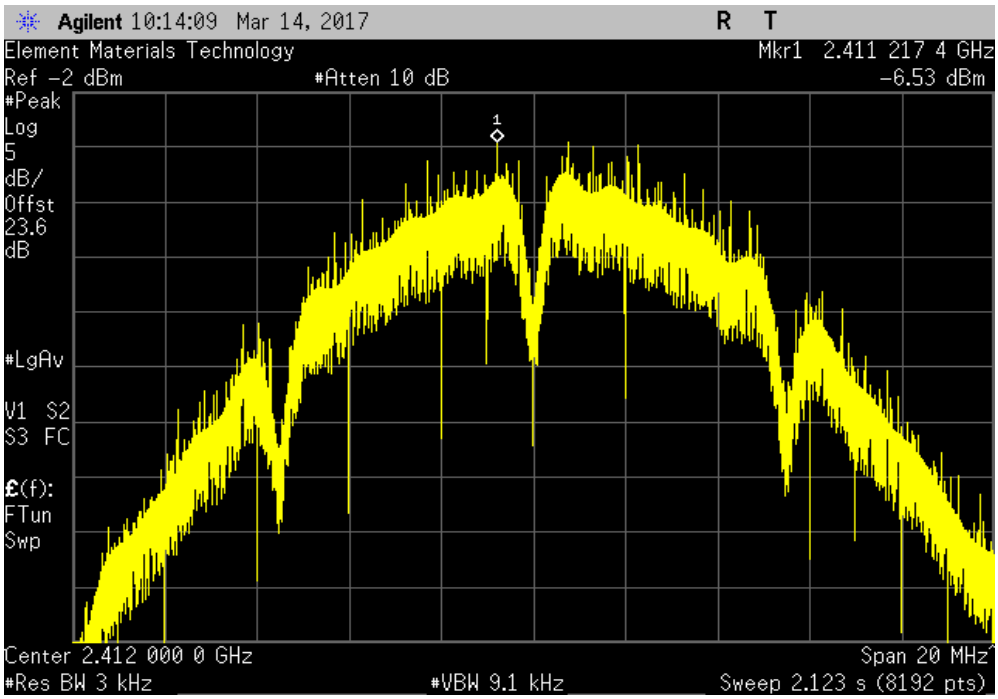
DEVIATIONS FROM TEST STANDARD

None

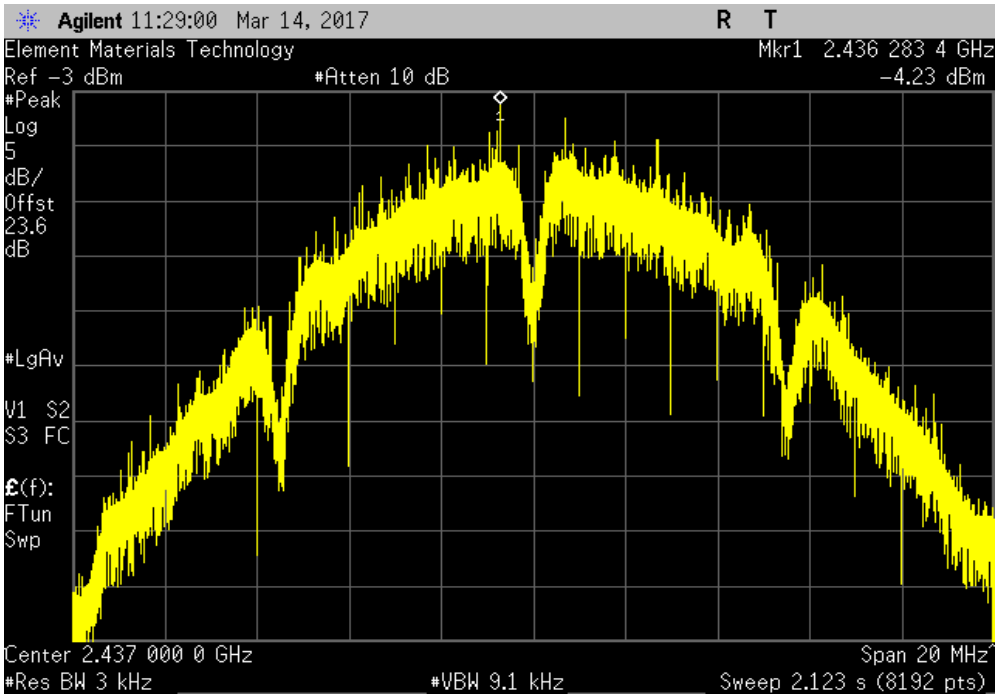
Configuration #	1	Signature

	Value dBm/3kHz	Limit < dBm/3kHz	Results
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz	-6.532	8	Pass
Mid Channel 6, 2437 MHz	-4.230	8	Pass
High Channel 11, 2462 MHz	-5.886	8	Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz	-3.410	8	Pass
Mid Channel 6, 2437 MHz	-4.022	8	Pass
High Channel 11, 2462 MHz	-4.491	8	Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz	-10.728	8	Pass
Mid Channel 6, 2437 MHz	-9.419	8	Pass
High Channel 11, 2462 MHz	-10.797	8	Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz	-10.153	8	Pass
Mid Channel 6, 2437 MHz	-10.414	8	Pass
High Channel 11, 2462 MHz	-10.964	8	Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz	-9.255	8	Pass
Mid Channel 6, 2437 MHz	-10.981	8	Pass
High Channel 11, 2462 MHz	-12.252	8	Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz	-10.823	8	Pass
Mid Channel 6, 2437 MHz	-11.435	8	Pass
High Channel 11, 2462 MHz	-11.964	8	Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz	-11.824	8	Pass
Mid Channel 6, 2437 MHz	-12.484	8	Pass
High Channel 11, 2462 MHz	-13.062	8	Pass

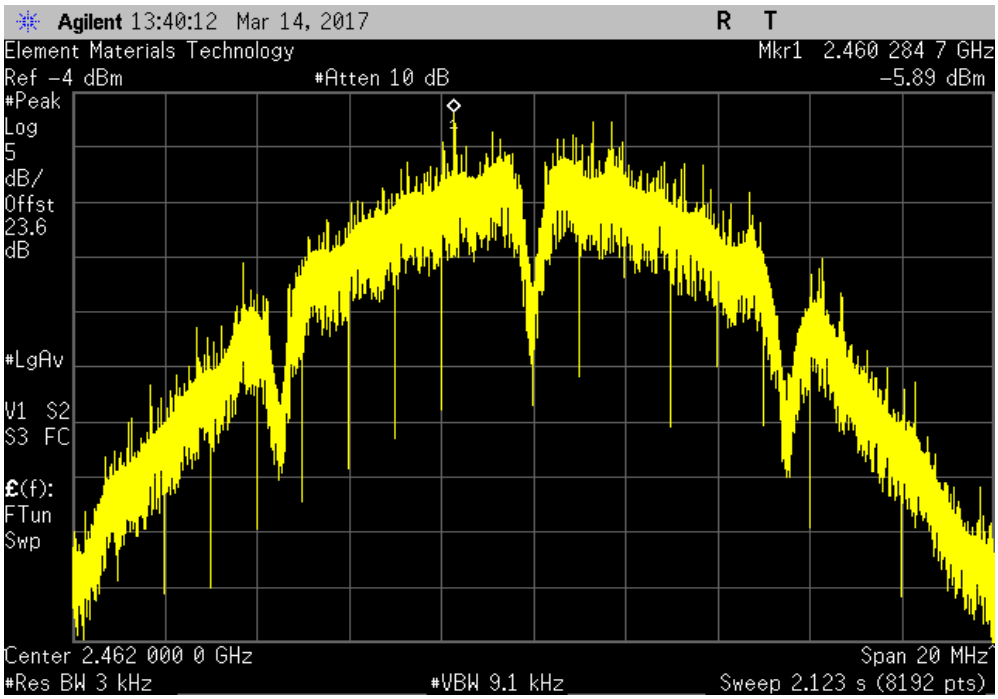
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-6.532	8	Pass



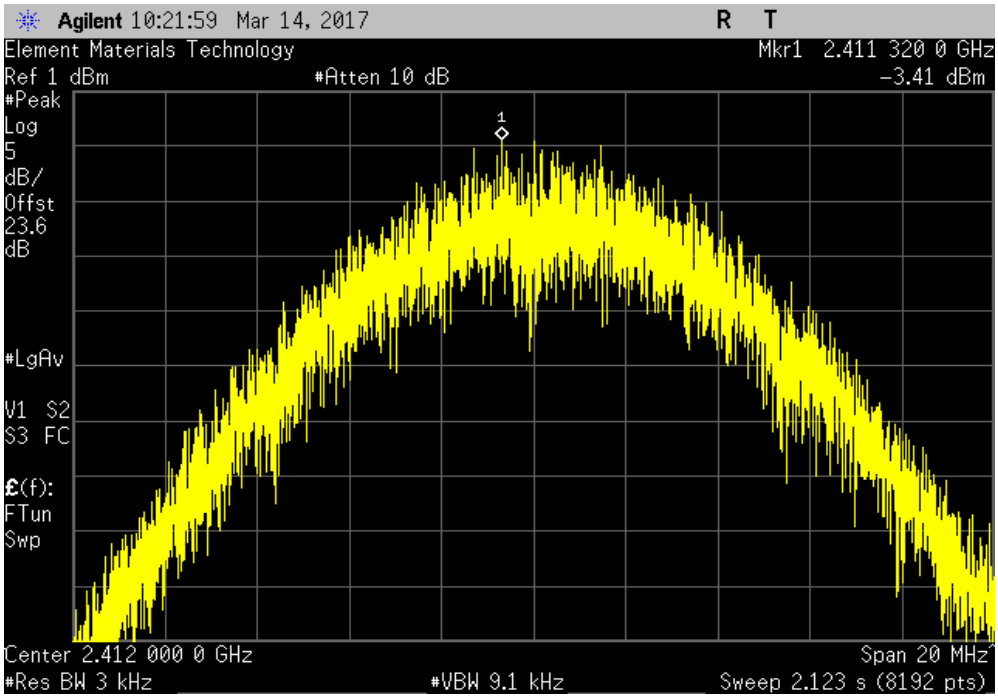
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-4.230	8	Pass



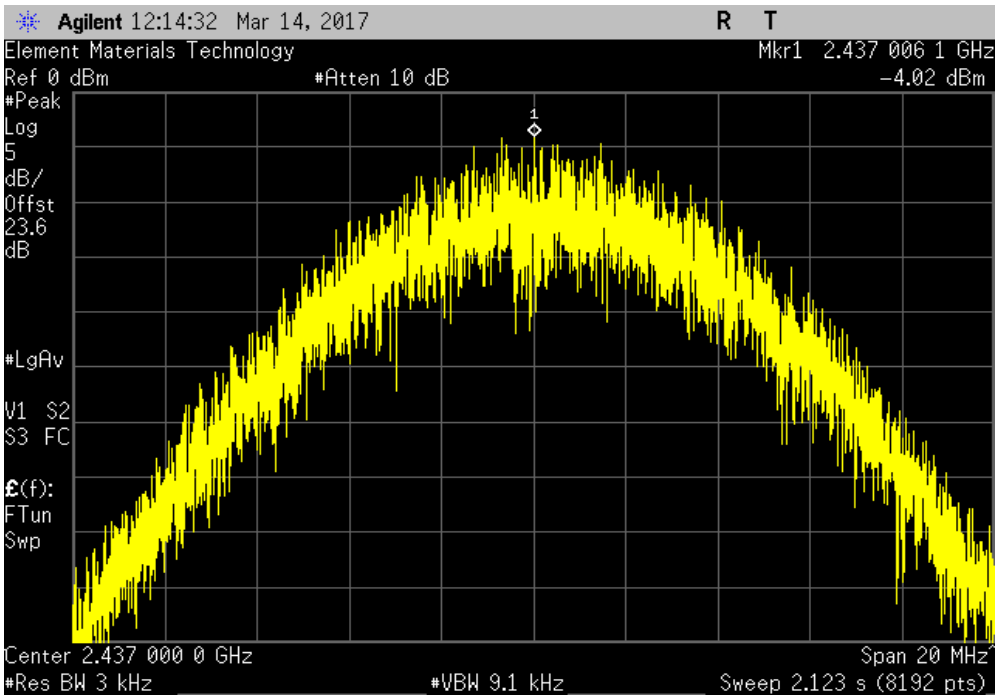
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-5.886	8	Pass



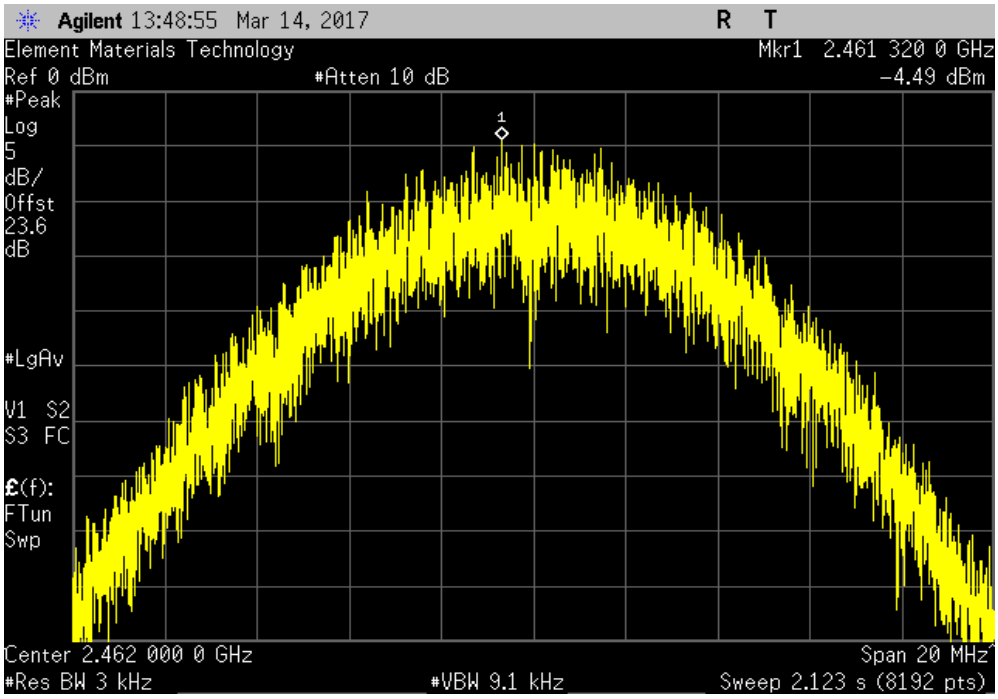
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-3.410	8	Pass



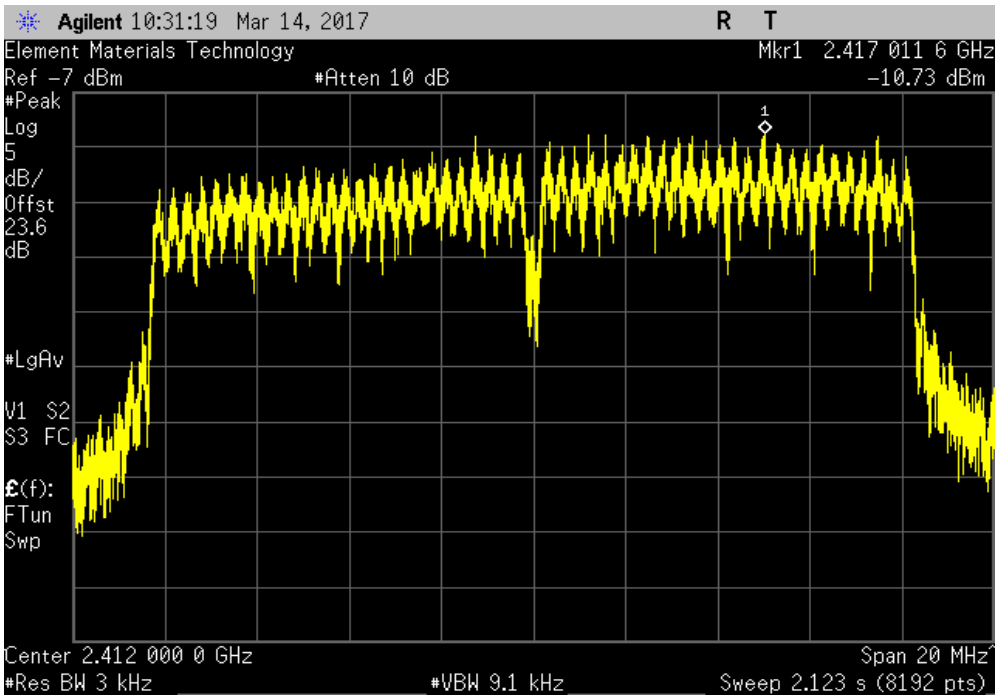
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-4.022	8	Pass



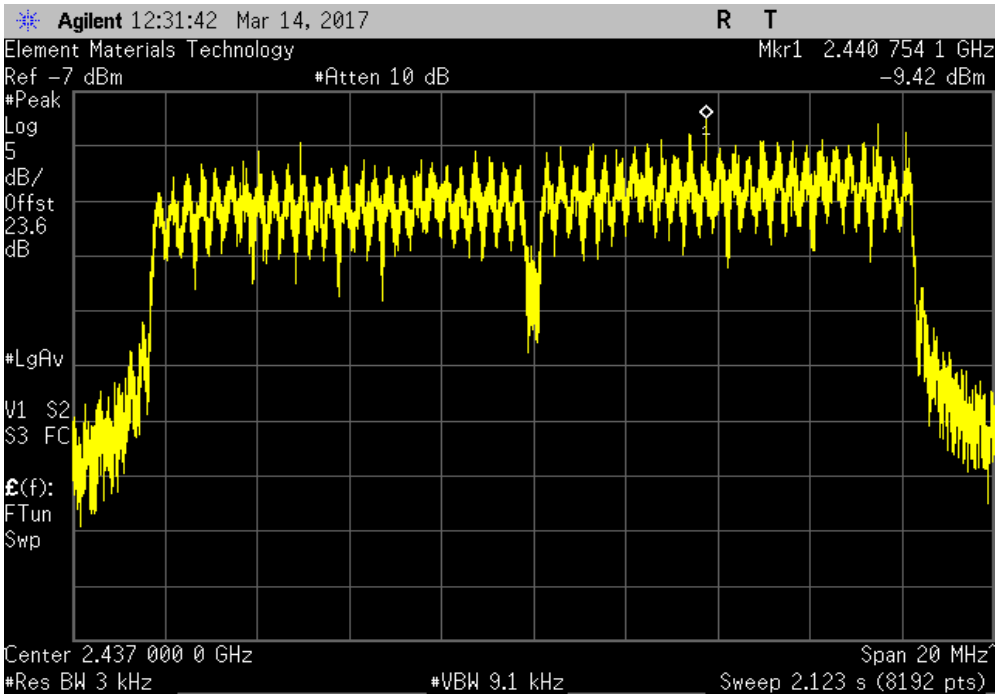
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-4.491	8	Pass



2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-10.728	8	Pass



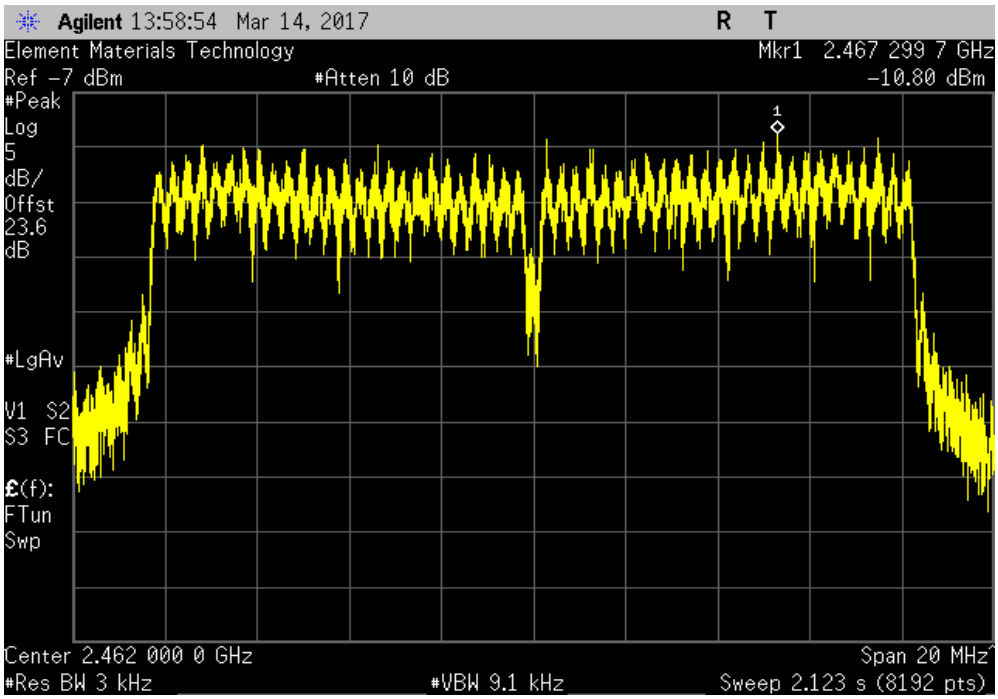
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-9.419	8	Pass



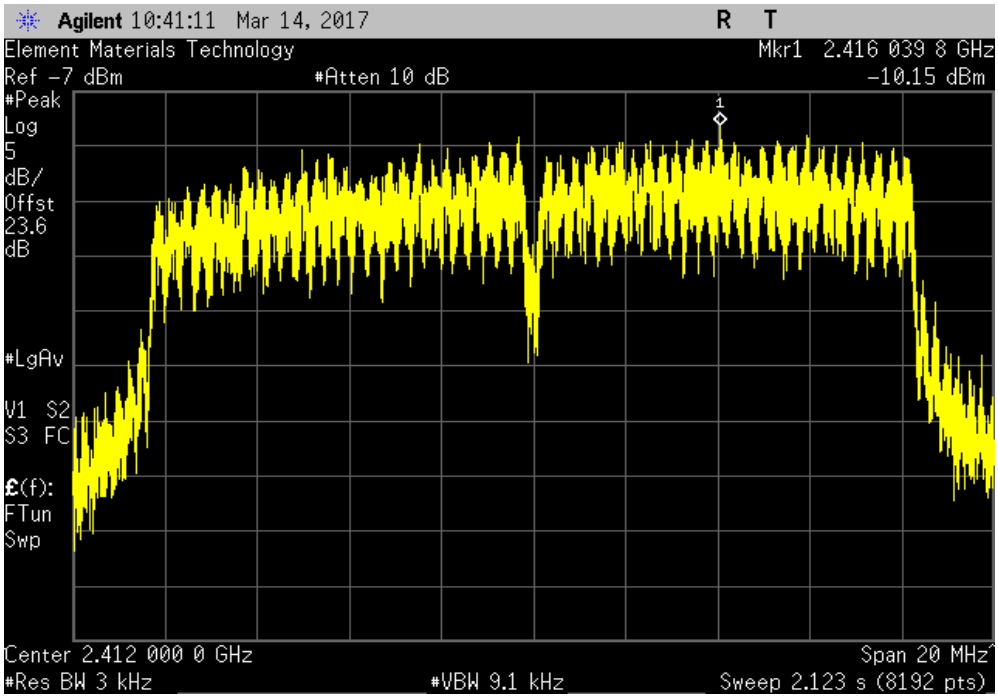
POWER SPECTRAL DENSITY

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-10.797	8	Pass



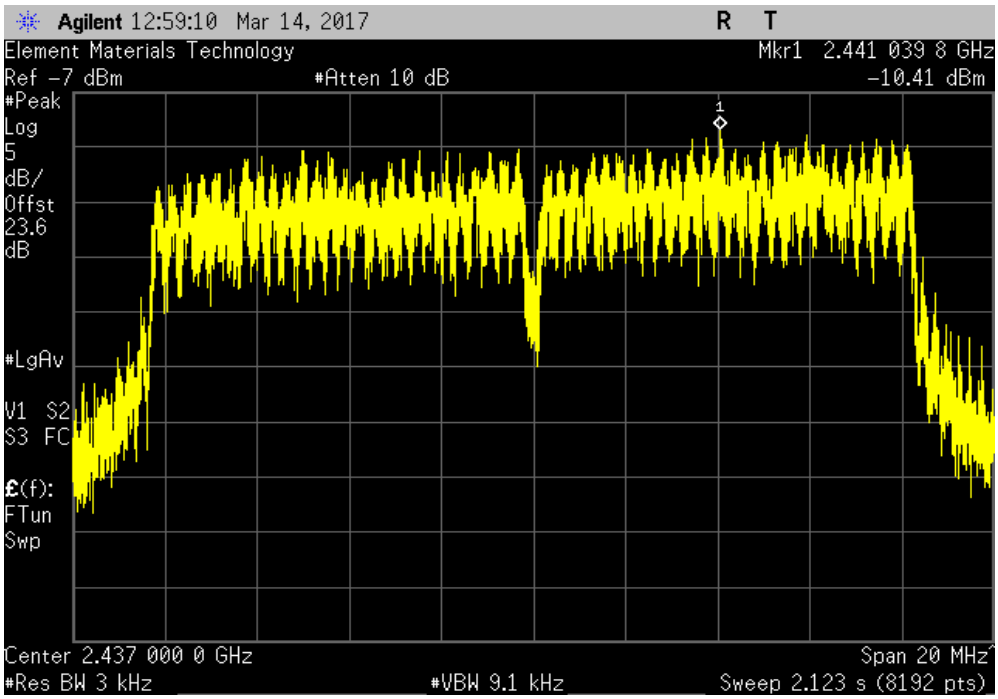
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-10.153	8	Pass



