POWER SPECTRAL DENSITY - CHAIN 0

XMit 2022.02.07.0

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	Keysight	N5182B	TFU	2020-11-20	2022-11-20
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2021-12-05	2022-12-05
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Attenuator	S.M. Electronics	SA26B-20	AUY	2022-03-15	2023-03-15
Block - DC	Fairview Microwave	SD3379	AMW	2022-03-14	2023-03-14
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2022-01-26	2023-01-26

TEST DESCRIPTION

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

The power spectral density was measured using the channels and modes as called out in the following data sheets.

The method AVGPSD-2 in clause 11.10.5 of ANSI C63.10:2013 was used to make the measurement. This method uses trace averaging and RMS detection across the ON and OFF times of the transmission. The analyzer was configured to the following settings:

Span = at least 1.5 * OBW
RBW = 100 kHz
VBW = 300 kHz
Detector = RMS
Sweep = 601 mS
Points = 601

The peak marker function was used to determine the maximum amplitude level. An additional [10*log(1 / D)], where D is the duty cycle was added to the peak marker to compute the average PSD during the actual transmission time. The resultant value was corrected to the reference bandwidth of 3 kHz using a correction factor of -15.2 dB, and compared to the limit.

dBm/100kHz To dBm/3kHz = 10*log(Ref. RBW / Meas. Bandwidth) = 10*log(3 kHz / 100 kHz) = -15.2 dB

POWER SPECTRAL DENSITY - CHAIN 0

element

TbtTx 2022.06.03.0 XMit 2022.02.07.0

EUT:	**U8 Hawk**			**Work Order:**	**KYME0068**
Serial Number:	**192F-85E2-1761**			**Date:**	**6-Oct-22**
Customer:	**Kymeta Corp.**			**Temperature:**	**22.3 °C**
Attendees:	**Dean Busch**			**Humidity:**	**43.9% RH**
Project:	**None**			**Barometric Pres.:**	**1025 mbar**
Tested by:	**Jeff Alcoke**	**Power:**	**12 VDC**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	**Test Method**
FCC 15.247:2022	ANSI C63.10:2013
RSS-247 Issue 2:2017	ANSI C63.10:2013

COMMENTS

Reference level offset includes: DC Block, 30 dB attenuation, and measurement cable.

DEVIATIONS FROM TEST STANDARD

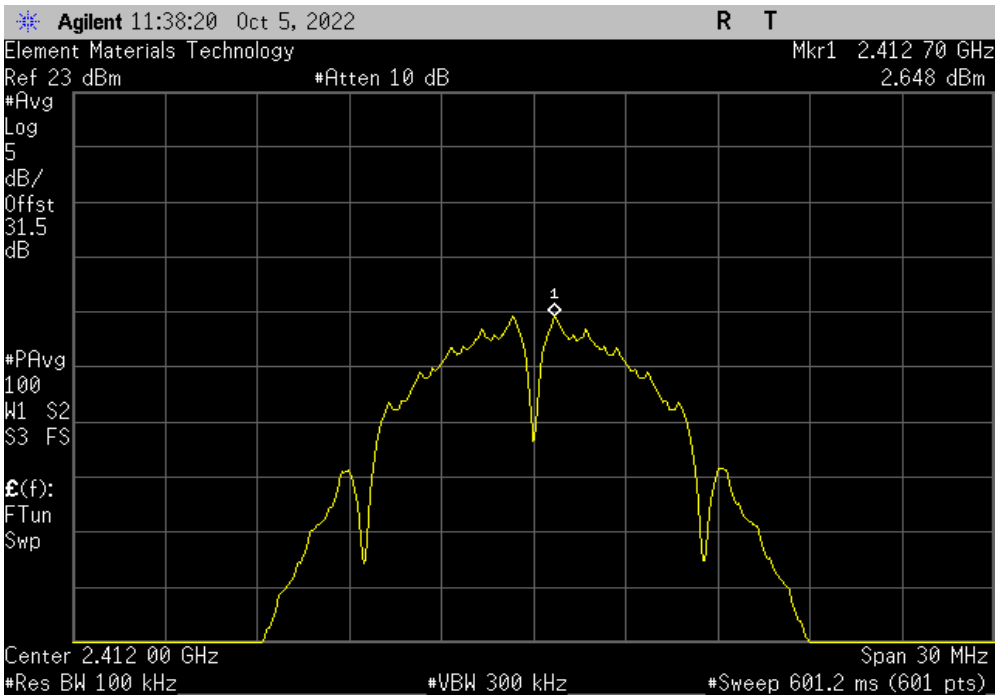
None

Configuration #	**1**	*Signature*

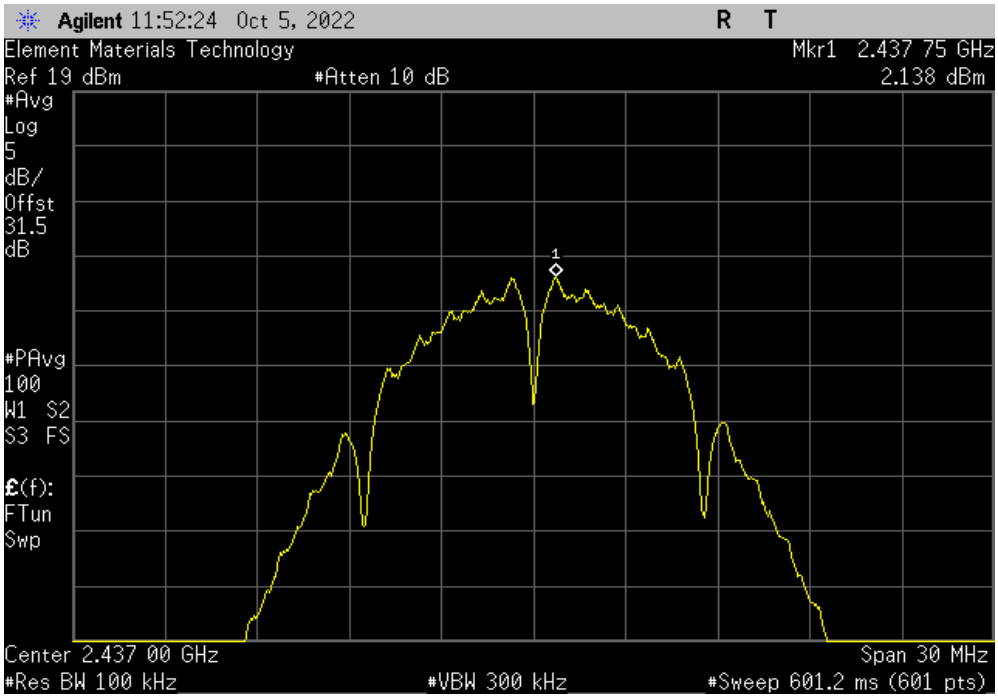
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
Chain 0						
CCK, 1 Mbps						
Low Channel 1, 2412 MHz	2.648	-15.2	2	-10.6	8	Pass
Mid Channel 6, 2437 MHz	2.138	-15.2	2	-11.1	8	Pass
High Channel 11, 2462 MHz	1.704	-15.2	2	-11.5	8	Pass
CCK, 11 Mbps						
Low Channel 1, 2412 MHz	0.233	-15.2	4.8	-10.2	8	Pass
Mid Channel 6, 2437 MHz	-0.548	-15.2	4.8	-10.9	8	Pass
High Channel 11, 2462 MHz	-0.966	-15.2	4.8	-11.4	8	Pass
Legacy OFDM, 6 Mbps						
Low Channel 1, 2412 MHz	0.299	-15.2	0.4	-14.5	8	Pass
Mid Channel 6, 2437 MHz	-0.127	-15.2	0.4	-14.9	8	Pass
High Channel 11, 2462 MHz	-0.515	-15.2	0.4	-15.3	8	Pass
Legacy OFDM, 36 Mbps						
Low Channel 1, 2412 MHz	-1.293	-15.2	2.3	-14.2	8	Pass
Mid Channel 6, 2437 MHz	-1.338	-15.2	2.4	-14.1	8	Pass
High Channel 11, 2462 MHz	-1.864	-15.2	2.1	-15	8	Pass
Legacy OFDM, 54 Mbps						
Low Channel 1, 2412 MHz	-1.567	-15.2	3.2	-13.6	8	Pass
Mid Channel 6, 2437 MHz	-1.919	-15.2	3.2	-13.9	8	Pass
High Channel 11, 2462 MHz	-2.375	-15.2	3.2	-14.4	8	Pass
HT20, MCS0						
Low Channel 1, 2412 MHz	-2.365	-15.2	0.3	-17.3	8	Pass
Mid Channel 6, 2437 MHz	-2.928	-15.2	0.3	-17.8	8	Pass
High Channel 11, 2462 MHz	-3.936	-15.2	0.3	-18.8	8	Pass
HT20, MCS7						
Low Channel 1, 2412 MHz	-2.407	-15.2	0.6	-17	8	Pass
Mid Channel 6, 2437 MHz	-2.655	-15.2	0.6	-17.3	8	Pass
High Channel 11, 2462 MHz	-3.197	-15.2	0.6	-17.8	8	Pass
VHT20, MCS0						
Low Channel 1, 2412 MHz	-2.769	-15.2	0.6	-17.4	8	Pass
Mid Channel 6, 2437 MHz	-3.467	-15.2	0.6	-18.1	8	Pass
High Channel 11, 2462 MHz	-3.593	-15.2	0.6	-18.2	8	Pass
VHT20, MCS8						
Low Channel 1, 2412 MHz	-2.625	-15.2	0.6	-17.2	8	Pass
Mid Channel 6, 2437 MHz	-2.753	-15.2	0.6	-17.4	8	Pass
High Channel 11, 2462 MHz	-3.141	-15.2	0.6	-17.7	8	Pass
HE20, MCS0						
Low Channel 1, 2412 MHz	-3.996	-15.2	0.6	-18.6	8	Pass
Mid Channel 6, 2437 MHz	-4.535	-15.2	0.6	-19.1	8	Pass
High Channel 11, 2462 MHz	-5.022	-15.2	0.6	-19.6	8	Pass
HE20, MCS11						
Low Channel 1, 2412 MHz	-3.888	-15.2	0.6	-18.5	8	Pass
Mid Channel 6, 2437 MHz	-3.966	-15.2	0.6	-18.6	8	Pass
High Channel 11, 2462 MHz	-4.233	-15.2	0.6	-18.8	8	Pass

POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, CCK, 1 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	2.648	-15.2	2	-10.6	8	Pass

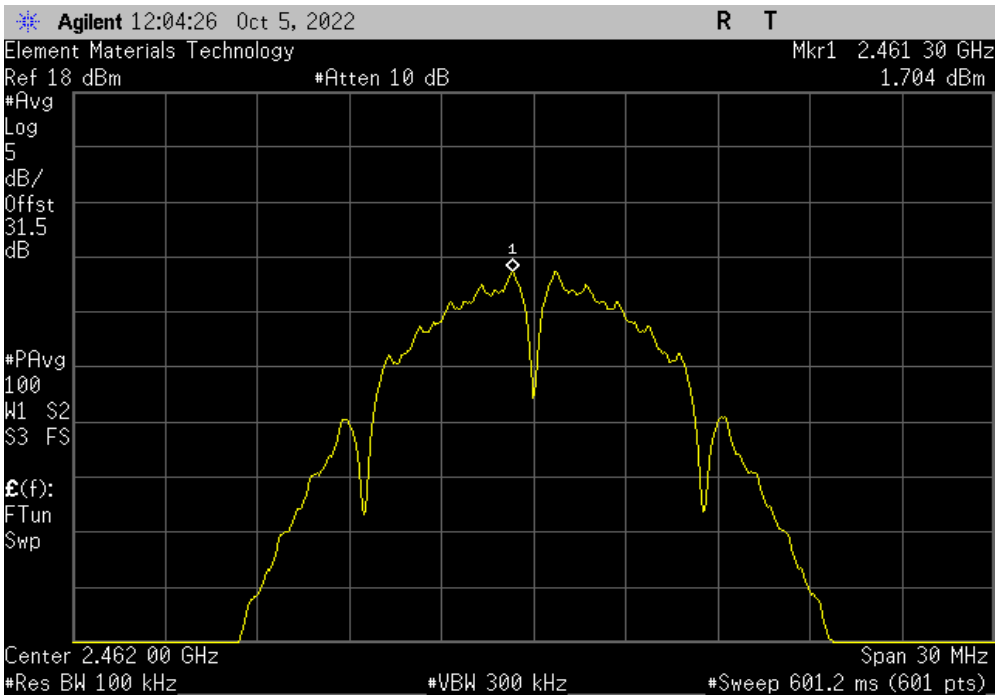


Chain 0, CCK, 1 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	2.138	-15.2	2	-11.1	8	Pass

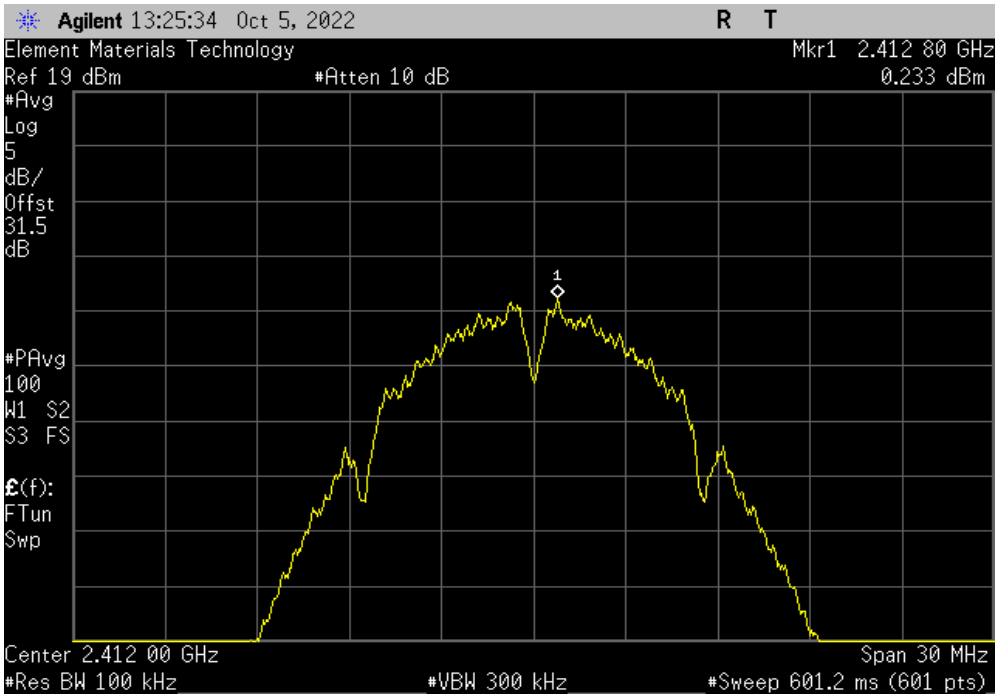


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, CCK, 1 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	1.704	-15.2	2	-11.5	8	Pass

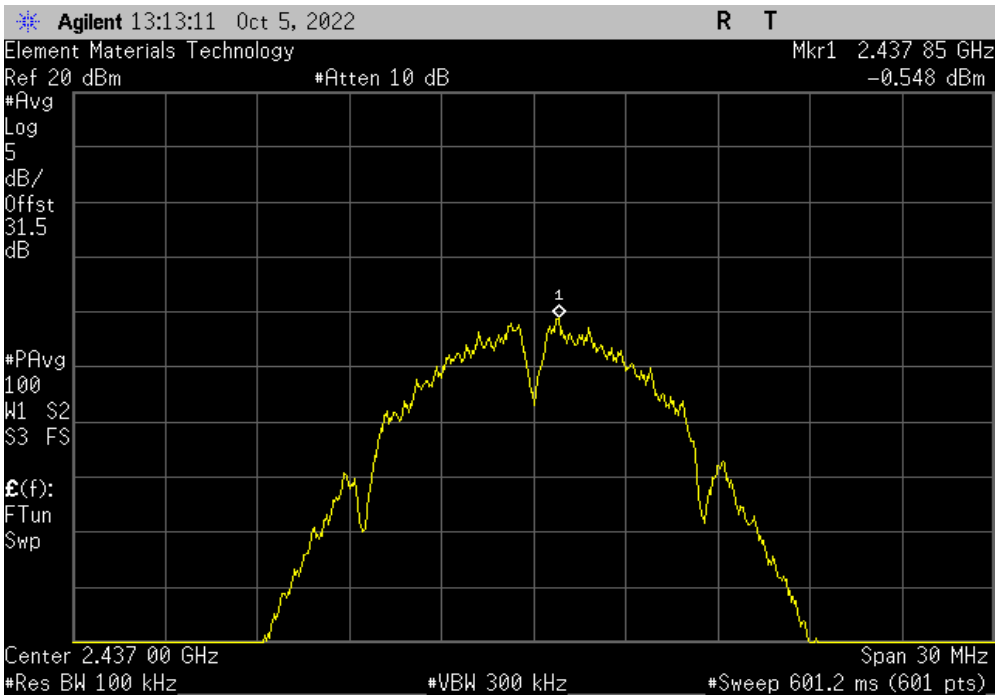


Chain 0, CCK, 11 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	0.233	-15.2	4.8	-10.2	8	Pass

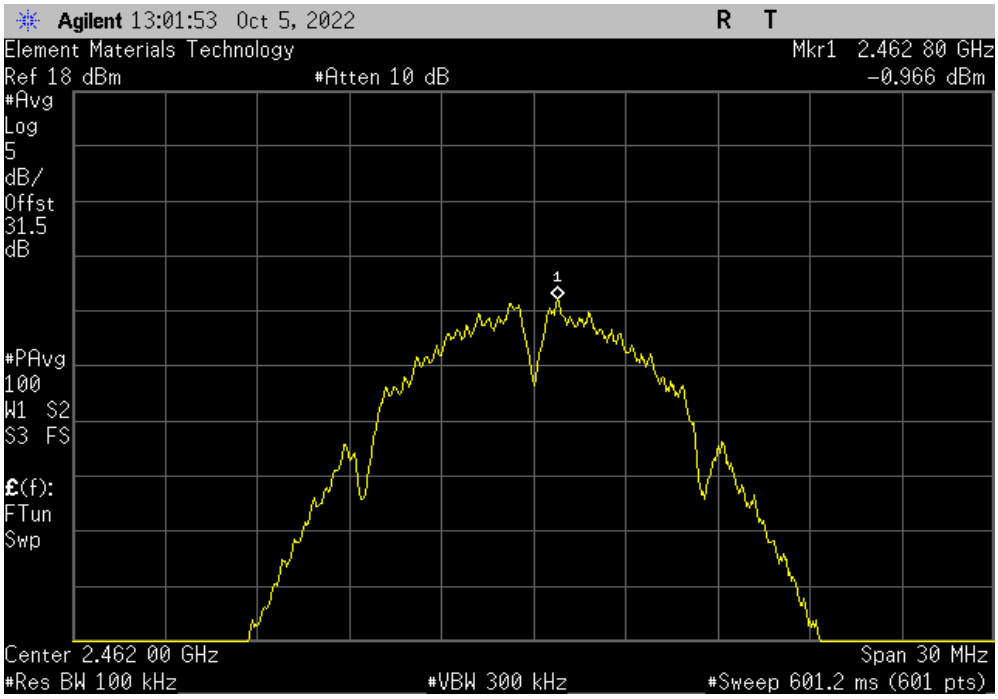


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, CCK, 11 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.548	-15.2	4.8	-10.9	8	Pass

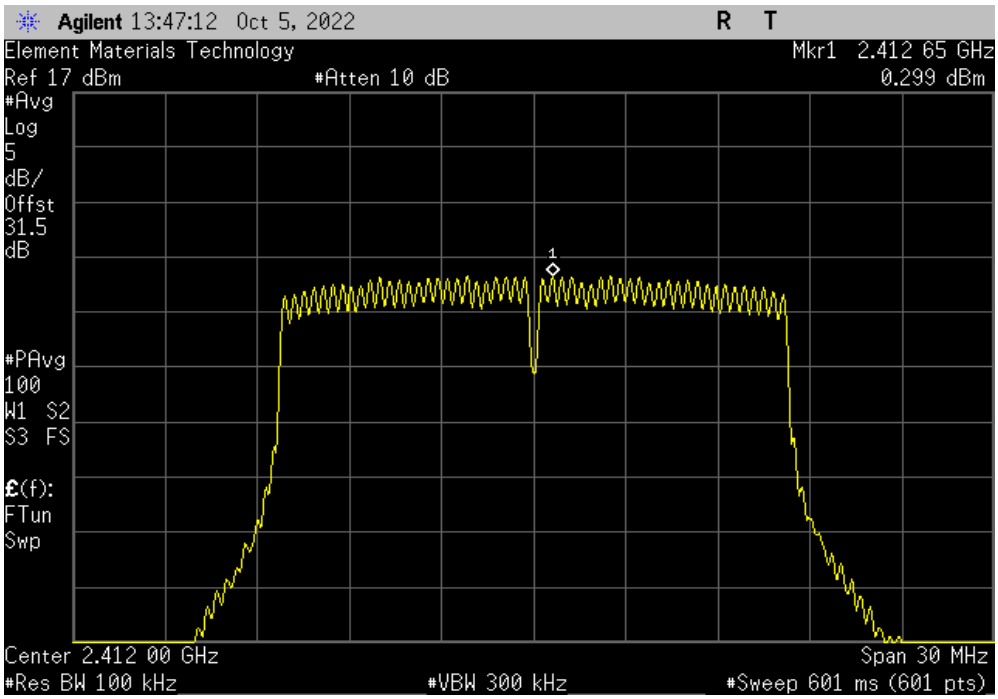


Chain 0, CCK, 11 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.966	-15.2	4.8	-11.4	8	Pass

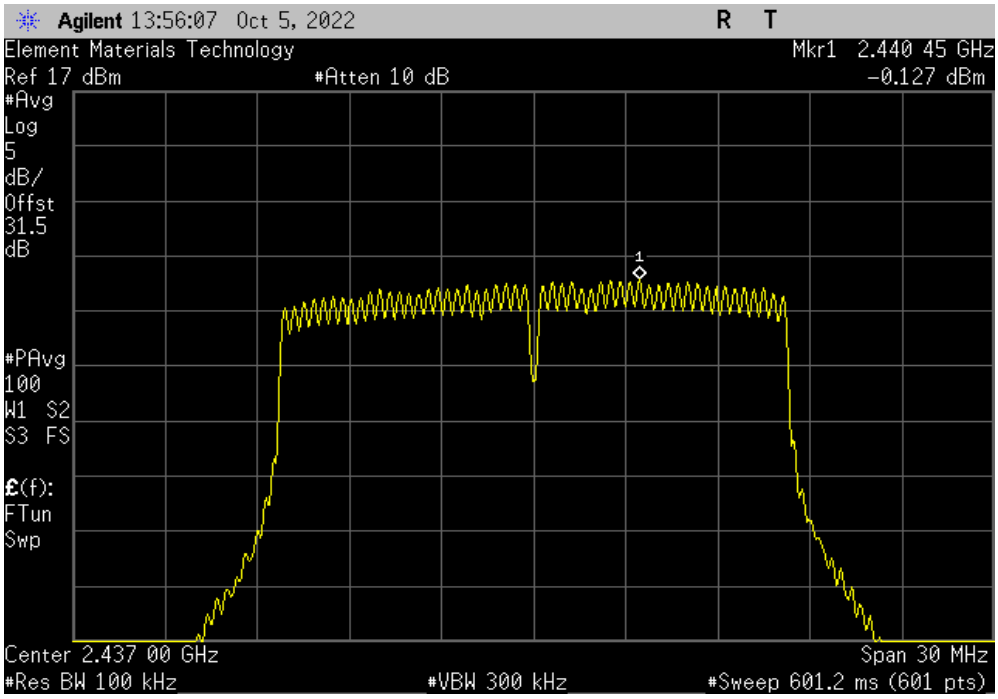


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, Legacy OFDM, 6 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	0.299	-15.2	0.4	-14.5	8	Pass

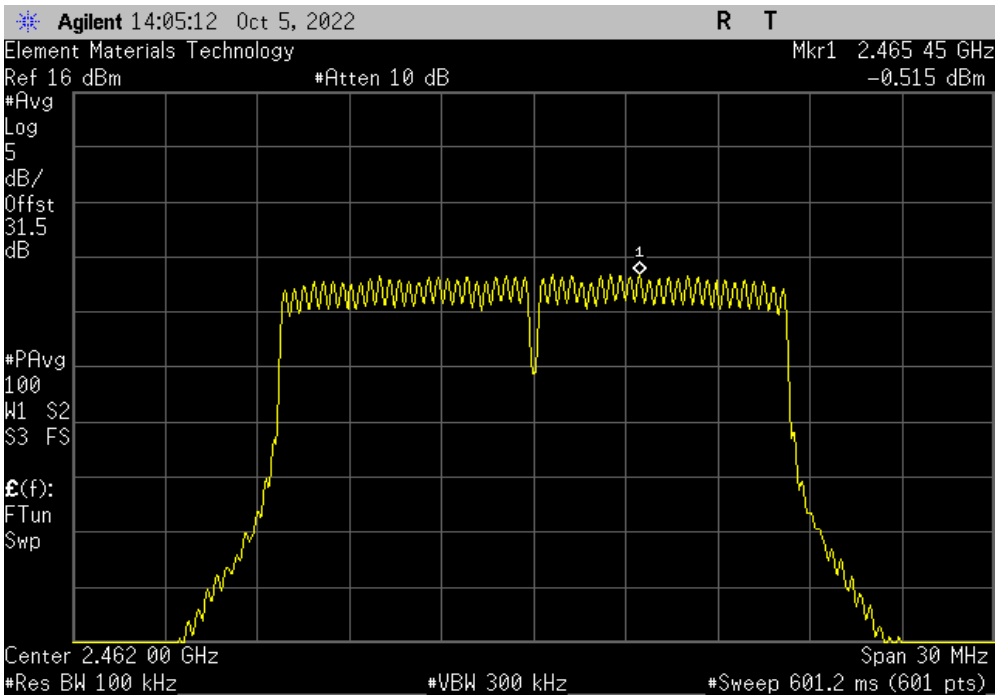


Chain 0, Legacy OFDM, 6 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.127	-15.2	0.4	-14.9	8	Pass

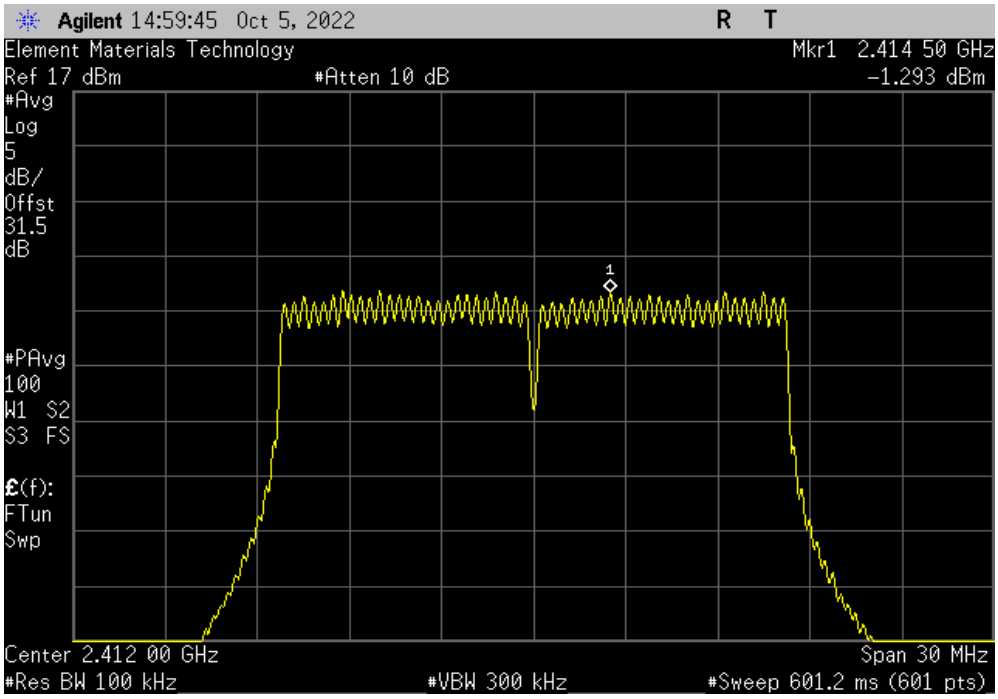


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, Legacy OFDM, 6 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.515	-15.2	0.4	-15.3	8	Pass

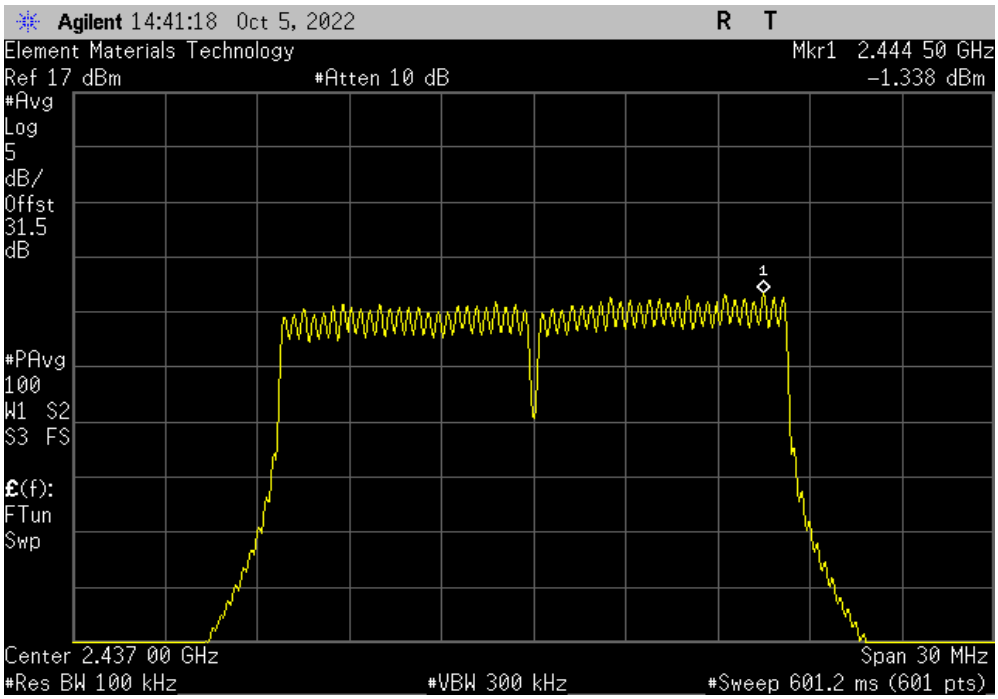


Chain 0, Legacy OFDM, 36 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-1.293	-15.2	2.3	-14.2	8	Pass

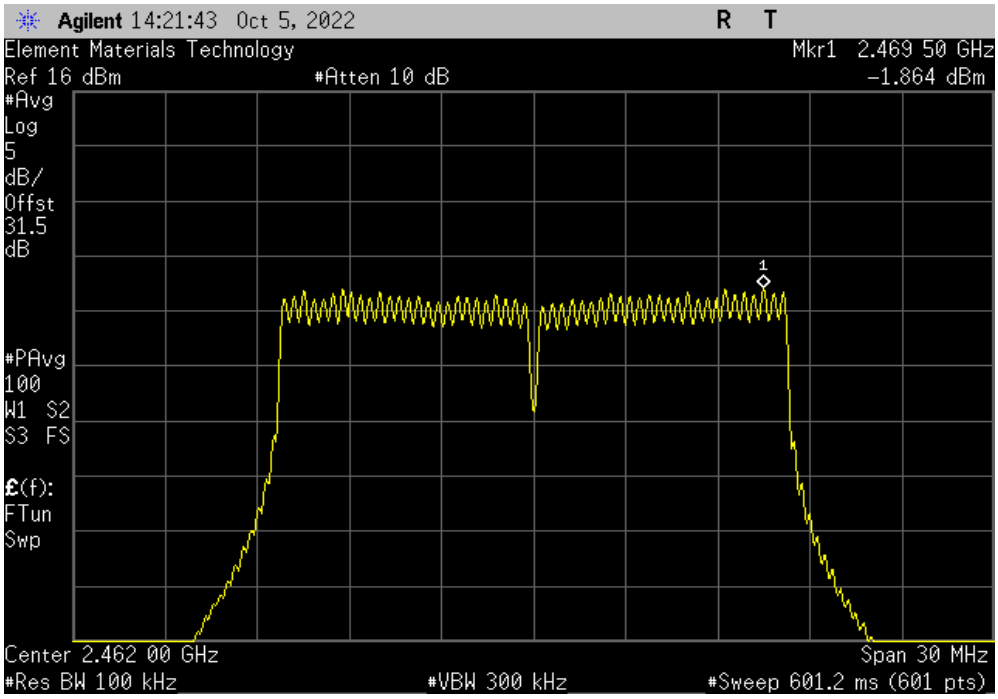


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, Legacy OFDM, 36 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-1.338	-15.2	2.4	-14.1	8	Pass

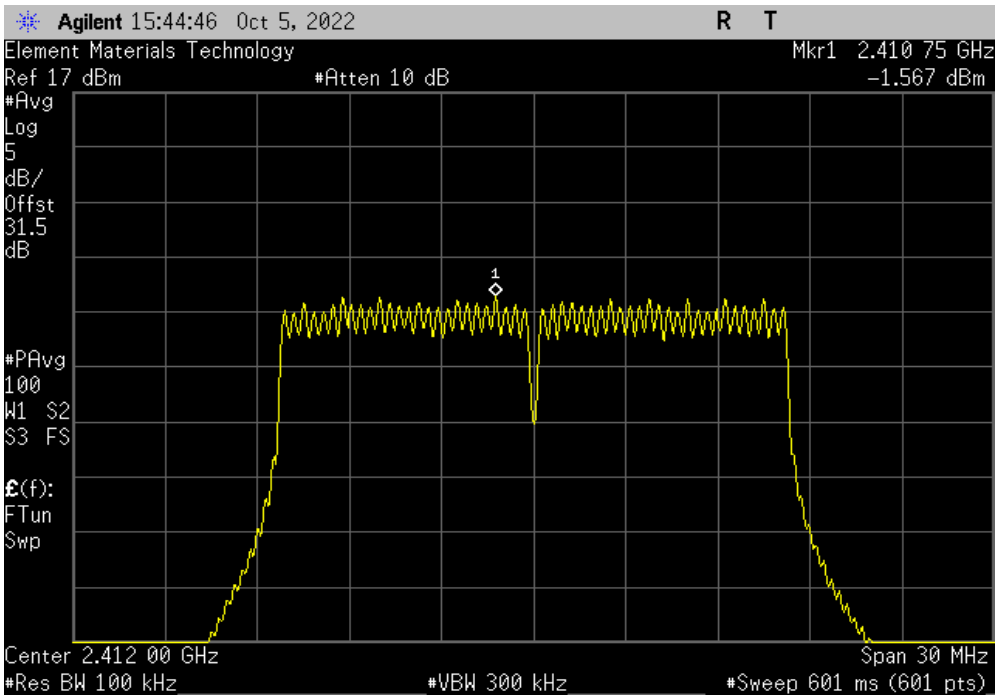


Chain 0, Legacy OFDM, 36 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-1.864	-15.2	2.1	-15	8	Pass

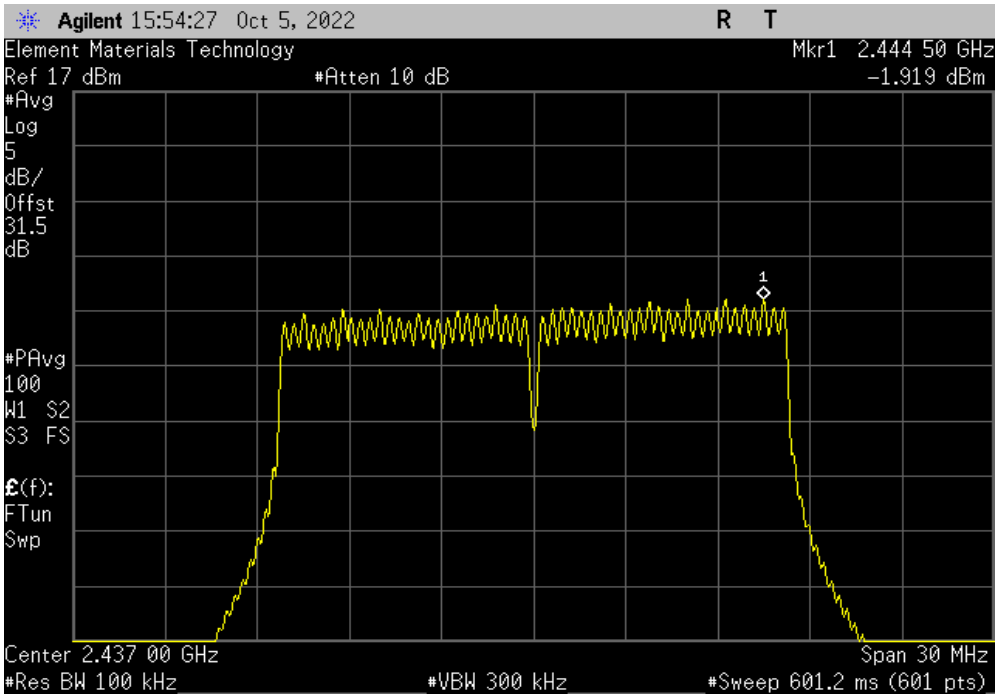


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, Legacy OFDM, 54 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-1.567	-15.2	3.2	-13.6	8	Pass

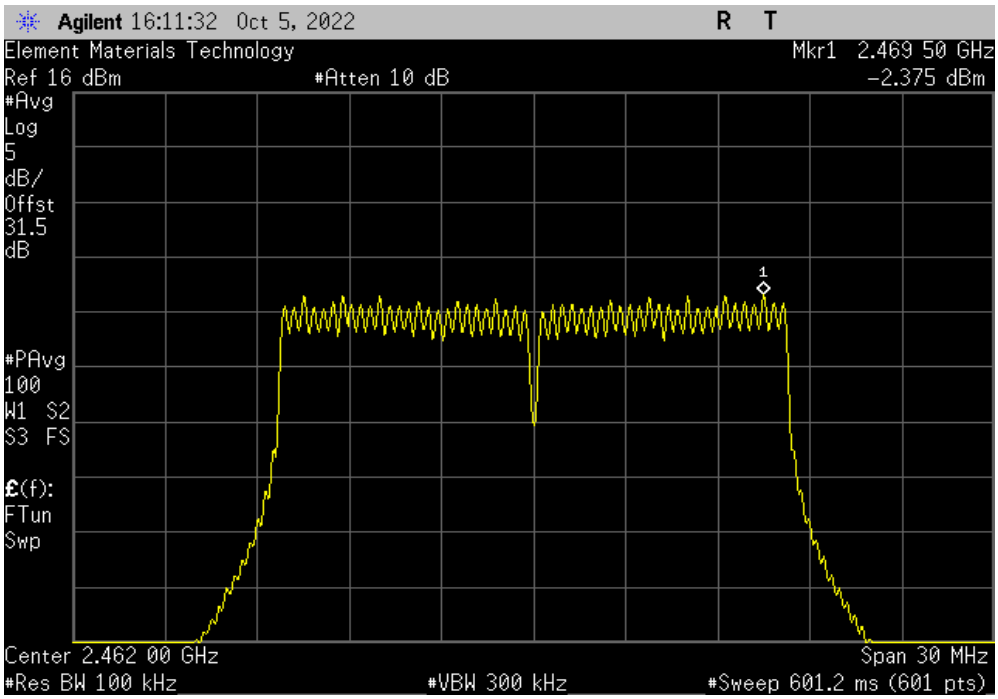


Chain 0, Legacy OFDM, 54 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-1.919	-15.2	3.2	-13.9	8	Pass

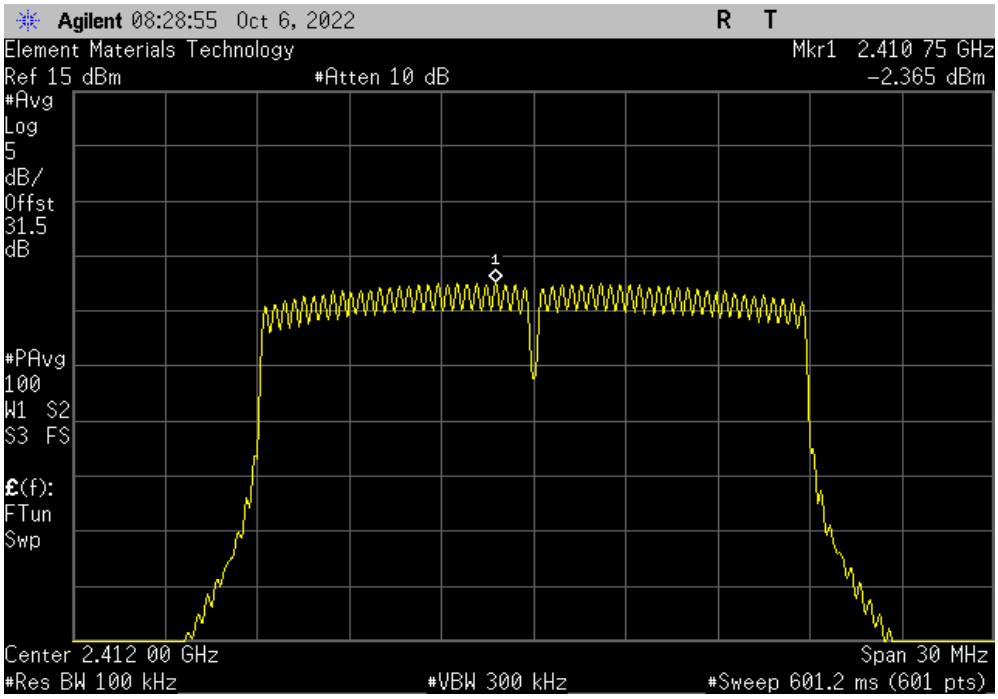


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, Legacy OFDM, 54 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.375	-15.2	3.2	-14.4	8	Pass

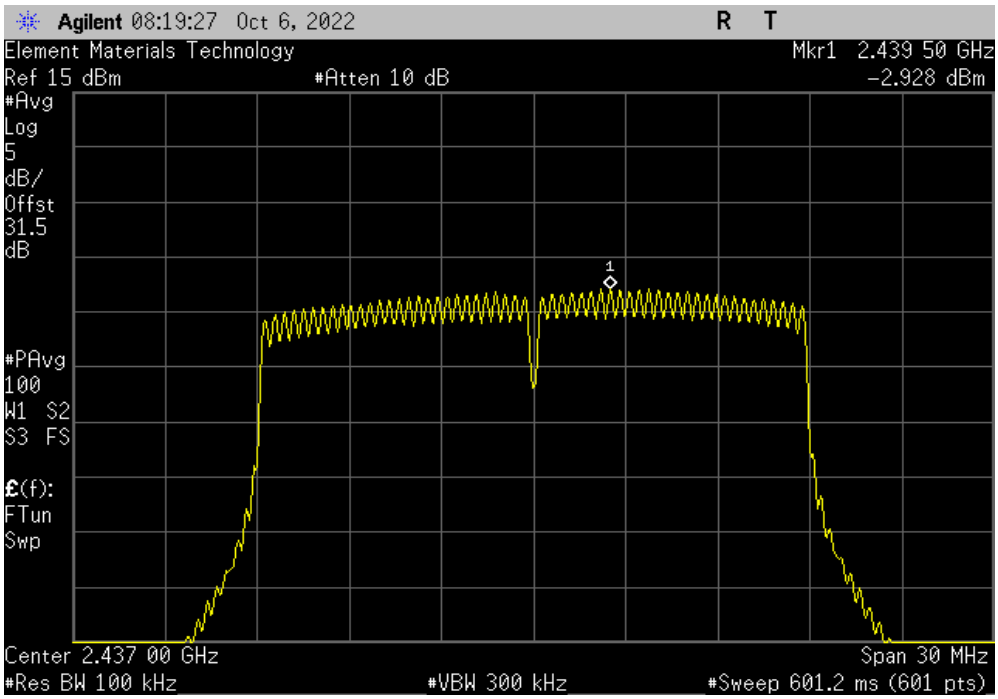


Chain 0, HT20, MCS0, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.365	-15.2	0.3	-17.3	8	Pass

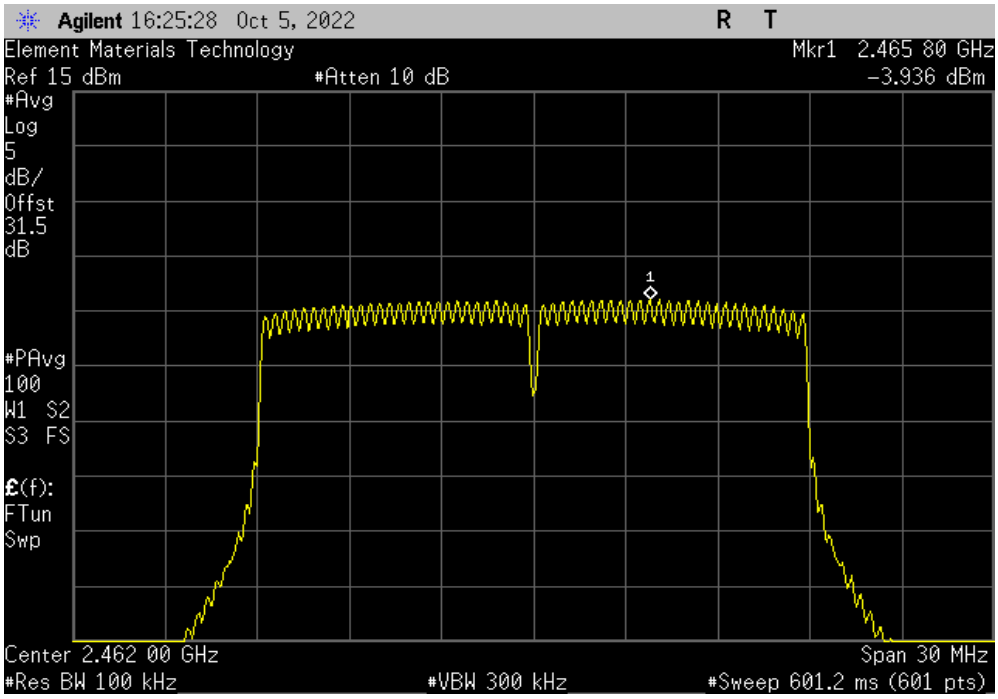


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, HT20, MCS0, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.928	-15.2	0.3	-17.8	8	Pass

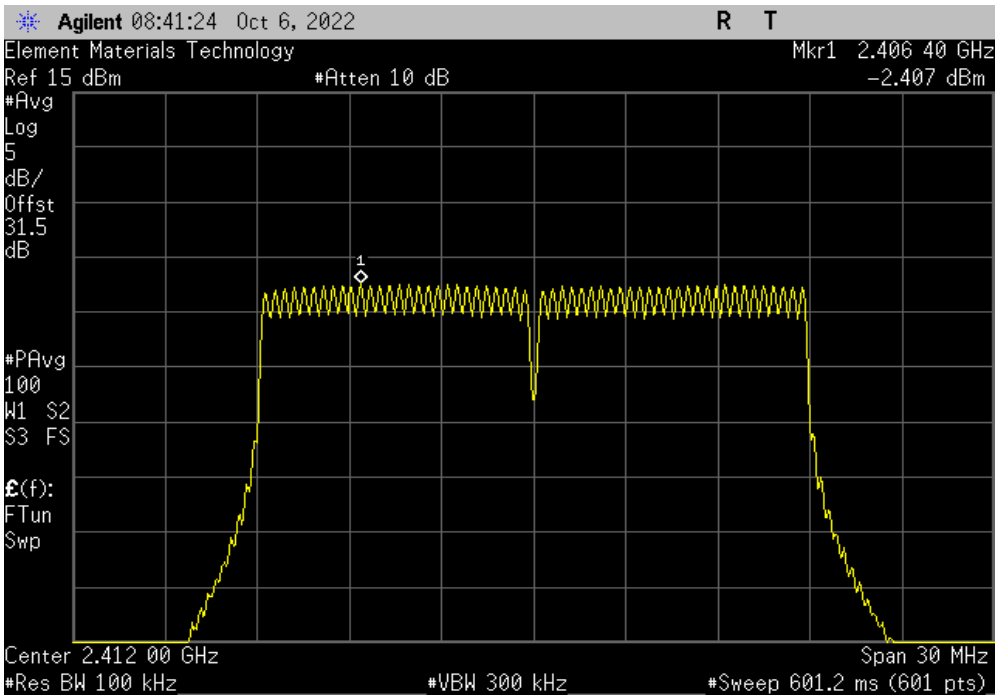


Chain 0, HT20, MCS0, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.936	-15.2	0.3	-18.8	8	Pass

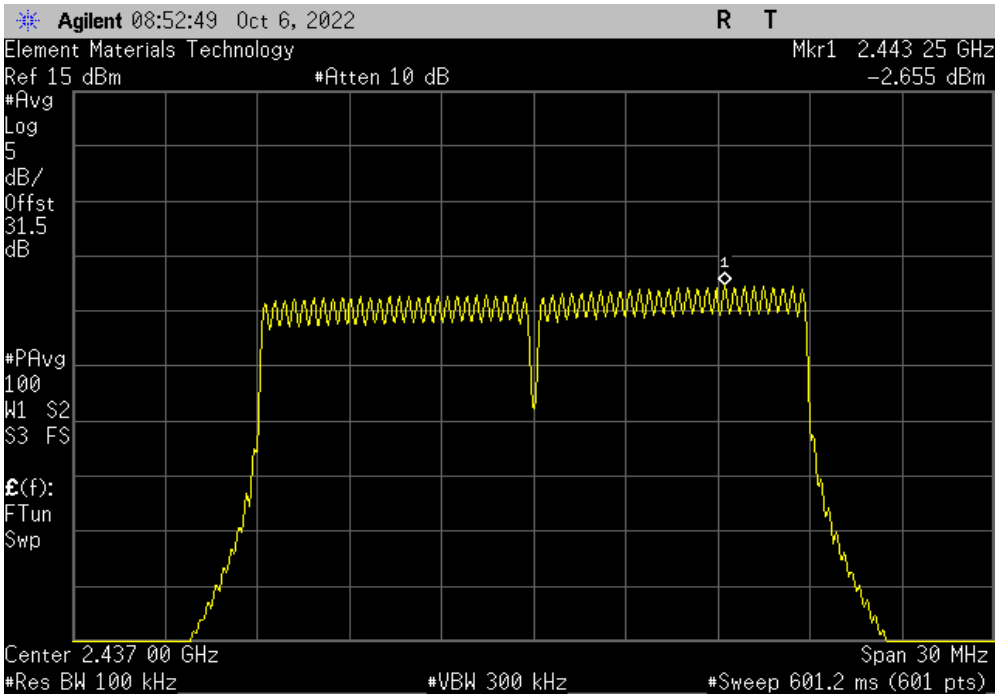


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, HT20, MCS7, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.407	-15.2	0.6	-17	8	Pass

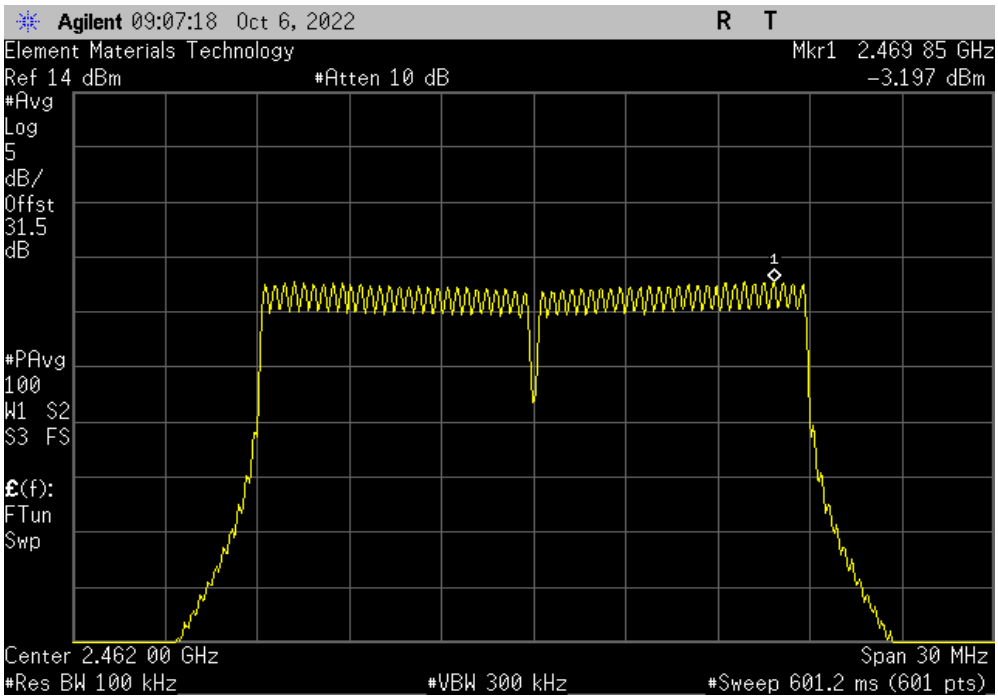


Chain 0, HT20, MCS7, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.655	-15.2	0.6	-17.3	8	Pass

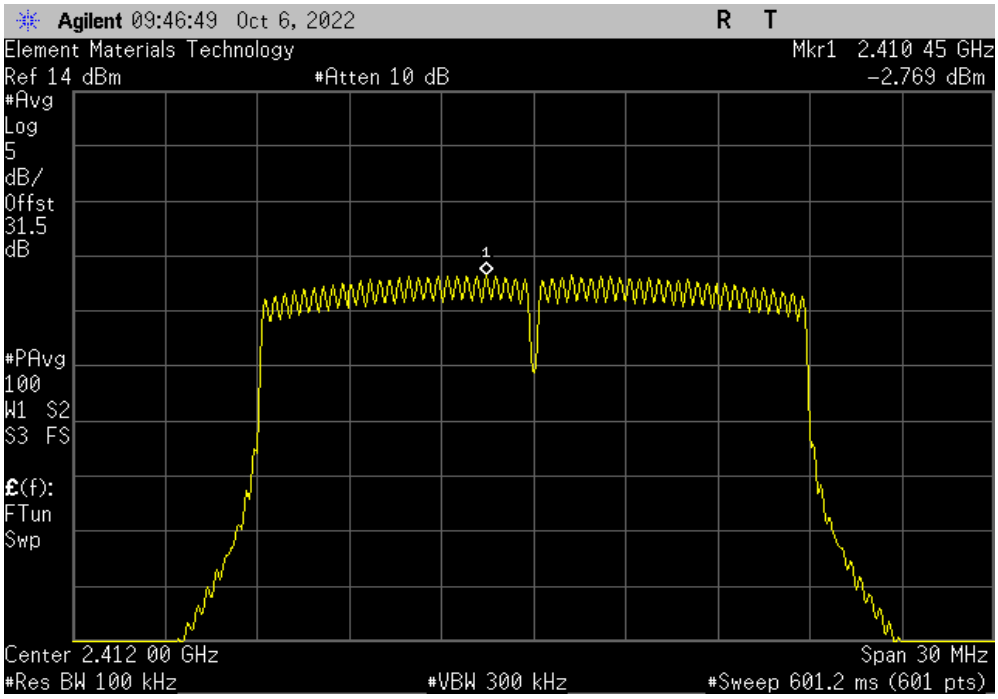


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, HT20, MCS7, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.197	-15.2	0.6	-17.8	8	Pass

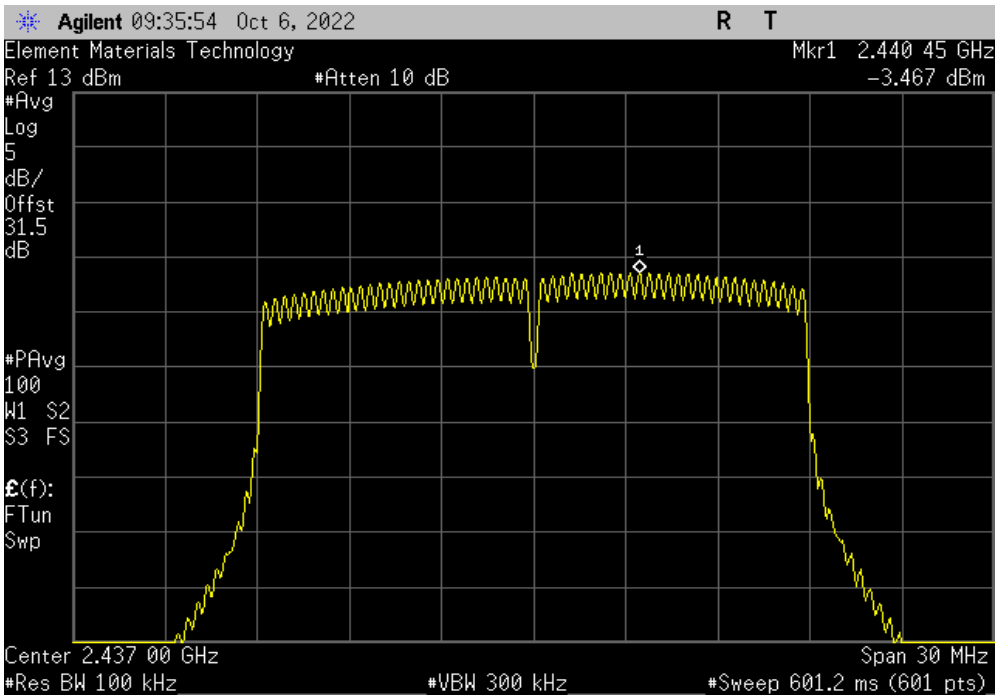


Chain 0, VHT20, MCS0, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.769	-15.2	0.6	-17.4	8	Pass

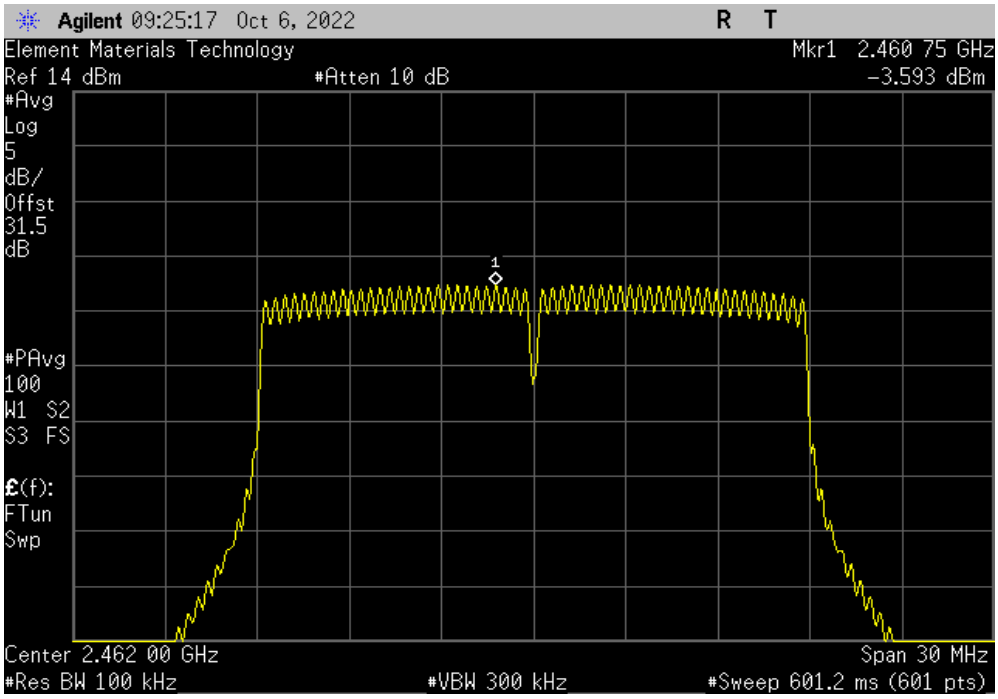


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, VHT20, MCS0, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.467	-15.2	0.6	-18.1	8	Pass

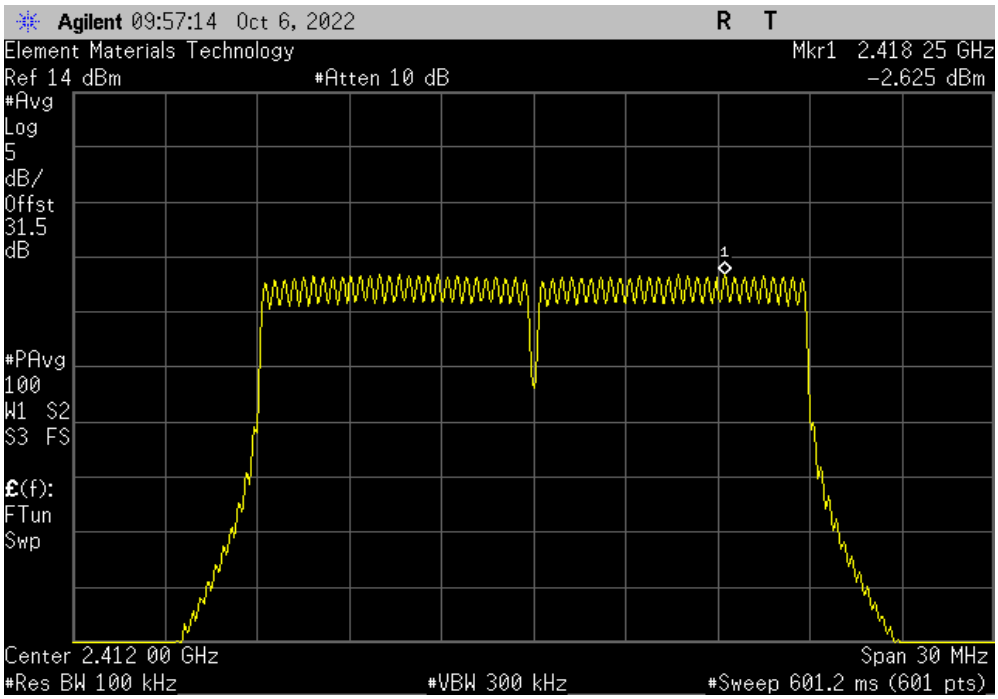


Chain 0, VHT20, MCS0, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.593	-15.2	0.6	-18.2	8	Pass

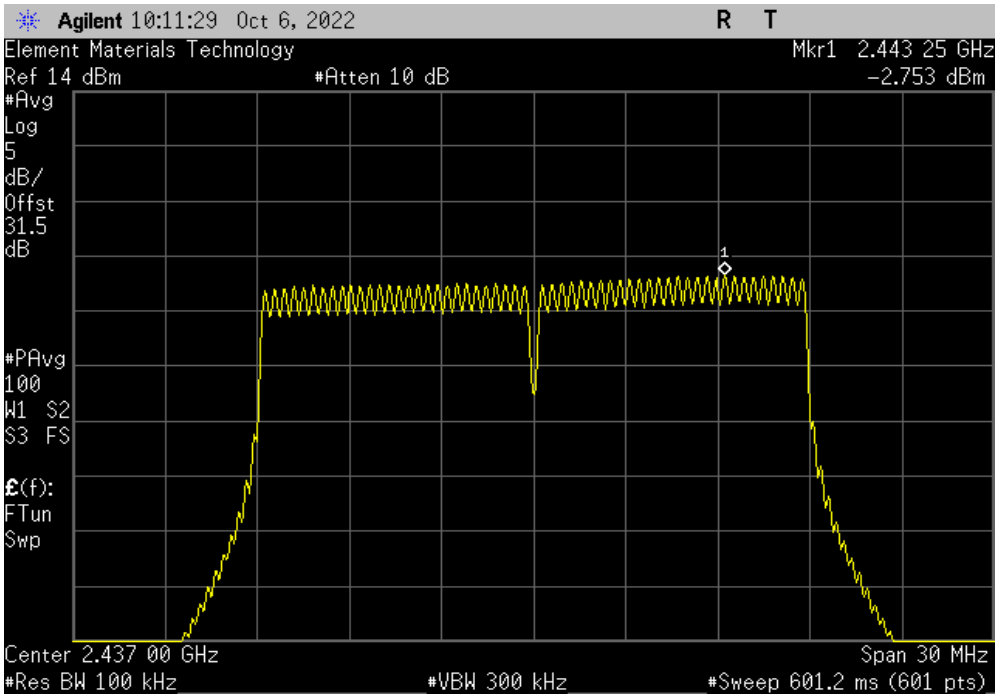


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, VHT20, MCS8, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.625	-15.2	0.6	-17.2	8	Pass

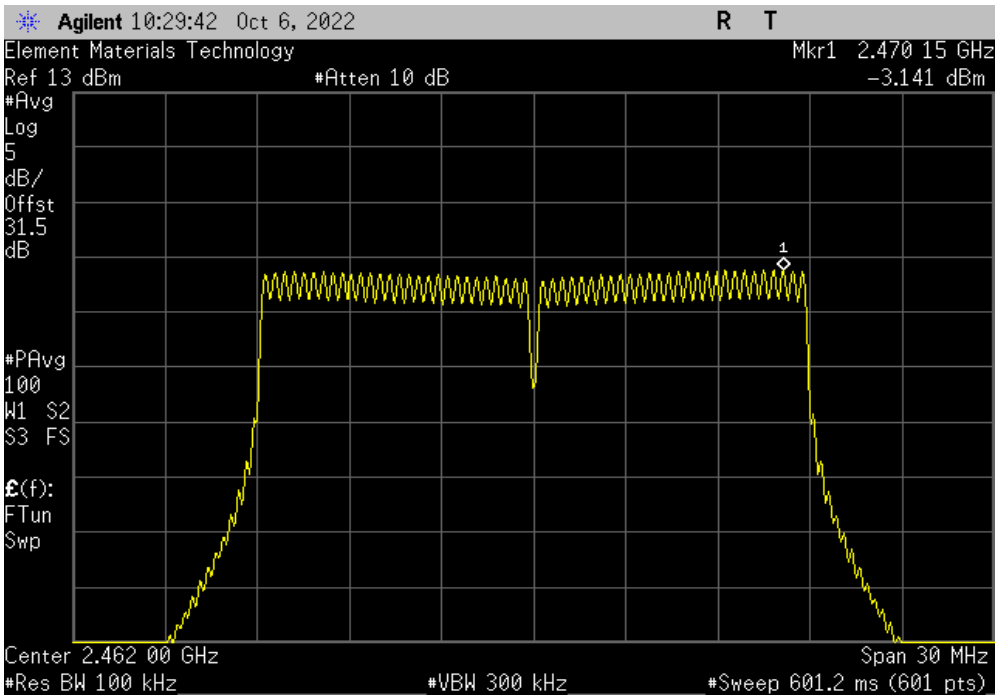


Chain 0, VHT20, MCS8, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.753	-15.2	0.6	-17.4	8	Pass

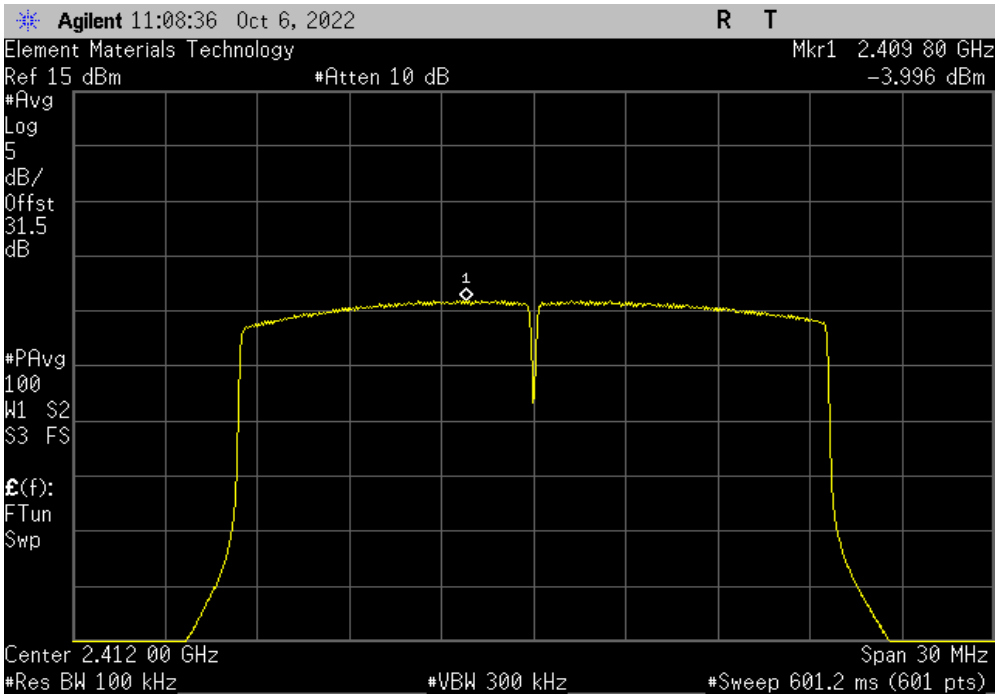


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, VHT20, MCS8, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.141	-15.2	0.6	-17.7	8	Pass

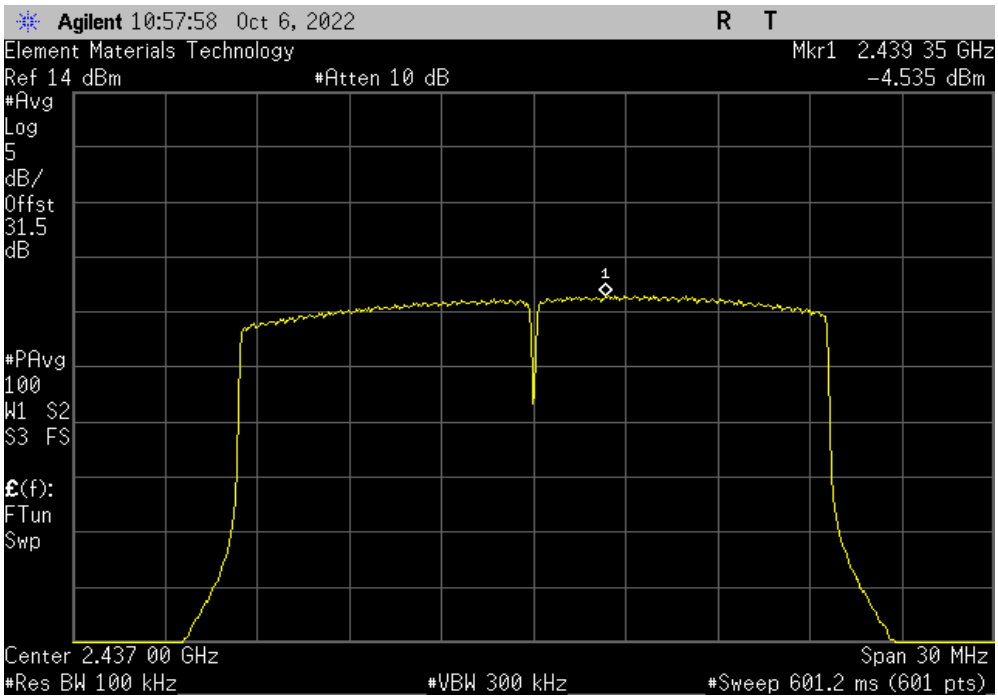


Chain 0, HE20, MCS0, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.996	-15.2	0.6	-18.6	8	Pass

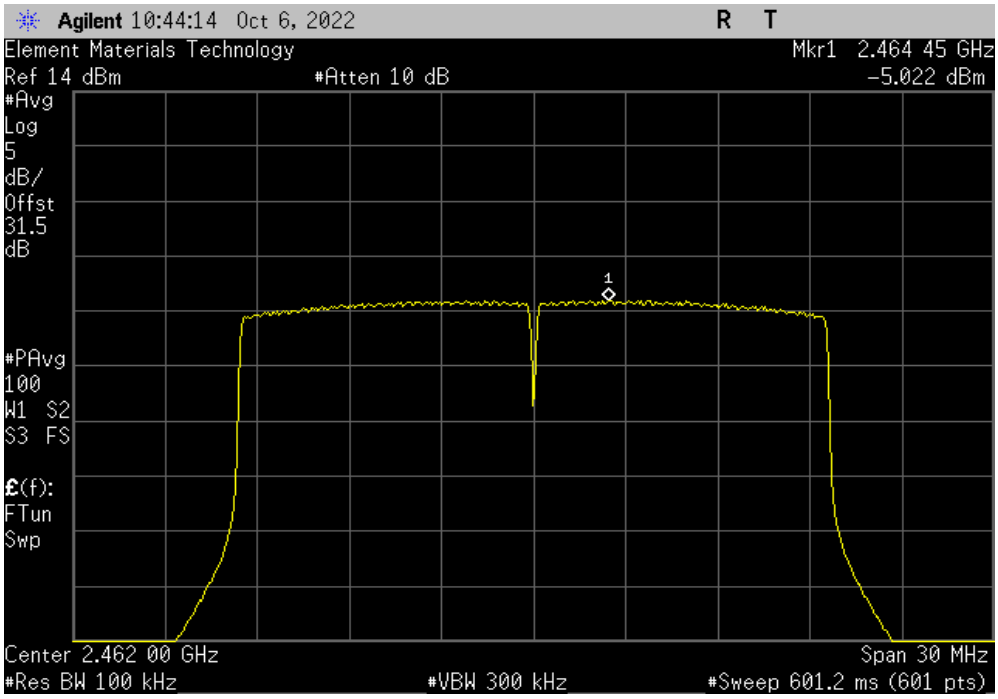


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, HE20, MCS0, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-4.535	-15.2	0.6	-19.1	8	Pass

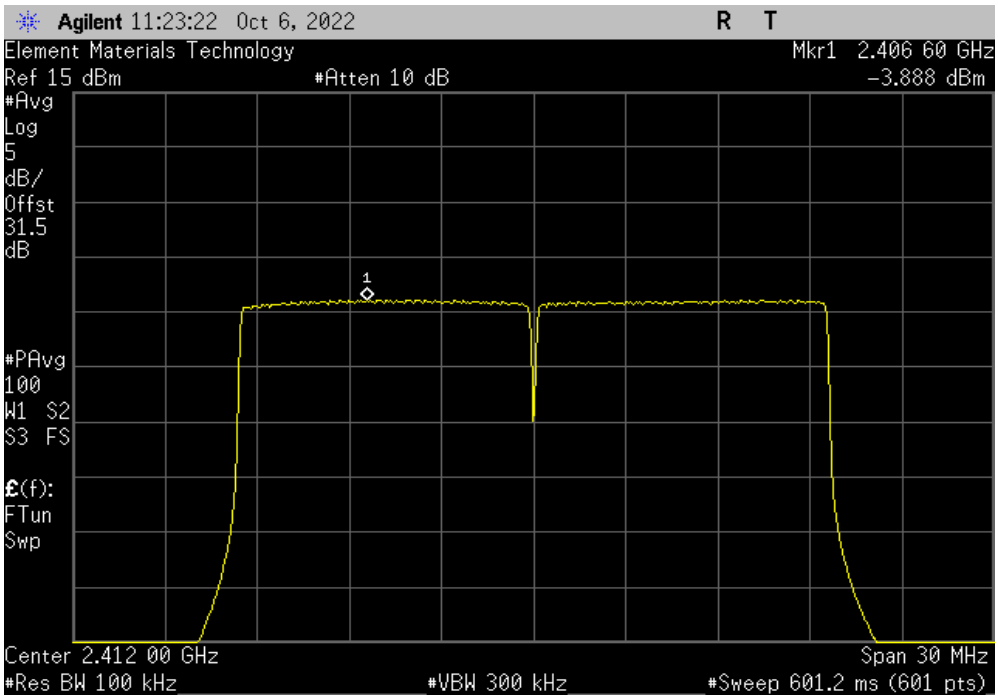


Chain 0, HE20, MCS0, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-5.022	-15.2	0.6	-19.6	8	Pass

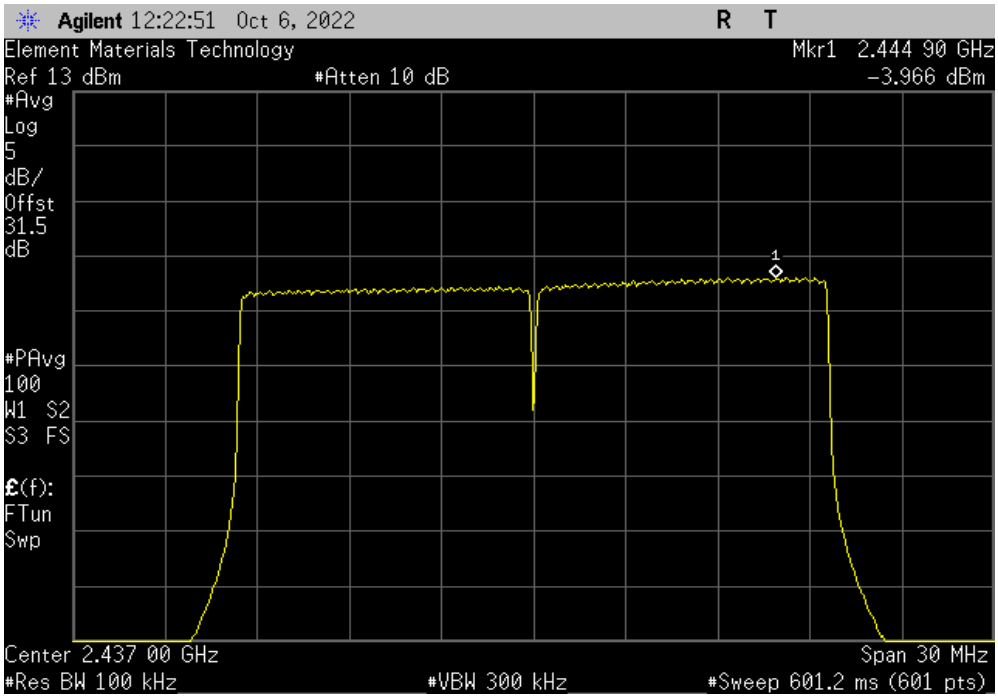


POWER SPECTRAL DENSITY - CHAIN 0

Chain 0, HE20, MCS11, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.888	-15.2	0.6	-18.5	8	Pass



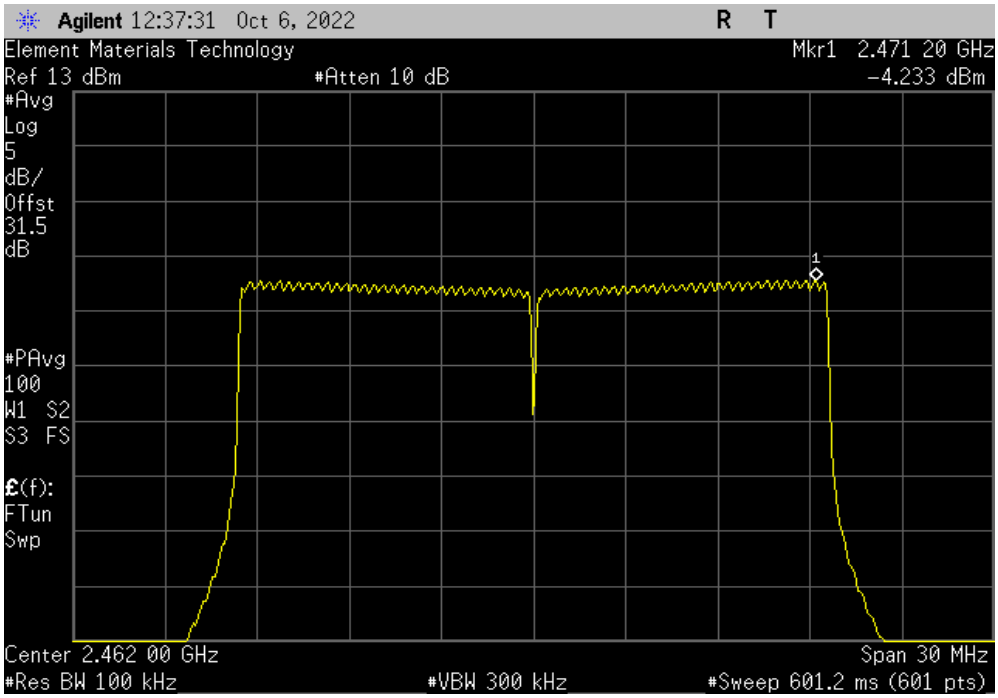
Chain 0, HE20, MCS11, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.966	-15.2	0.6	-18.6	8	Pass



POWER SPECTRAL DENSITY - CHAIN 0

TbtTx 2022.06.03.0 XMit 2022.02.07.0

Chain 0, HE20, MCS11, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-4.233	-15.2	0.6	-18.8	8	Pass



POWER SPECTRAL DENSITY - CHAIN 1

XMit 2023.02.14.0

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 - 2023

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2023-02-06	2024-02-06
Block - DC	Fairview Microwave	SD3379	AMW	2023-03-13	2024-03-13
Attenuator	S.M. Electronics	SA26B-20	AUY	2023-03-13	2024-03-13
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2022-12-02	2023-12-02
Generator - Signal	Keysight	N5182B	TFU	2022-12-02	2024-12-02
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05

TEST EQUIPMENT - 2022

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Keysight	N5182B	TFU	2020-11-20	2022-11-20
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2021-12-05	2022-12-05
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Attenuator	S.M. Electronics	SA26B-20	AUY	2022-03-15	2023-03-15
Block - DC	Fairview Microwave	SD3379	AMW	2022-03-14	2023-03-14
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2022-01-26	2023-01-26

TEST DESCRIPTION

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

The power spectral density was measured using the channels and modes as called out in the following data sheets.