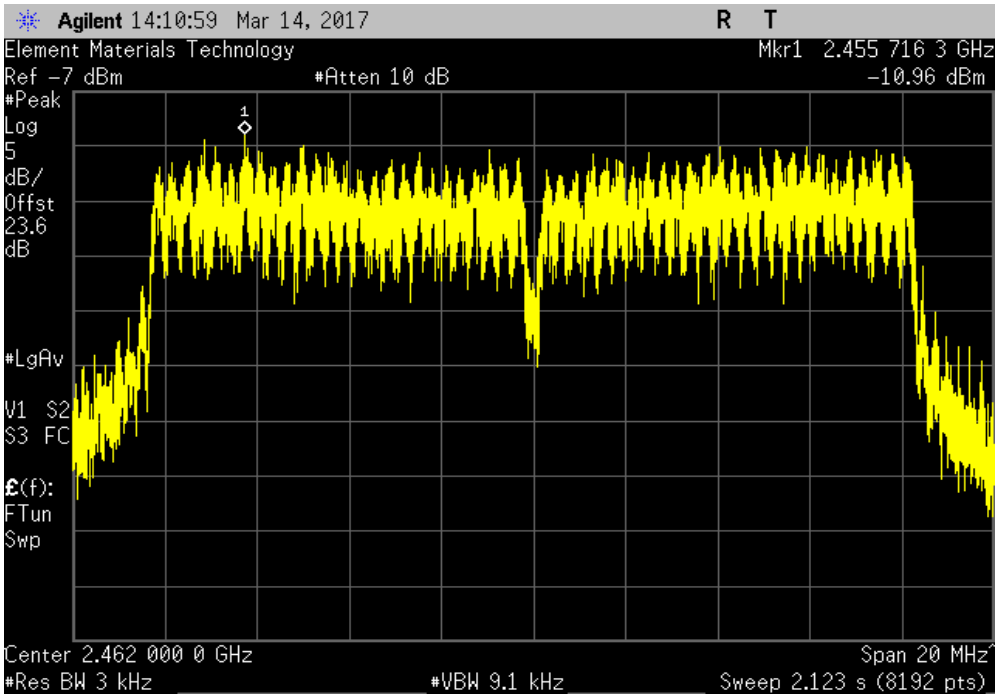
POWER SPECTRAL DENSITY

TbtTx 2017.01.27 XMit 2017.01.26

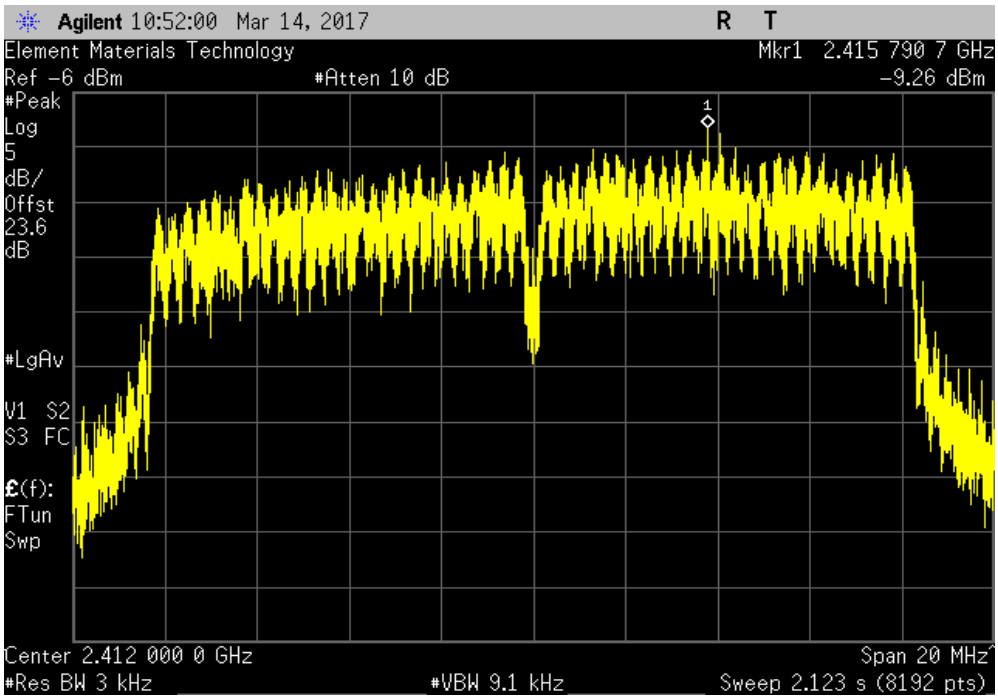
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-10.414	8	Pass



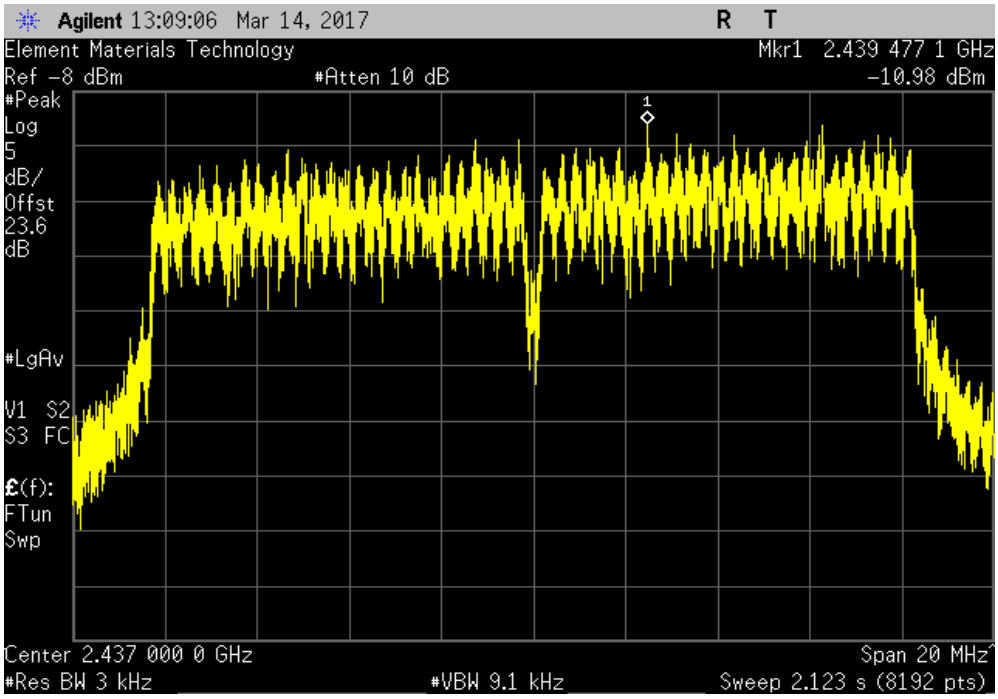
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-10.964	8	Pass



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-9.255	8	Pass



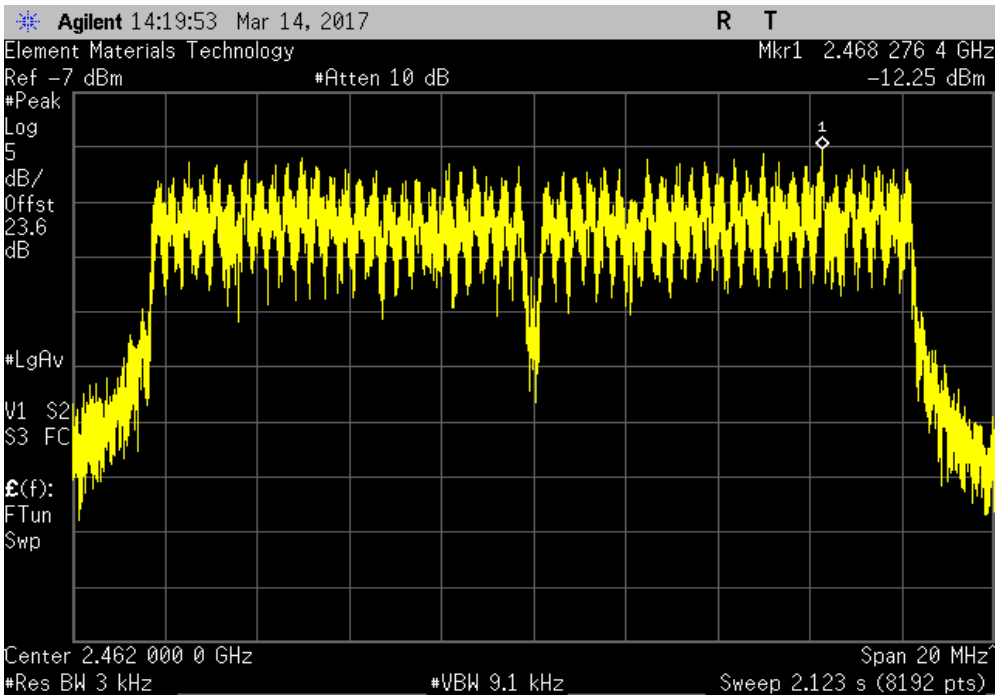
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-10.981	8	Pass



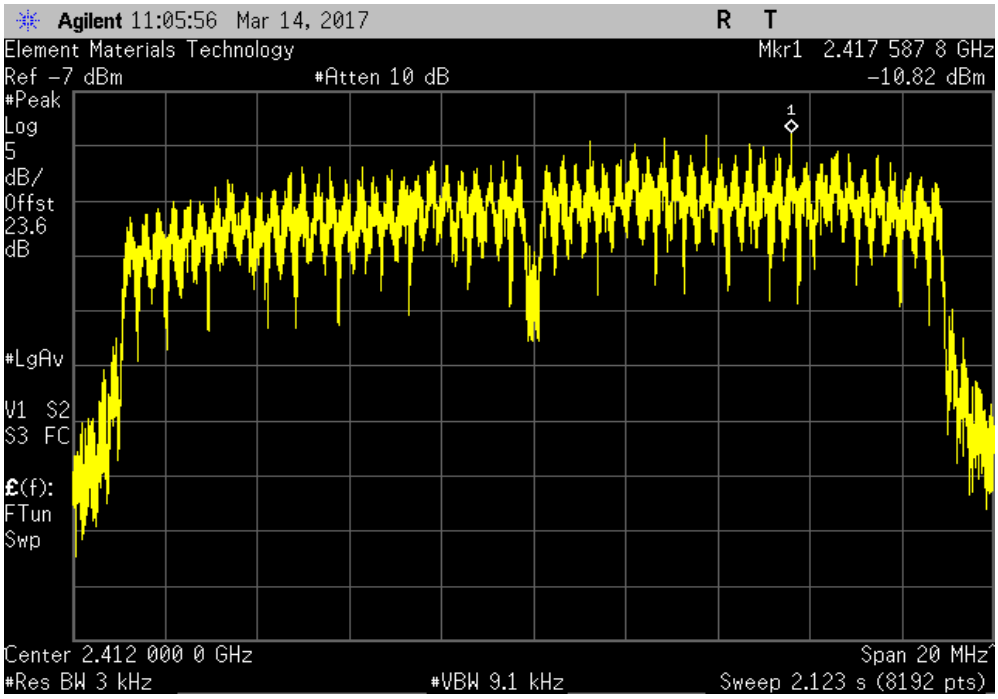
POWER SPECTRAL DENSITY

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-12.252	8	Pass



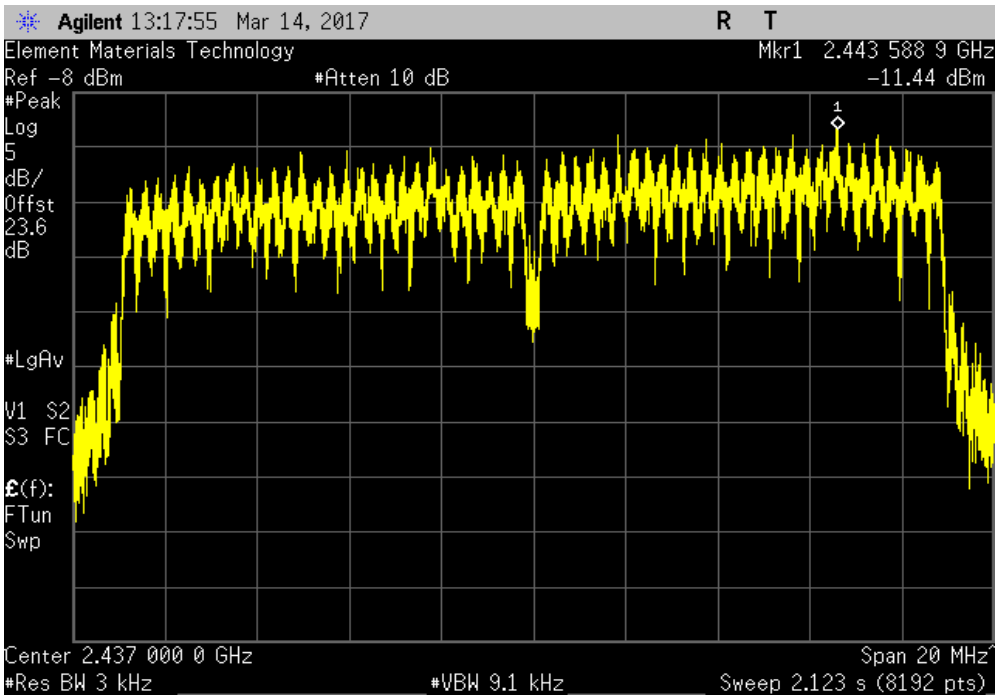
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-10.823	8	Pass



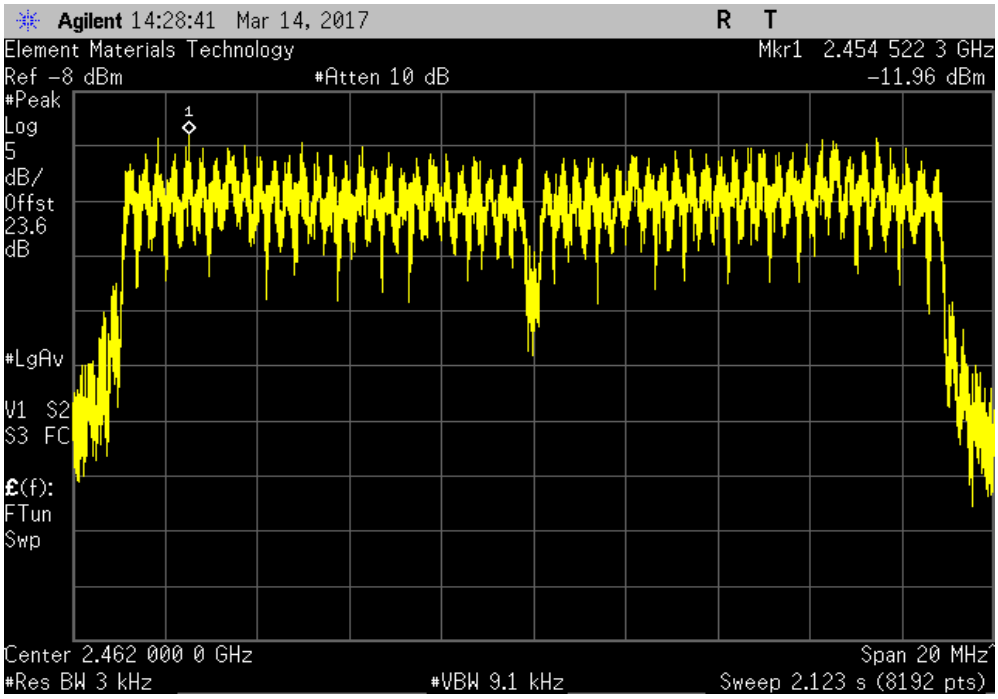
POWER SPECTRAL DENSITY

TbtTx 2017.01.27 XMit 2017.01.26

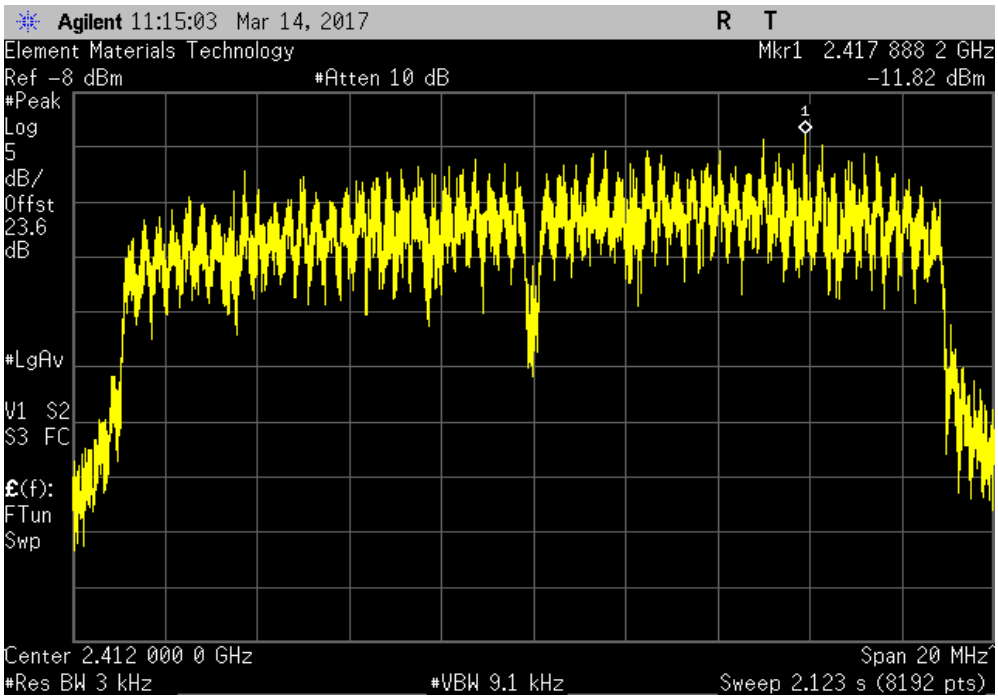
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-11.435	8	Pass



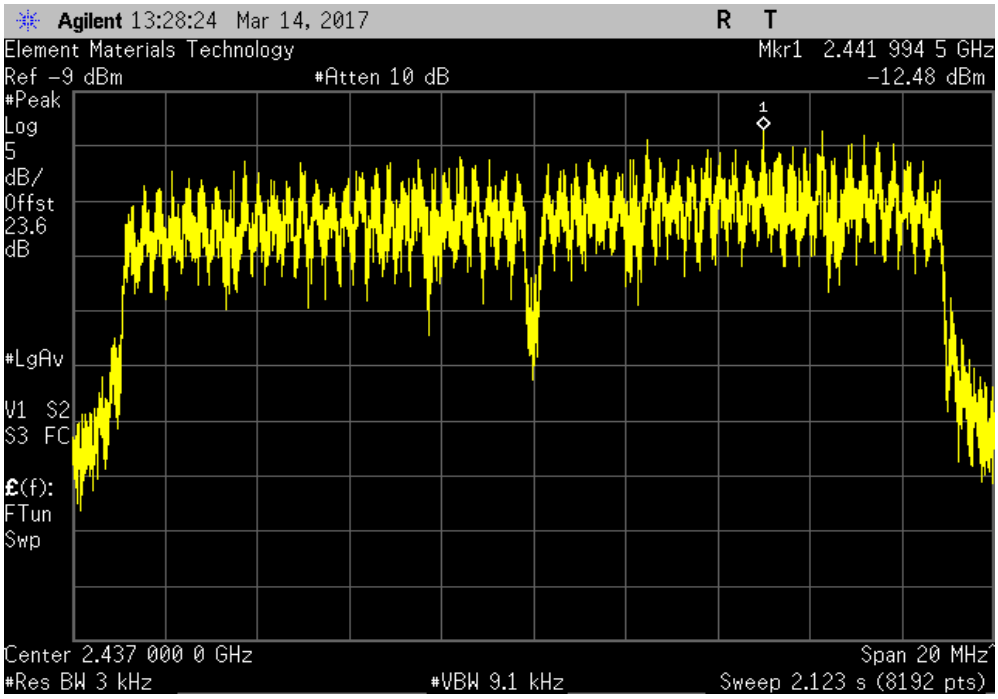
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-11.964	8	Pass



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-11.824	8	Pass



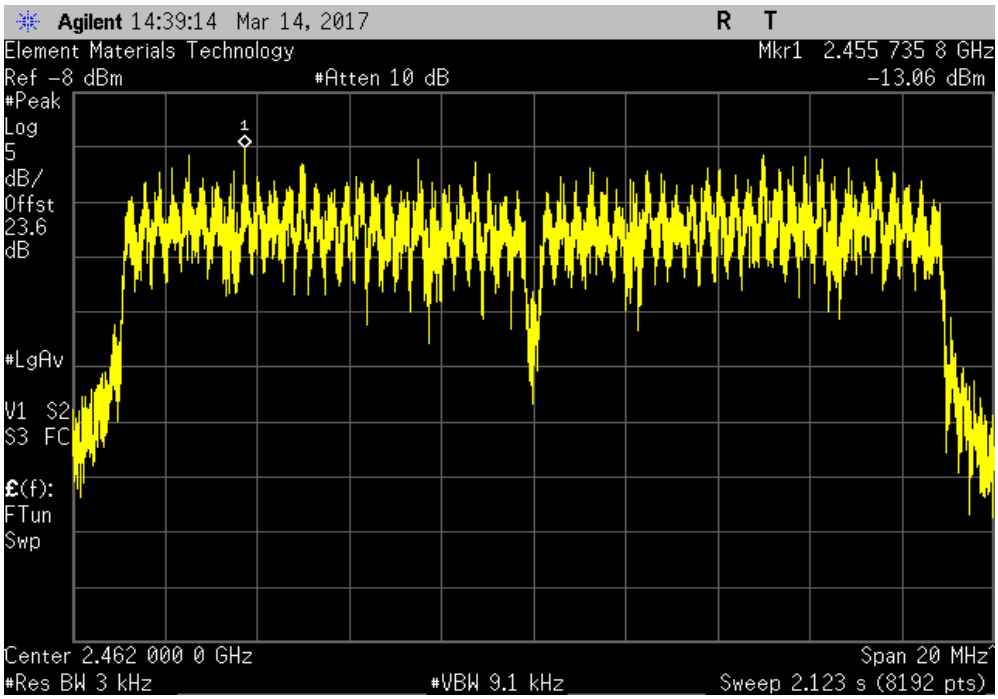
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-12.484	8	Pass



POWER SPECTRAL DENSITY

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value dBm/3kHz	Limit < dBm/3kHz	Results
				-13.062	8	Pass



BAND EDGE COMPLIANCE

XMit 2017.01.26

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.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	2/5/2018
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	NCR
Attenuator	Fairview Microwave	SA18H-20	TKR	1/5/2017	1/5/2018
Block - DC	Fairview Microwave	SD3379	AMV	1/11/2017	1/11/2018
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFA	11/2/2016	11/2/2017

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in each available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge.

An RMS detector was used to match the method called out for Output Power. Because the reference level was taken with an RMS detector, the attenuation requirement is -30 dBc.

BAND EDGE COMPLIANCE

TbtTx 2017.01.27 XMit 2017.01.26

EUT:	DC-6000-001			**Work Order:**	LYTX0018
Serial Number:	SF00000634			**Date:**	03/14/17
Customer:	Lytx, Inc.			**Temperature:**	21.2 °C
Attendees:	None			**Humidity:**	46.6% RH
Project:	None			**Barometric Pres.:**	1022 mbar
Tested by:	Mike Tran	**Power:**	14VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 15.247:2017	ANSI C63.10:2013

COMMENTS

Using client provided power settings. DC Block/20dB Attenuator + Coax Cable + Patch Cable = 23.62 dB Total Offset

DEVIATIONS FROM TEST STANDARD

None

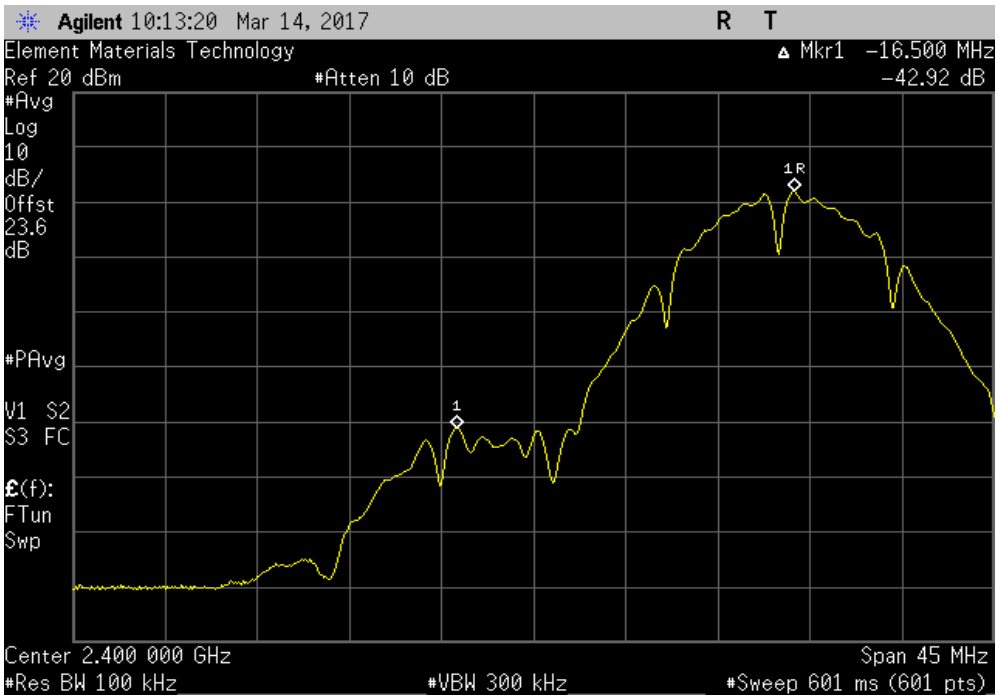
Configuration #	1	Signature

	Value (dBc)	Limit ≤ (dBc)	Result
2400 MHz - 2483.5 MHz Band			
802.11(b) 1 Mbps			
Low Channel 1, 2412 MHz	-42.92	-30	Pass
High Channel 11, 2462 MHz	-62.52	-30	Pass
802.11(b) 11 Mbps			
Low Channel 1, 2412 MHz	-45.80	-30	Pass
High Channel 11, 2462 MHz	-63.12	-30	Pass
802.11(g) 6 Mbps			
Low Channel 1, 2412 MHz	-33.29	-30	Pass
High Channel 11, 2462 MHz	-45.34	-30	Pass
802.11(g) 36 Mbps			
Low Channel 1, 2412 MHz	-32.04	-30	Pass
High Channel 11, 2462 MHz	-45.65	-30	Pass
802.11(g) 54 Mbps			
Low Channel 1, 2412 MHz	-31.96	-30	Pass
High Channel 11, 2462 MHz	-47.06	-30	Pass
802.11(n) MCS0			
Low Channel 1, 2412 MHz	-32.83	-30	Pass
High Channel 11, 2462 MHz	-45.25	-30	Pass
802.11(n) MCS7			
Low Channel 1, 2412 MHz	-34.37	-30	Pass
High Channel 11, 2462 MHz	-47.67	-30	Pass

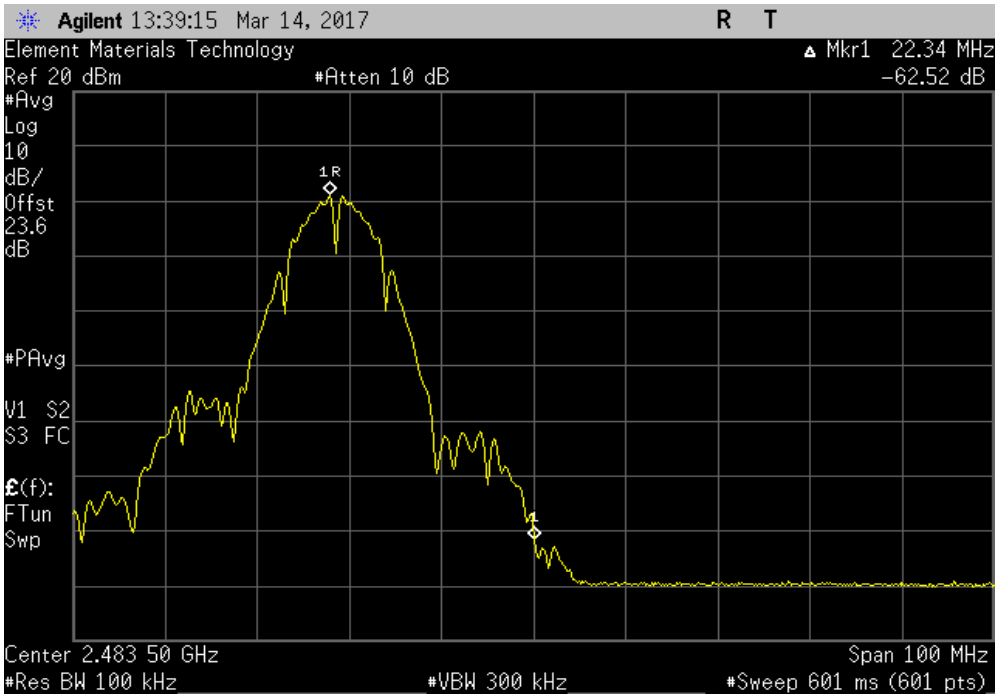
BAND EDGE COMPLIANCE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-42.92	-30	Pass



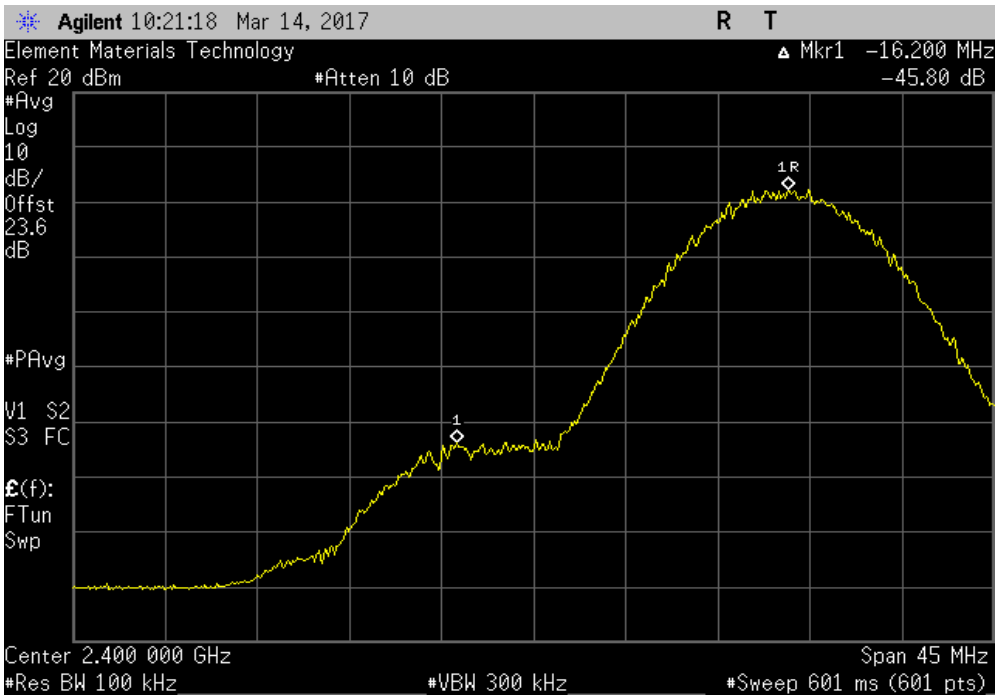
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-62.52	-30	Pass



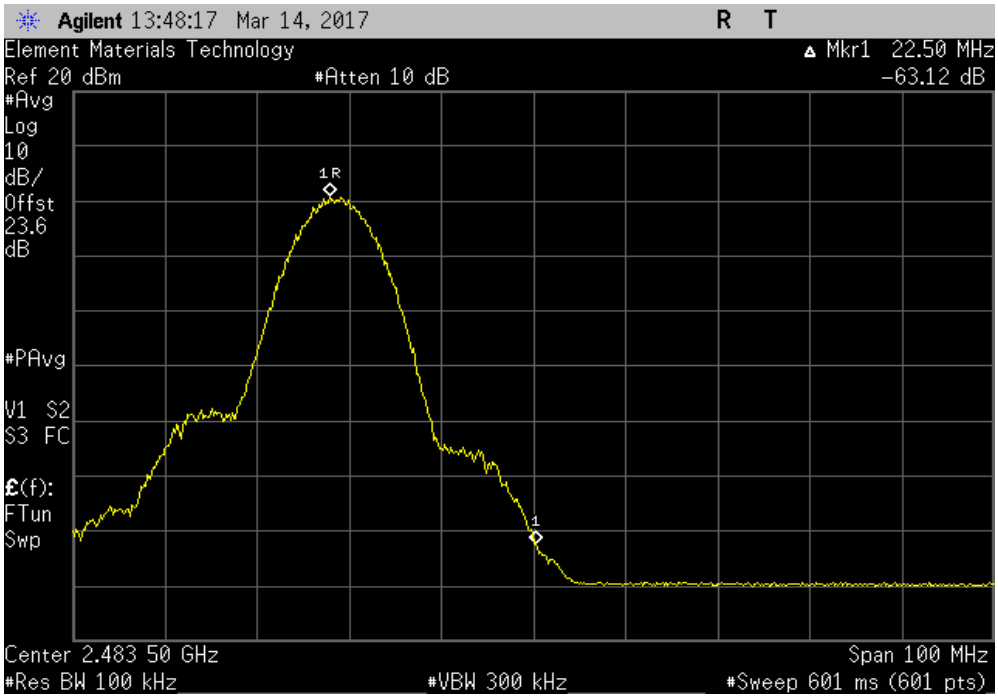
BAND EDGE COMPLIANCE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-45.80	-30	Pass

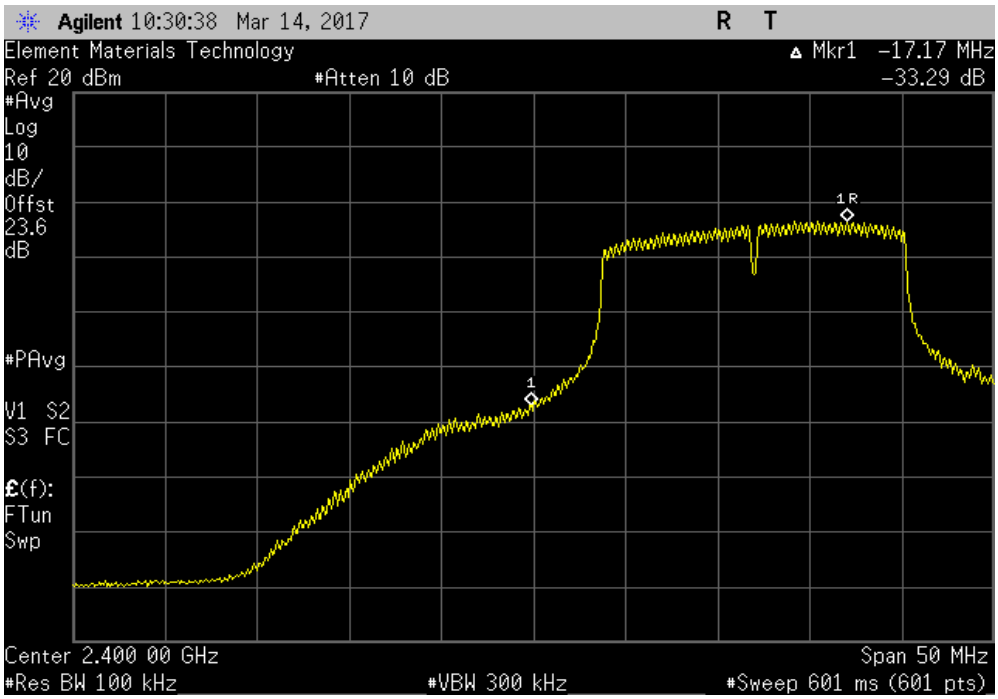


2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-63.12	-30	Pass

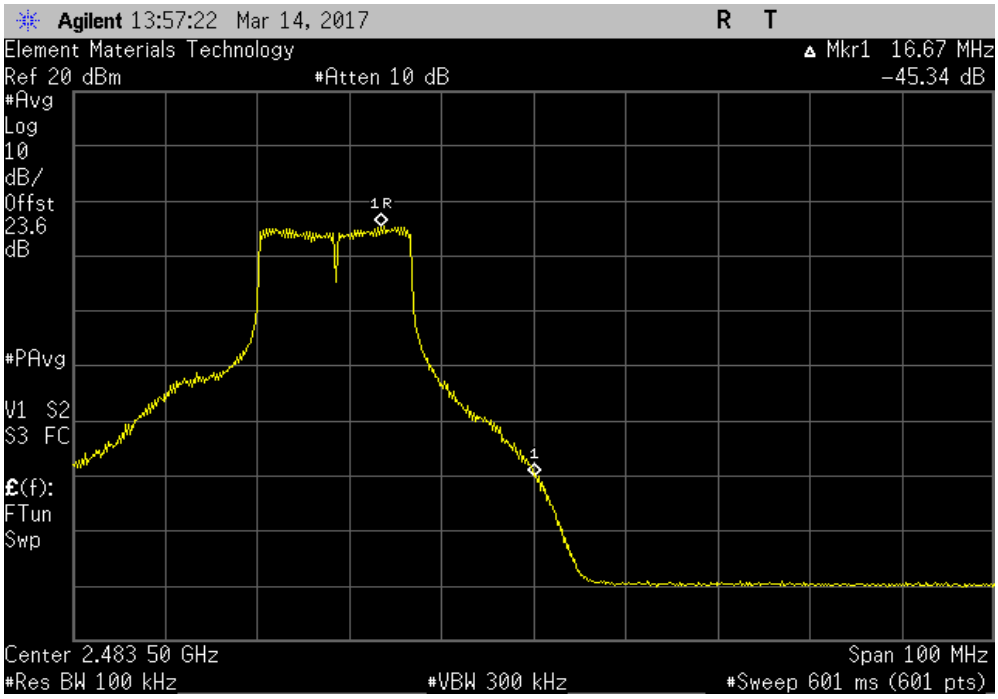


BAND EDGE COMPLIANCE

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-33.29	-30	Pass



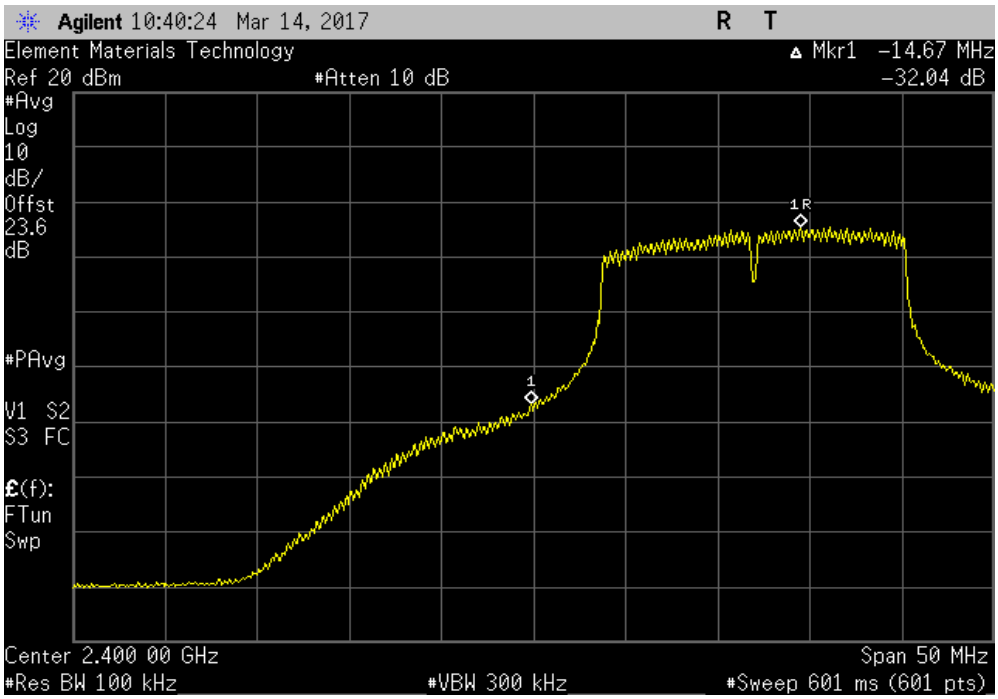
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-45.34	-30	Pass



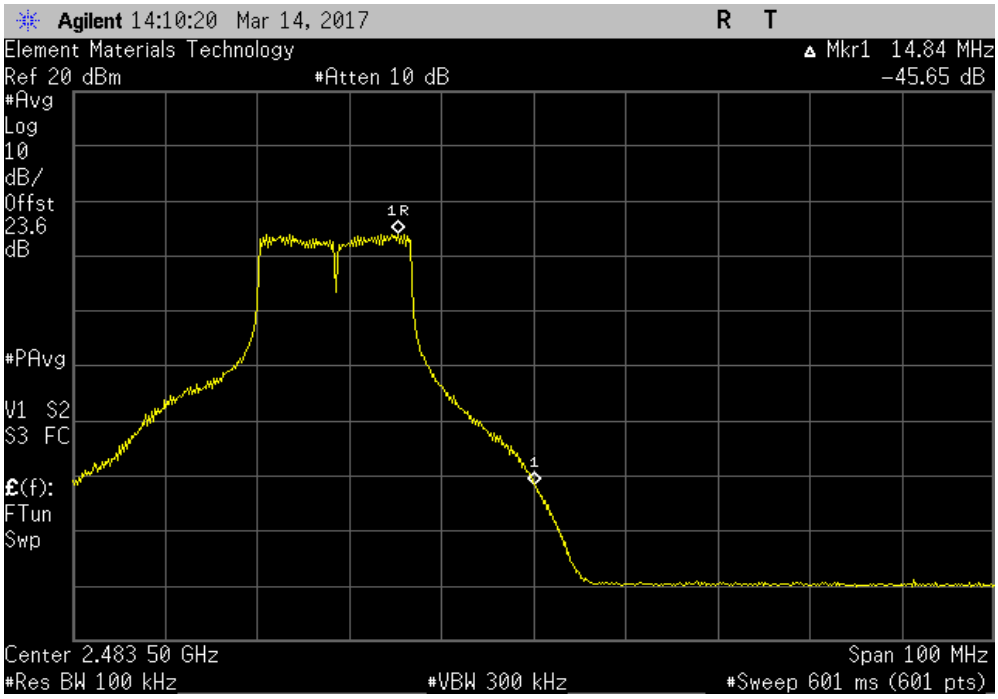
BAND EDGE COMPLIANCE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-32.04	-30	Pass

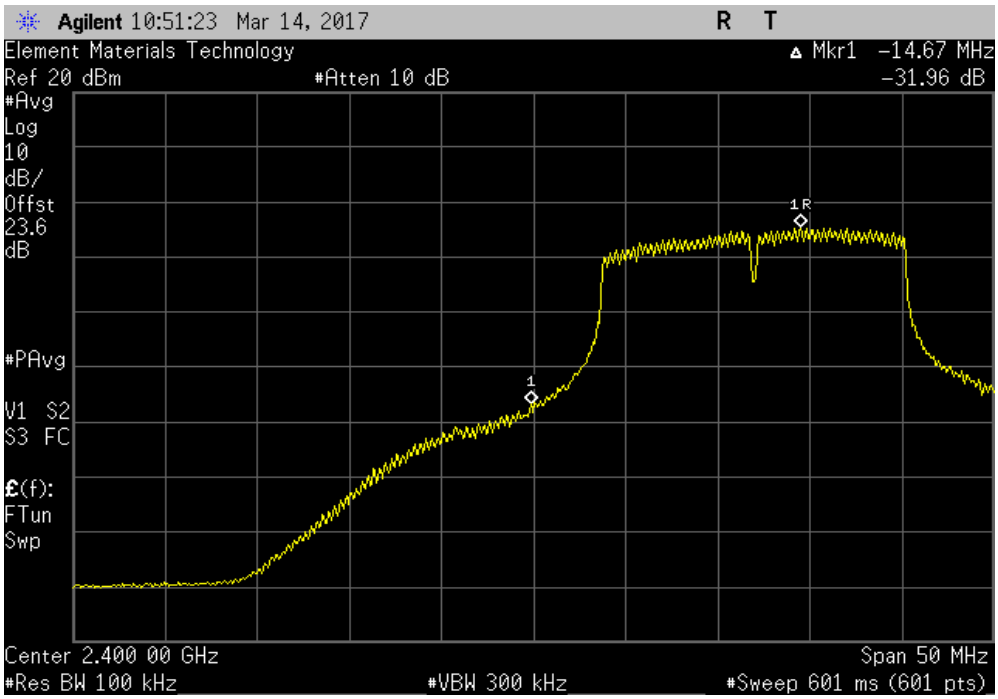


2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-45.65	-30	Pass

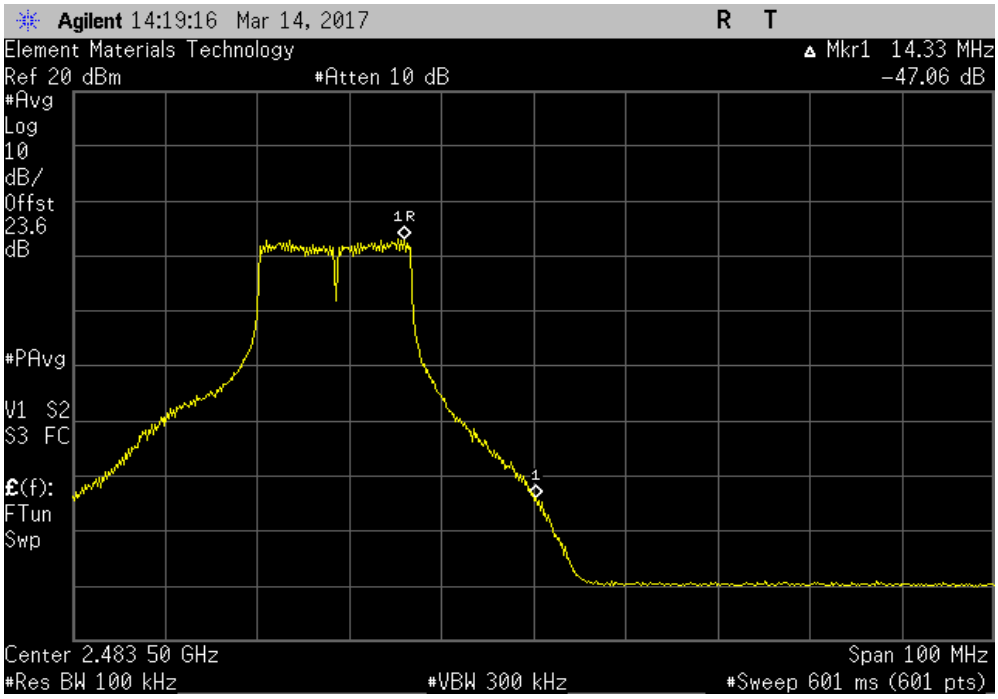


BAND EDGE COMPLIANCE

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-31.96	-30	Pass



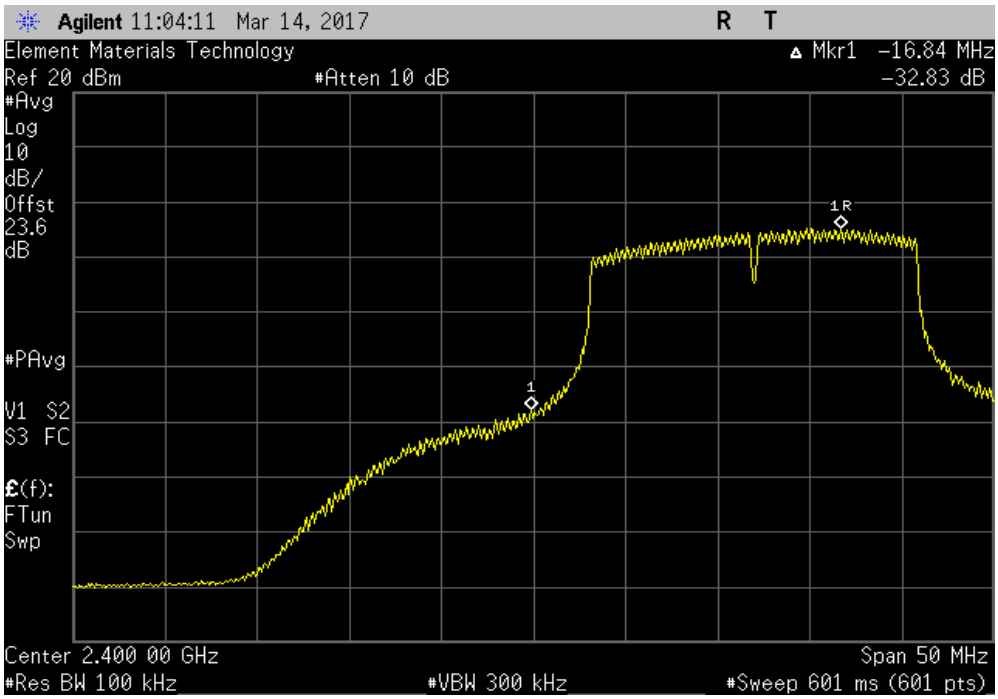
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-47.06	-30	Pass



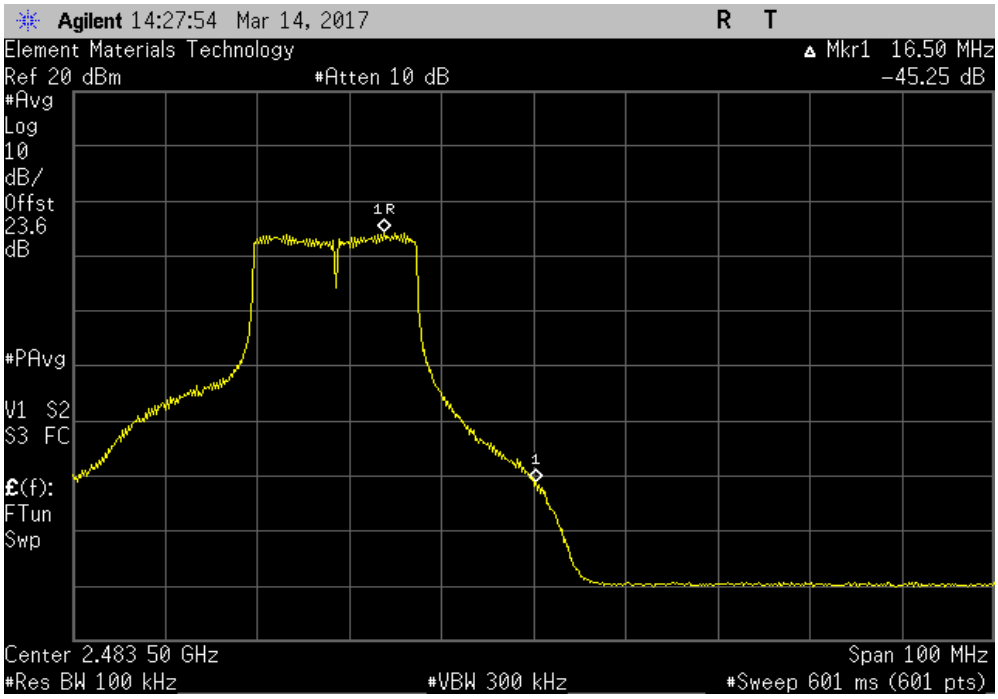
BAND EDGE COMPLIANCE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-32.83	-30	Pass



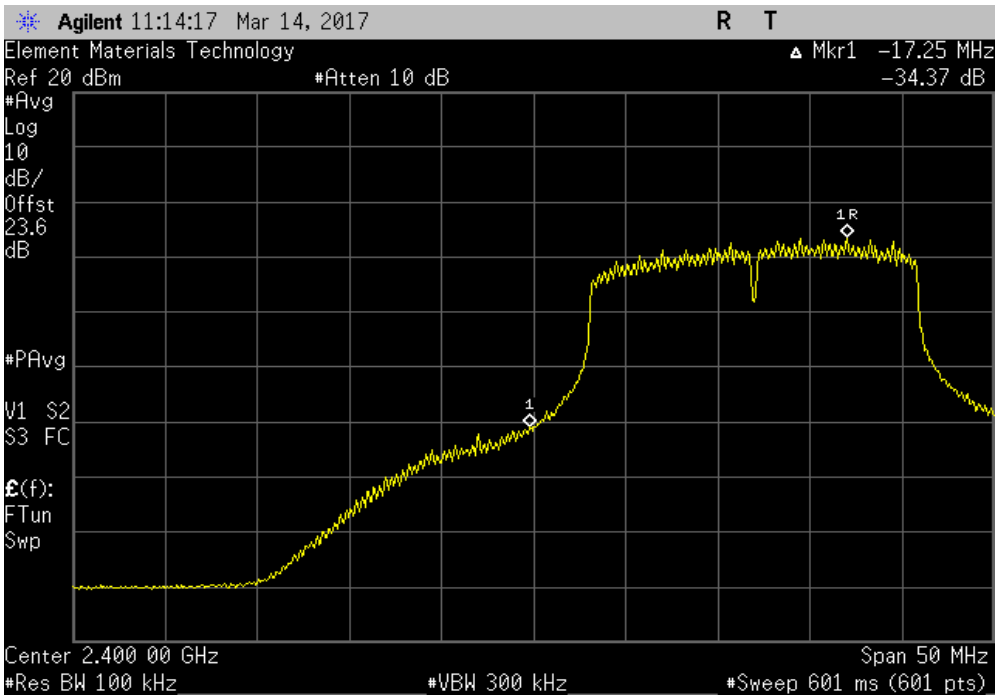
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-45.25	-30	Pass



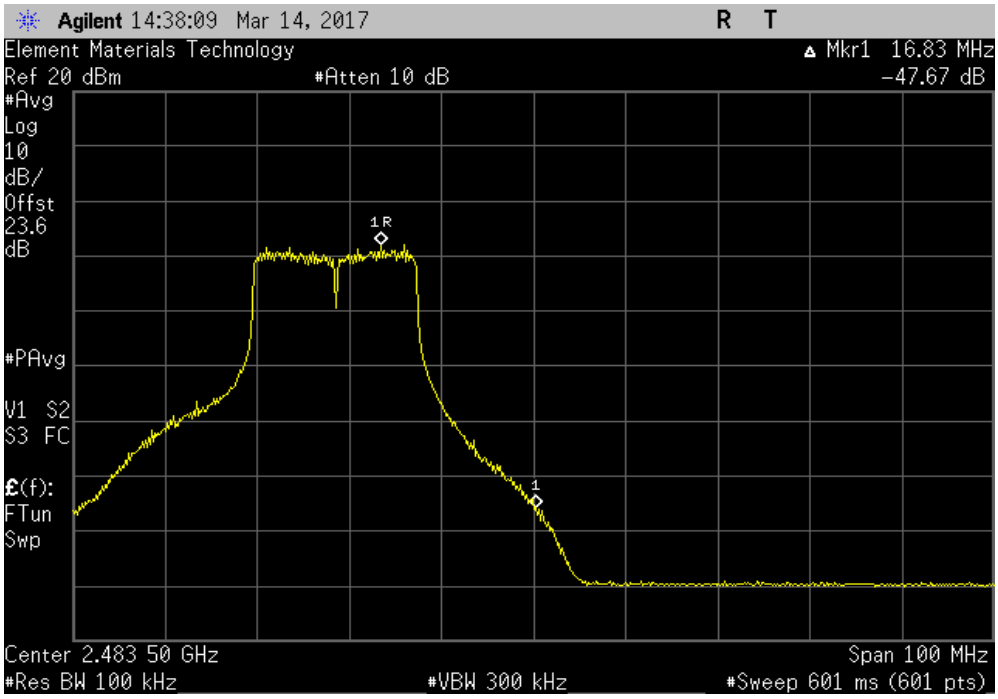
BAND EDGE COMPLIANCE

TbtTx 2017.01.27 XMit 2017.01.26

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-34.37	-30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-47.67	-30	Pass



SPURIOUS CONDUCTED EMISSIONS

XMit 2017.01.26

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.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E8257D	TGU	2/5/2015	2/5/2018
Cable	Fairview Microwave	SCA1814-0101-120	OCZ	NCR	NCR
Attenuator	Fairview Microwave	SA18H-20	TKR	1/5/2017	1/5/2018
Block - DC	Fairview Microwave	SD3379	AMV	1/11/2017	1/11/2018
Analyzer - Spectrum Analyzer	Agilent	E4440A	AFA	11/2/2016	11/2/2017

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The EUT was transmitting at the data rate(s) listed in the datasheet. For each transmit frequency, the spectrum was scanned throughout the specified frequency range.