The method AVGPSD-2 in clause 11.10.5 of ANSI C63.10:2013 was used to make the measurement. This method uses trace averaging and RMS detection across the ON and OFF times of the transmission. The analyzer was configured to the following settings:

Span = at least 1.5 * OBW
RBW = 100 kHz
VBW = 300 kHz
Detector = RMS
Sweep = 601 mS
Points = 601

The peak marker function was used to determine the maximum amplitude level. An additional [10*log(1 / D)], where D is the duty cycle was added to the peak marker to compute the average PSD during the actual transmission time. The resultant value was corrected to the reference bandwidth of 3 kHz using a correction factor of -15.2 dB, and compared to the limit.

dBm/100kHz To dBm/3kHz = 10*log(Ref. RBW / Meas. Bandwidth) = 10*log(3 kHz / 100 kHz) = -15.2 dB

POWER SPECTRAL DENSITY - CHAIN 1

element

TbtTx 2022.06.03.0 XMit 2023.02.14.0

EUT:	**U8 Hawk**			**Work Order:**	**KYME0068**
Serial Number:	**See configuration**			**Date:**	**03/15/23**
Customer:	**Kymeta Corp.**			**Temperature:**	**19°C**
Attendees:	**Dean Busch and Mike Olsen**			**Humidity:**	**41.4%**
Project:	**None**			**Barometric Pres.:**	**1008 mbar**
Tested by:	**Jeff Alcoke**	**Power:**	**12VDC**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	**Test Method**
FCC 15.247:2023	ANSI C63.10:2013
RSS-247 Issue 2:2017	ANSI C63.10:2013

COMMENTS

All measurments collected before 2023, were performed on configuration KYME0068-1. Reference level offset includes: DC block, 30 dB attenuation, and measurement cable.

DEVIATIONS FROM TEST STANDARD

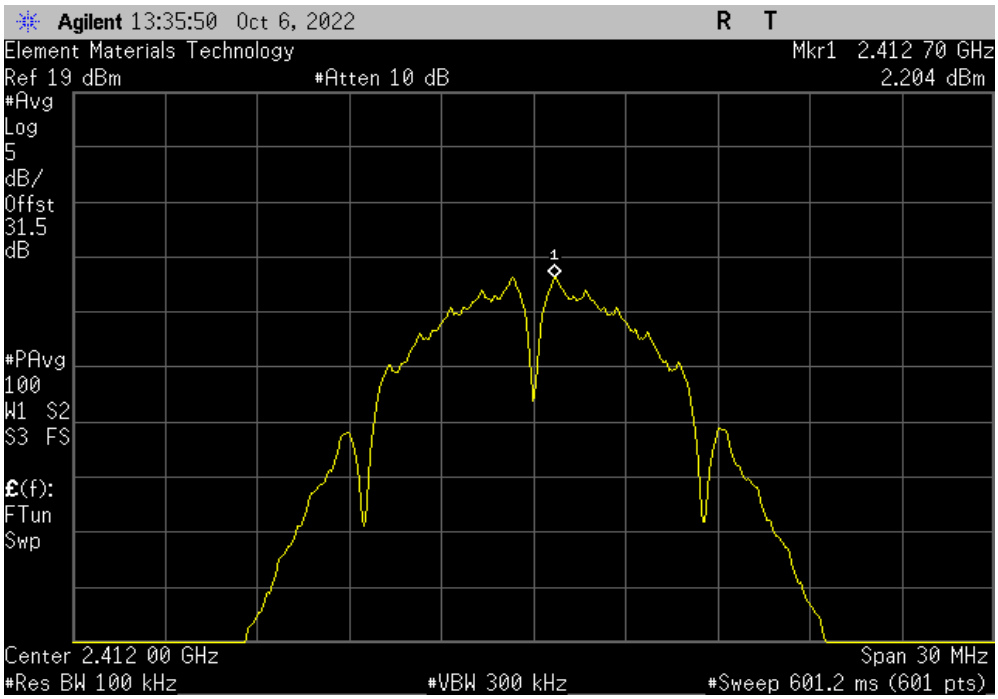
None

Configuration #	**KYME0068-1** **KYME0068-5**	*Signature*

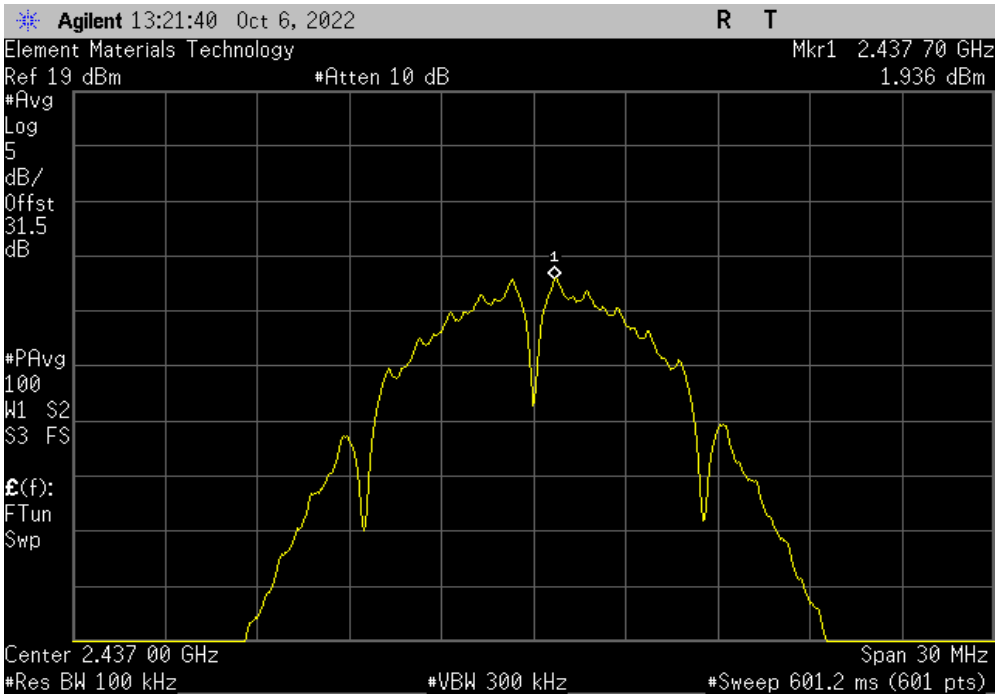
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
Chain 1							
	CCK, 1 Mbps						
	Low Channel 1, 2412 MHz	2.204	-15.2	2	-11.0	8	Pass
	Mid Channel 6, 2437 MHz	1.936	-15.2	2	-11.3	8	Pass
	High Channel 11, 2462 MHz	1.675	-15.2	2	-11.5	8	Pass
	CCK, 11 Mbps						
	Low Channel 1, 2412 MHz	-0.317	-15.2	4.8	-10.7	8	Pass
	Mid Channel 6, 2437 MHz	-0.387	-15.2	4.8	-10.8	8	Pass
	High Channel 11, 2462 MHz	-0.662	-15.2	4.8	-11.1	8	Pass
	Legacy OFDM, 6 Mbps						
	Low Channel 1, 2412 MHz	-0.127	-15.2	0.4	-14.9	8	Pass
	Mid Channel 6, 2437 MHz	-0.169	-15.2	0.4	-15.0	8	Pass
	High Channel 11, 2462 MHz	-0.456	-15.2	0.4	-15.3	8	Pass
	Legacy OFDM, 36 Mbps						
	Low Channel 1, 2412 MHz	-1.665	-15.2	2.3	-14.6	8	Pass
	Mid Channel 6, 2437 MHz	-1.453	-15.2	2.3	-14.4	8	Pass
	High Channel 11, 2462 MHz	-4.436	-15.2	2.3	-17.3	8	Pass
	Legacy OFDM, 54 Mbps						
	Low Channel 1, 2412 MHz	-2.068	-15.2	3.2	-14.1	8	Pass
	Mid Channel 6, 2437 MHz	-2.204	-15.2	3.2	-14.2	8	Pass
	High Channel 11, 2462 MHz	-2.264	-15.2	3.2	-14.3	8	Pass
	HT20, MCS0						
	Low Channel 1, 2412 MHz	-3.303	-15.2	0.6	-17.9	8	Pass
	Mid Channel 6, 2437 MHz	-3.268	-15.2	0.6	-17.9	8	Pass
	High Channel 11, 2462 MHz	-3.63	-15.2	0.6	-18.2	8	Pass
	HT20, MCS7						
	Low Channel 1, 2412 MHz	-3.278	-15.2	0.6	-17.9	8	Pass
	Mid Channel 6, 2437 MHz	-2.97	-15.2	0.6	-17.6	8	Pass
	High Channel 11, 2462 MHz	-3.103	-15.2	0.6	-17.7	8	Pass
	VHT20, MCS0						
	Low Channel 1, 2412 MHz	-3.169	-15.2	0.6	-17.8	8	Pass
	Mid Channel 6, 2437 MHz	-3.179	-15.2	0.6	-17.8	8	Pass
	High Channel 11, 2462 MHz	-3.743	-15.2	0.6	-18.3	8	Pass
	VHT20, MCS8						
	Low Channel 1, 2412 MHz	-3.194	-15.2	0.6	-17.8	8	Pass
	Mid Channel 6, 2437 MHz	-2.971	-15.2	0.6	-17.6	8	Pass
	High Channel 11, 2462 MHz	-3.195	-15.2	0.6	-17.8	8	Pass
	HE20, MCS0						
	Low Channel 1, 2412 MHz	-4.458	-15.2	0.6	-19.1	8	Pass
	Mid Channel 6, 2437 MHz	-4.58	-15.2	0.6	-19.2	8	Pass
	High Channel 11, 2462 MHz	-4.992	-15.2	0.6	-19.6	8	Pass
	HE20, MCS11						
	Low Channel 1, 2412 MHz	-4.488	-15.2	0.6	-19.1	8	Pass
	Mid Channel 6, 2437 MHz	-4.308	-15.2	0.6	-18.9	8	Pass
	High Channel 11, 2462 MHz	-5.448	-15.2	0.6	-20.0	8	Pass

POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, CCK, 1 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	2.204	-15.2	2	-11.0	8	Pass

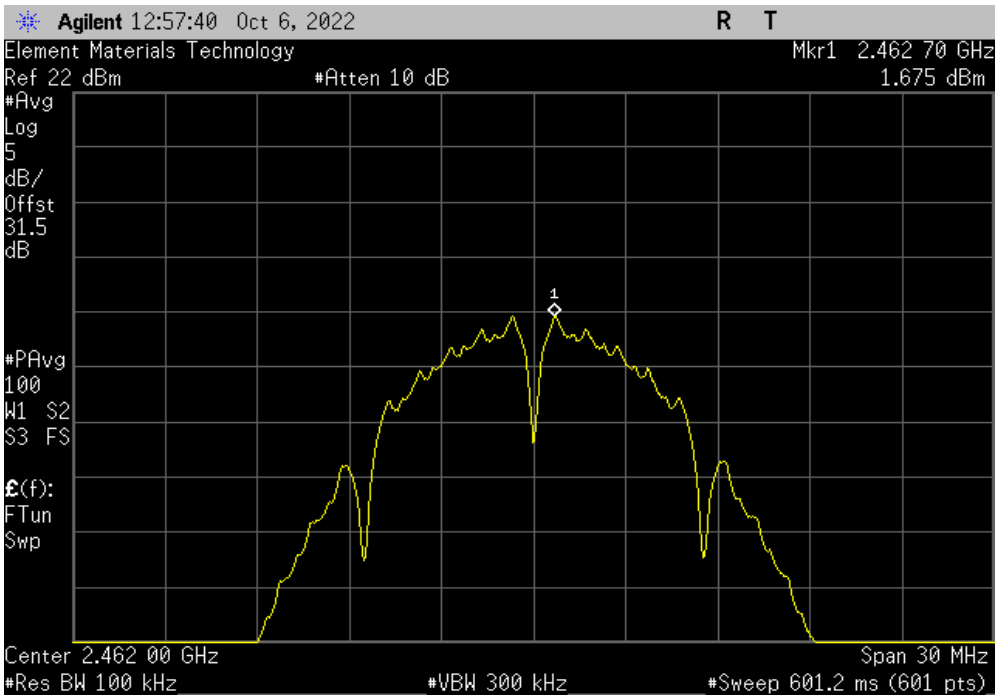


Chain 1, CCK, 1 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	1.936	-15.2	2	-11.3	8	Pass

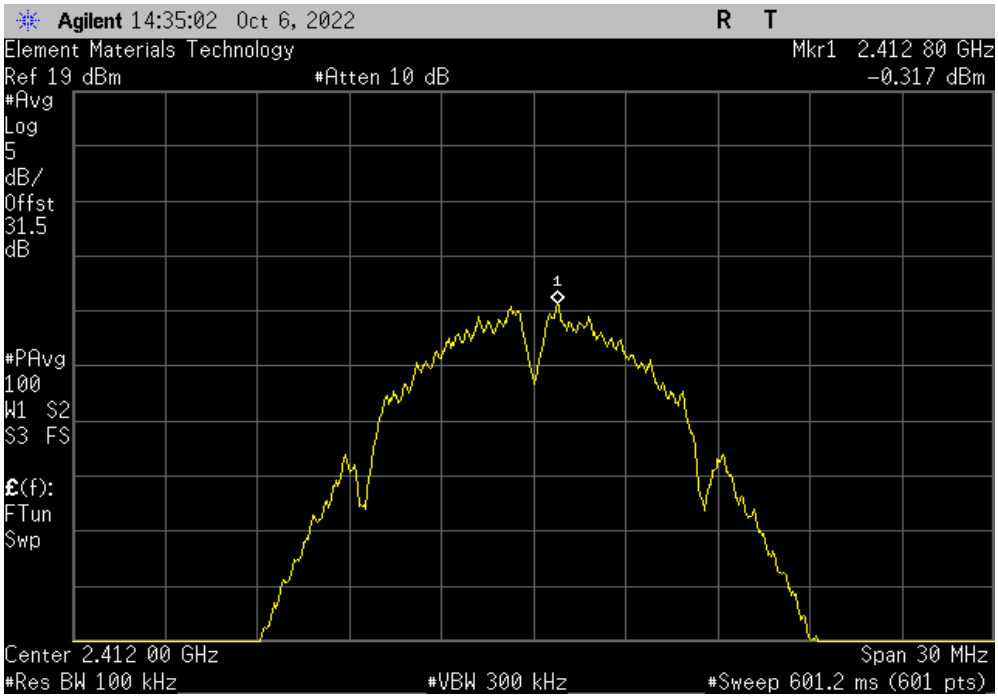


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, CCK, 1 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	1.675	-15.2	2	-11.5	8	Pass

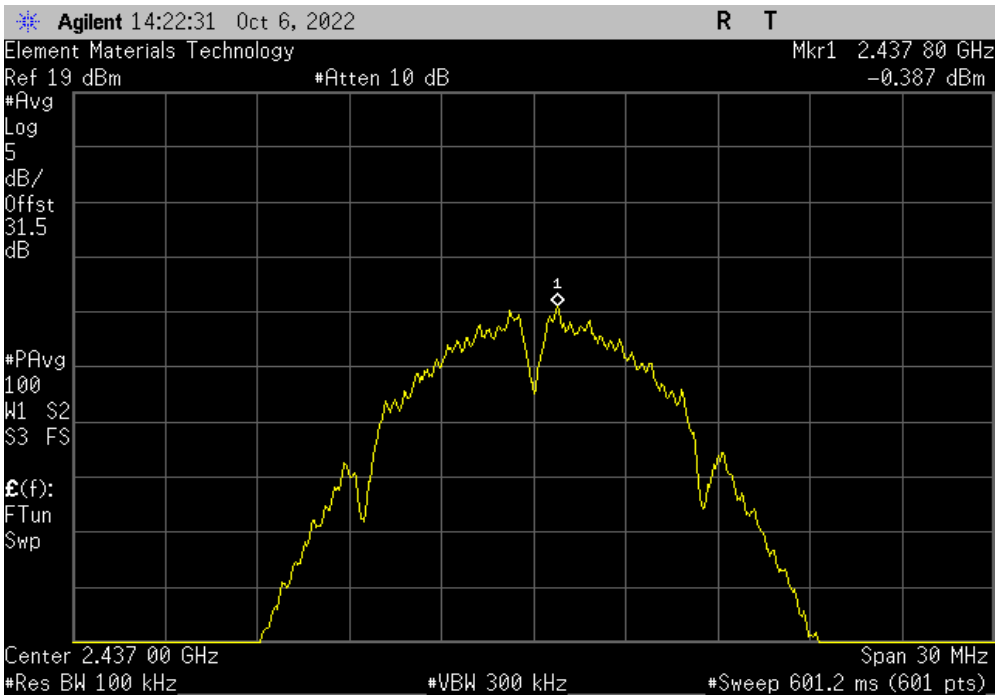


Chain 1, CCK, 11 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.317	-15.2	4.8	-10.7	8	Pass

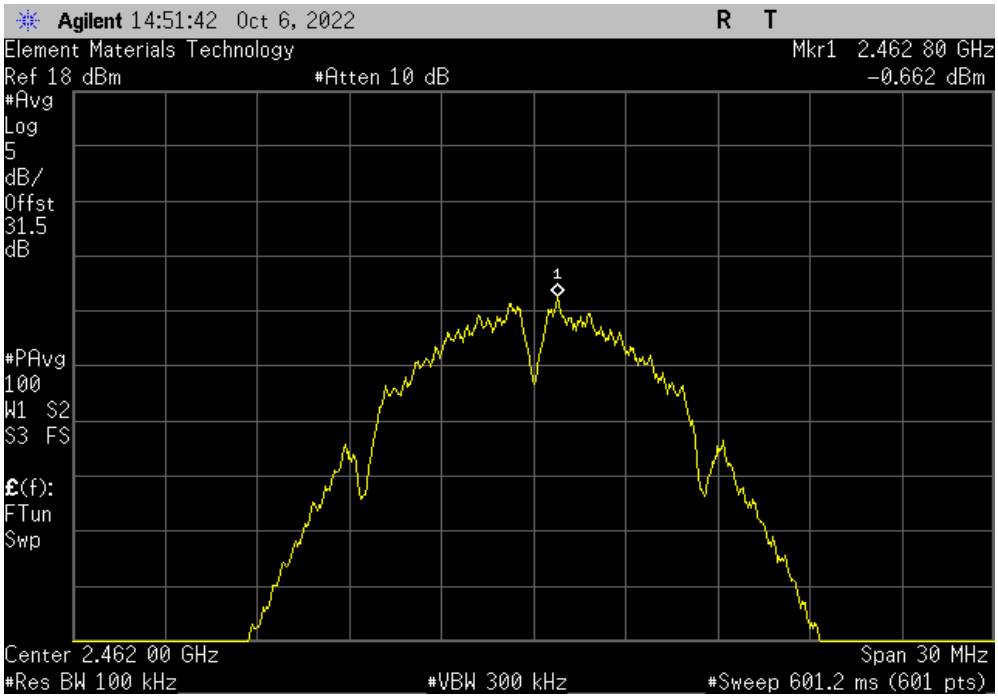


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, CCK, 11 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.387	-15.2	4.8	-10.8	8	Pass

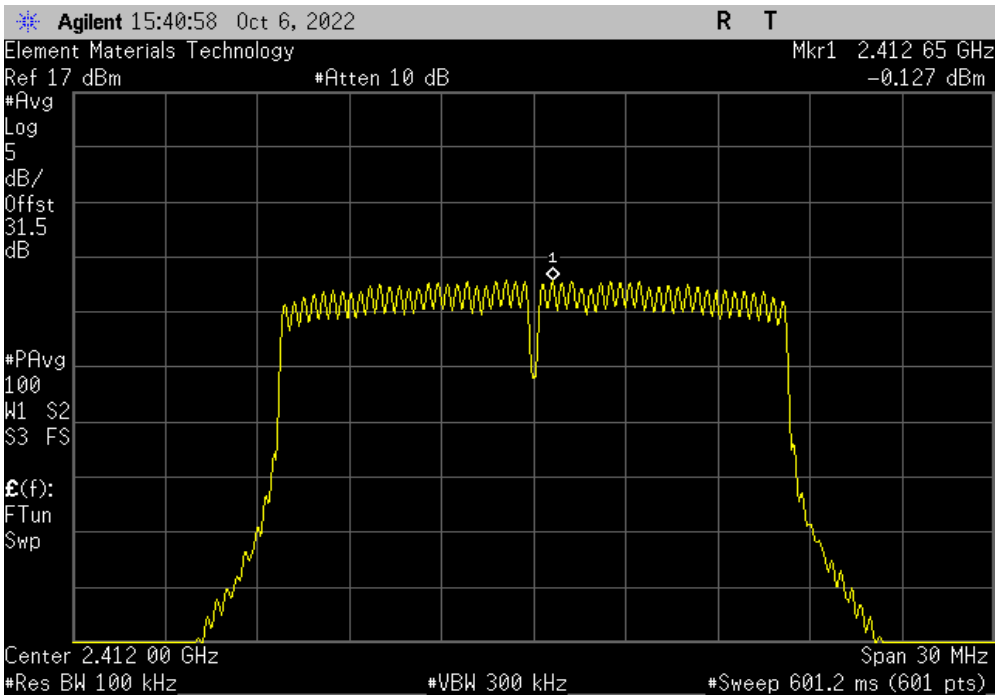


Chain 1, CCK, 11 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.662	-15.2	4.8	-11.1	8	Pass

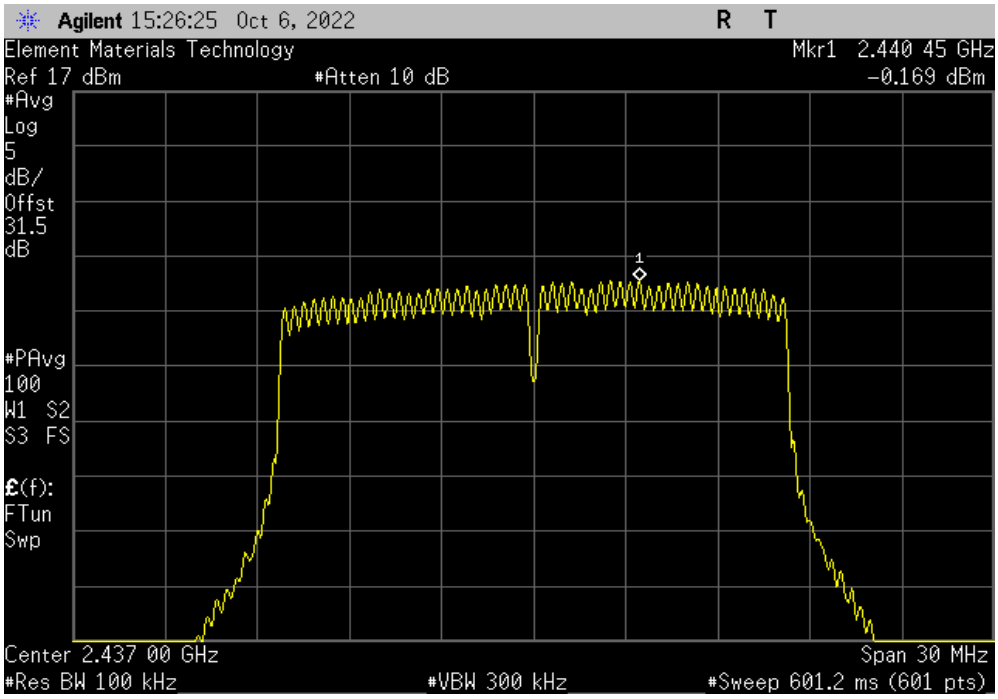


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, Legacy OFDM, 6 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.127	-15.2	0.4	-14.9	8	Pass

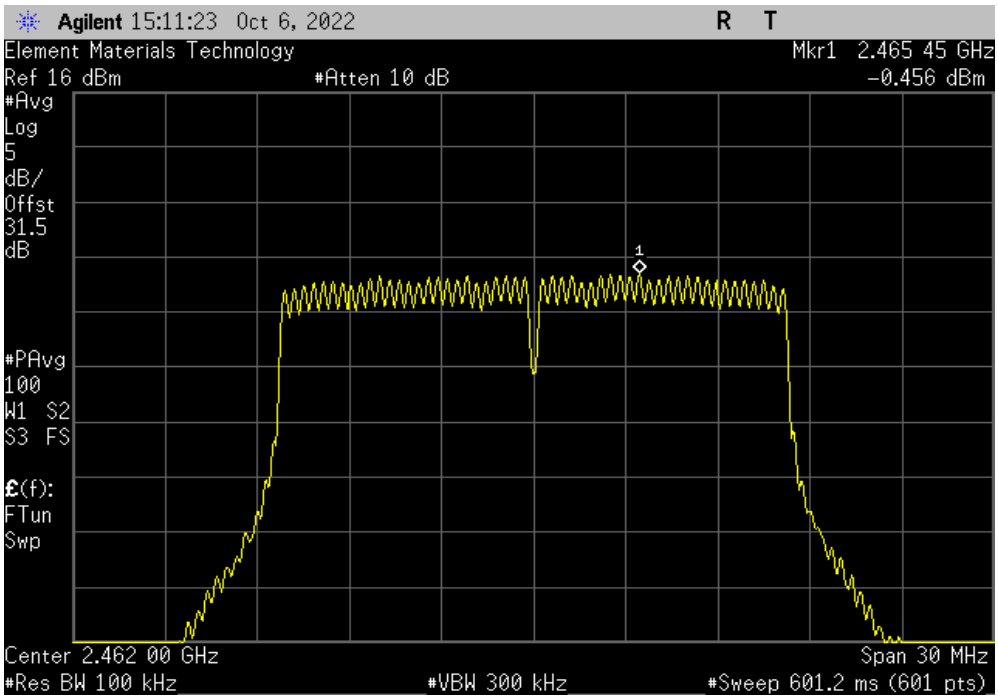


Chain 1, Legacy OFDM, 6 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.169	-15.2	0.4	-15	8	Pass

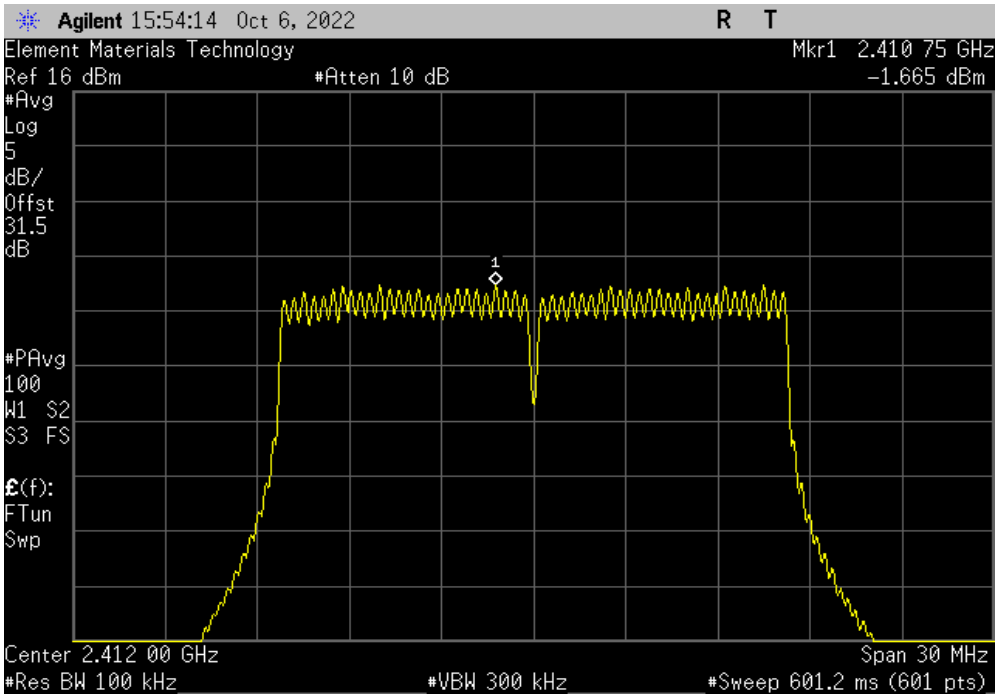


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, Legacy OFDM, 6 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-0.456	-15.2	0.4	-15.3	8	Pass

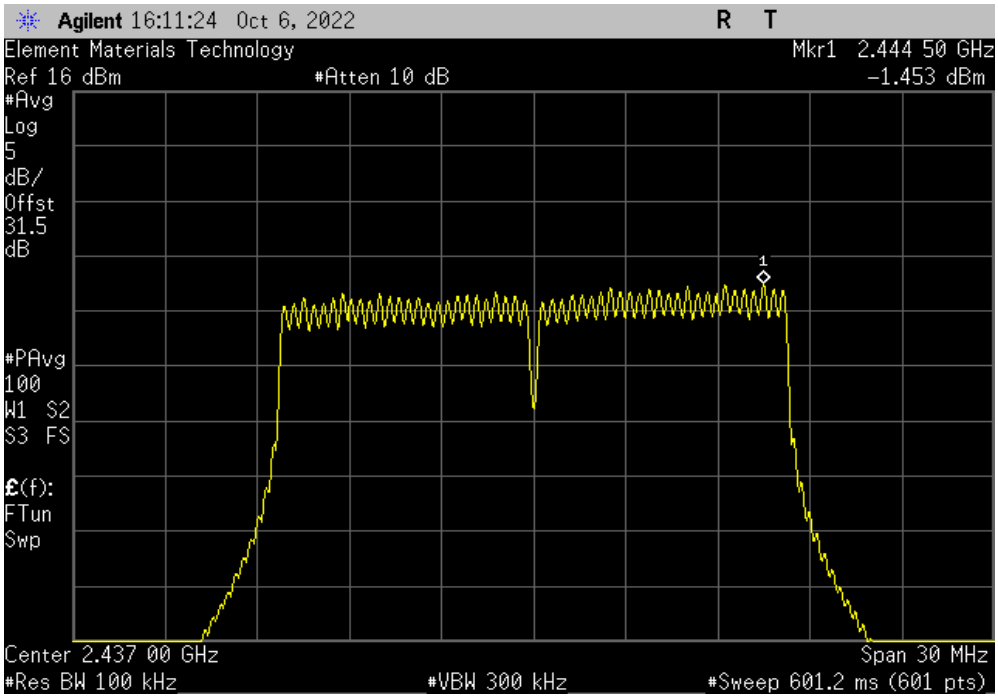


Chain 1, Legacy OFDM, 36 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-1.665	-15.2	2.3	-14.6	8	Pass

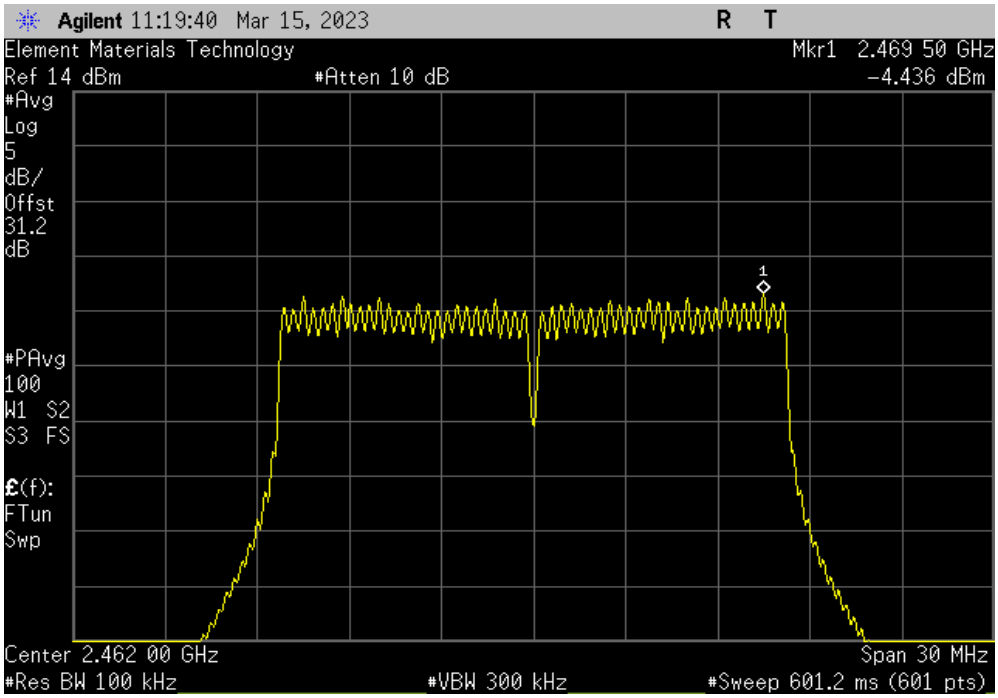


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, Legacy OFDM, 36 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-1.453	-15.2	2.3	-14.4	8	Pass

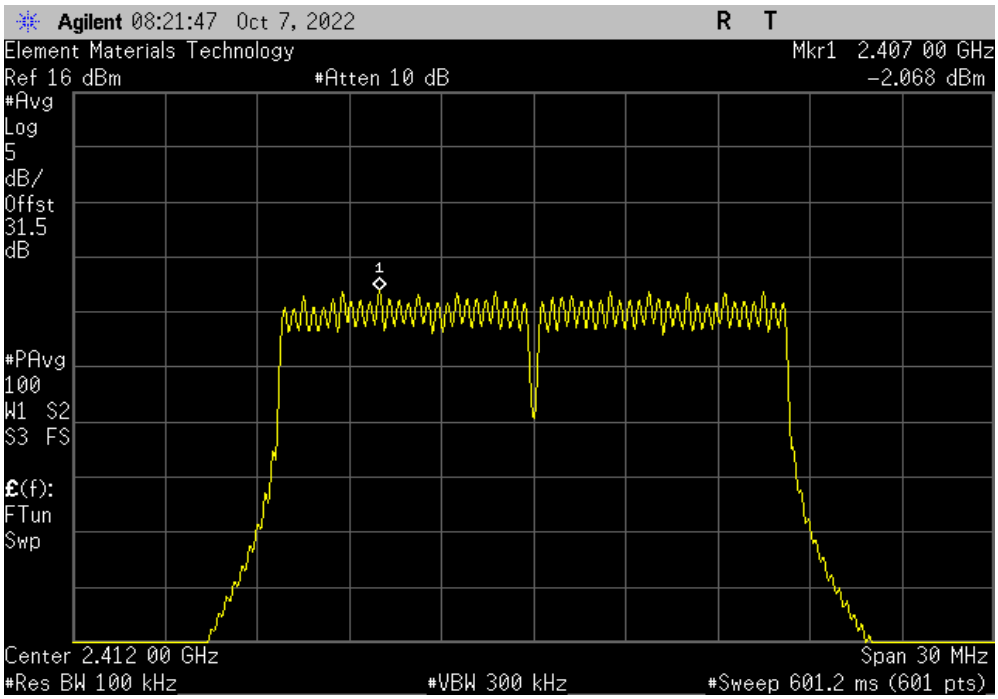


Chain 1, Legacy OFDM, 36 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-4.436	-15.2	2.3	-17.3	8	Pass

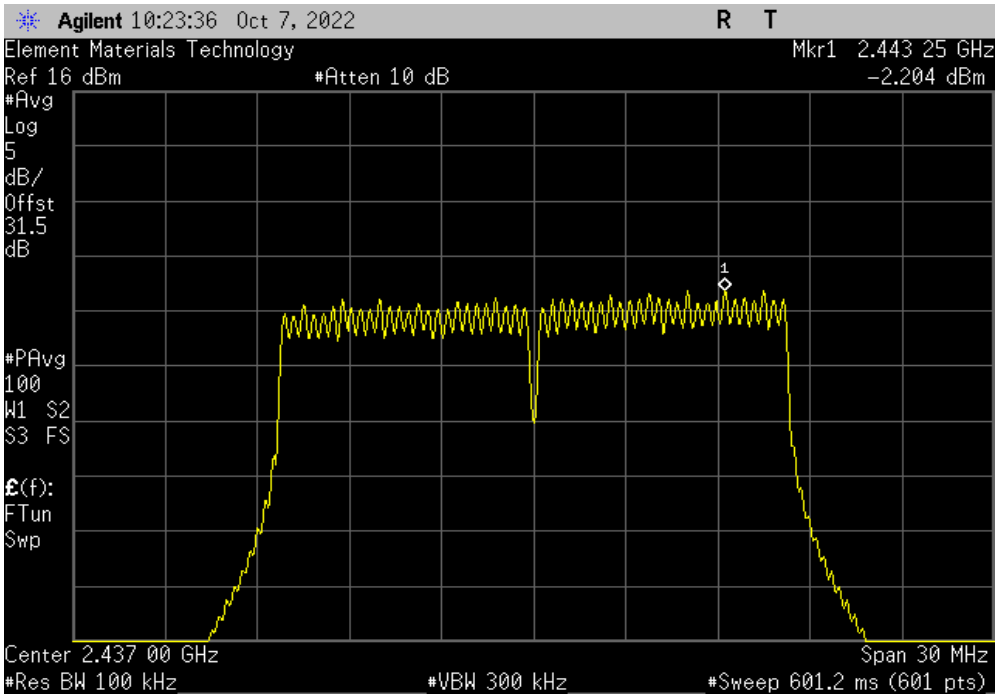


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, Legacy OFDM, 54 Mbps, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.068	-15.2	3.2	-14.1	8	Pass

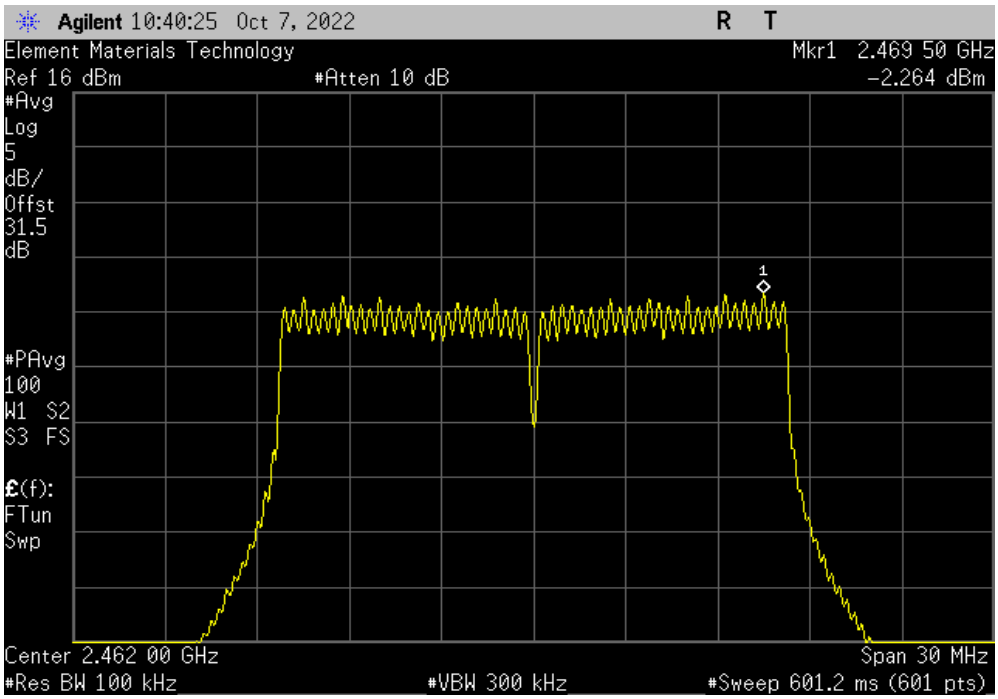


Chain 1, Legacy OFDM, 54 Mbps, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.204	-15.2	3.2	-14.2	8	Pass

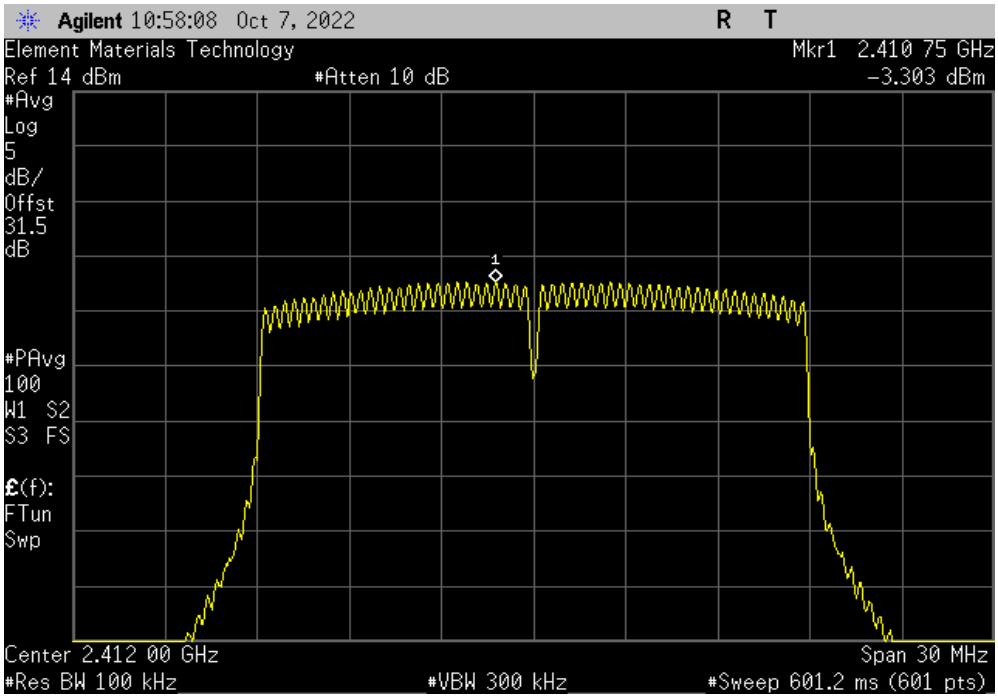


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, Legacy OFDM, 54 Mbps, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.264	-15.2	3.2	-14.3	8	Pass

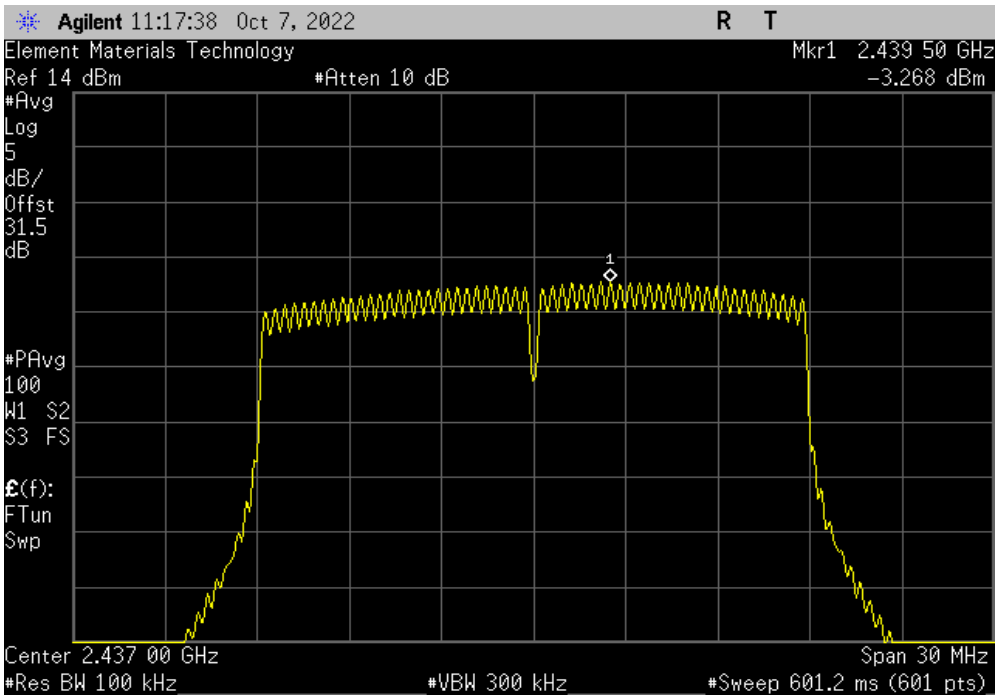


Chain 1, HT20, MCS0, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.303	-15.2	0.6	-17.9	8	Pass

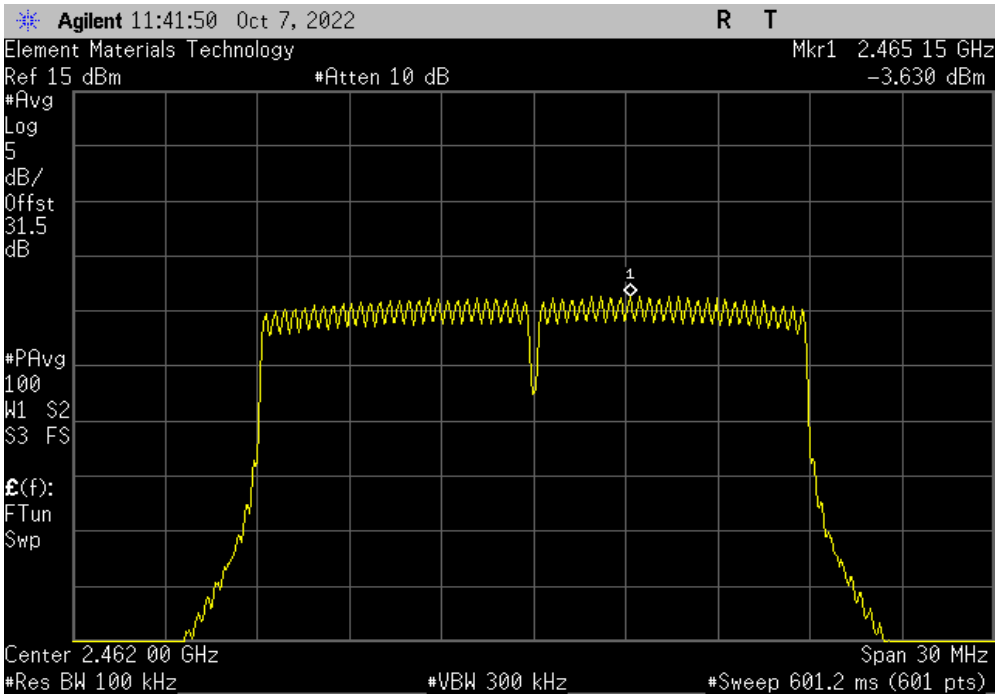


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, HT20, MCS0, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.268	-15.2	0.6	-17.9	8	Pass

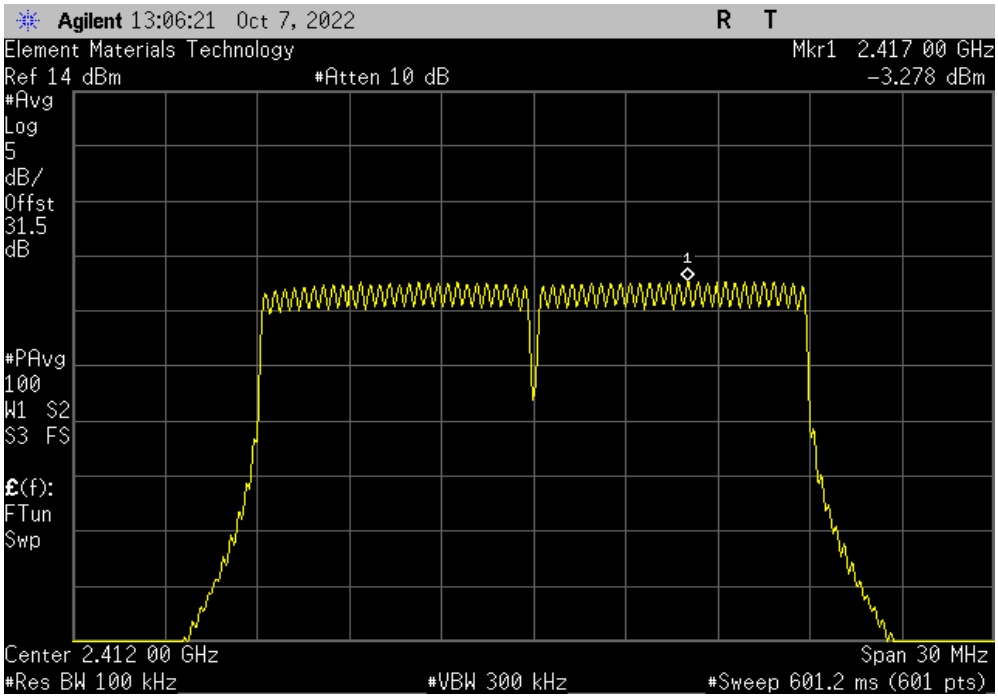


Chain 1, HT20, MCS0, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.63	-15.2	0.6	-18.2	8	Pass

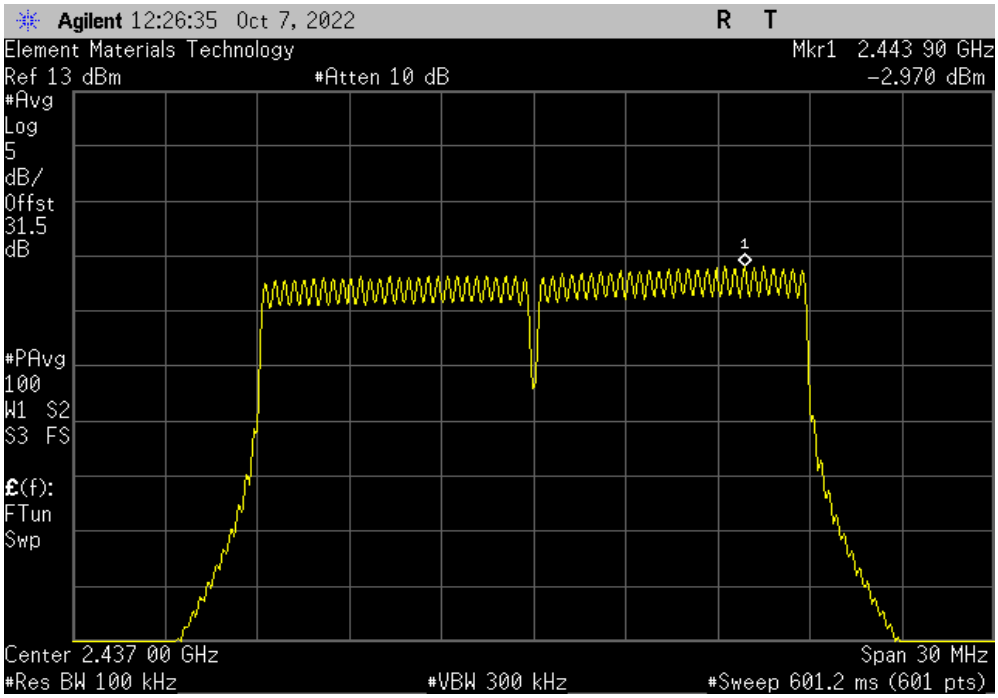


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, HT20, MCS7, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.278	-15.2	0.6	-17.9	8	Pass

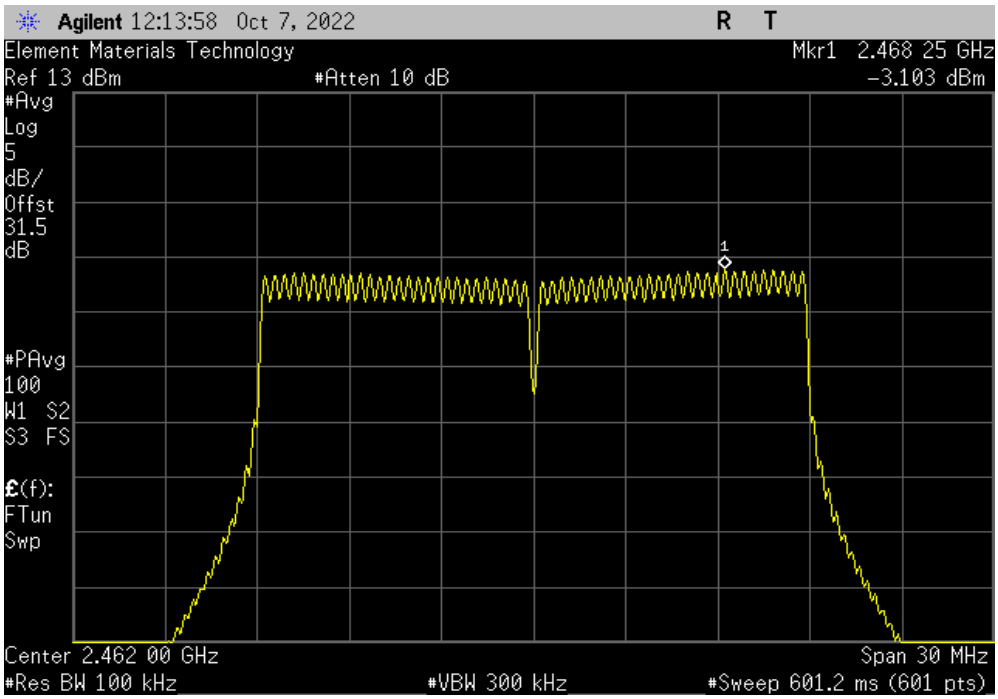


Chain 1, HT20, MCS7, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.97	-15.2	0.6	-17.6	8	Pass

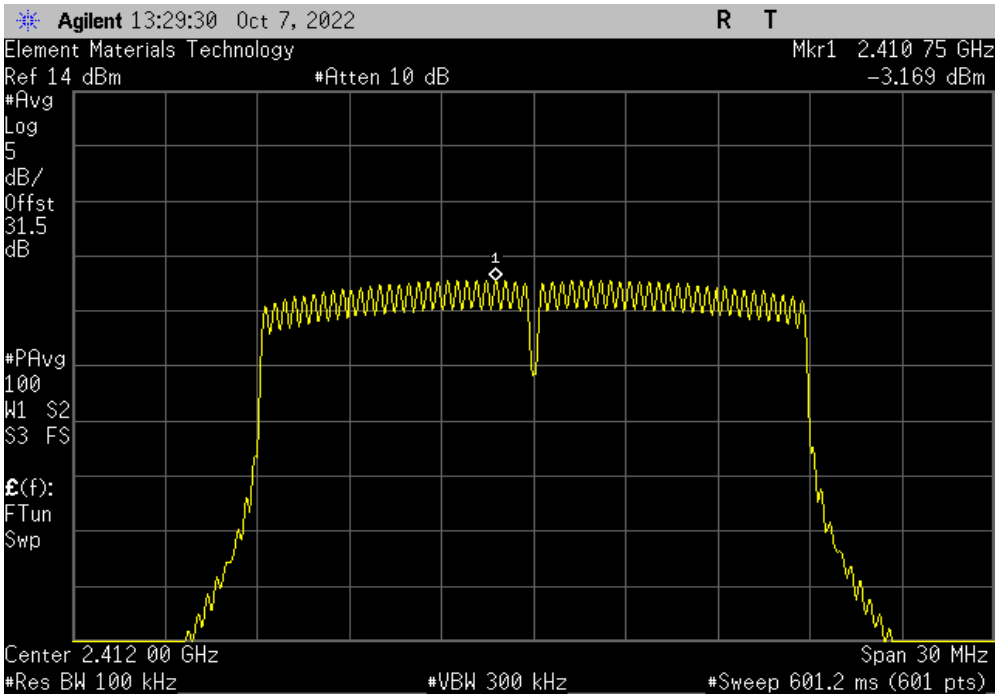


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, HT20, MCS7, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.103	-15.2	0.6	-17.7	8	Pass

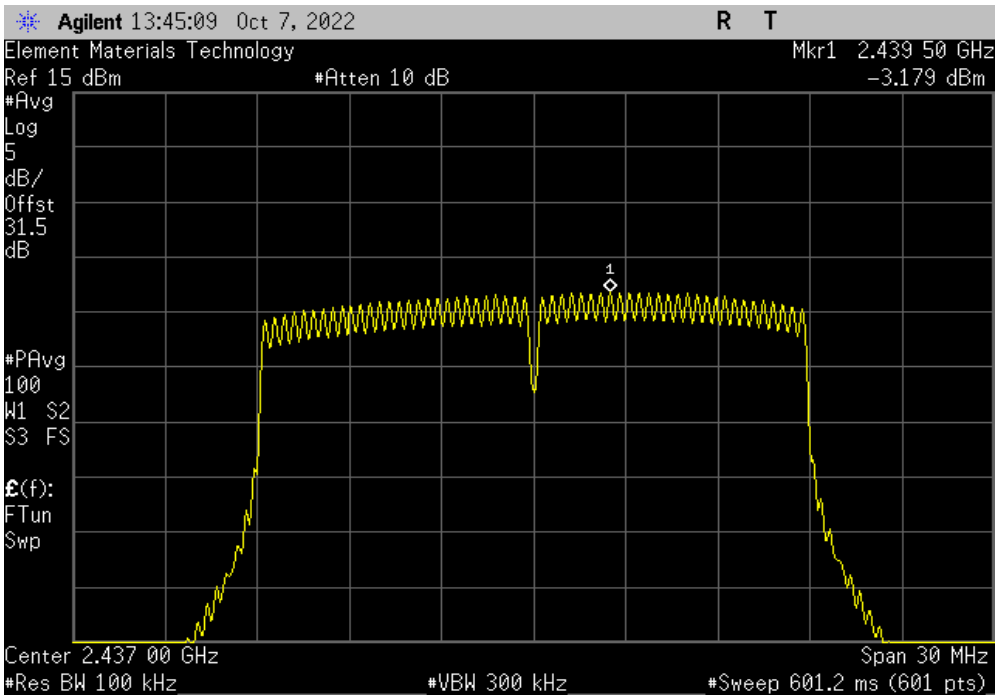


Chain 1, VHT20, MCS0, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.169	-15.2	0.6	-17.8	8	Pass

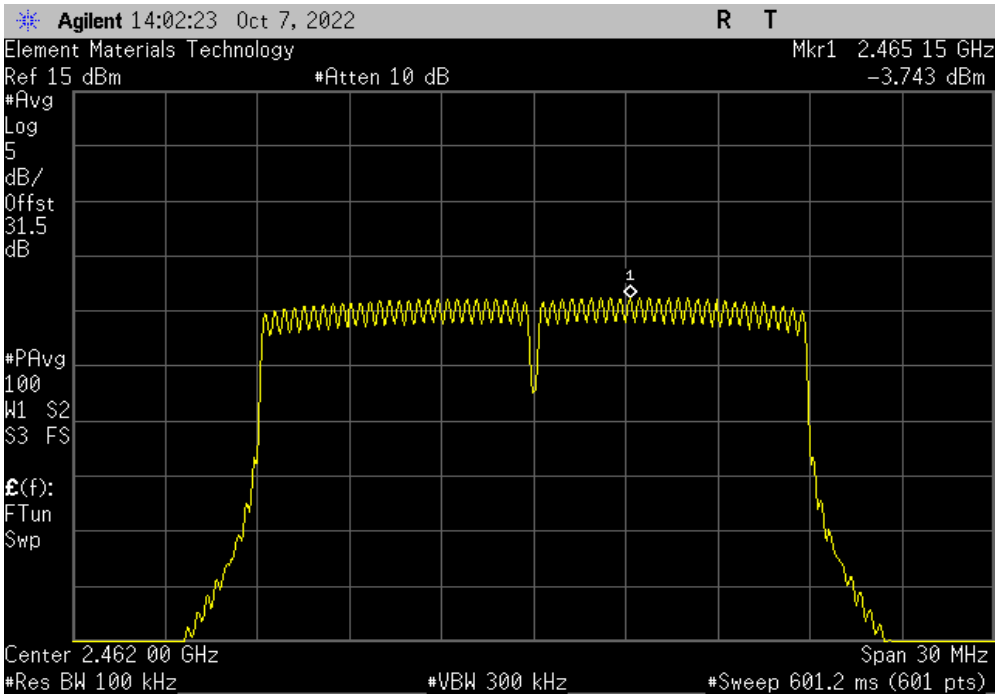


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, VHT20, MCS0, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.179	-15.2	0.6	-17.8	8	Pass

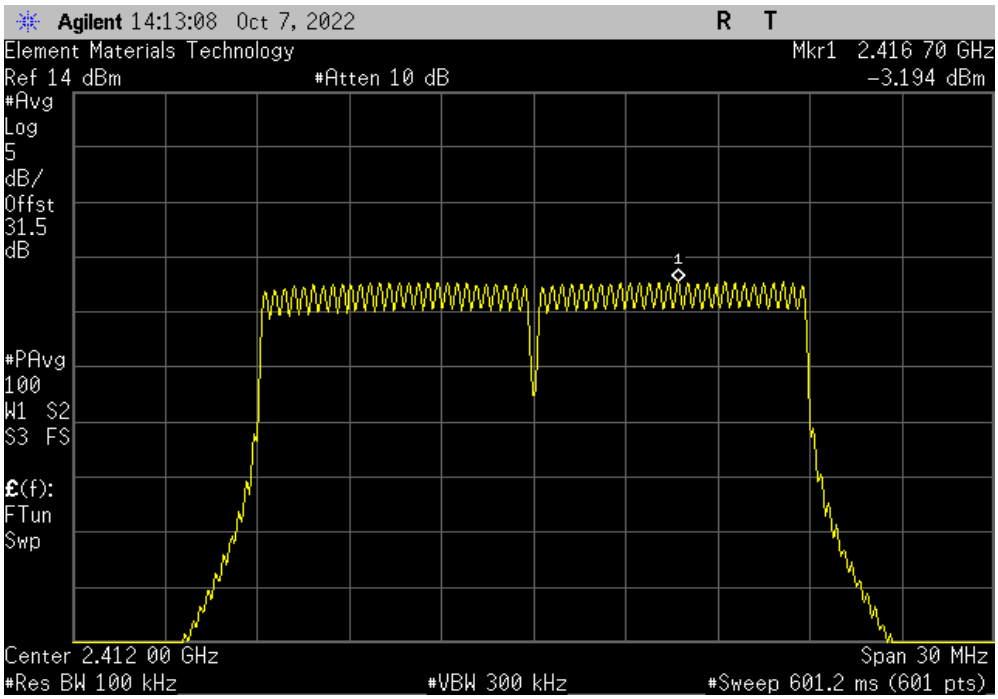


Chain 1, VHT20, MCS0, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.743	-15.2	0.6	-18.3	8	Pass

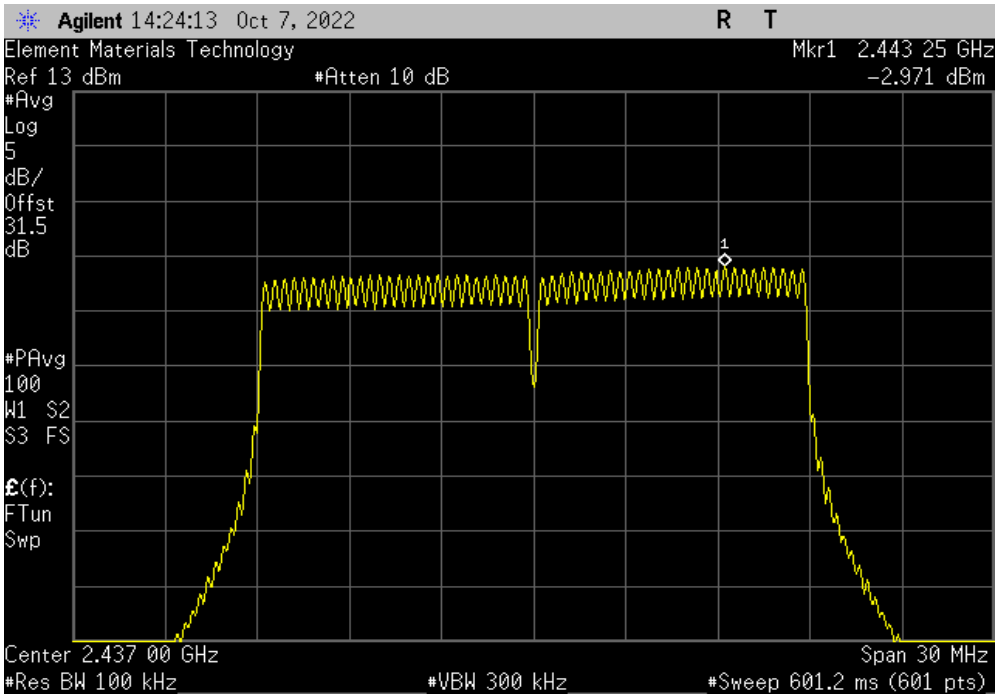


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, VHT20, MCS8, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.194	-15.2	0.6	-17.8	8	Pass

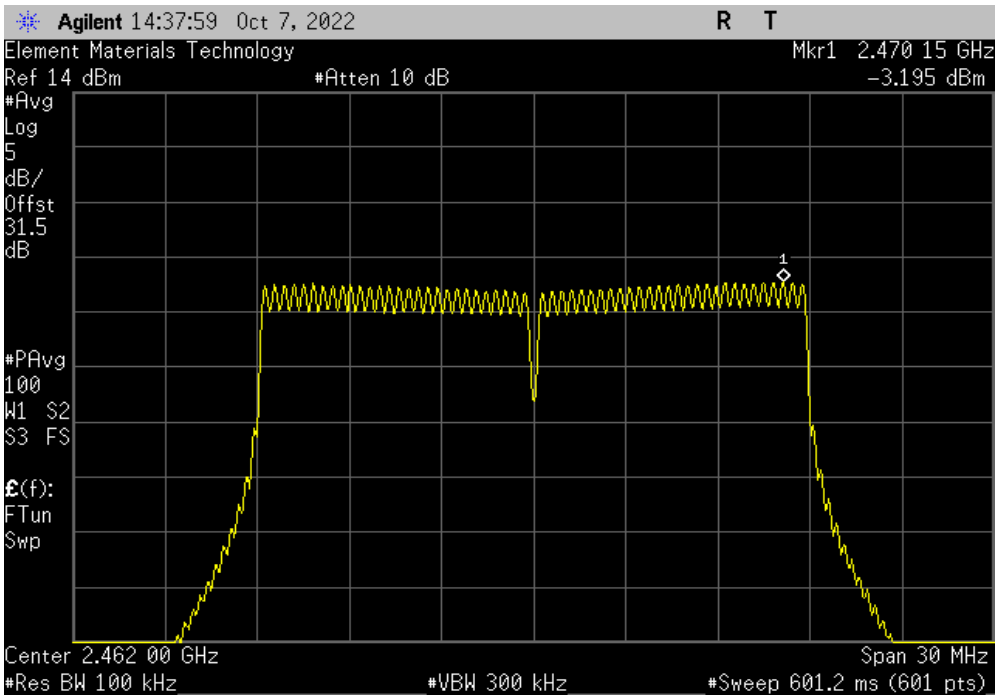


Chain 1, VHT20, MCS8, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-2.971	-15.2	0.6	-17.6	8	Pass

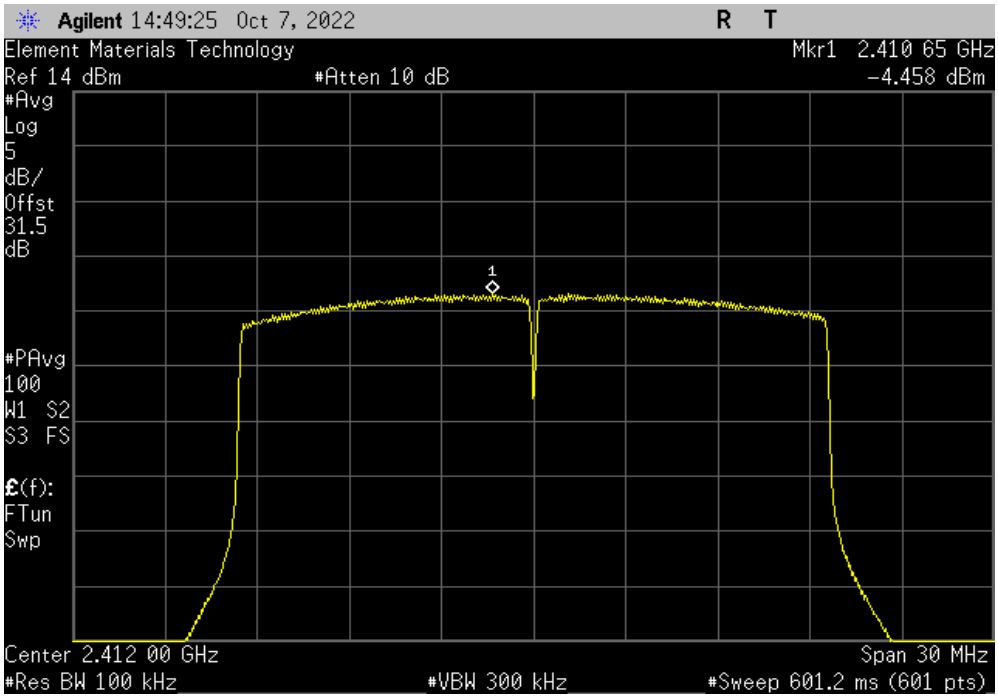


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, VHT20, MCS8, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-3.195	-15.2	0.6	-17.8	8	Pass

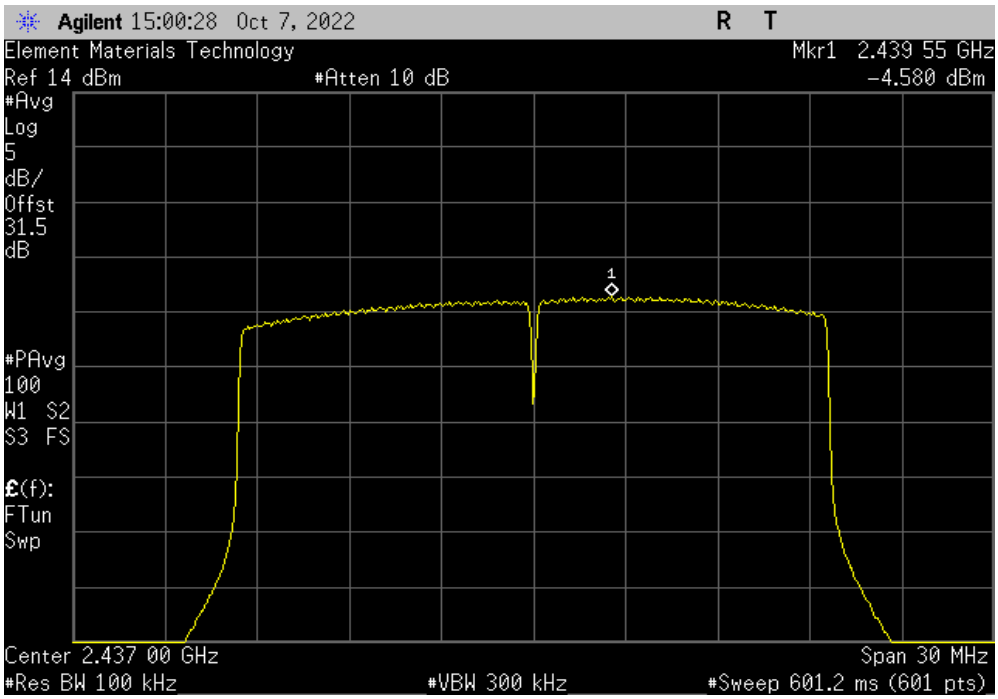


Chain 1, HE20, MCS0, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-4.458	-15.2	0.6	-19.1	8	Pass

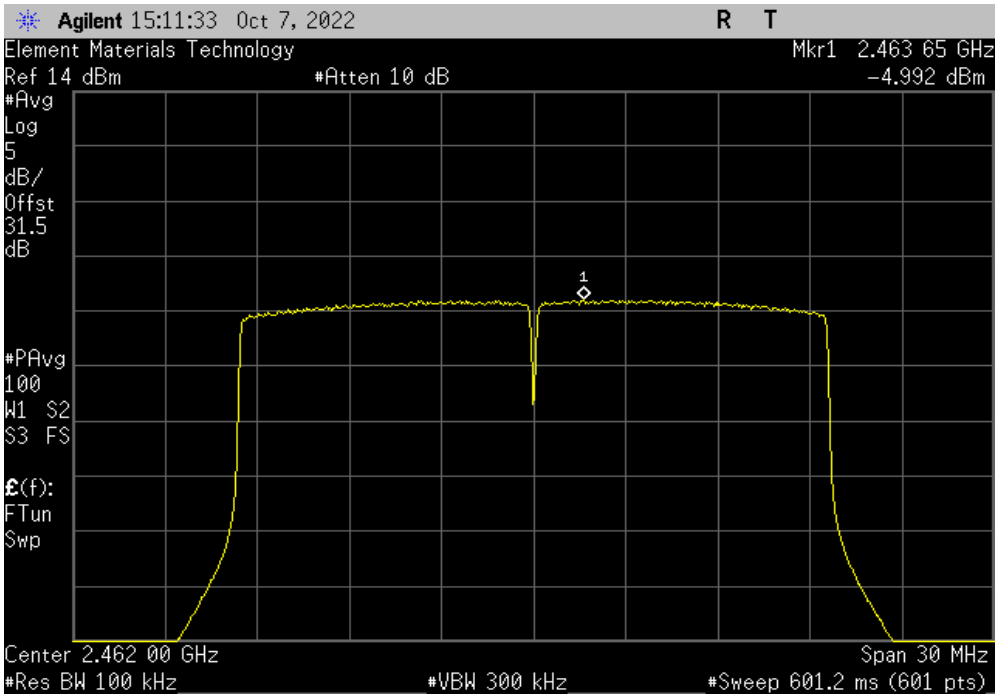


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, HE20, MCS0, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-4.58	-15.2	0.6	-19.2	8	Pass

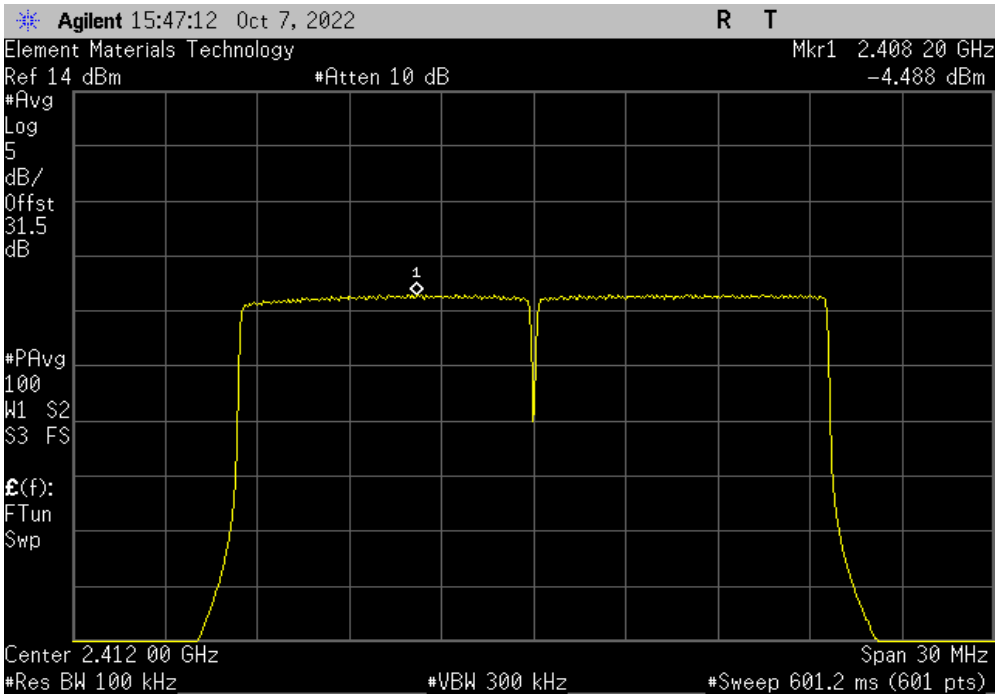


Chain 1, HE20, MCS0, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-4.992	-15.2	0.6	-19.6	8	Pass

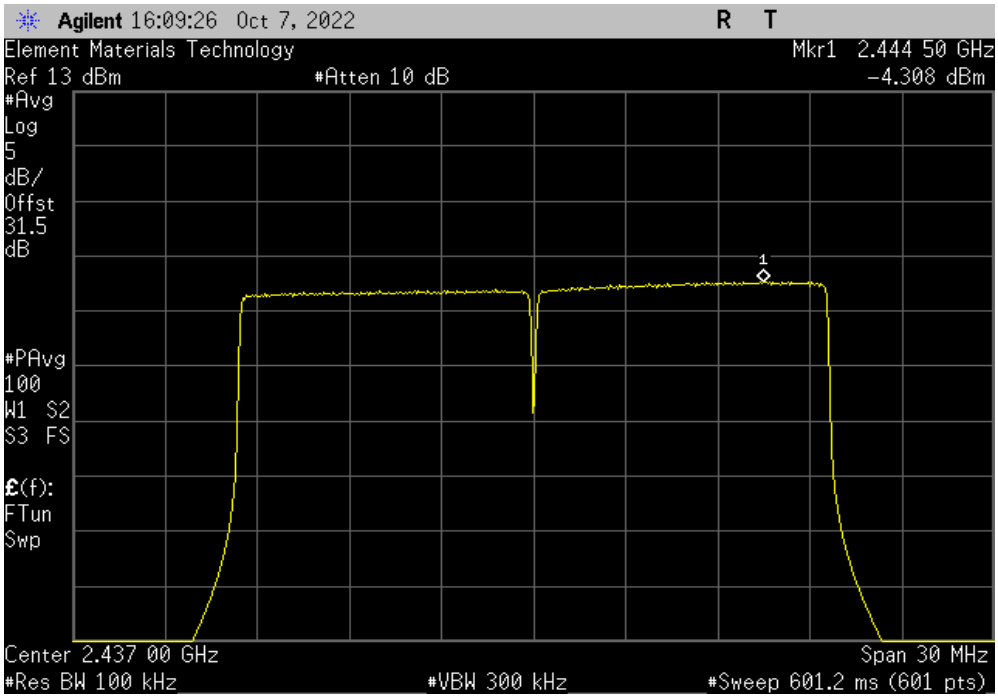


POWER SPECTRAL DENSITY - CHAIN 1

Chain 1, HE20, MCS11, Low Channel 1, 2412 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-4.488	-15.2	0.6	-19.1	8	Pass



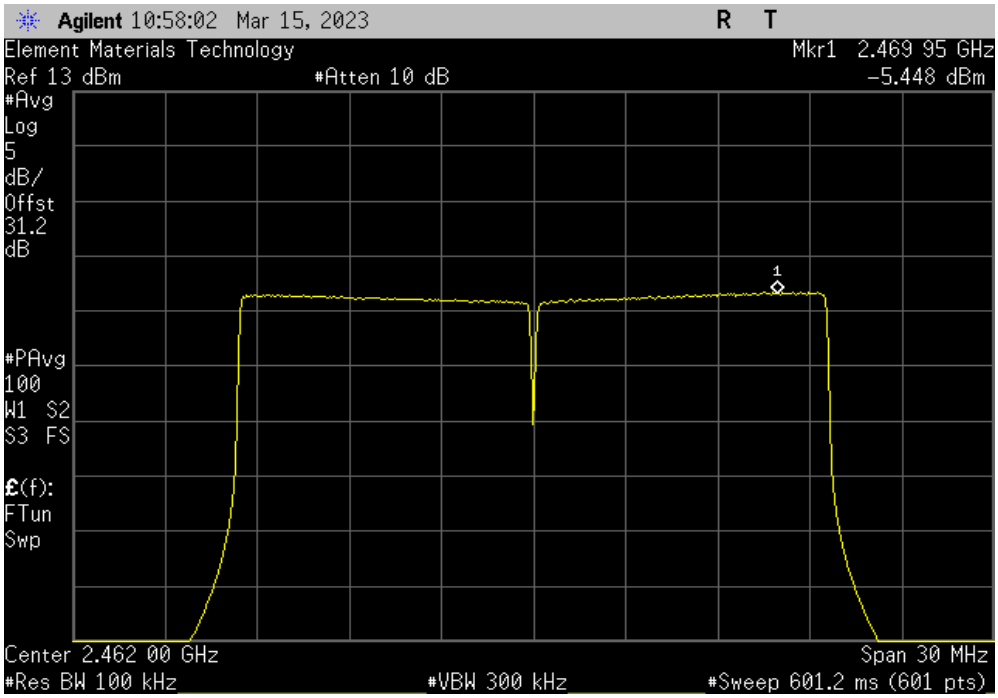
Chain 1, HE20, MCS11, Mid Channel 6, 2437 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-4.308	-15.2	0.6	-18.9	8	Pass



POWER SPECTRAL DENSITY - CHAIN 1

TbtTx 2022.06.03.0 XMit 2023.02.14.0

Chain 1, HE20, MCS11, High Channel 11, 2462 MHz						
	Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
	-5.448	-15.2	0.6	-20.0	8	Pass



POWER SPECTRAL DENSITY - MIMO

XMit 2022.12.28.0

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 - 2023

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Generator - Signal	Keysight	N5182B	TFU	2022-12-02	2024-12-02
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2022-12-02	2023-12-02
Attenuator	S.M. Electronics	SA26B-20	AUY	2023-03-13	2024-03-13
Block - DC	Fairview Microwave	SD3379	AMW	2023-03-13	2024-03-13
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2023-02-06	2024-02-06

TEST EQUIPMENT - 2022

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Keysight	N5182B	TFU	2020-11-20	2022-11-20
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2021-12-05	2022-12-05
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Attenuator	S.M. Electronics	SA26B-20	AUY	2022-03-15	2023-03-15
Block - DC	Fairview Microwave	SD3379	AMW	2022-03-14	2023-03-14
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2022-01-26	2023-01-26

TEST DESCRIPTION

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

The power spectral density was measured using the channels and modes as called out in the following data sheets.