SPURIOUS CONDUCTED EMISSIONS

TbtTx 2017.01.27 XMit 2017.01.26

EUT:	DC-6000-001			**Work Order:**	LYTX0018
Serial Number:	SF00000634			**Date:**	03/14/17
Customer:	Lytx, Inc.			**Temperature:**	21.2 °C
Attendees:	None			**Humidity:**	46.6% RH
Project:	None			**Barometric Pres.:**	1022 mbar
Tested by:	Mike Tran	**Power:**	14VDC	**Job Site:**	OC13

TEST SPECIFICATIONS	Test Method
FCC 15.247:2017	ANSI C63.10:2013

COMMENTS

Using client provided power settings. DC Block/20dB Attenuator + Coax Cable + Patch Cable = 23.62 dB Total Offset

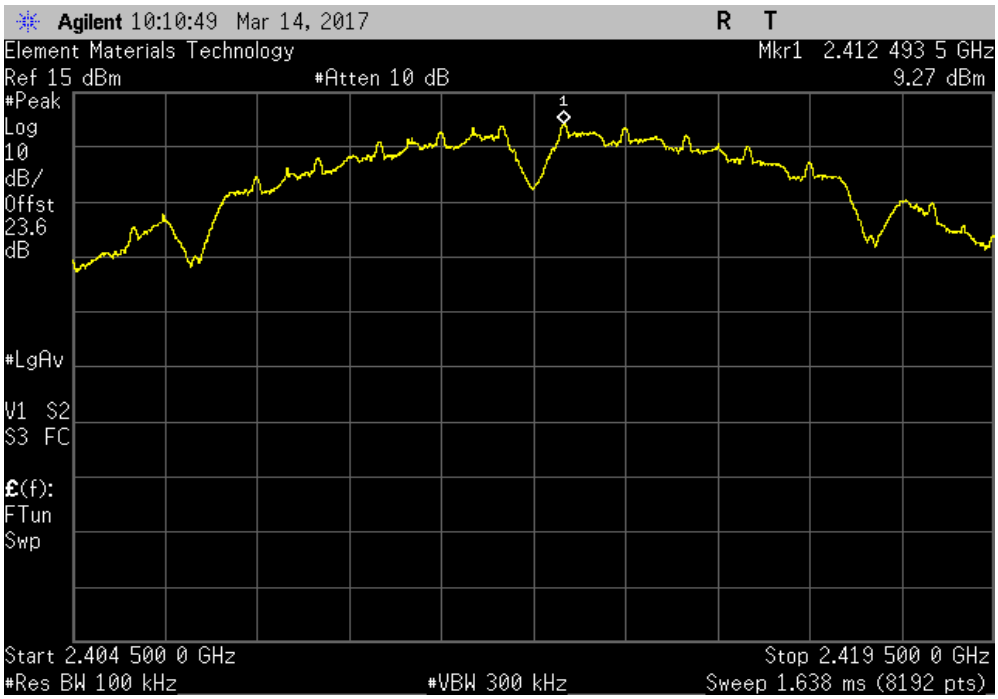
DEVIATIONS FROM TEST STANDARD

None

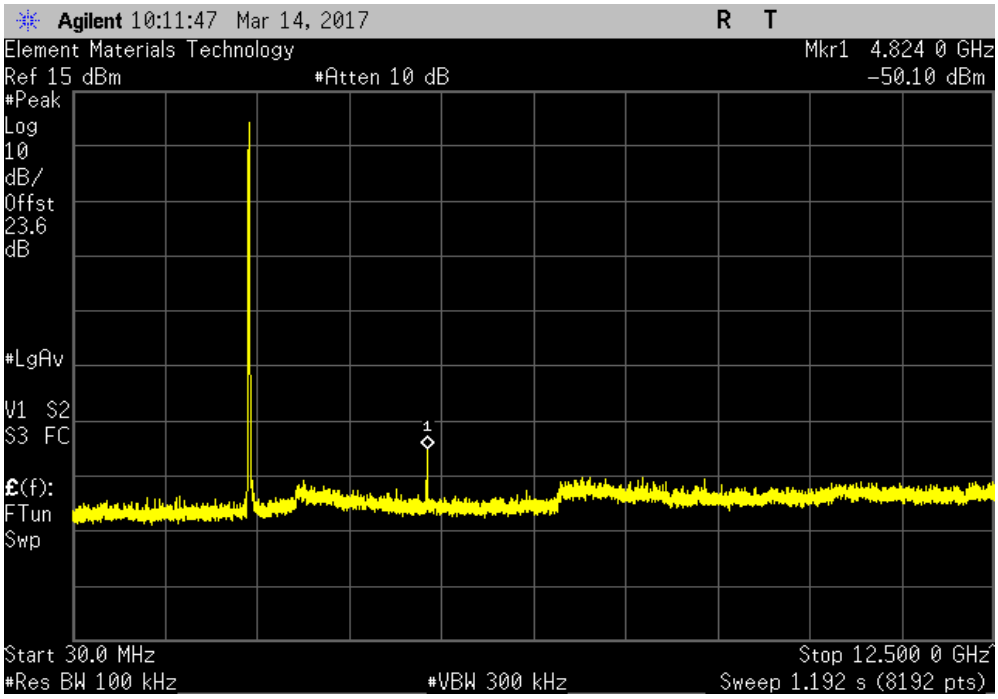
Configuration #	1	Signature

		Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result
2400 MHz - 2483.5 MHz Band					
	802.11(b) 1 Mbps				
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-59.37	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-59.84	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-63.29	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-60.49	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-50.08	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-59.71	-30	Pass
	802.11(b) 11 Mbps				
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-63.79	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-62.00	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-66.23	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-62.01	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-51.93	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-61.85	-30	Pass
	802.11(g) 6 Mbps				
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-55.78	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-57.12	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-60.92	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-56.94	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-55.87	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-56.95	-30	Pass
	802.11(g) 36 Mbps				
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-57.04	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-56.12	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-60.26	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-55.45	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-59.34	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-55.42	-30	Pass
	802.11(g) 54 Mbps				
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-57.81	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-55.45	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-58.88	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-55.19	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-57.55	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-54.80	-30	Pass
	802.11(n) MCS0				
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-55.34	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-56.01	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-60.33	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-56.33	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-58.01	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-55.14	-30	Pass
	802.11(n) MCS7				
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-57.73	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-53.92	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-57.21	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-52.48	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-56.65	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-52.82	-30	Pass

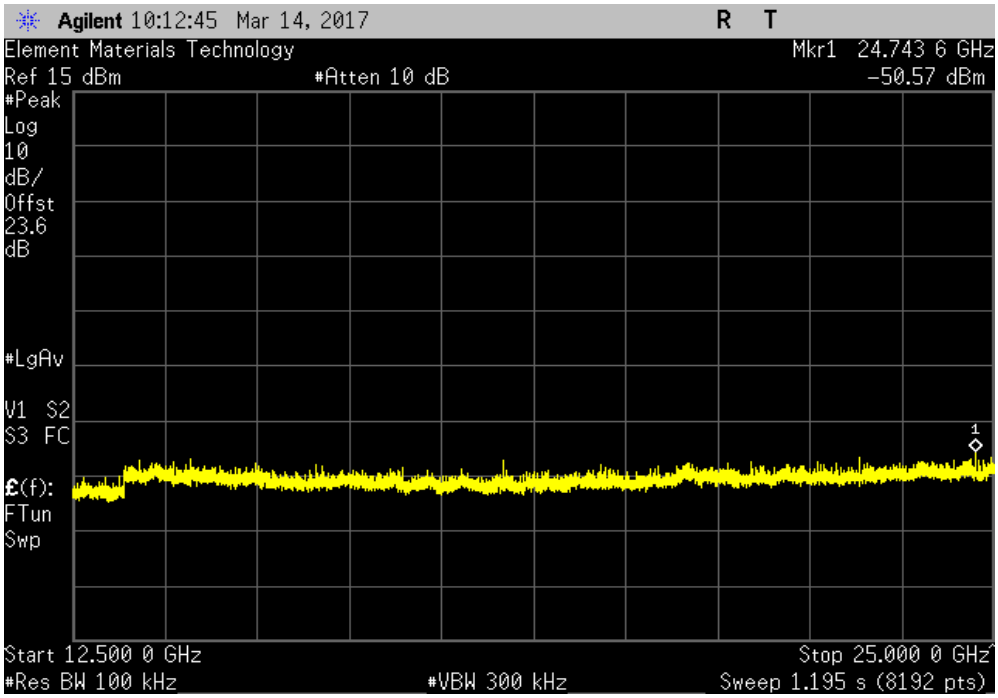
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



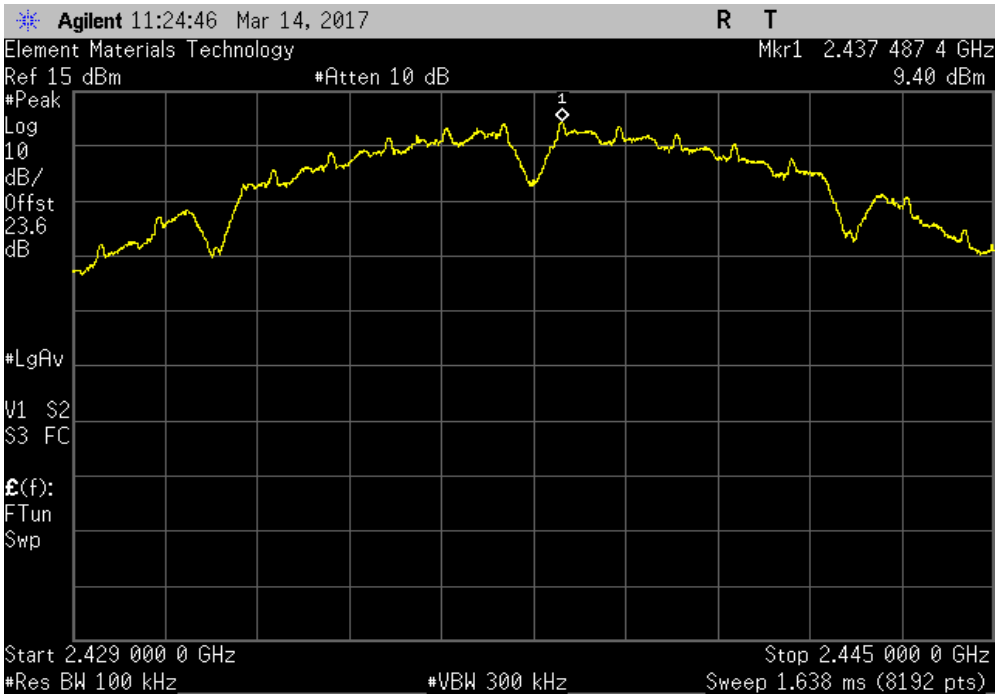
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz					
Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz			-59.37	-30	Pass



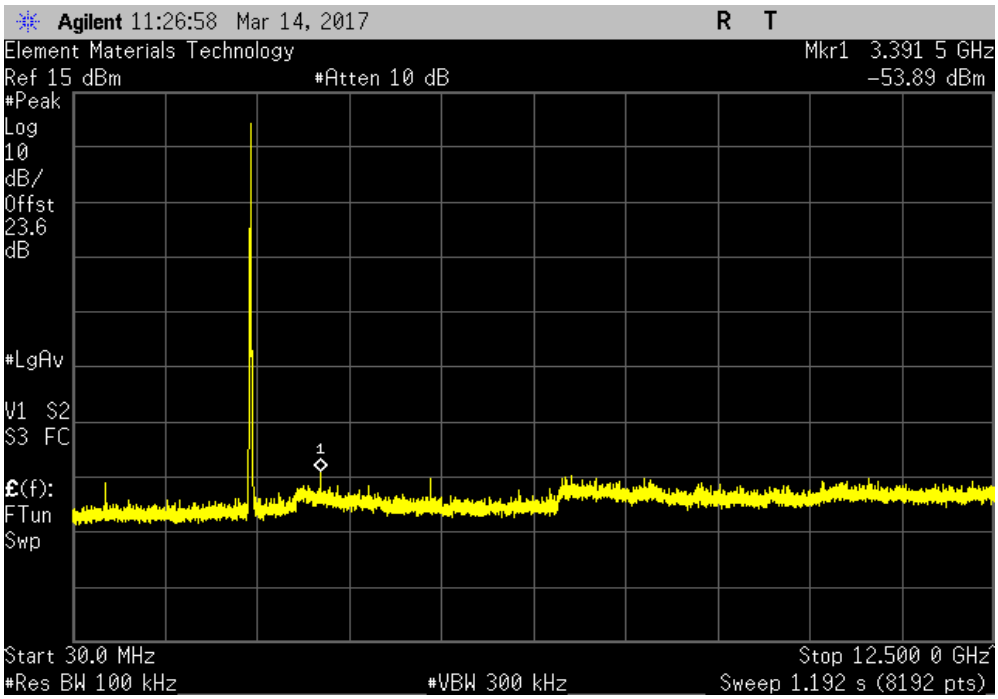
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-59.84	-30	Pass



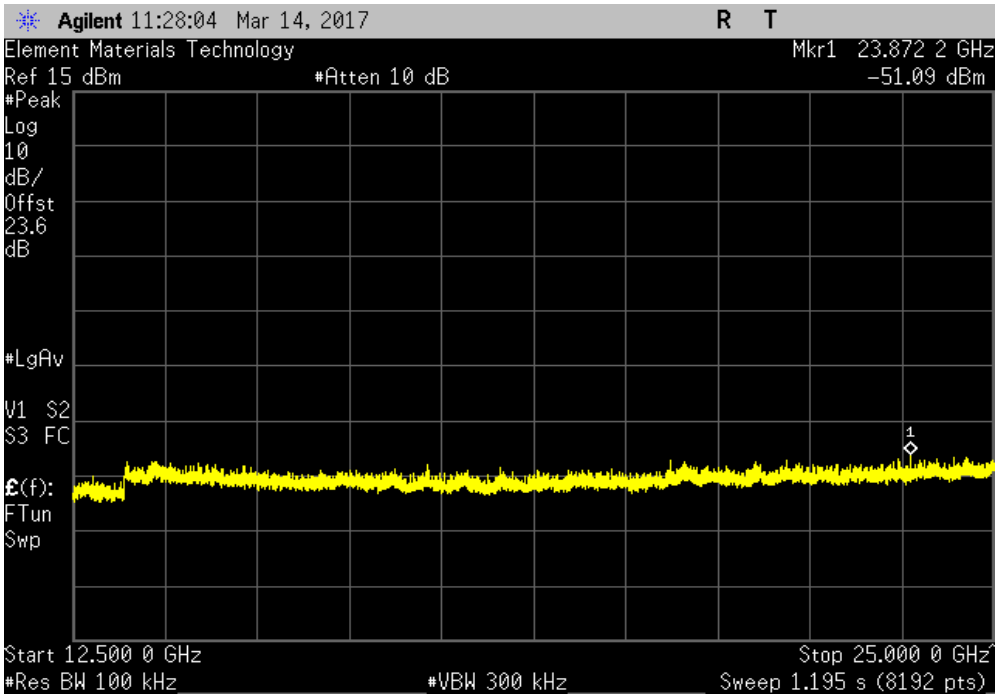
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-63.29	-30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-60.49	-30	Pass



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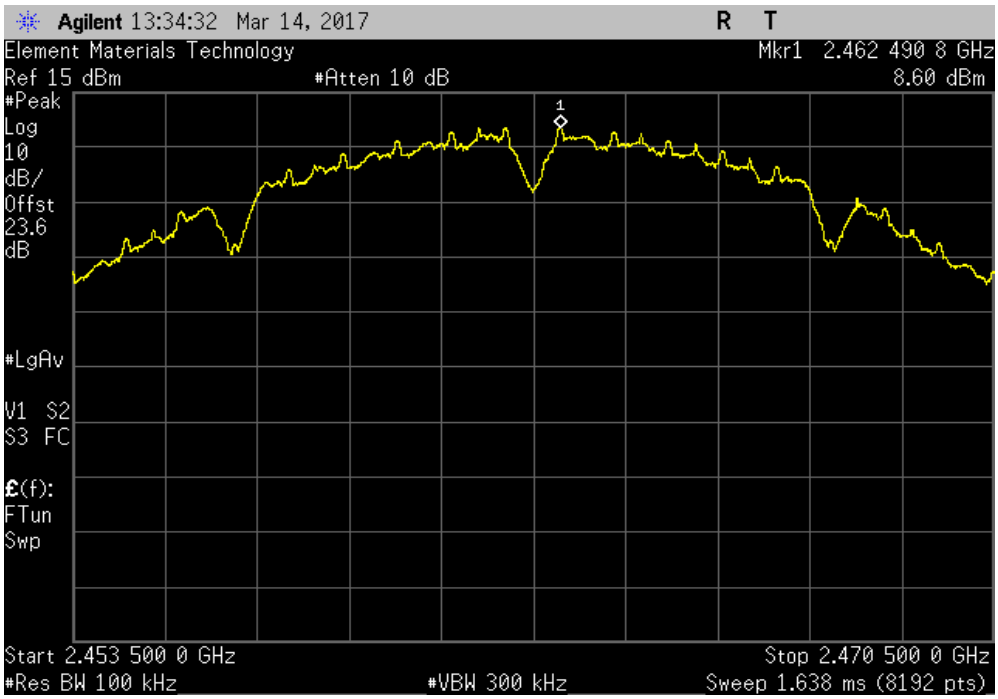
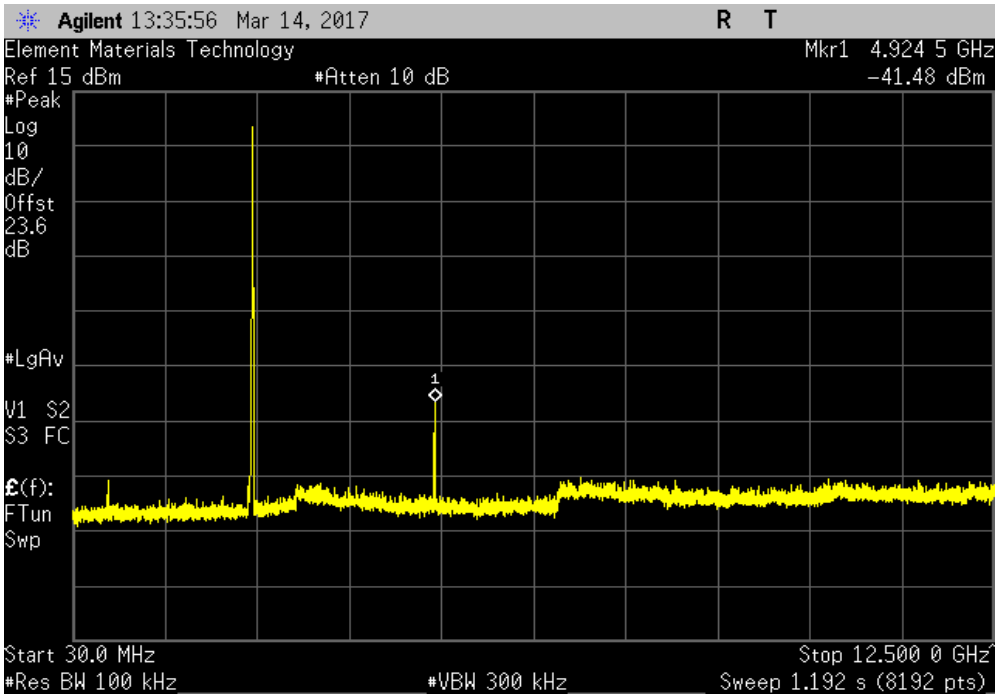
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz					
Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz			-50.08	-30	Pass



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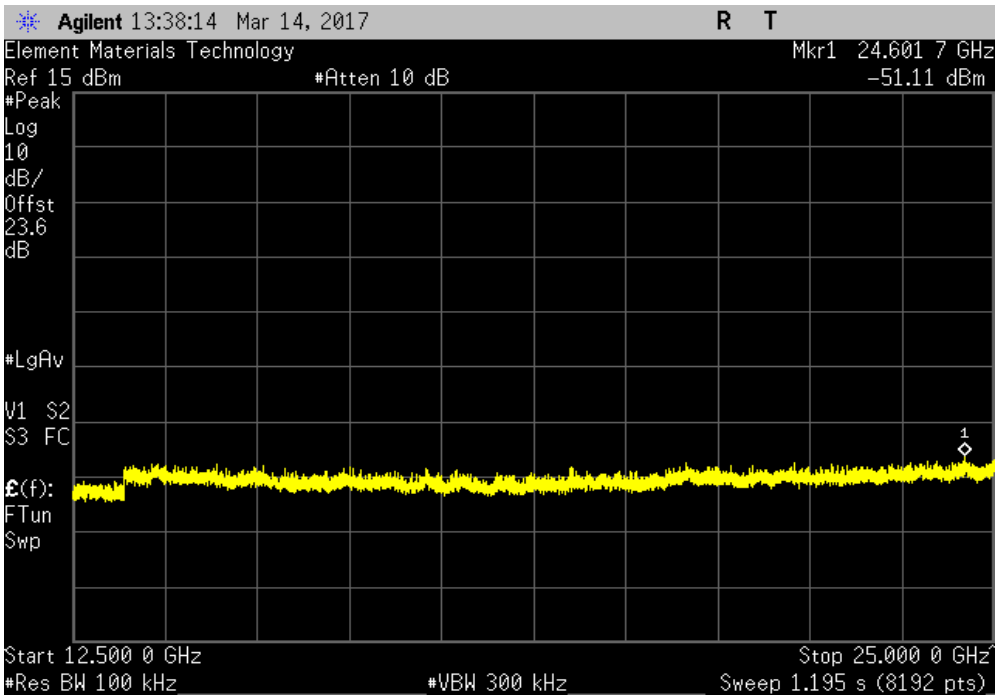
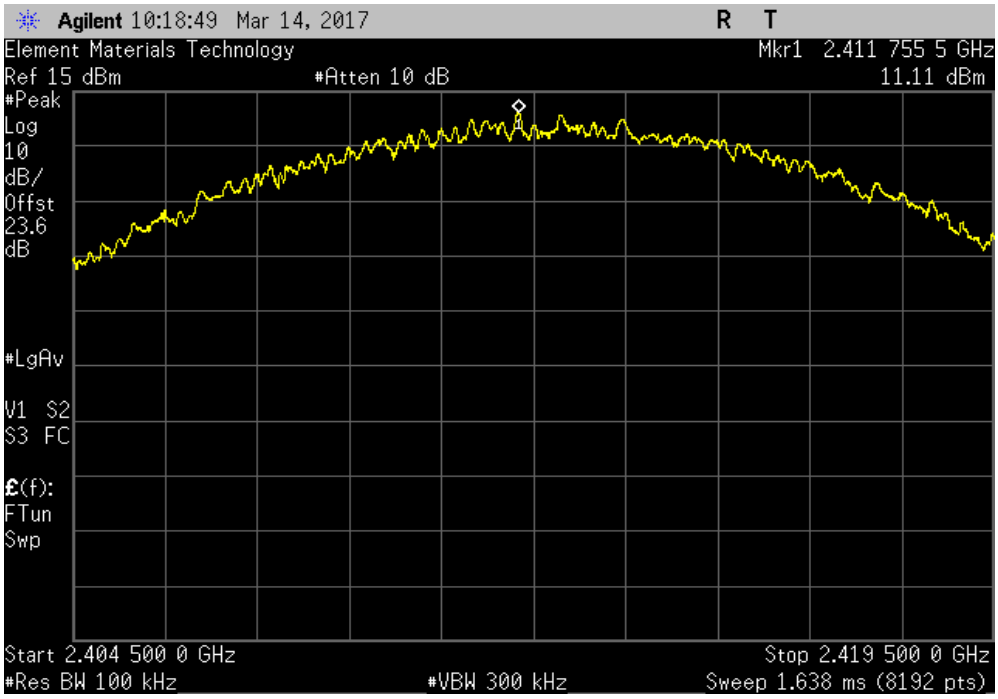
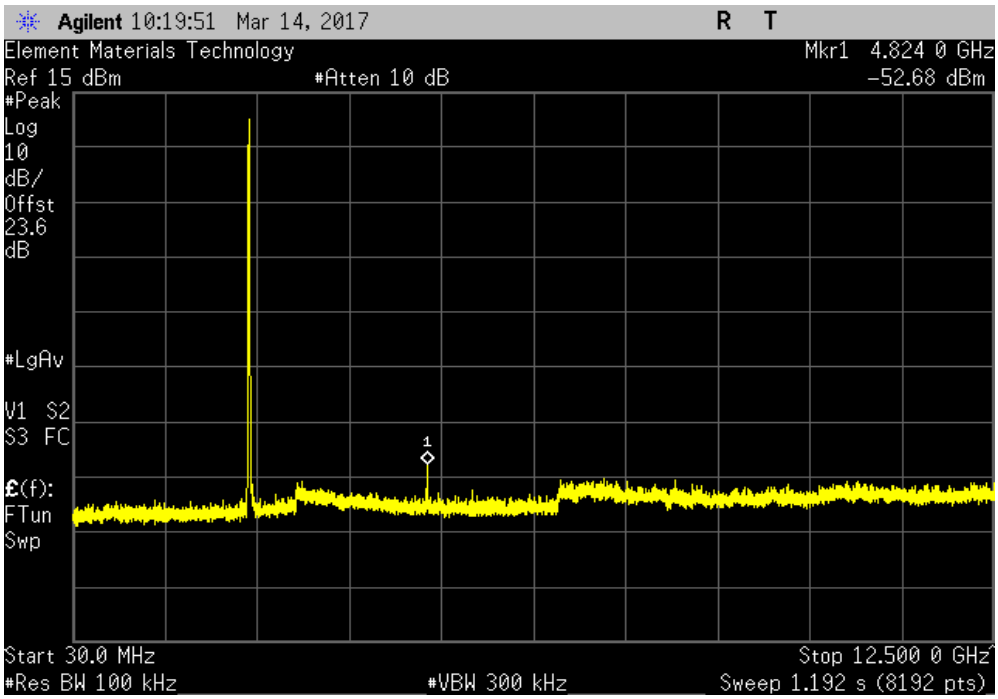
2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-59.71	-30	Pass



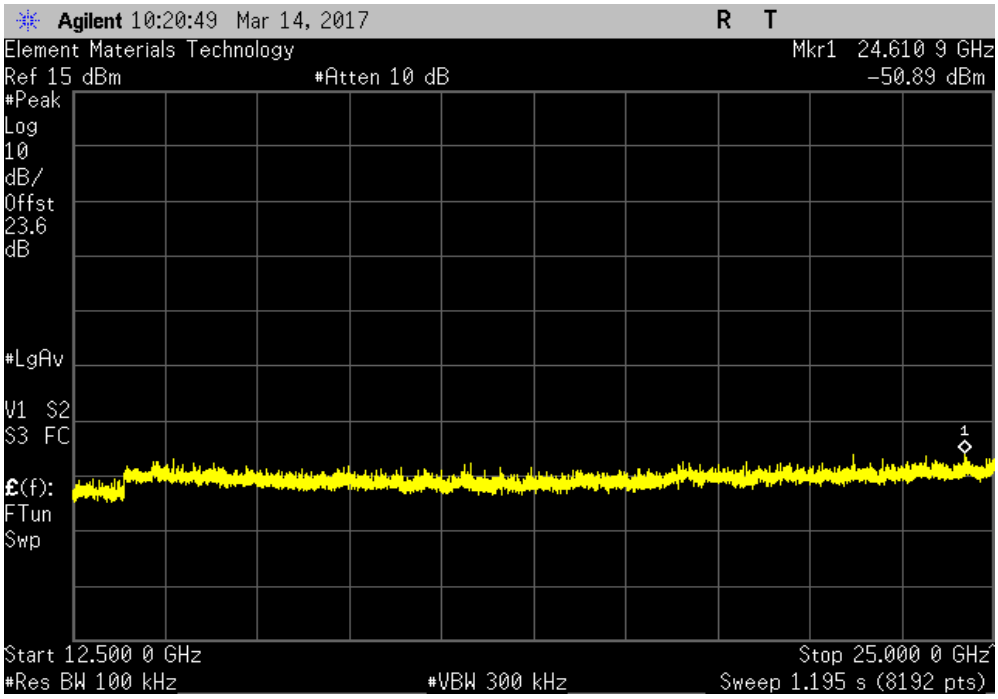
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-63.79	-30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-62.00	-30	Pass