The method AVGPSD-2 in clause 11.10.5 of ANSI C63.10:2013 was used to make the measurement. This method uses trace averaging and RMS detection across the ON and OFF times of the transmission. The analyzer was configured to the following settings:

Span = at least 1.5 * OBW
RBW = 100 kHz
VBW = 300 kHz
Detector = RMS
Sweep = 601 mS
Points = 601

The peak marker function was used to determine the maximum amplitude level. An additional [10*log(1 / D)], where D is the duty cycle was added to the peak marker to compute the average PSD during the actual transmission time.
The resultant value was corrected to the reference bandwidth of 3 kHz using a correction factor of -15.2 dB, and compared to the limit.

dBm/100kHz To dBm/3kHz = 10*log(Ref. RBW / Meas. Bandwidth) = 10*log(3 kHz / 100 kHz) = -15.2 dB

POWER SPECTRAL DENSITY - MIMO

element

TbtTx 2022.06.03.0 XMit 2023.02.14.0

EUT:	**U8 Hawk**			**Work Order:**	**KYME0068**
Serial Number:	**See configuration**			**Date:**	**03/15/23**
Customer:	**Kymeta Corp.**			**Temperature:**	**20.5°C**
Attendees:	**Dean Busch and Mike Olsen**			**Humidity:**	**39.9%**
Project:	**None**			**Barometric Pres.:**	**1006 mbar**
Tested by:	**Jeff Alcoke**	**Power:**	**12VDC**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	**Test Method**
FCC 15.247:2022	ANSI C63.10:2013
RSS-247 Issue 2:2017	ANSI C63.10:2013

COMMENTS

All measurements collected before 2023, were performed on configuration KYME0068-1. Reference level offset includes: DC block, 30 dB attenuation, and measurement cable.

Per FCC KDB 662911 Section E), 2), c), the summed PSD value is calculated by adding the value of 10*LOG(Number of Antennas) dB or 3.0 dB to each of the single port measurements while operating in MIMO mode. The port not being measured is terminated with a 50 Ohm terminator.

DEVIATIONS FROM TEST STANDARD

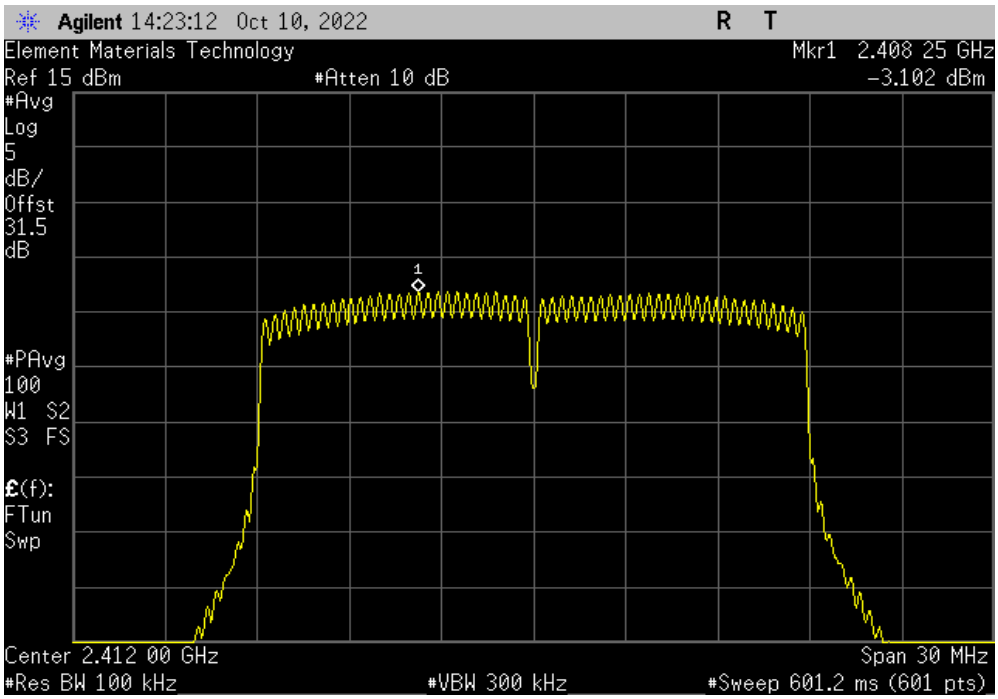
None

Configuration #	**KYME0068-1** **KYME0068-5**	*Signature*

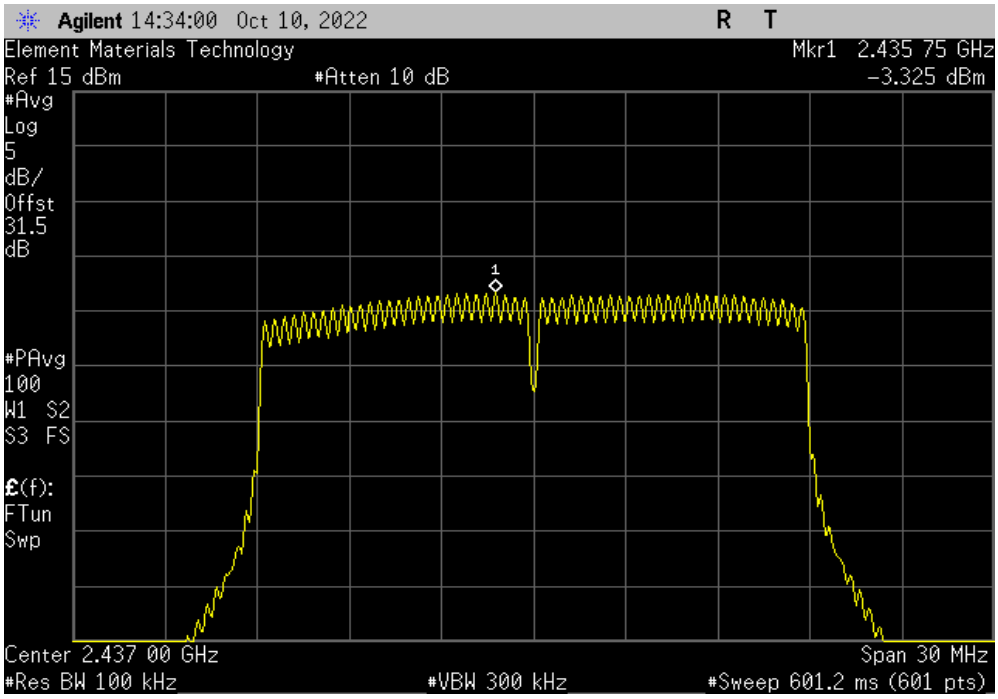
		Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
MIMO - Chain 0								
	HT20, MCS8							
	Low Channel 1, 2412 MHz	-3.102	-15.2	0.6	3	-14.7	8	Pass
	Mid Channel 6, 2437 MHz	-3.325	-15.2	0.6	3	-14.9	8	Pass
	High Channel 11, 2462 MHz	-3.297	-15.2	0.6	3	-14.9	8	Pass
	HT20, MCS15							
	Low Channel 1, 2412 MHz	-3.748	-15.2	0.6	3	-15.3	8	Pass
	Mid Channel 6, 2437 MHz	-4.137	-15.2	0.6	3	-15.7	8	Pass
	High Channel 11, 2462 MHz	-4.421	-15.2	0.6	3	-16.0	8	Pass
	VHT20, MCS0							
	Low Channel 1, 2412 MHz	-2.449	-15.2	0.6	3	-14.0	8	Pass
	Mid Channel 6, 2437 MHz	-3.129	-15.2	0.6	3	-14.7	8	Pass
	High Channel 11, 2462 MHz	-3.292	-15.2	0.6	3	-14.9	8	Pass
	VHT20, MCS8							
	Low Channel 1, 2412 MHz	-2.409	-15.2	0.6	3	-14.0	8	Pass
	Mid Channel 6, 2437 MHz	-2.566	-15.2	0.6	3	-14.2	8	Pass
	High Channel 11, 2462 MHz	-2.978	-15.2	0.6	3	-14.6	8	Pass
	HE20, MCS0							
	Low Channel 1, 2412 MHz	-3.855	-15.2	0.6	3	-15.5	8	Pass
	Mid Channel 6, 2437 MHz	-4.474	-15.2	0.6	3	-16.1	8	Pass
	High Channel 11, 2462 MHz	-4.843	-15.2	0.6	3	-16.4	8	Pass
	HE20, MCS11							
	Low Channel 1, 2412 MHz	-3.57	-15.2	0.6	3	-15.2	8	Pass
	Mid Channel 6, 2437 MHz	-3.72	-15.2	0.6	3	-15.3	8	Pass
	High Channel 11, 2462 MHz	-5.487	-15.2	0.6	3	-17.1	8	Pass
MIMO - Chain 1								
	HT20, MCS8							
	Low Channel 1, 2412 MHz	-3.046	-15.2	0.6	3	-14.6	8	Pass
	Mid Channel 6, 2437 MHz	-3.406	-15.2	0.6	3	-15.0	8	Pass
	High Channel 11, 2462 MHz	-3.307	-15.2	0.6	3	-14.9	8	Pass
	HT20, MCS15							
	Low Channel 1, 2412 MHz	-4.223	-15.2	0.6	3	-15.8	8	Pass
	Mid Channel 6, 2437 MHz	-3.775	-15.2	0.6	3	-15.4	8	Pass
	High Channel 11, 2462 MHz	-4.12	-15.2	0.6	3	-15.7	8	Pass
	VHT20, MCS0							
	Low Channel 1, 2412 MHz	-3.03	-15.2	0.6	3	-14.6	8	Pass
	Mid Channel 6, 2437 MHz	-3.307	-15.2	0.6	3	-14.9	8	Pass
	High Channel 11, 2462 MHz	-3.748	-15.2	0.6	3	-15.3	8	Pass
	VHT20, MCS8							
	Low Channel 1, 2412 MHz	-3.069	-15.2	0.6	3	-14.7	8	Pass
	Mid Channel 6, 2437 MHz	-2.962	-15.2	0.6	3	-14.6	8	Pass
	High Channel 11, 2462 MHz	-3.222	-15.2	0.6	3	-14.8	8	Pass
	HE20, MCS0							
	Low Channel 1, 2412 MHz	-4.416	-15.2	0.6	3	-16.0	8	Pass
	Mid Channel 6, 2437 MHz	-4.589	-15.2	0.6	3	-16.2	8	Pass
	High Channel 11, 2462 MHz	-4.98	-15.2	0.6	3	-16.6	8	Pass
	HE20, MCS11							
	Low Channel 1, 2412 MHz	-4.351	-15.2	0.6	3	-16.0	8	Pass
	Mid Channel 6, 2437 MHz	-4.141	-15.2	0.6	3	-15.7	8	Pass
	High Channel 11, 2462 MHz	-5.362	-15.2	0.6	3	-17.0	8	Pass

POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, HT20, MCS8, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.102	-15.2	0.6	3	-14.7	8	Pass

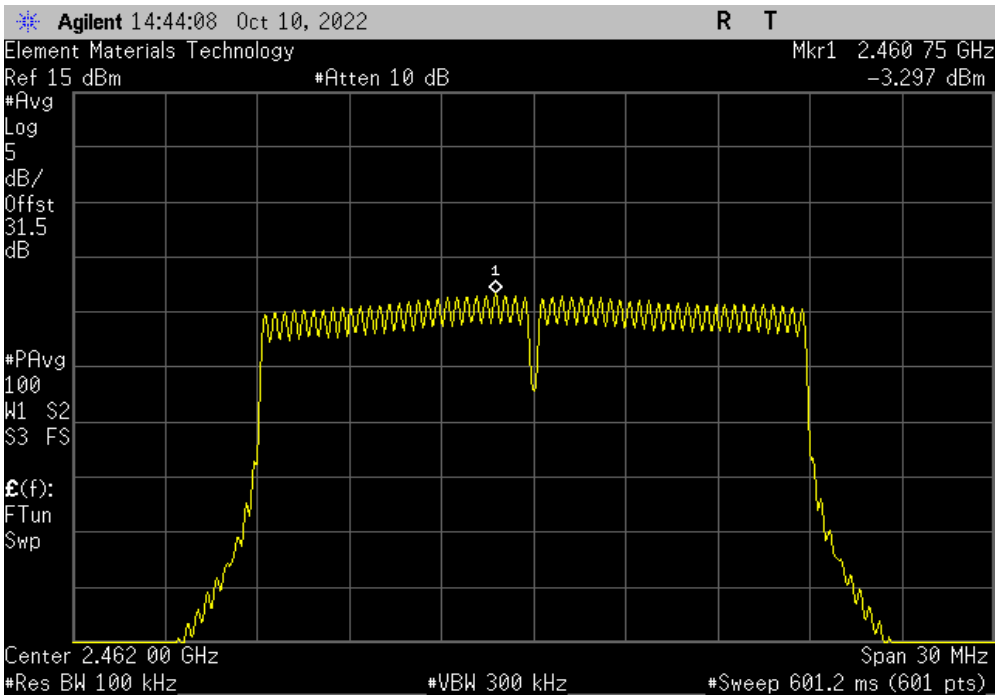


MIMO - Chain 0, HT20, MCS8, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.325	-15.2	0.6	3	-14.9	8	Pass

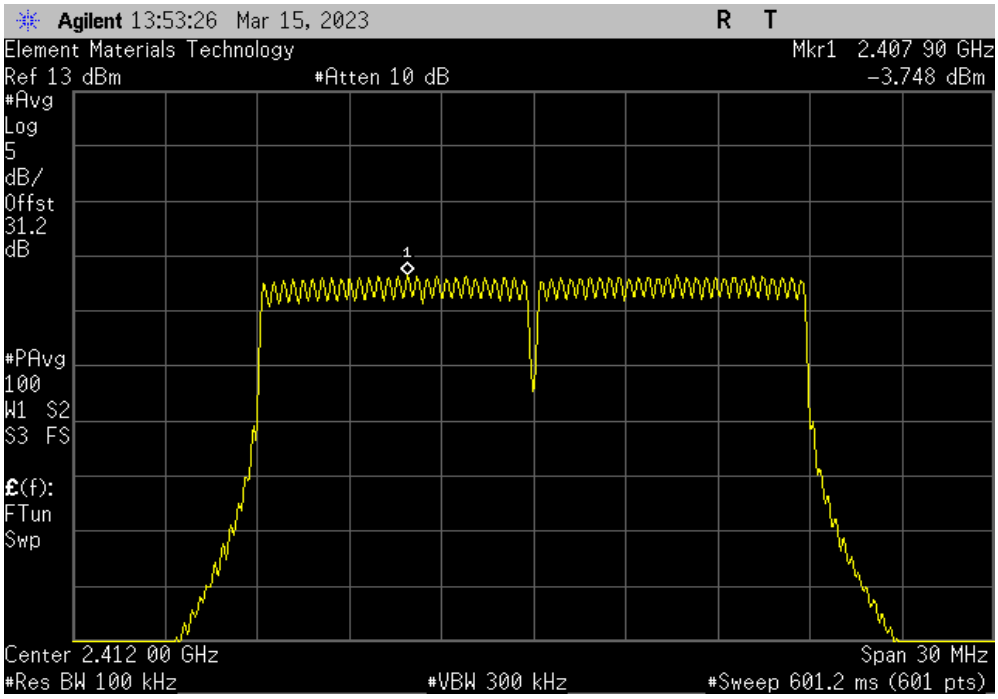


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, HT20, MCS8, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.297	-15.2	0.6	3	-14.9	8	Pass

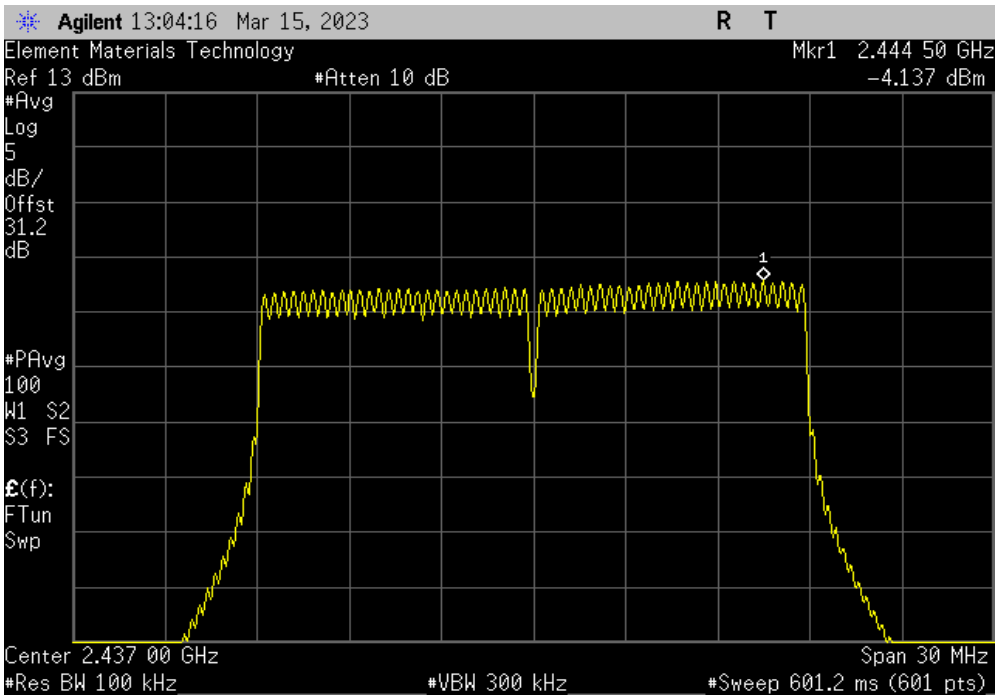


MIMO - Chain 0, HT20, MCS15, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.748	-15.2	0.6	3	-15.3	8	Pass

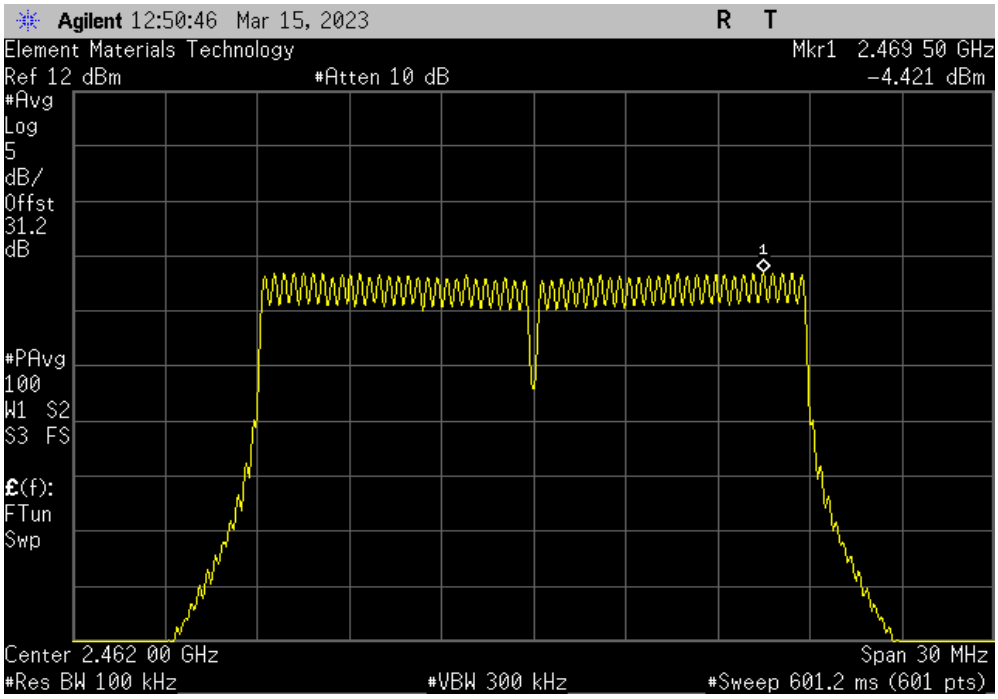


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, HT20, MCS15, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.137	-15.2	0.6	3	-15.7	8	Pass

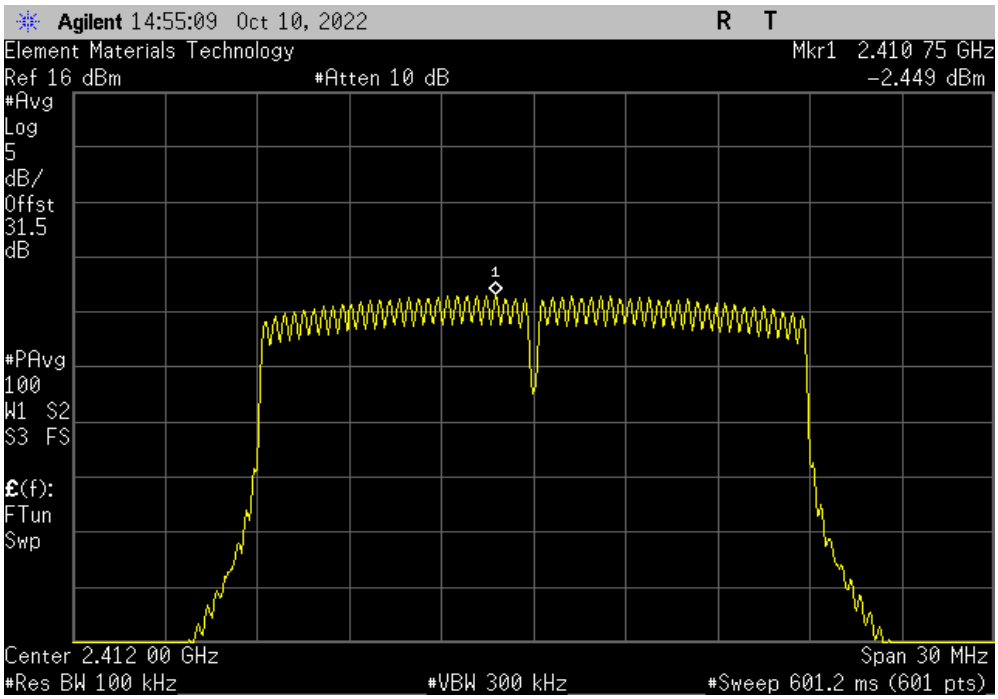


MIMO - Chain 0, HT20, MCS15, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.421	-15.2	0.6	3	-16.0	8	Pass

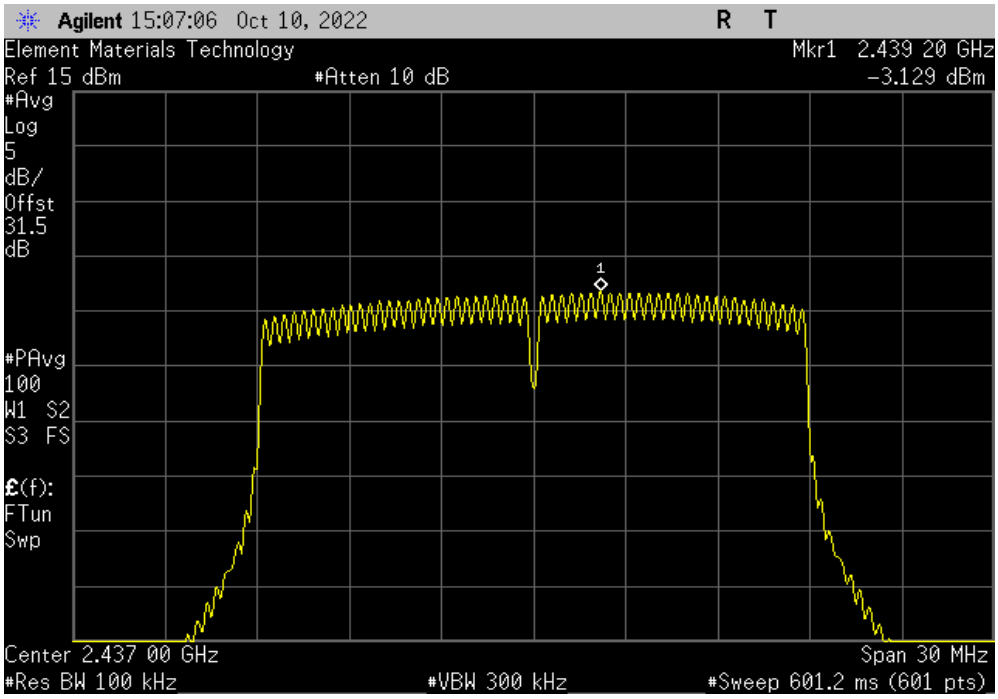


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, VHT20, MCS0, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-2.449	-15.2	0.6	3	-14.0	8	Pass

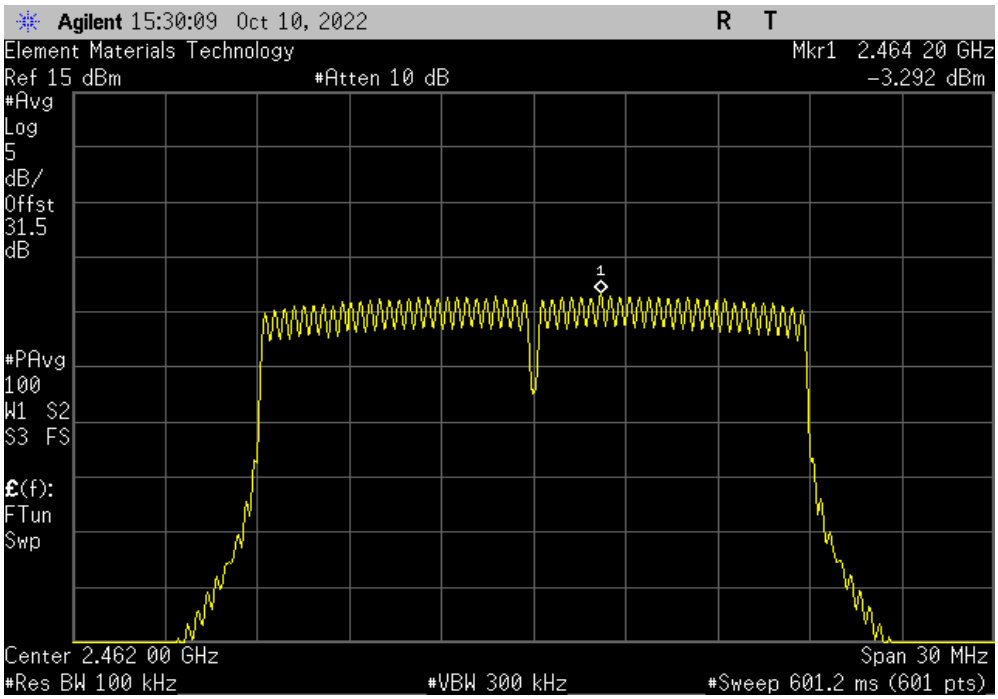


MIMO - Chain 0, VHT20, MCS0, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.129	-15.2	0.6	3	-14.7	8	Pass

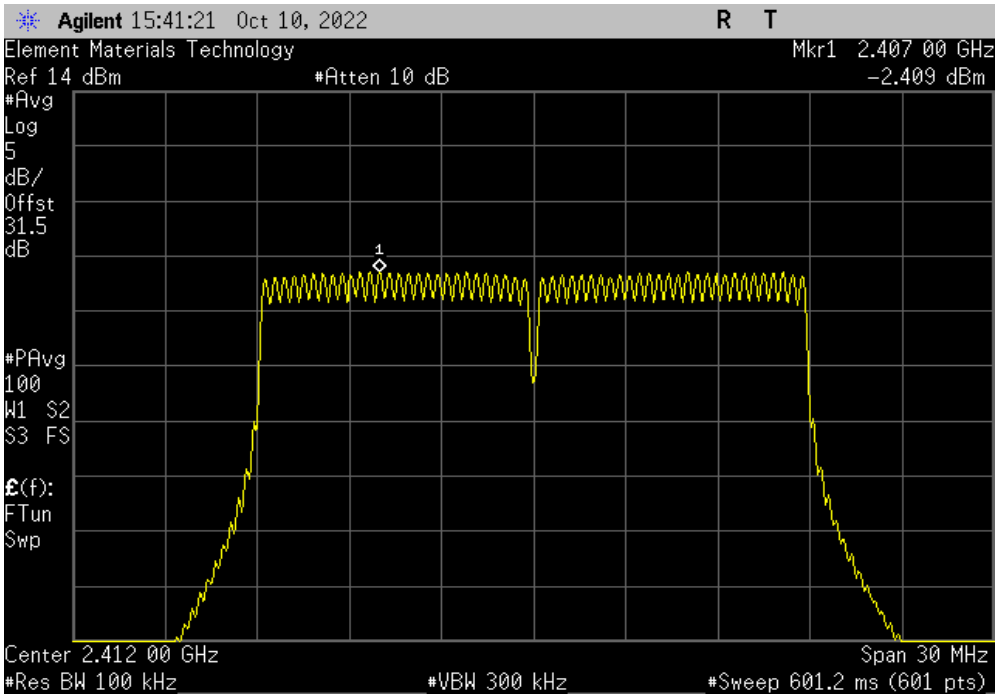


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, VHT20, MCS0, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.292	-15.2	0.6	3	-14.9	8	Pass

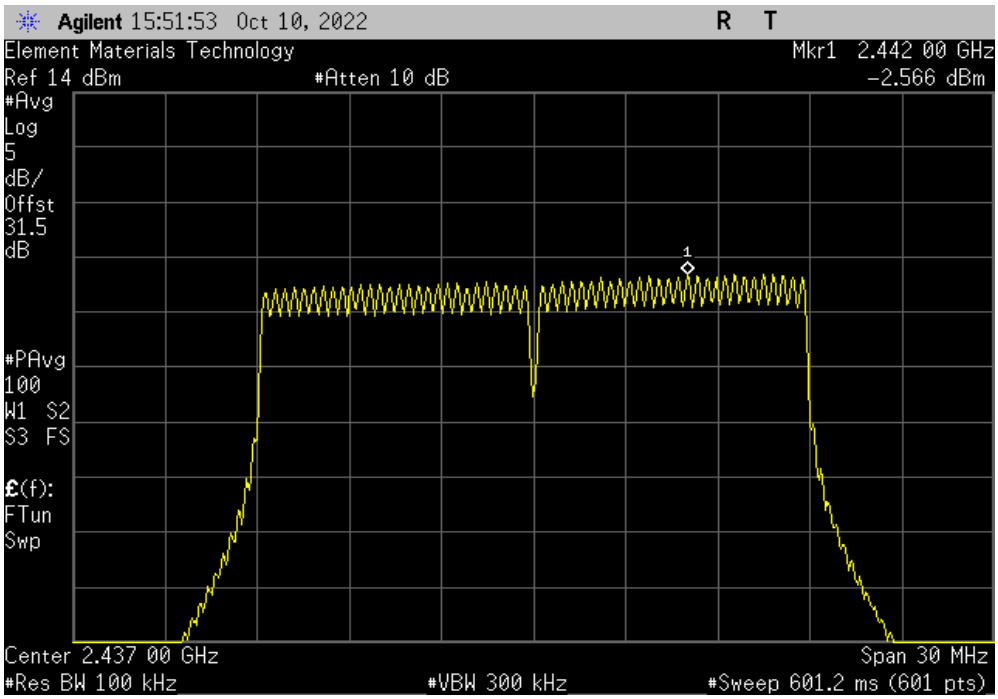


MIMO - Chain 0, VHT20, MCS8, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-2.409	-15.2	0.6	3	-14.0	8	Pass

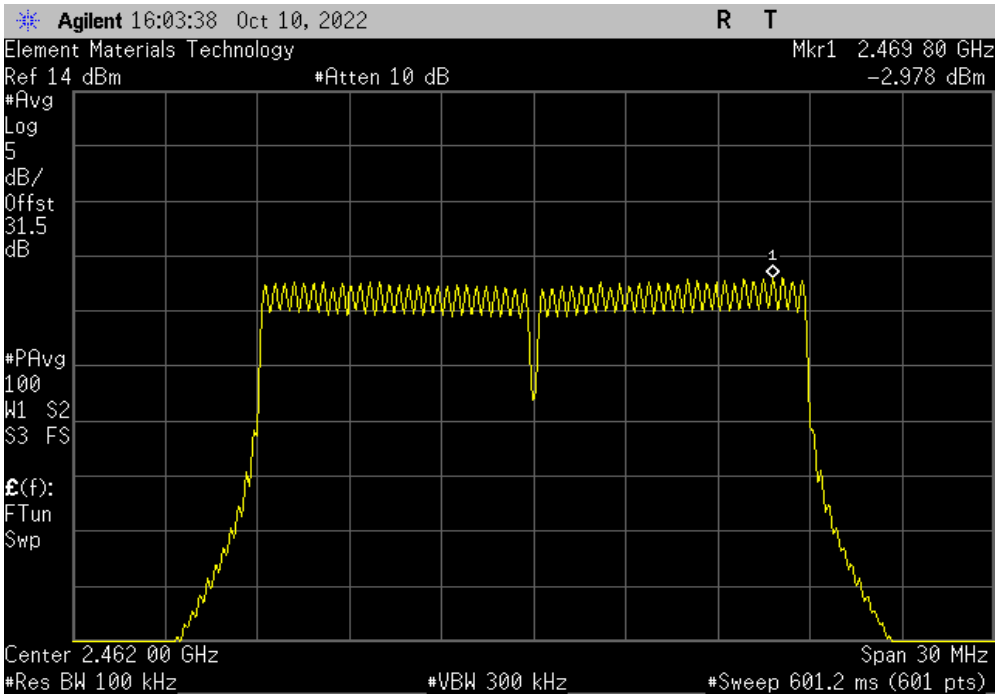


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, VHT20, MCS8, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-2.566	-15.2	0.6	3	-14.2	8	Pass

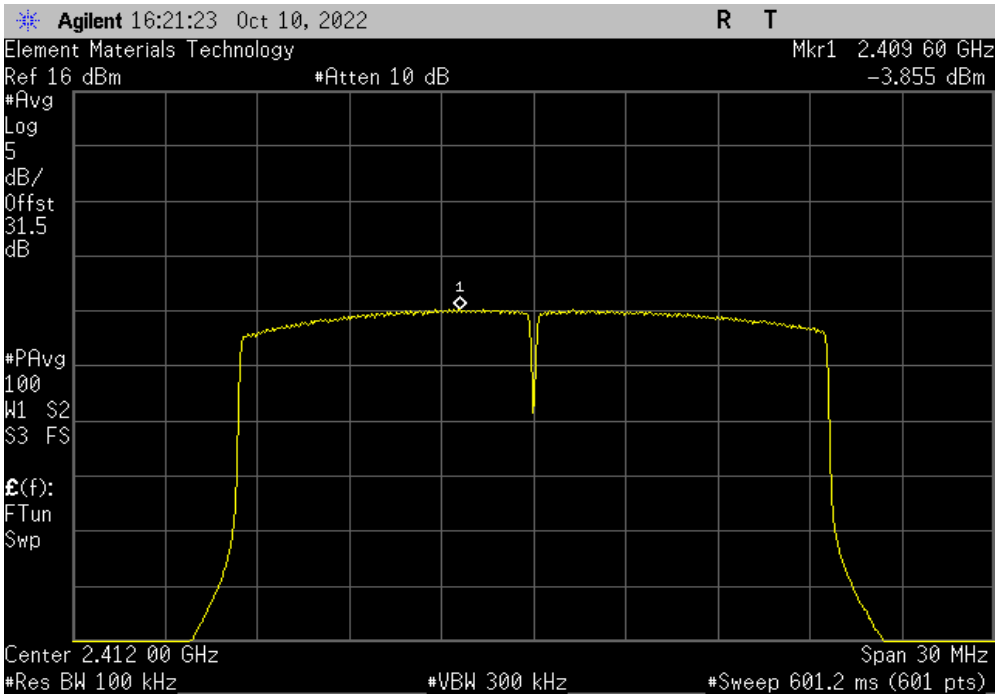


MIMO - Chain 0, VHT20, MCS8, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-2.978	-15.2	0.6	3	-14.6	8	Pass

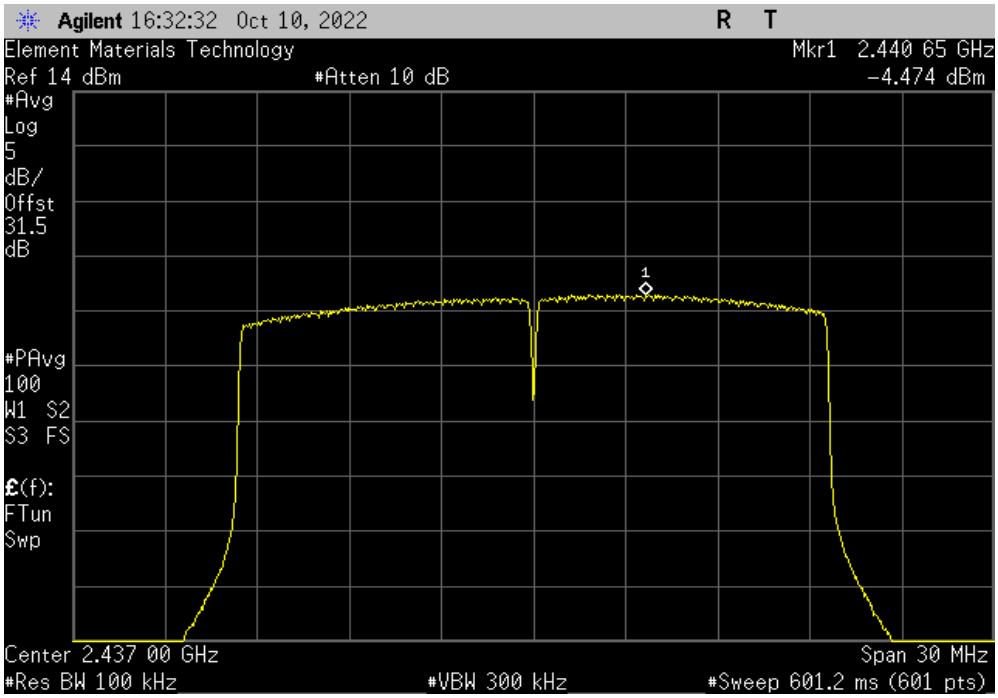


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, HE20, MCS0, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.855	-15.2	0.6	3	-15.5	8	Pass

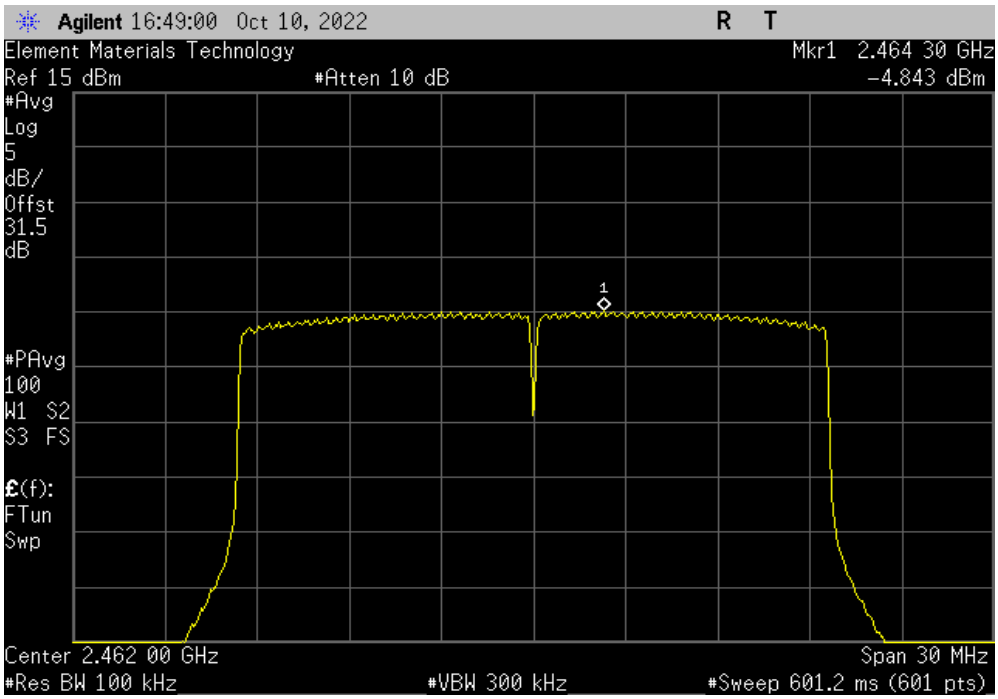


MIMO - Chain 0, HE20, MCS0, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.474	-15.2	0.6	3	-16.1	8	Pass

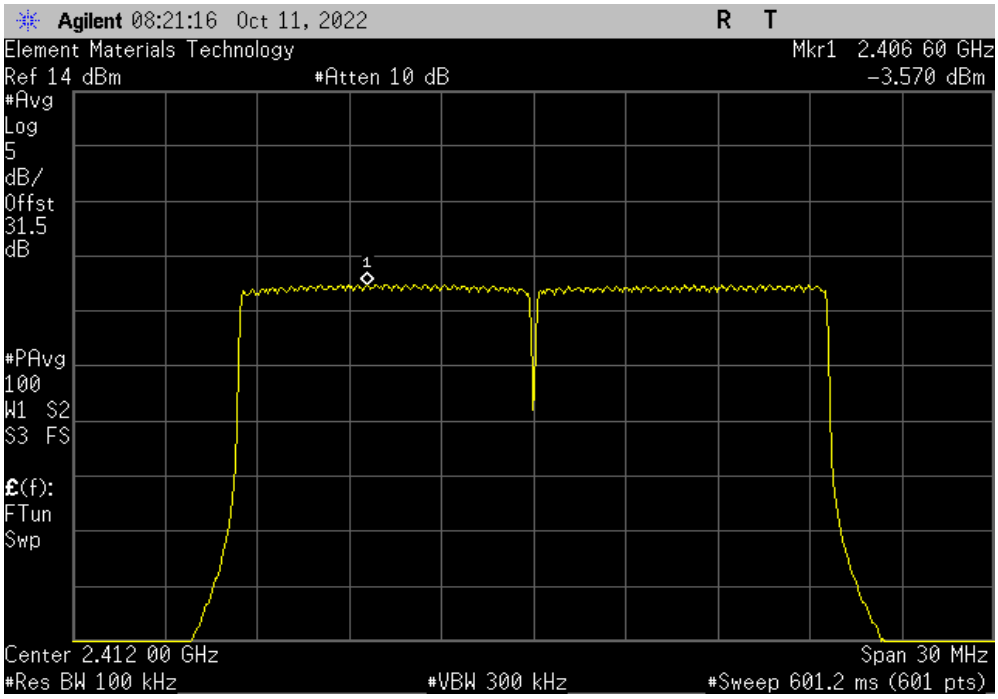


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, HE20, MCS0, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.843	-15.2	0.6	3	-16.4	8	Pass

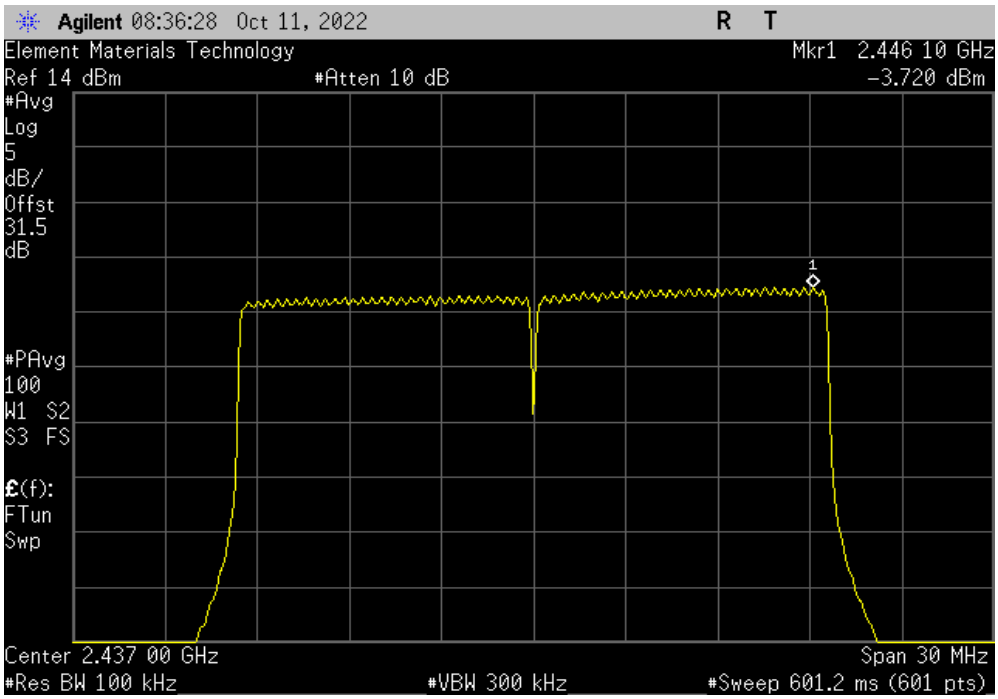


MIMO - Chain 0, HE20, MCS11, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.57	-15.2	0.6	3	-15.2	8	Pass

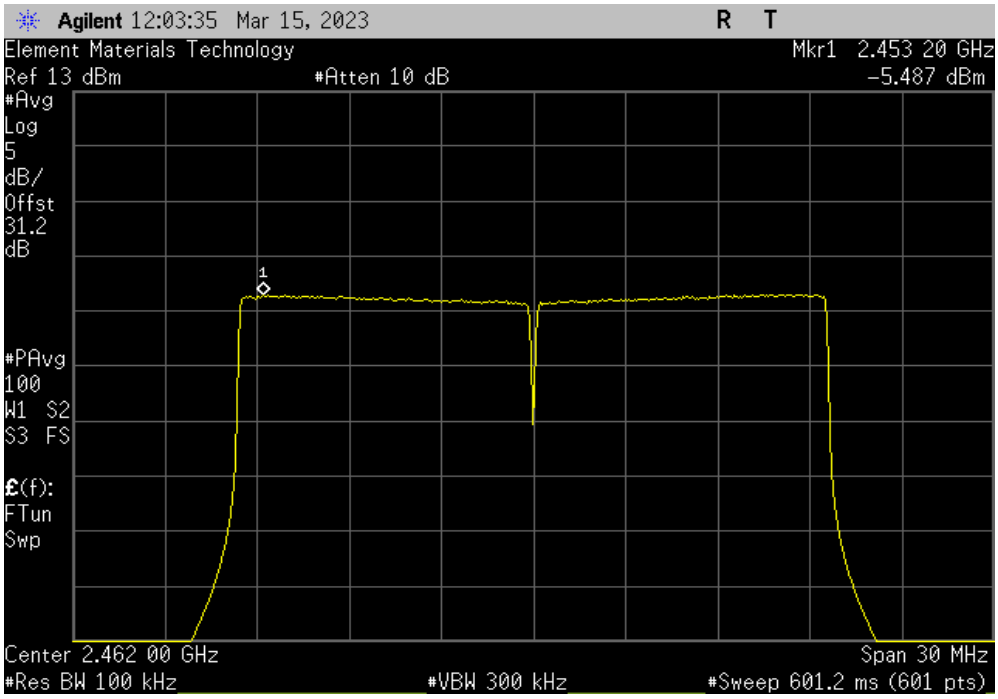


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 0, HE20, MCS11, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.72	-15.2	0.6	3	-15.3	8	Pass

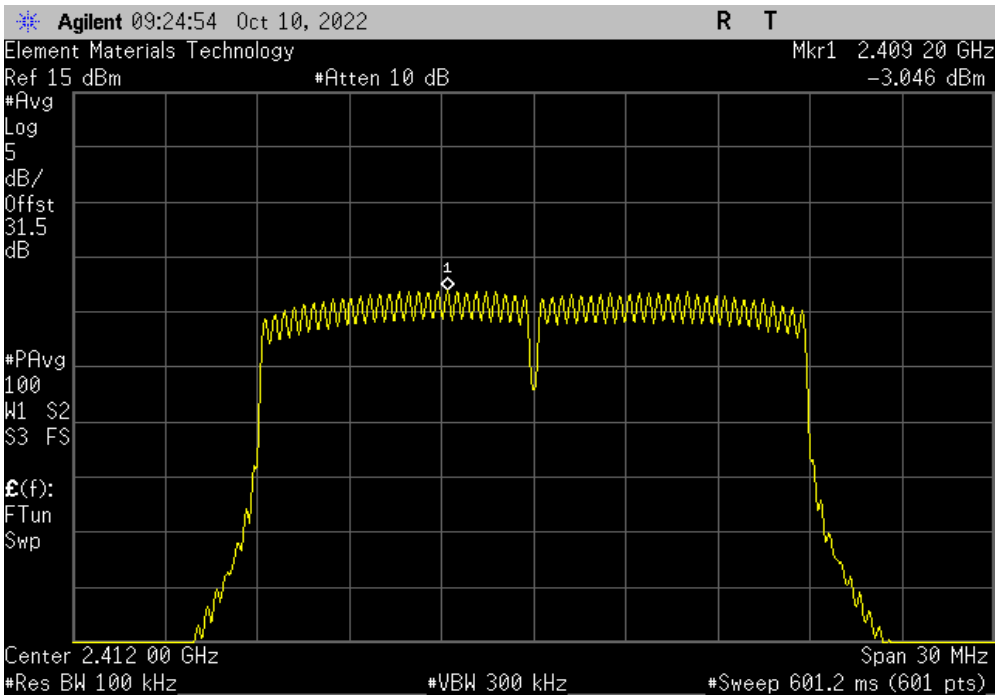


MIMO - Chain 0, HE20, MCS11, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-5.487	-15.2	0.6	3	-17.1	8	Pass

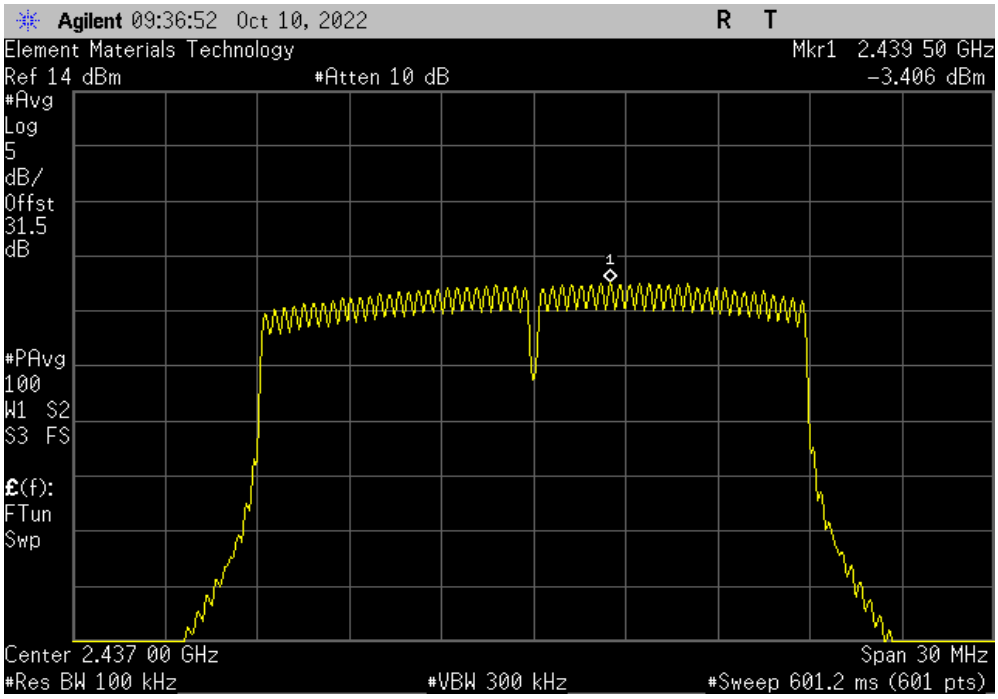


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 1, HT20, MCS8, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.046	-15.2	0.6	3	-14.6	8	Pass

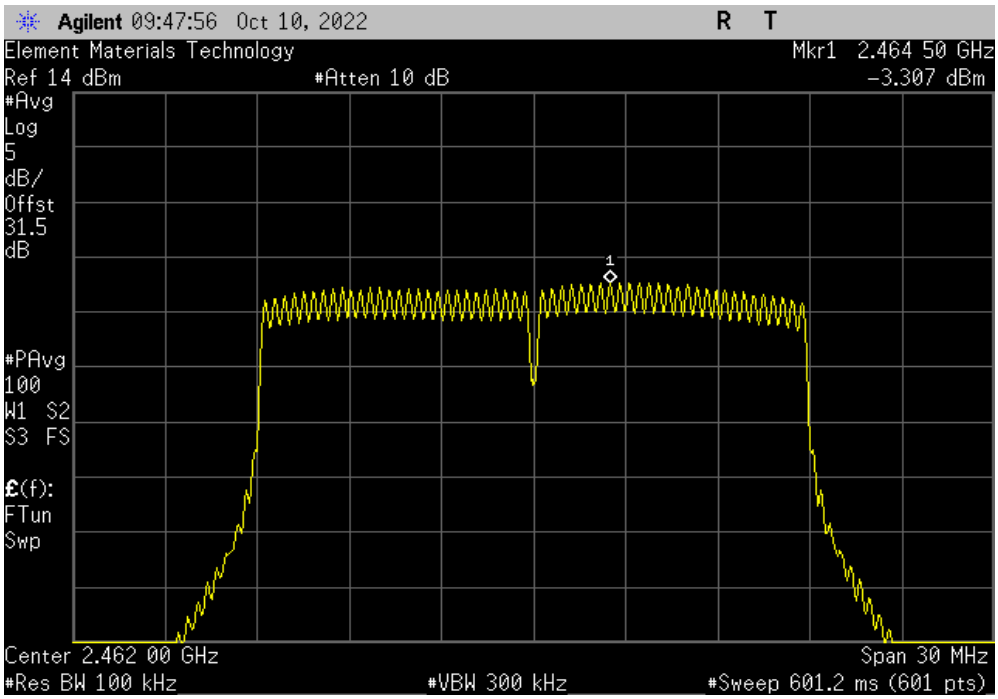


MIMO - Chain 1, HT20, MCS8, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.406	-15.2	0.6	3	-15.0	8	Pass

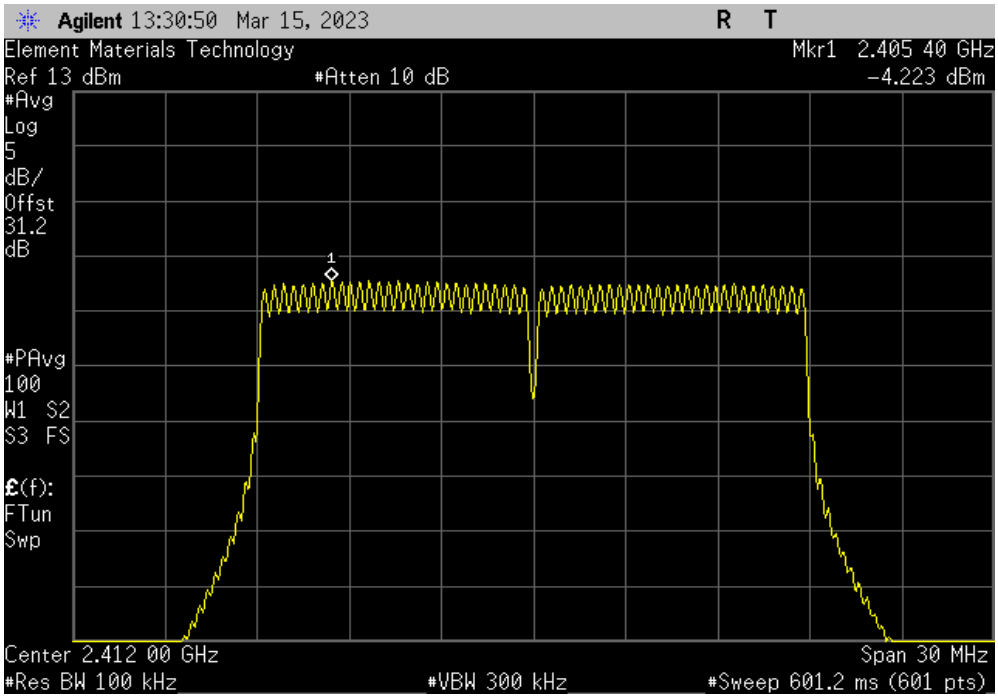


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 1, HT20, MCS8, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.307	-15.2	0.6	3	-14.9	8	Pass

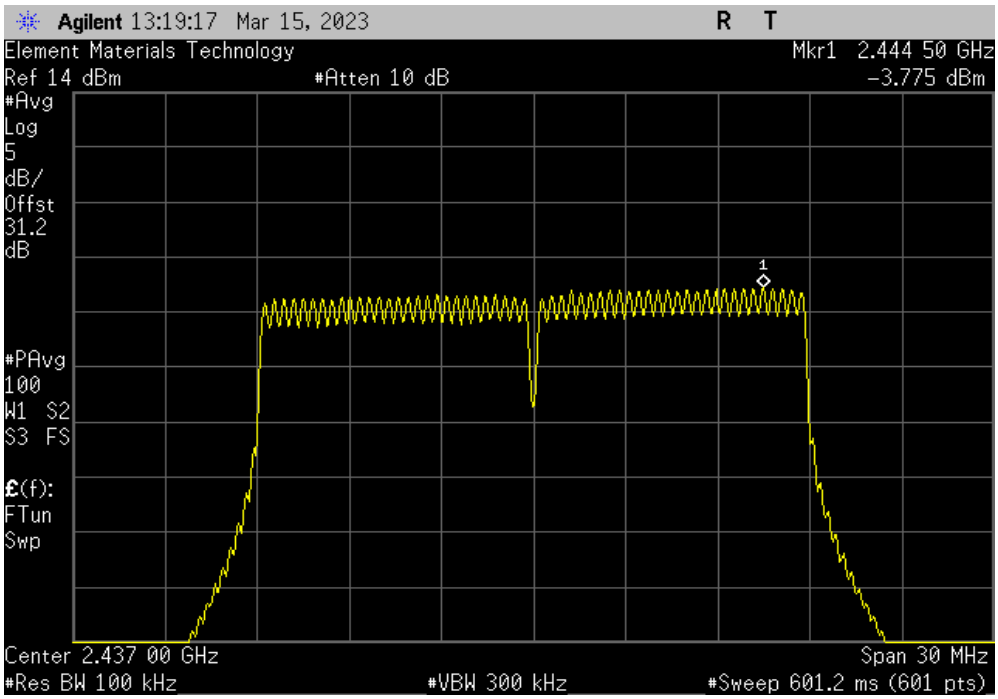


MIMO - Chain 1, HT20, MCS15, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.223	-15.2	0.6	3	-15.8	8	Pass

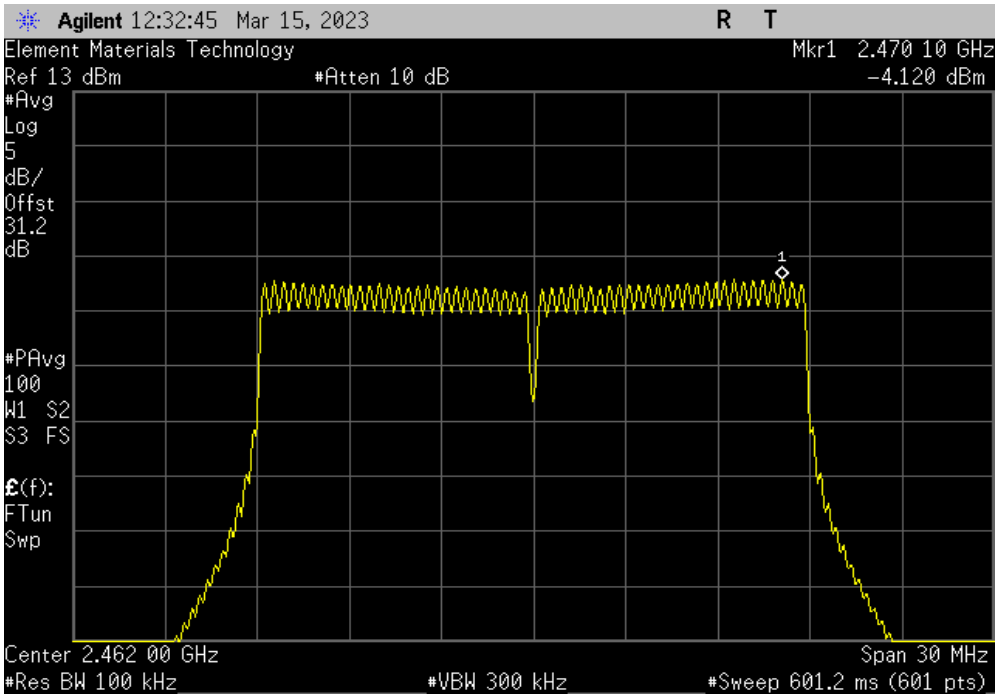


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 1, HT20, MCS15, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.775	-15.2	0.6	3	-15.4	8	Pass

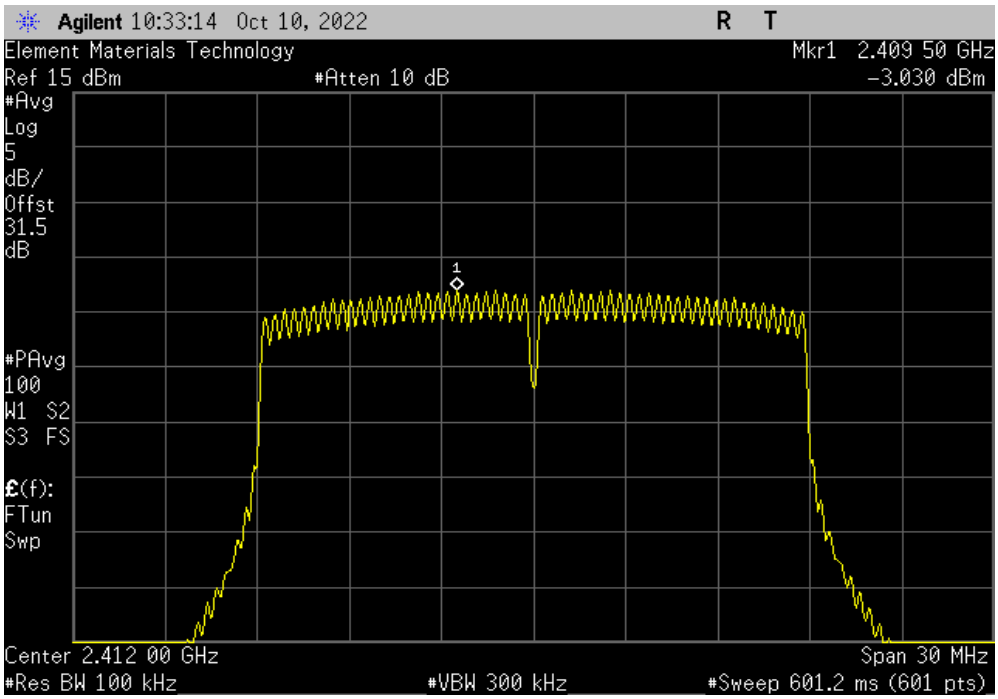


MIMO - Chain 1, HT20, MCS15, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.12	-15.2	0.6	3	-15.7	8	Pass

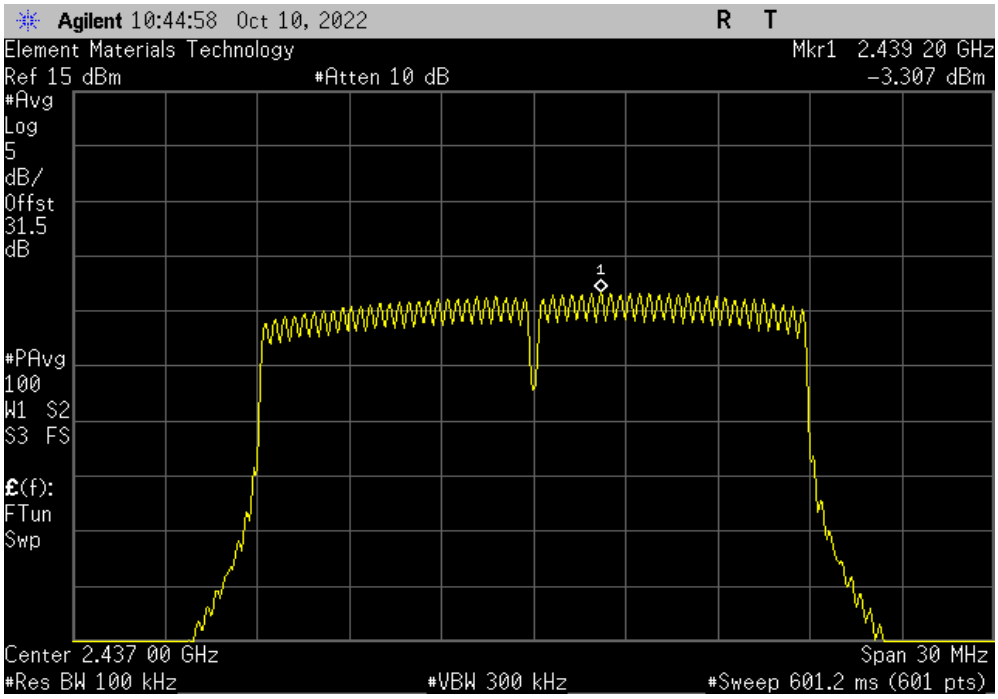


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 1, VHT20, MCS0, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.03	-15.2	0.6	3	-14.6	8	Pass

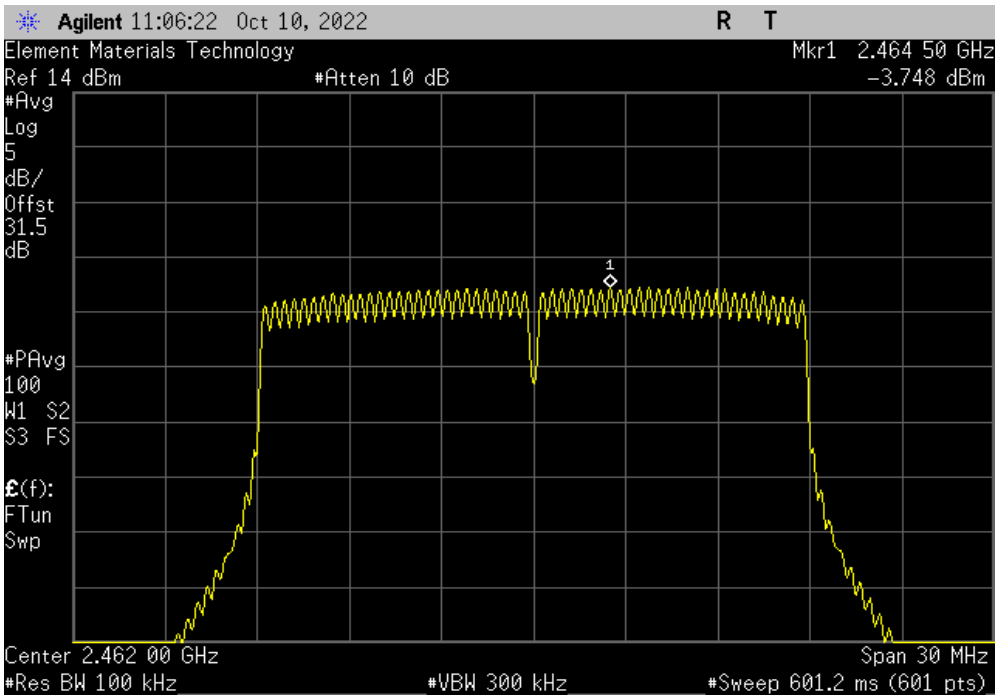


MIMO - Chain 1, VHT20, MCS0, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.307	-15.2	0.6	3	-14.9	8	Pass

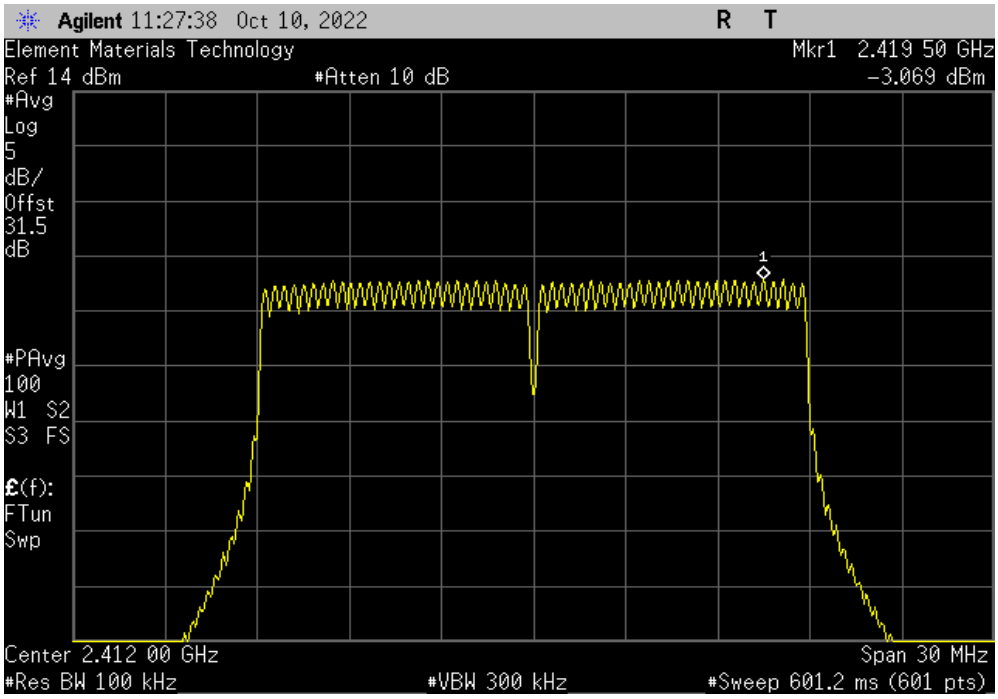


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 1, VHT20, MCS0, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.748	-15.2	0.6	3	-15.3	8	Pass

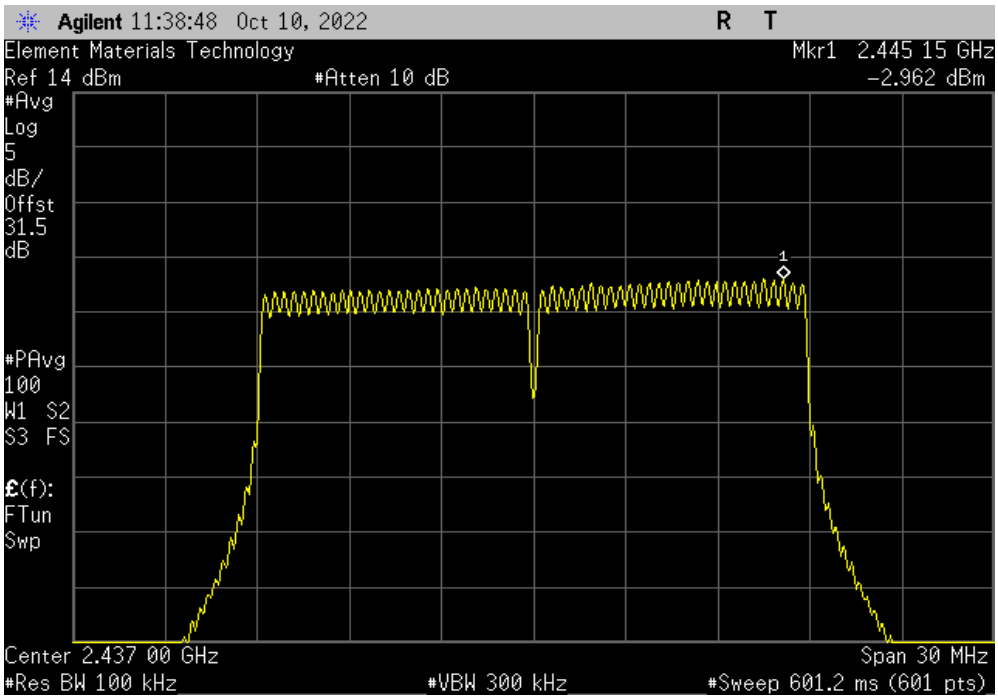


MIMO - Chain 1, VHT20, MCS8, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.069	-15.2	0.6	3	-14.7	8	Pass

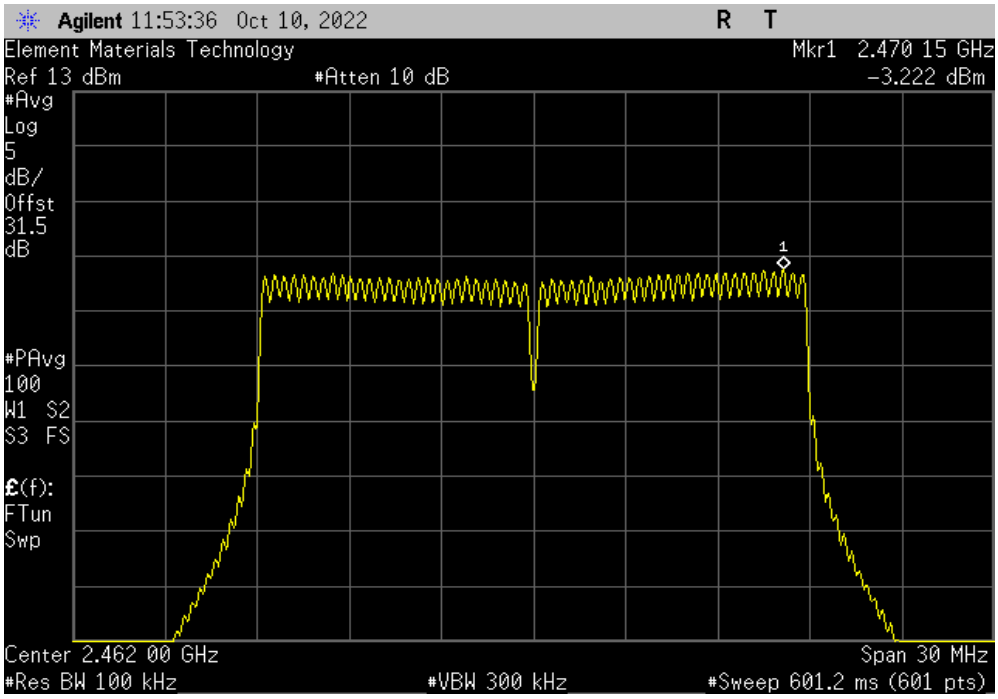


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 1, VHT20, MCS8, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-2.962	-15.2	0.6	3	-14.6	8	Pass