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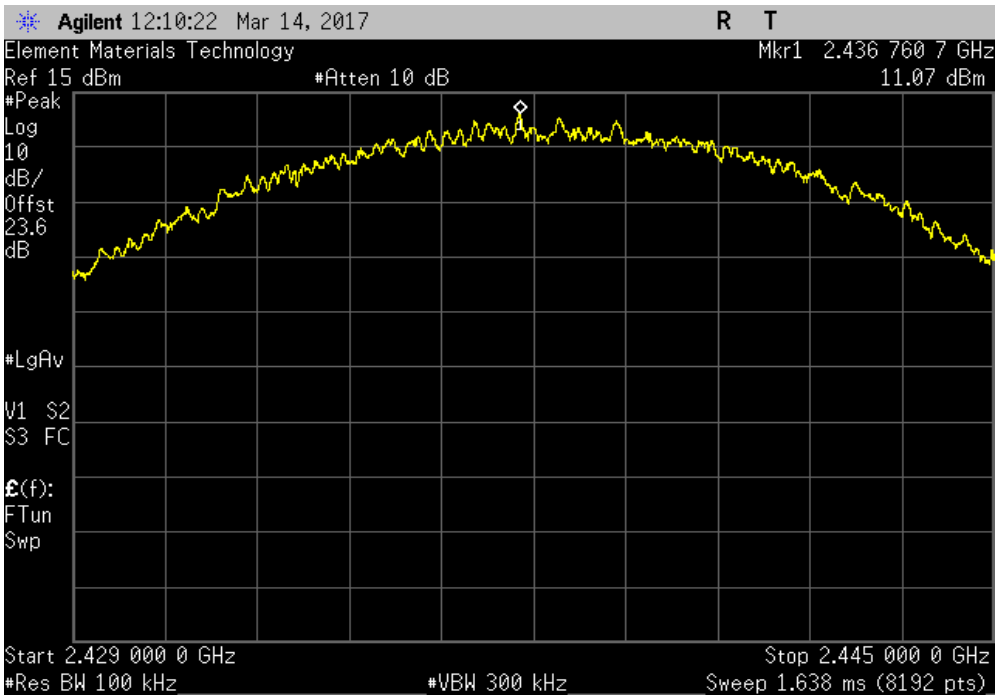
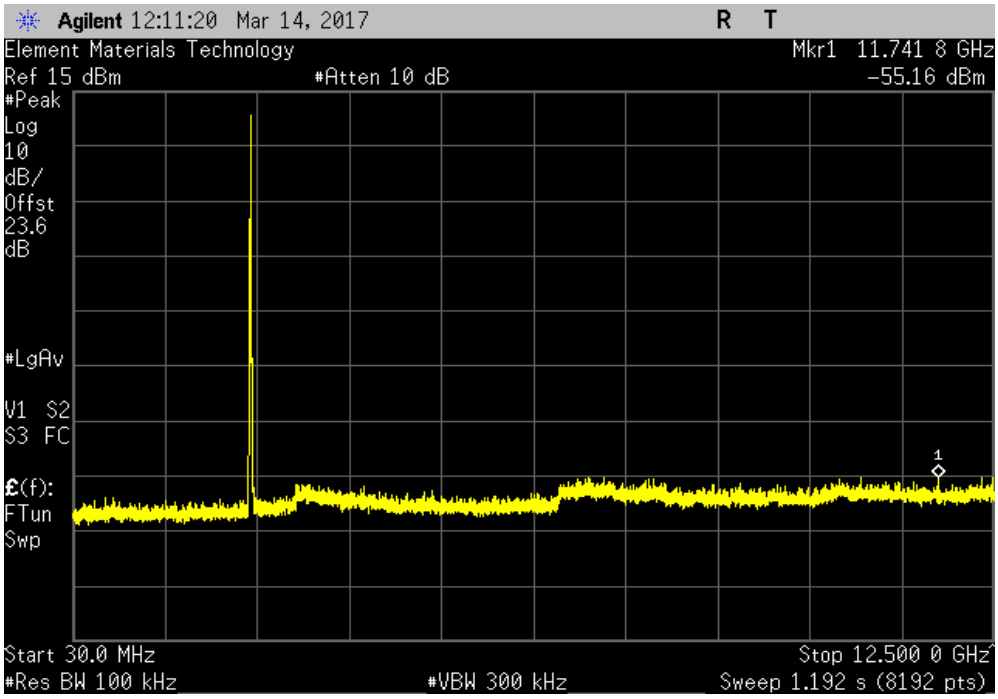
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz			-66.23	-30	Pass



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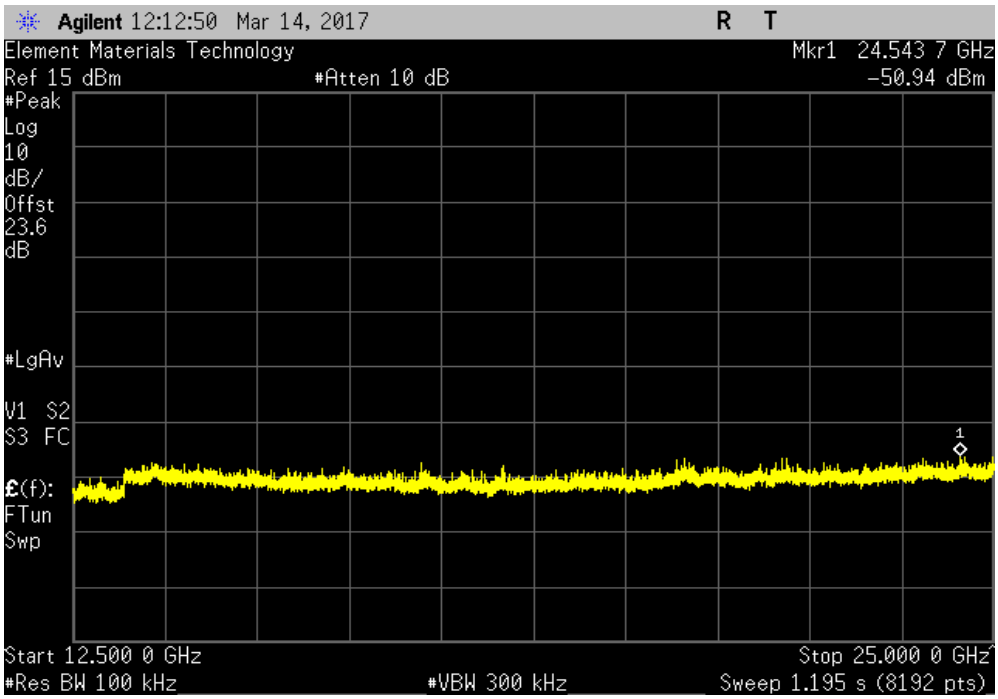
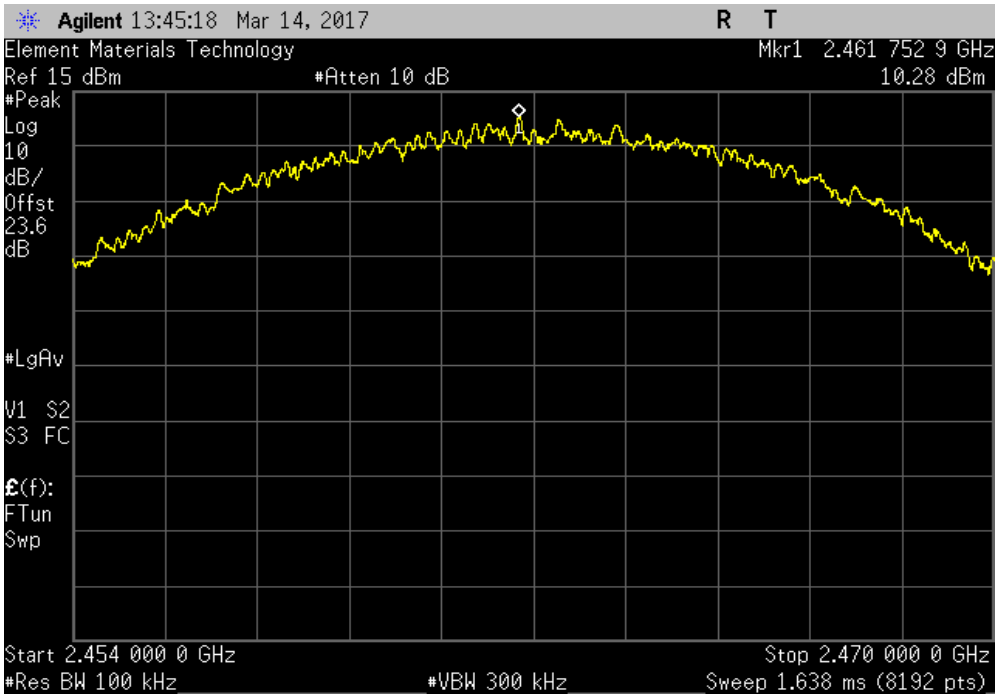
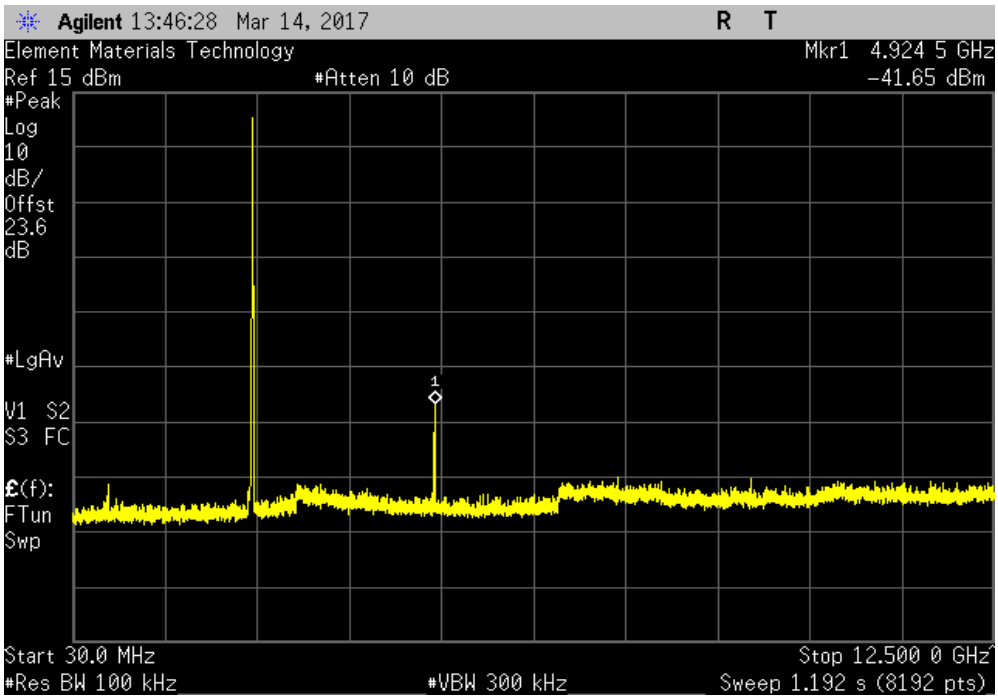
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-62.01	-30	Pass



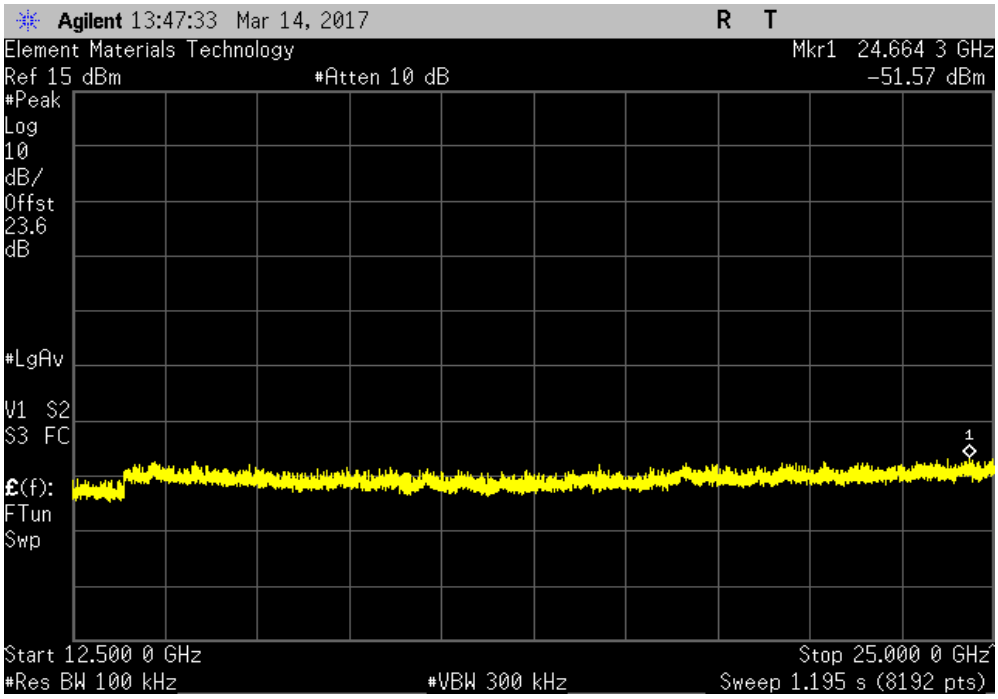
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



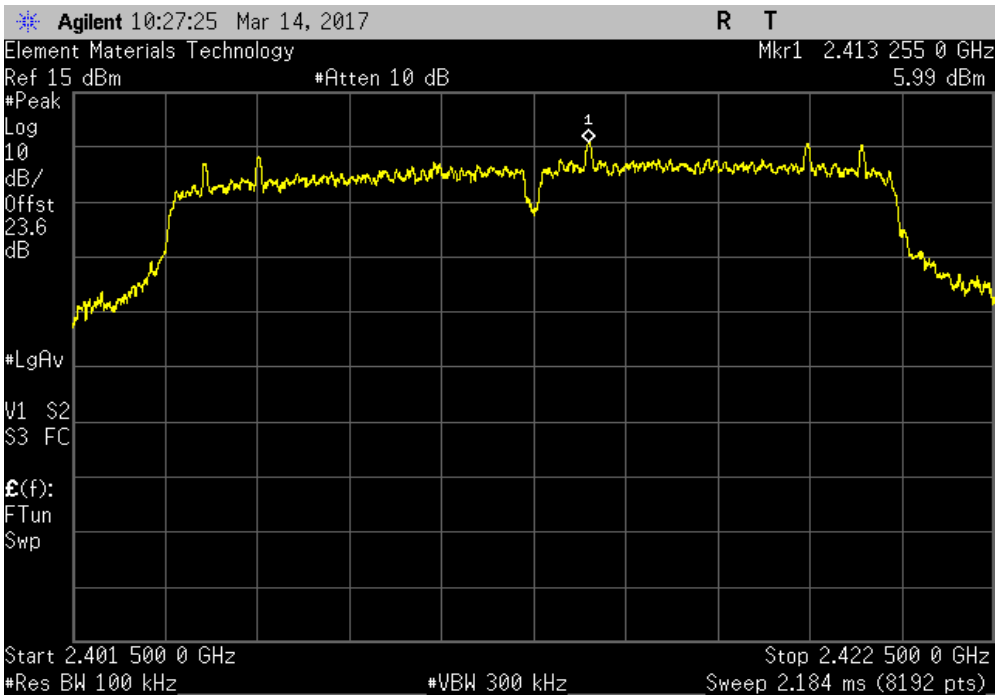
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-51.93	-30	Pass



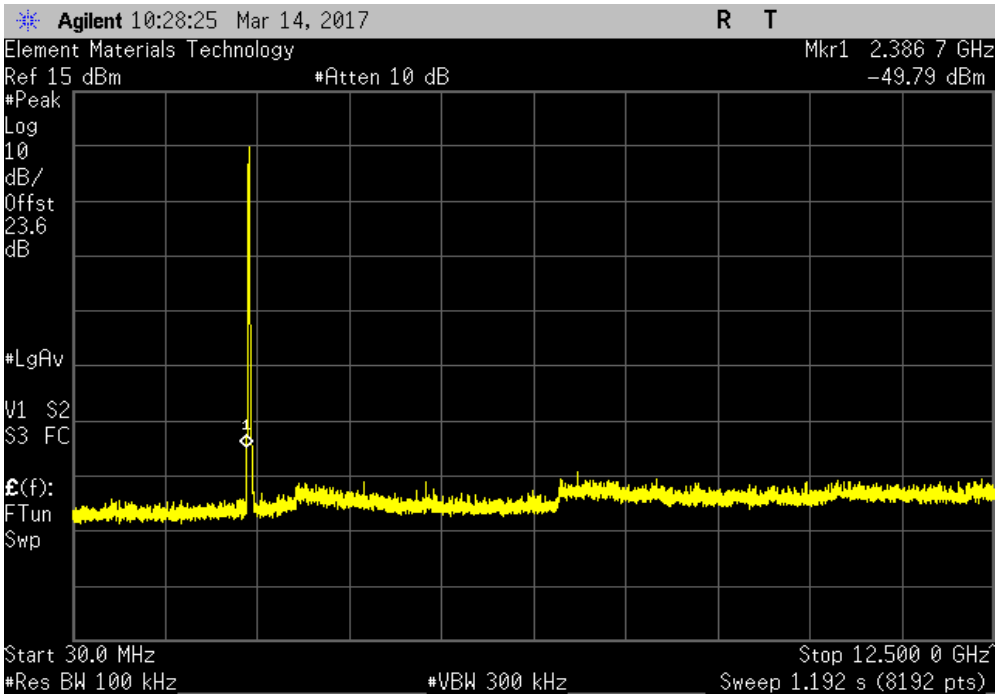
2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-61.85	-30	Pass



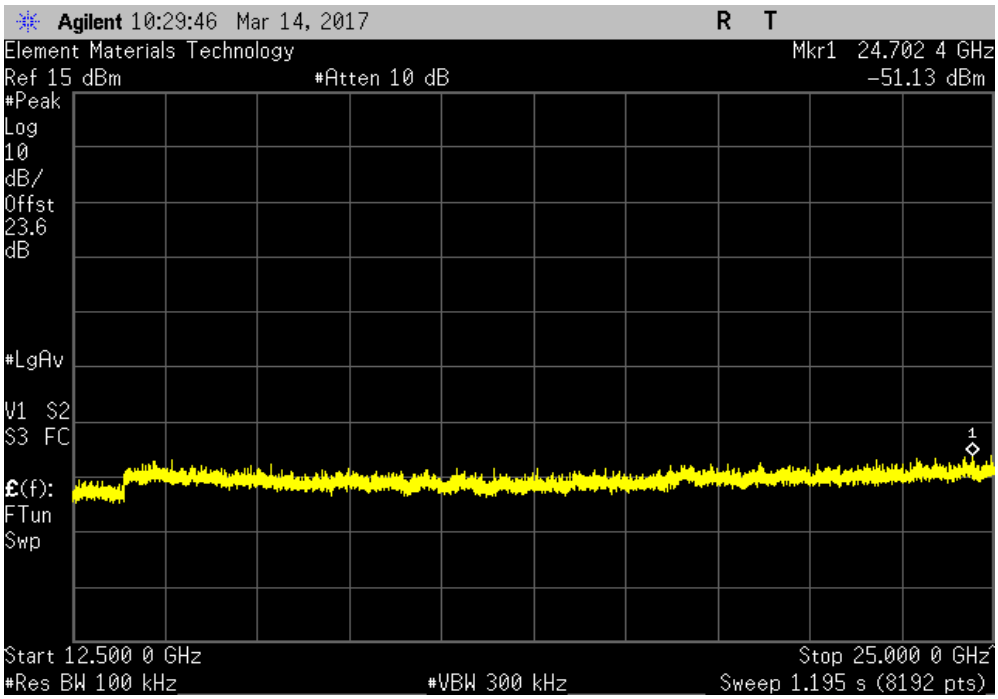
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



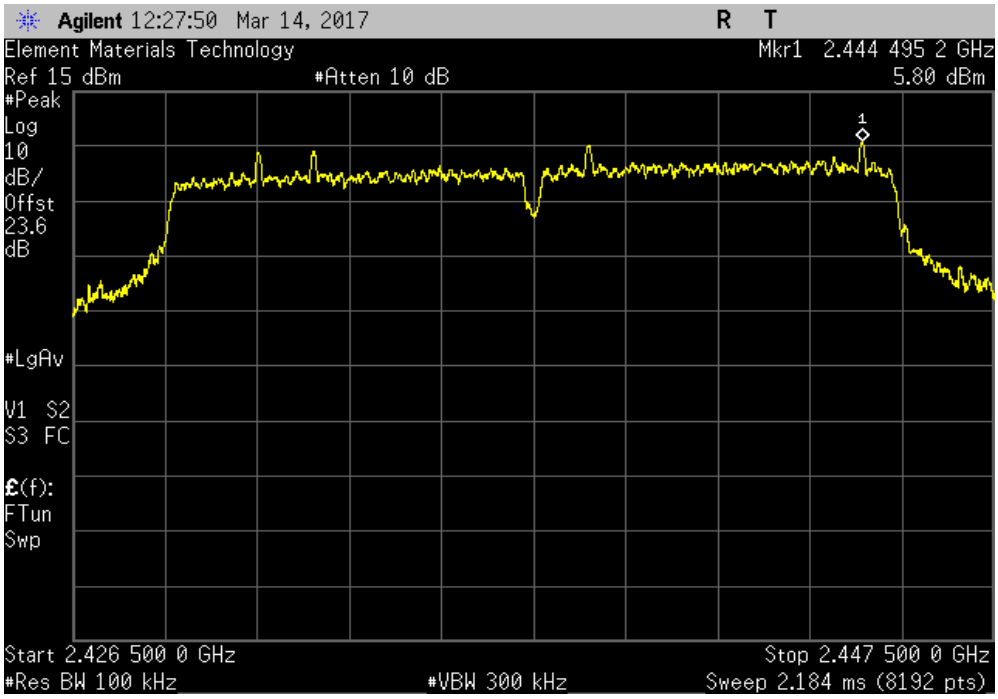
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz					
Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz			-55.78	-30	Pass



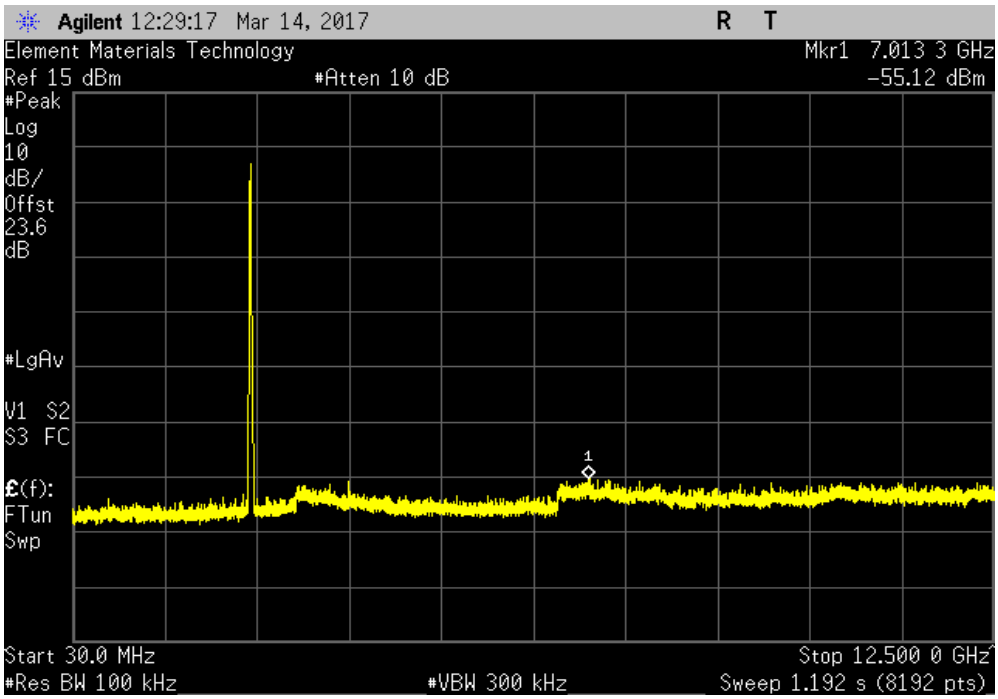
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-57.12	-30	Pass



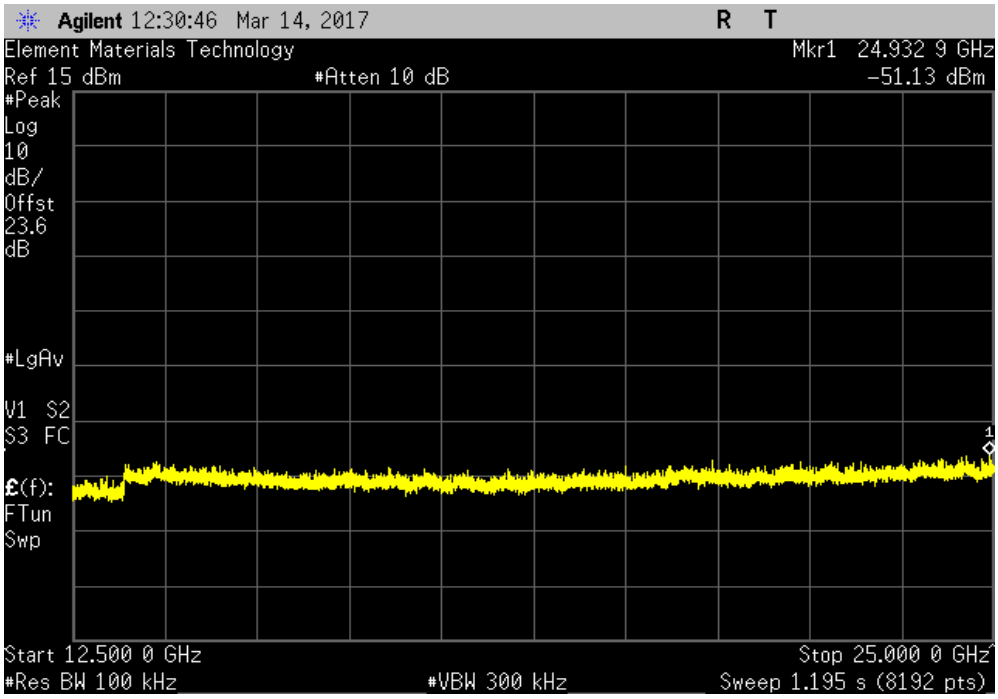
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