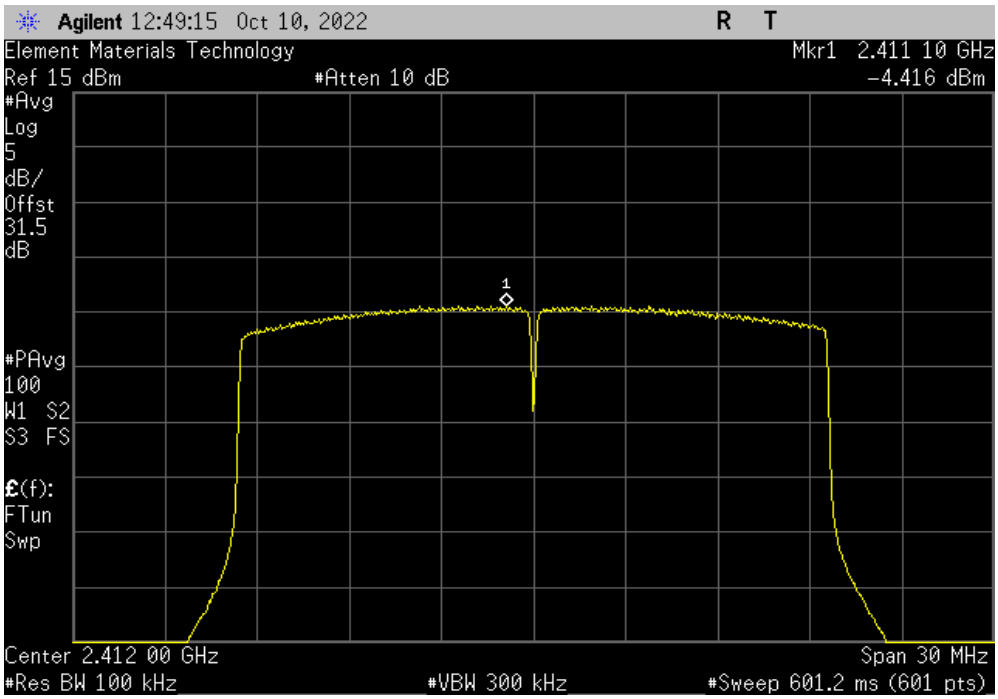


MIMO - Chain 1, VHT20, MCS8, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-3.222	-15.2	0.6	3	-14.8	8	Pass

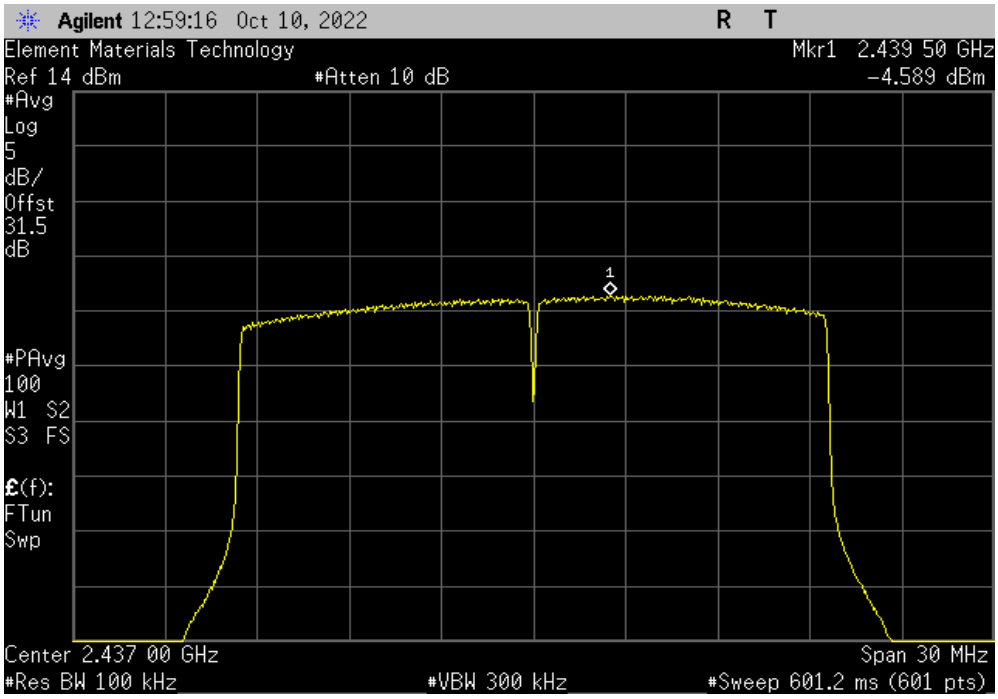


POWER SPECTRAL DENSITY - MIMO

MIMO - Chain 1, HE20, MCS0, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.416	-15.2	0.6	3	-16.0	8	Pass

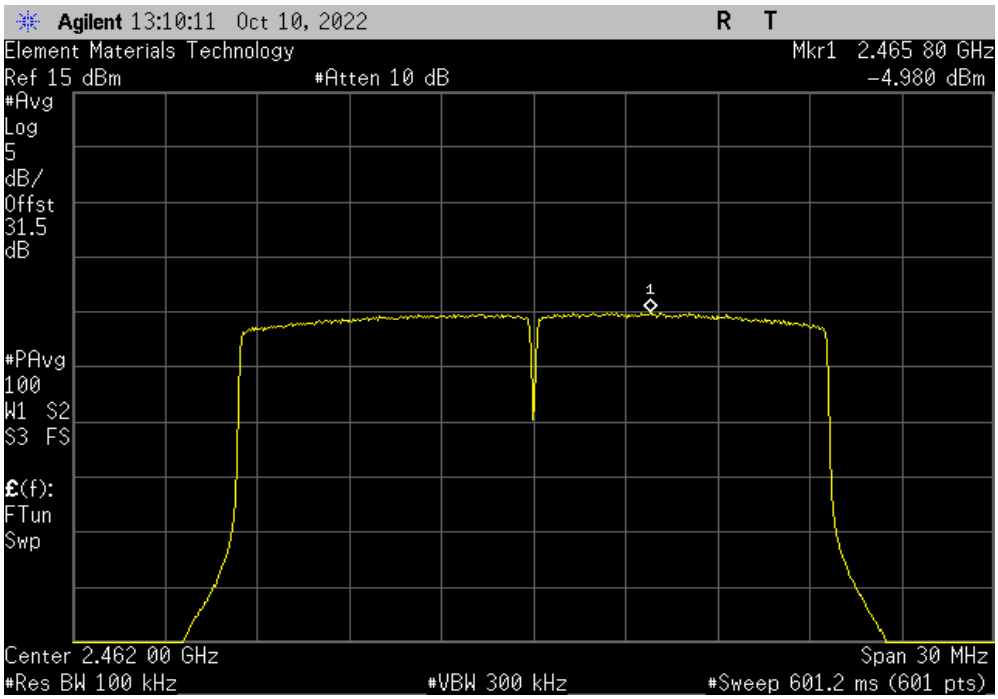


MIMO - Chain 1, HE20, MCS0, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.589	-15.2	0.6	3	-16.2	8	Pass

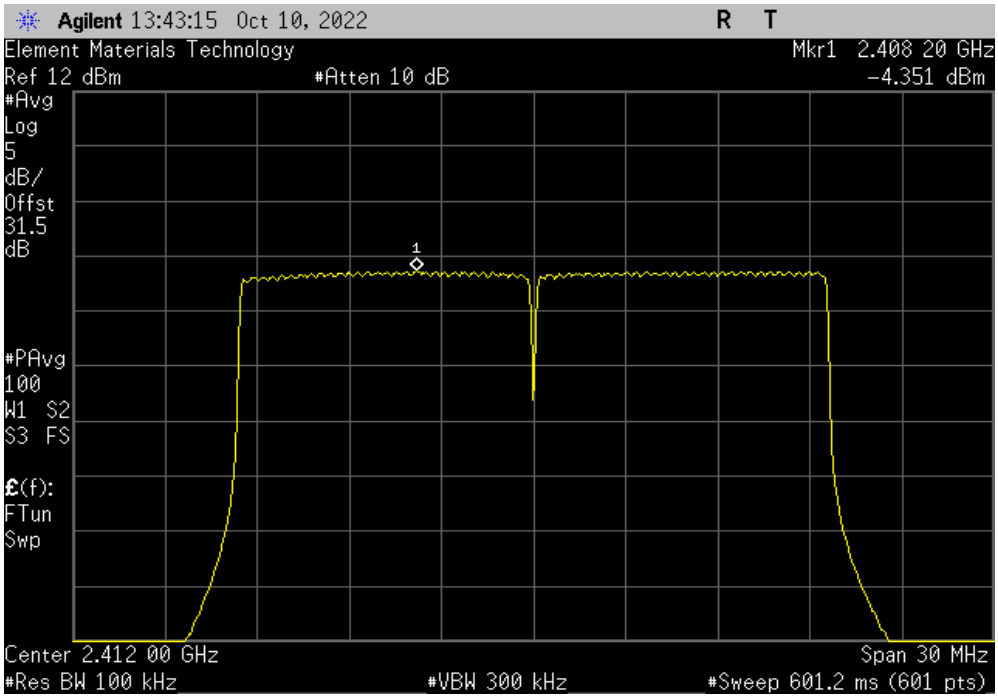


POWER SPECTRAL DENSITY - MIMO

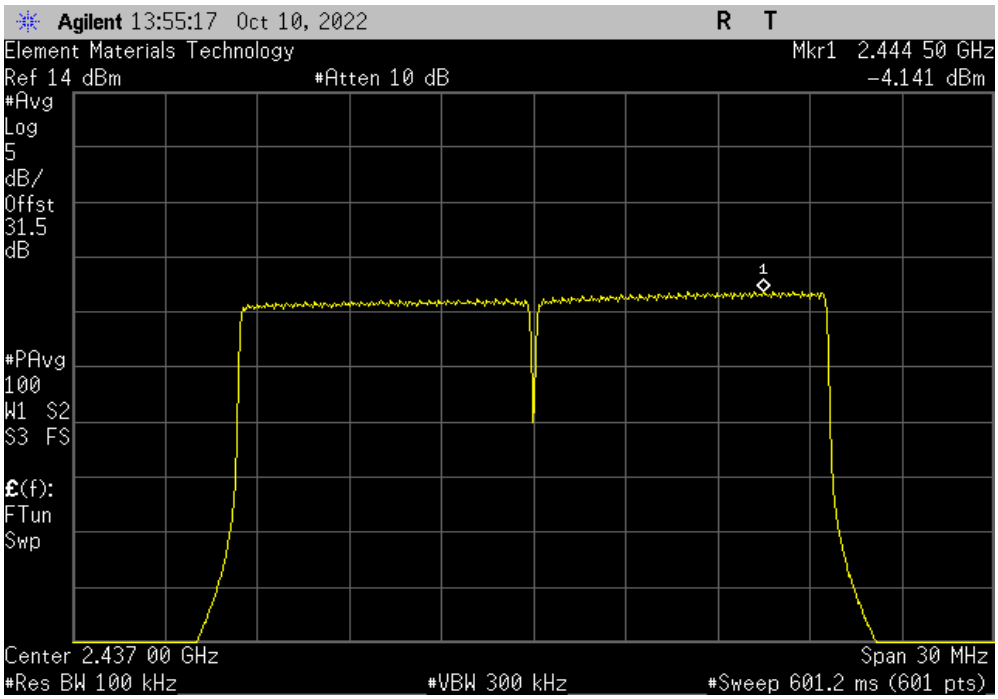
MIMO - Chain 1, HE20, MCS0, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.98	-15.2	0.6	3	-16.6	8	Pass



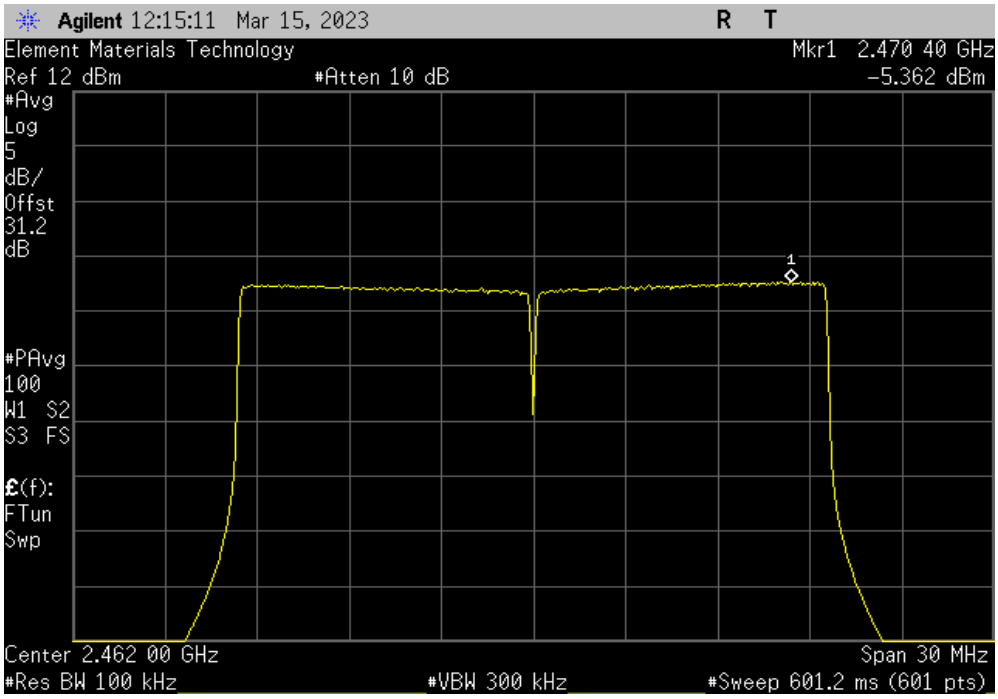
MIMO - Chain 1, HE20, MCS11, Low Channel 1, 2412 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.351	-15.2	0.6	3	-16.0	8	Pass



MIMO - Chain 1, HE20, MCS11, Mid Channel 6, 2437 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-4.141	-15.2	0.6	3	-15.7	8	Pass



MIMO - Chain 1, HE20, MCS11, High Channel 11, 2462 MHz						
Value dBm/100kHz	dBm/100kHz To dBm/3kHz	Duty Cycle Factor (dB)	Summing Factor (dB)	Value dBm/3kHz	Limit ≤ (dBm/3kHz)	Results
-5.362	-15.2	0.6	3	-17.0	8	Pass



BAND EDGE COMPLIANCE - CHAIN 0

XMit 2022.02.07.0

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	Keysight	N5182B	TFU	2020-11-20	2022-11-20
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2021-12-05	2022-12-05
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Attenuator	S.M. Electronics	SA26B-20	AUY	2022-03-15	2023-03-15
Block - DC	Fairview Microwave	SD3379	AMW	2022-03-14	2023-03-14
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2022-01-26	2023-01-26

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 - CHAIN 0

TbtTx 2022.06.03.0 XMit 2022.02.07.0

EUT:	**U8 Hawk**			**Work Order:**	**KYME0068**
Serial Number:	**192F-85E2-1761**			**Date:**	**6-Oct-22**
Customer:	**Kymeta Corp.**			**Temperature:**	**22.5 °C**
Attendees:	**Dean Busch**			**Humidity:**	**43.8% RH**
Project:	**None**			**Barometric Pres.:**	**1025 mbar**
Tested by:	**Jeff Alcoke**	**Power:**	**12 VDC**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	**Test Method**
FCC 15.247:2022	ANSI C63.10:2013
RSS-247 Issue 2:2017	ANSI C63.10:2013

COMMENTS

Reference level offset includes: DC Block, 30 dB attenuation, and measurement cable.

DEVIATIONS FROM TEST STANDARD

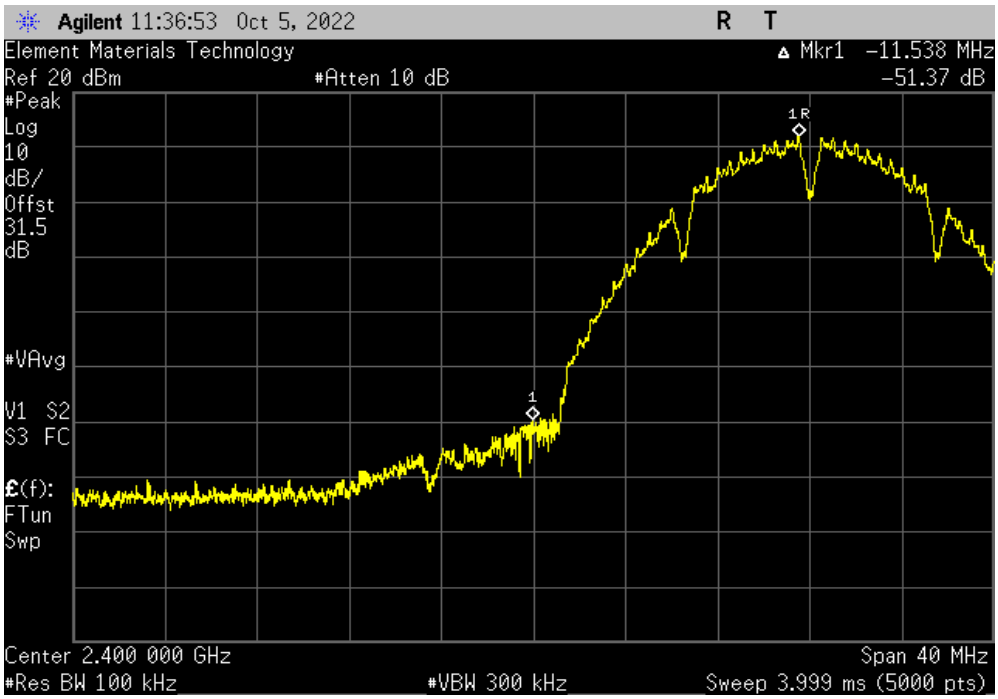
None

Configuration #	**1**	*Signature*

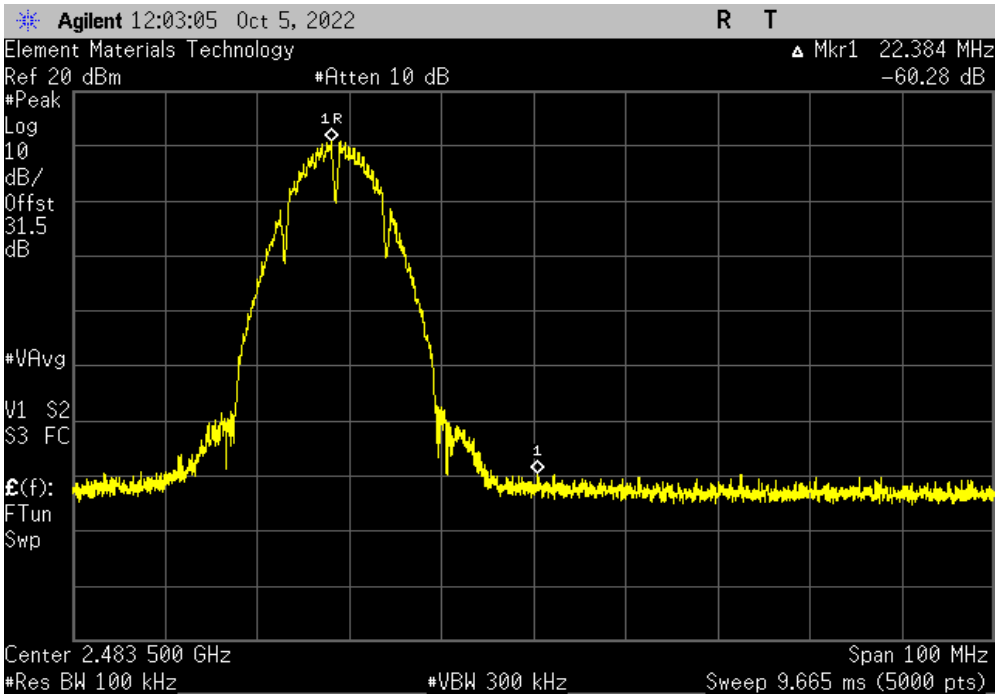
	Value (dBc)	Limit ≤ (dBc)	Result
Chain 0			
CCK, 1 Mbps			
Low Channel 1, 2412 MHz	-51.37	-30	Pass
High Channel 11, 2462 MHz	-60.28	-30	Pass
CCK, 11 Mbps			
Low Channel 1, 2412 MHz	-55.01	-30	Pass
High Channel 11, 2462 MHz	-59.54	-30	Pass
Legacy OFDM, 6 Mbps			
Low Channel 1, 2412 MHz	-39.44	-30	Pass
High Channel 11, 2462 MHz	-58.52	-30	Pass
Legacy OFDM, 36 Mbps			
Low Channel 1, 2412 MHz	-37.68	-30	Pass
High Channel 11, 2462 MHz	-50.03	-30	Pass
Legacy OFDM, 54 Mbps			
Low Channel 1, 2412 MHz	-36.51	-30	Pass
High Channel 11, 2462 MHz	-50.68	-30	Pass
HT20, MCS0			
Low Channel 1, 2412 MHz	-37.03	-30	Pass
High Channel 11, 2462 MHz	-56.2	-30	Pass
HT20, MCS7			
Low Channel 1, 2412 MHz	-35.74	-30	Pass
High Channel 11, 2462 MHz	-53.5	-30	Pass
VHT20, MCS0			
Low Channel 1, 2412 MHz	-35.15	-30	Pass
High Channel 11, 2462 MHz	-57.44	-30	Pass
VHT20, MCS8			
Low Channel 1, 2412 MHz	-36.54	-30	Pass
High Channel 11, 2462 MHz	-50.7	-30	Pass
HE20, MCS0			
Low Channel 1, 2412 MHz	-34.18	-30	Pass
High Channel 11, 2462 MHz	-56.31	-30	Pass
HE20, MCS11			
Low Channel 1, 2412 MHz	-33.49	-30	Pass
High Channel 11, 2462 MHz	-47.82	-30	Pass

BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, CCK, 1 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-51.37	-30	Pass

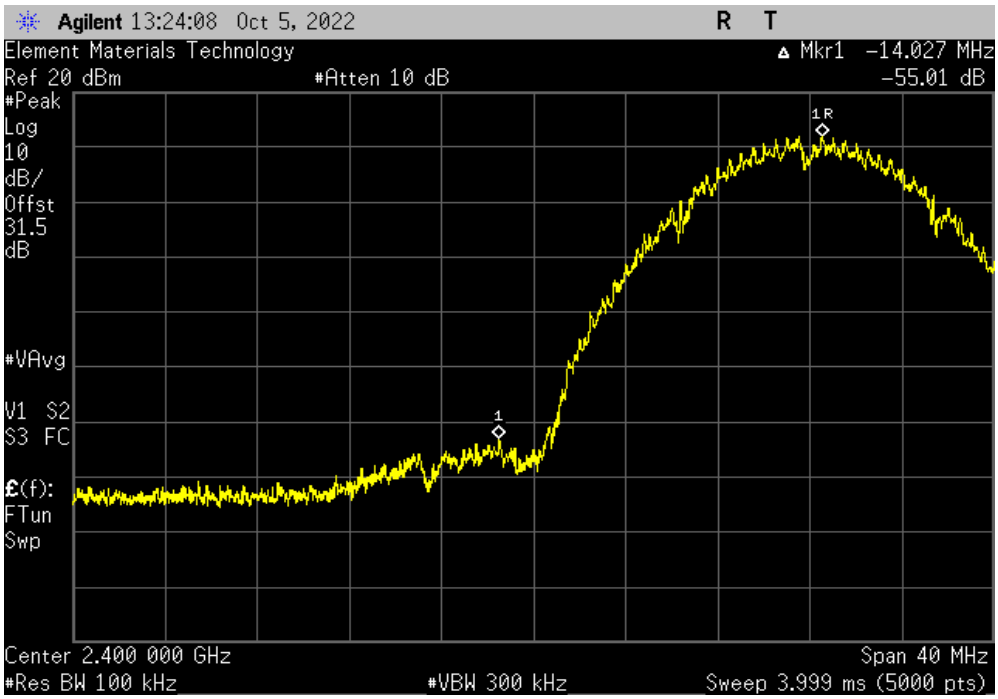


Chain 0, CCK, 1 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-60.28	-30	Pass

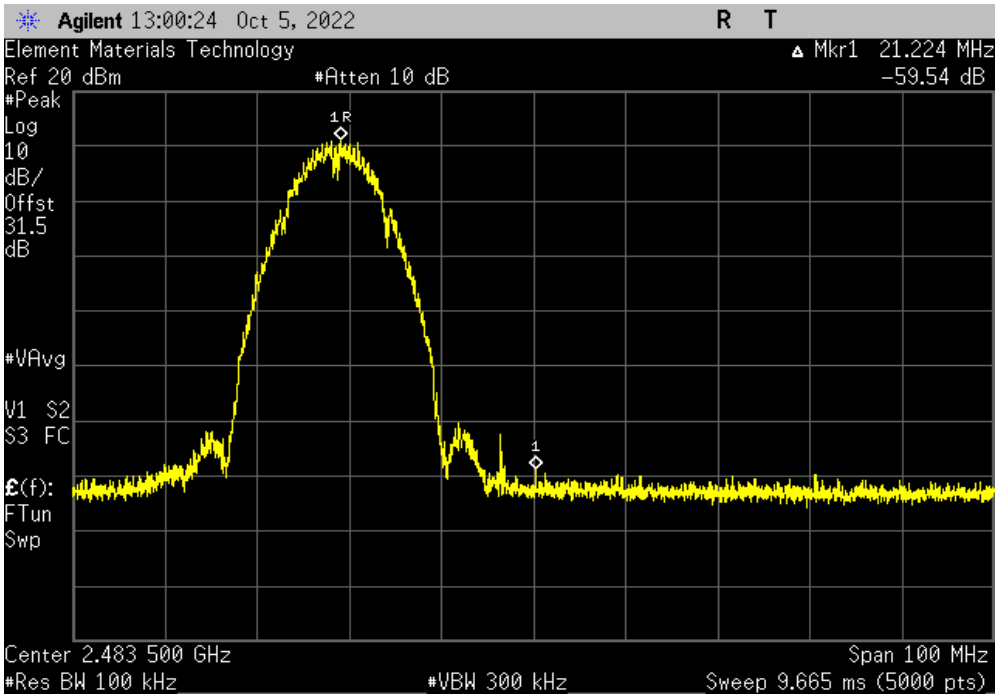


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, CCK, 11 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-55.01	-30	Pass

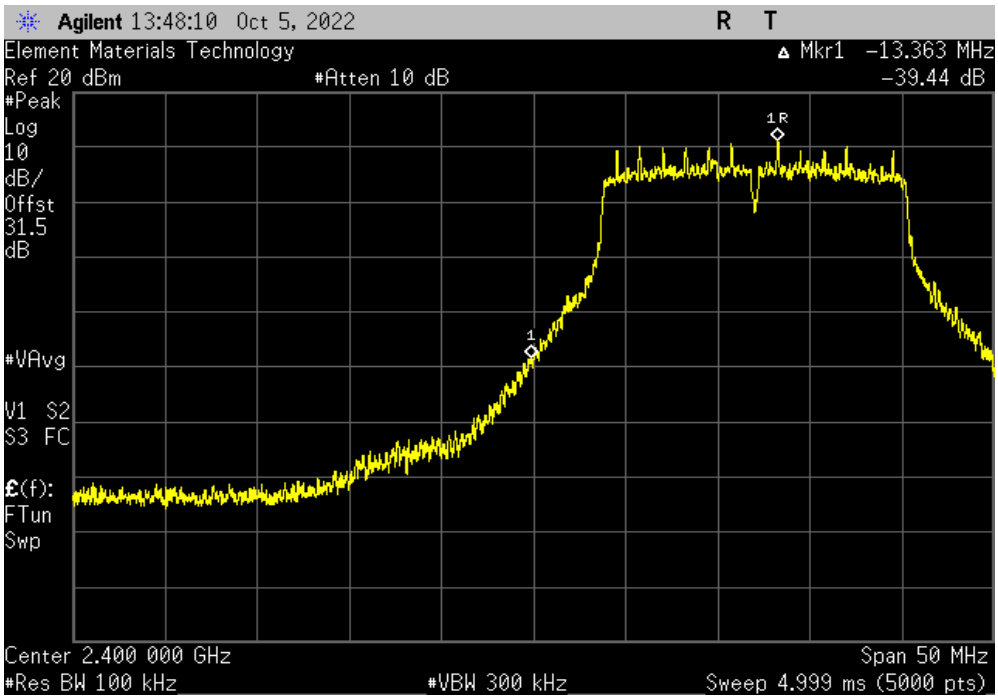


Chain 0, CCK, 11 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-59.54	-30	Pass

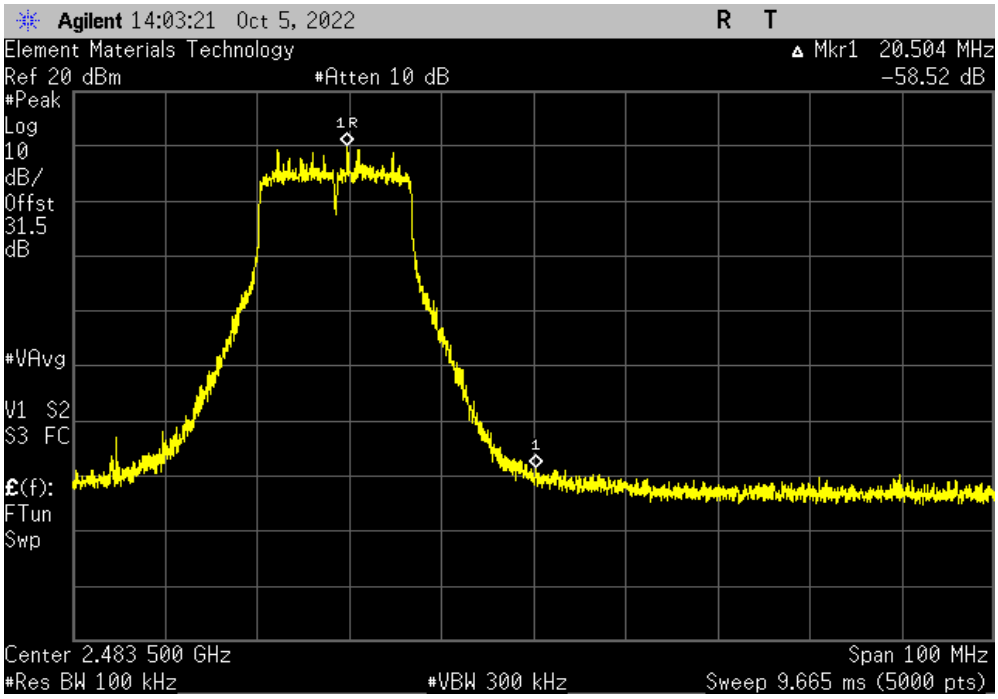


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, Legacy OFDM, 6 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-39.44	-30	Pass

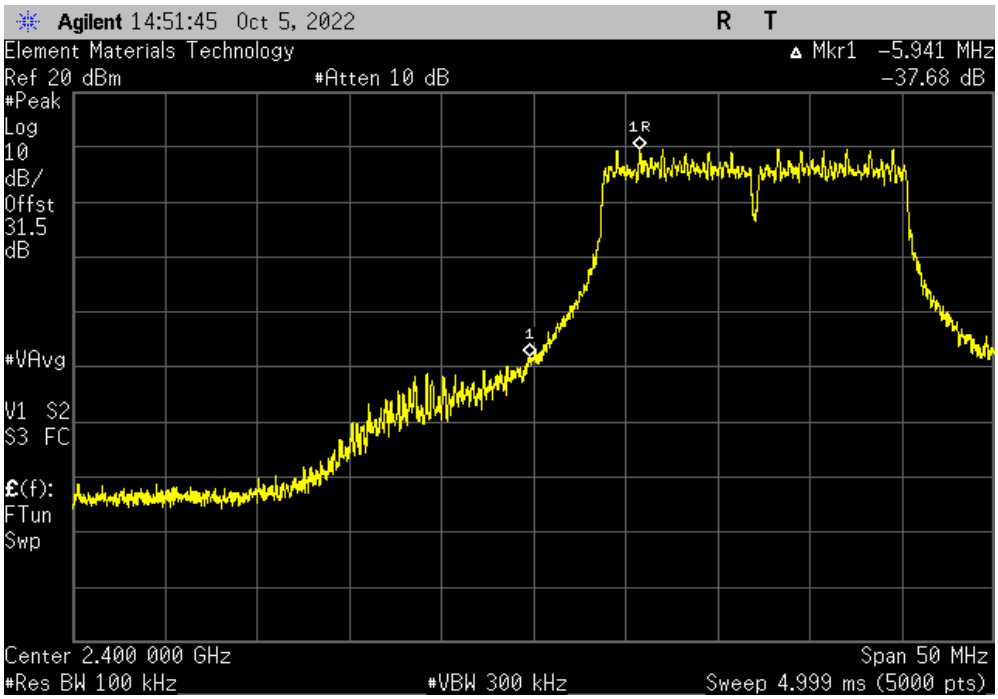


Chain 0, Legacy OFDM, 6 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-58.52	-30	Pass

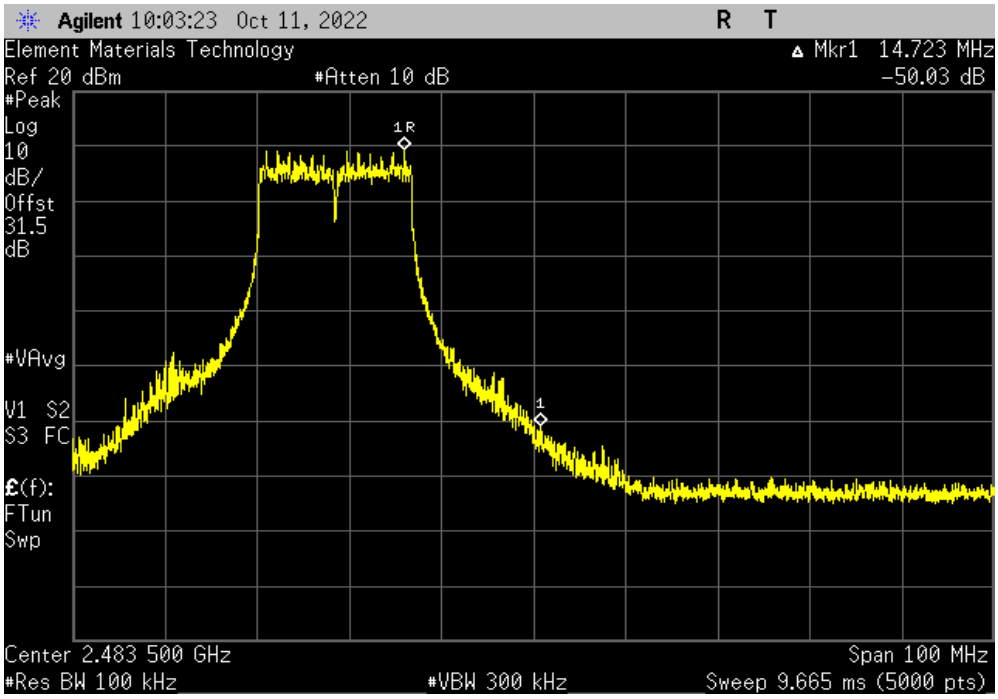


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, Legacy OFDM, 36 Mbps, Low Channel 1, 2412 MHz							
					Value (dBc)	Limit ≤ (dBc)	Result
					-37.68	-30	Pass

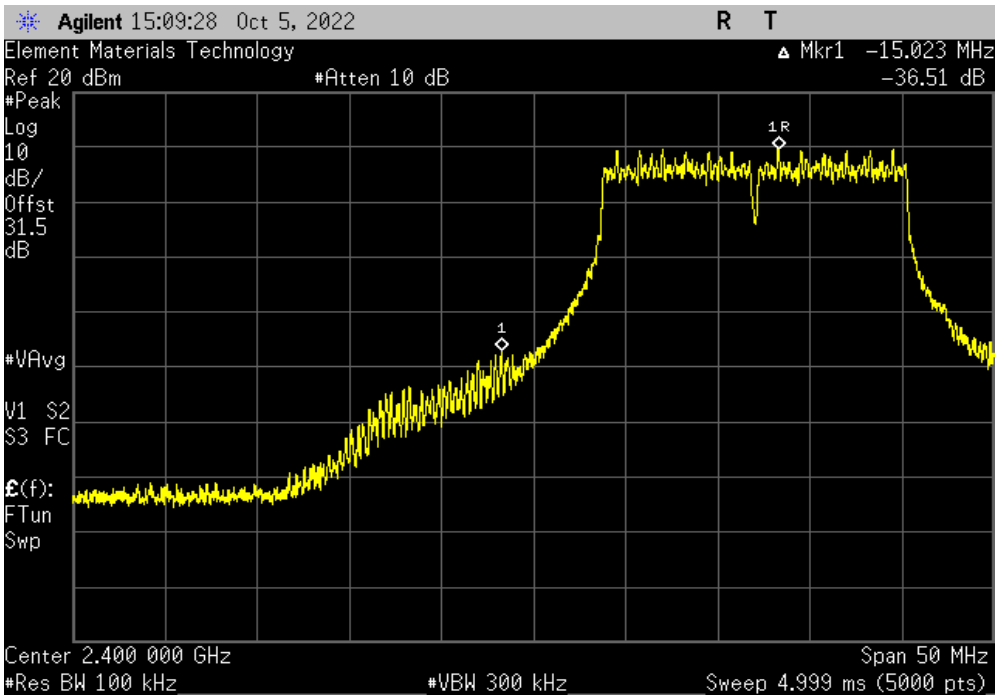


Chain 0, Legacy OFDM, 36 Mbps, High Channel 11, 2462 MHz							
					Value (dBc)	Limit ≤ (dBc)	Result
					-50.03	-30	Pass

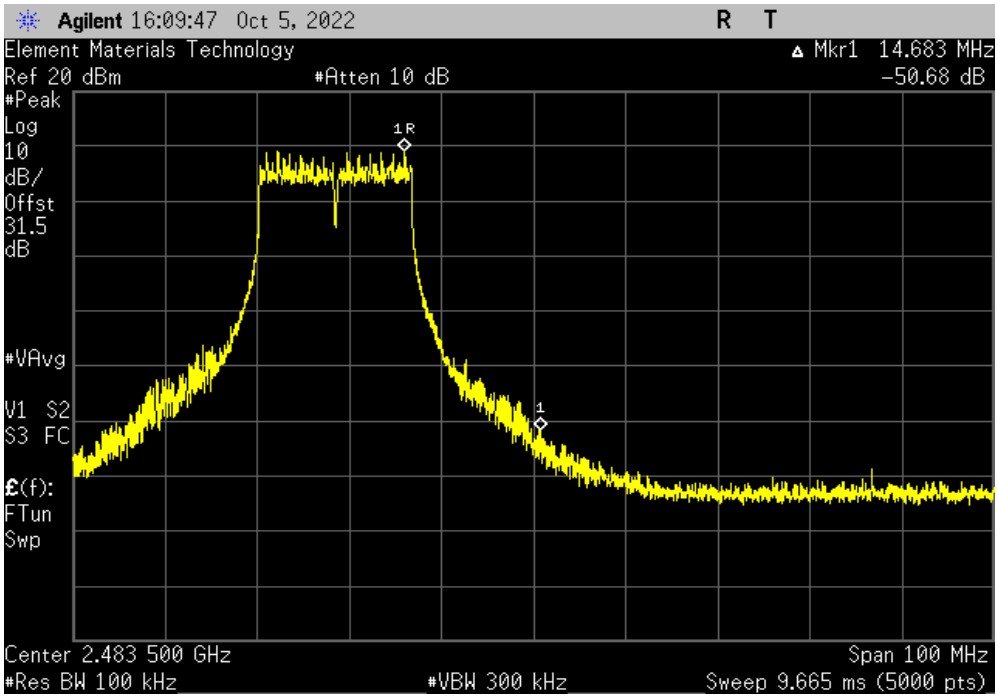


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, Legacy OFDM, 54 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-36.51	-30	Pass

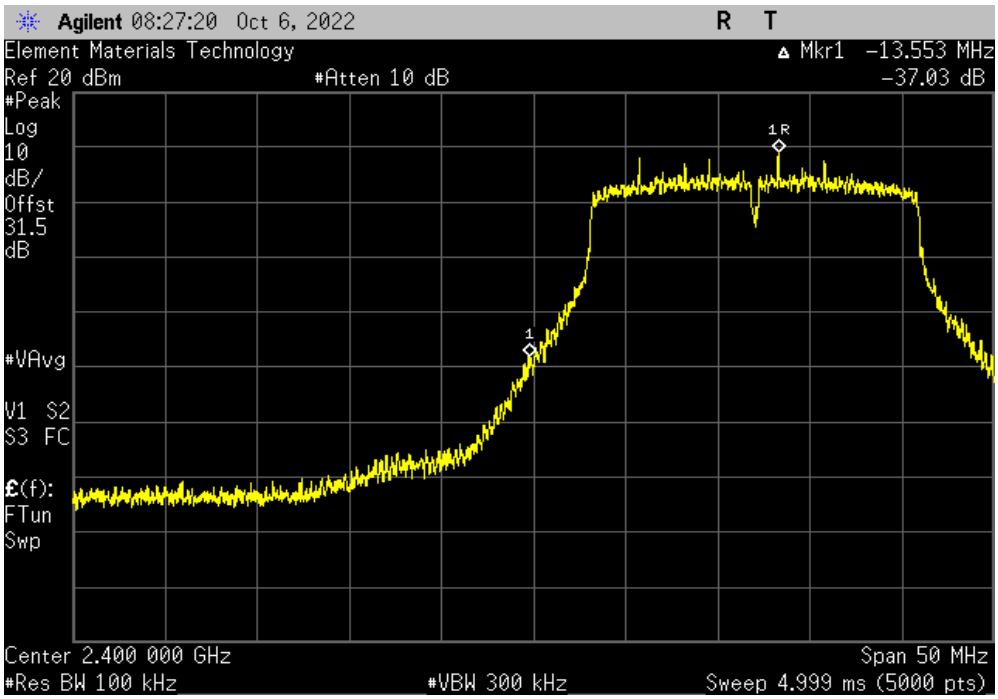


Chain 0, Legacy OFDM, 54 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-50.68	-30	Pass

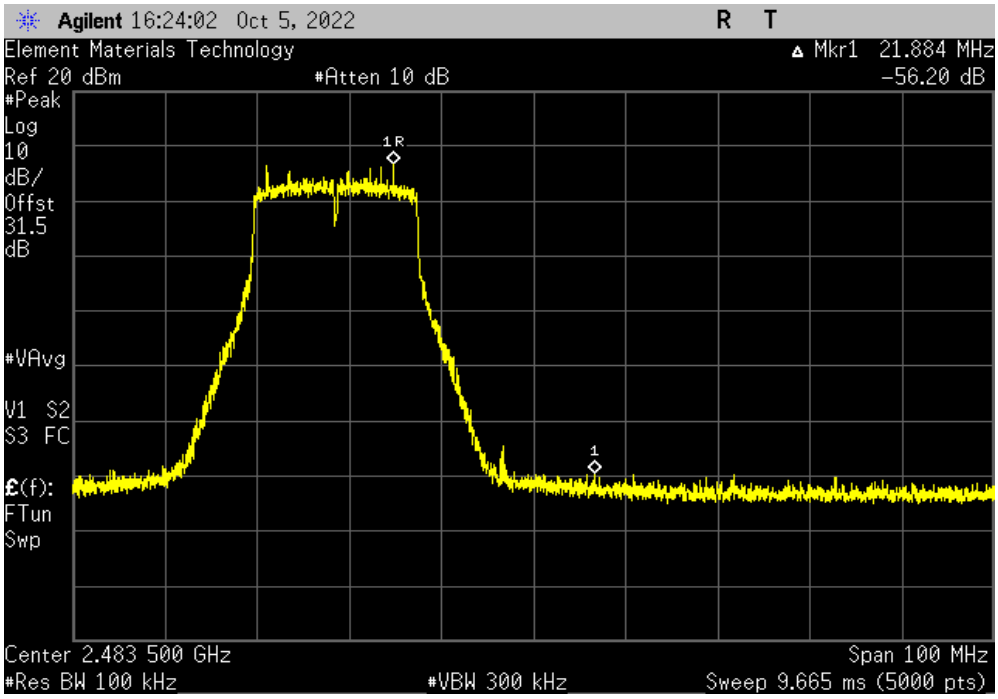


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, HT20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-37.03	-30	Pass

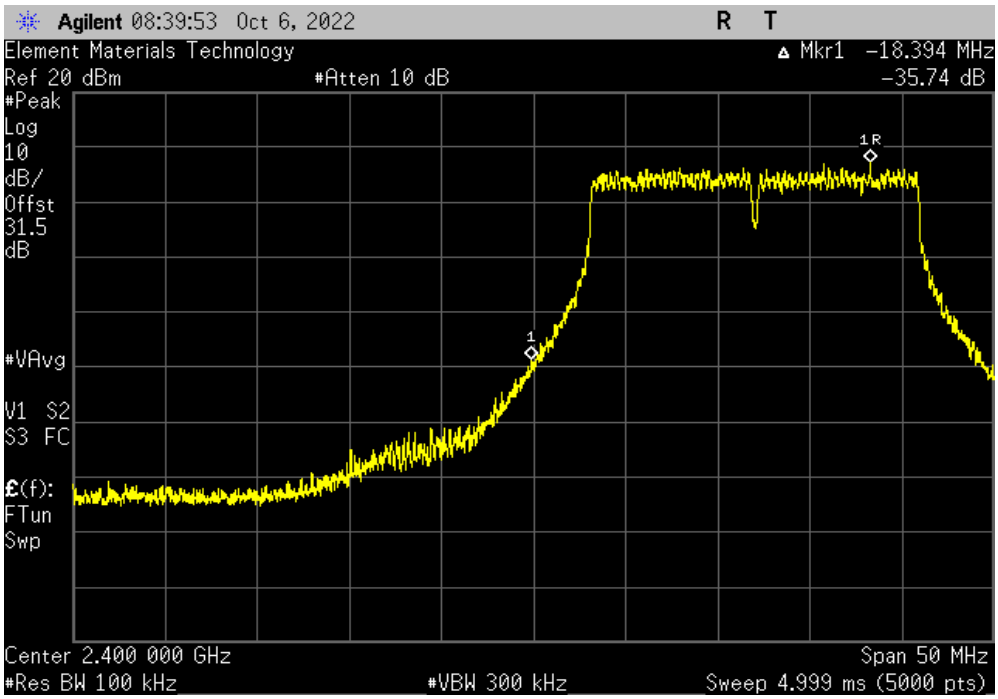


Chain 0, HT20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.2	-30	Pass

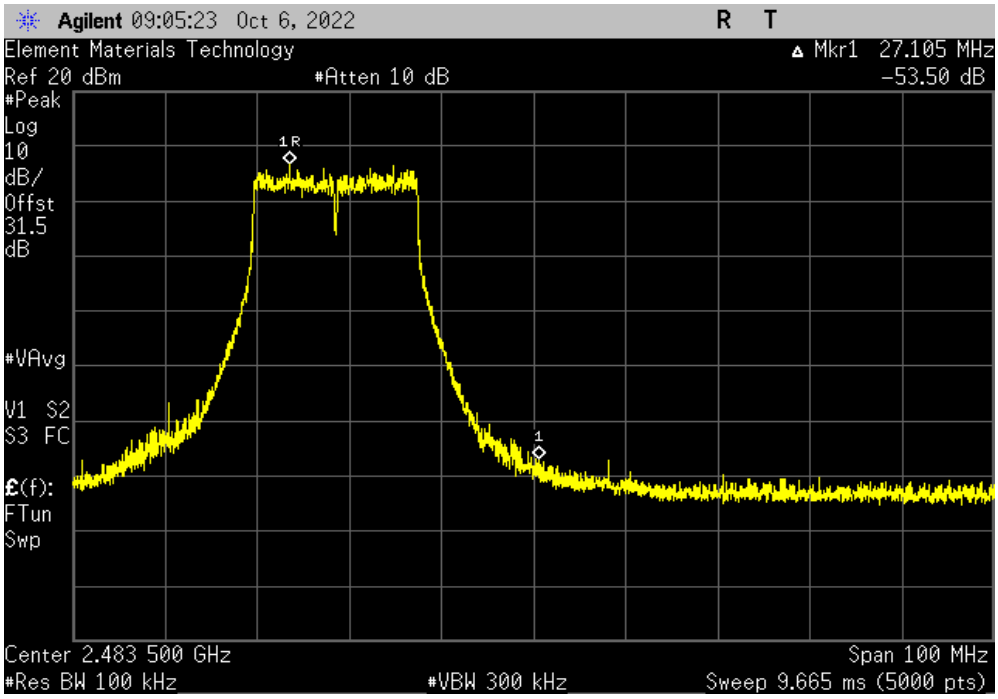


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, HT20, MCS7, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-35.74	-30	Pass

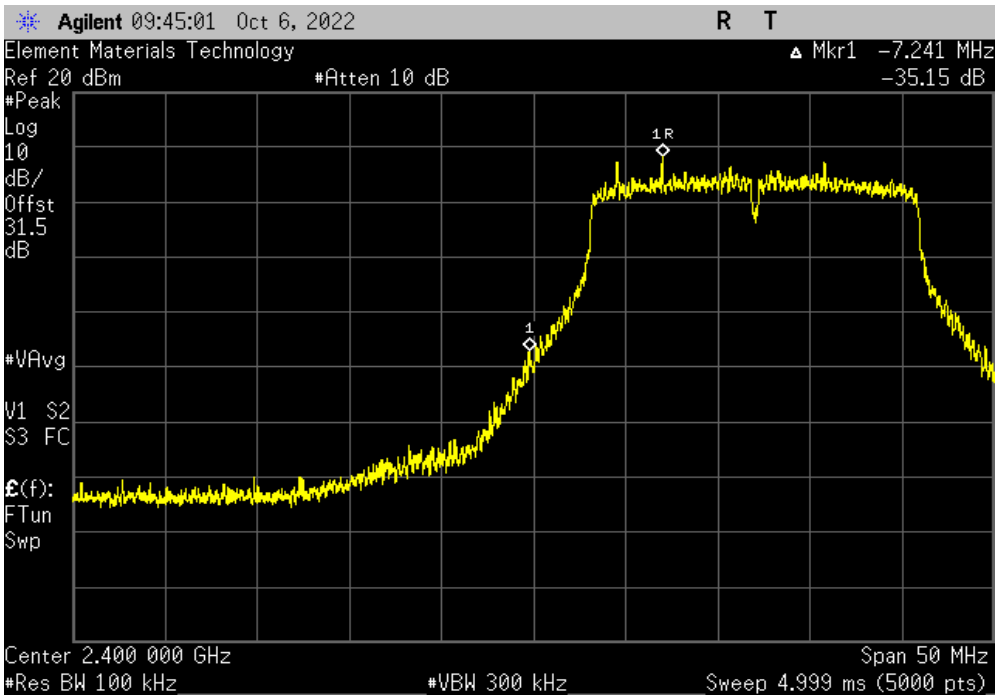


Chain 0, HT20, MCS7, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-53.5	-30	Pass

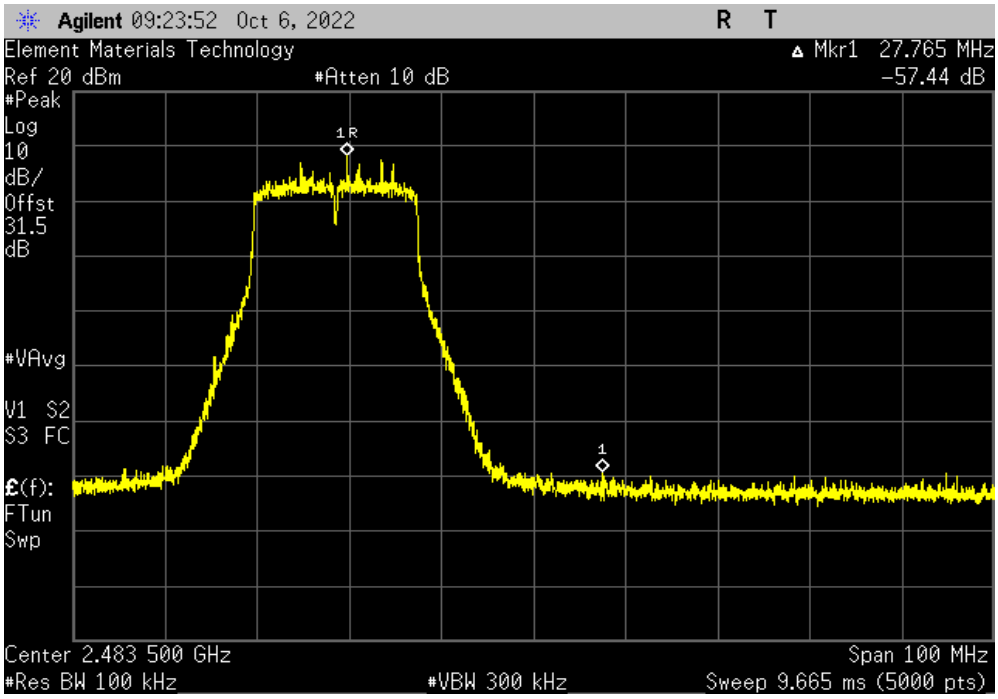


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, VHT20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-35.15	-30	Pass

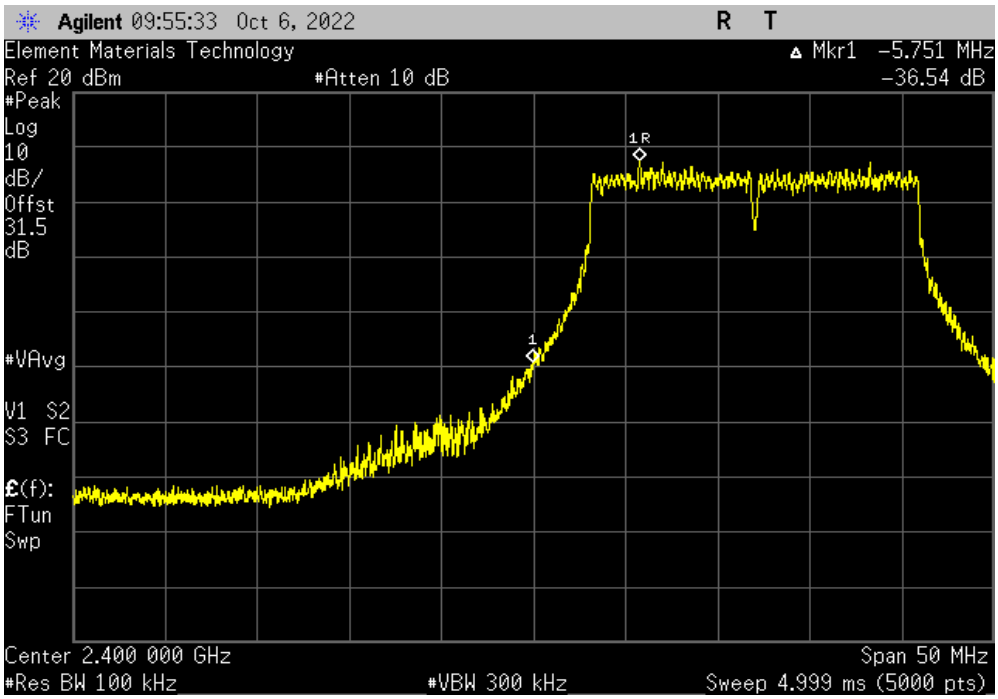


Chain 0, VHT20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-57.44	-30	Pass

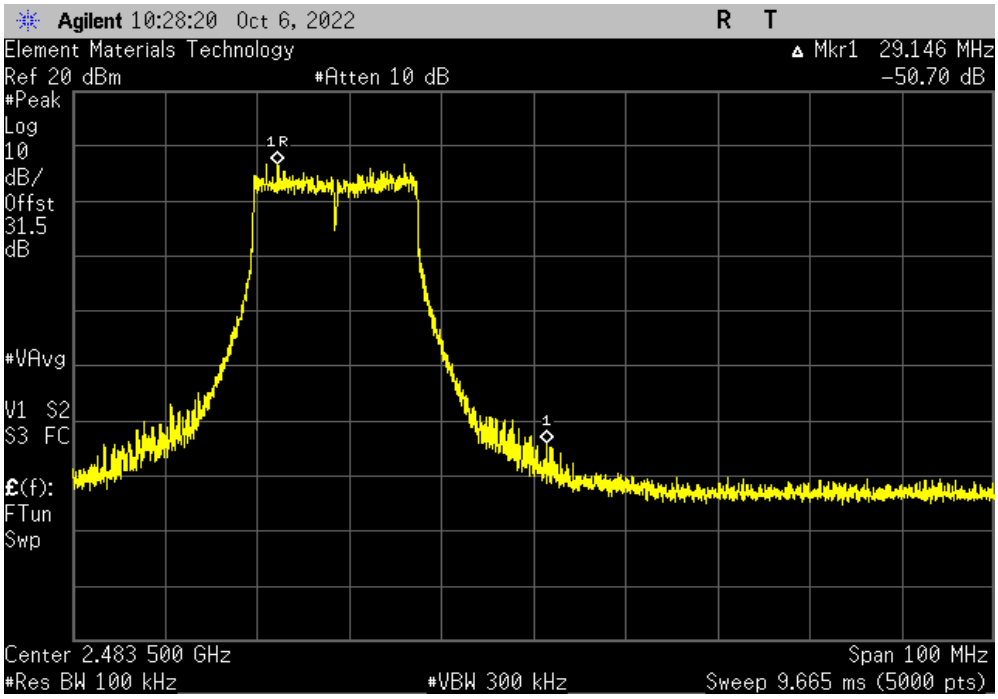


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, VHT20, MCS8, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-36.54	-30	Pass

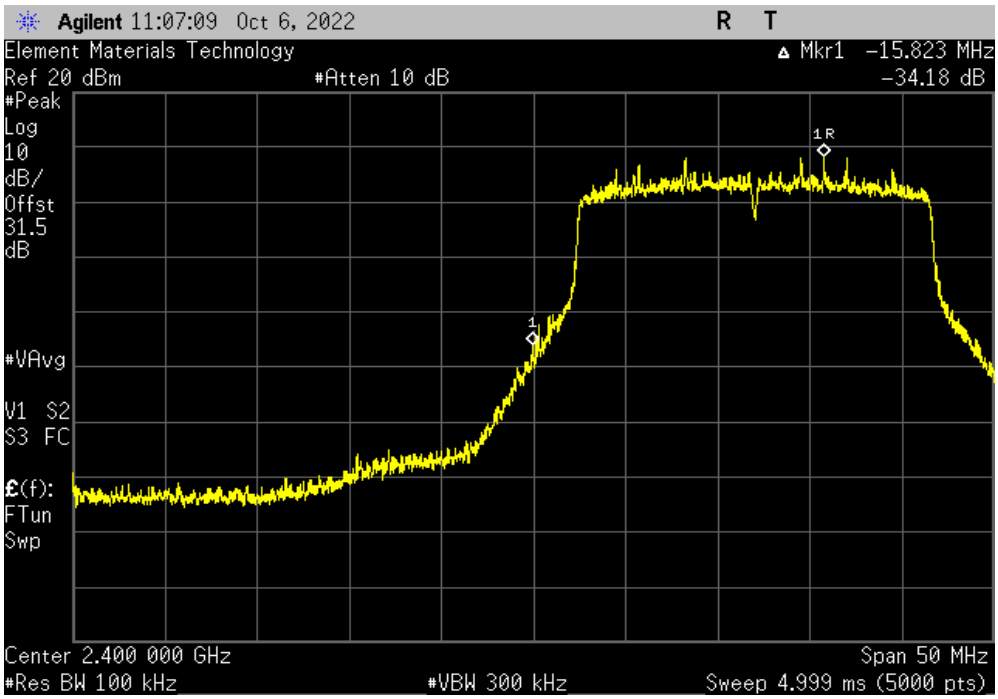


Chain 0, VHT20, MCS8, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-50.7	-30	Pass

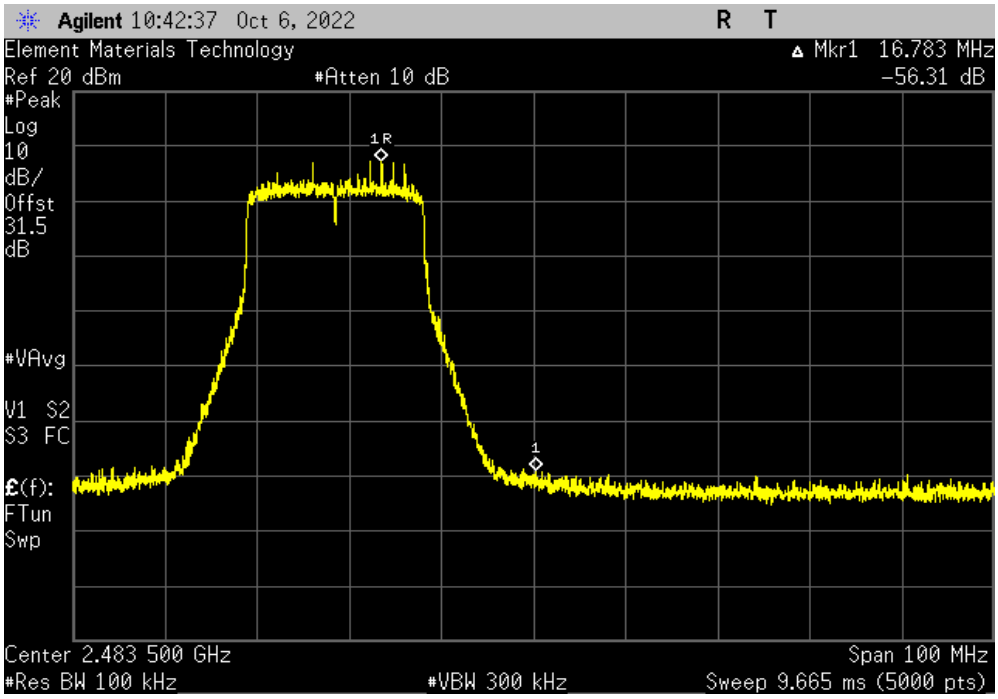


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, HE20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-34.18	-30	Pass

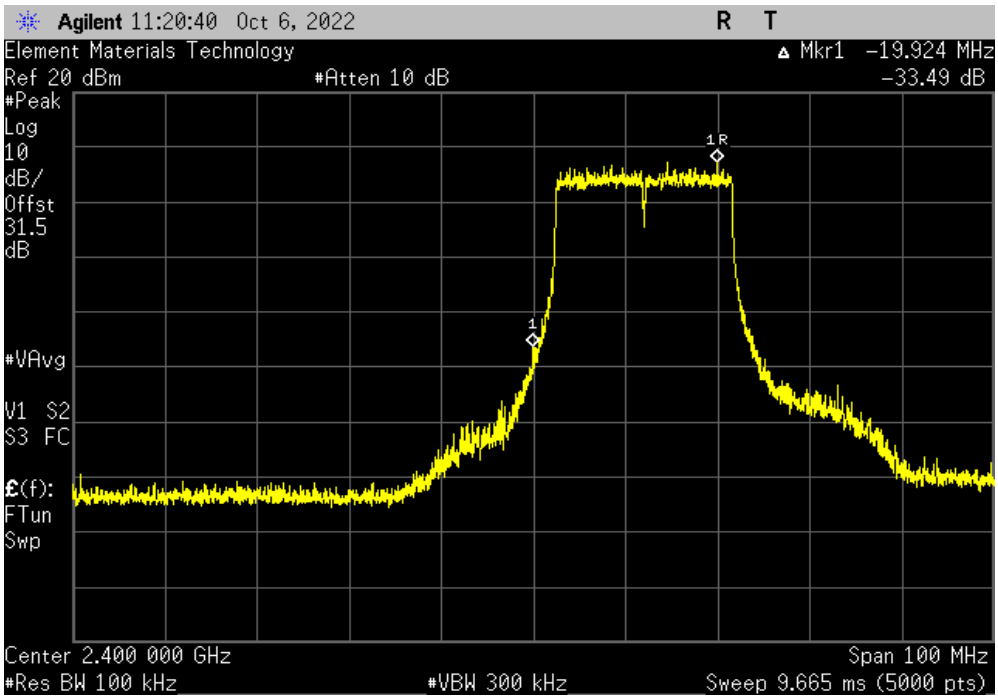


Chain 0, HE20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.31	-30	Pass

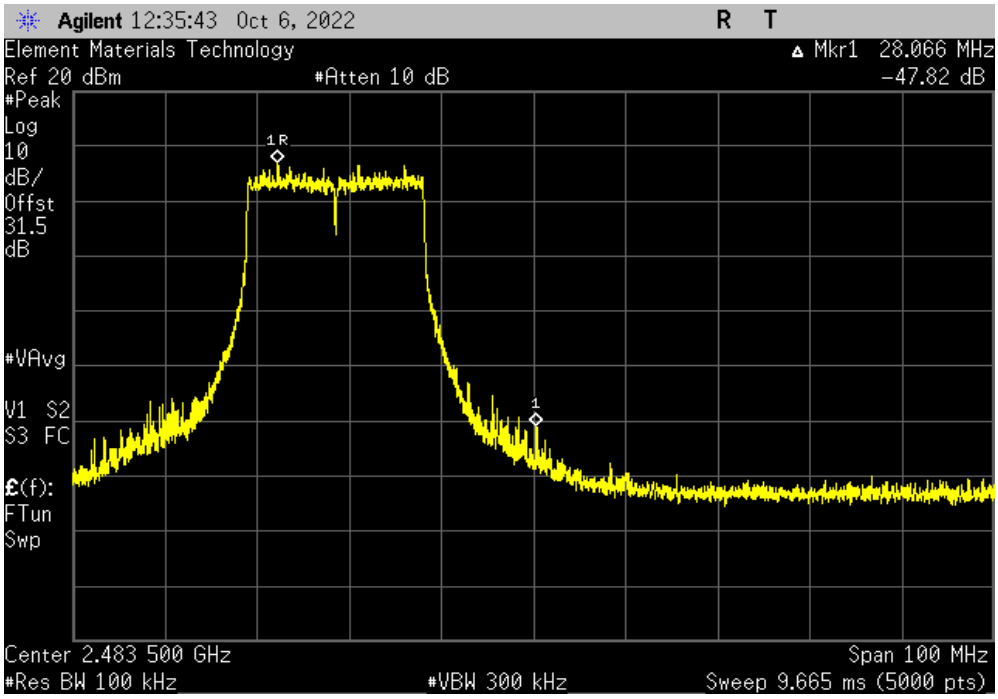


BAND EDGE COMPLIANCE - CHAIN 0

Chain 0, HE20, MCS11, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-33.49	-30	Pass



Chain 0, HE20, MCS11, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-47.82	-30	Pass



BAND EDGE COMPLIANCE - CHAIN 1

XMit 2022.02.07.0

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	Keysight	N5182B	TFU	2020-11-20	2022-11-20
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2021-12-05	2022-12-05
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Attenuator	S.M. Electronics	SA26B-20	AUY	2022-03-15	2023-03-15
Block - DC	Fairview Microwave	SD3379	AMW	2022-03-14	2023-03-14
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2022-01-26	2023-01-26

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 - CHAIN 1

TbtTx 2022.06.03.0 XMit 2022.02.07.0

EUT:	**U8 Hawk**			**Work Order:**	**KYME0068**
Serial Number:	**192F-85E2-1761**			**Date:**	**7-Oct-22**
Customer:	**Kymeta Corp.**			**Temperature:**	**22.5 °C**
Attendees:	**Dean Busch**			**Humidity:**	**43.6% RH**
Project:	**None**			**Barometric Pres.:**	**1025 mbar**
Tested by:	**Jeff Alcoke**	**Power:**	**12 VDC**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	**Test Method**
FCC 15.247:2022	ANSI C63.10:2013
RSS-247 Issue 2:2017	ANSI C63.10:2013

COMMENTS

Reference level offset includes: DC Block, 30 dB attenuation, and measurement cable.