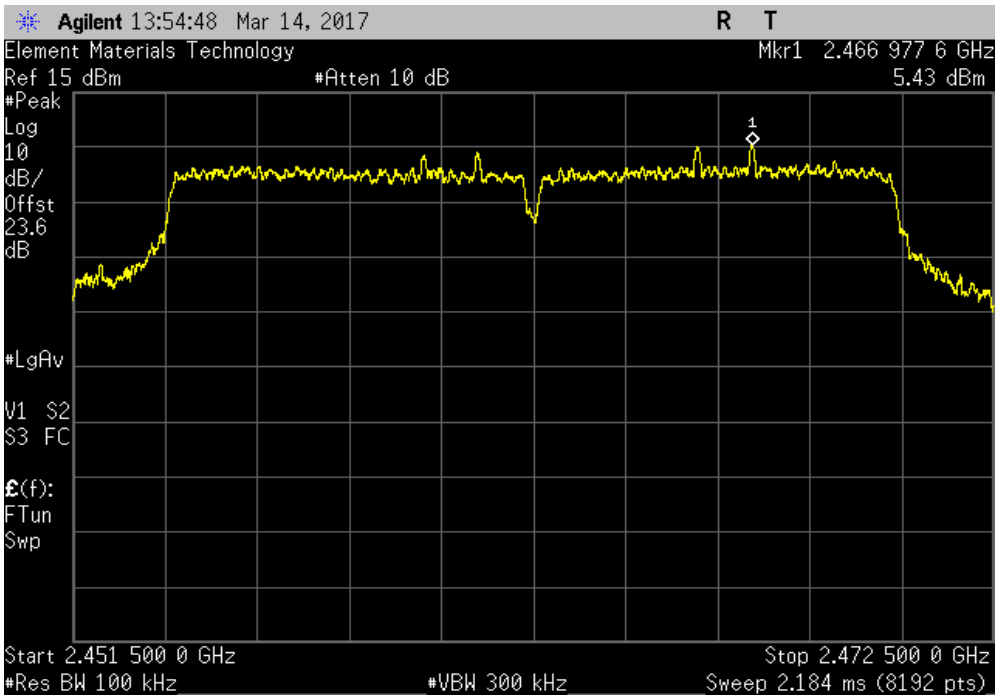
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-60.92	-30	Pass



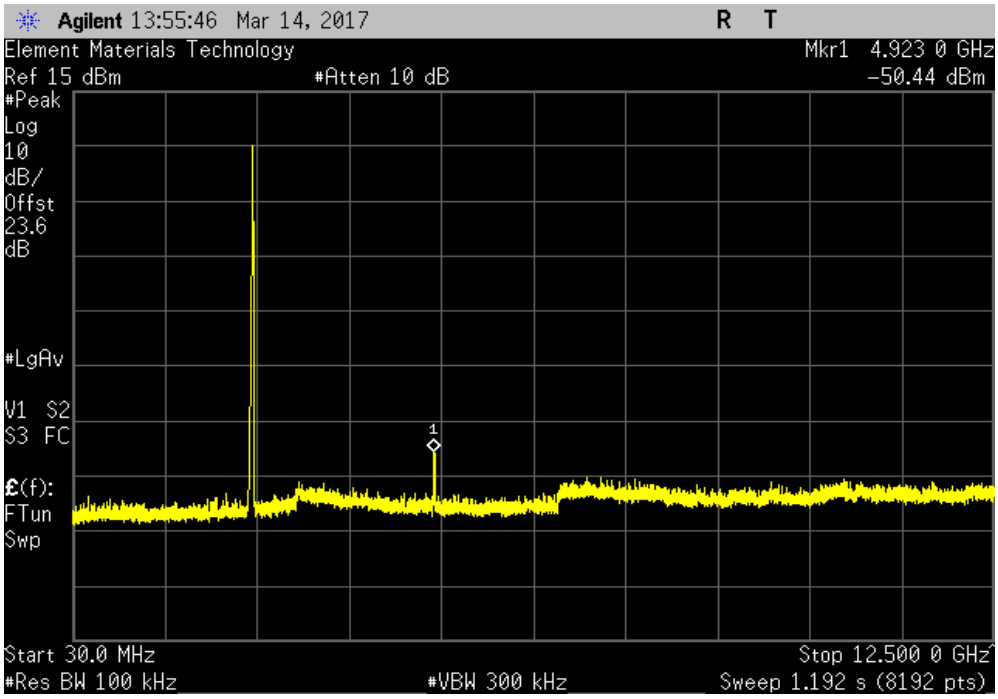
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-56.94	-30	Pass



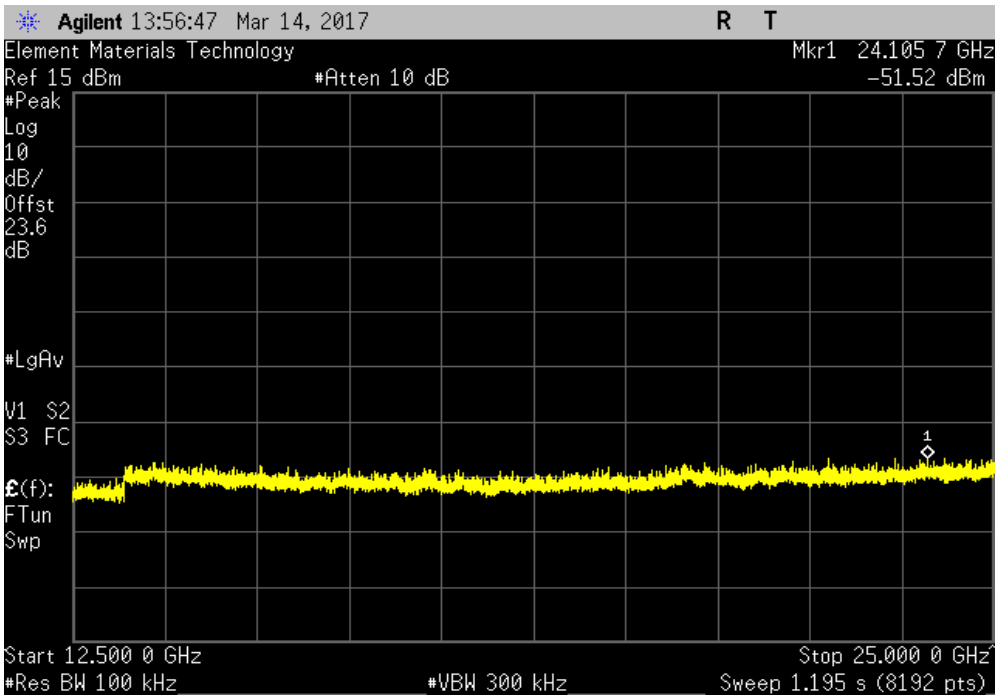
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



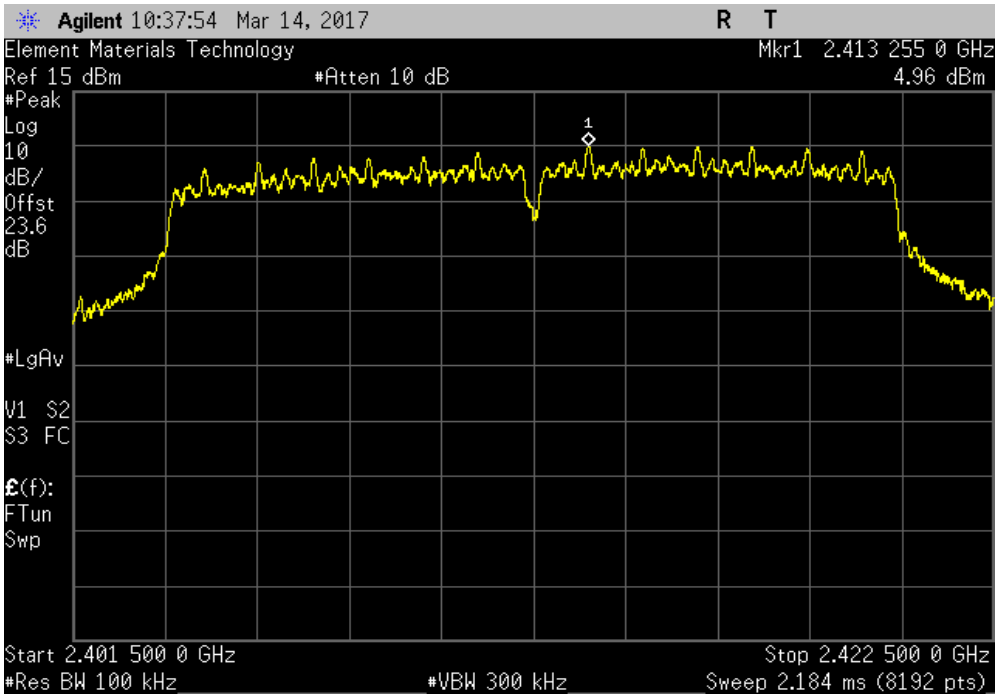
2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz					
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-55.87	-30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-56.95	-30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



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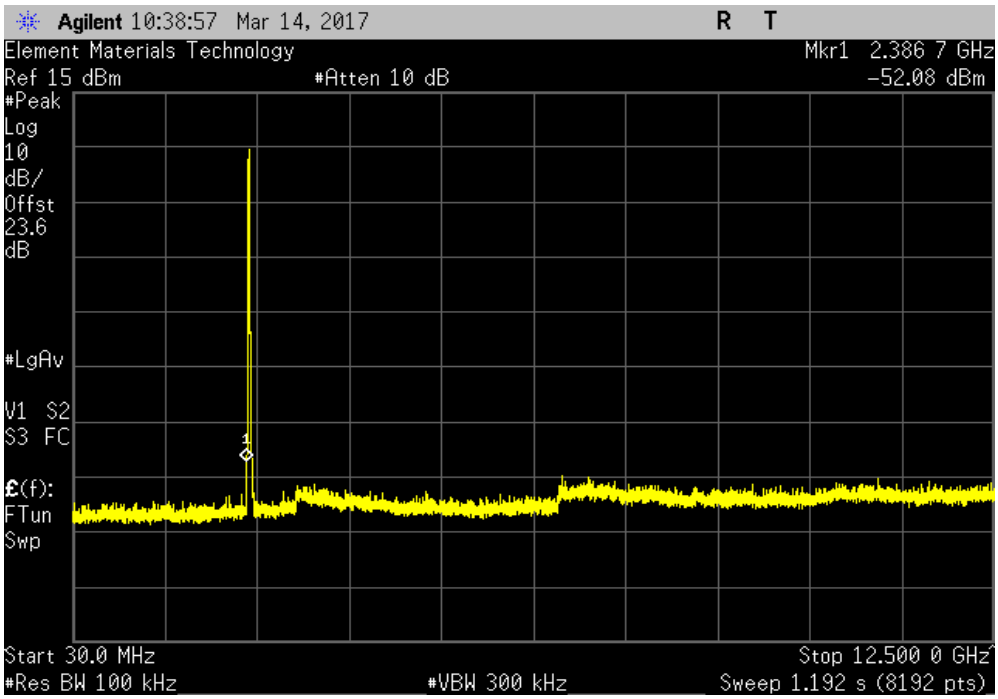
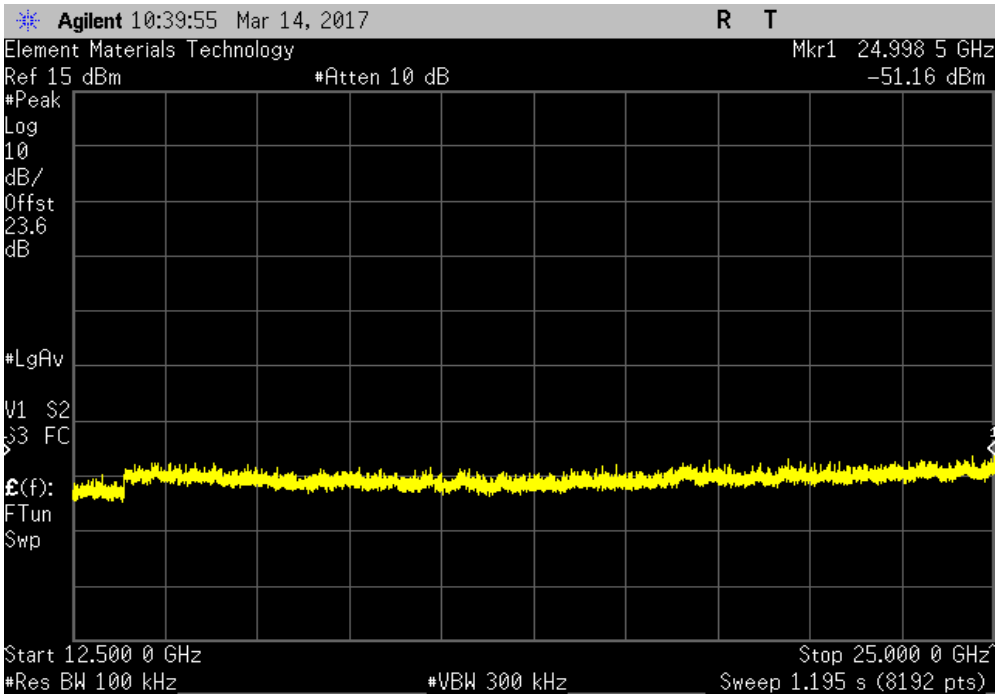
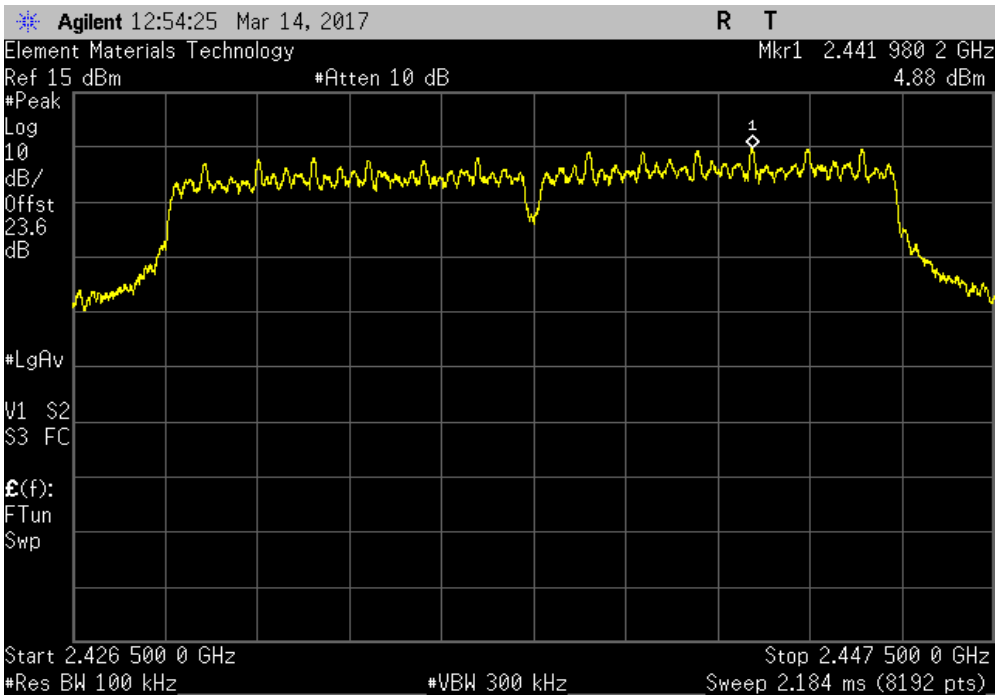
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-57.04	-30	Pass



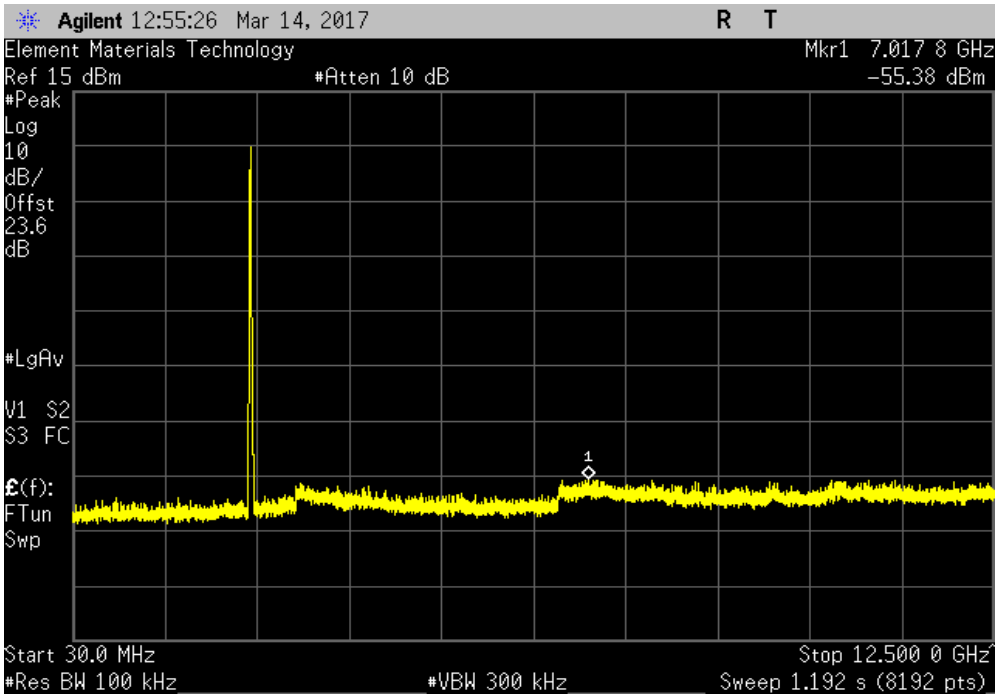
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-56.12	-30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz			-60.26	-30	Pass



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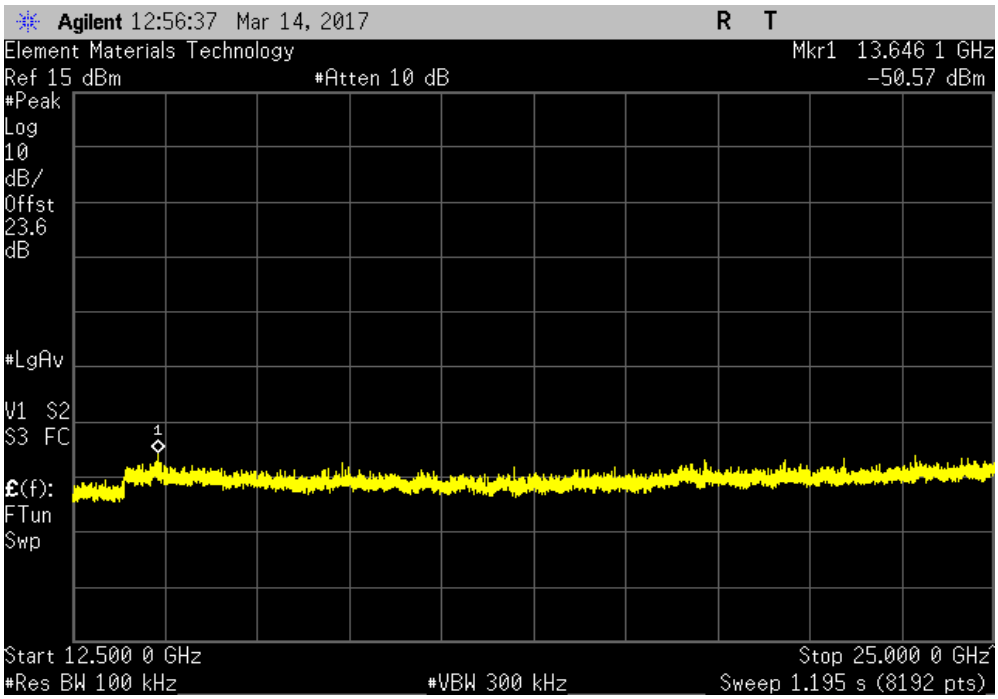
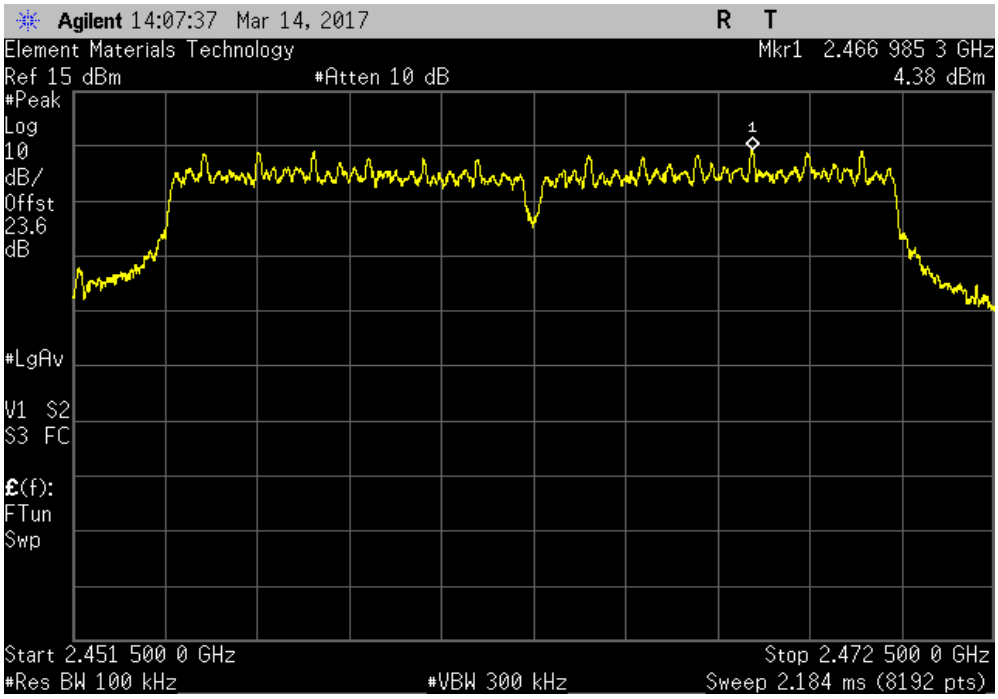
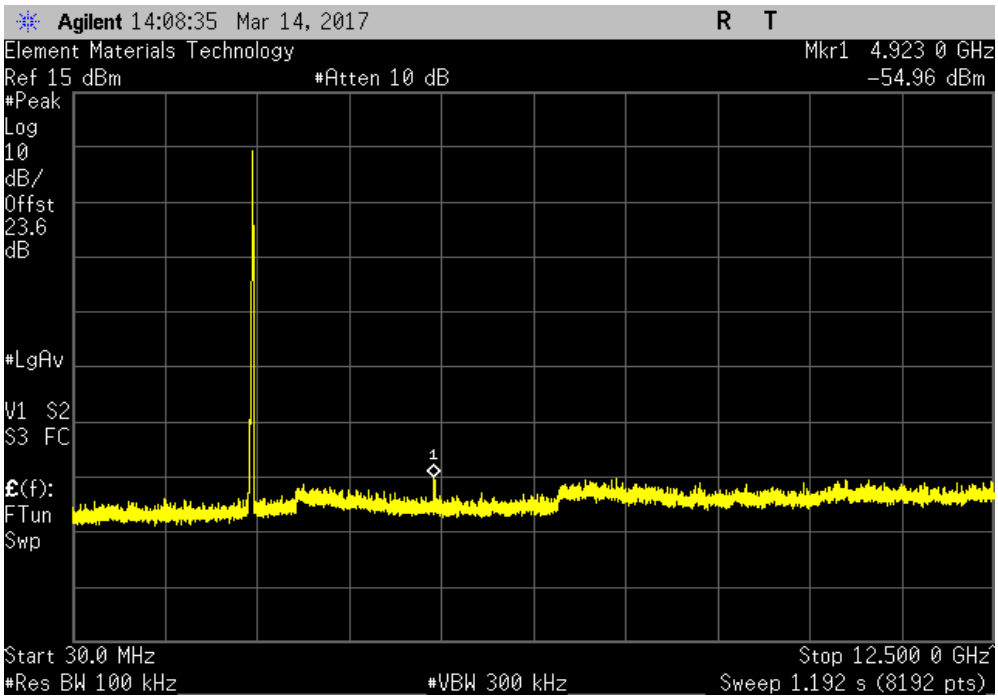
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-55.45	-30	Pass



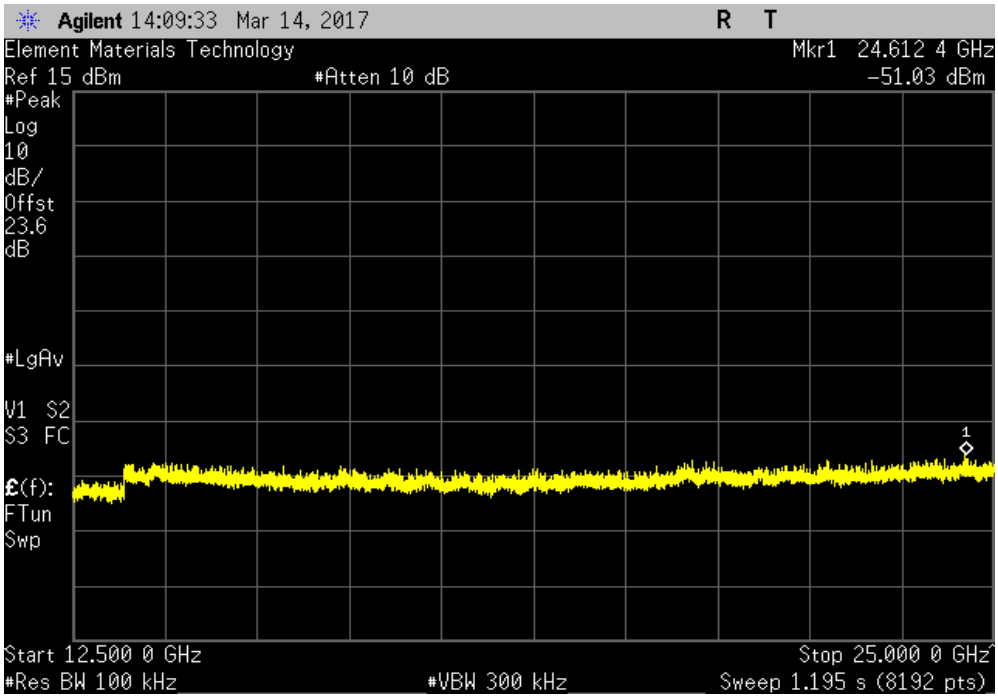
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



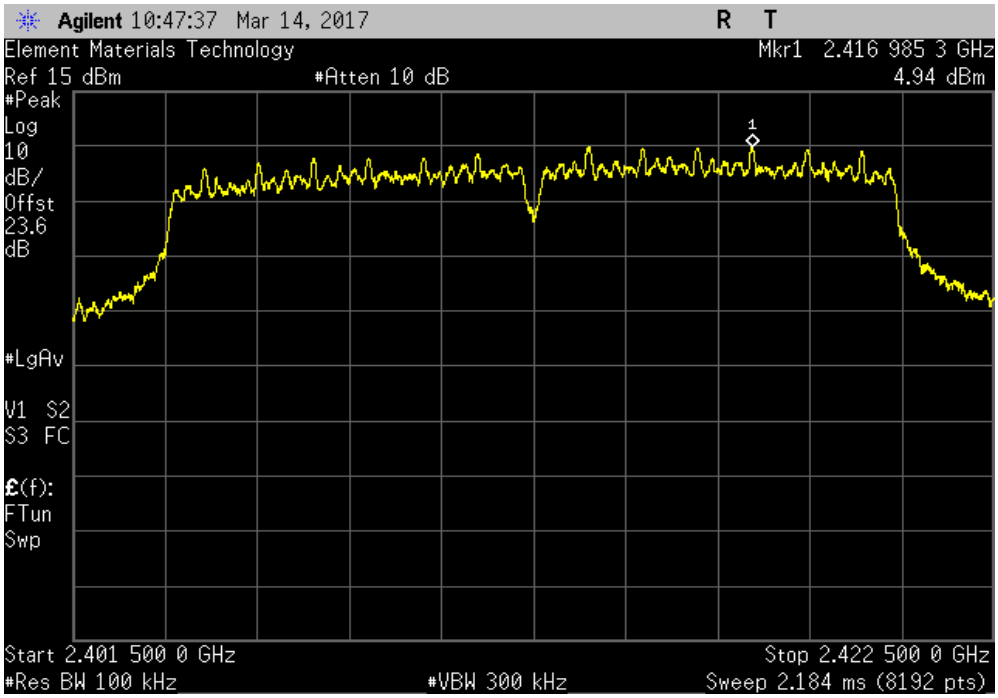
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-59.34	-30	Pass