DEVIATIONS FROM TEST STANDARD

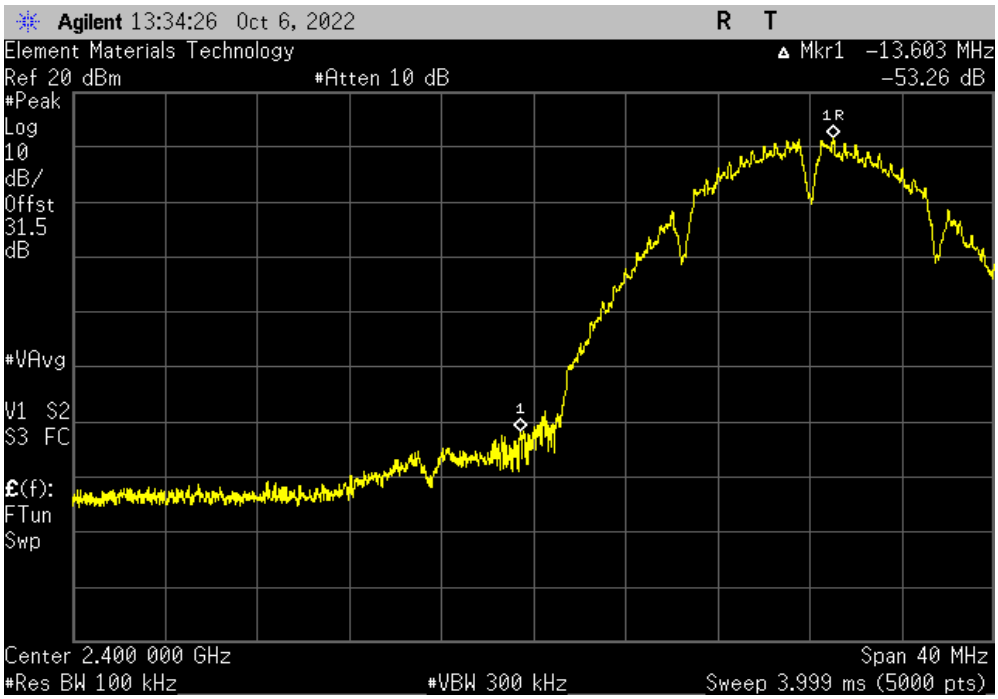
None

Configuration #	**1**	*Signature*

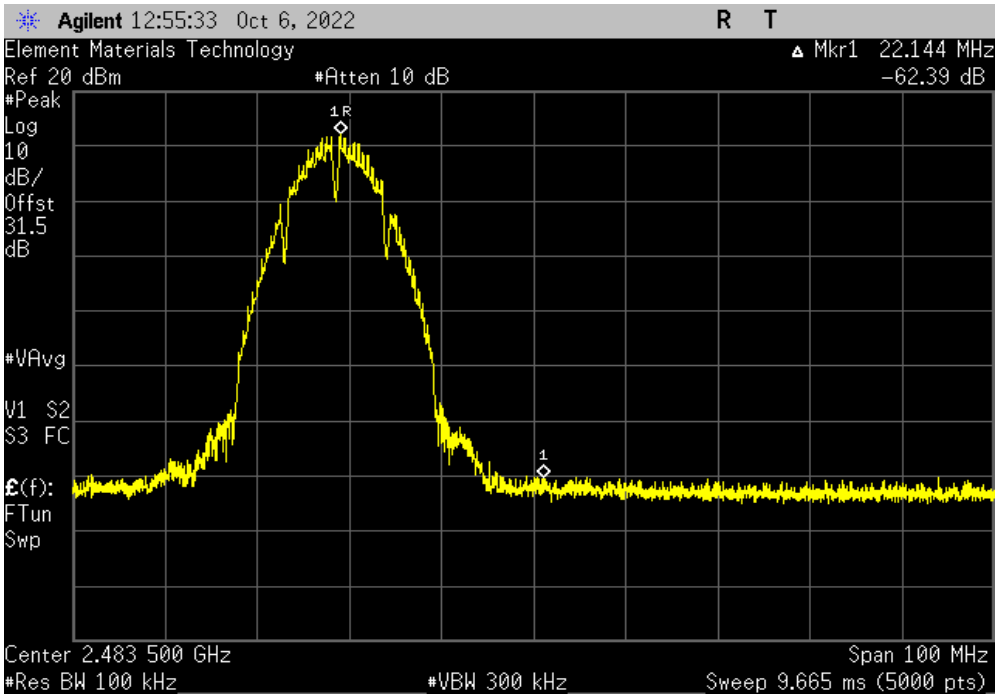
		Value (dBc)	**Limit ≤ (dBc)**	**Result**
Chain 1				
	CCK, 1 Mbps			
	Low Channel 1, 2412 MHz	-53.26	-30	Pass
	High Channel 11, 2462 MHz	-62.39	-30	Pass
	CCK, 11 Mbps			
	Low Channel 1, 2412 MHz	-55.87	-30	Pass
	High Channel 11, 2462 MHz	-61	-30	Pass
	Legacy OFDM, 6 Mbps			
	Low Channel 1, 2412 MHz	-39.95	-30	Pass
	High Channel 11, 2462 MHz	-59.43	-30	Pass
	Legacy OFDM, 36 Mbps			
	Low Channel 1, 2412 MHz	-39.04	-30	Pass
	High Channel 11, 2462 MHz	-49.97	-30	Pass
	Legacy OFDM, 54 Mbps			
	Low Channel 1, 2412 MHz	-37.13	-30	Pass
	High Channel 11, 2462 MHz	-48.62	-30	Pass
	HT20, MCS0			
	Low Channel 1, 2412 MHz	-37.48	-30	Pass
	High Channel 11, 2462 MHz	-57.66	-30	Pass
	HT20, MCS7			
	Low Channel 1, 2412 MHz	-36.17	-30	Pass
	High Channel 11, 2462 MHz	-51.74	-30	Pass
	VHT20, MCS0			
	Low Channel 1, 2412 MHz	-37.13	-30	Pass
	High Channel 11, 2462 MHz	-56.23	-30	Pass
	VHT20, MCS8			
	Low Channel 1, 2412 MHz	-36.23	-30	Pass
	High Channel 11, 2462 MHz	-50.45	-30	Pass
	HE20, MCS0			
	Low Channel 1, 2412 MHz	-38.41	-30	Pass
	High Channel 11, 2462 MHz	-56.88	-30	Pass
	HE20, MCS11			
	Low Channel 1, 2412 MHz	-38.02	-30	Pass
	High Channel 11, 2462 MHz	-49.63	-30	Pass

BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, CCK, 1 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-53.26	-30	Pass

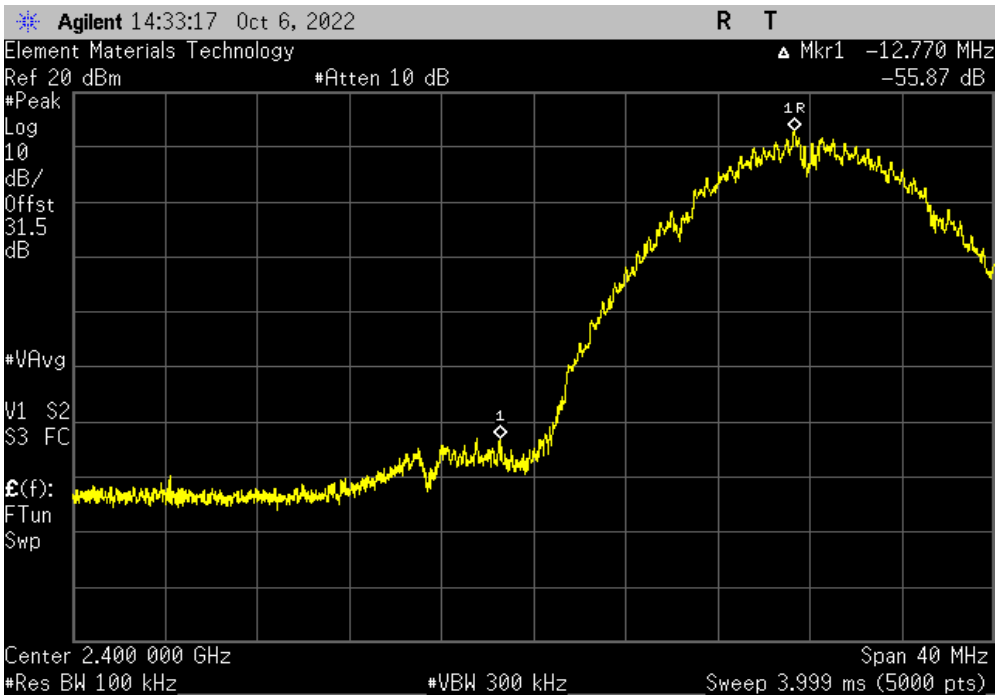


Chain 1, CCK, 1 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-62.39	-30	Pass

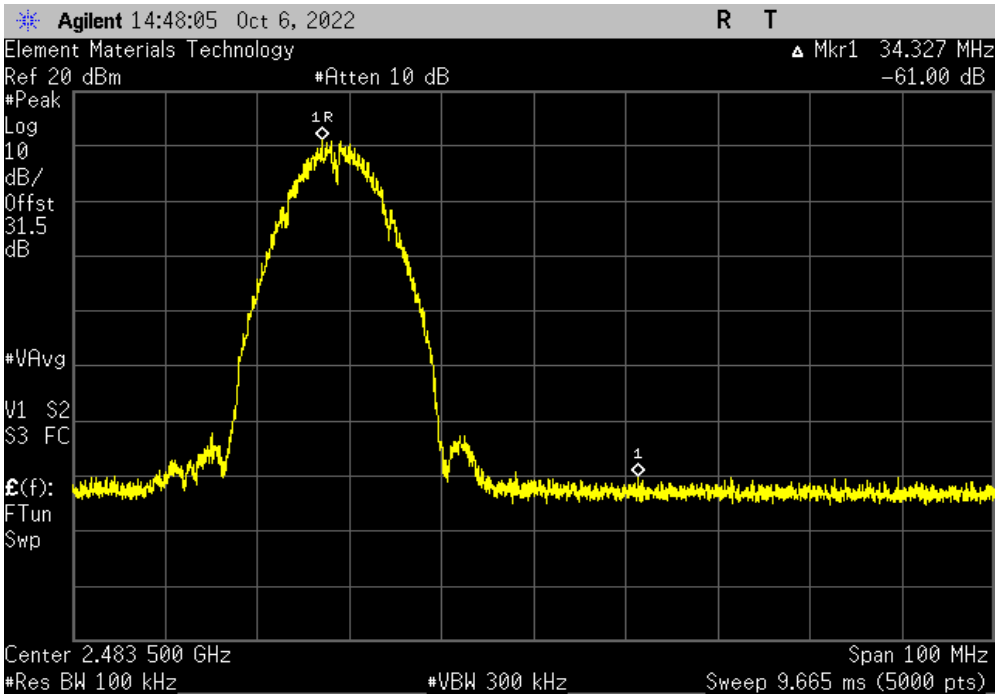


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, CCK, 11 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-55.87	-30	Pass

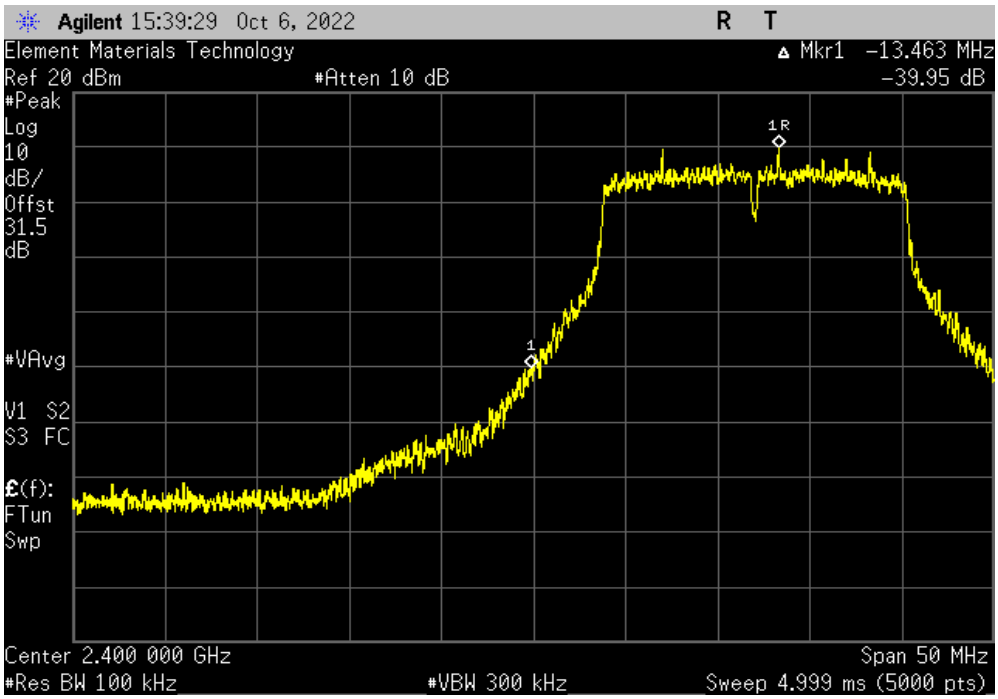


Chain 1, CCK, 11 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-61	-30	Pass

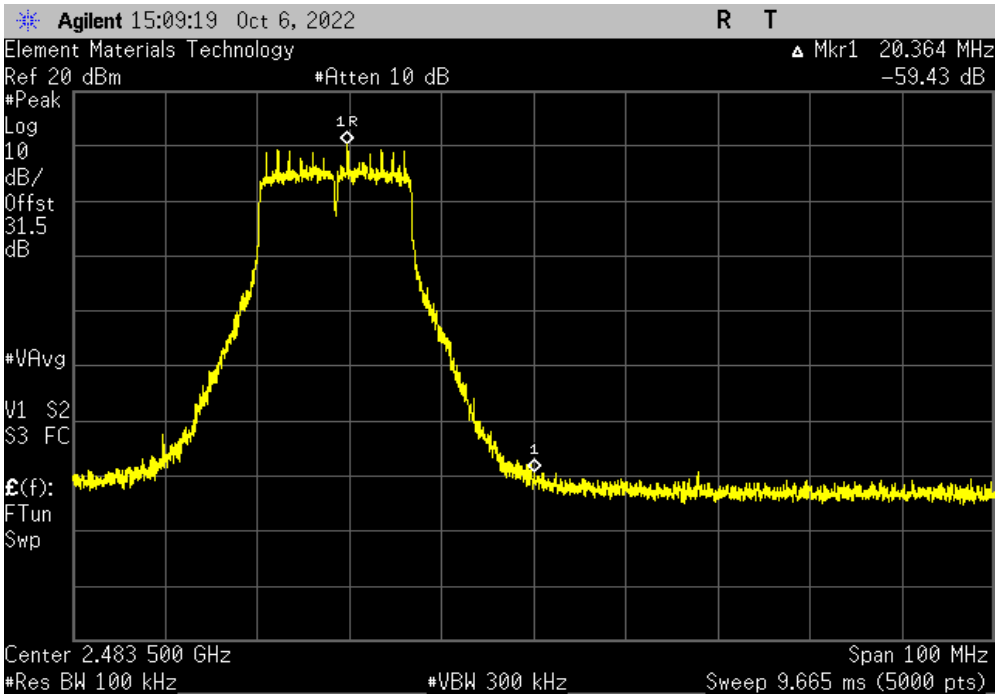


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, Legacy OFDM, 6 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-39.95	-30	Pass

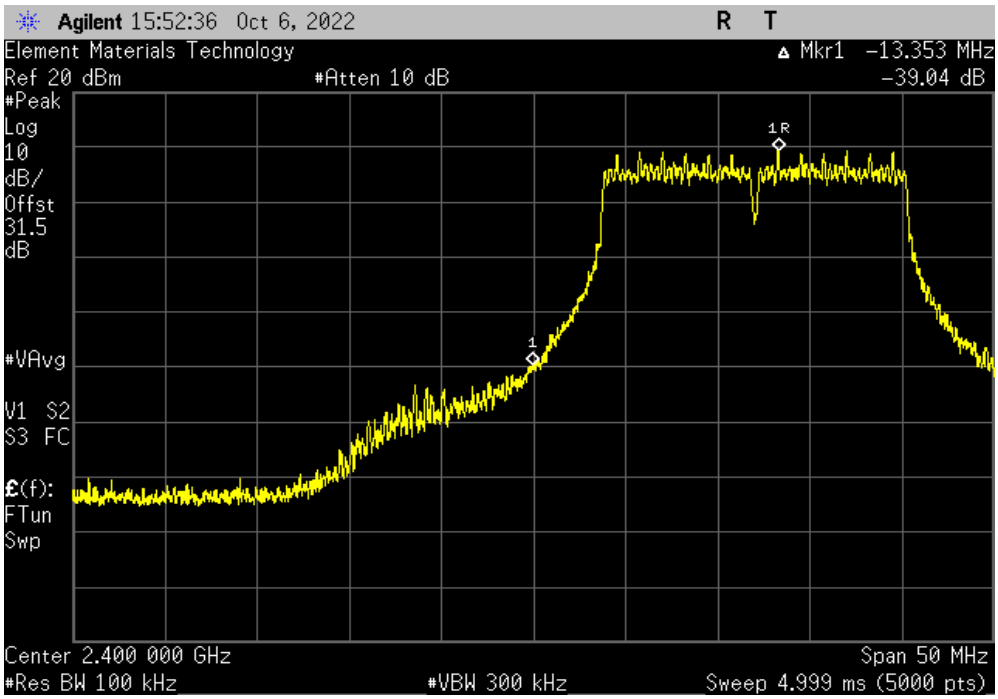


Chain 1, Legacy OFDM, 6 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-59.43	-30	Pass

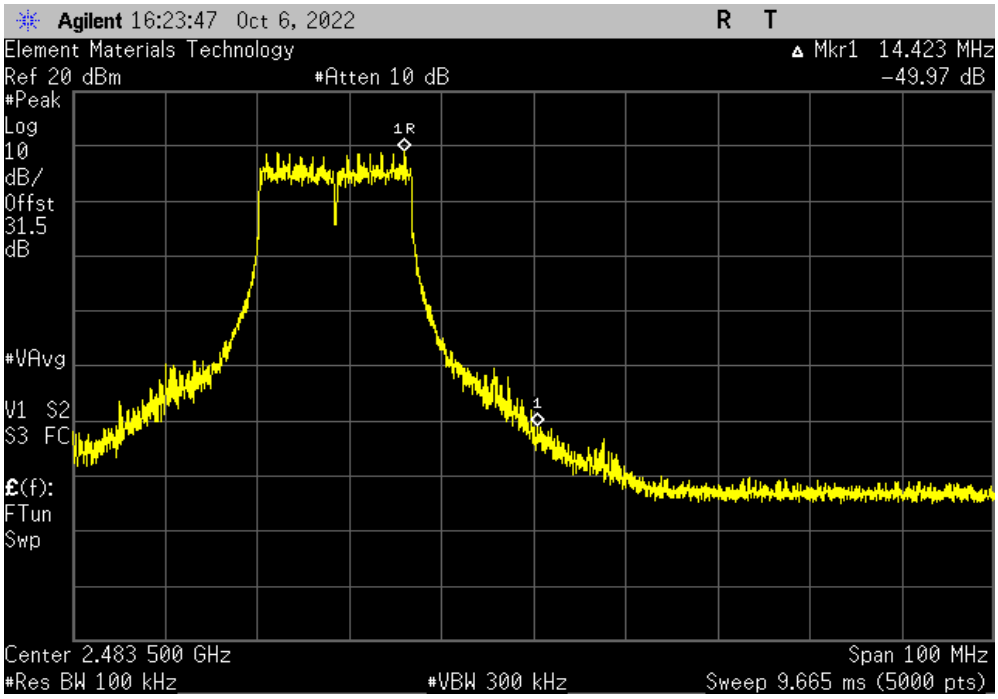


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, Legacy OFDM, 36 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-39.04	-30	Pass

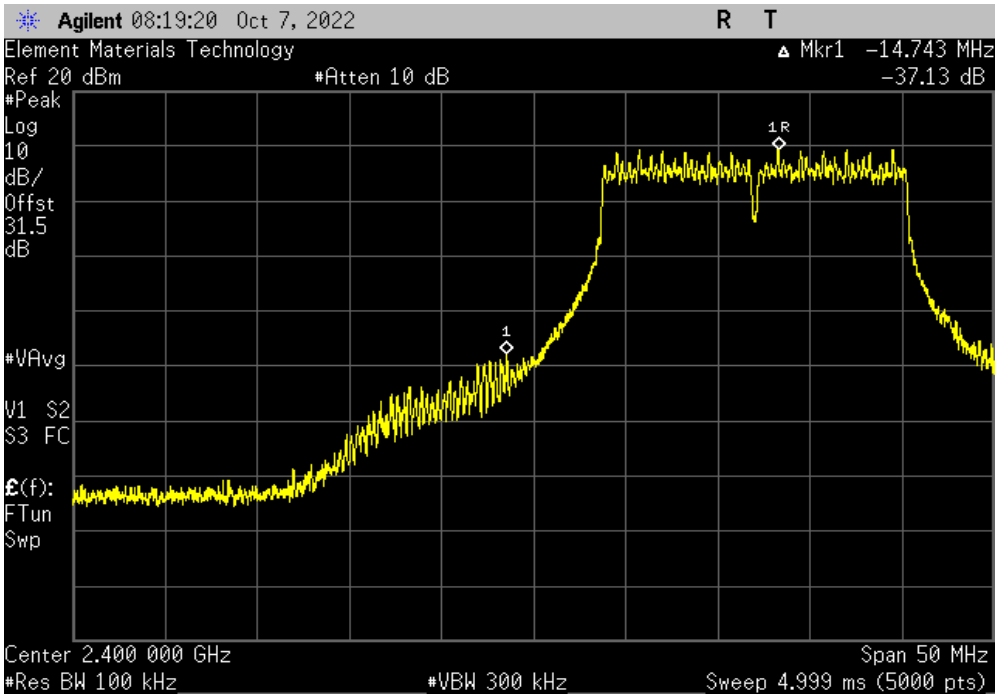


Chain 1, Legacy OFDM, 36 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-49.97	-30	Pass

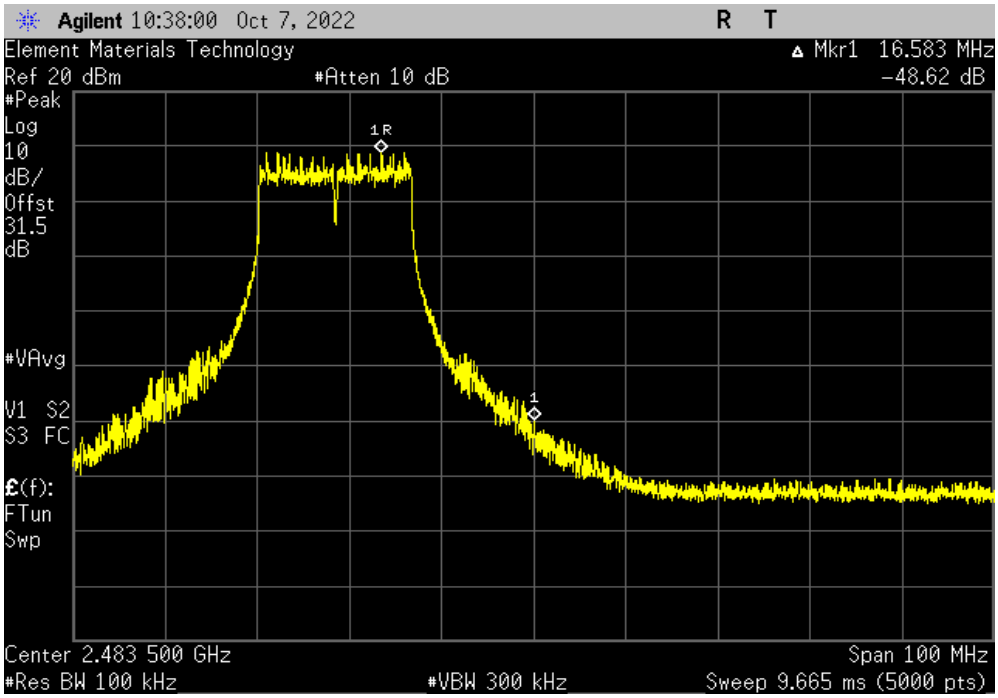


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, Legacy OFDM, 54 Mbps, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-37.13	-30	Pass

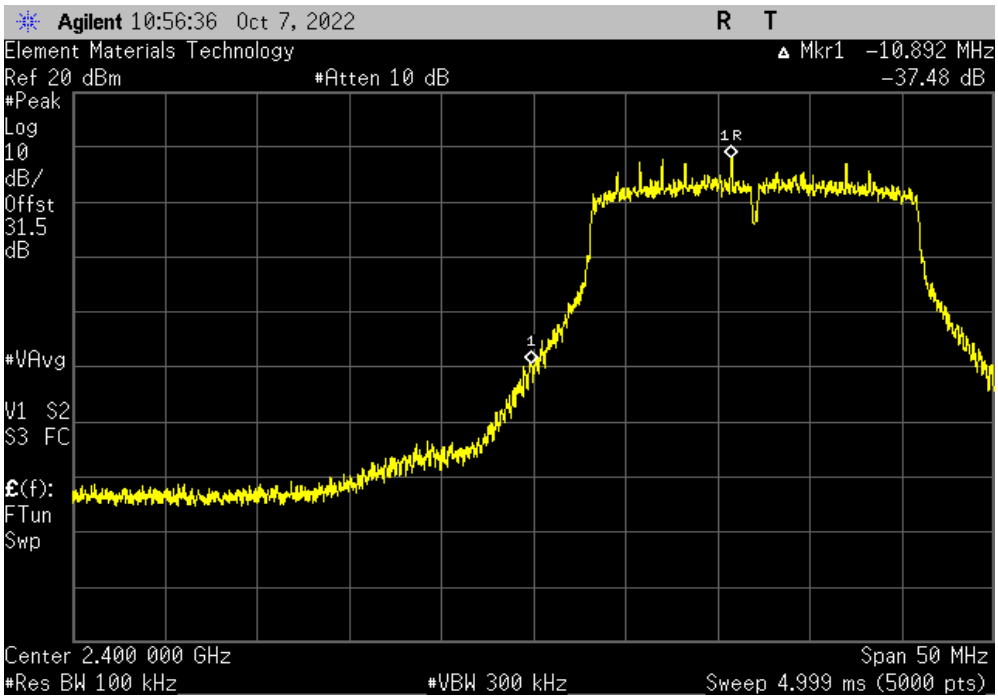


Chain 1, Legacy OFDM, 54 Mbps, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-48.62	-30	Pass

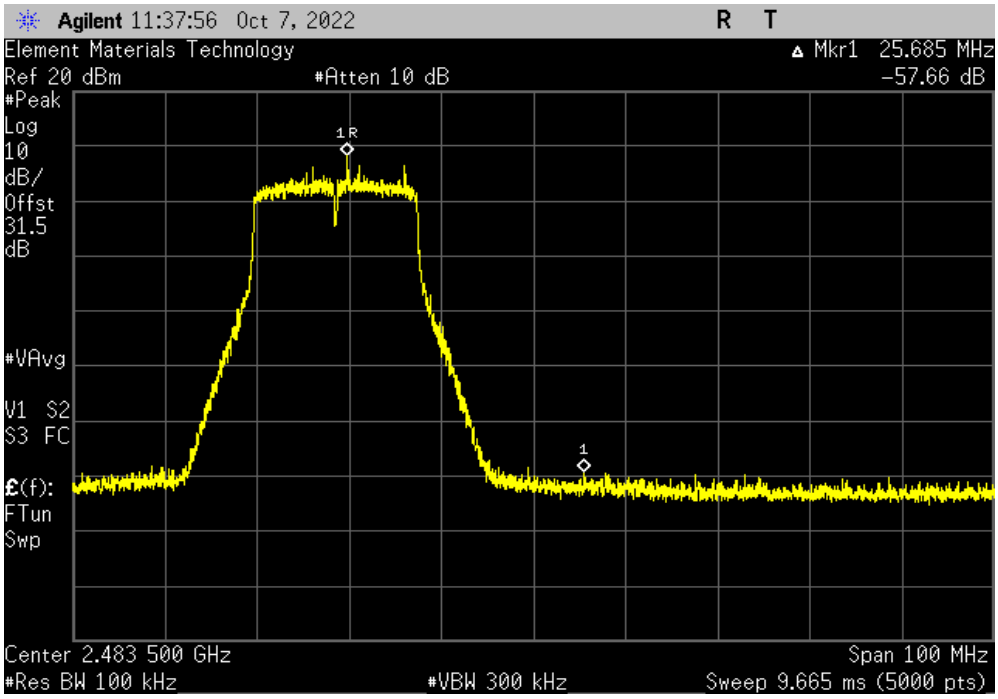


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, HT20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-37.48	-30	Pass

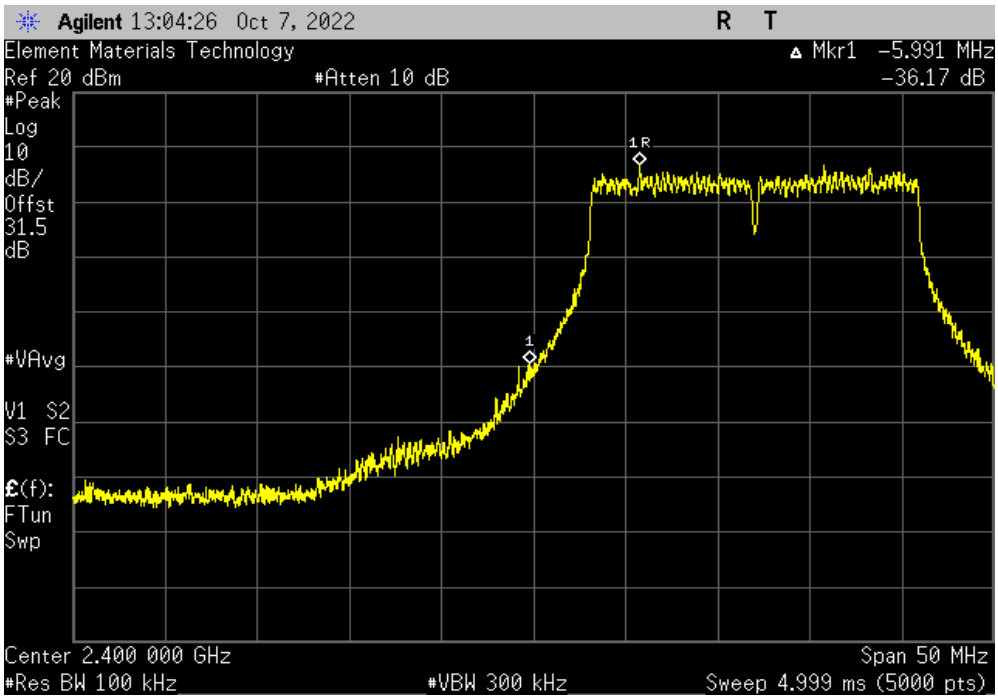


Chain 1, HT20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-57.66	-30	Pass

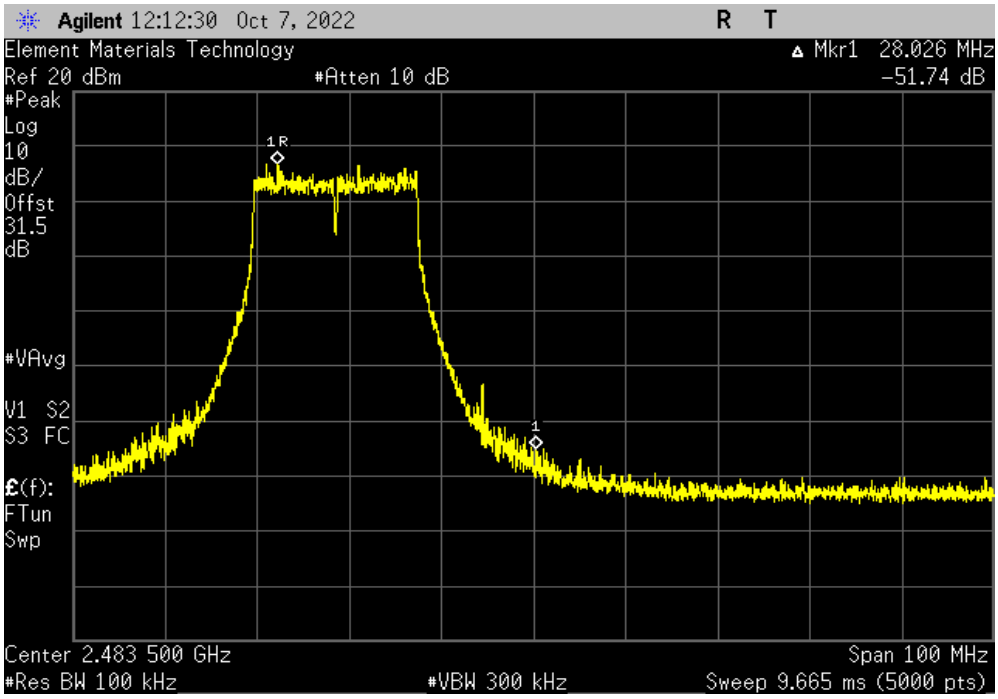


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, HT20, MCS7, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-36.17	-30	Pass

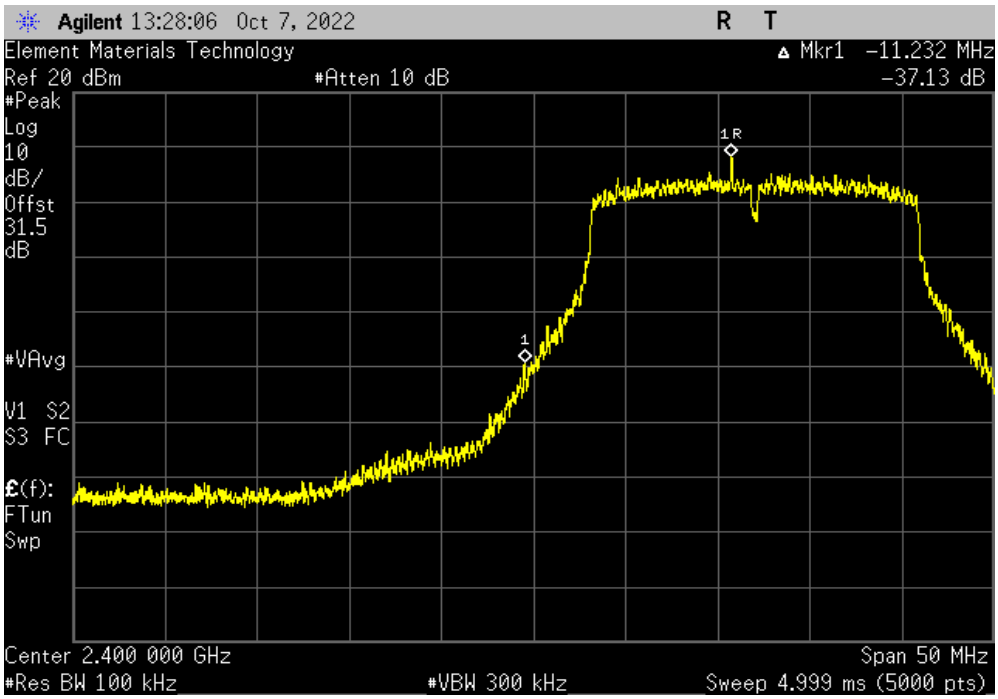


Chain 1, HT20, MCS7, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-51.74	-30	Pass

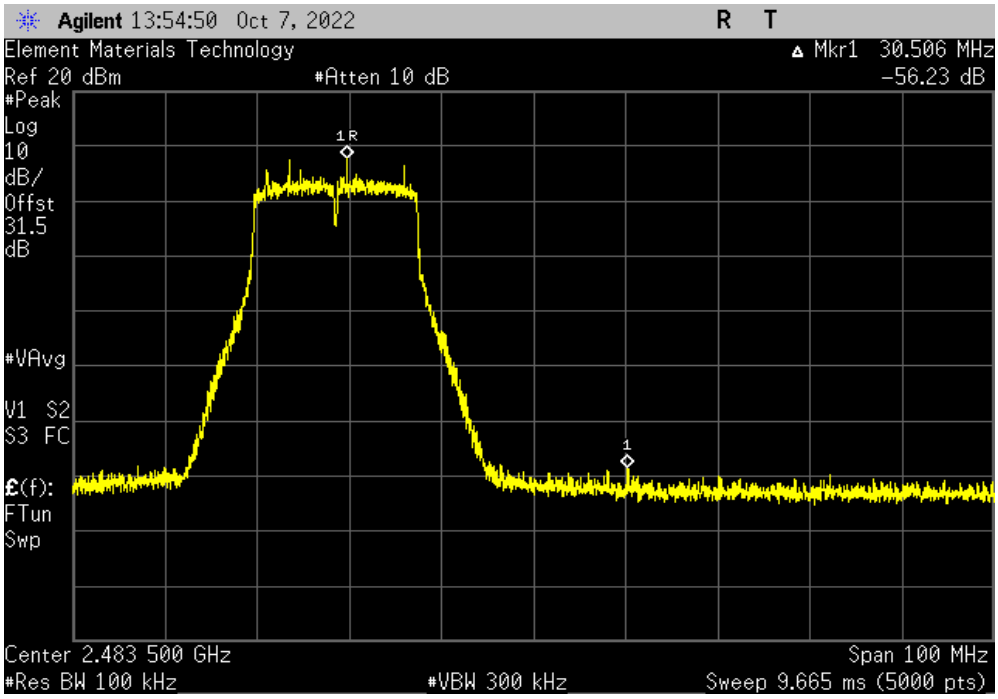


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, VHT20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-37.13	-30	Pass



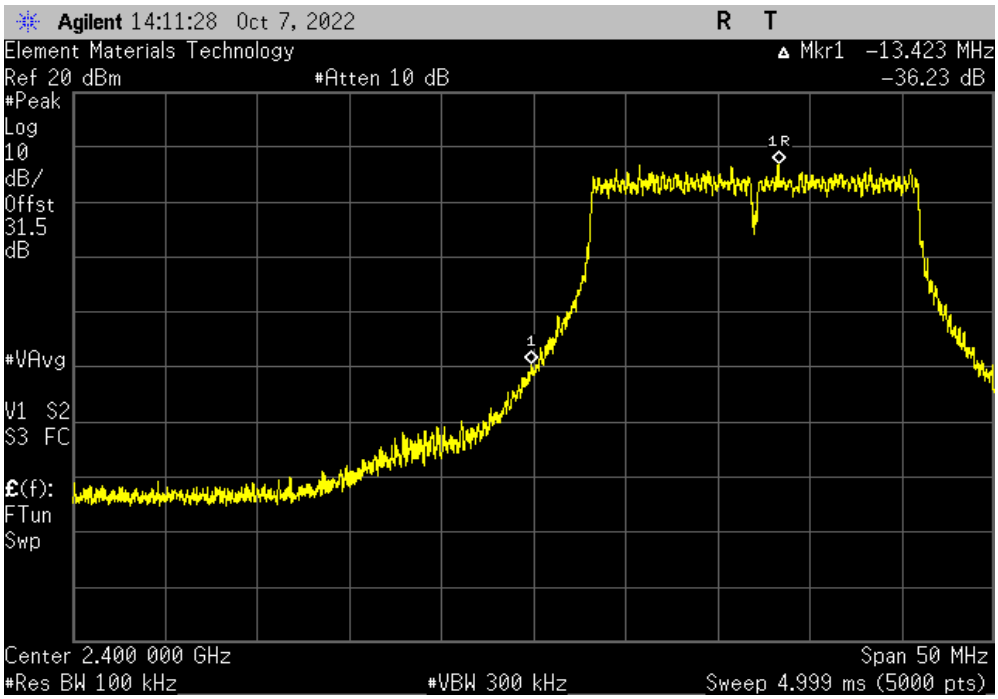
Chain 1, VHT20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.23	-30	Pass



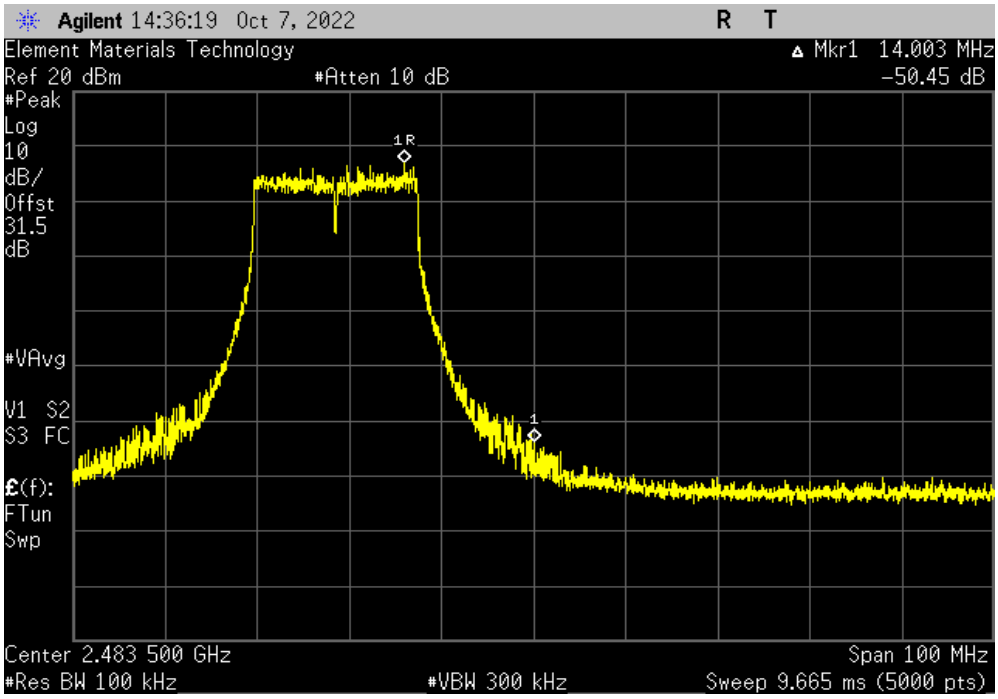
BAND EDGE COMPLIANCE - CHAIN 1

TbtTx 2022.06.03.0 XMit 2022.02.07.0

Chain 1, VHT20, MCS8, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-36.23	-30	Pass

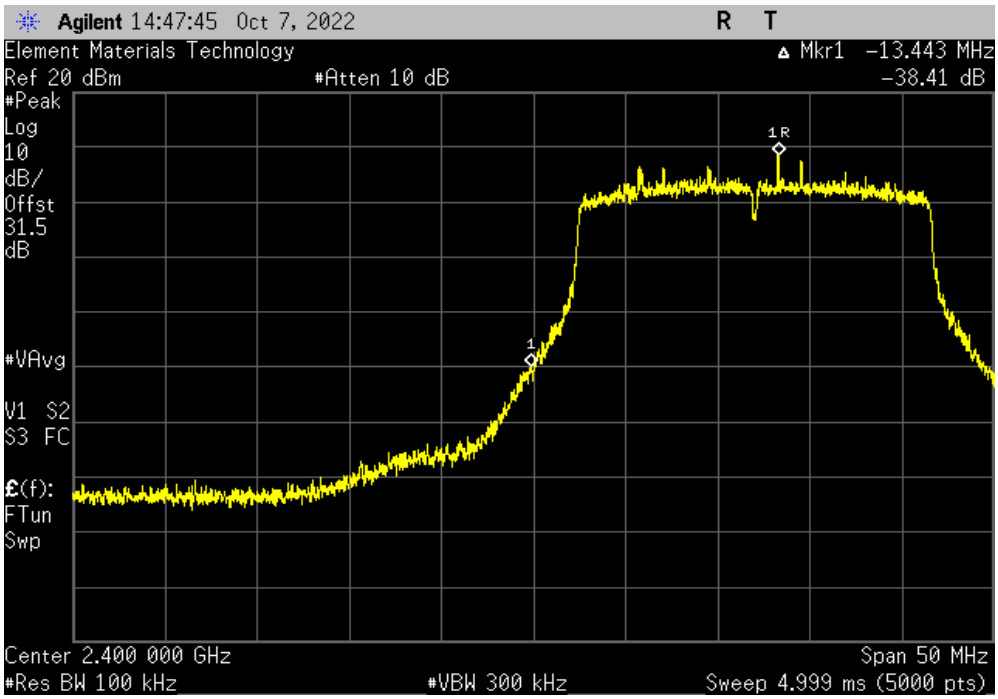


Chain 1, VHT20, MCS8, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-50.45	-30	Pass

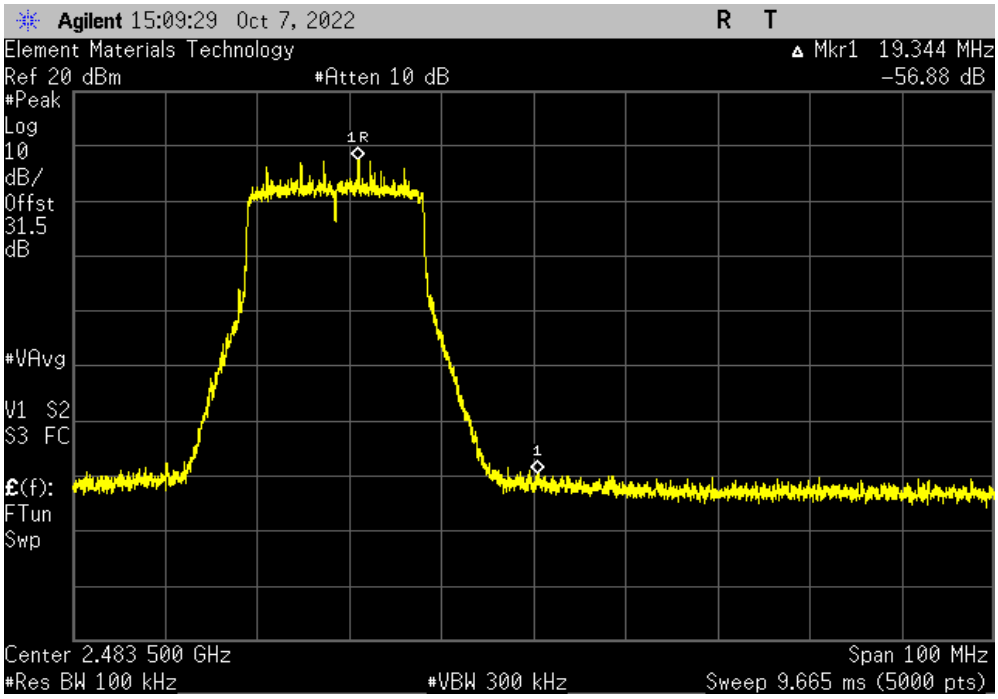


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, HE20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-38.41	-30	Pass

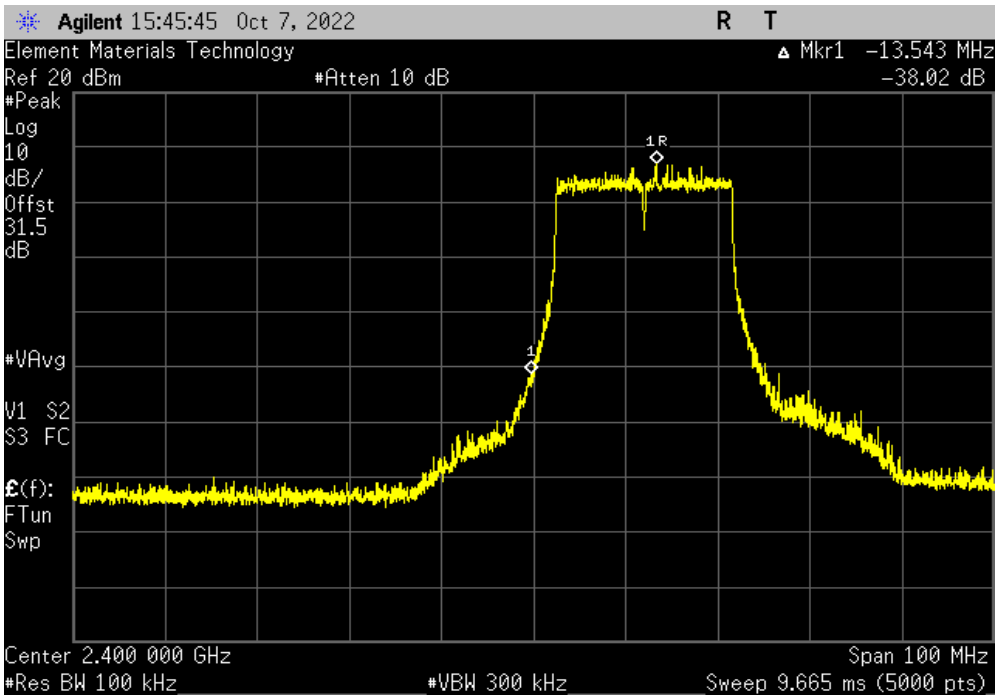


Chain 1, HE20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.88	-30	Pass

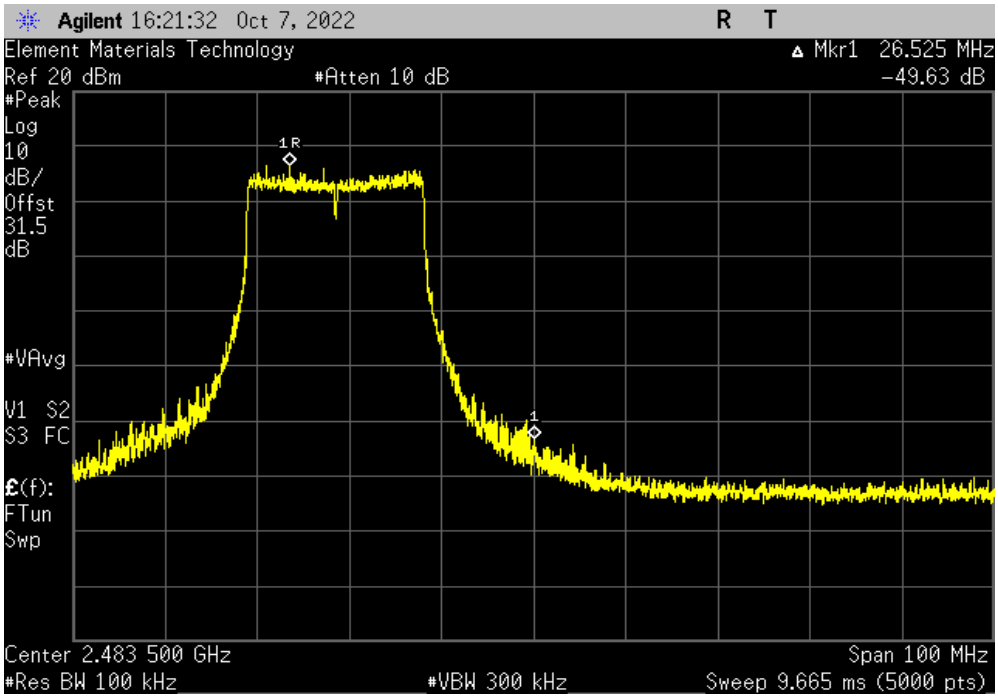


BAND EDGE COMPLIANCE - CHAIN 1

Chain 1, HE20, MCS11, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-38.02	-30	Pass



Chain 1, HE20, MCS11, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-49.63	-30	Pass



BAND EDGE COMPLIANCE - MIMO

XMit 2023.02.14.0

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 - 2023

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Generator - Signal	Keysight	N5182B	TFU	2022-12-02	2024-12-02
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2022-12-02	2023-12-02
Attenuator	S.M. Electronics	SA26B-20	AUY	2023-03-13	2024-03-13
Block - DC	Fairview Microwave	SD3379	AMW	2023-03-13	2024-03-13
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2023-02-06	2024-02-06

TEST EQUIPMENT - 2022

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Keysight	N5182B	TFU	2020-11-20	2022-11-20
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2021-12-05	2022-12-05
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Attenuator	S.M. Electronics	SA26B-20	AUY	2022-03-15	2023-03-15
Block - DC	Fairview Microwave	SD3379	AMW	2022-03-14	2023-03-14
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2022-01-26	2023-01-26

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.

BAND EDGE COMPLIANCE - MIMO

element

TbtTx 2022.06.03.0 XMit 2023.02.14.0

EUT:	**U8 Hawk**			**Work Order:**	**KYME0068**
Serial Number:	**See configuration**			**Date:**	**03/15/23**
Customer:	**Kymeta Corp.**			**Temperature:**	**19.3°C**
Attendees:	**Dean Busch and Mike Olsen**			**Humidity:**	**41%**
Project:	**None**			**Barometric Pres.:**	**1008 mbar**
Tested by:	**Jeff Alcoke**	**Power:**	**12VDC**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	**Test Method**
FCC 15.247:2022	ANSI C63.10:2013
RSS-247 Issue 2:2017	ANSI C63.10:2013

COMMENTS

All measurments collected before 2023, were performed on configuration KYME0068-1. Reference level offset includes: DC block, 30 dB attenuation, and measurement cable.

The port that is not being measured was terminated by a 50 Ohm load.

DEVIATIONS FROM TEST STANDARD

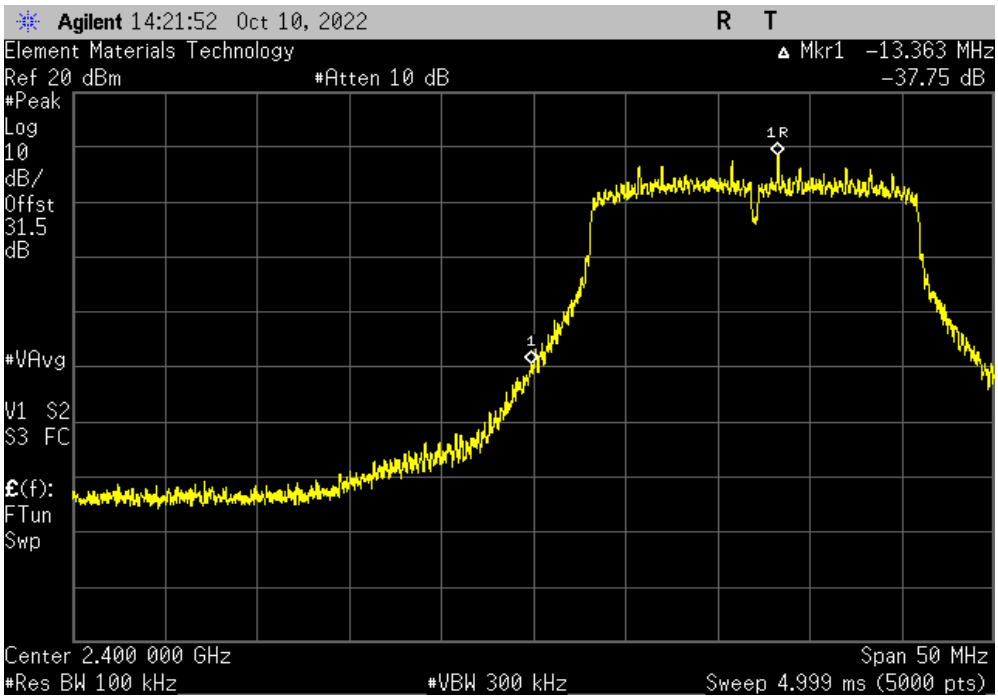
None

Configuration #	**KYME0068-1** **KYME0068-5**	*Signature*

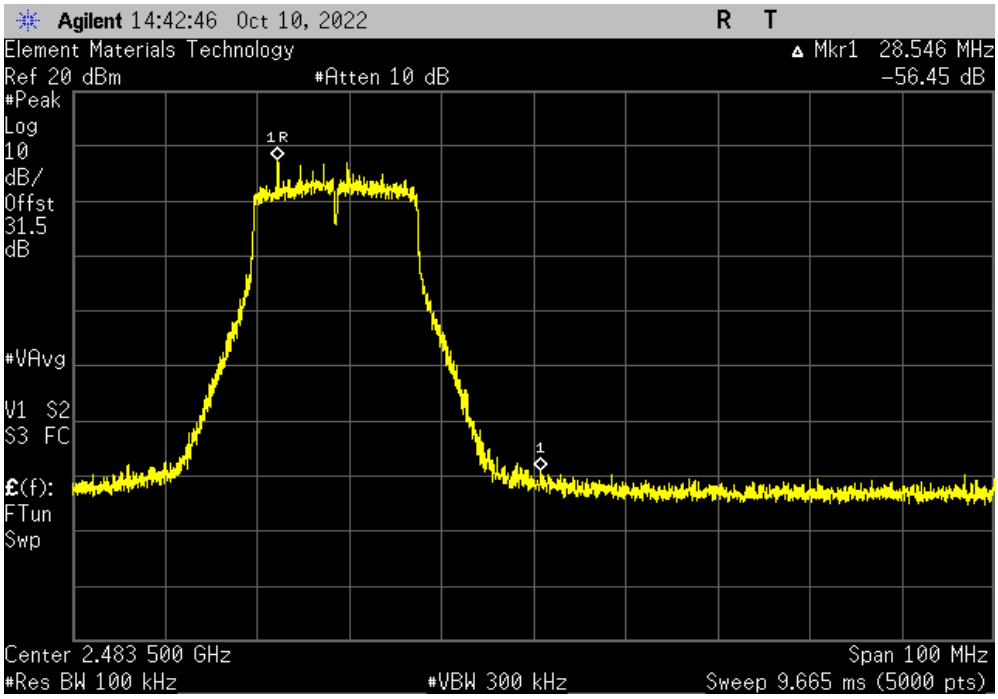
		Value (dBc)	**Limit ≤ (dBc)**	**Result**
MIMO - Chain 0				
	HT20, MCS8			
	Low Channel 1, 2412 MHz	-37.75	-30	Pass
	High Channel 11, 2462 MHz	-56.45	-30	Pass
	HT20, MCS15			
	Low Channel 1, 2412 MHz	-35.75	-30	Pass
	High Channel 11, 2462 MHz	-52.1	-30	Pass
	VHT20, MCS0			
	Low Channel 1, 2412 MHz	-35.34	-30	Pass
	High Channel 11, 2462 MHz	-56.62	-30	Pass
	VHT20, MCS8			
	Low Channel 1, 2412 MHz	-35.18	-30	Pass
	High Channel 11, 2462 MHz	-52.34	-30	Pass
	HE20, MCS0			
	Low Channel 1, 2412 MHz	-34.81	-30	Pass
	High Channel 11, 2462 MHz	-55.95	-30	Pass
	HE20, MCS11			
	Low Channel 1, 2412 MHz	-34.38	-30	Pass
	High Channel 11, 2462 MHz	-50.69	-30	Pass
MIMO - Chain 1				
	HT20, MCS8			
	Low Channel 1, 2412 MHz	-36.19	-30	Pass
	High Channel 11, 2462 MHz	-56.35	-30	Pass
	HT20, MCS15			
	Low Channel 1, 2412 MHz	-36.82	-30	Pass
	High Channel 11, 2462 MHz	-49.52	-30	Pass
	VHT20, MCS0			
	Low Channel 1, 2412 MHz	-36.83	-30	Pass
	High Channel 11, 2462 MHz	-57.77	-30	Pass
	VHT20, MCS8			
	Low Channel 1, 2412 MHz	-34.85	-30	Pass
	High Channel 11, 2462 MHz	-52.11	-30	Pass
	HE20, MCS0			
	Low Channel 1, 2412 MHz	-36.25	-30	Pass
	High Channel 11, 2462 MHz	-56.49	-30	Pass
	HE20, MCS11			
	Low Channel 1, 2412 MHz	-35.52	-30	Pass
	High Channel 11, 2462 MHz	-49.76	-30	Pass

BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 0, HT20, MCS8, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-37.75	-30	Pass

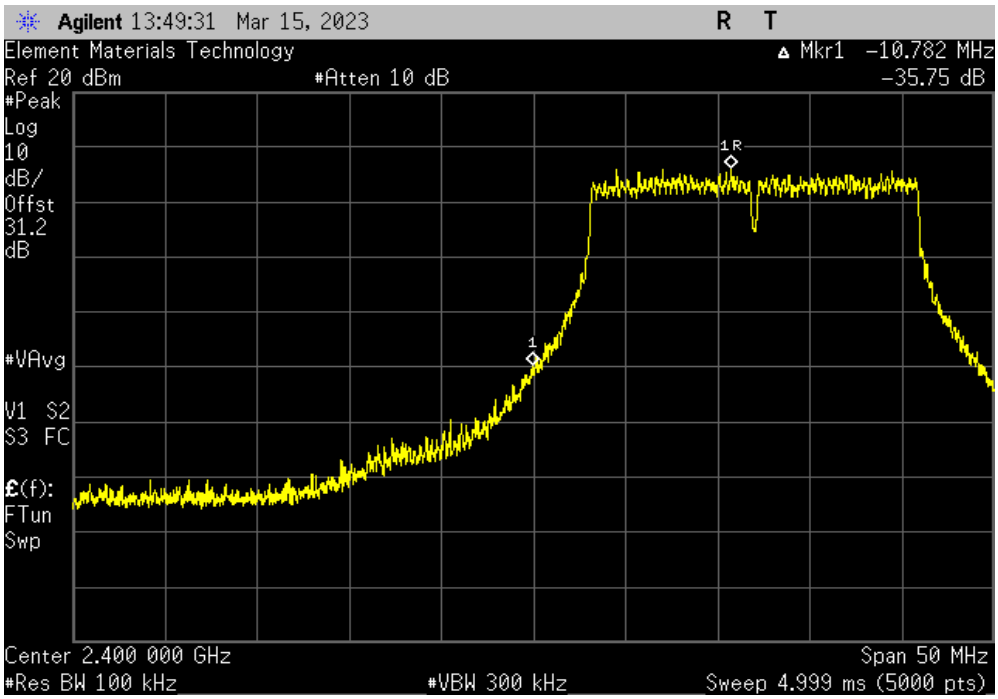


MIMO - Chain 0, HT20, MCS8, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.45	-30	Pass

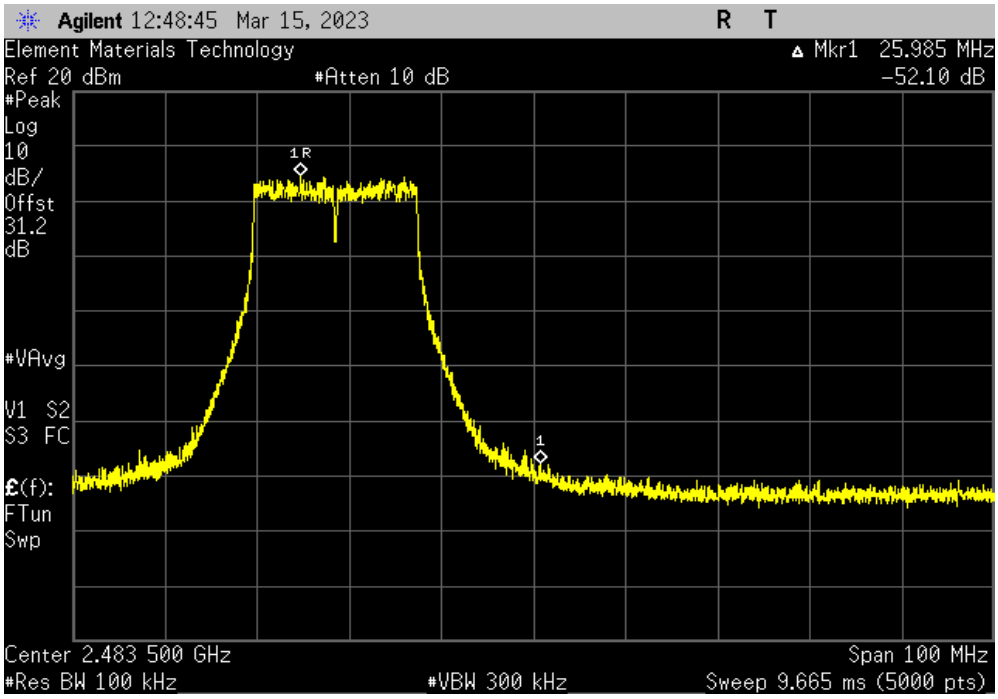


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 0, HT20, MCS15, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-35.75	-30	Pass

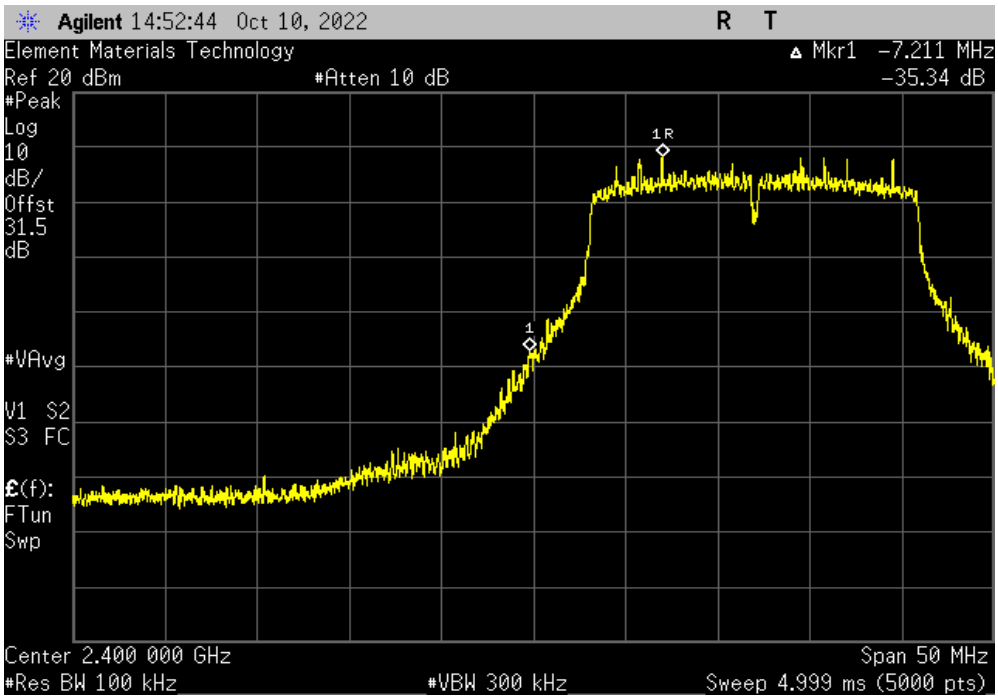


MIMO - Chain 0, HT20, MCS15, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-52.1	-30	Pass

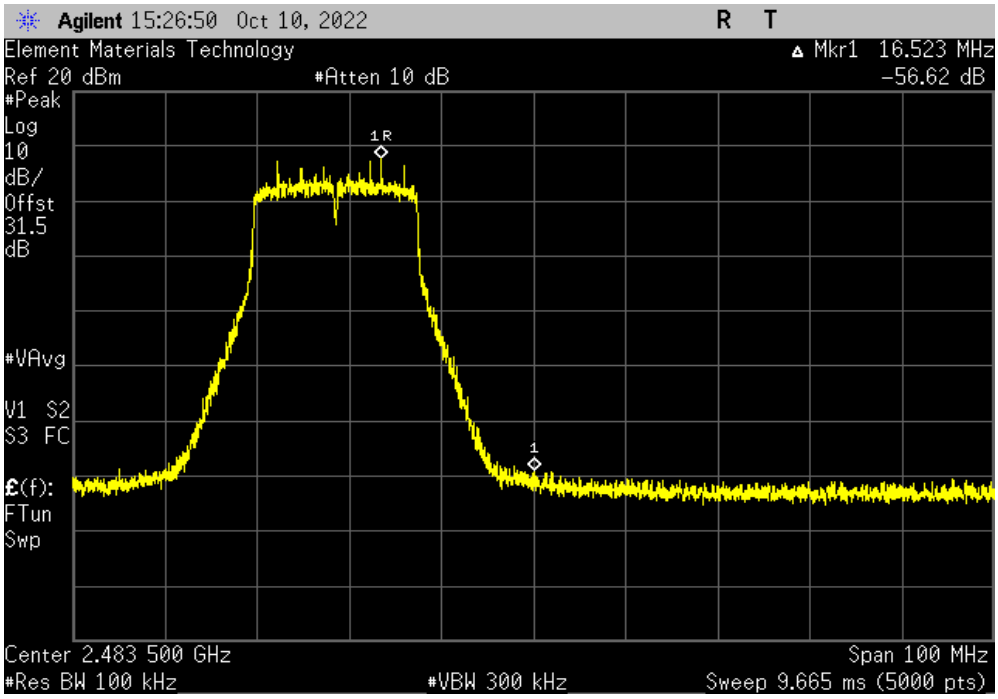


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 0, VHT20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-35.34	-30	Pass

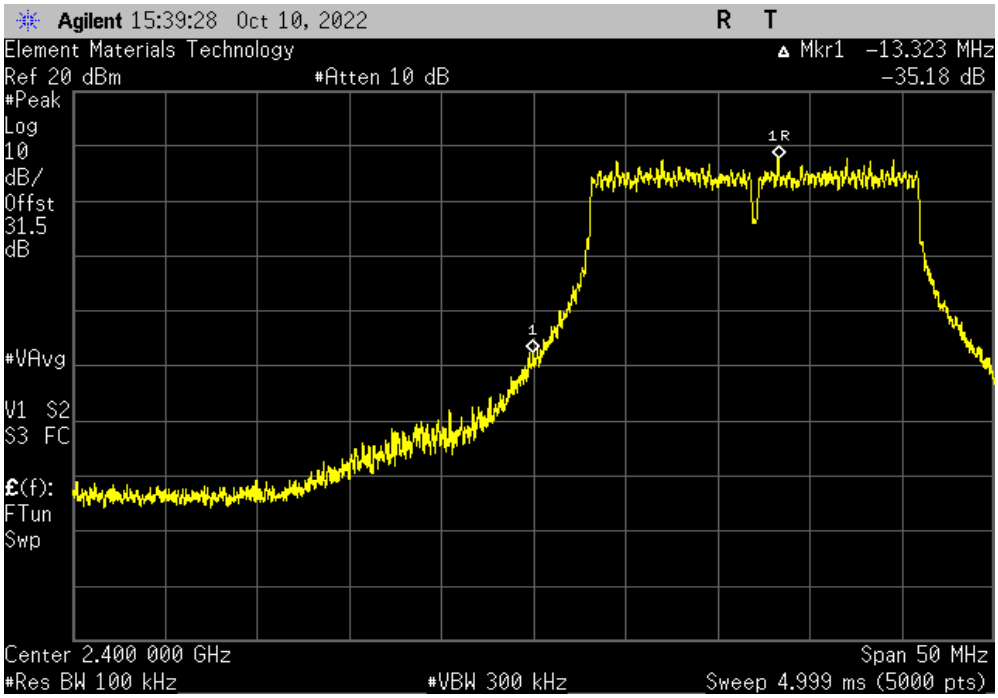


MIMO - Chain 0, VHT20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.62	-30	Pass

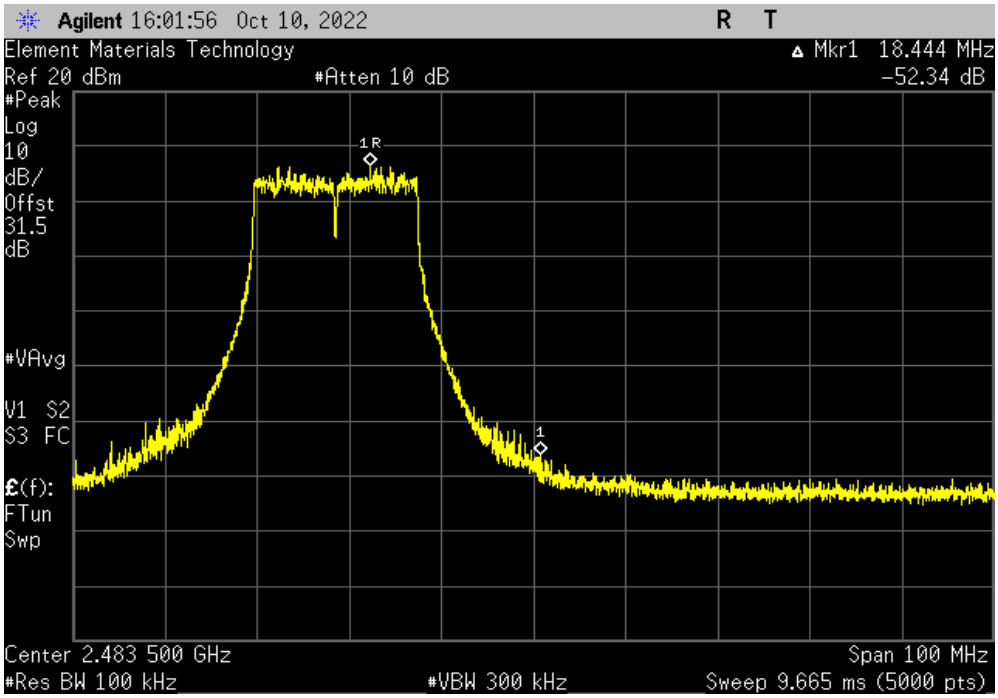


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 0, VHT20, MCS8, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-35.18	-30	Pass

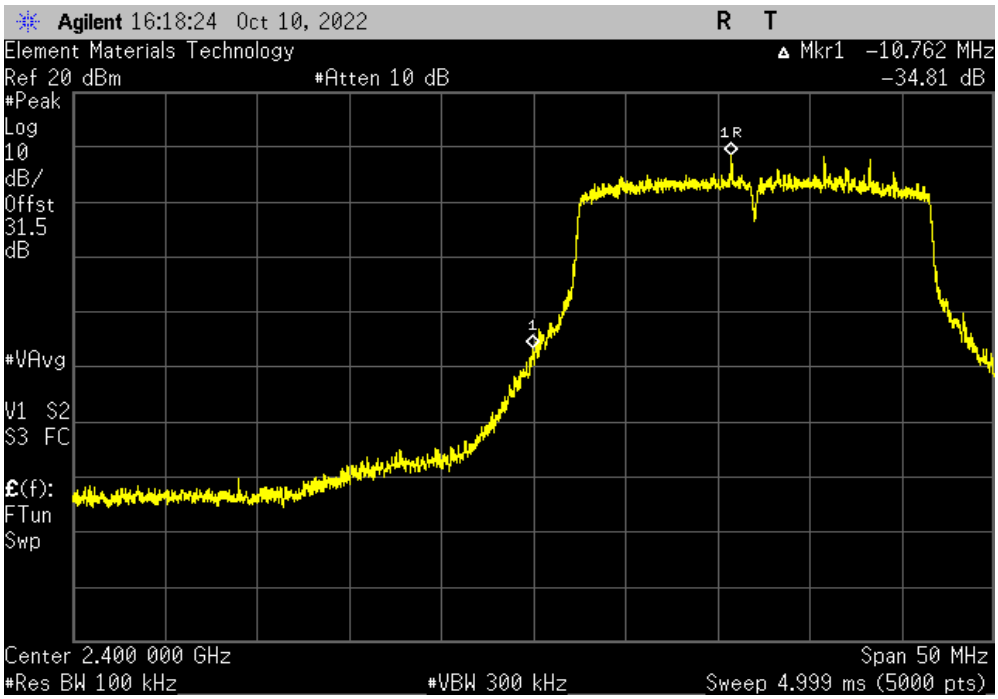


MIMO - Chain 0, VHT20, MCS8, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-52.34	-30	Pass

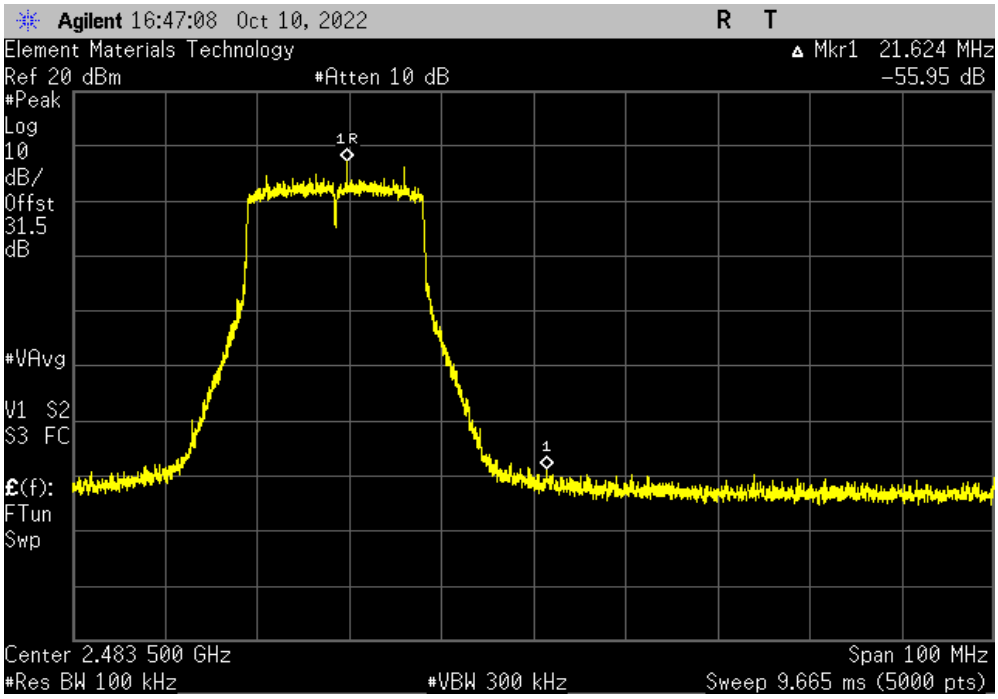


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 0, HE20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-34.81	-30	Pass

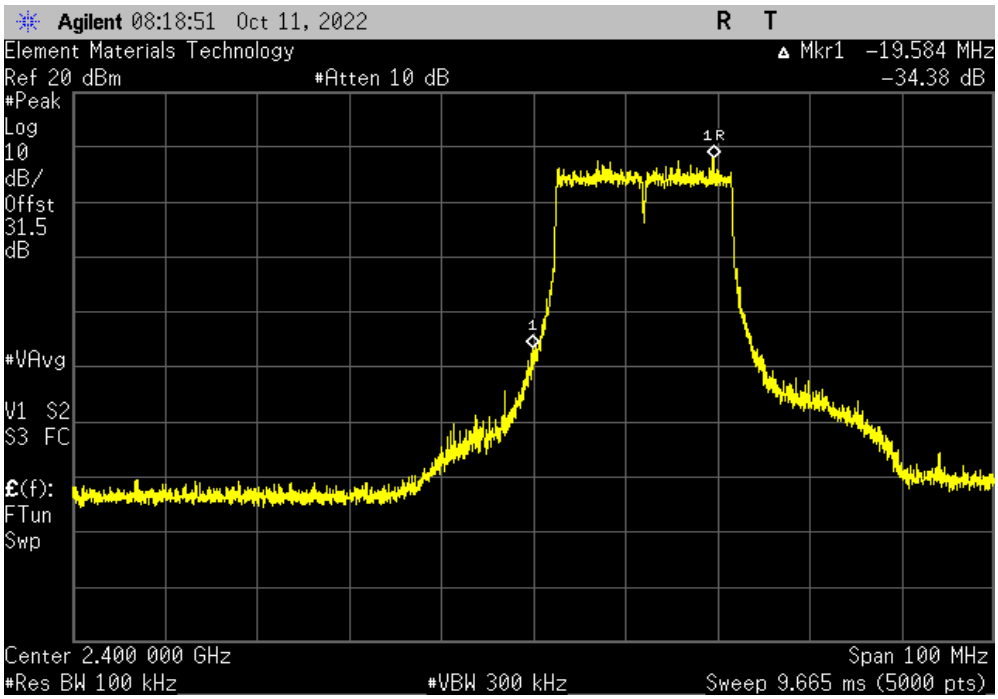


MIMO - Chain 0, HE20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-55.95	-30	Pass

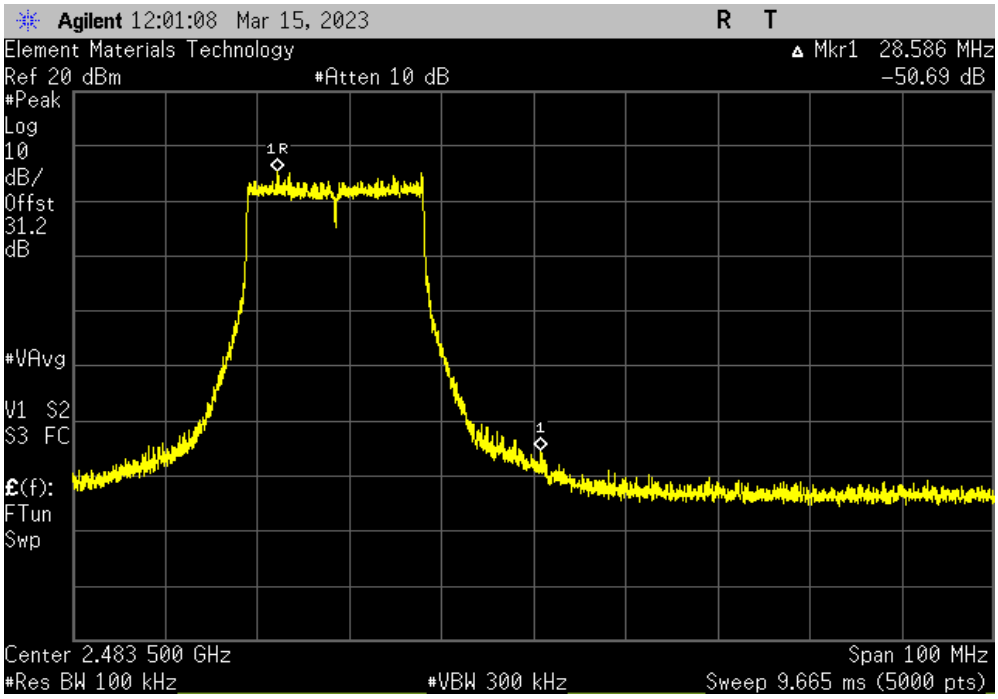


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 0, HE20, MCS11, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-34.38	-30	Pass

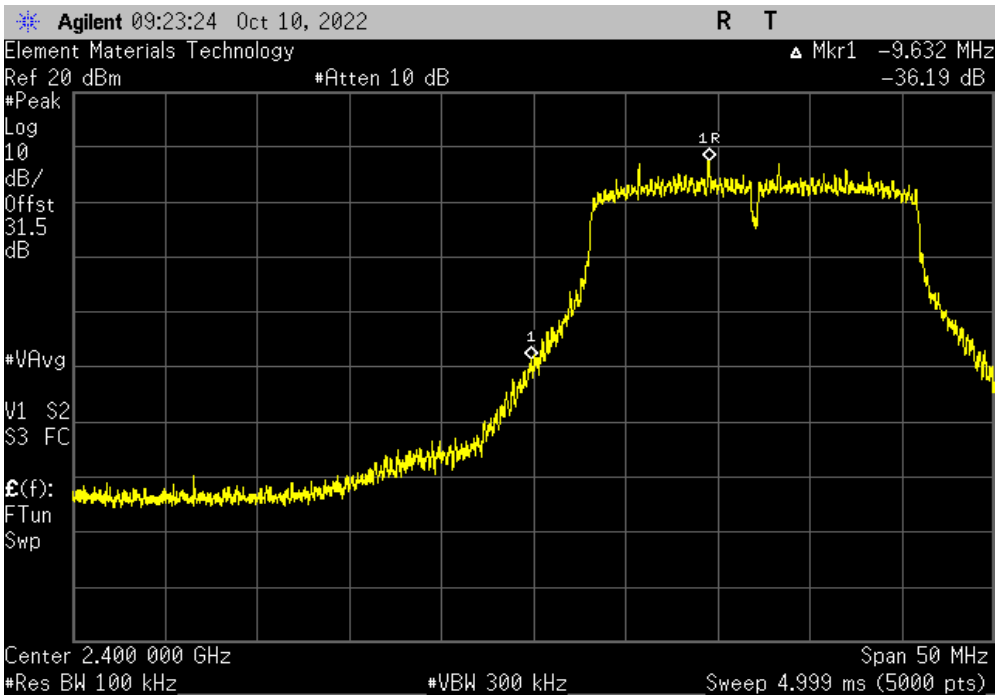


MIMO - Chain 0, HE20, MCS11, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-50.69	-30	Pass

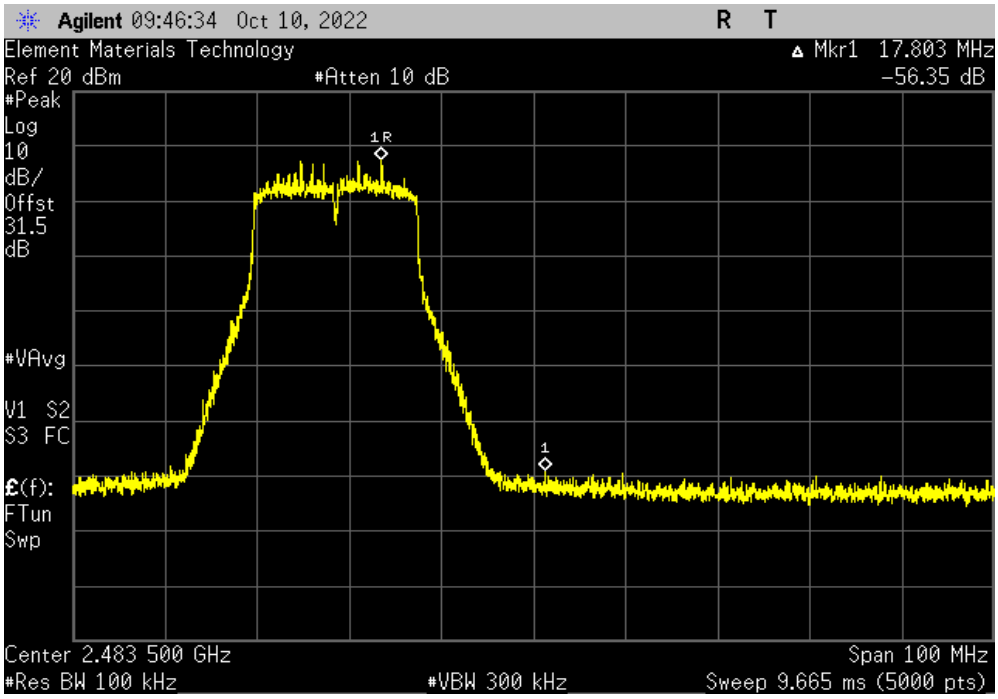


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 1, HT20, MCS8, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-36.19	-30	Pass

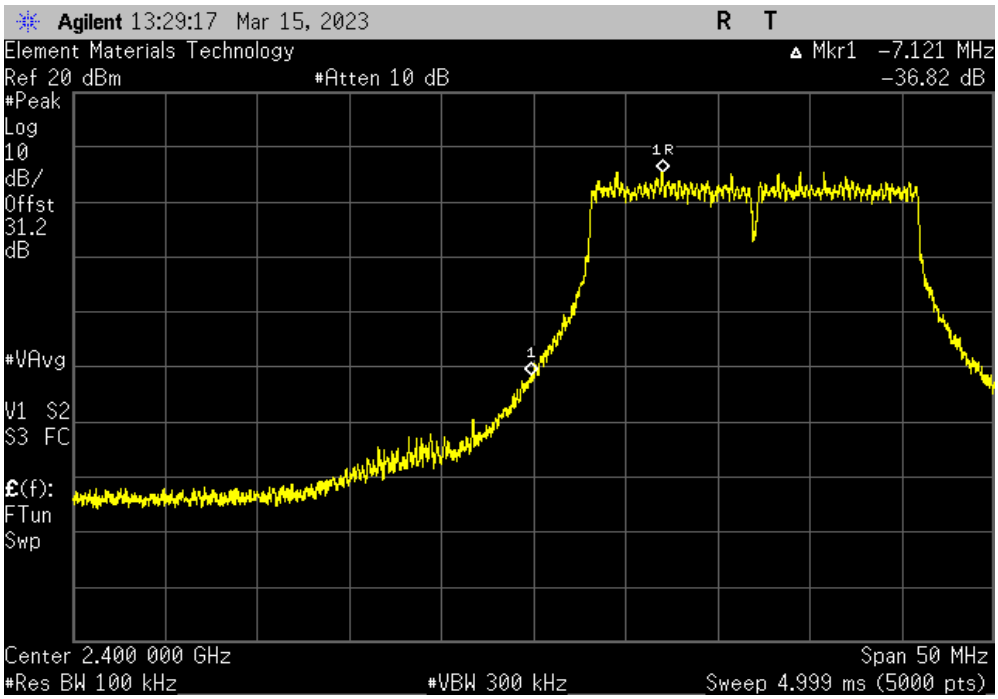


MIMO - Chain 1, HT20, MCS8, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.35	-30	Pass

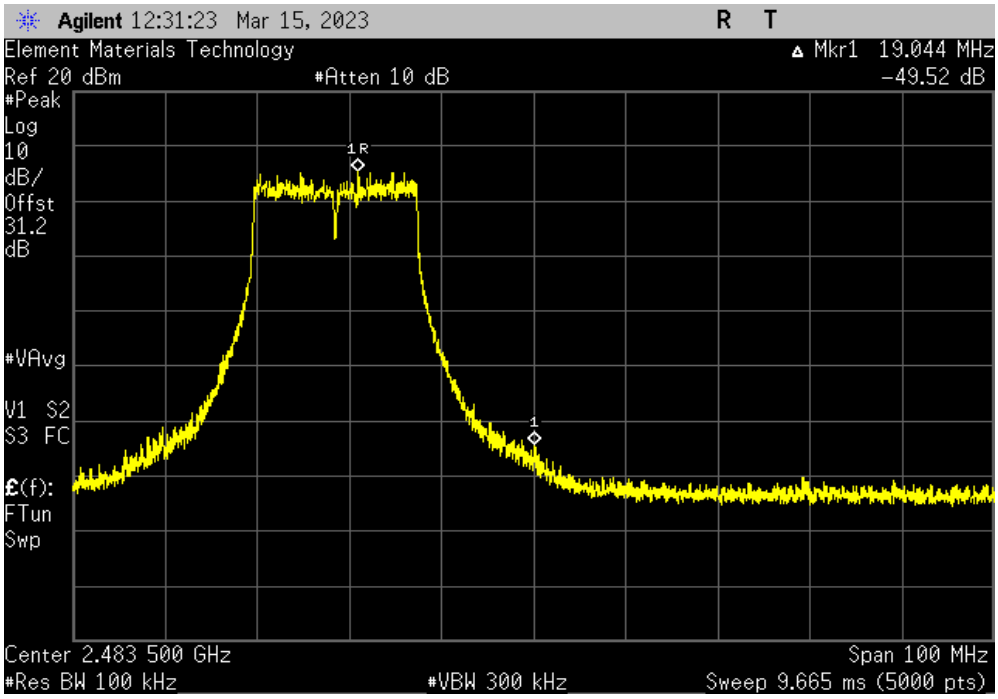


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 1, HT20, MCS15, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-36.82	-30	Pass

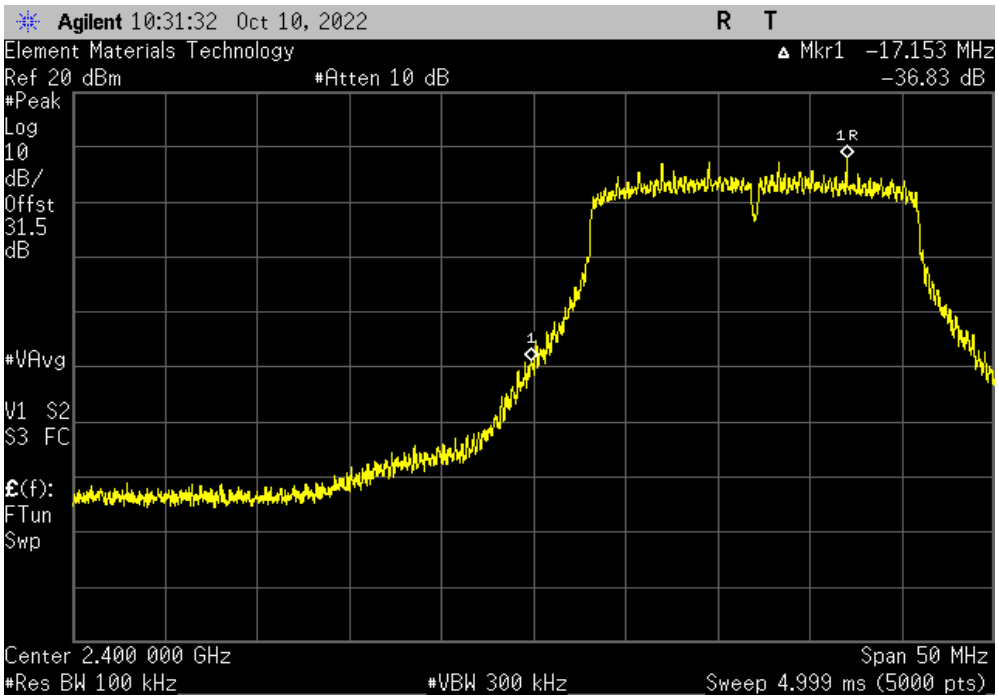


MIMO - Chain 1, HT20, MCS15, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-49.52	-30	Pass

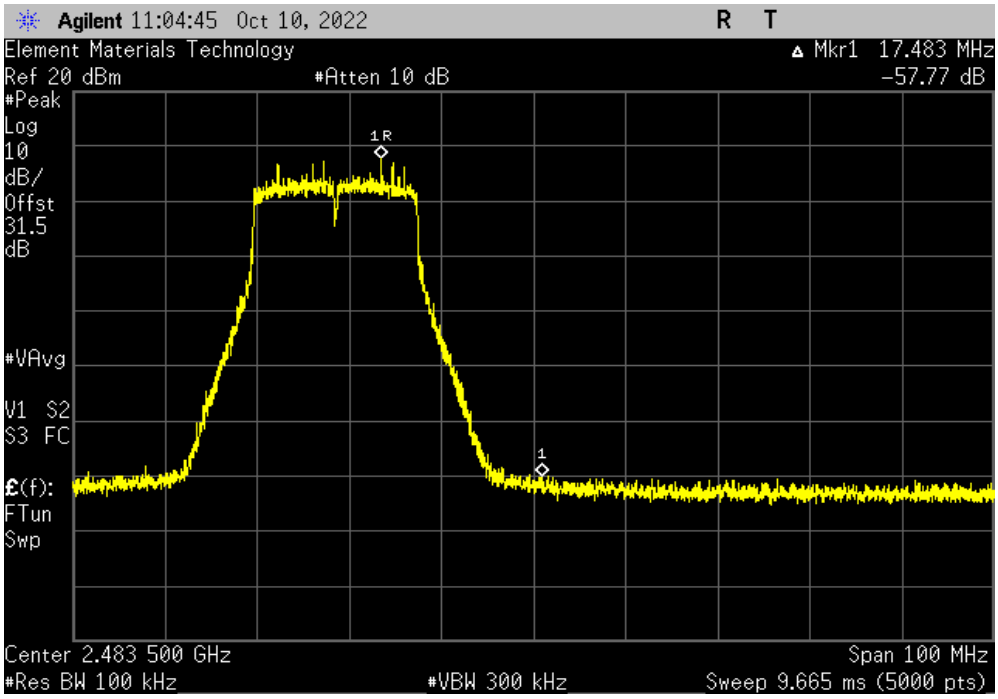


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 1, VHT20, MCS0, Low Channel 1, 2412 MHz							
					Value (dBc)	Limit ≤ (dBc)	Result
					-36.83	-30	Pass

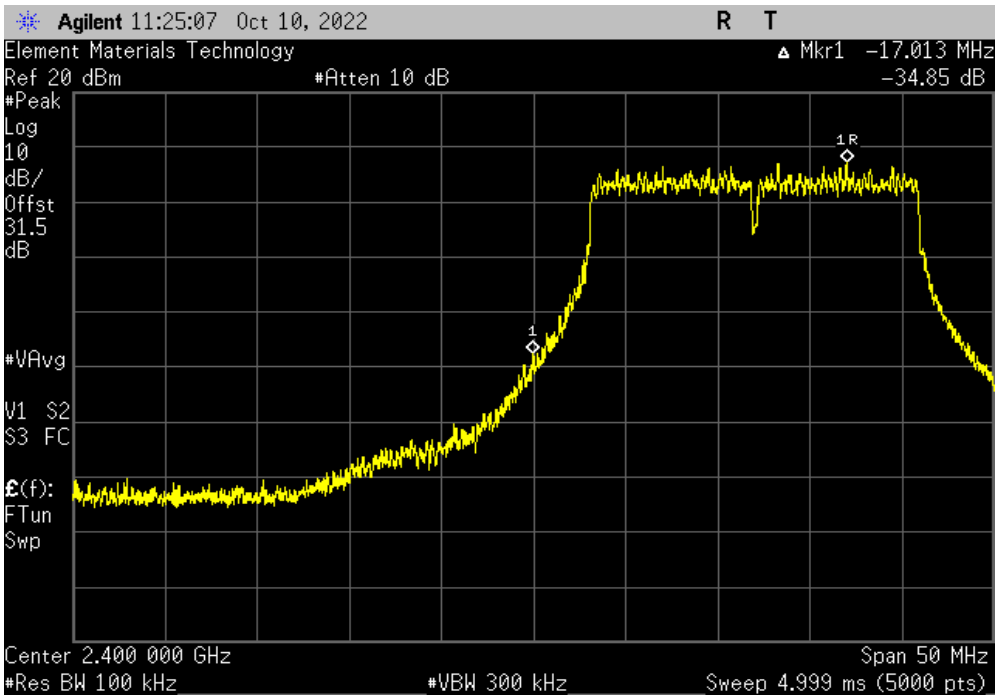


MIMO - Chain 1, VHT20, MCS0, High Channel 11, 2462 MHz							
					Value (dBc)	Limit ≤ (dBc)	Result
					-57.77	-30	Pass

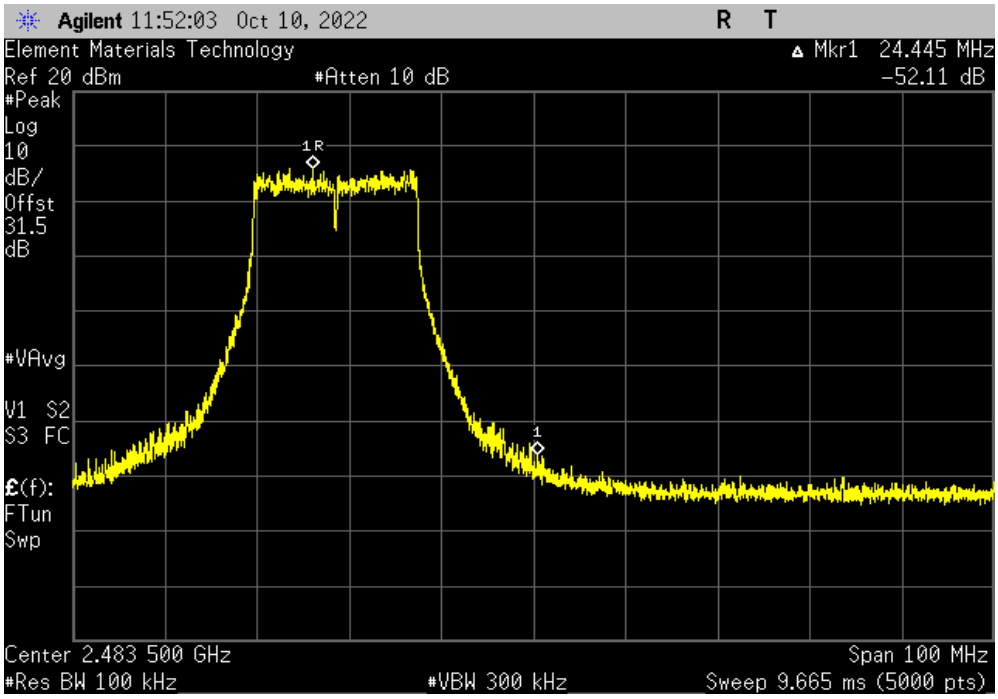


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 1, VHT20, MCS8, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-34.85	-30	Pass

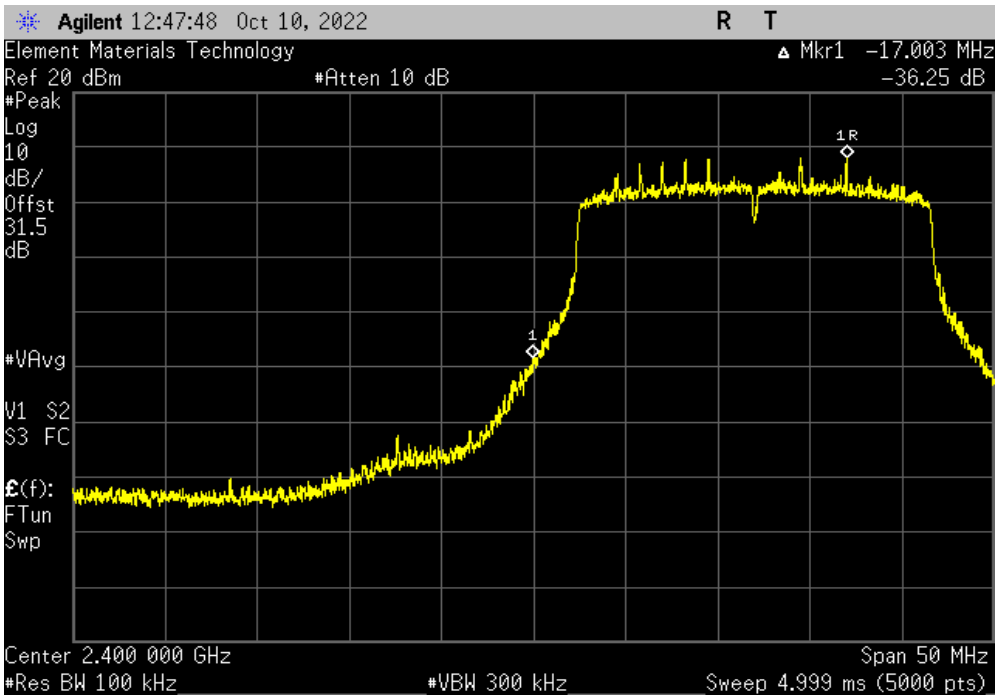


MIMO - Chain 1, VHT20, MCS8, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-52.11	-30	Pass

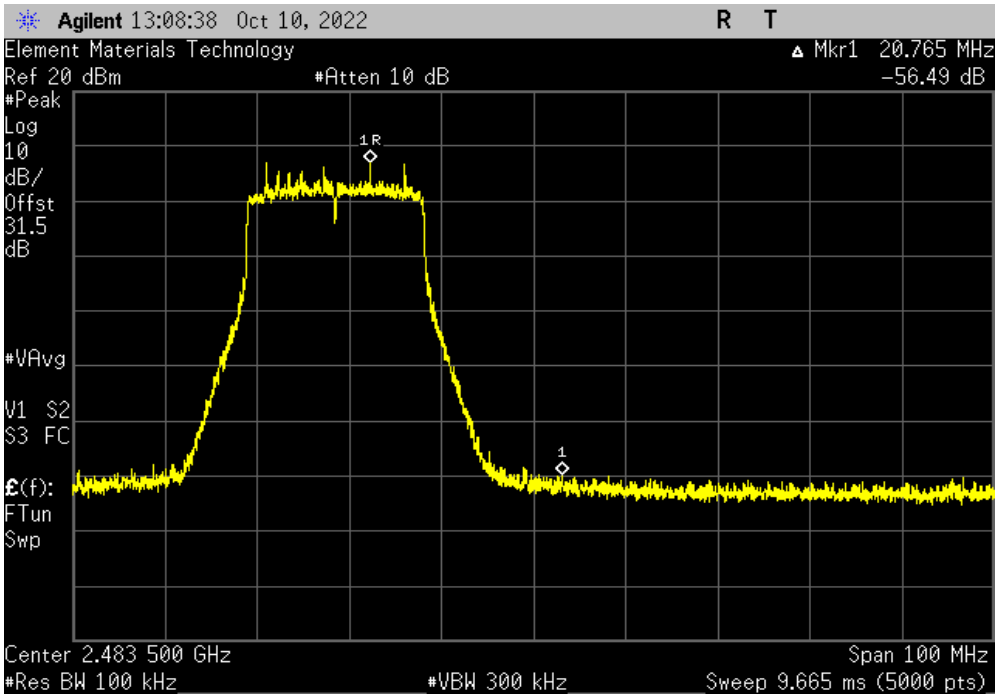


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 1, HE20, MCS0, Low Channel 1, 2412 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-36.25	-30	Pass

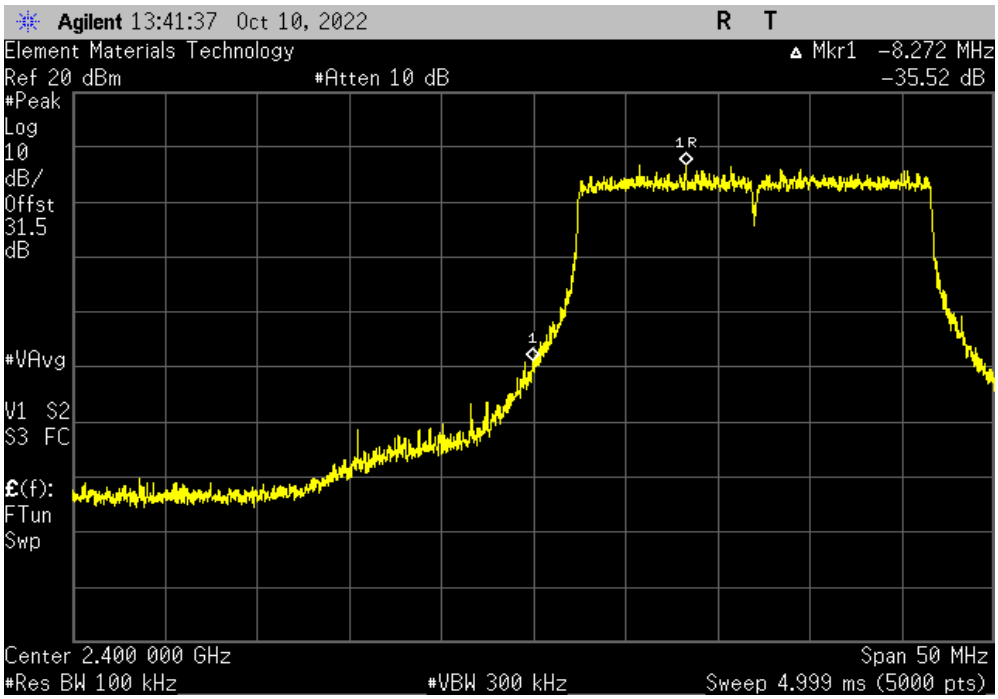


MIMO - Chain 1, HE20, MCS0, High Channel 11, 2462 MHz						
				Value (dBc)	Limit ≤ (dBc)	Result
				-56.49	-30	Pass

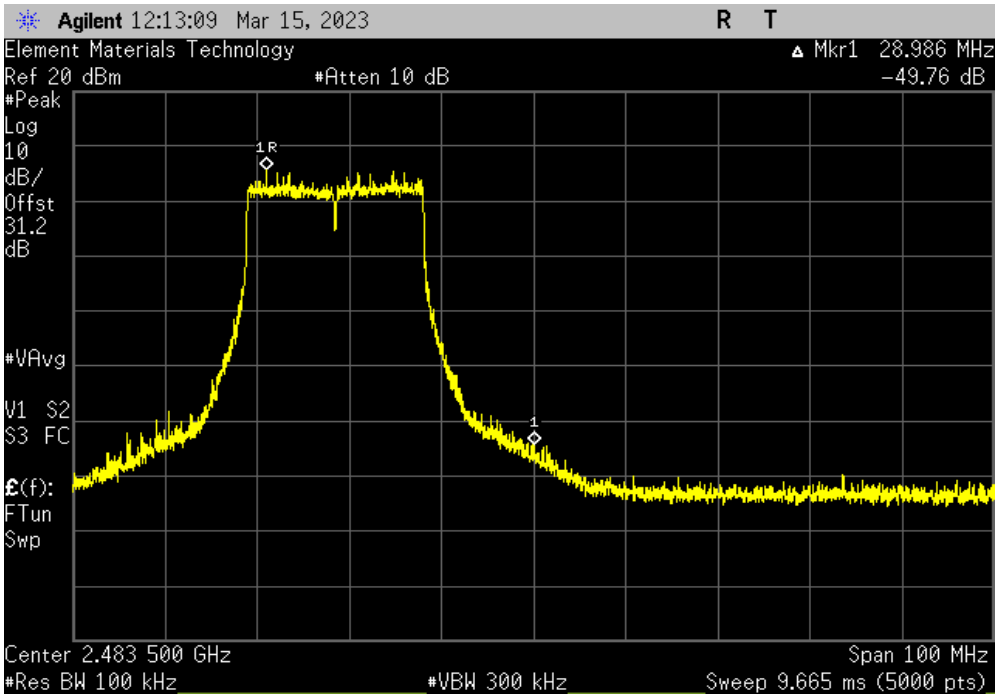


BAND EDGE COMPLIANCE - MIMO

MIMO - Chain 1, HE20, MCS11, Low Channel 1, 2412 MHz							
					Value (dBc)	Limit ≤ (dBc)	Result
					-35.52	-30	Pass



MIMO - Chain 1, HE20, MCS11, High Channel 11, 2462 MHz							
					Value (dBc)	Limit ≤ (dBc)	Result
					-49.76	-30	Pass



SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

XMit 2022.02.07.0

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	Keysight	N5182B	TFU	2020-11-20	2022-11-20
Cable	Micro-Coax	UFD150A-1-0720-200200	EVI	2021-12-05	2022-12-05
Attenuator	S.M. Electronics	SA26B-10	AWR	2022-07-05	2023-07-05
Attenuator	S.M. Electronics	SA26B-20	AUY	2022-03-15	2023-03-15
Block - DC	Fairview Microwave	SD3379	AMW	2022-03-14	2023-03-14
Analyzer - Spectrum Analyzer	Agilent	E4440A	AAW	2022-01-26	2023-01-26

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 fundamental was measured with a 100 kHz resolution bandwidth and the highest value was recorded. The rest of the spectrum was then measured with a 100 kHz resolution bandwidth and the highest value was found. The difference between the value found on the fundamental and the rest of the spectrum was compared against the limit to determine compliance.

The reference level offset for the fundamental screen capture was based on a measured value of the loss between the spectrum analyzer and the EUT which was verified at the time of test. The remaining screen capture(s) use an internal transducer factor on the analyzer to correct the displayed trace based on the cable loss over frequency. The reference level offset for the additional screen capture(s) is then based on the expected attenuator value and any other losses.

Fundamental Offset = Ref Lvl Offset showing measured composite factor of all losses

Remaining Screen capture(s) Offset = “Internal” cable loss factor not shown on screen capture + Ref Lvl Offset showing expected attenuator value and any other losses

SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

element

TbtTx 2022.06.03.0 XMit 2022.02.07.0

EUT:	**U8 Hawk**			**Work Order:**	**KYME0068**
Serial Number:	**192F-85E2-1761**			**Date:**	**6-Oct-22**
Customer:	**Kymeta Corp.**			**Temperature:**	**22.3 °C**
Attendees:	**Dean Busch**			**Humidity:**	**43.9% RH**
Project:	**None**			**Barometric Pres.:**	**1025 mbar**
Tested by:	**Jeff Alcoke**	**Power:**	**12 VDC**	**Job Site:**	**EV06**

TEST SPECIFICATIONS	**Test Method**
FCC 15.247:2022	ANSI C63.10:2013
RSS-247 Issue 2:2017	ANSI C63.10:2013

COMMENTS

Reference level offset includes: DC Block, 30 dB attenuation, and measurement cable.

DEVIATIONS FROM TEST STANDARD

None

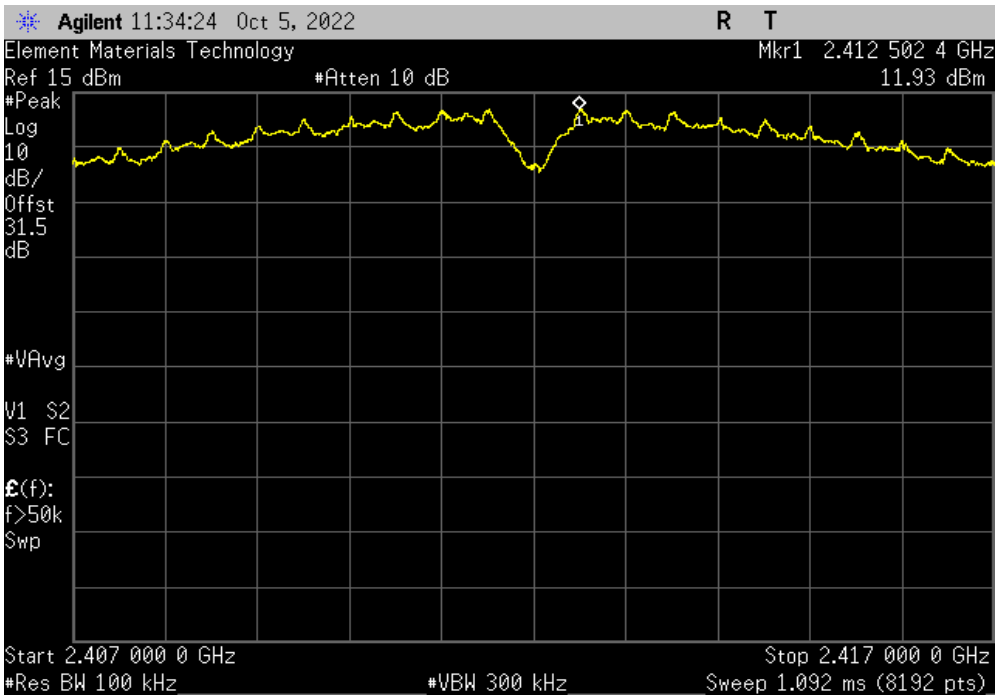
Configuration #	**1**	*Signature*

		Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Chain 0						
	CCK, 1 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	2412.5	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	8538.7	-57.38	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24378.9	-50.73	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2437.51	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	11779.9	-58.02	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24343.8	-51.72	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2461.51	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	12308.2	-57.06	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24636.8	-50.45	-30	Pass
	CCK, 11 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	2412.51	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	12239.7	-57.32	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24731.4	-50.17	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2437.53	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	11962.6	-56.94	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24412.5	-49.8	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2462.53	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	7750.1	-56.54	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24447.6	-49.99	-30	Pass
	Legacy OFDM, 6 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	2413.29	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	7215.7	-56.27	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24917.6	-50.13	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2438.3	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	11953.5	-55.71	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24708.5	-49.18	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2463.28	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	7323.8	-55	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24931.3	-49.06	-30	Pass
	Legacy OFDM, 36 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	2413.28	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	7702.9	-55.35	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24465.9	-48.19	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2444.52	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	12378.2	-55.13	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24699.4	-47.78	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2469.52	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	12162	-54.47	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24653.6	-47.9	-30	Pass
	Legacy OFDM, 54 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	2413.29	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	12373.6	-55.13	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24615.4	-48.49	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2444.5	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	11953.5	-55.03	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24732.9	-47.92	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2469.52	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	12180.3	-55	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24604.7	-47.57	-30	Pass

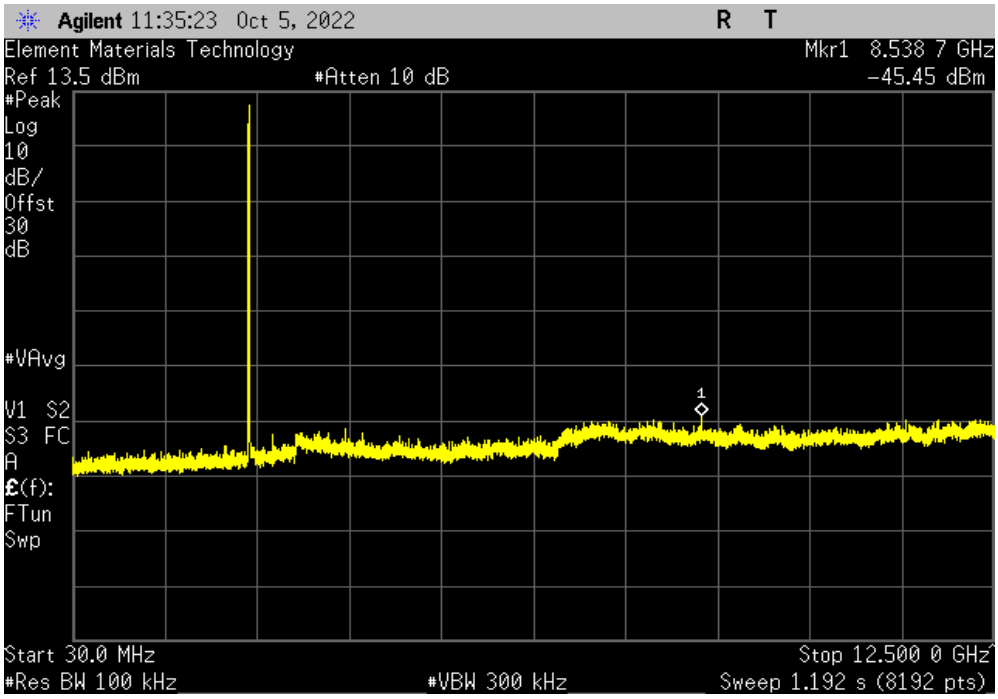
HT20, MCS0						
	Low Channel 1, 2412 MHz	Fundamental	2410.75	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	12248.8	-53.72	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24426.2	-47.41	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2435.73	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	6985.9	-53.09	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24743.6	-45.9	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2463.26	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	12253.4	-53.53	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24420.1	-46.51	-30	Pass
HT20, MCS7						
	Low Channel 1, 2412 MHz	Fundamental	2406.99	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	12390.4	-52.71	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24449.1	-46.02	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2443.28	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	12352.3	-52.61	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24360.6	-45.77	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2455.74	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	7270.5	-51.96	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24459.8	-45.66	-30	Pass
VHT20, MCS0						
	Low Channel 1, 2412 MHz	Fundamental	2410.74	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	12222.9	-54.11	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24844.3	-47.23	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2438.25	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	7136.6	-54.06	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24678	-46.94	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2463.3	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	12186.4	-54.09	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24716.2	-45.98	-30	Pass
VHT20, MCS8						
	Low Channel 1, 2412 MHz	Fundamental	2405.76	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	12440.6	-53.09	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24630.7	-45.91	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2441.99	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	11933.7	-52.5	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24627.6	-45.78	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2455.76	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	7890.2	-51.68	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24642.9	-45.25	-30	Pass
HE20, MCS0						
	Low Channel 1, 2412 MHz	Fundamental	2413.26	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	12489.3	-54.5	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24385	-47.52	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2438.27	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	12210.7	-53.6	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24348.4	-46.55	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2463.3	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	7255.3	-53.18	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24754.3	-46.41	-30	Pass
HE20, MCS11						
	Low Channel 1, 2412 MHz	Fundamental	2405.75	N/A	N/A	N/A
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	7812.5	-53.03	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	24313.3	-46.63	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	2442.01	N/A	N/A	N/A
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	12271.6	-52.98	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	24420.1	-46.32	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	2466.99	N/A	N/A	N/A
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	12294.5	-52.13	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	24740.6	-45.07	-30	Pass

SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, CCK, 1 Mbps, Low Channel 1, 2412 MHz						
	Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental		2412.5	N/A	N/A	N/A

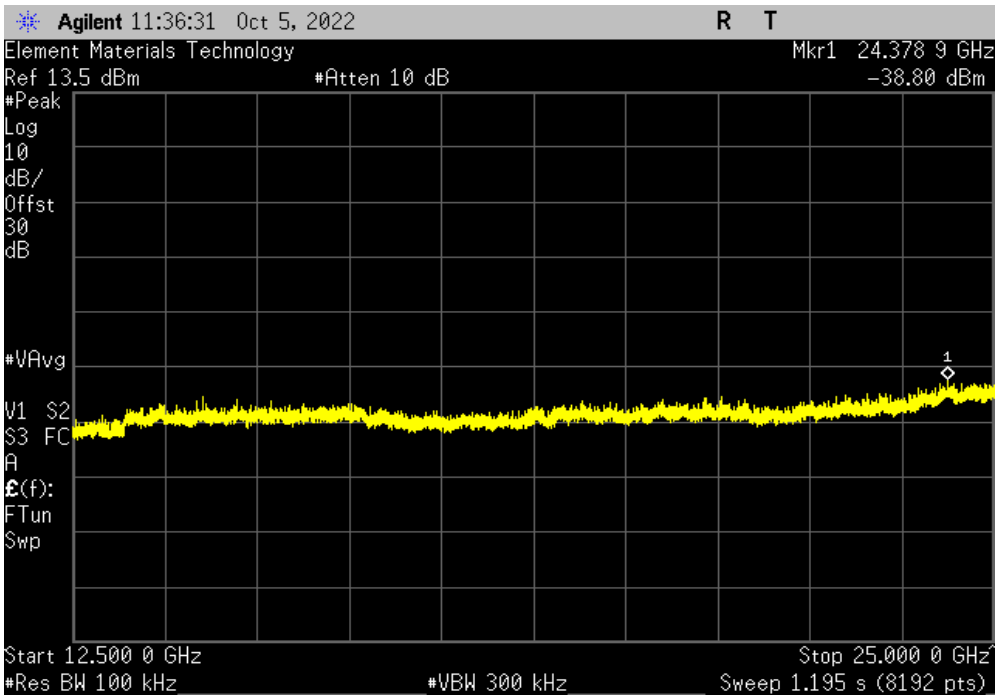


Chain 0, CCK, 1 Mbps, Low Channel 1, 2412 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	8538.7	-57.38	-30	Pass

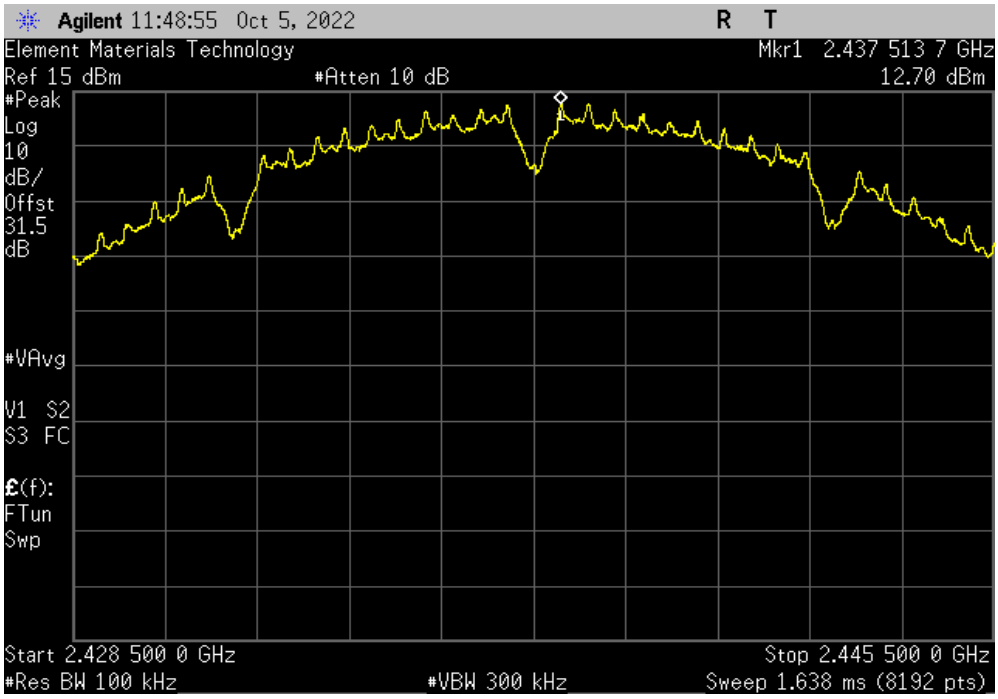


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, CCK, 1 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24378.9	-50.73	-30	Pass

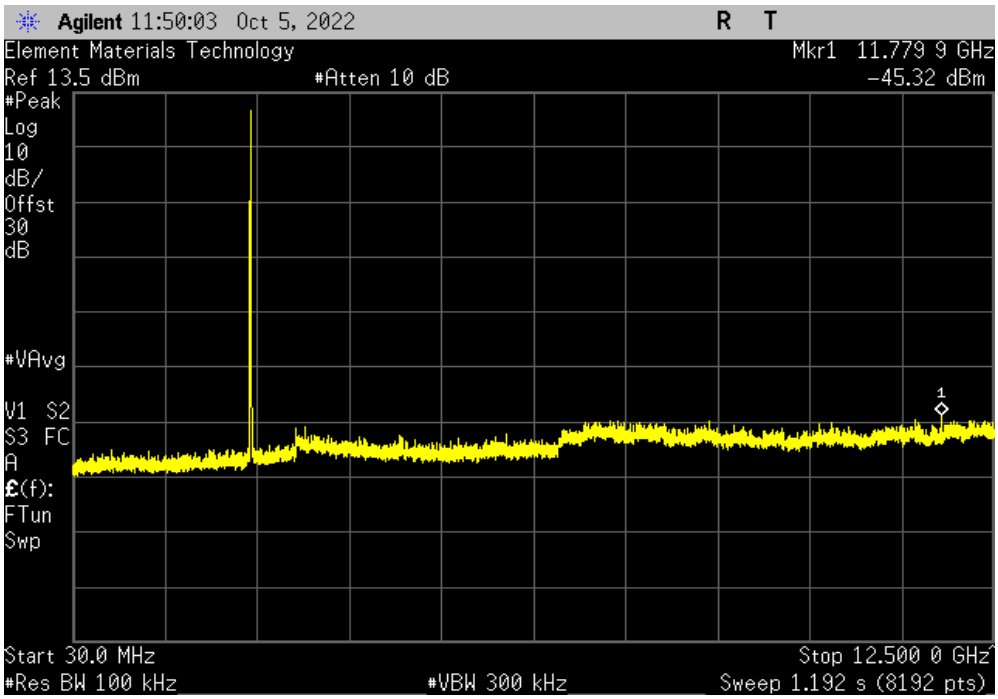


Chain 0, CCK, 1 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2437.51	N/A	N/A	N/A

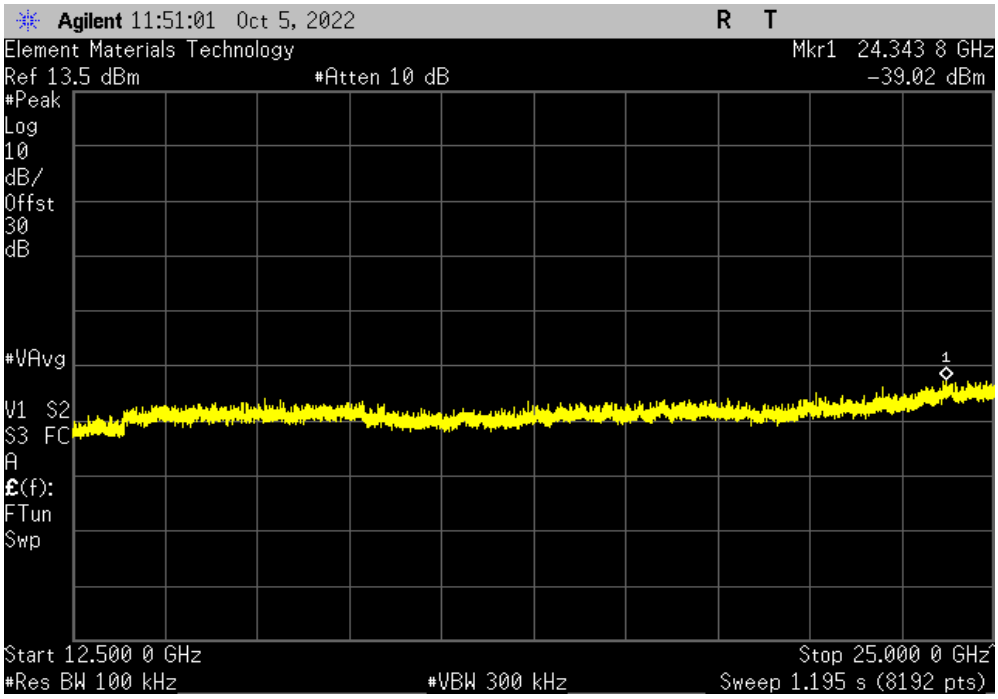


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, CCK, 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz	11779.9	-58.02	-30	Pass

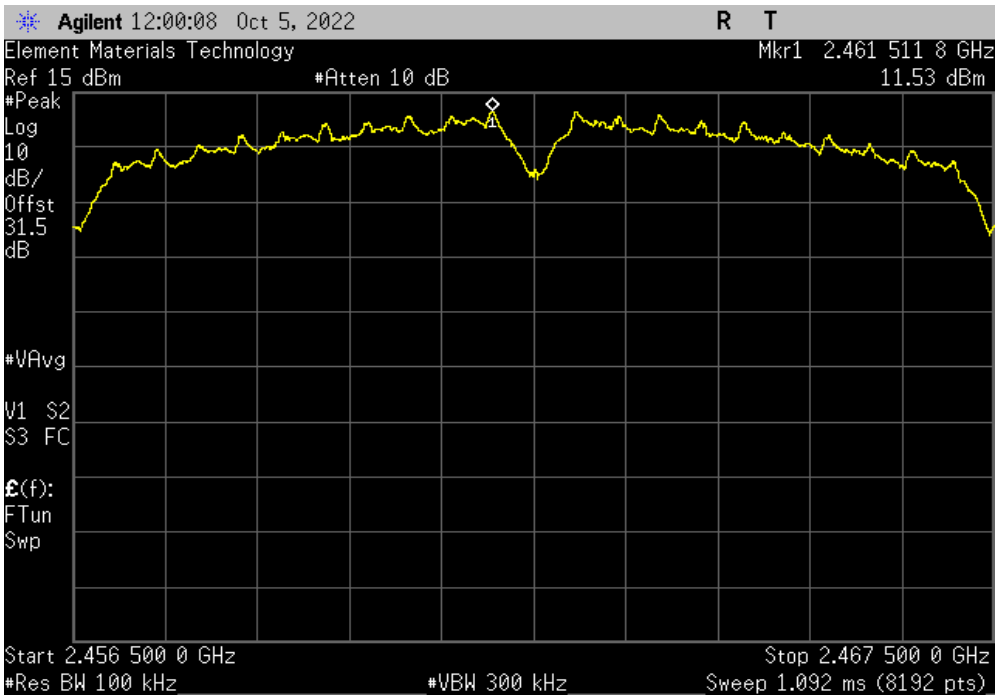


Chain 0, CCK, 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz	24343.8	-51.72	-30	Pass

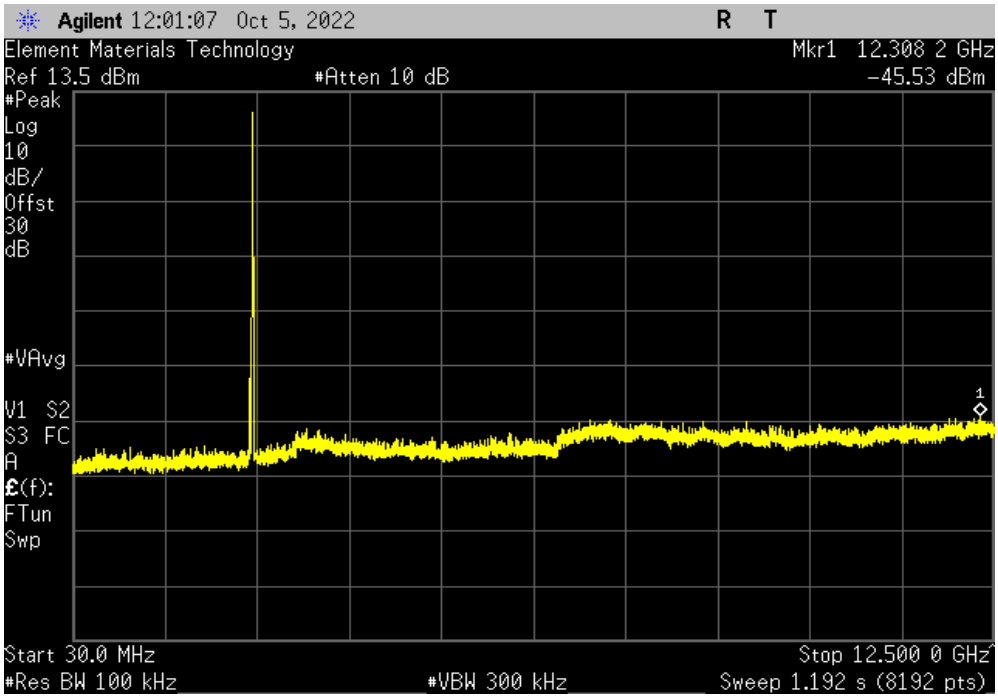


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, CCK, 1 Mbps, High Channel 11, 2462 MHz						
	Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental		2461.51	N/A	N/A	N/A

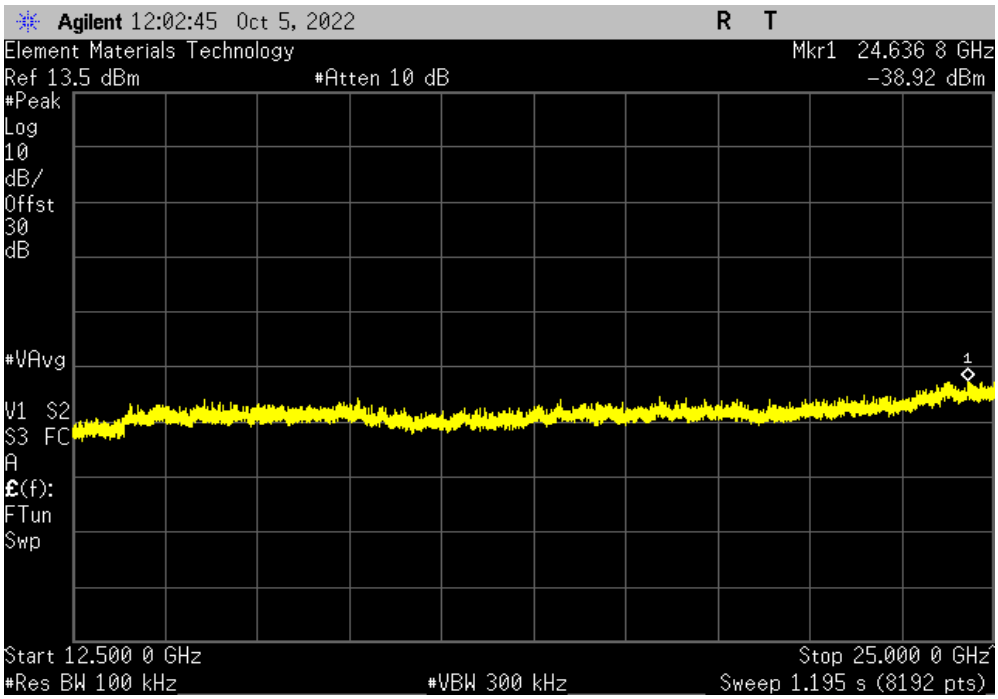


Chain 0, CCK, 1 Mbps, High Channel 11, 2462 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12308.2	-57.06	-30	Pass

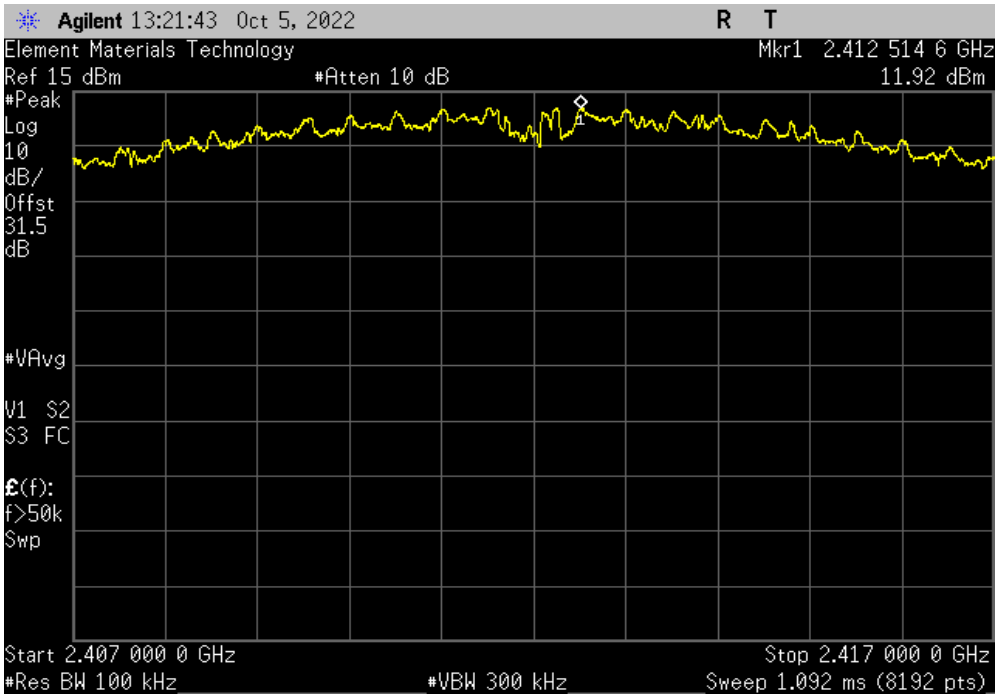


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, CCK, 1 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24636.8	-50.45	-30	Pass

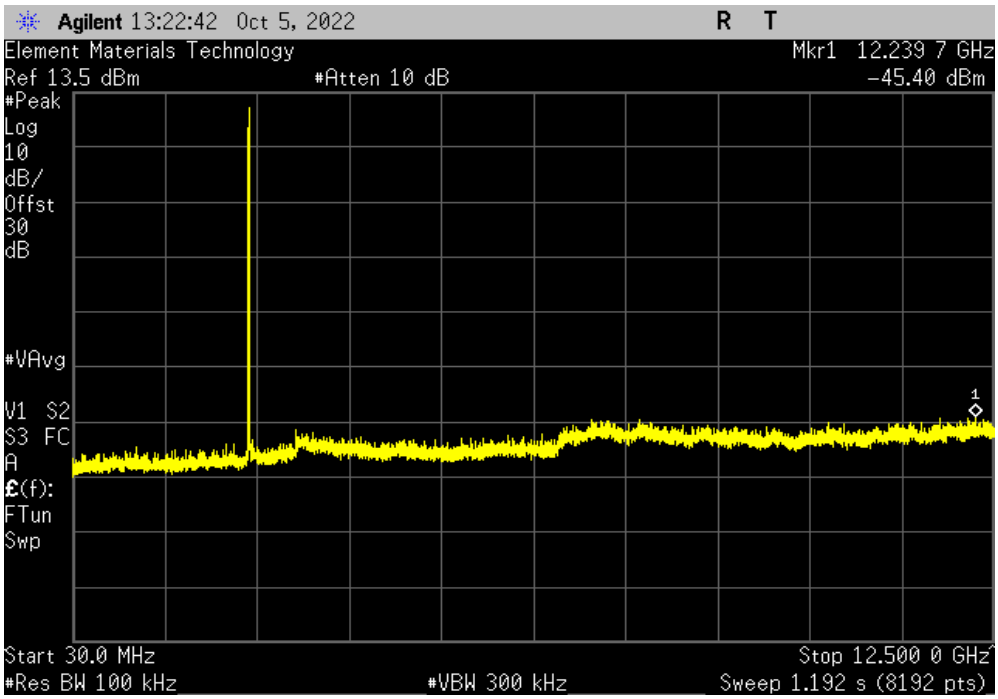


Chain 0, CCK, 11 Mbps, Low Channel 1, 2412 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2412.51	N/A	N/A	N/A

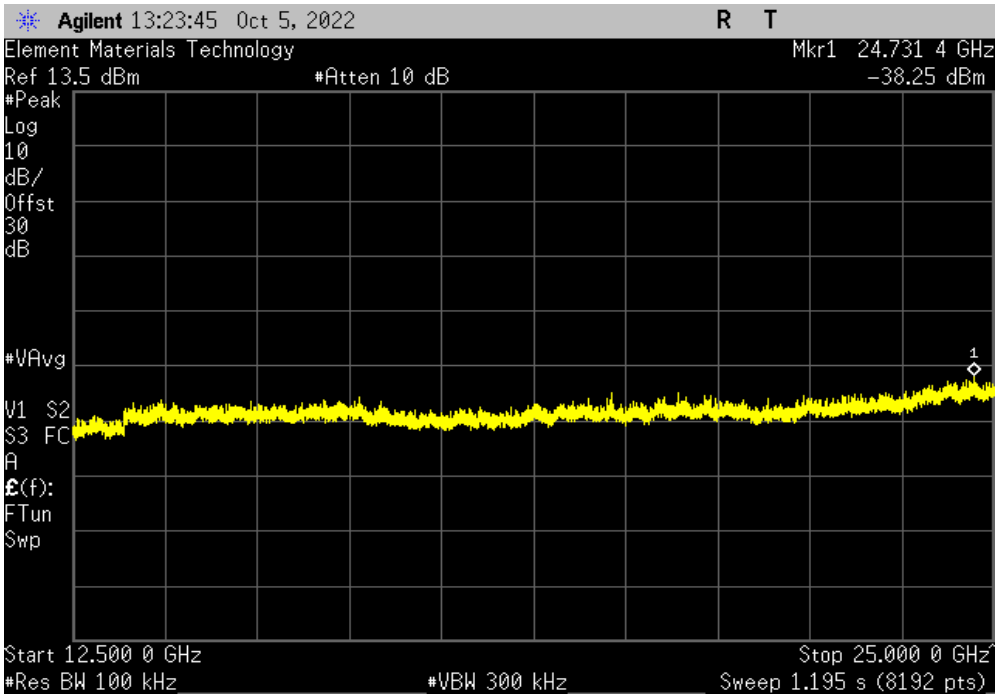


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, CCK, 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12239.7	-57.32	-30	Pass

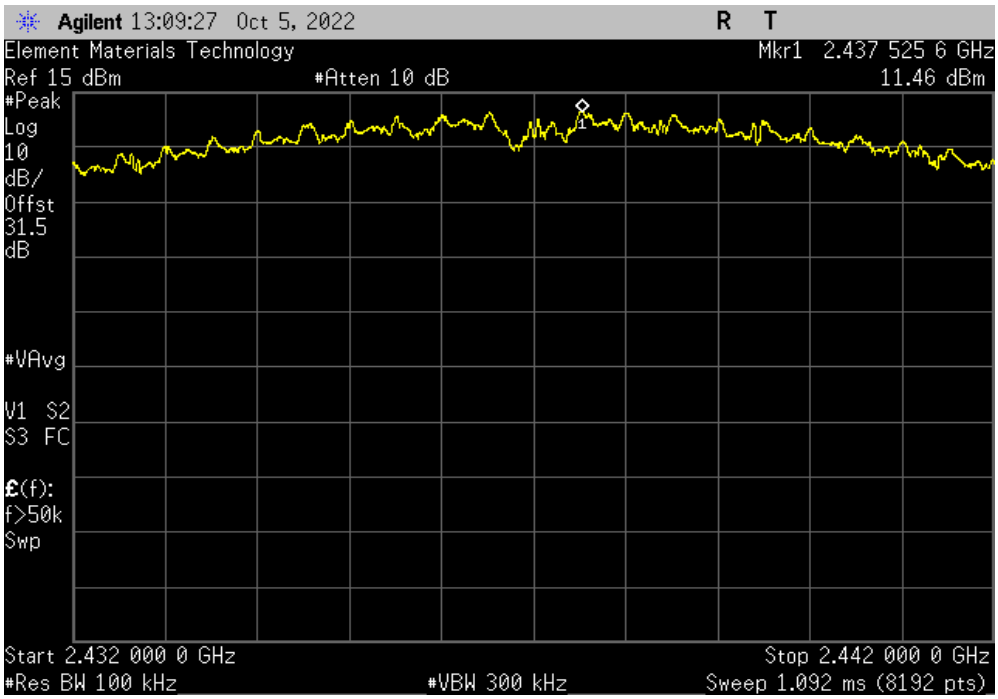


Chain 0, CCK, 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24731.4	-50.17	-30	Pass

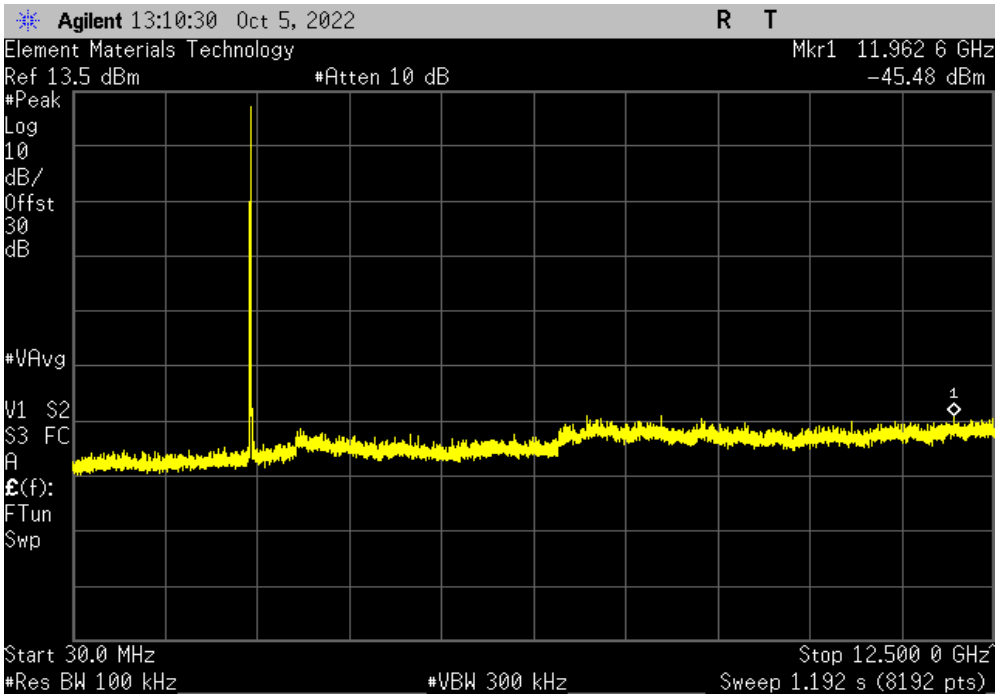


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, CCK, 11 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2437.53	N/A	N/A	N/A

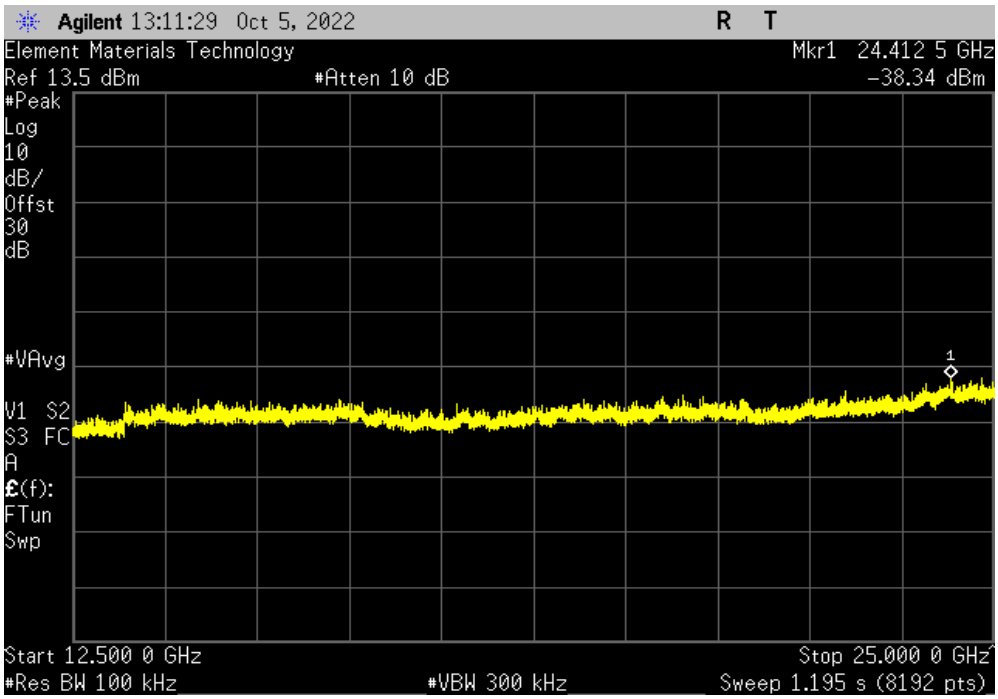


Chain 0, CCK, 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	11962.6	-56.94	-30	Pass

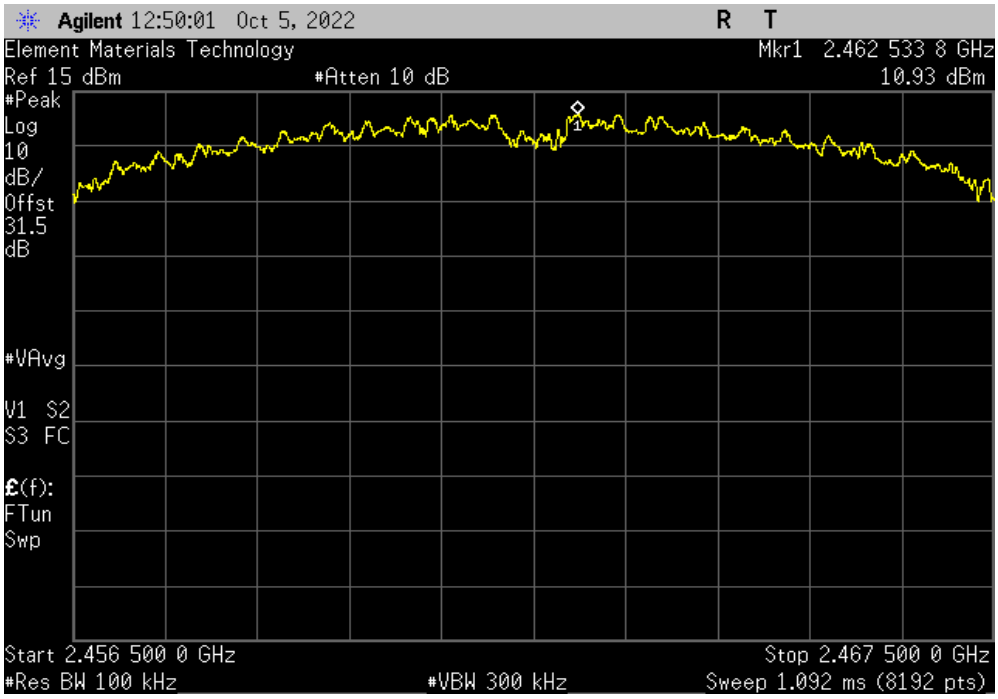


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, CCK, 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24412.5	-49.8	-30	Pass

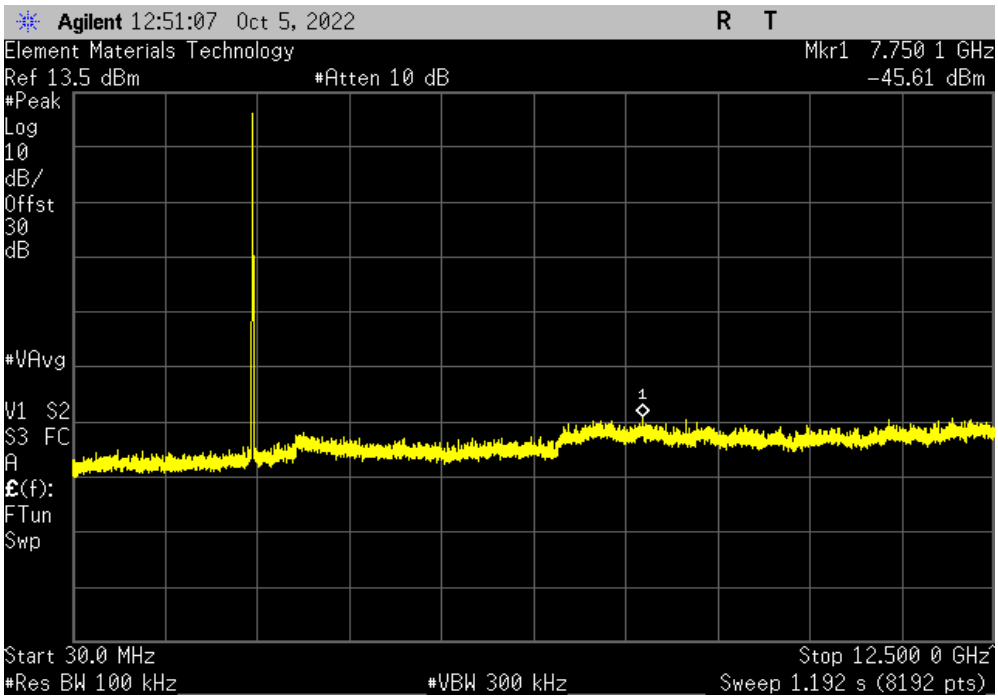


Chain 0, CCK, 11 Mbps, High Channel 11, 2462 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2462.53	N/A	N/A	N/A

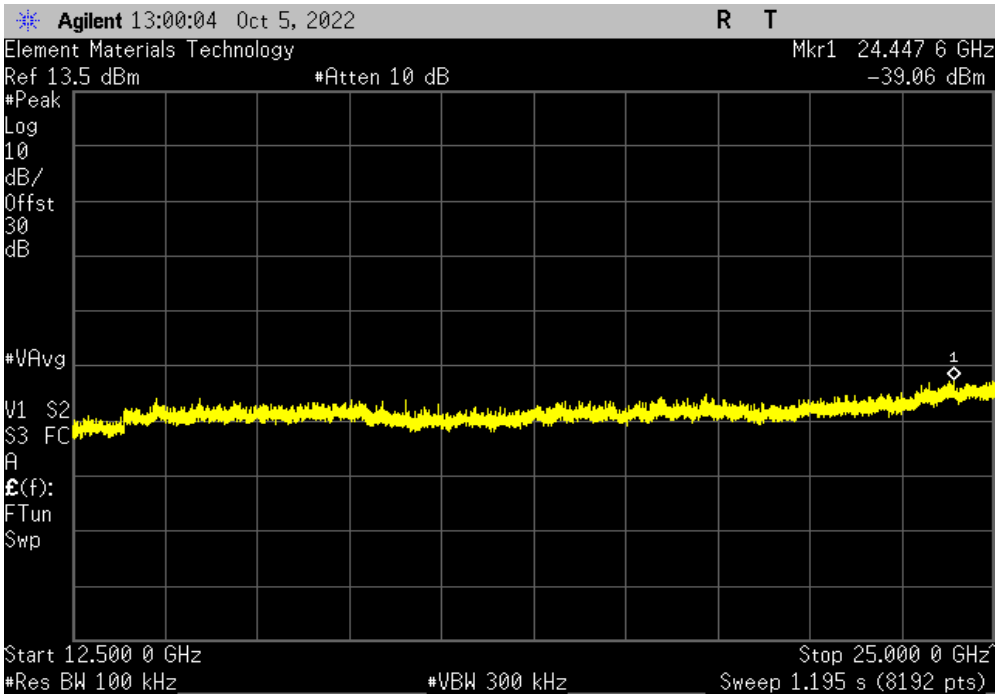


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

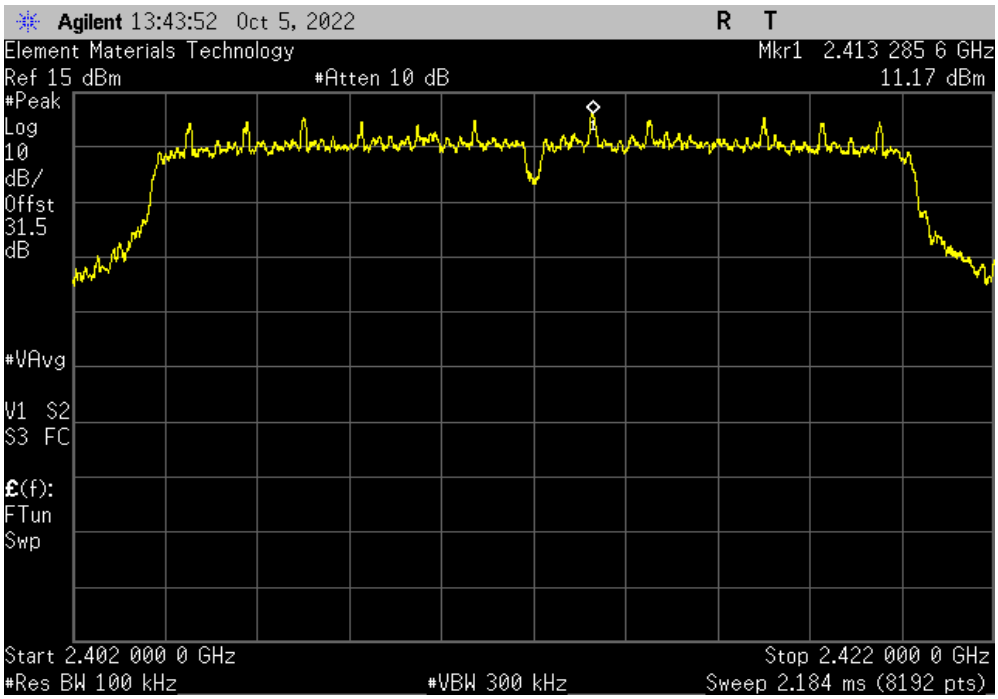
Chain 0, CCK, 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	7750.1	-56.54	-30	Pass



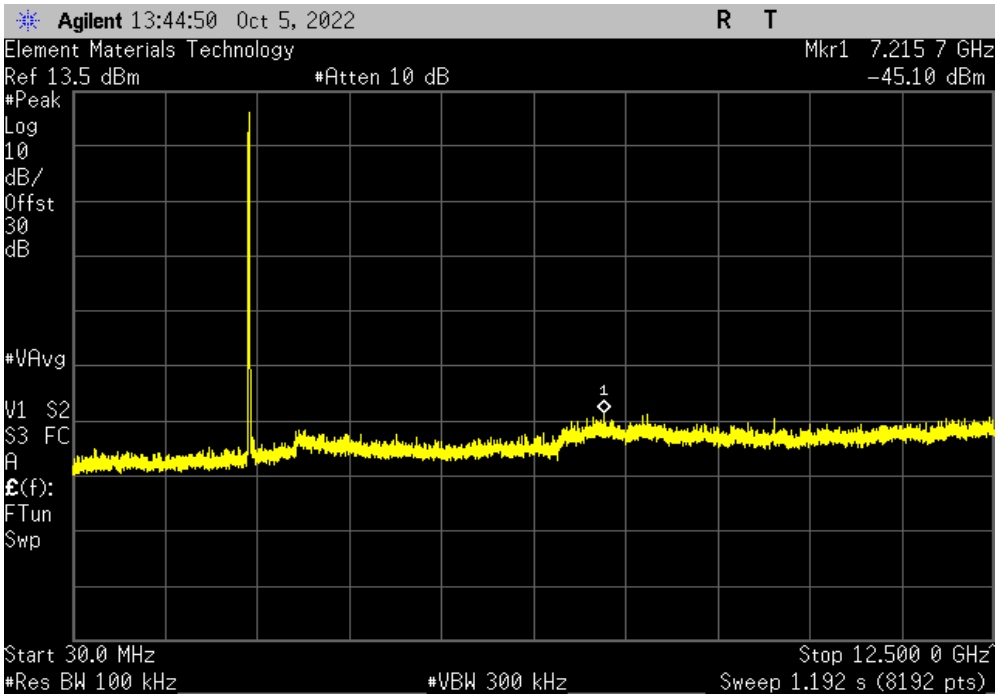
Chain 0, CCK, 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24447.6	-49.99	-30	Pass



Chain 0, Legacy OFDM, 6 Mbps, Low Channel 1, 2412 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2413.29	N/A	N/A	N/A

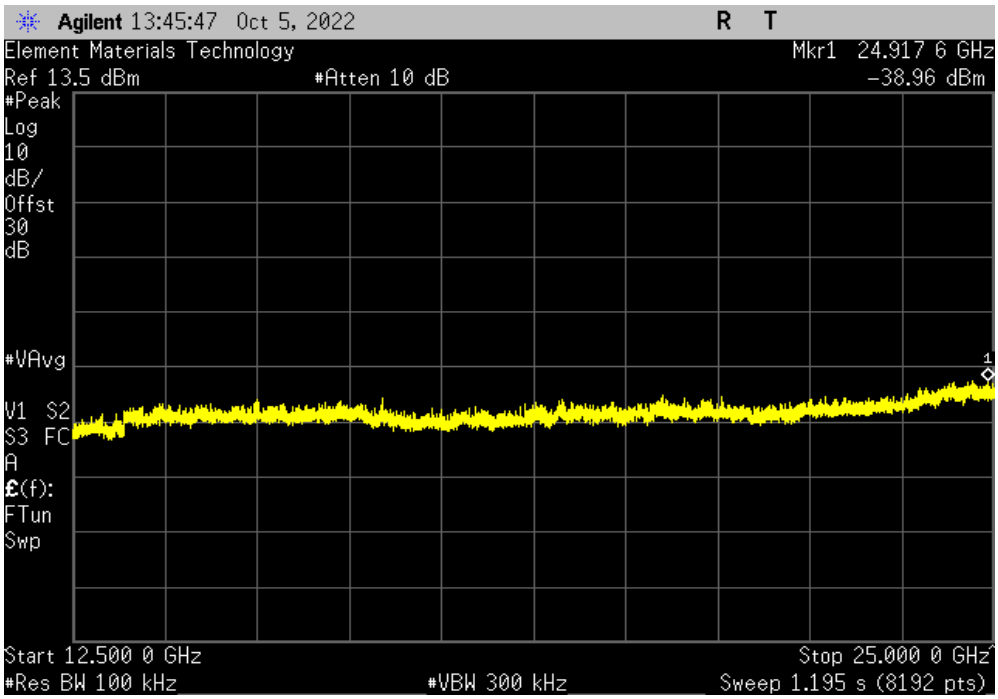


Chain 0, Legacy OFDM, 6 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	7215.7	-56.27	-30	Pass

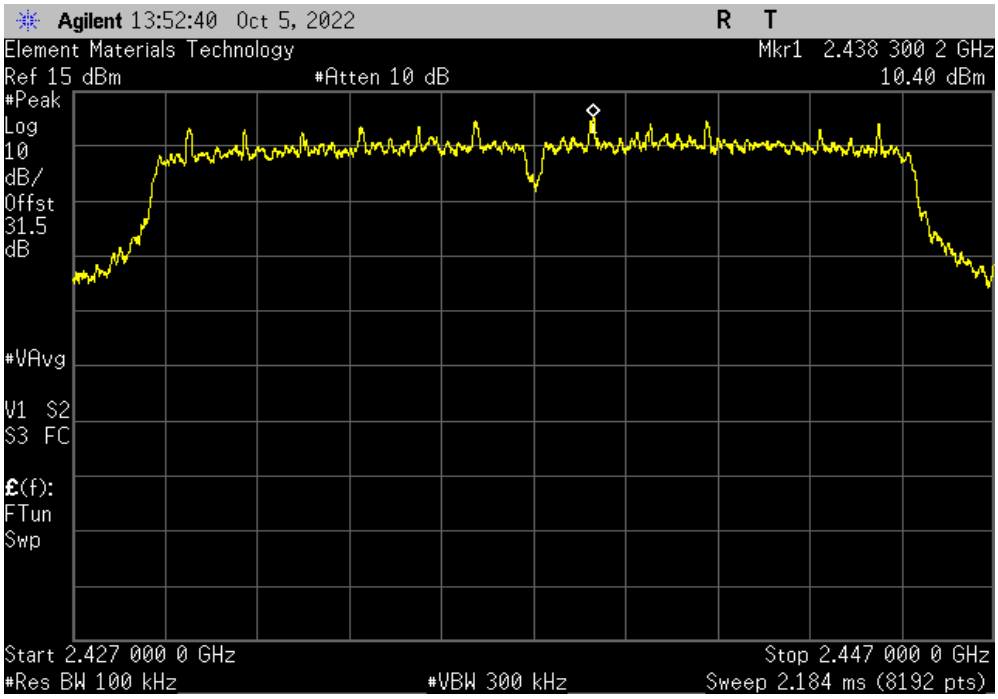


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 6 Mbps, Low Channel 1, 2412 MHz					
	Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	12.5 GHz - 25 GHz	24917.6	-50.13	-30	Pass

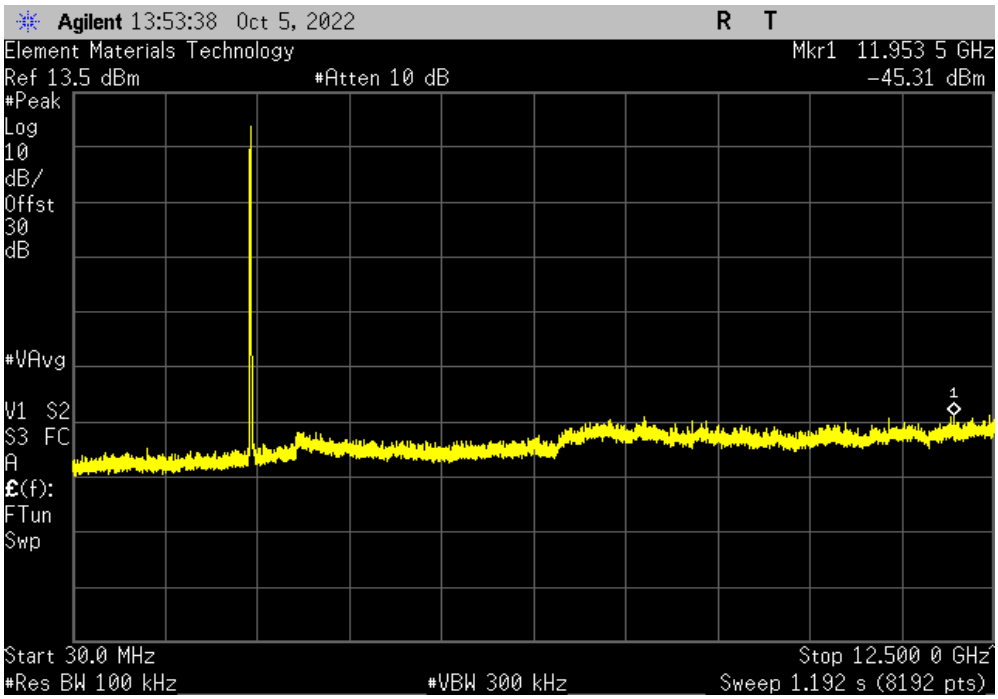


Chain 0, Legacy OFDM, 6 Mbps, Mid Channel 6, 2437 MHz					
	Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2438.3	N/A	N/A	N/A

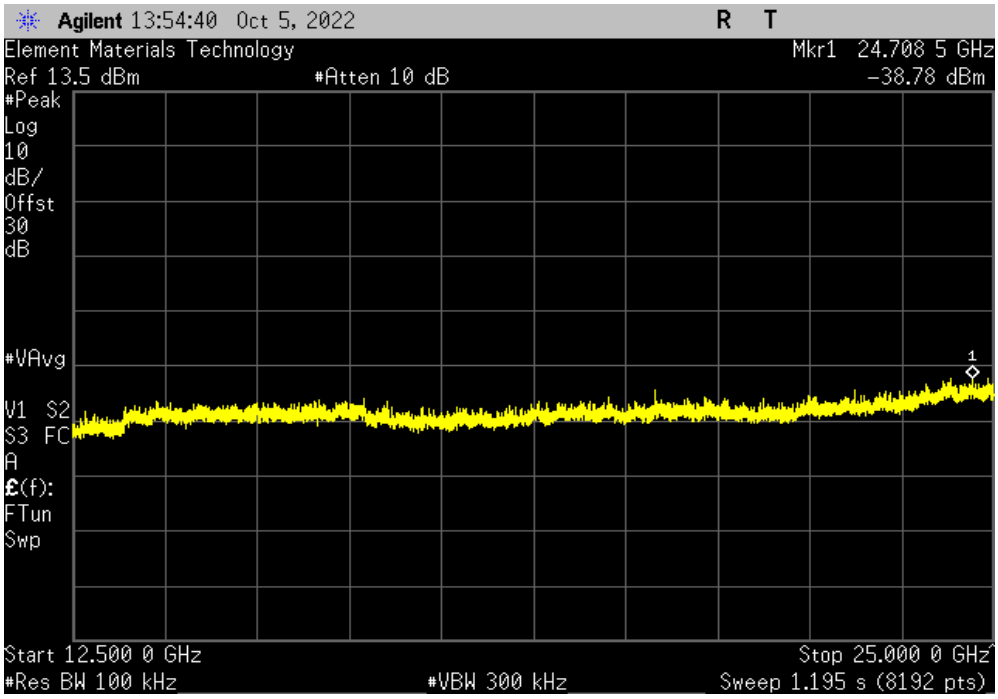


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz	11953.5	-55.71	-30	Pass

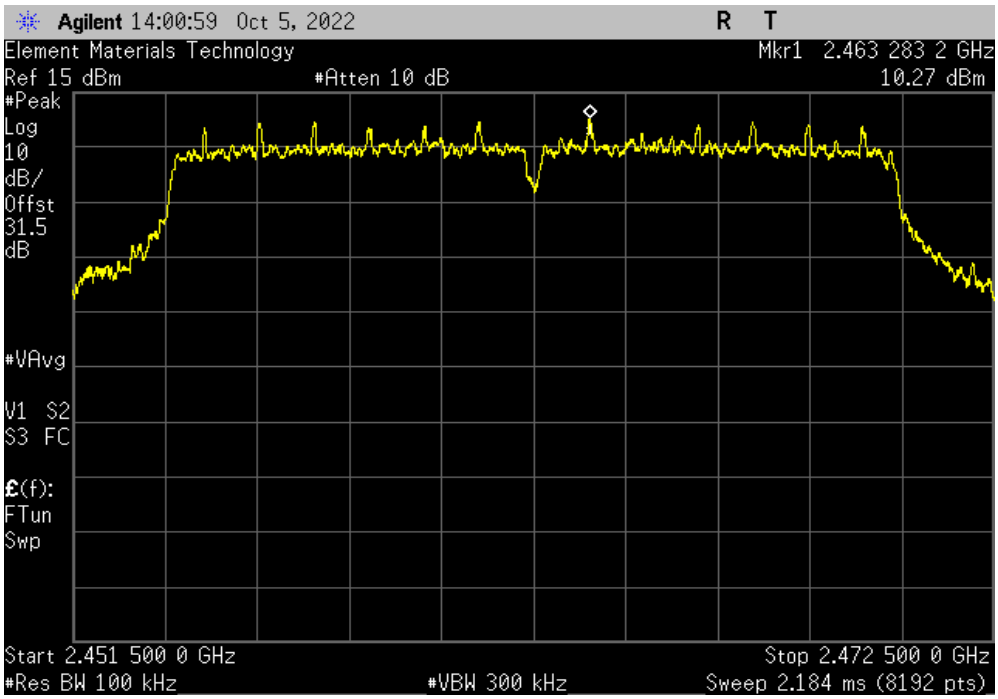


Chain 0, Legacy OFDM, 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz	24708.5	-49.18	-30	Pass