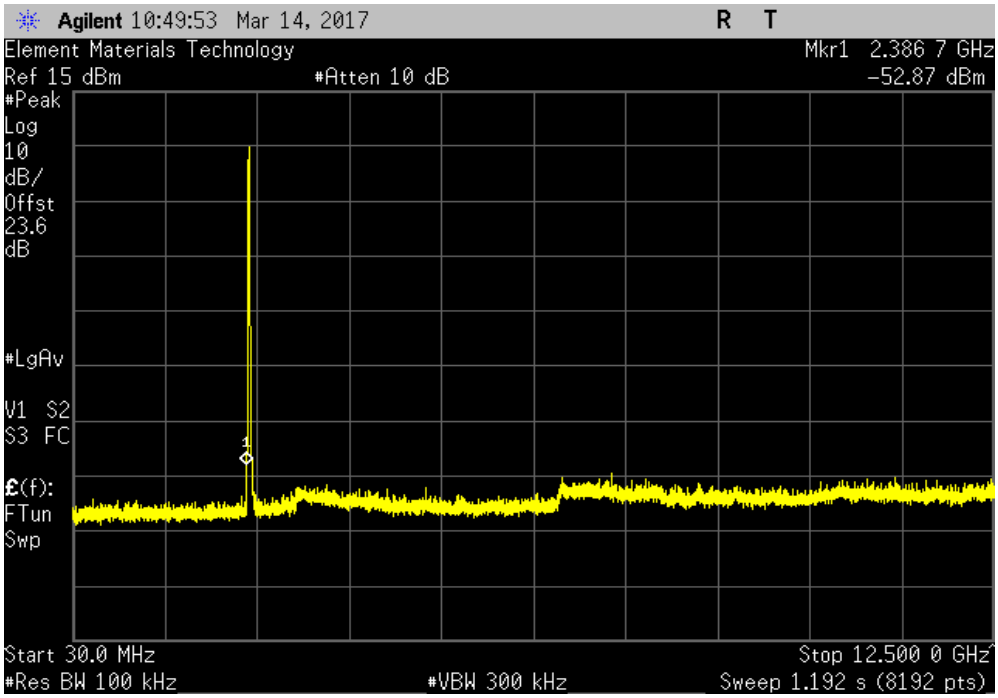
2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-55.42	-30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz					
Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz			-57.81	-30	Pass



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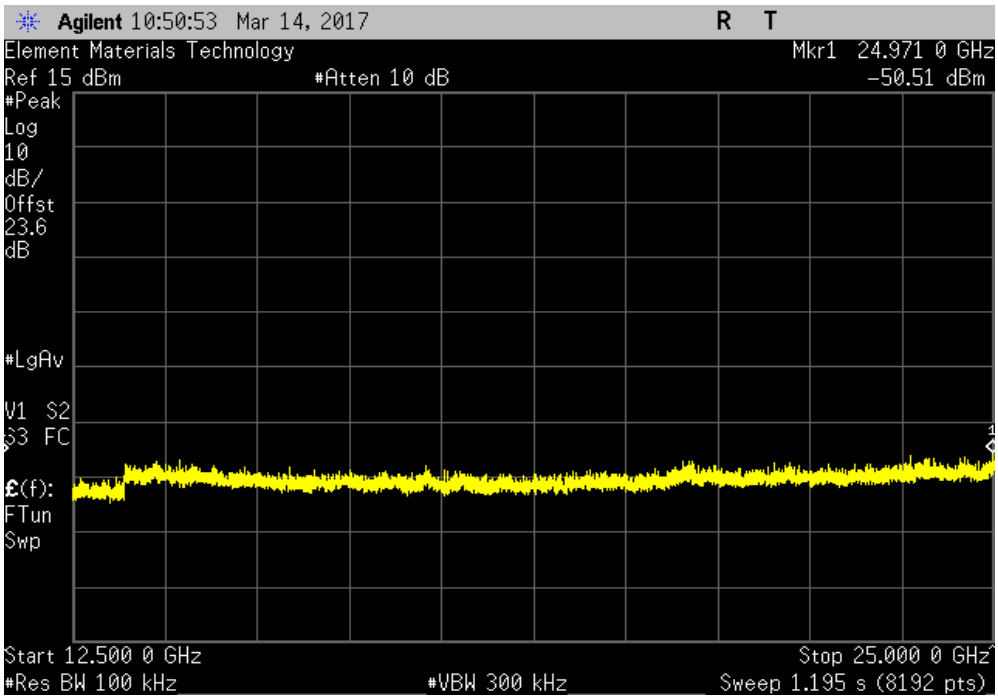
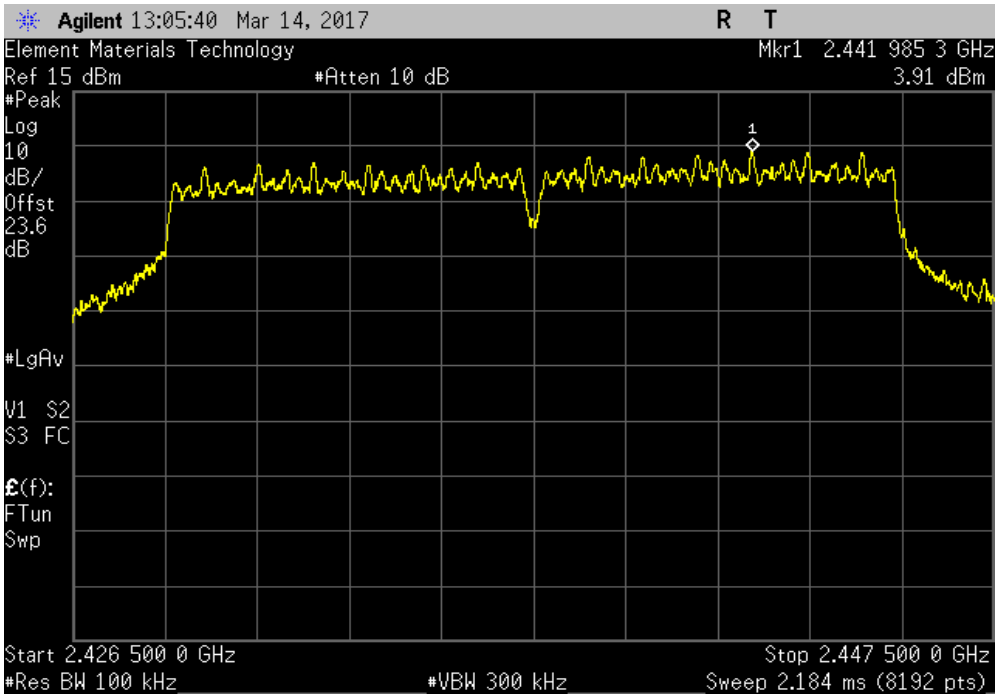
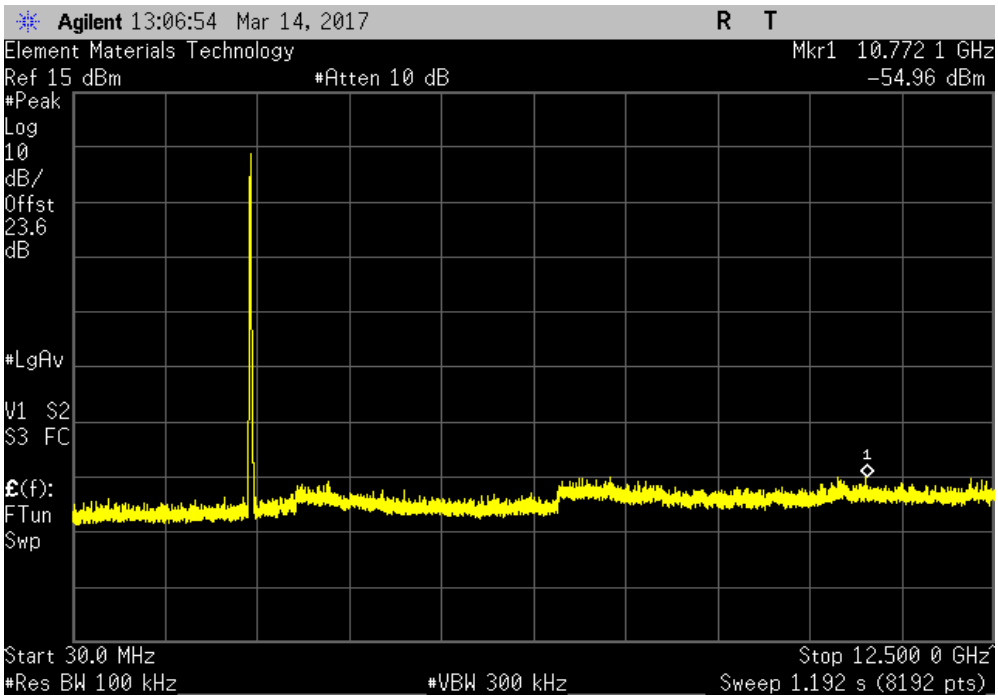
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz				
Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz		-55.45	-30	Pass



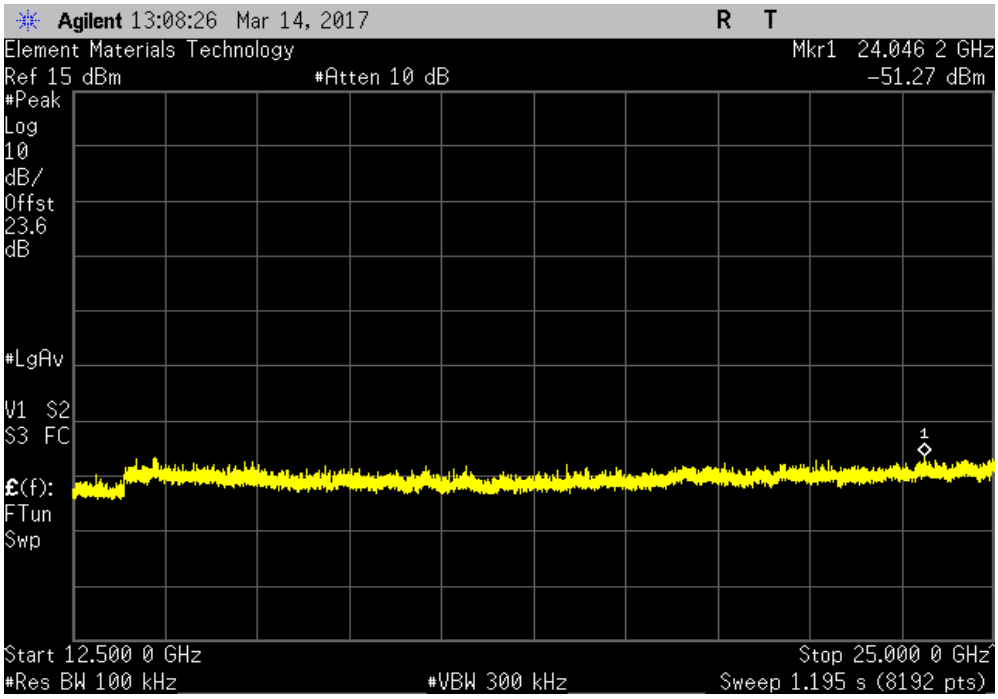
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



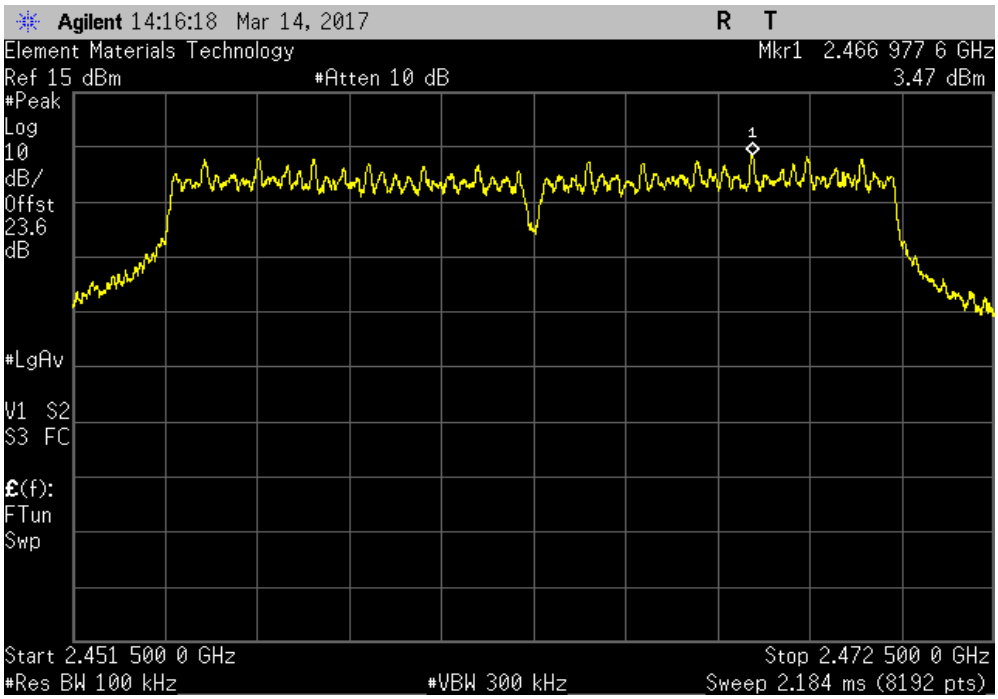
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-58.88	-30	Pass



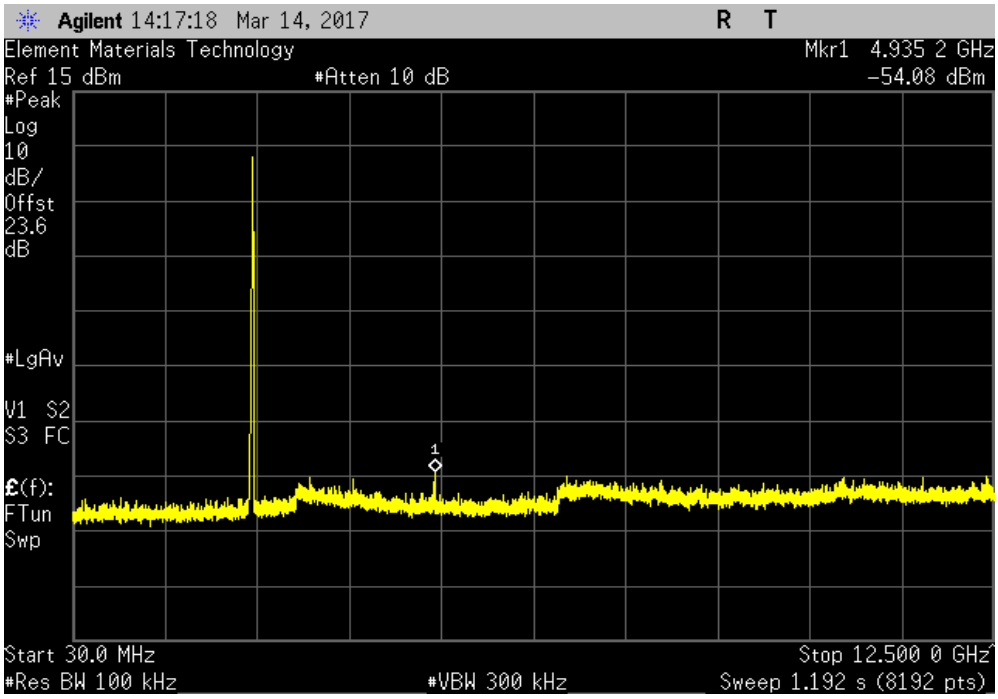
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-55.19	-30	Pass



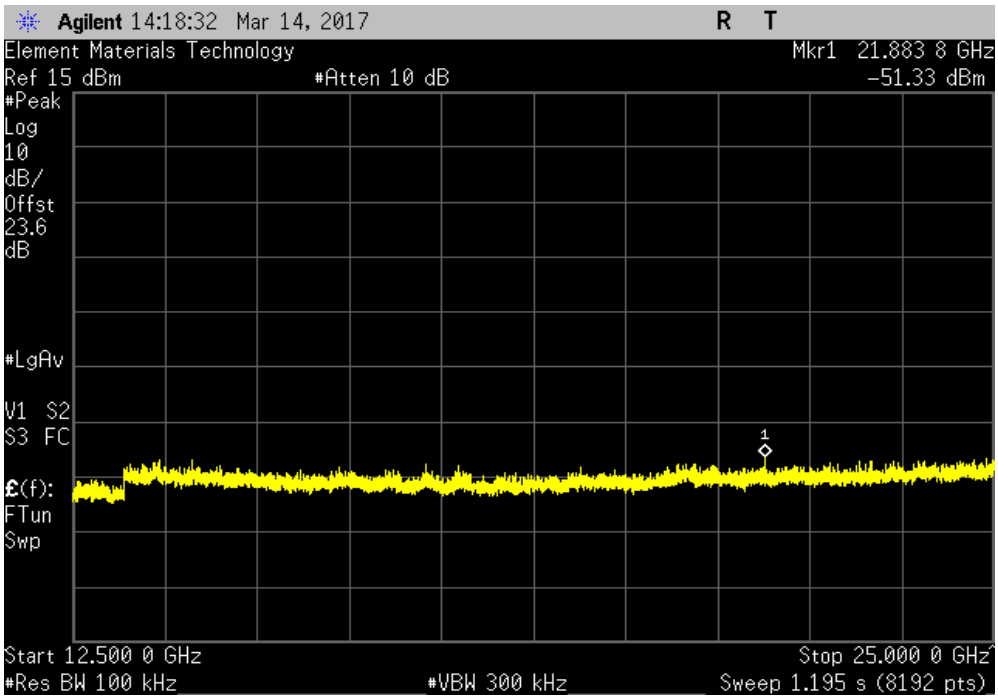
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



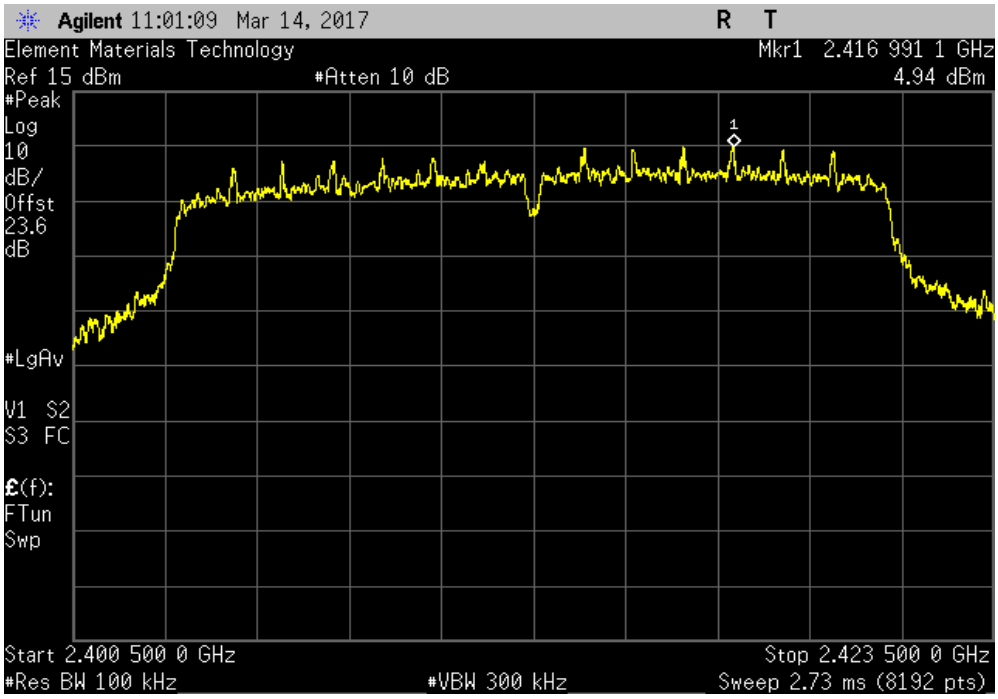
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz					
Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz			-57.55	-30	Pass



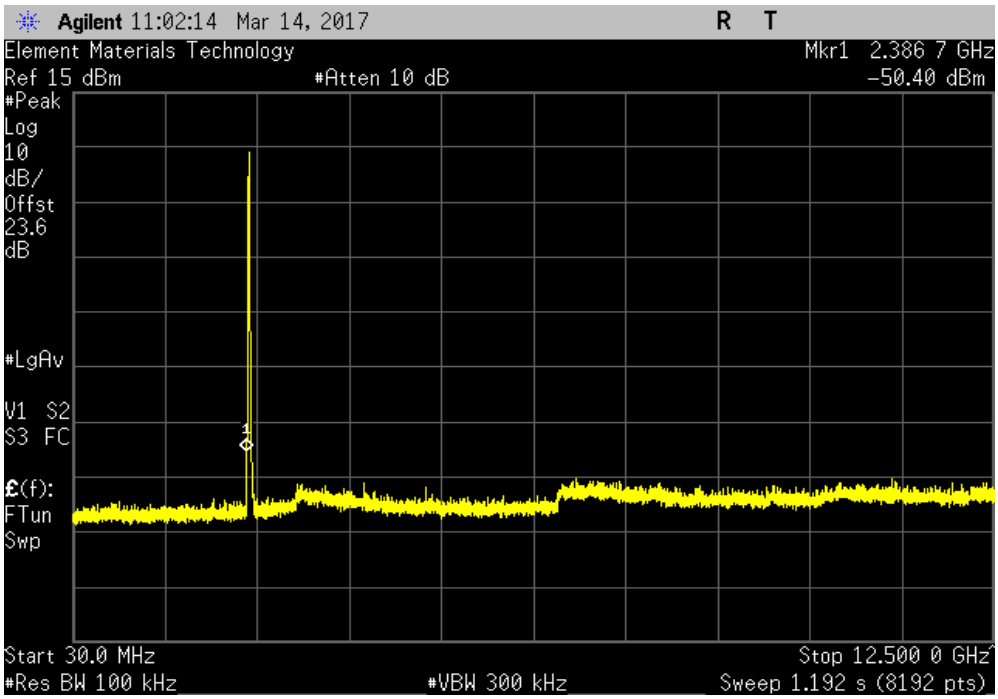
2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-54.80	-30	Pass



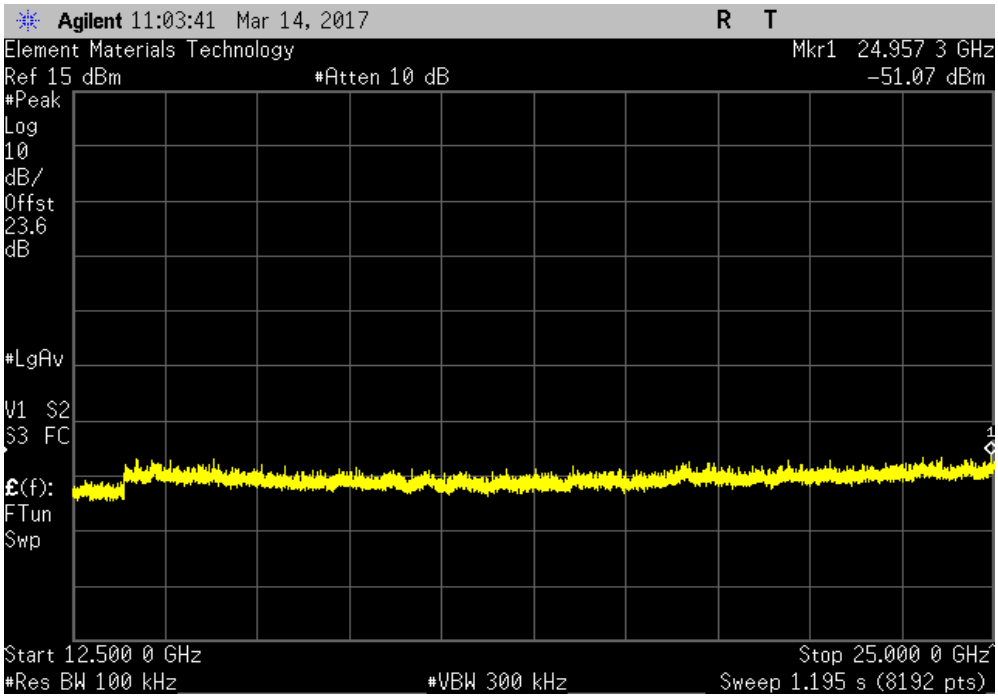
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



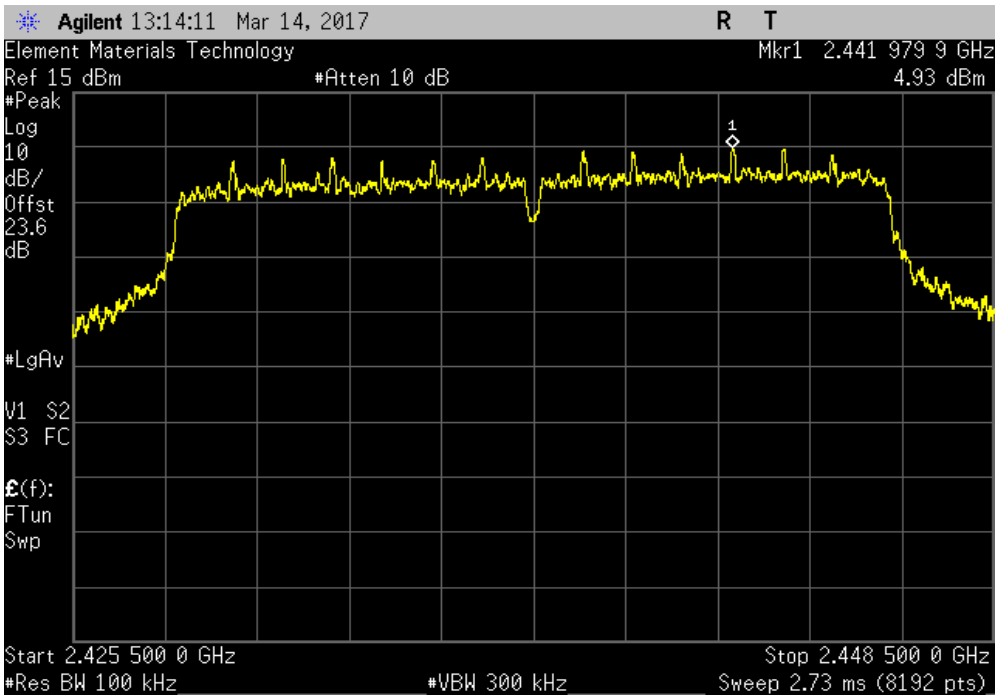
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-55.34	-30	Pass



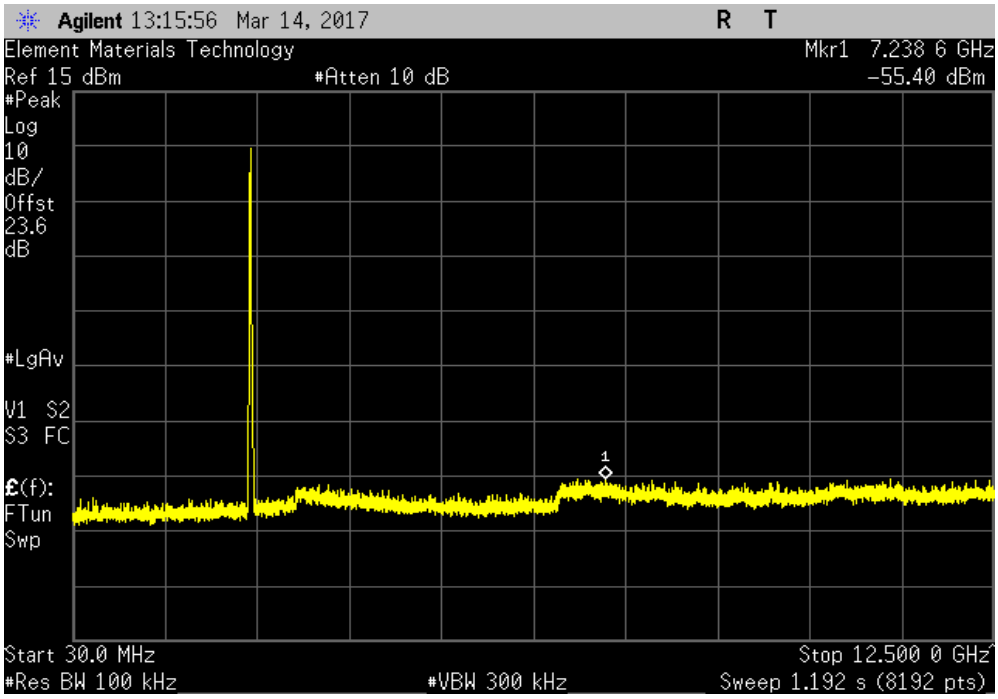
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-56.01	-30	Pass



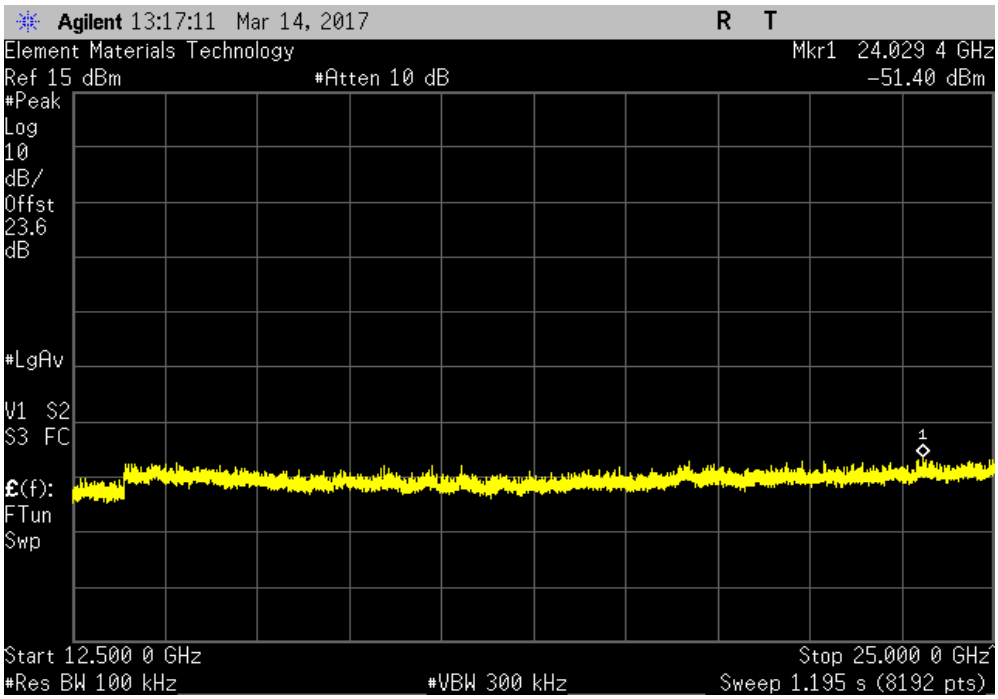
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



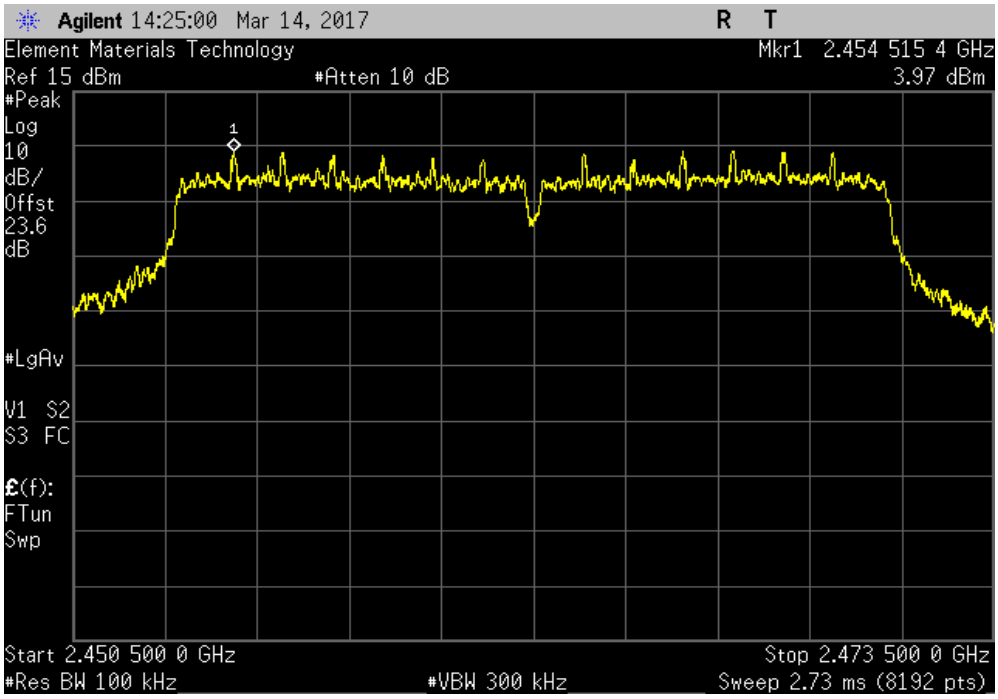
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz					
Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz			-60.33	-30	Pass



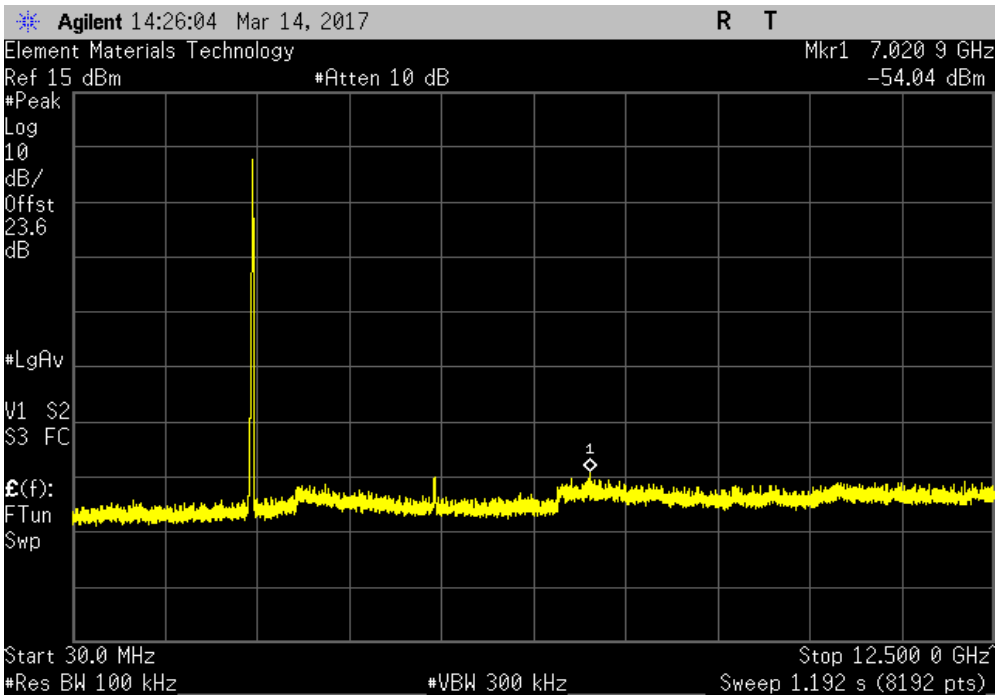
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-56.33	-30	Pass



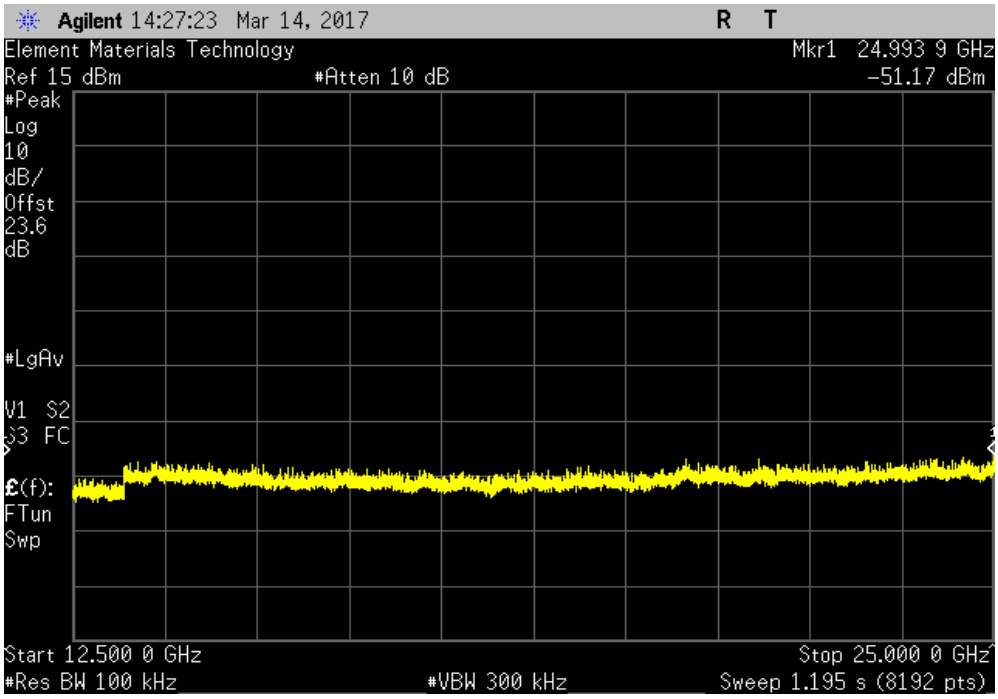
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



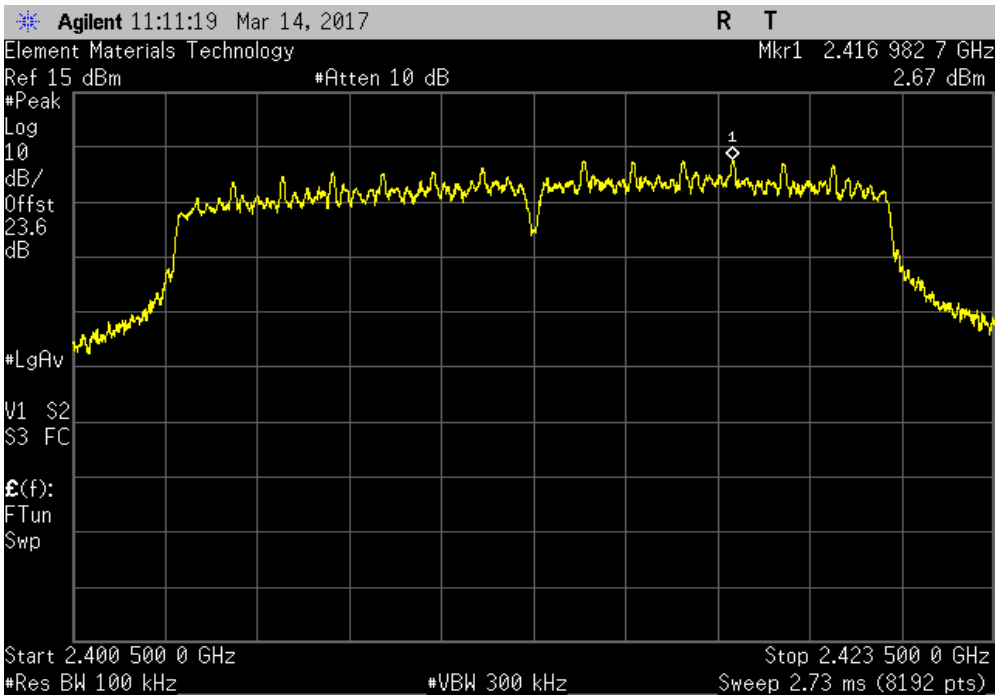
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-58.01	-30	Pass



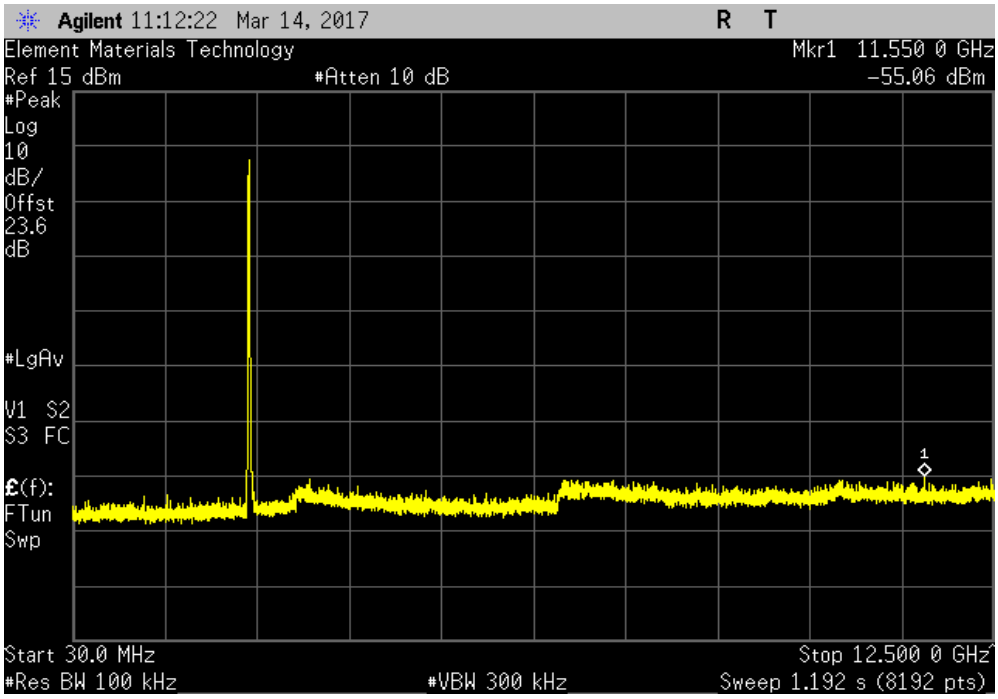
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-55.14	-30	Pass



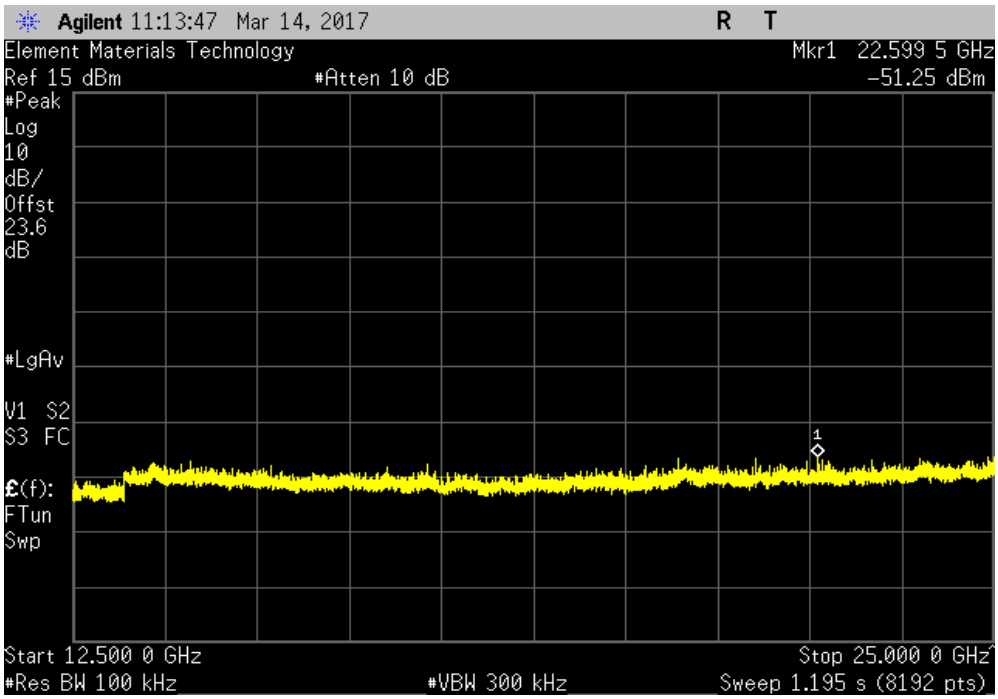
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



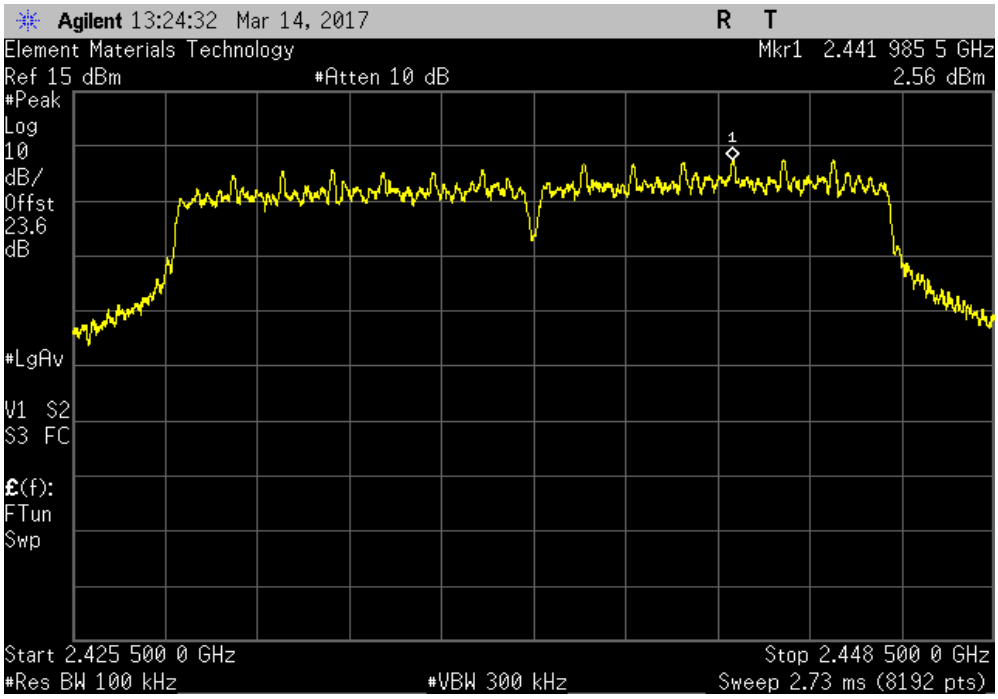
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz					
Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz			-57.73	-30	Pass



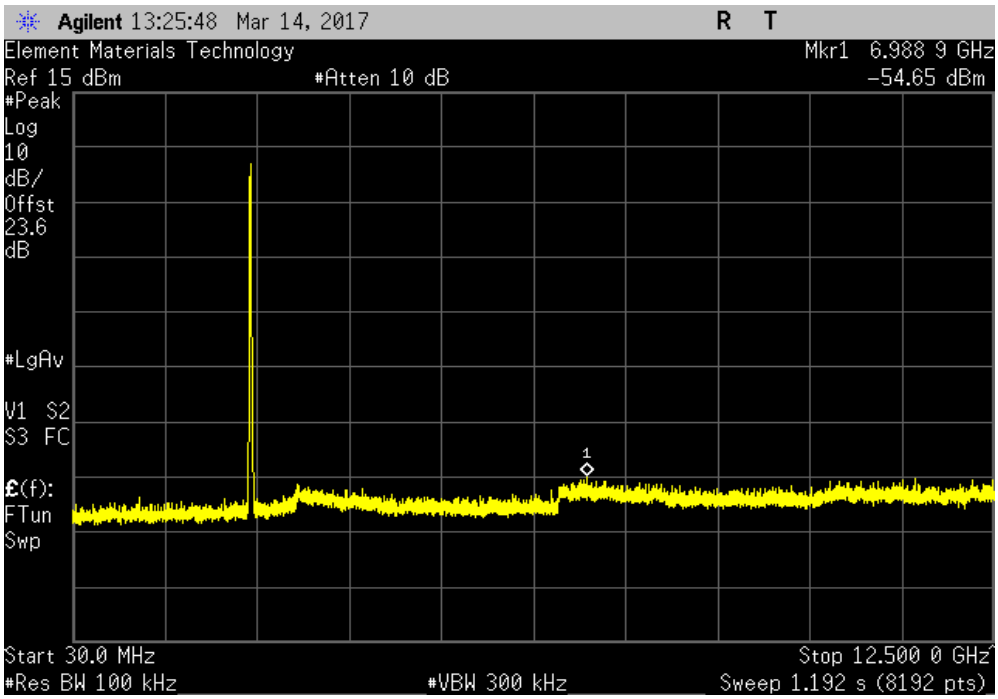
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-53.92	-30	Pass



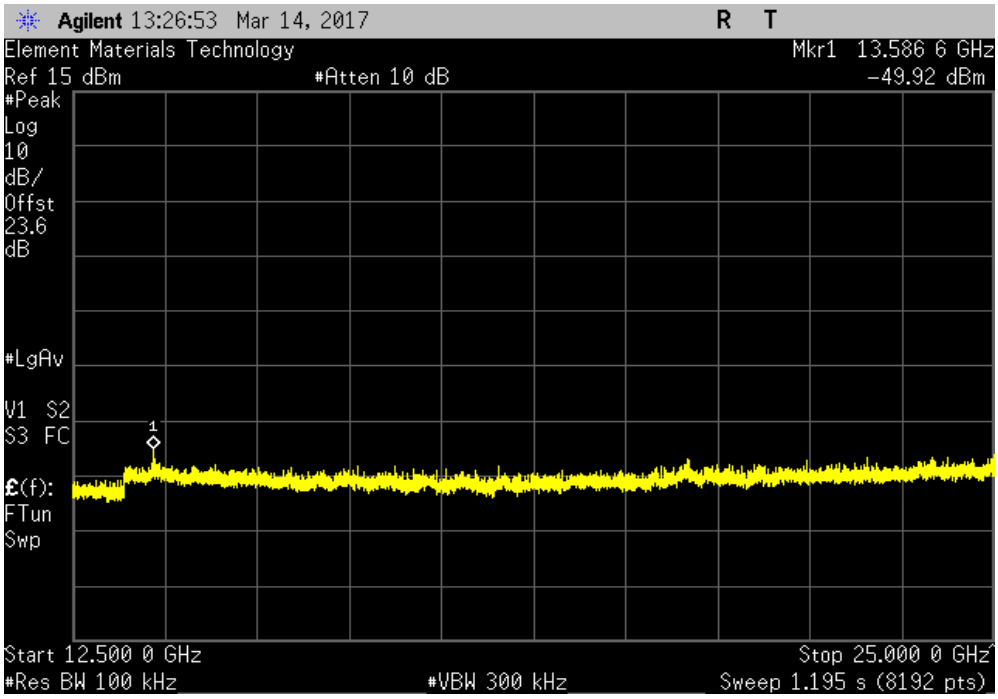
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz						
	Frequency Range			**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
	Fundamental			N/A	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz		-57.21	-30	Pass



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-52.48	-30	Pass



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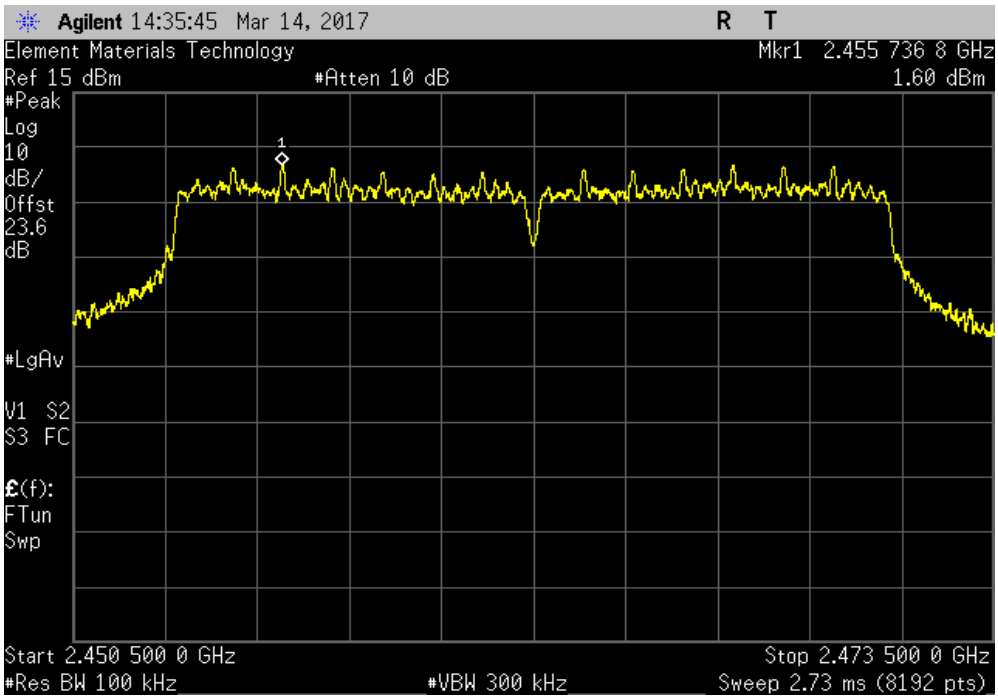
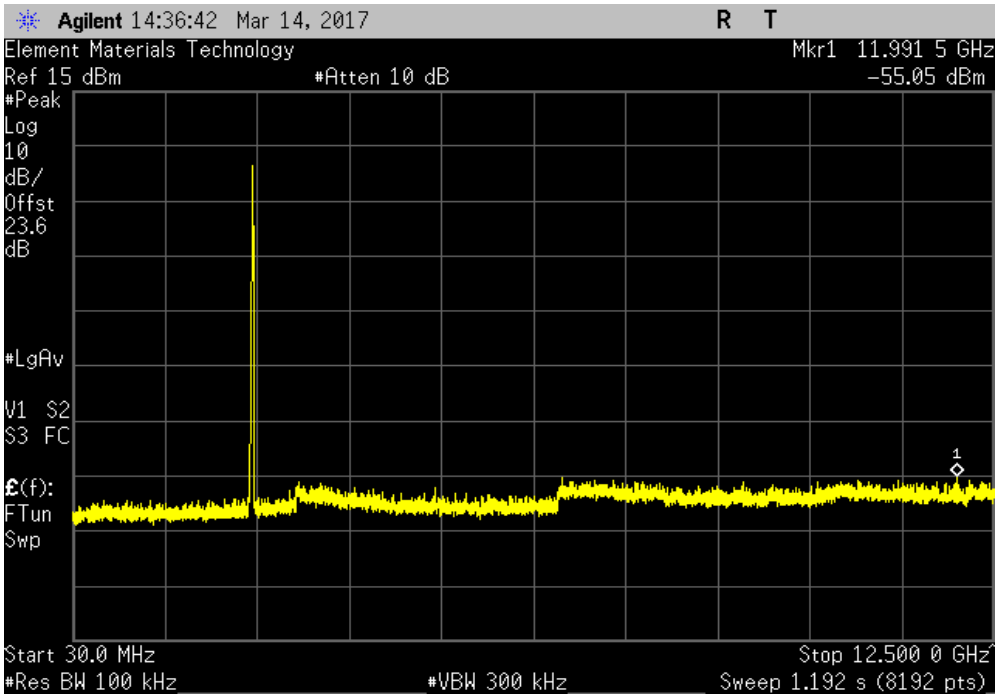
2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz						
	Frequency Range			Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental			N/A	N/A	N/A



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz					
	Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result
	30 MHz - 12.5 GHz		-56.65	-30	Pass



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2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz				
Frequency Range		**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz		-52.82	-30	Pass