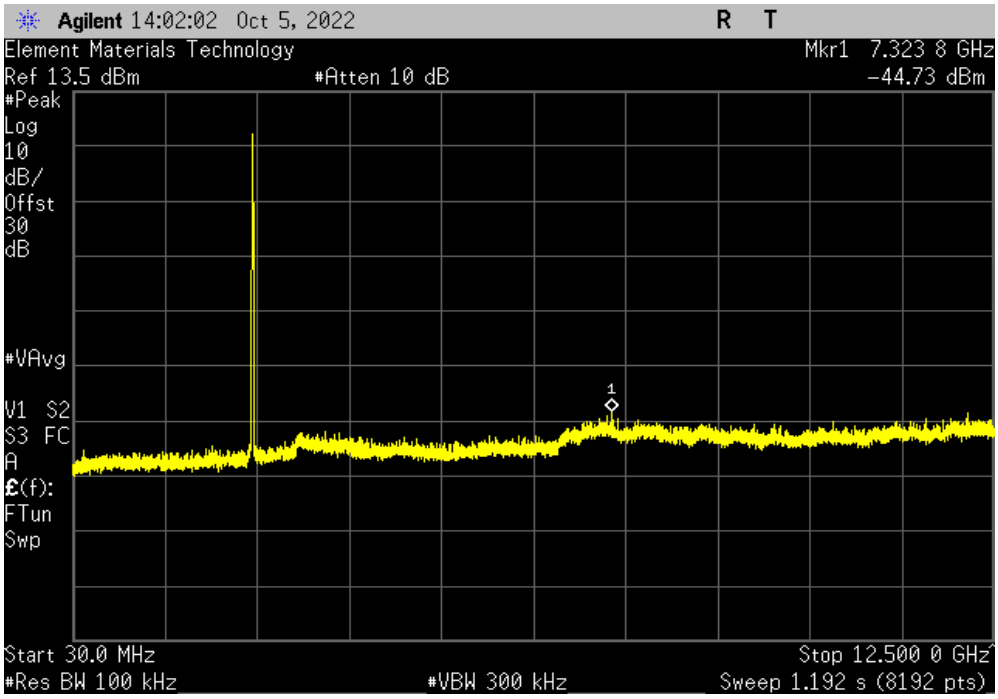


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 6 Mbps, High Channel 11, 2462 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2463.28	N/A	N/A	N/A

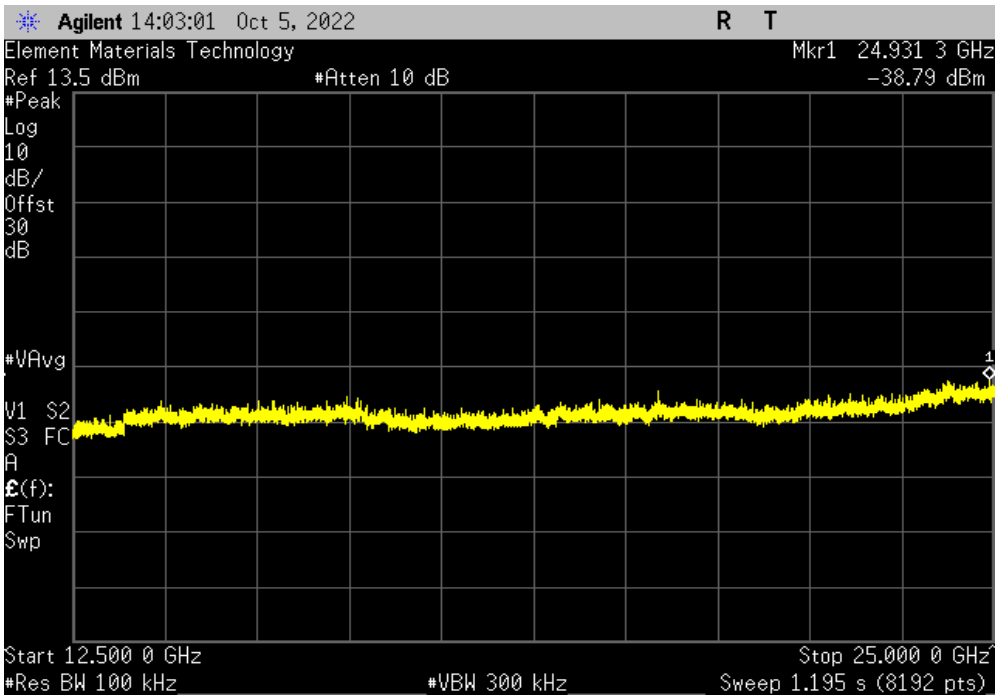


Chain 0, Legacy OFDM, 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	7323.8	-55	-30	Pass

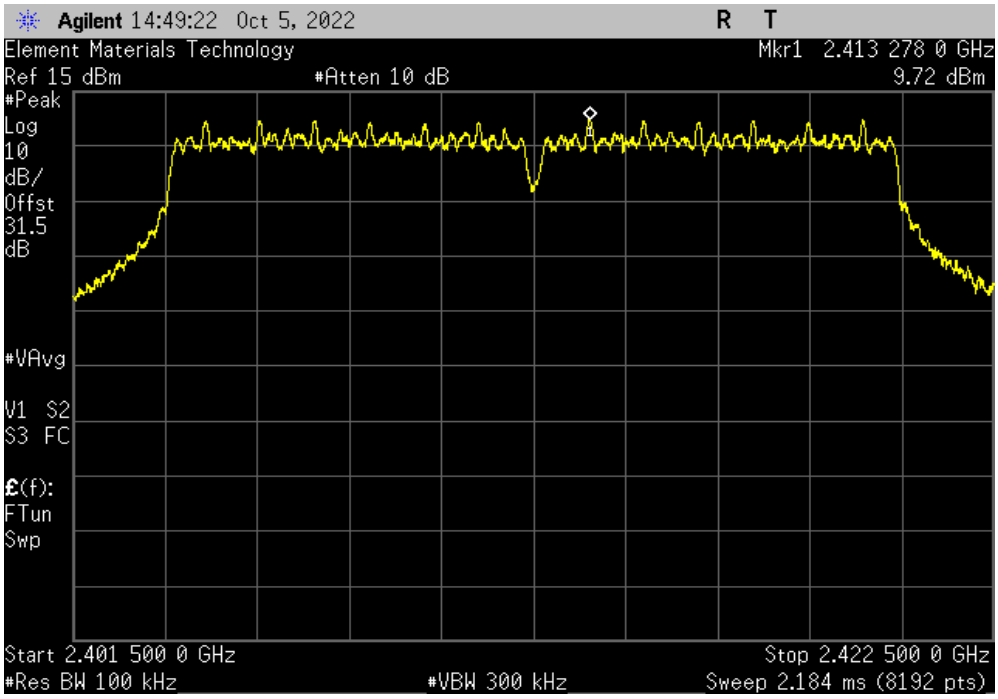


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24931.3	-49.06	-30	Pass

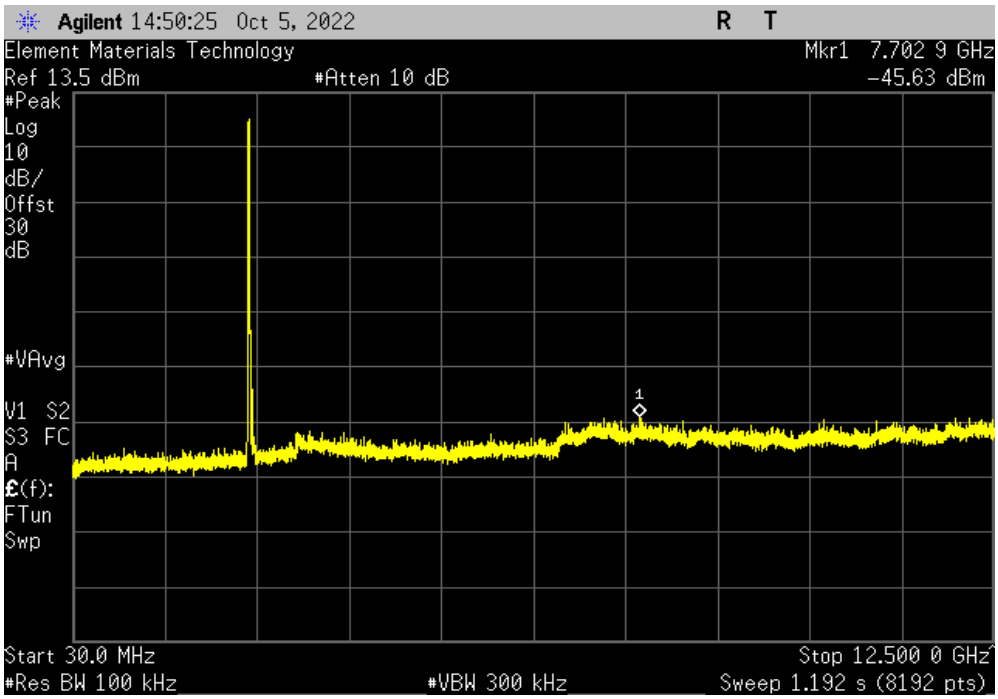


Chain 0, Legacy OFDM, 36 Mbps, Low Channel 1, 2412 MHz						
Frequency Range			Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental		2413.28	N/A	N/A	N/A

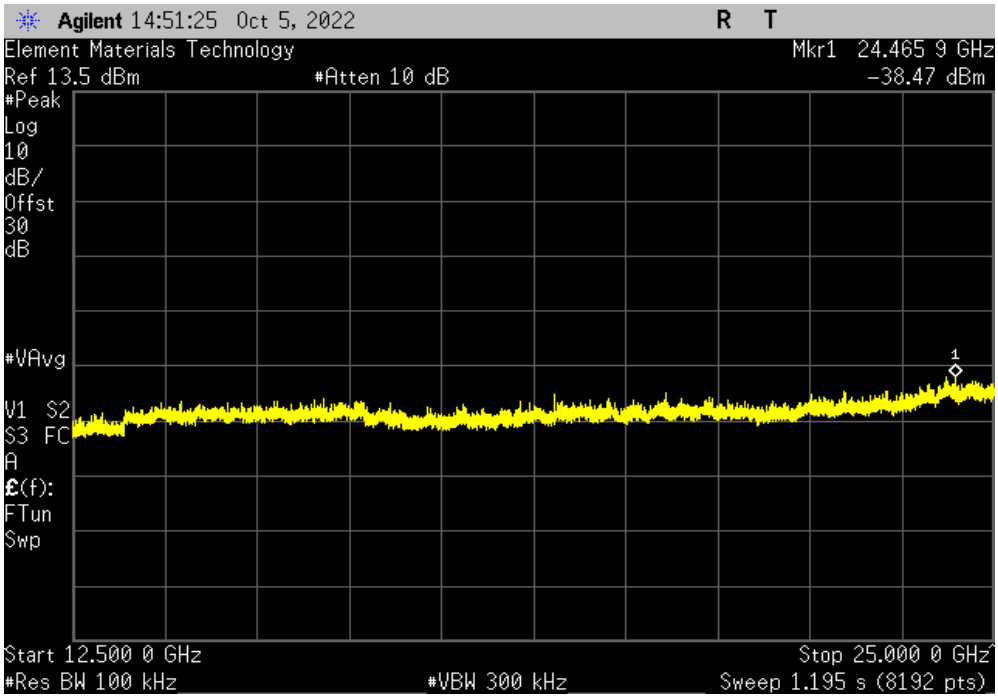


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	7702.9	-55.35	-30	Pass

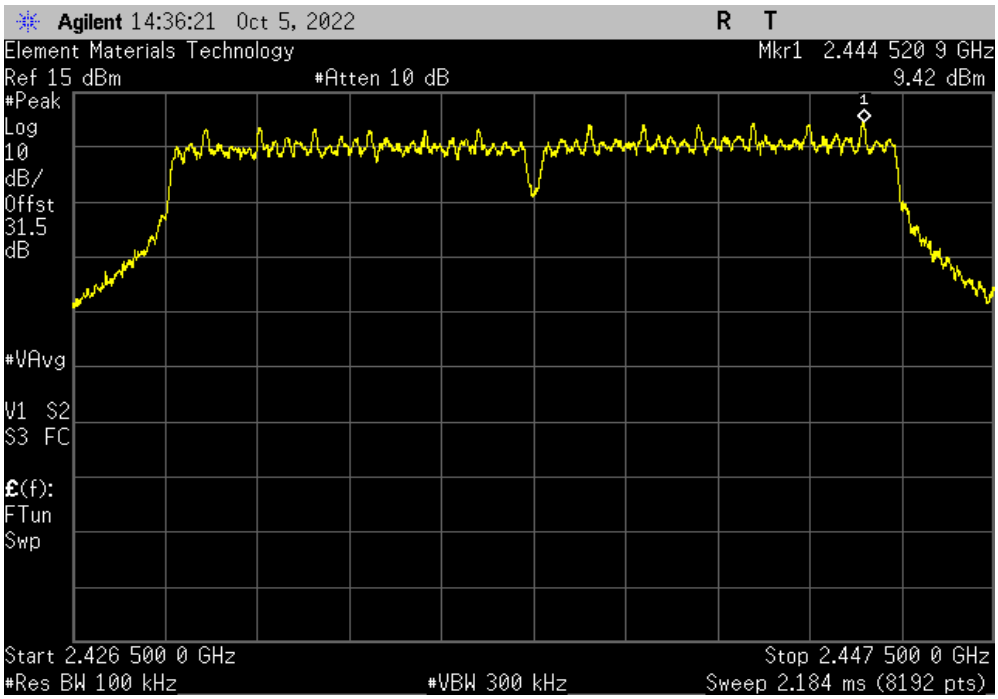


Chain 0, Legacy OFDM, 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24465.9	-48.19	-30	Pass

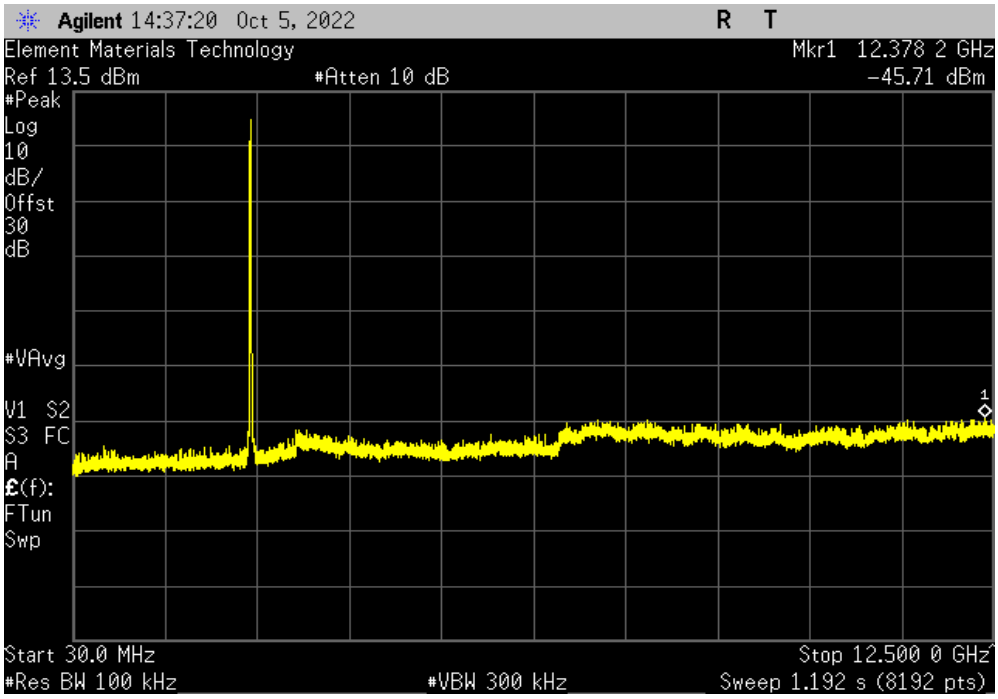


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 36 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2444.52	N/A	N/A	N/A

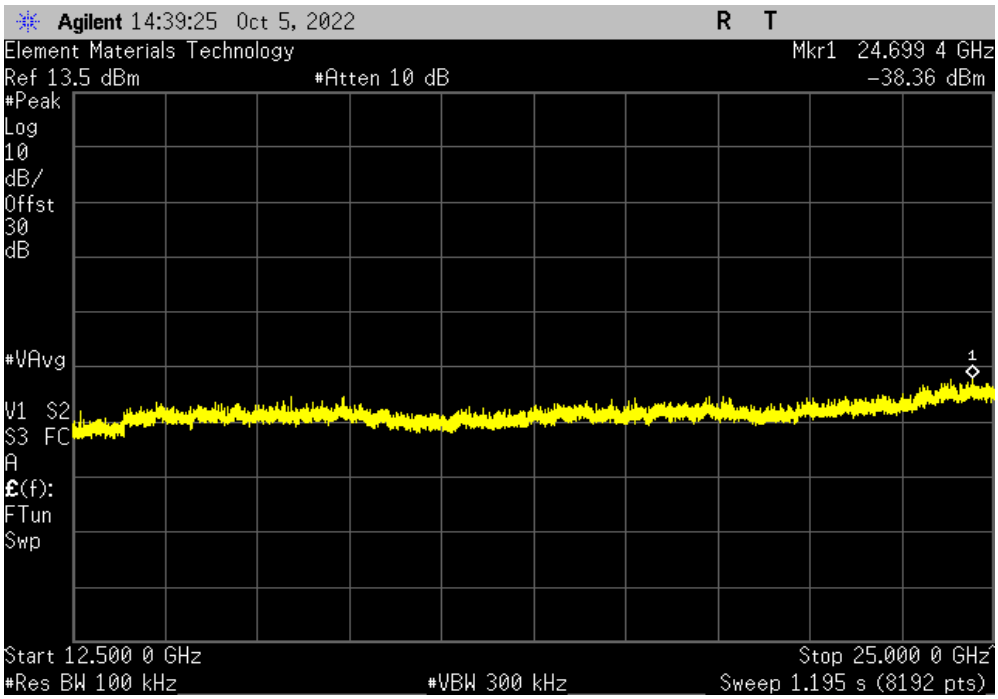


Chain 0, Legacy OFDM, 36 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12378.2	-55.13	-30	Pass

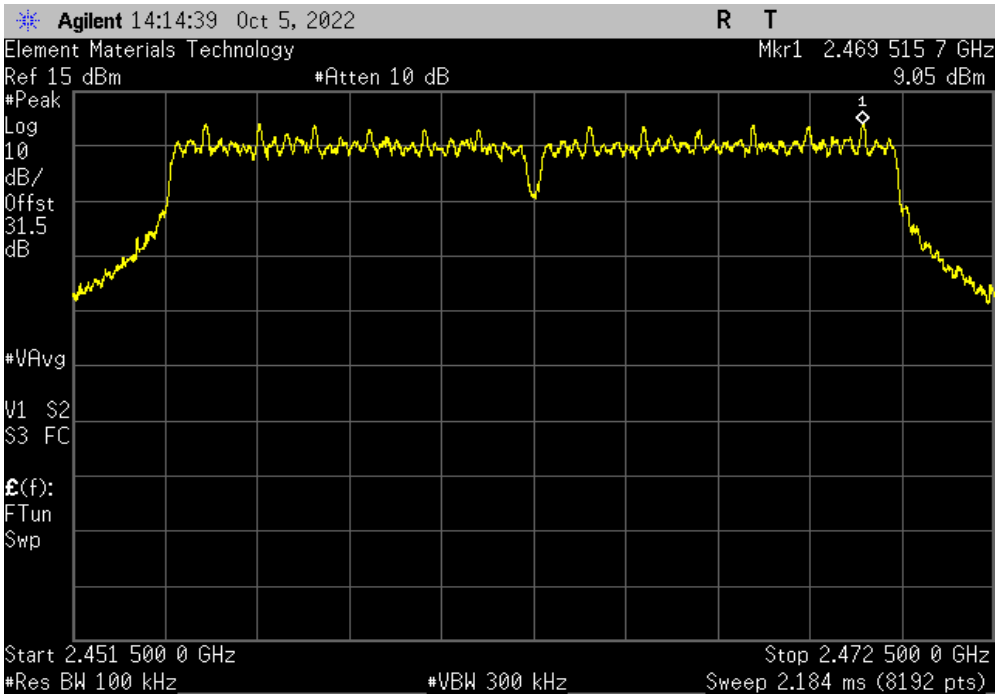


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

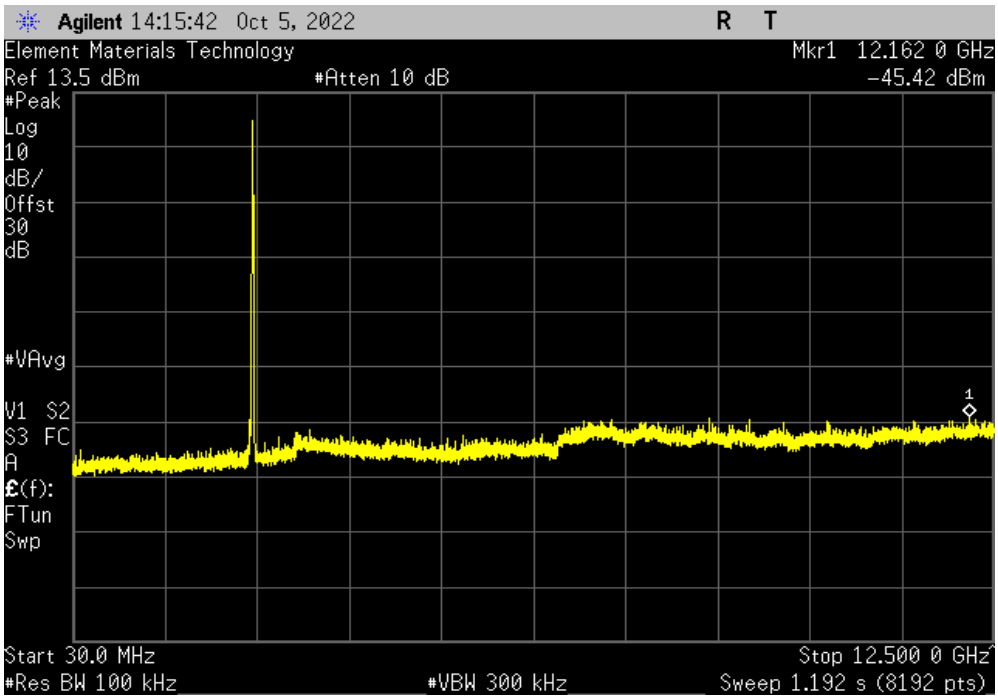
Chain 0, Legacy OFDM, 36 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24699.4	-47.78	-30	Pass



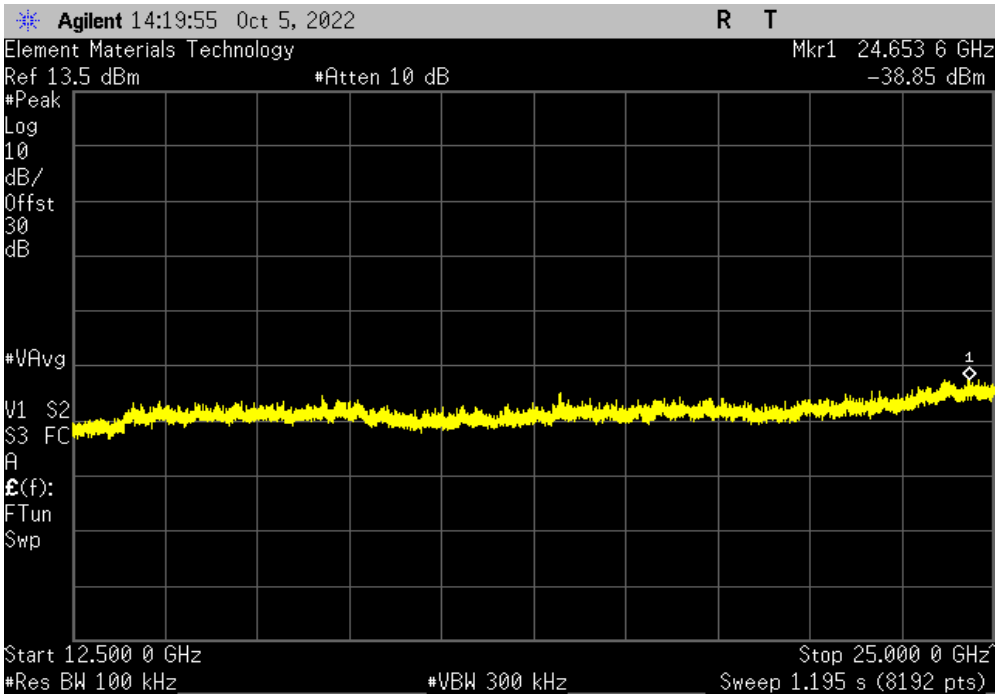
Chain 0, Legacy OFDM, 36 Mbps, High Channel 11, 2462 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2469.52	N/A	N/A	N/A



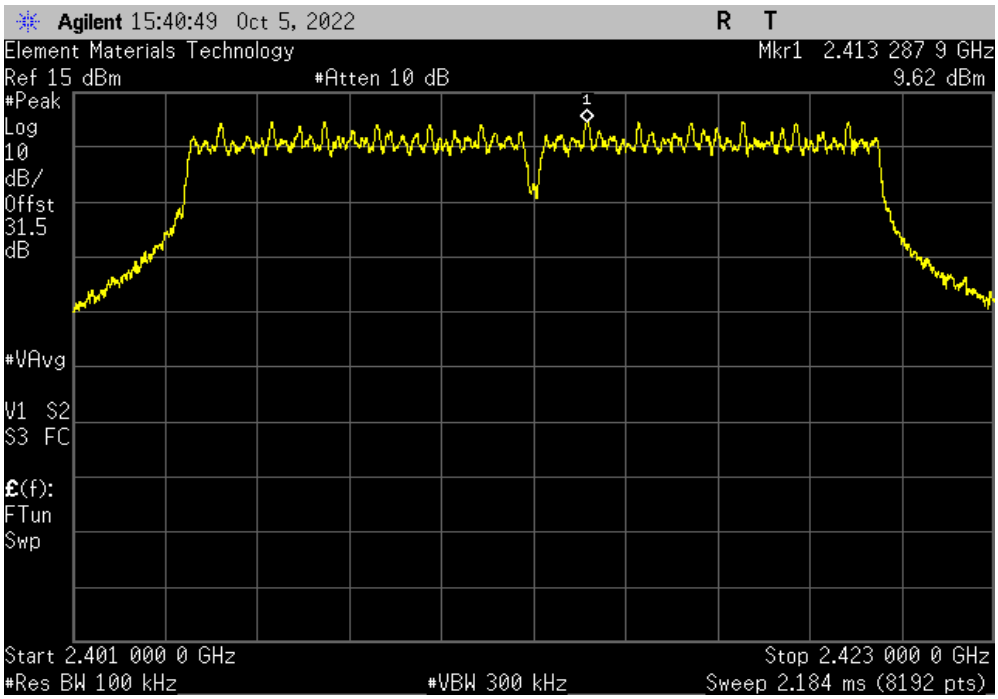
Chain 0, Legacy OFDM, 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz	12162	-54.47	-30	Pass



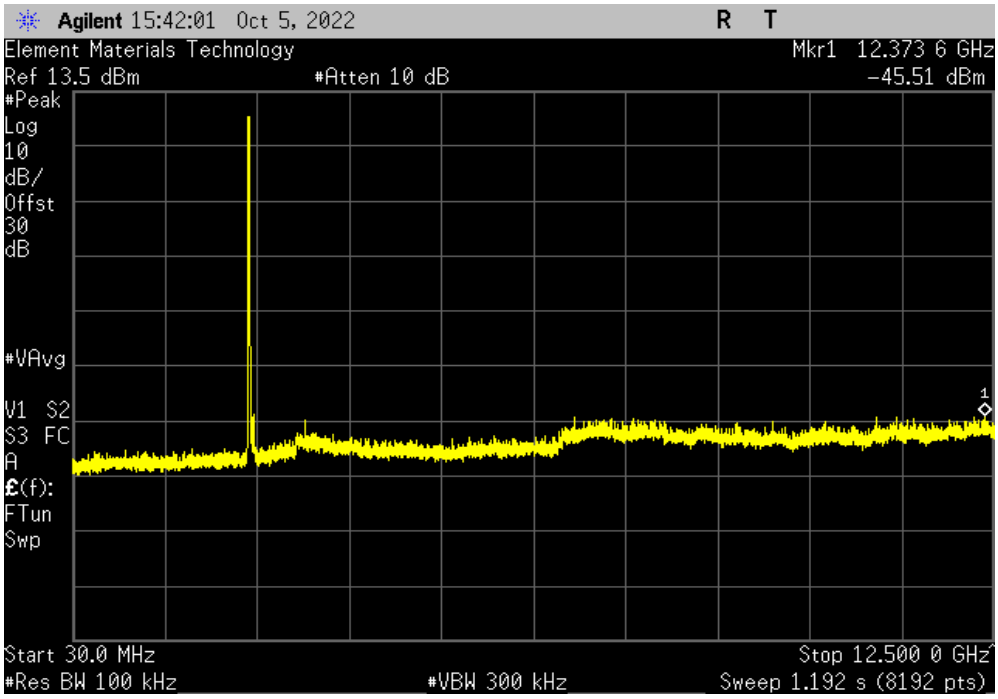
Chain 0, Legacy OFDM, 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz	24653.6	-47.9	-30	Pass



Chain 0, Legacy OFDM, 54 Mbps, Low Channel 1, 2412 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2413.29	N/A	N/A	N/A

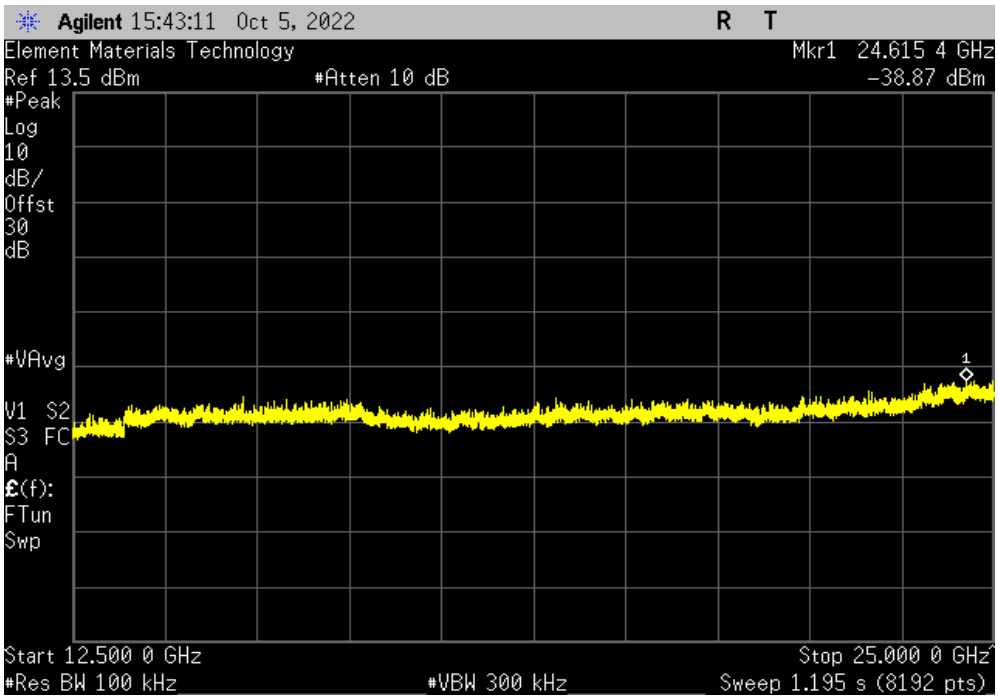


Chain 0, Legacy OFDM, 54 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12373.6	-55.13	-30	Pass

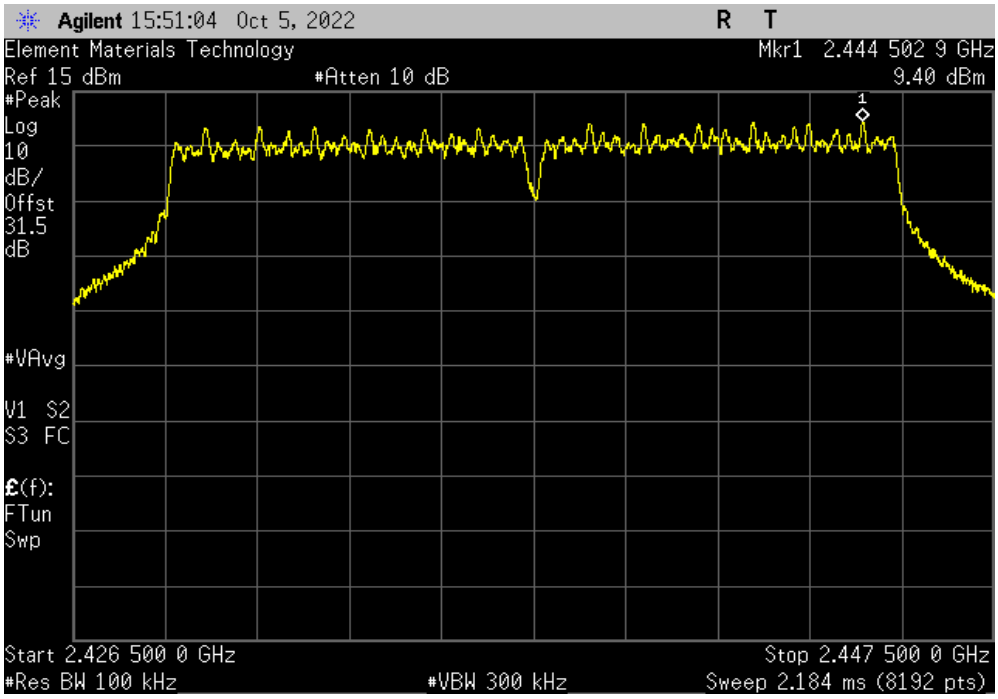


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 54 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24615.4	-48.49	-30	Pass

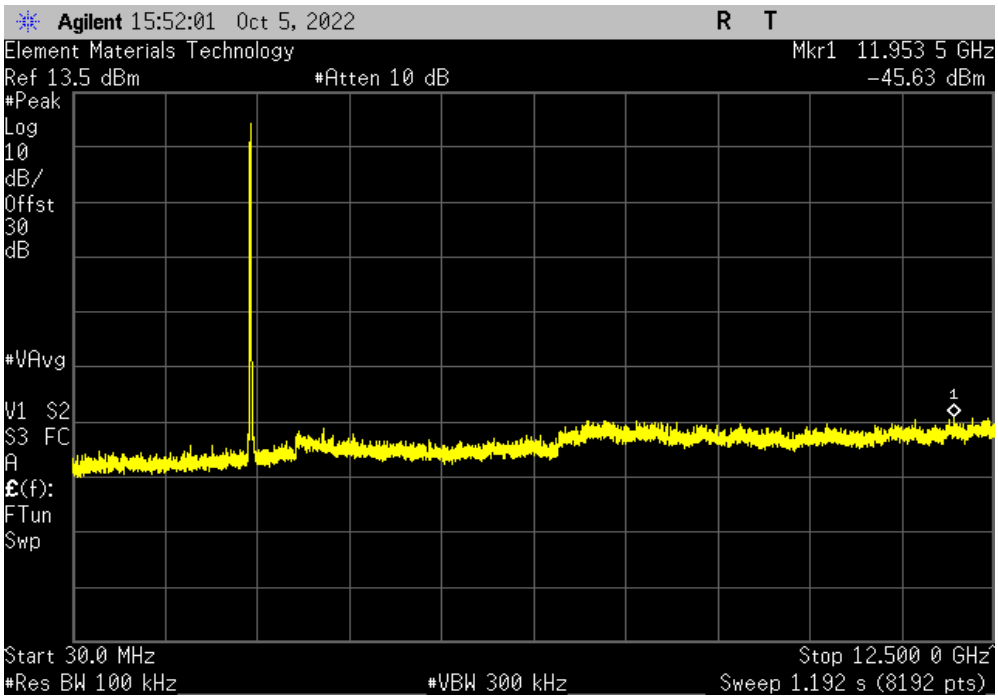


Chain 0, Legacy OFDM, 54 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2444.5	N/A	N/A	N/A

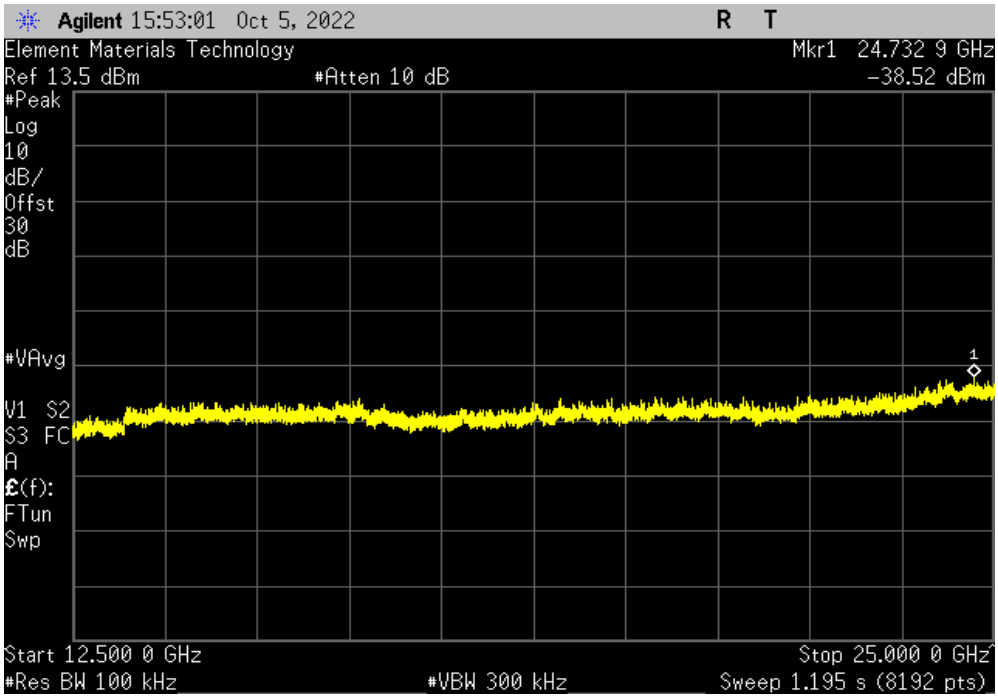


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	11953.5	-55.03	-30	Pass

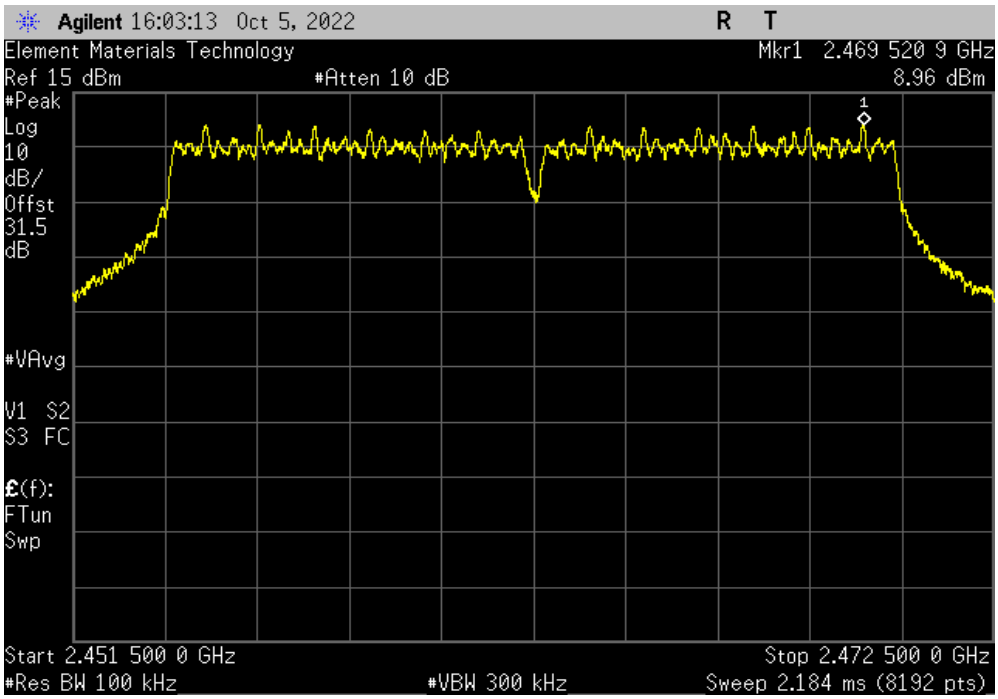


Chain 0, Legacy OFDM, 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24732.9	-47.92	-30	Pass

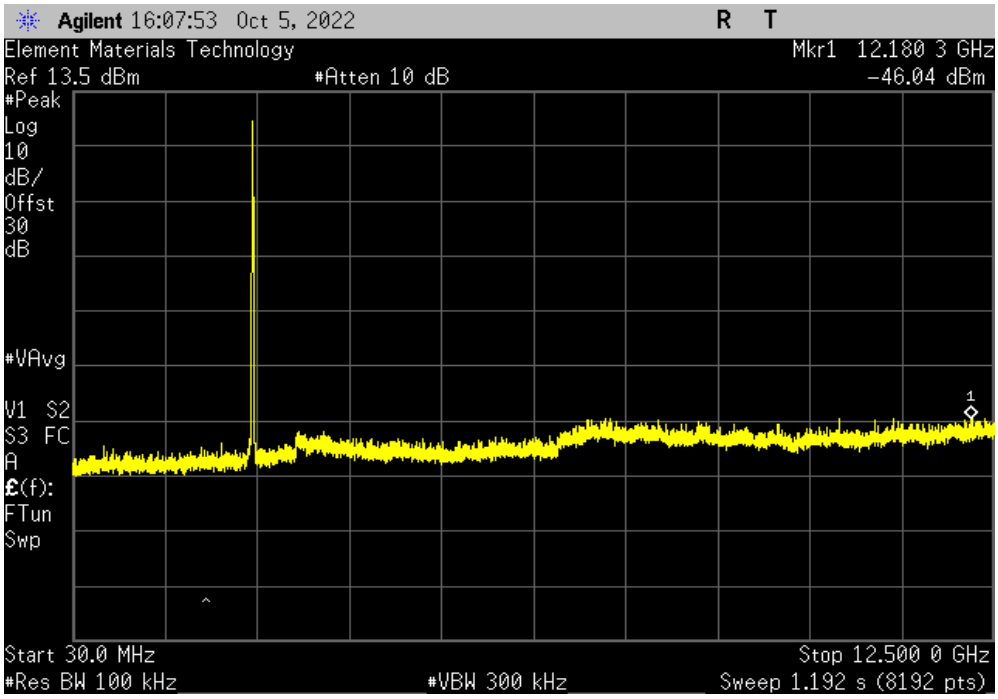


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, Legacy OFDM, 54 Mbps, High Channel 11, 2462 MHz						
	Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental		2469.52	N/A	N/A	N/A

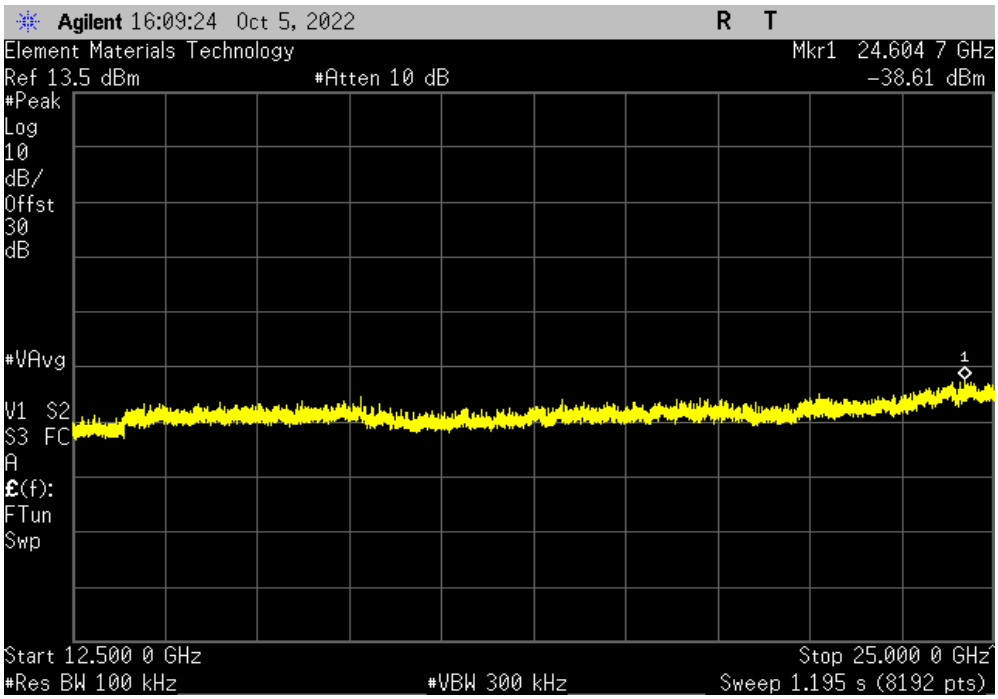


Chain 0, Legacy OFDM, 54 Mbps, High Channel 11, 2462 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12180.3	-55	-30	Pass

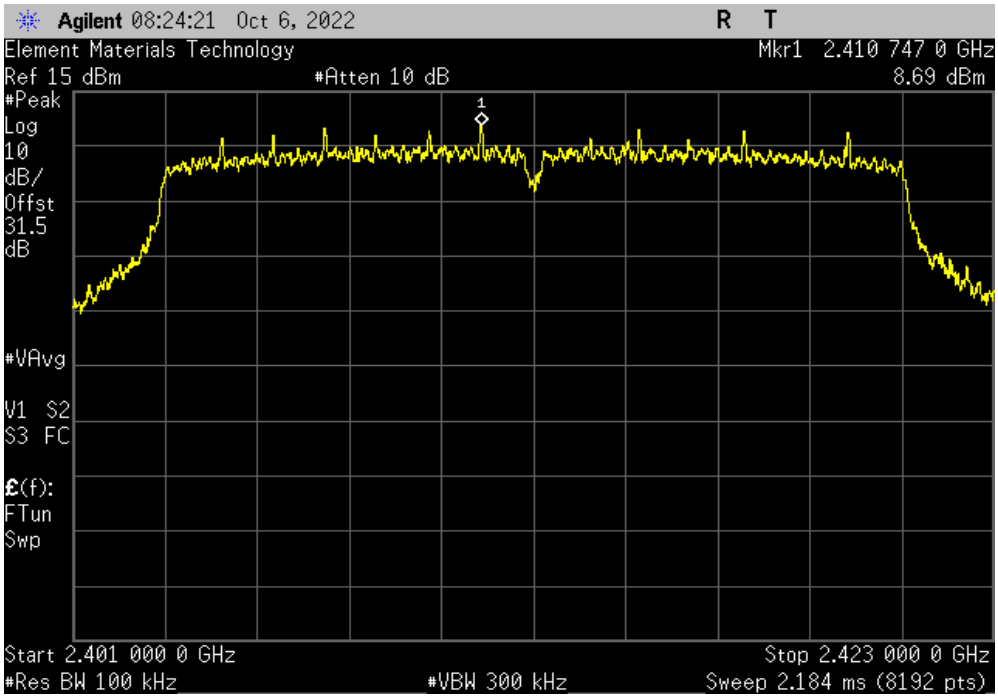


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

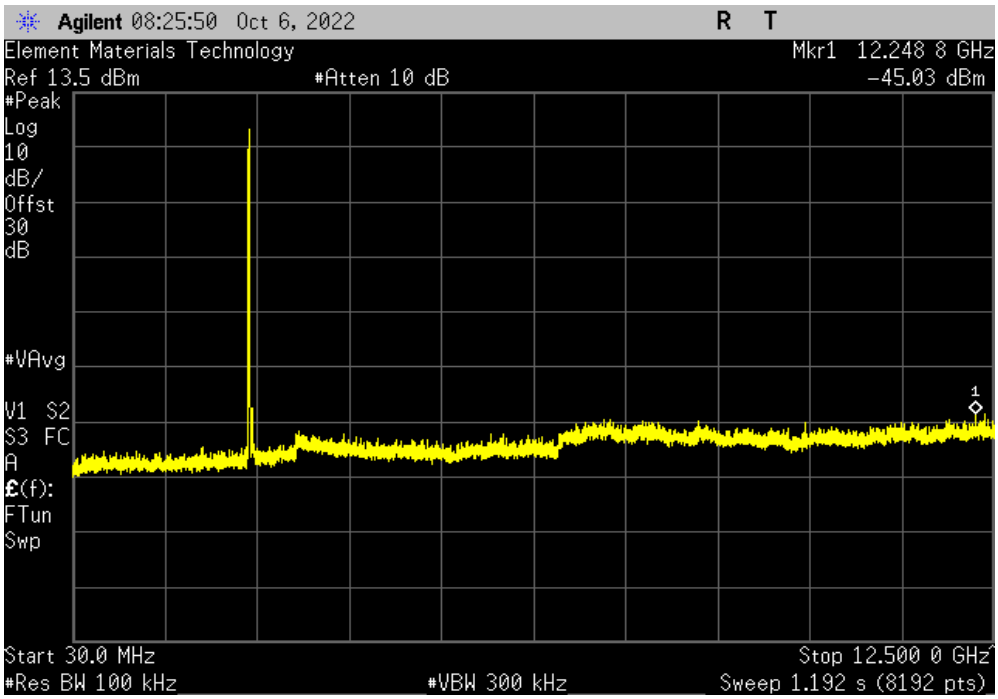
Chain 0, Legacy OFDM, 54 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24604.7	-47.57	-30	Pass



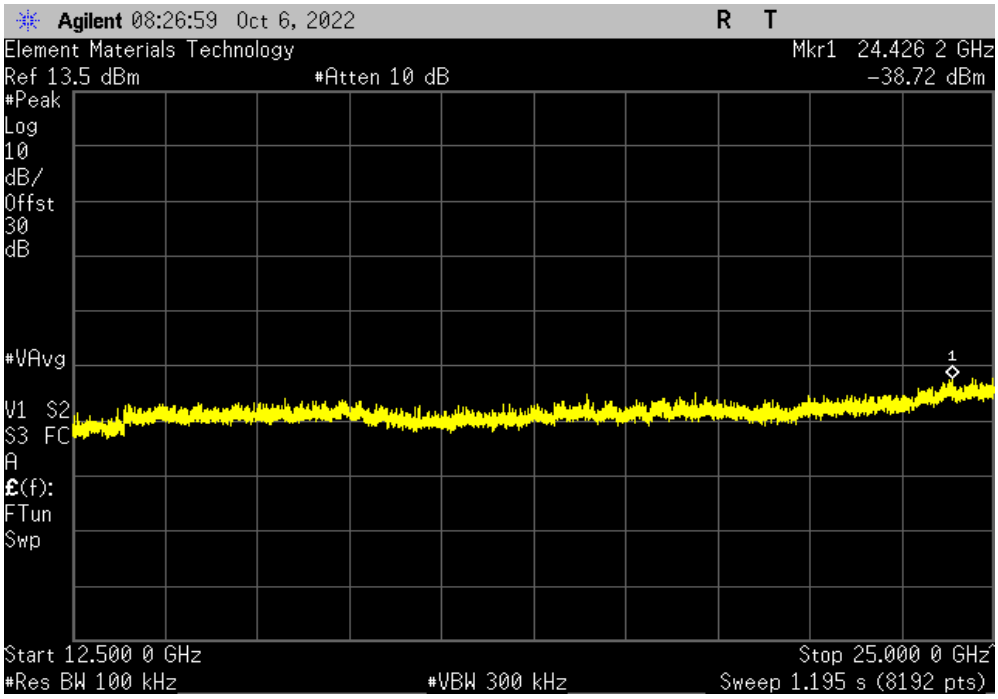
Chain 0, HT20, MCS0, Low Channel 1, 2412 MHz						
Frequency Range			Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental		2410.75	N/A	N/A	N/A



Chain 0, HT20, MCS0, Low Channel 1, 2412 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz	12248.8	-53.72	-30	Pass

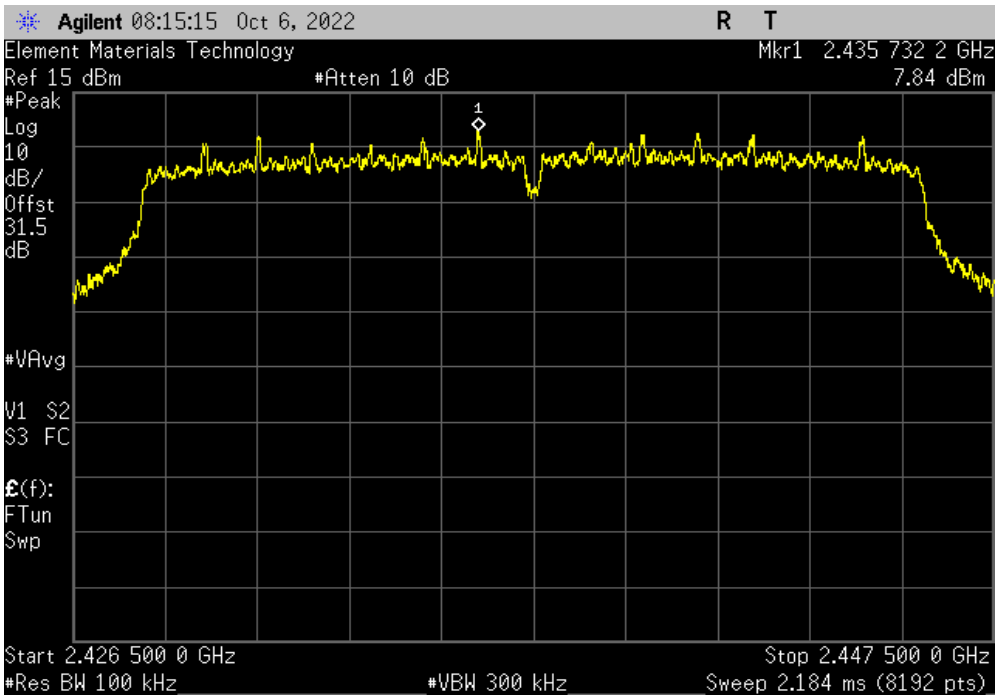


Chain 0, HT20, MCS0, Low Channel 1, 2412 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz	24426.2	-47.41	-30	Pass

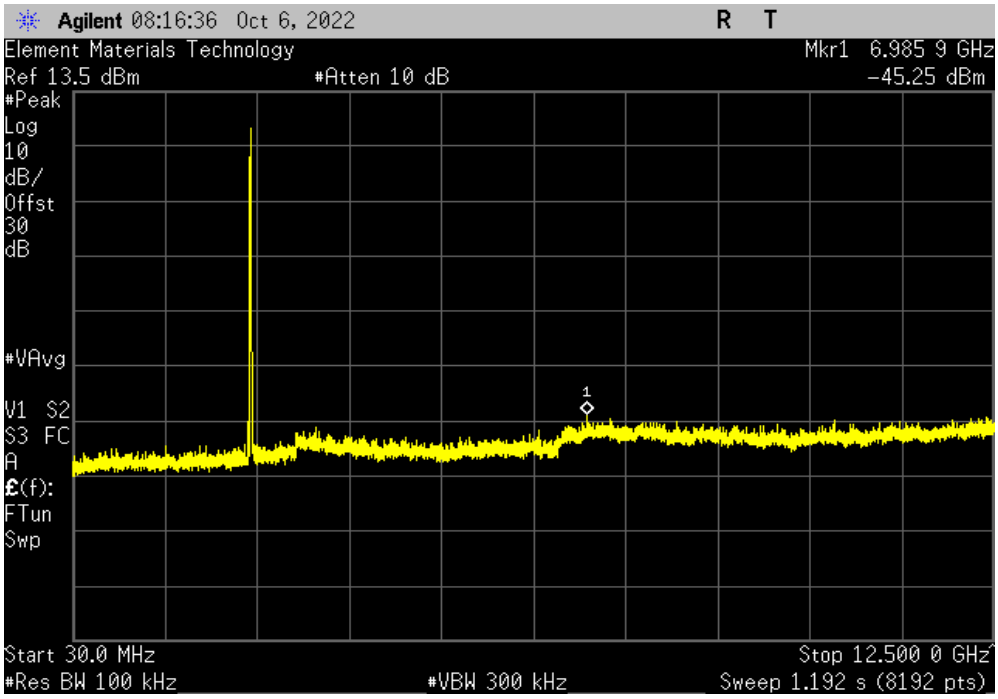


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, HT20, MCS0, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2435.73	N/A	N/A	N/A

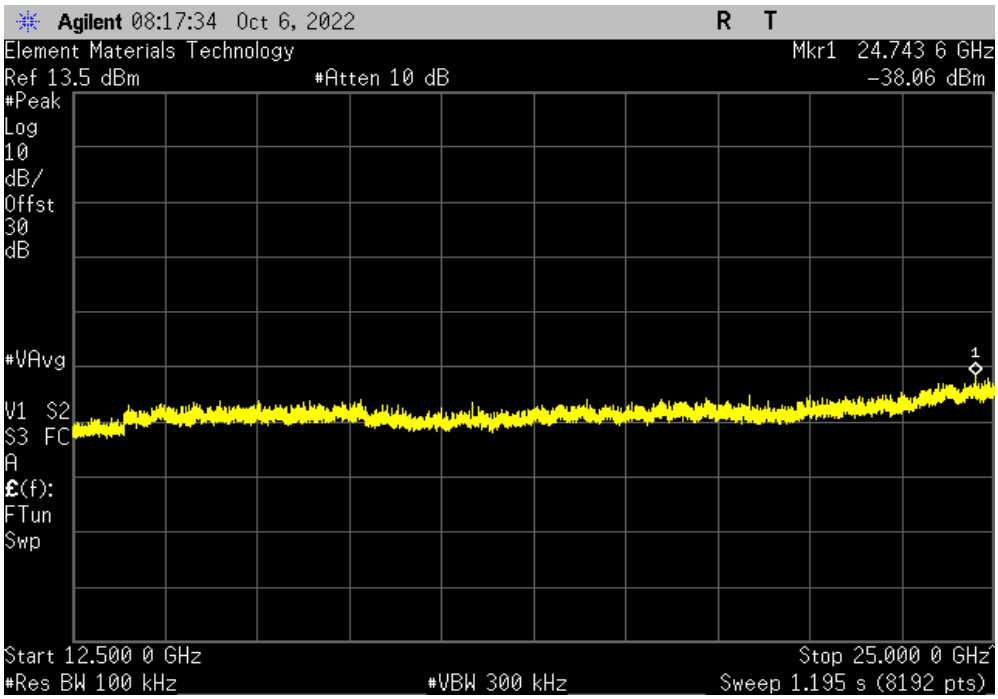


Chain 0, HT20, MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	6985.9	-53.09	-30	Pass

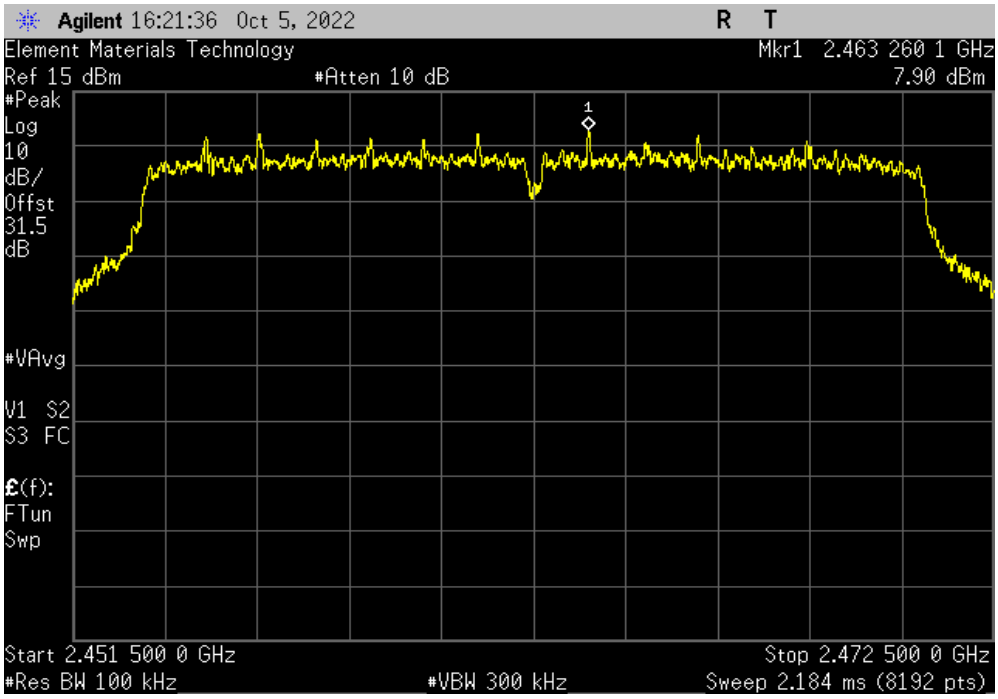


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, HT20, MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24743.6	-45.9	-30	Pass

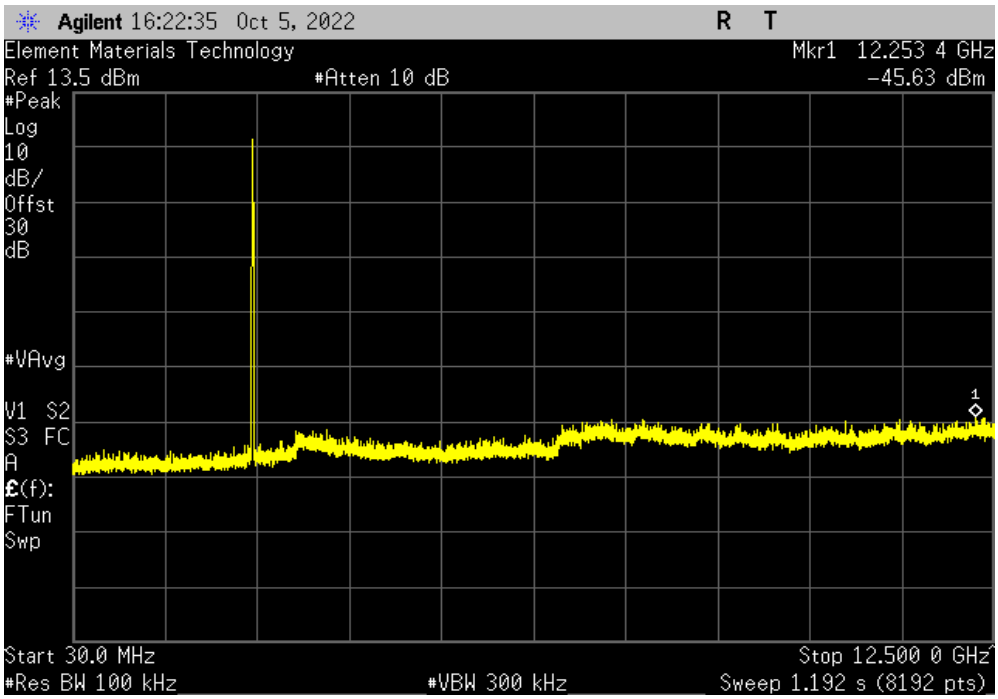


Chain 0, HT20, MCS0, High Channel 11, 2462 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2463.26	N/A	N/A	N/A

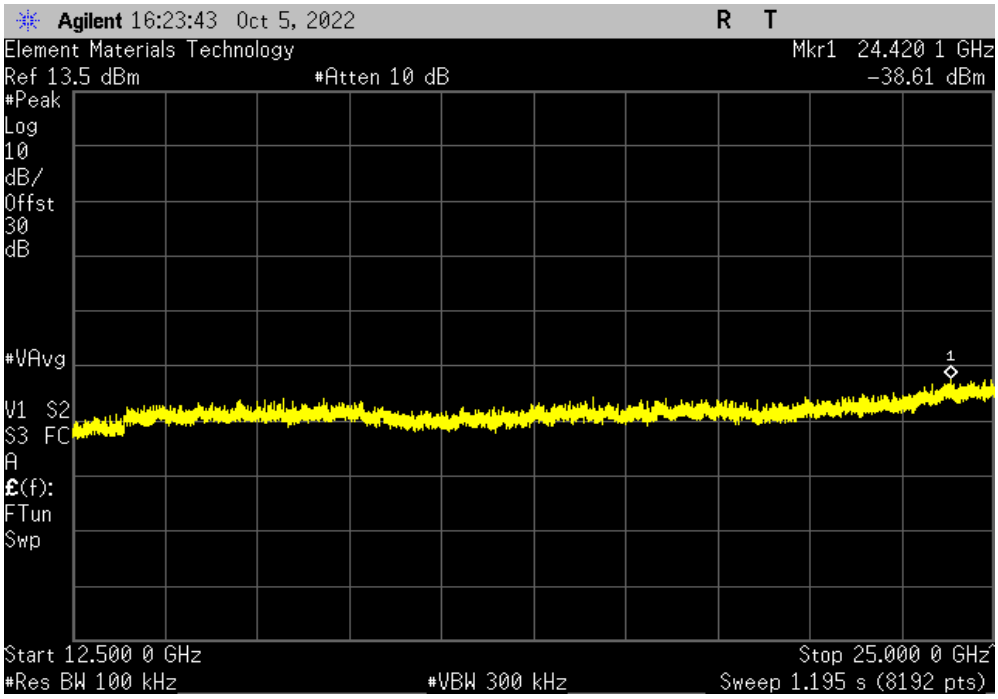


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

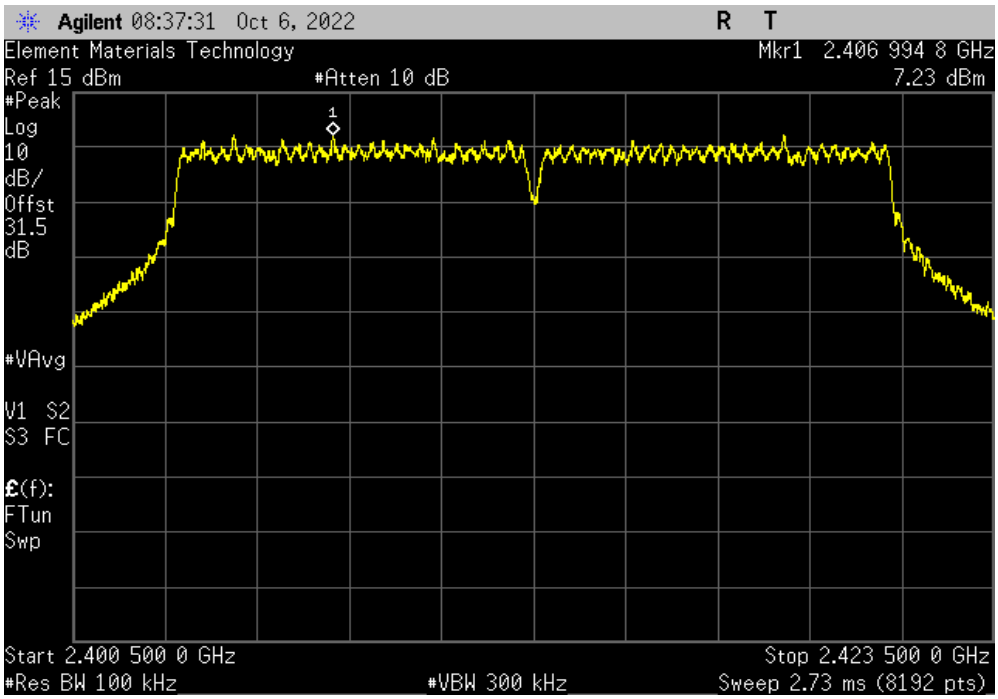
Chain 0, HT20, MCS0, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12253.4	-53.53	-30	Pass



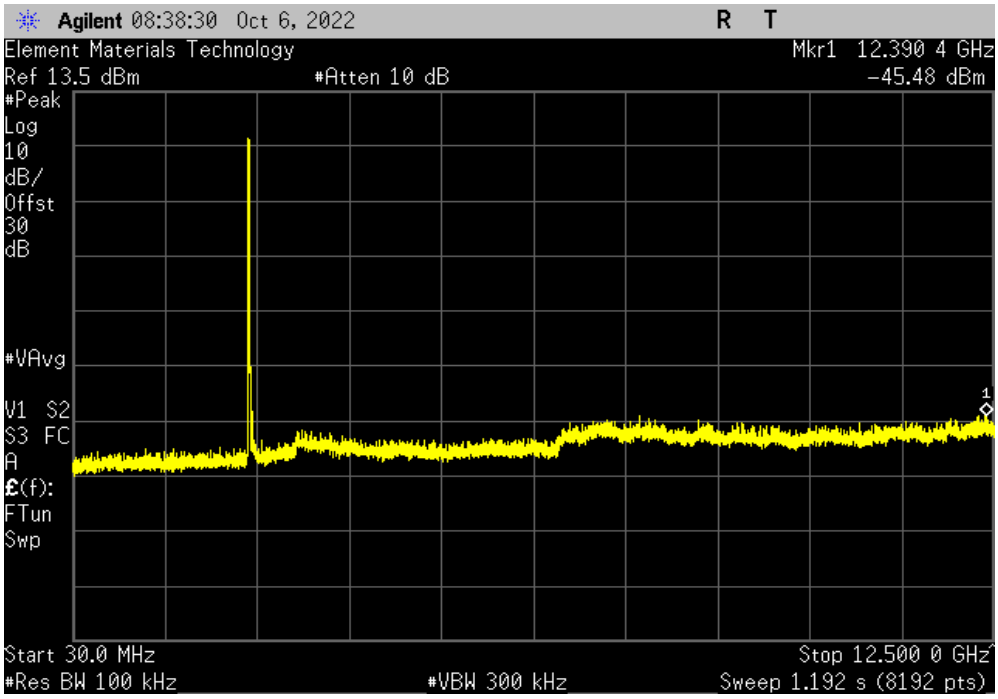
Chain 0, HT20, MCS0, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24420.1	-46.51	-30	Pass



Chain 0, HT20, MCS7, Low Channel 1, 2412 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2406.99	N/A	N/A	N/A

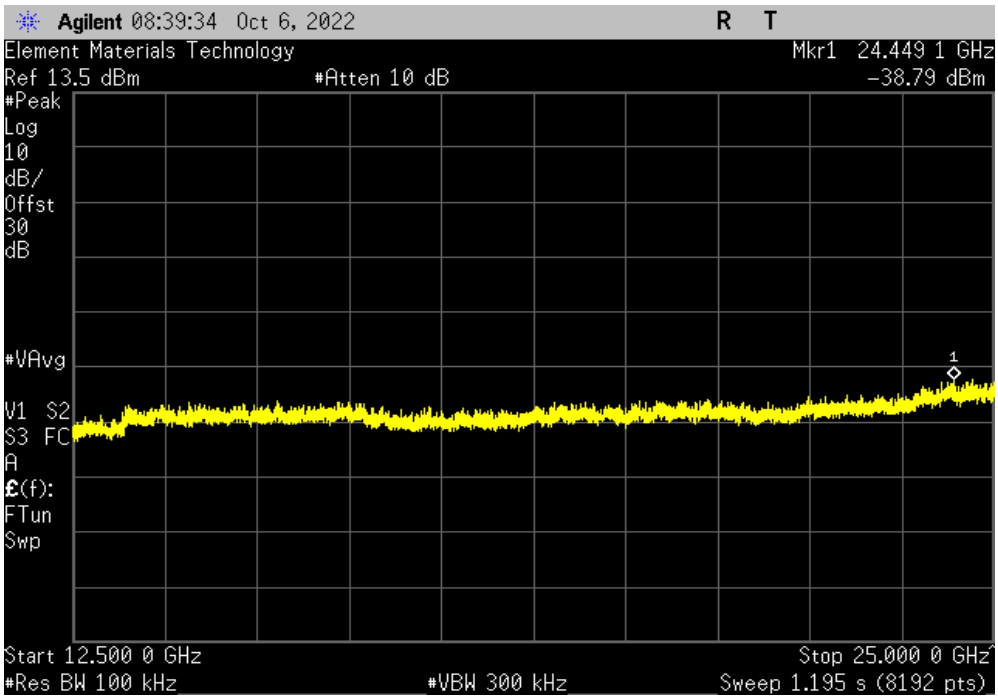


Chain 0, HT20, MCS7, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12390.4	-52.71	-30	Pass

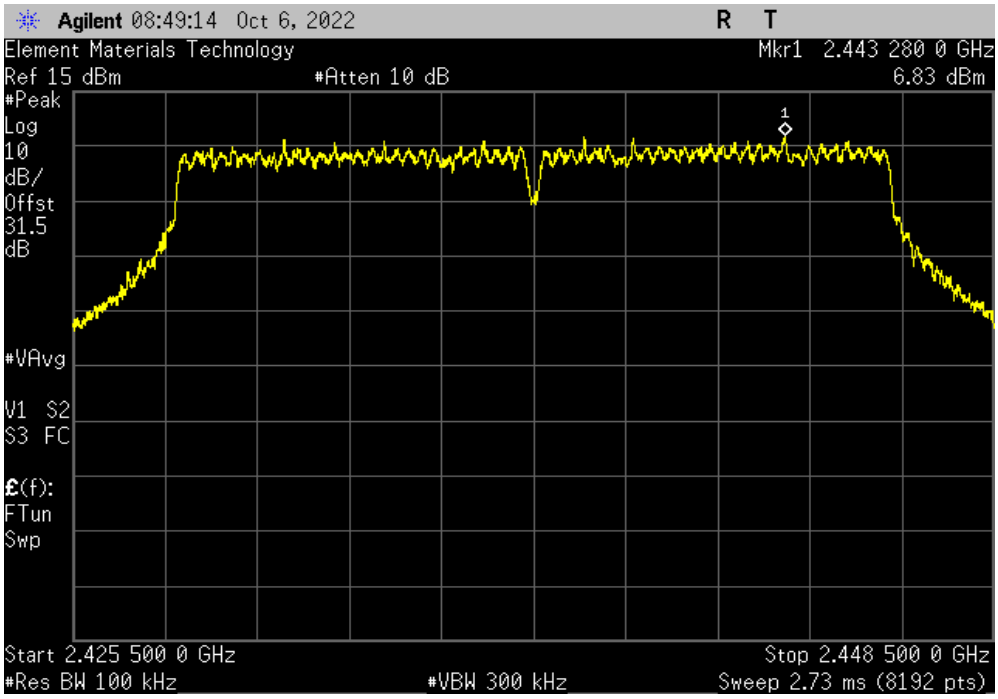


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, HT20, MCS7, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24449.1	-46.02	-30	Pass

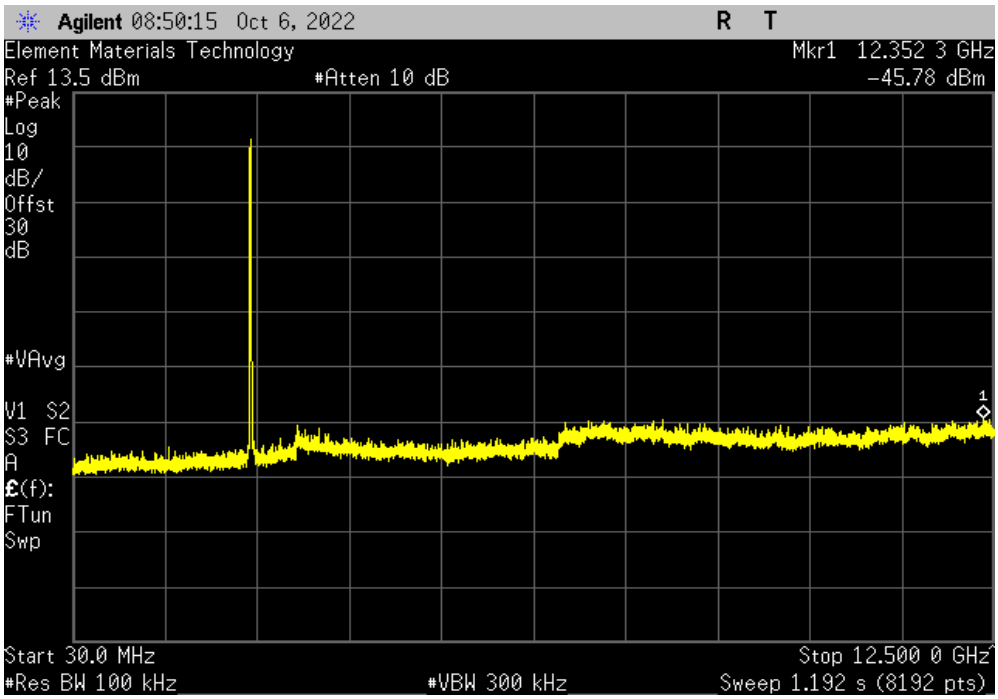


Chain 0, HT20, MCS7, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2443.28	N/A	N/A	N/A

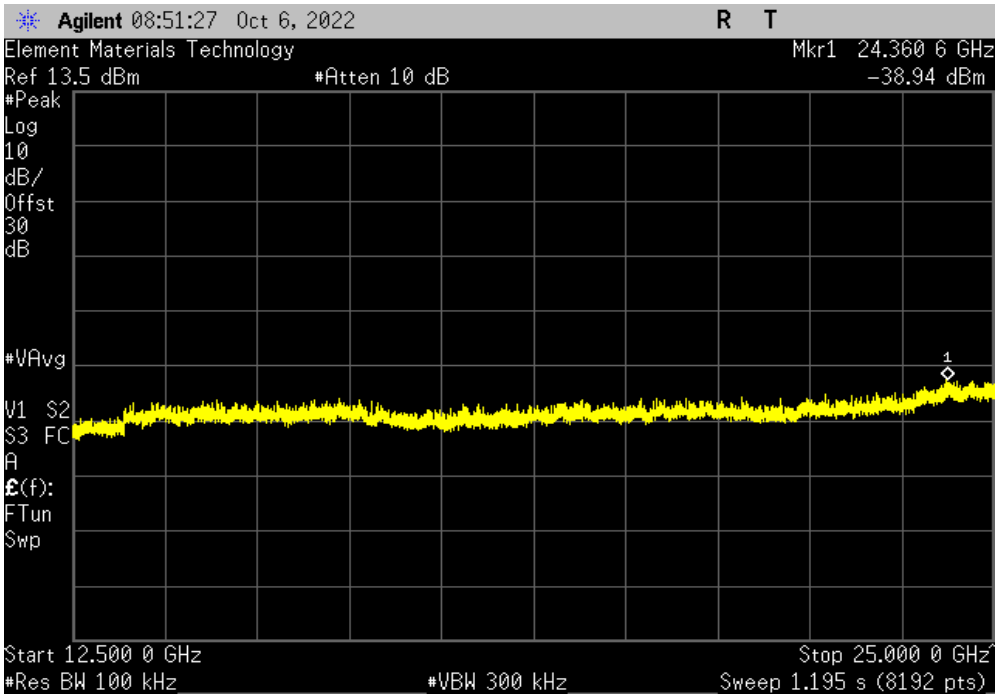


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, HT20, MCS7, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12352.3	-52.61	-30	Pass

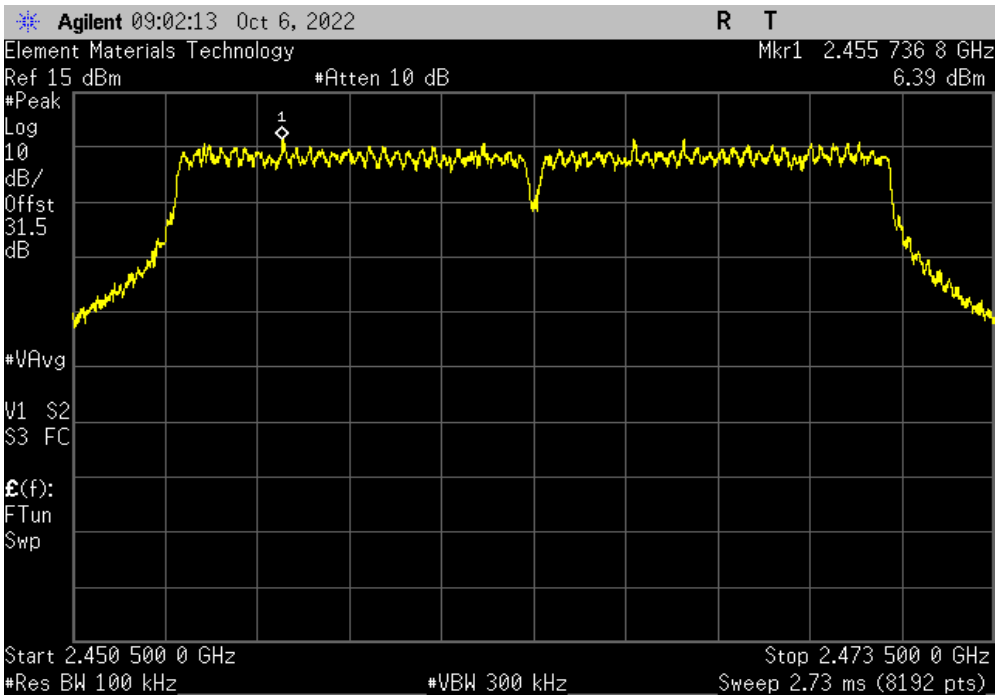


Chain 0, HT20, MCS7, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24360.6	-45.77	-30	Pass

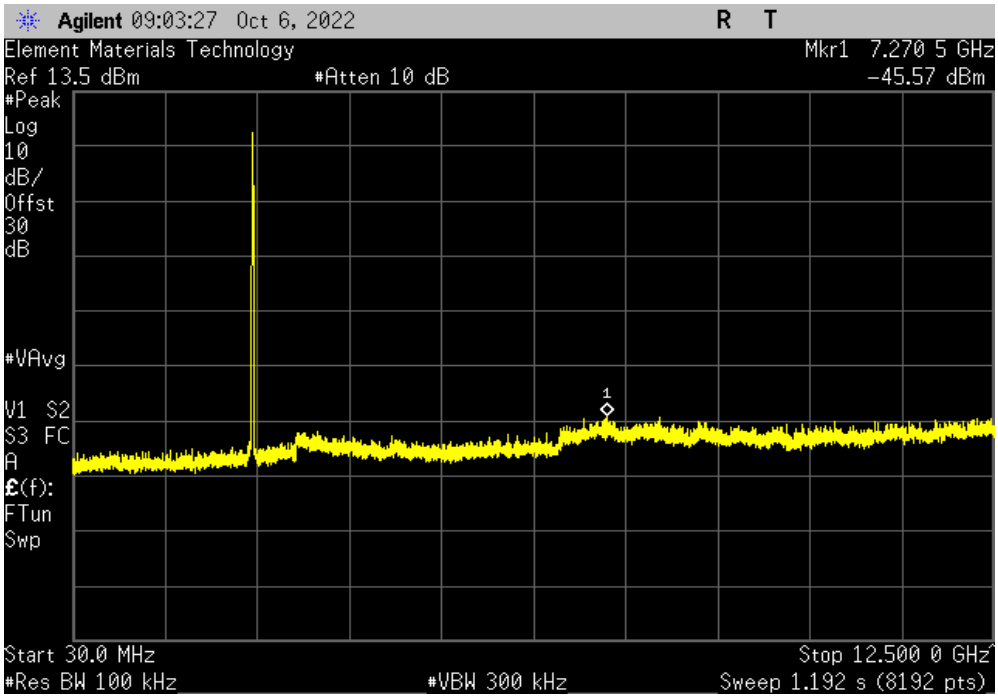


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, HT20, MCS7, High Channel 11, 2462 MHz						
	Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental		2455.74	N/A	N/A	N/A

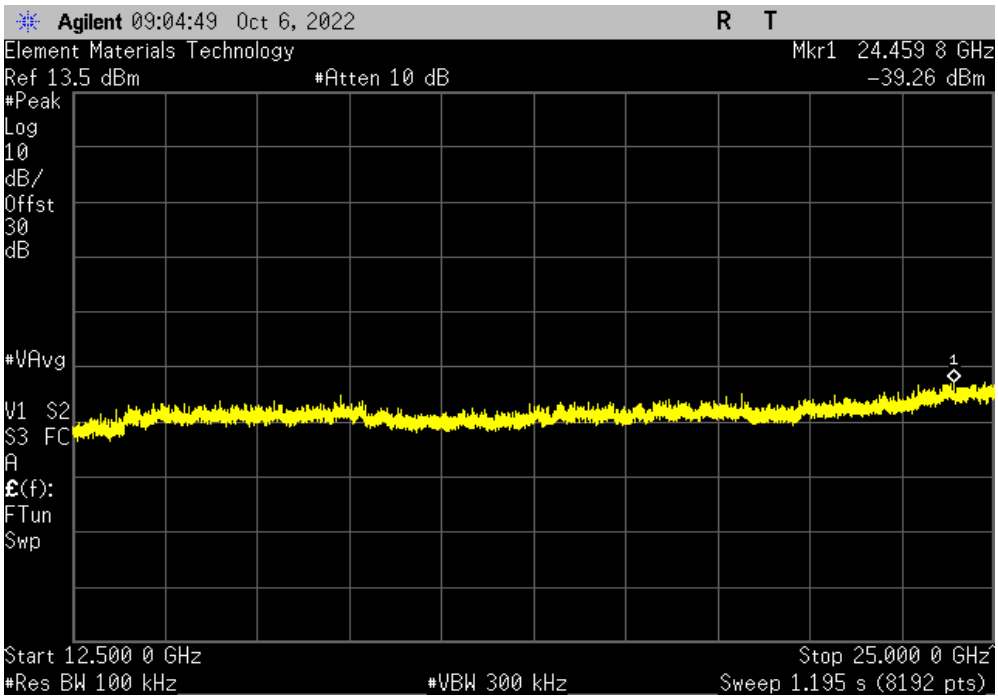


Chain 0, HT20, MCS7, High Channel 11, 2462 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	7270.5	-51.96	-30	Pass

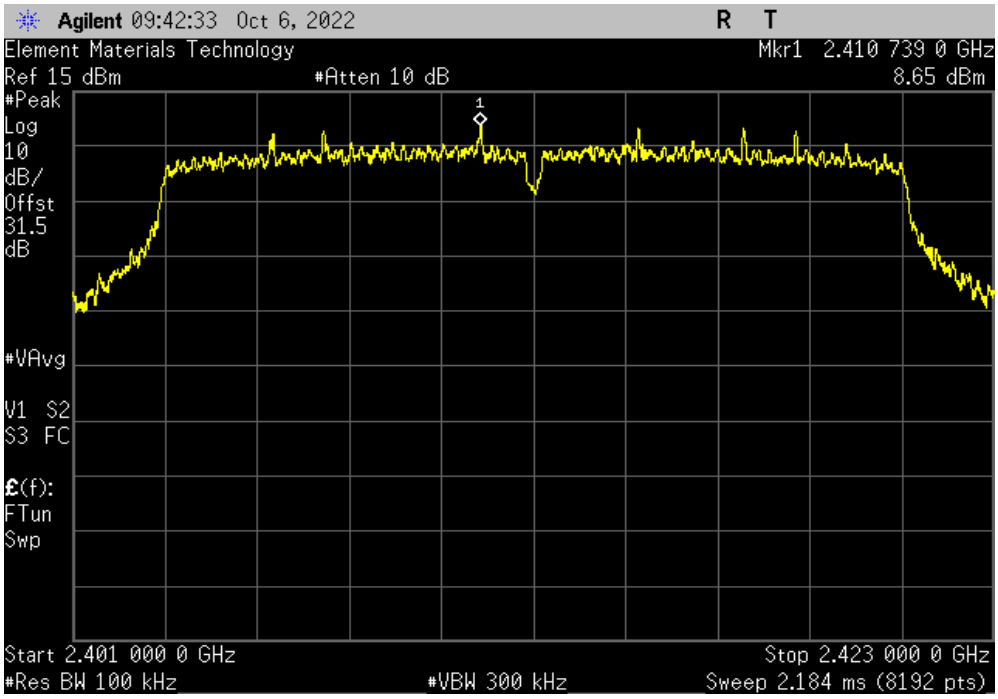


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, HT20, MCS7, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24459.8	-45.66	-30	Pass

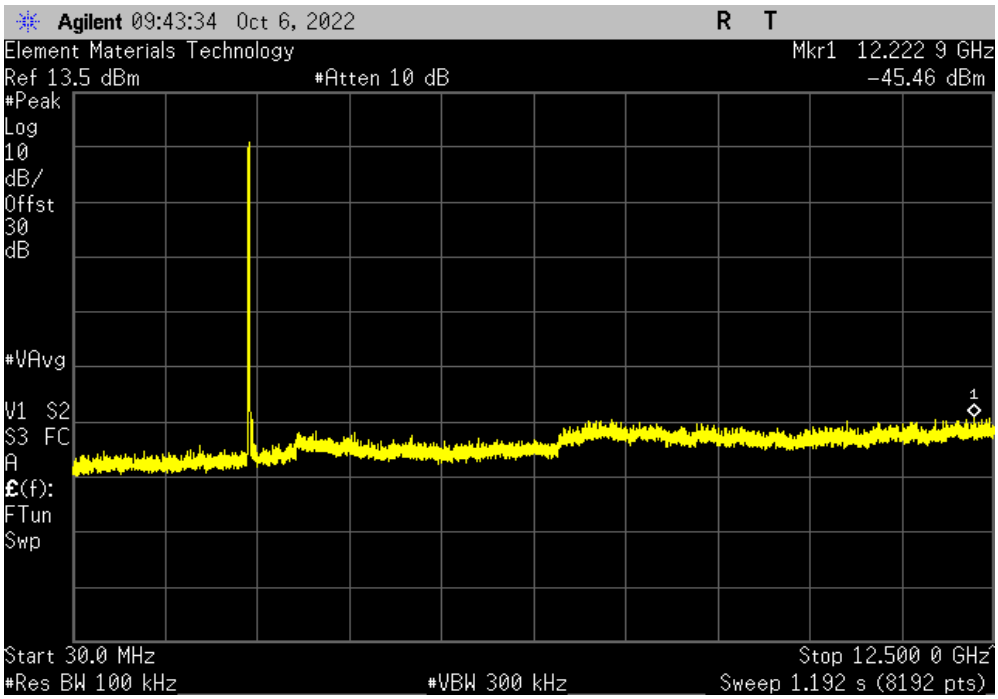


Chain 0, VHT20, MCS0, Low Channel 1, 2412 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2410.74	N/A	N/A	N/A

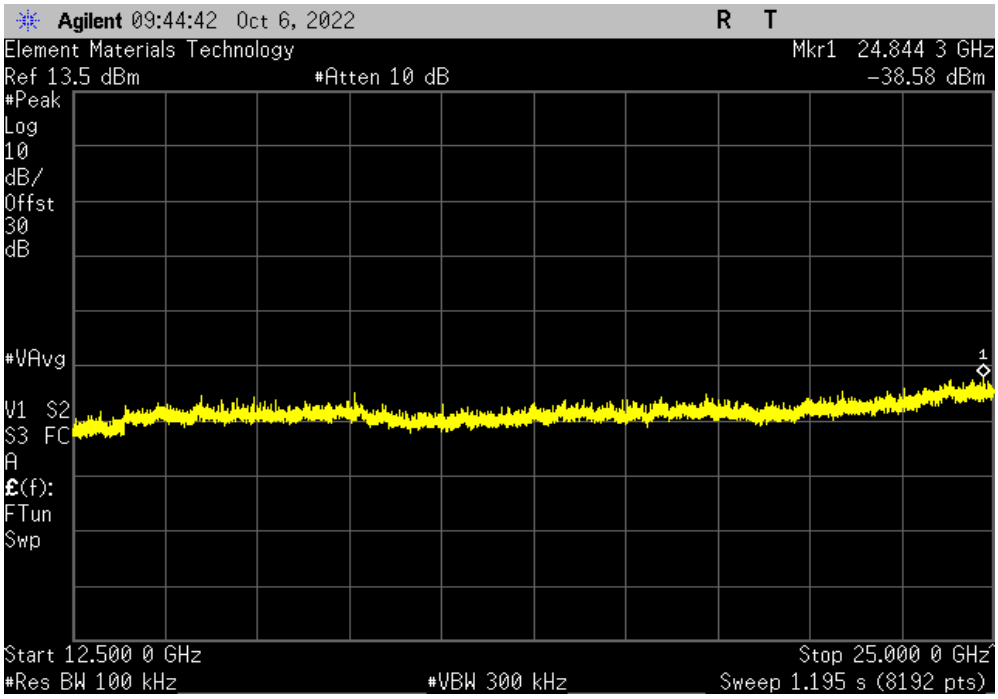


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, VHT20, MCS0, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12222.9	-54.11	-30	Pass



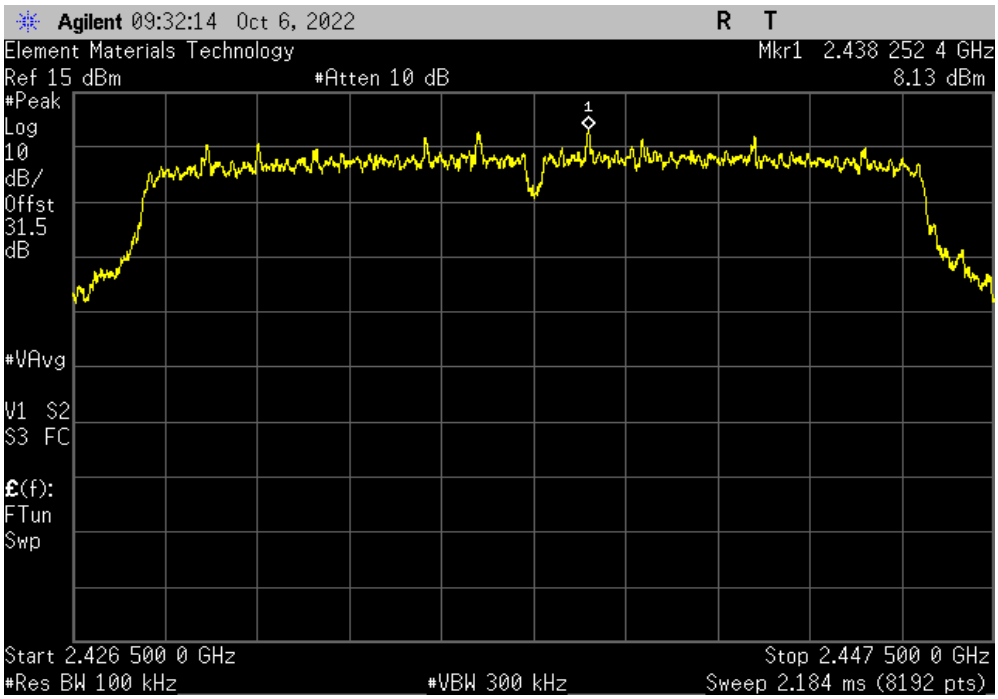
Chain 0, VHT20, MCS0, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24844.3	-47.23	-30	Pass



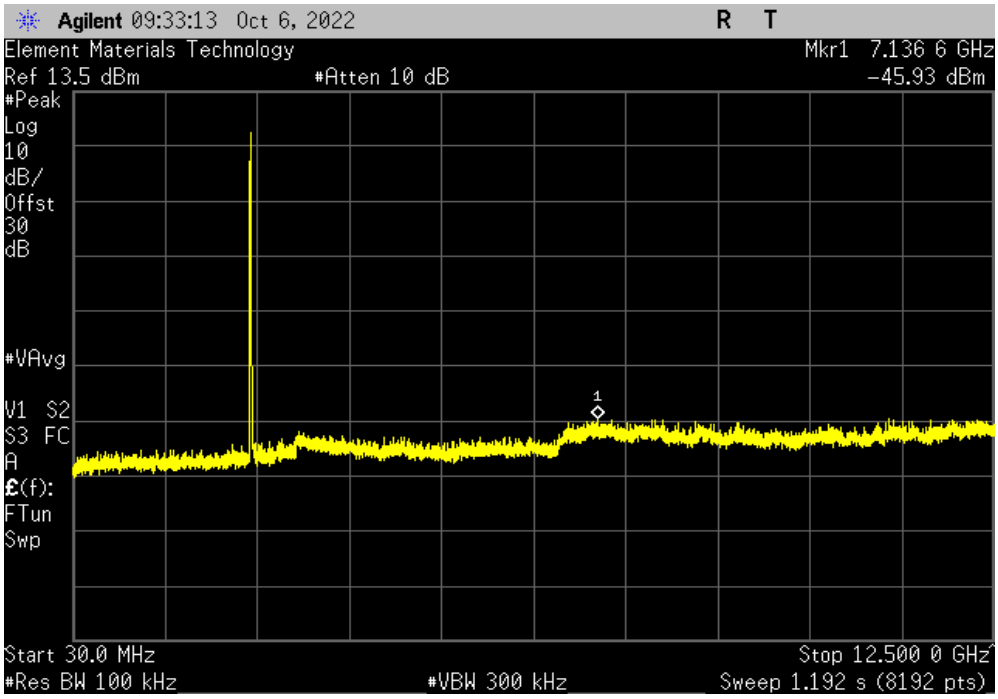
SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

TbtTx 2022.06.03.0 XMit 2022.02.07.0

Chain 0, VHT20, MCS0, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2438.25	N/A	N/A	N/A

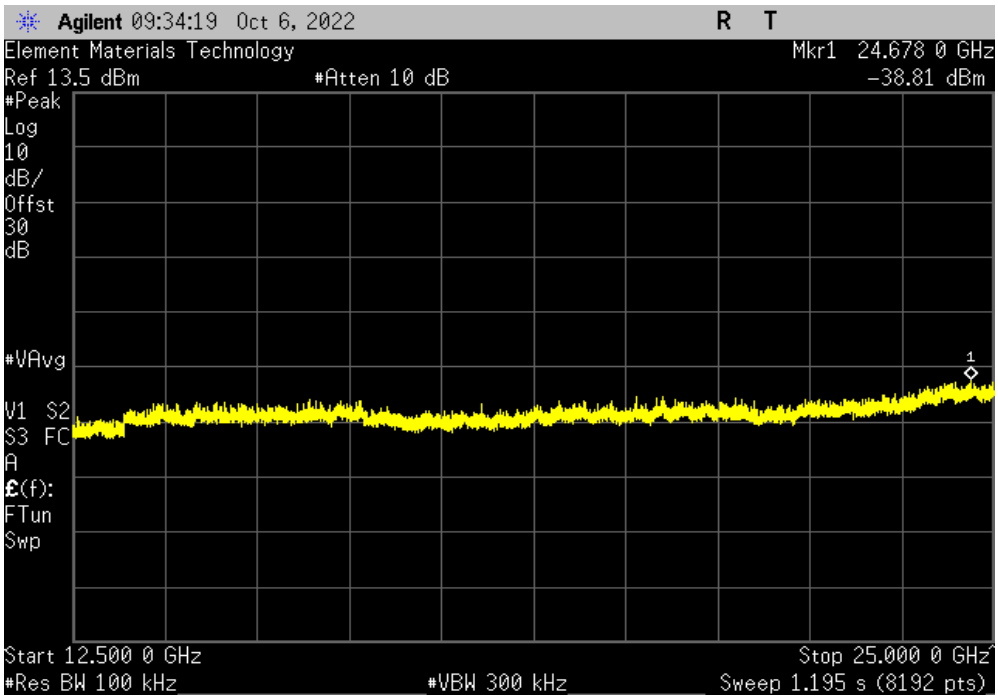


Chain 0, VHT20, MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	7136.6	-54.06	-30	Pass

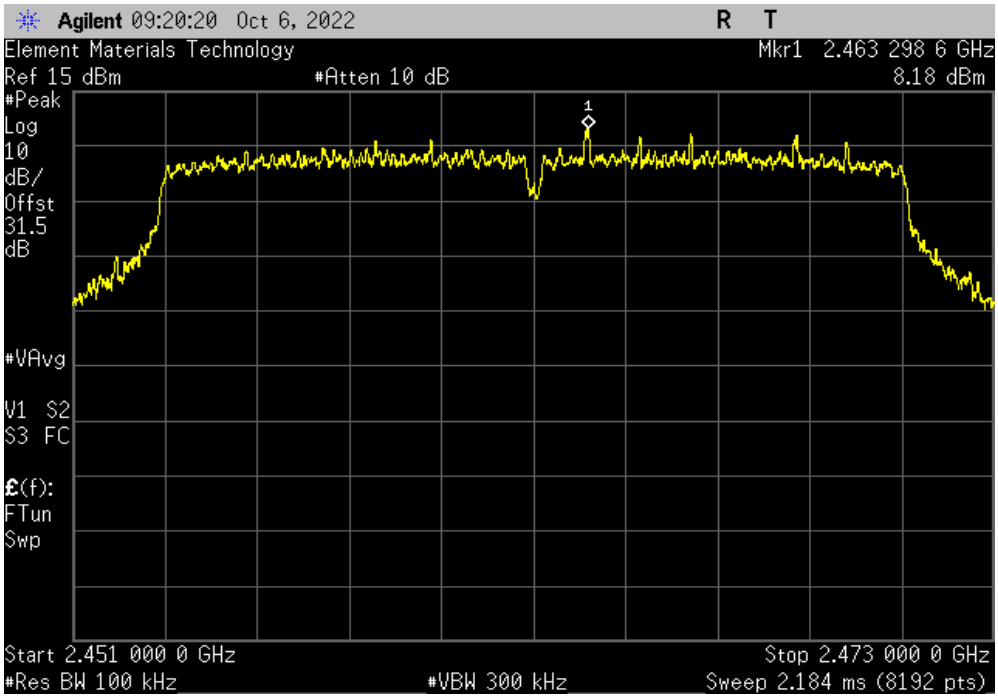


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

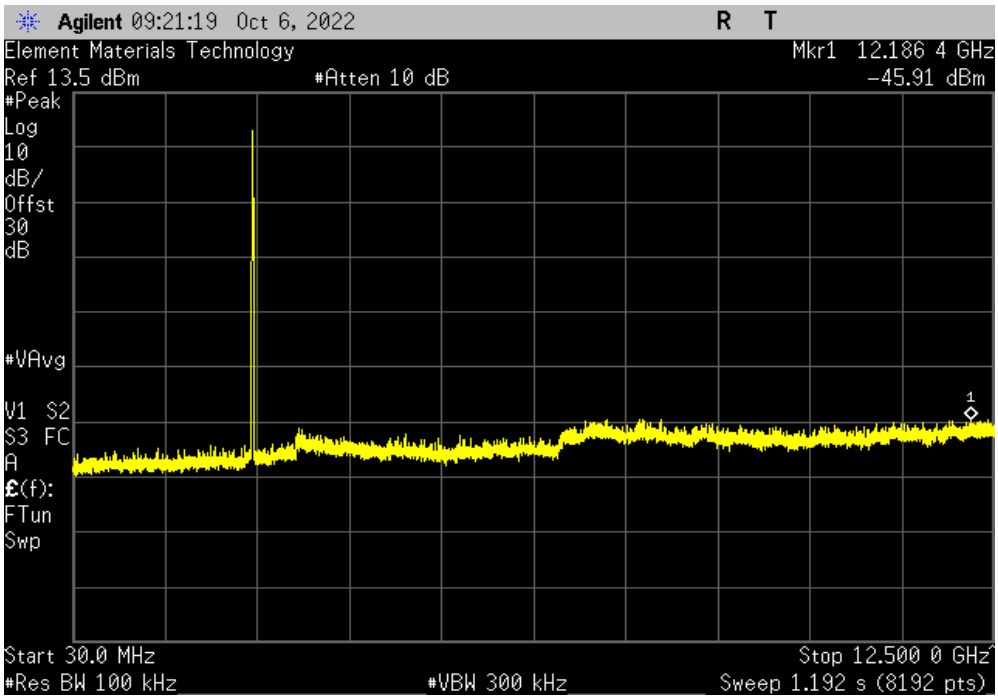
Chain 0, VHT20, MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24678	-46.94	-30	Pass



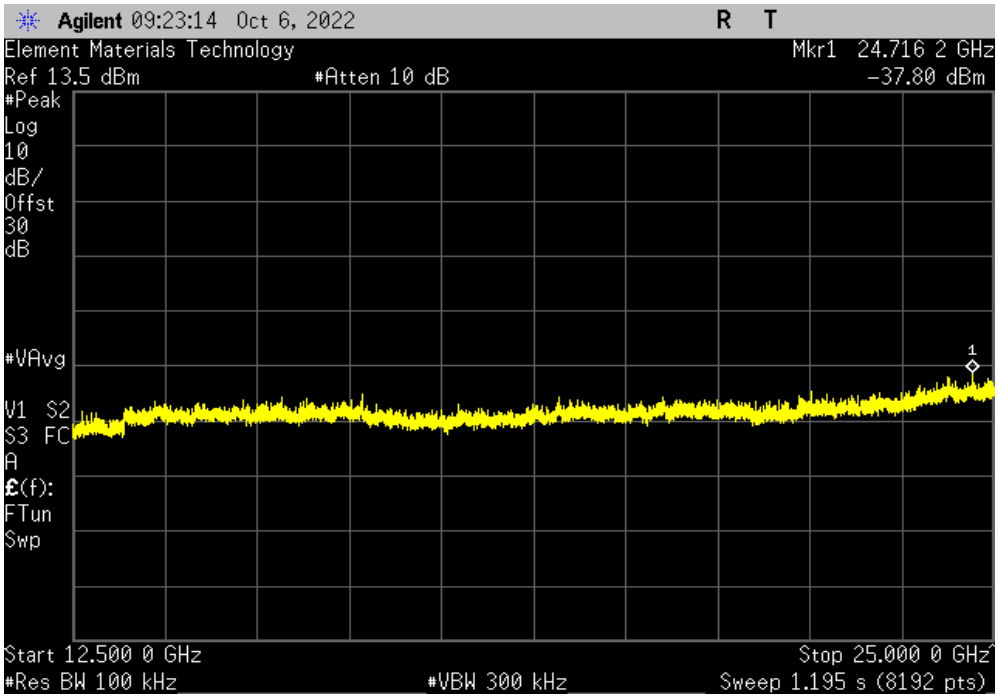
Chain 0, VHT20, MCS0, High Channel 11, 2462 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental	2463.3	N/A	N/A	N/A



Chain 0, VHT20, MCS0, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12186.4	-54.09	-30	Pass

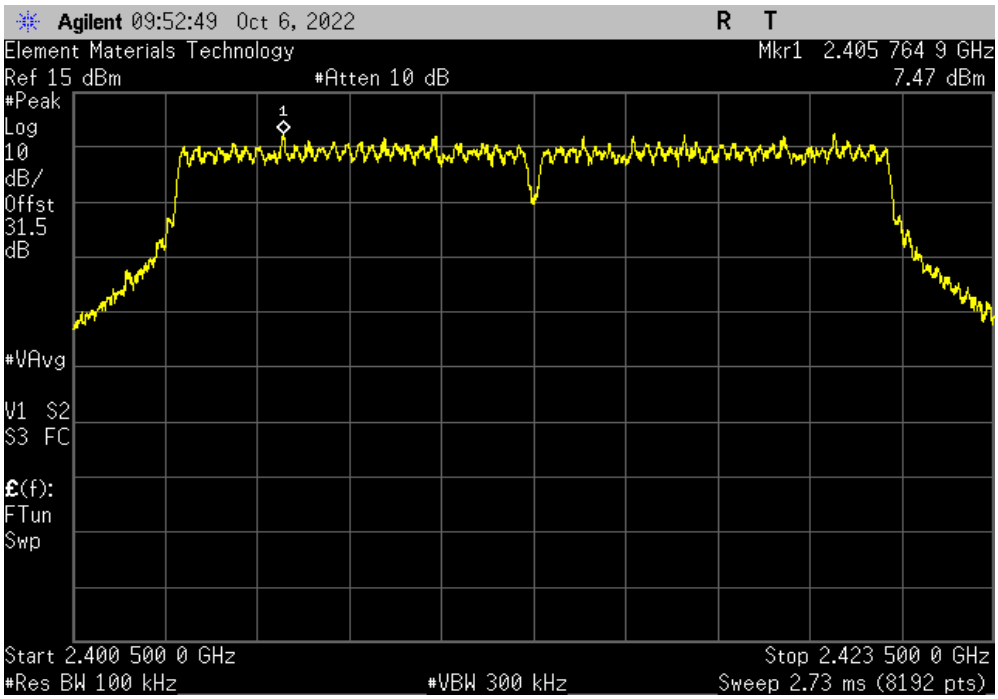


Chain 0, VHT20, MCS0, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24716.2	-45.98	-30	Pass

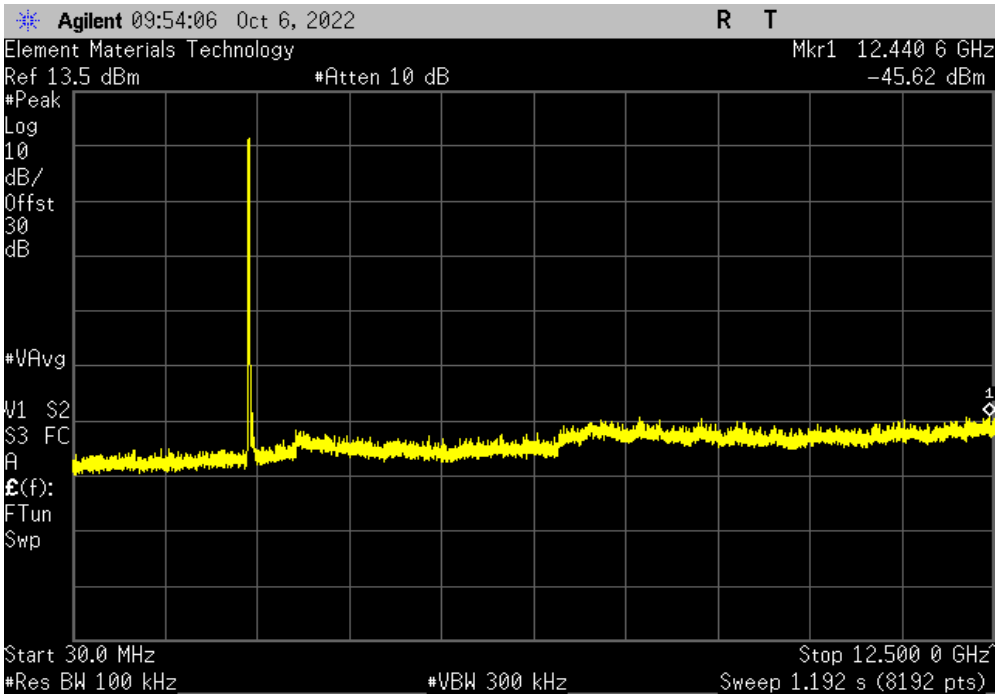


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, VHT20, MCS8, Low Channel 1, 2412 MHz						
	Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental		2405.76	N/A	N/A	N/A

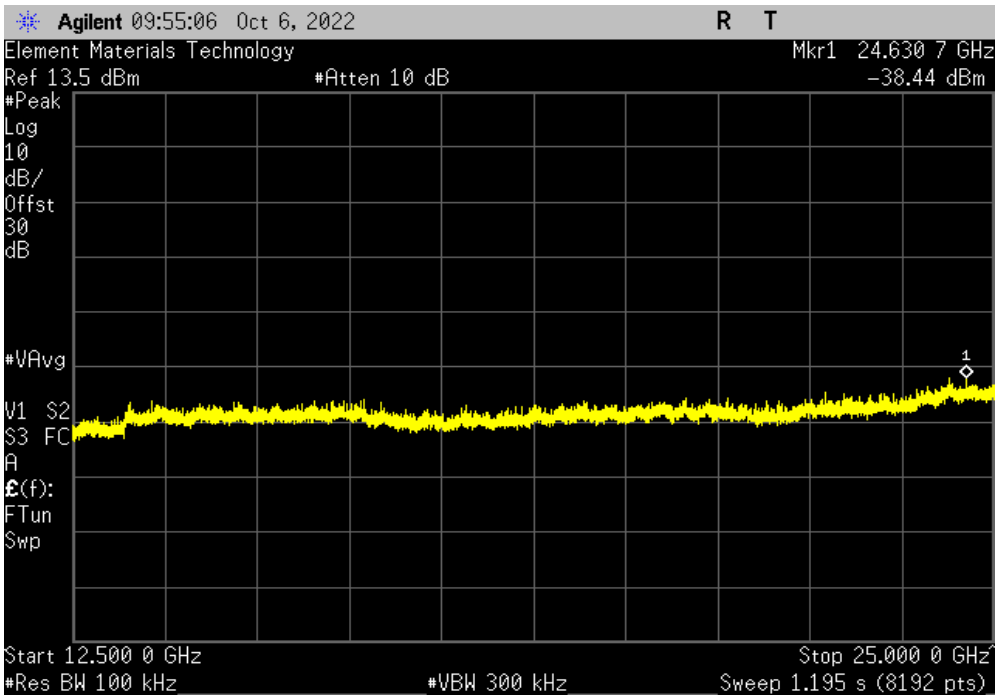


Chain 0, VHT20, MCS8, Low Channel 1, 2412 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12440.6	-53.09	-30	Pass

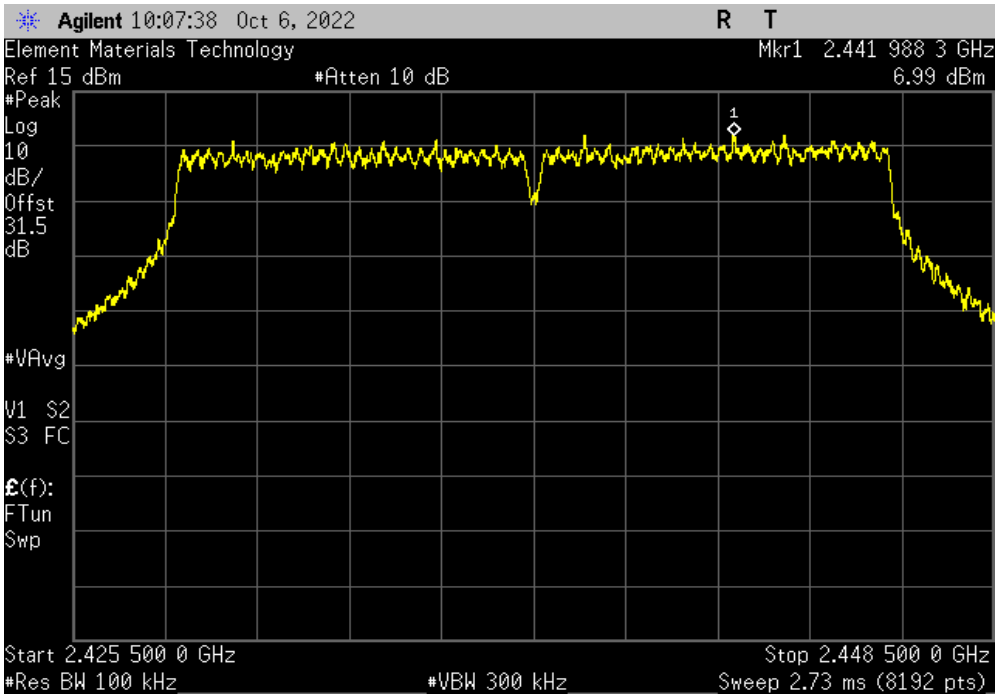


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, VHT20, MCS8, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24630.7	-45.91	-30	Pass

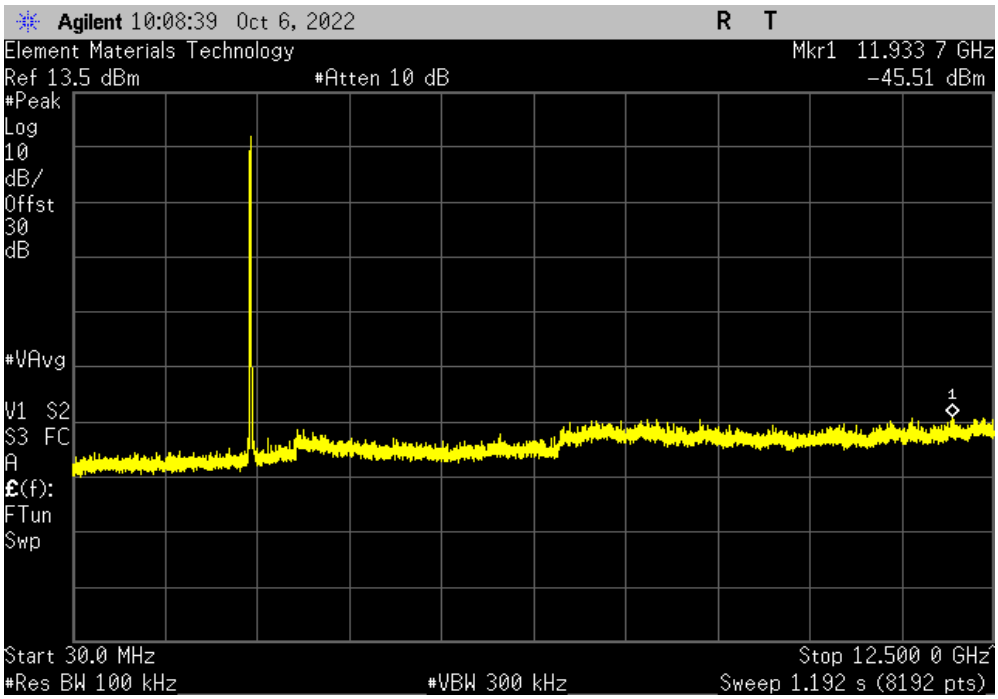


Chain 0, VHT20, MCS8, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2441.99	N/A	N/A	N/A

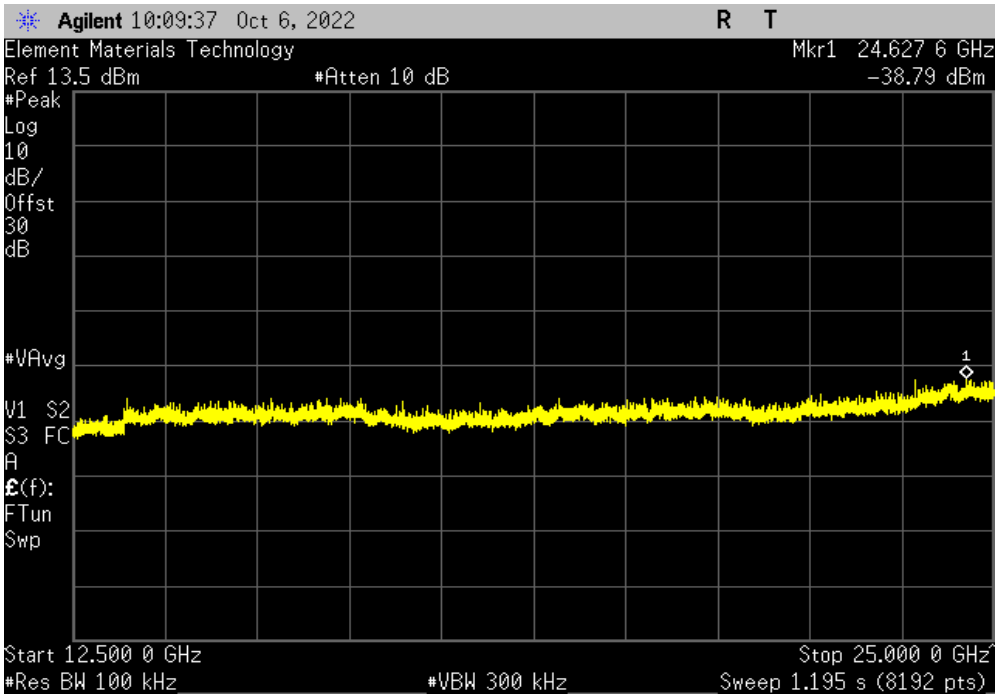


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, VHT20, MCS8, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	11933.7	-52.5	-30	Pass

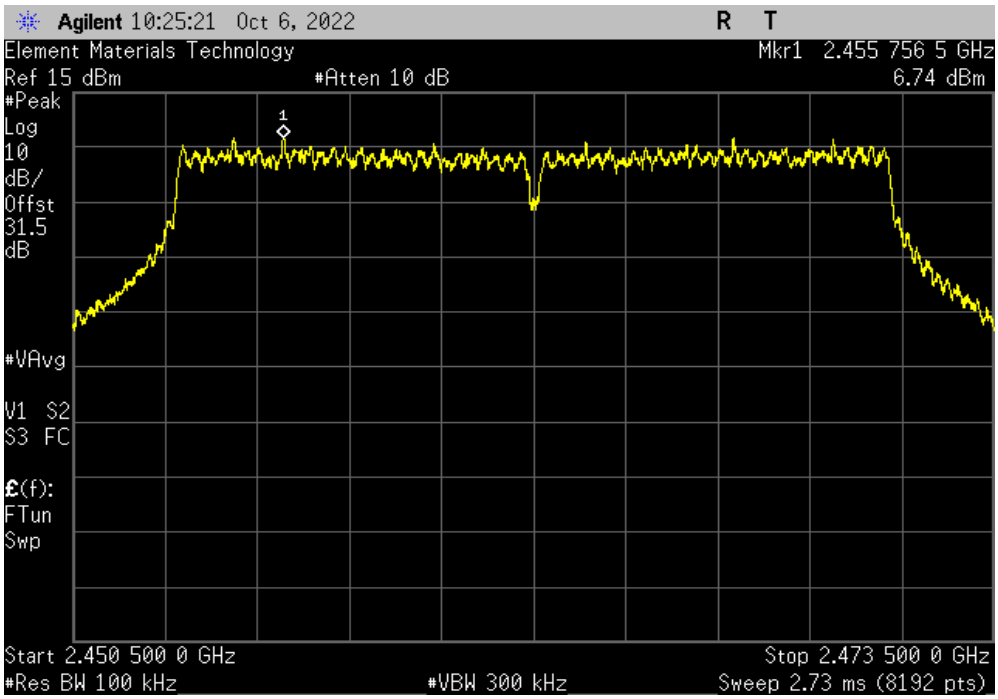


Chain 0, VHT20, MCS8, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24627.6	-45.78	-30	Pass

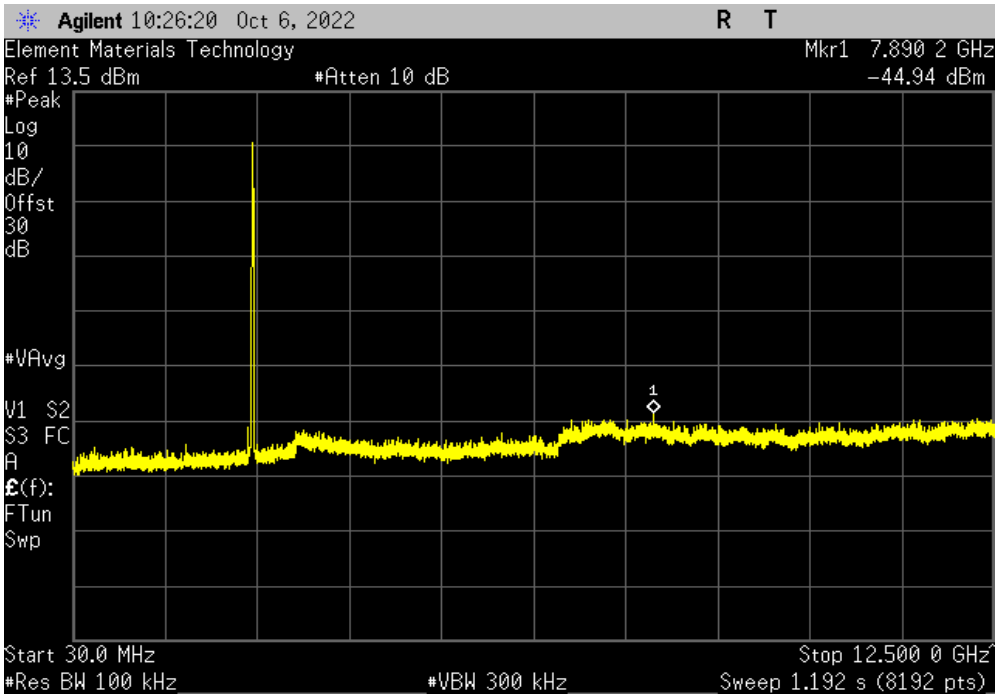


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, VHT20, MCS8, High Channel 11, 2462 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2455.76	N/A	N/A	N/A

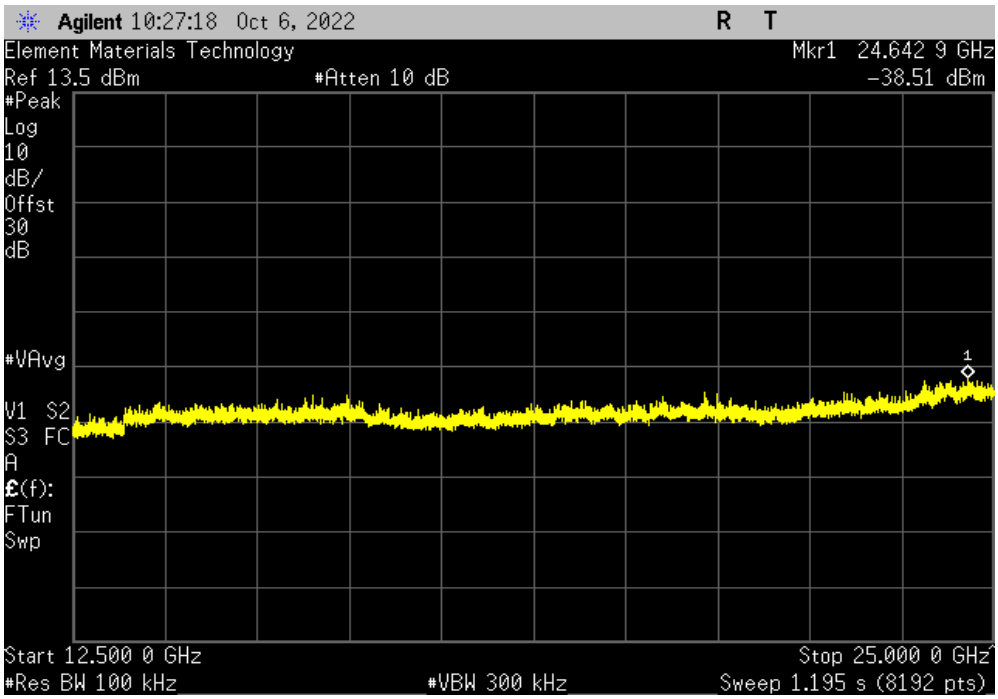


Chain 0, VHT20, MCS8, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	7890.2	-51.68	-30	Pass

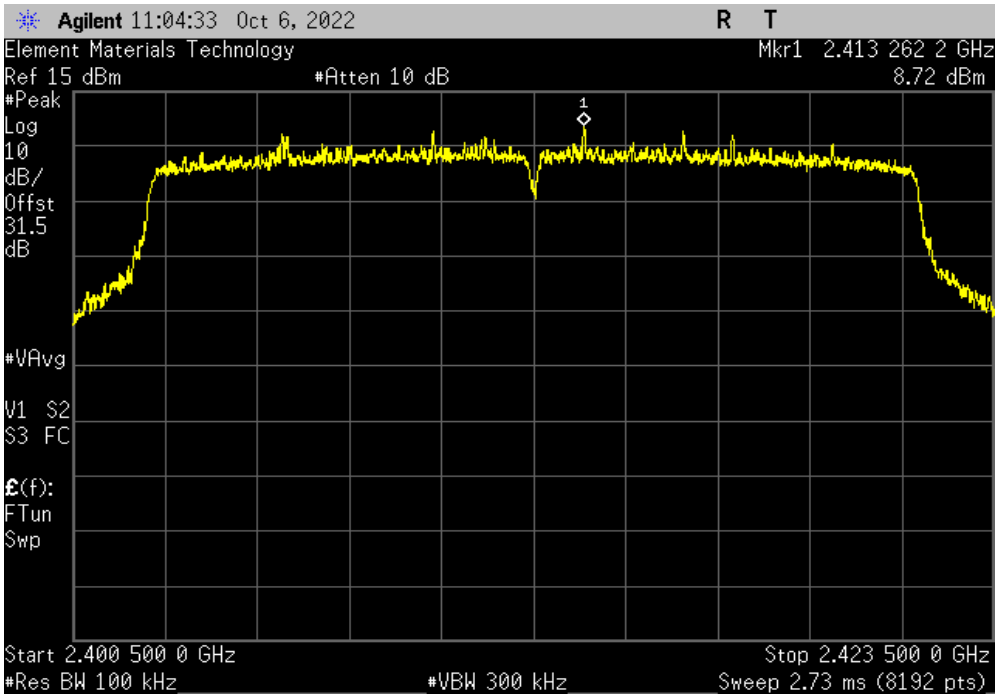


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, VHT20, MCS8, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24642.9	-45.25	-30	Pass

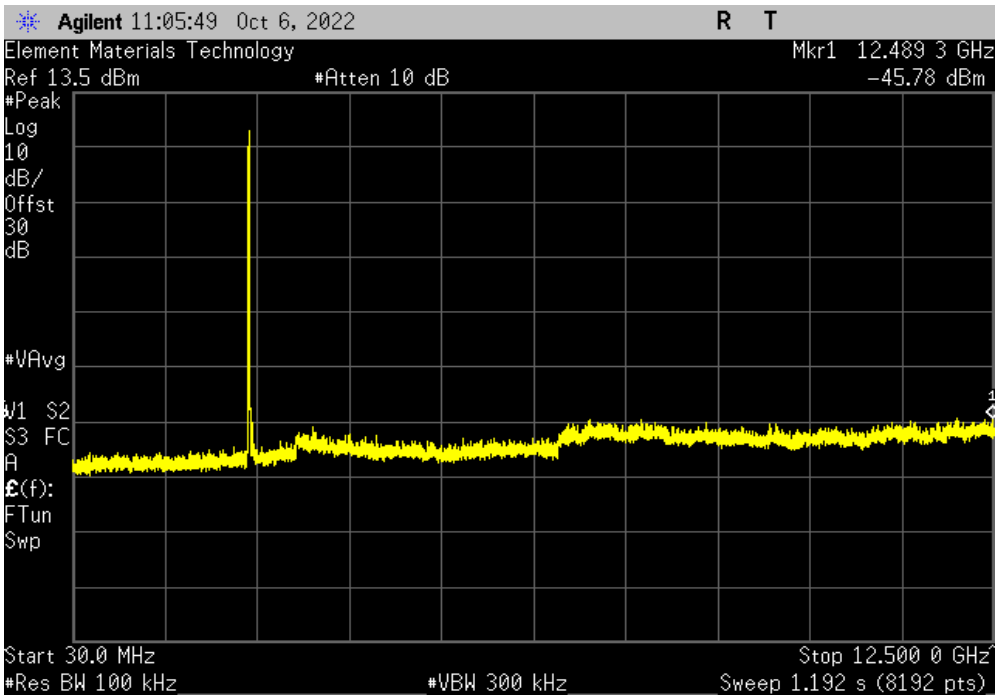


Chain 0, HE20, MCS0, Low Channel 1, 2412 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2413.26	N/A	N/A	N/A

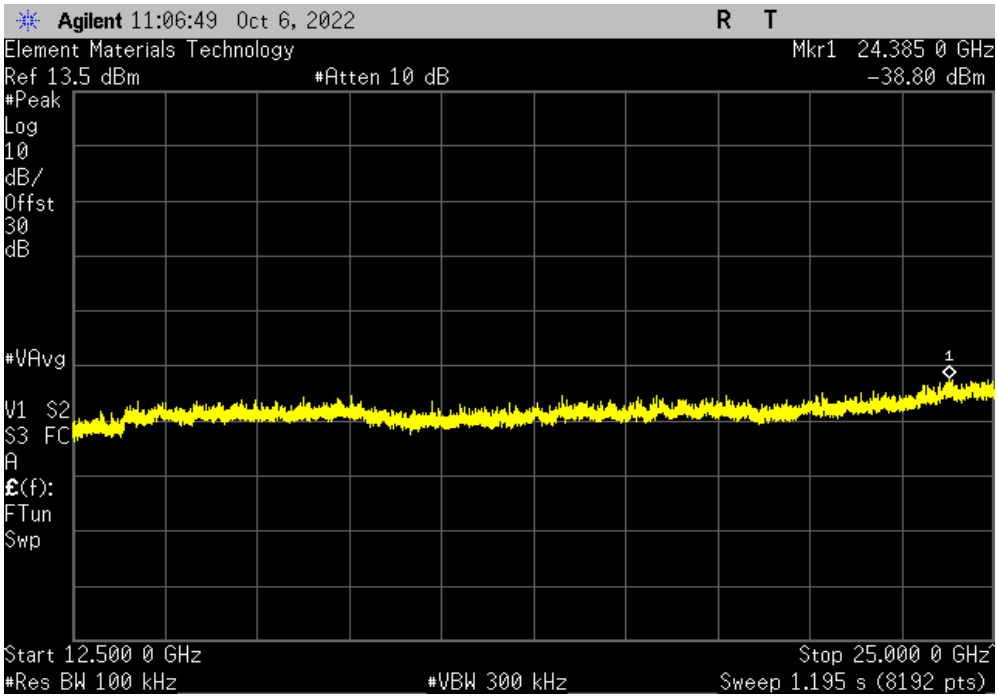


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, HE20, MCS0, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12489.3	-54.5	-30	Pass

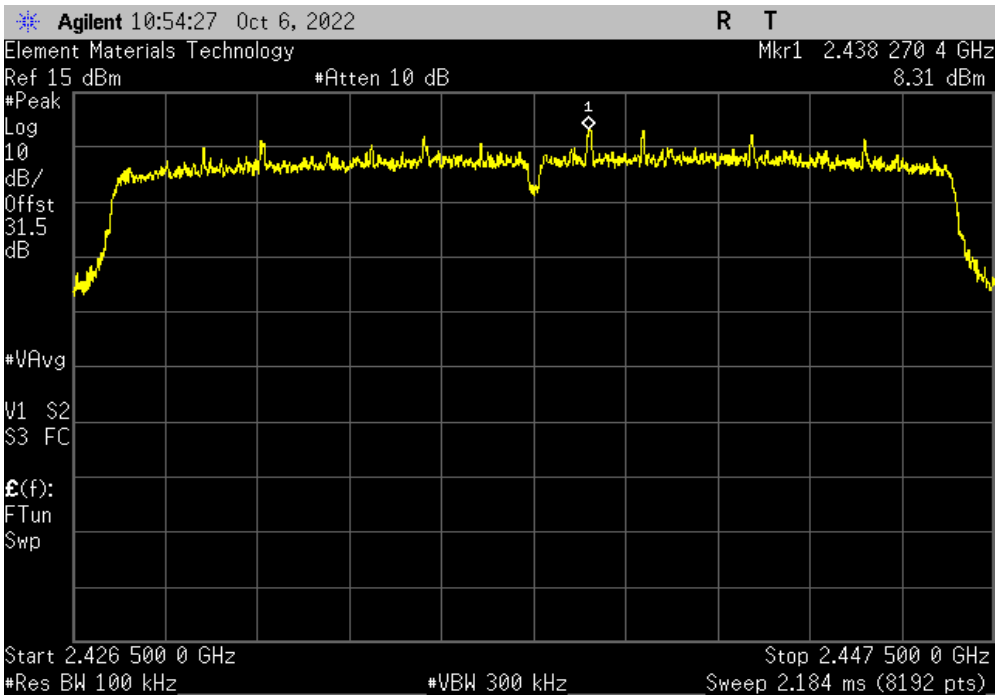


Chain 0, HE20, MCS0, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24385	-47.52	-30	Pass

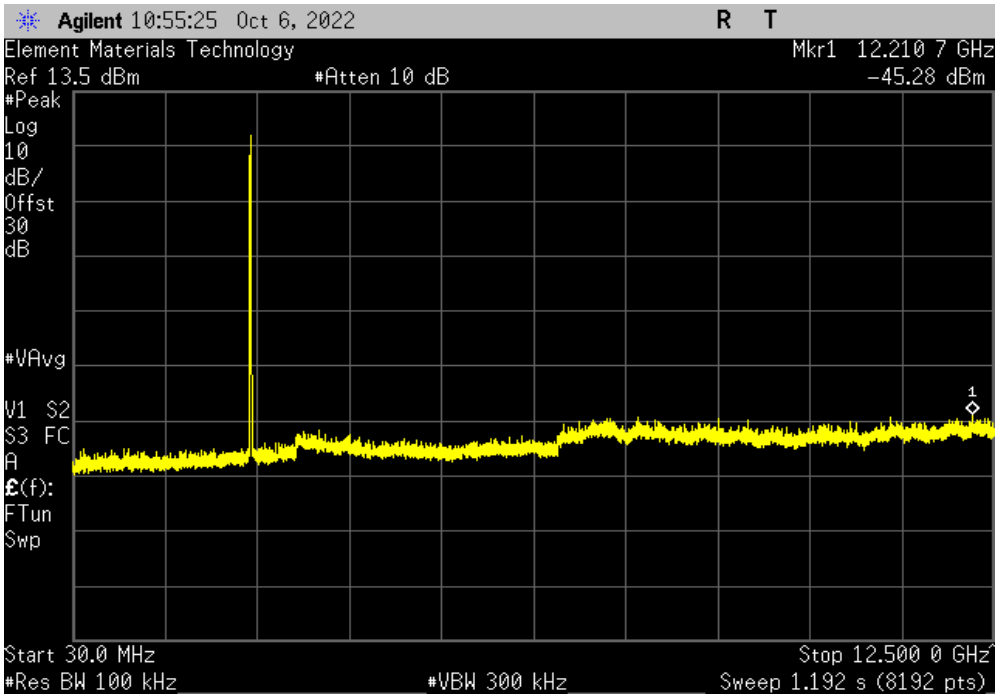


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

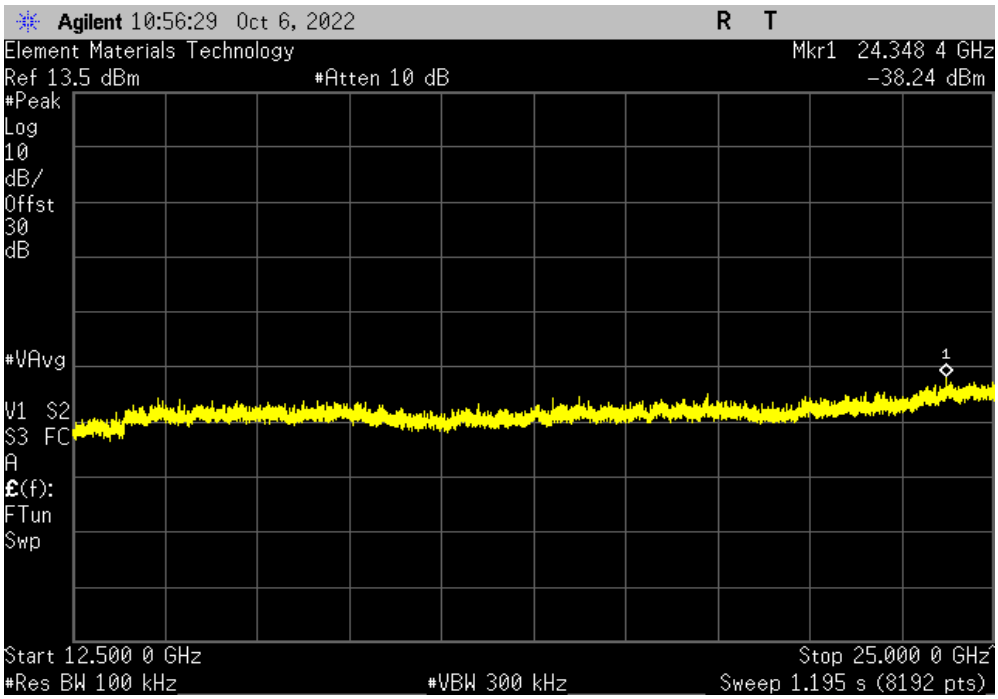
Chain 0, HE20, MCS0, Mid Channel 6, 2437 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result	
Fundamental	2438.27	N/A	N/A	N/A	



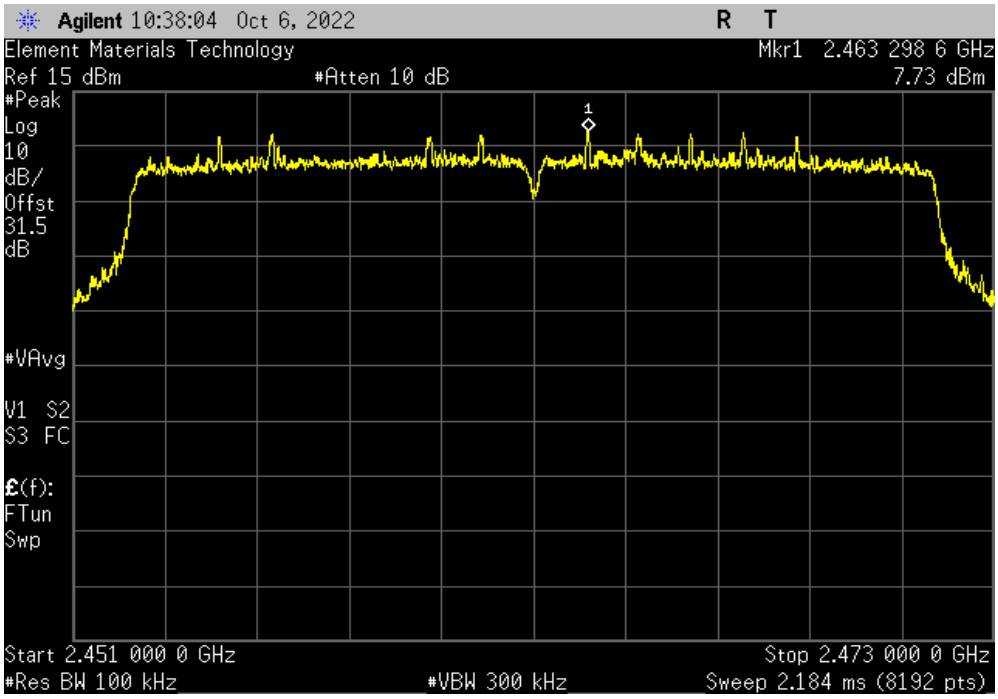
Chain 0, HE20, MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12210.7	-53.6	-30	Pass



Chain 0, HE20, MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24348.4	-46.55	-30	Pass

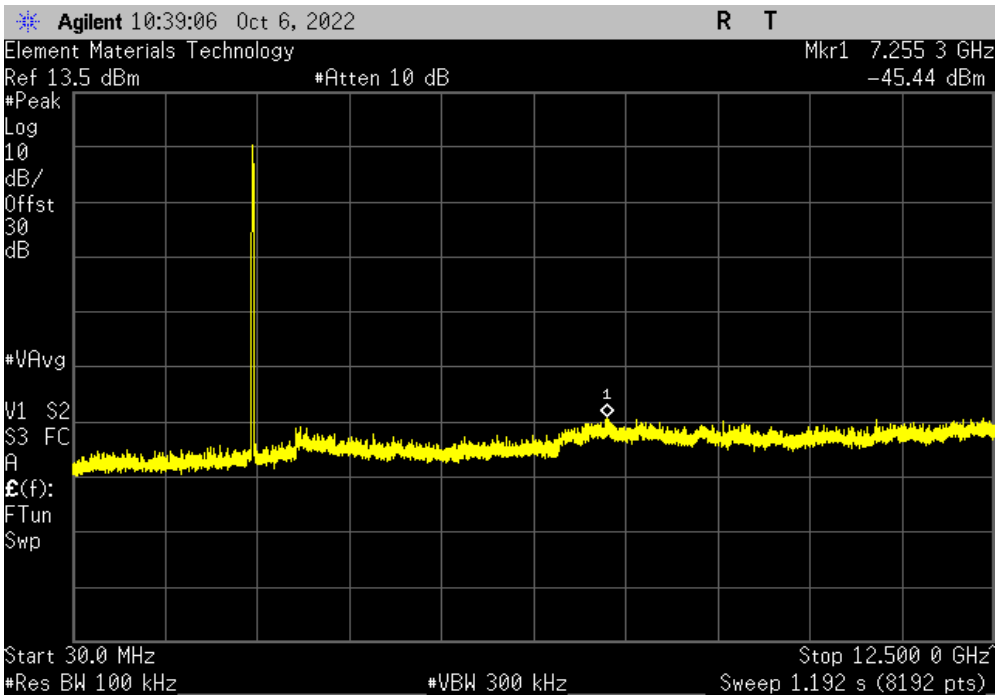


Chain 0, HE20, MCS0, High Channel 11, 2462 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2463.3	N/A	N/A	N/A

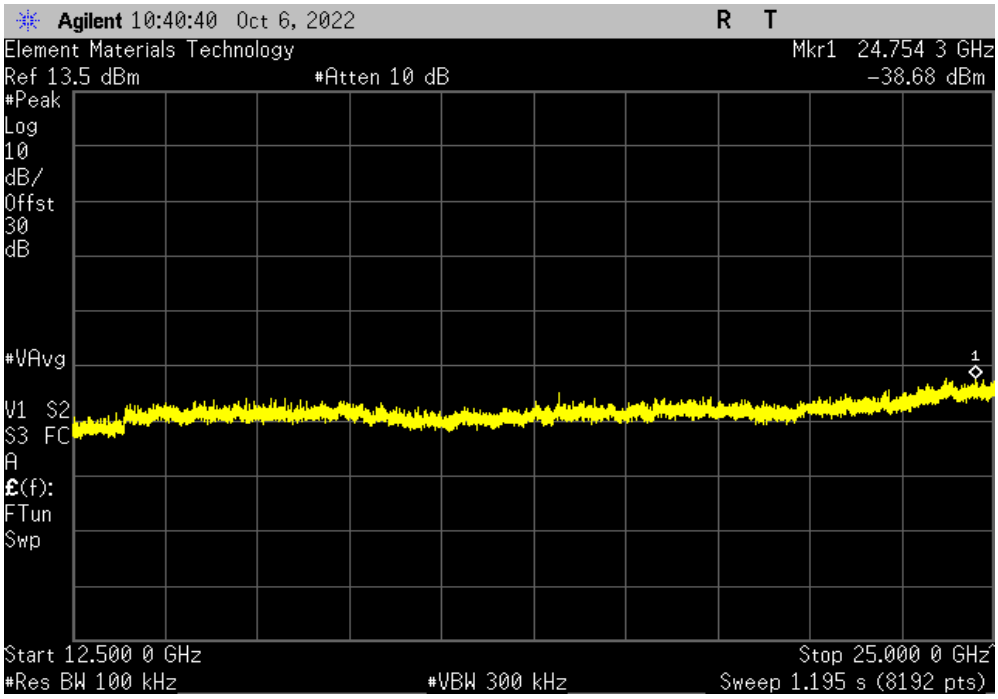


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

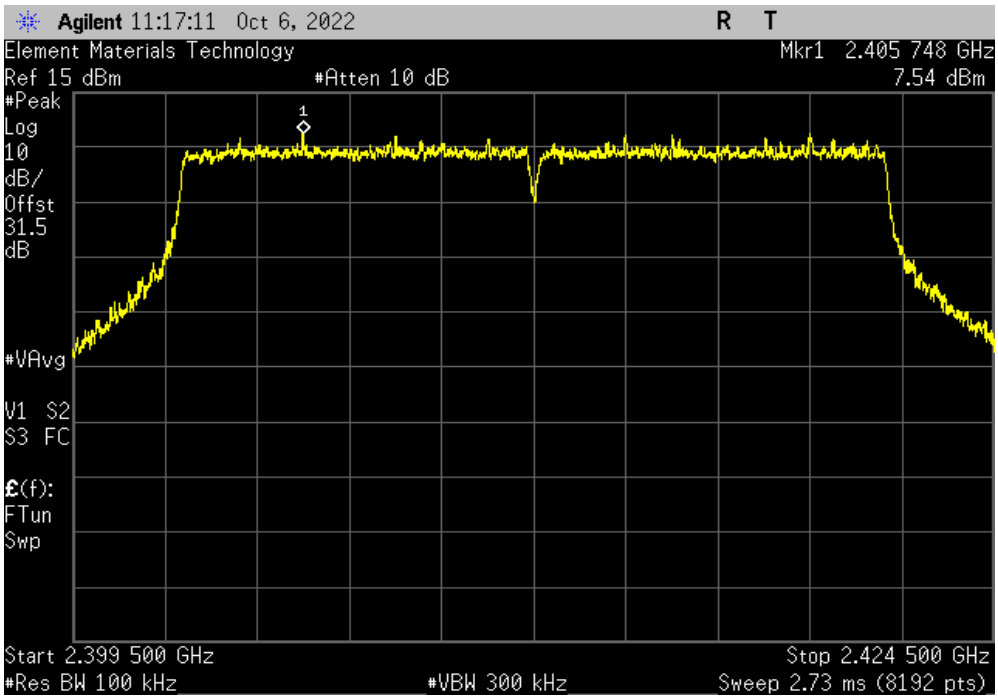
Chain 0, HE20, MCS0, High Channel 11, 2462 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz	7255.3	-53.18	-30	Pass



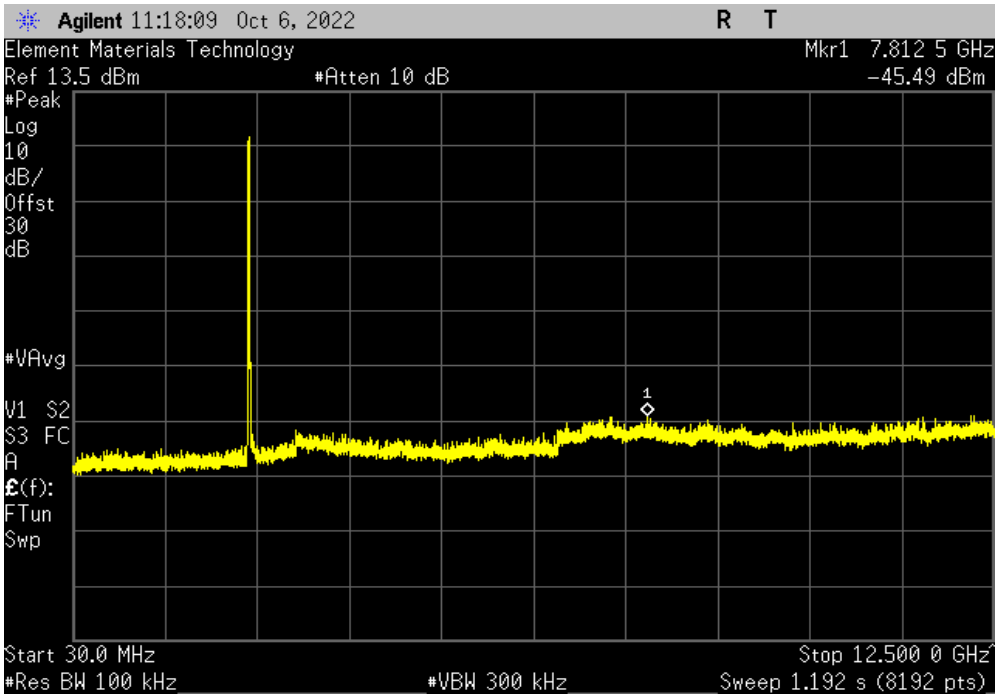
Chain 0, HE20, MCS0, High Channel 11, 2462 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz	24754.3	-46.41	-30	Pass



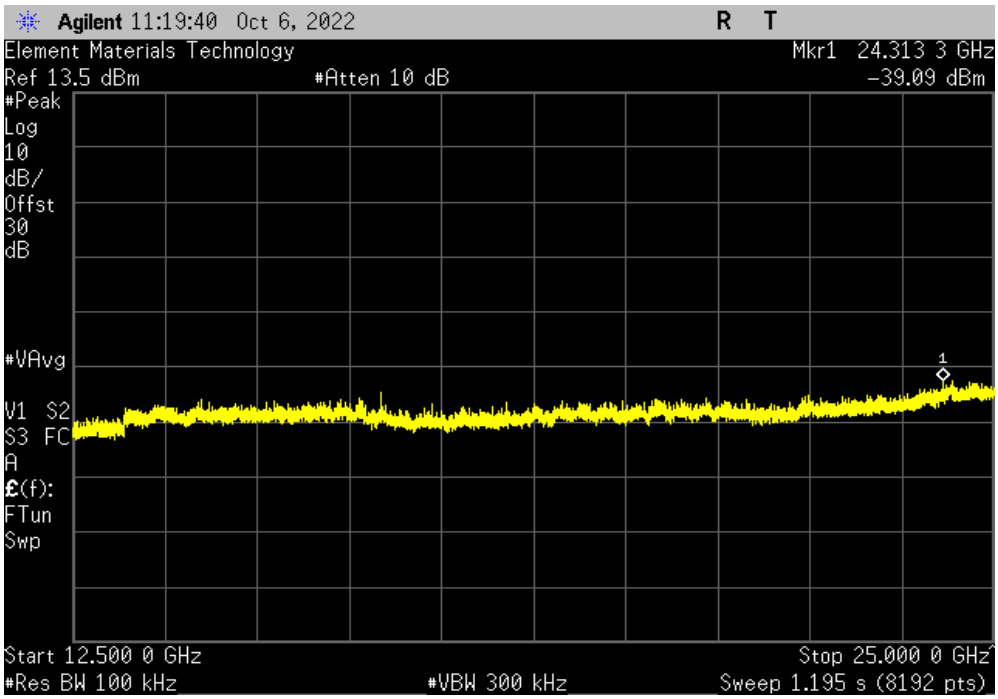
Chain 0, HE20, MCS11, Low Channel 1, 2412 MHz						
	Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
	Fundamental		2405.75	N/A	N/A	N/A



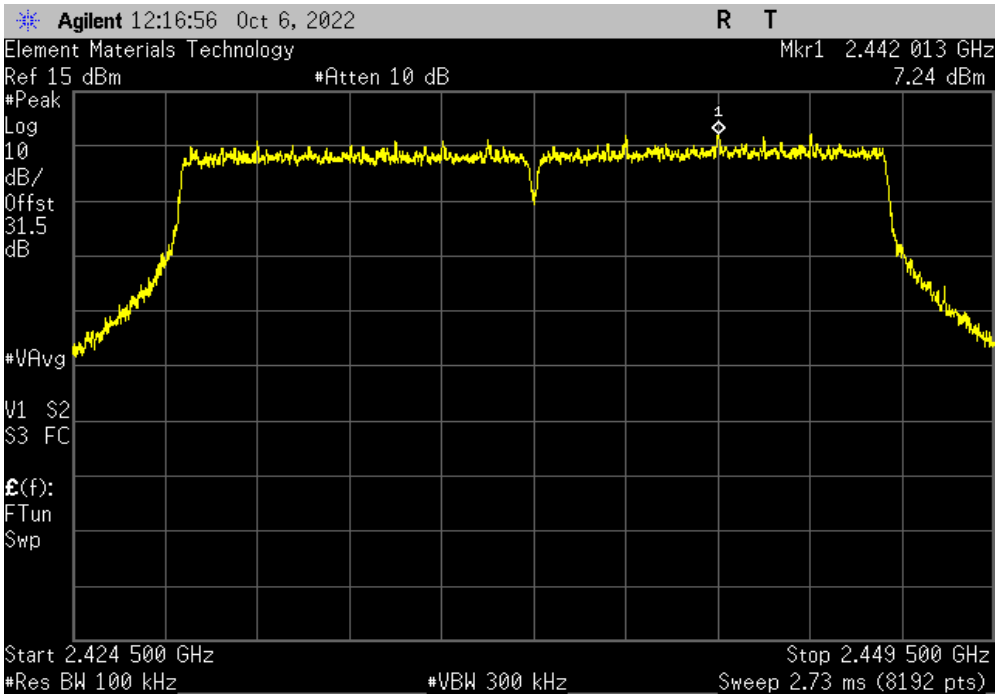
Chain 0, HE20, MCS11, Low Channel 1, 2412 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	7812.5	-53.03	-30	Pass



Chain 0, HE20, MCS11, Low Channel 1, 2412 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
12.5 GHz - 25 GHz	24313.3	-46.63	-30	Pass

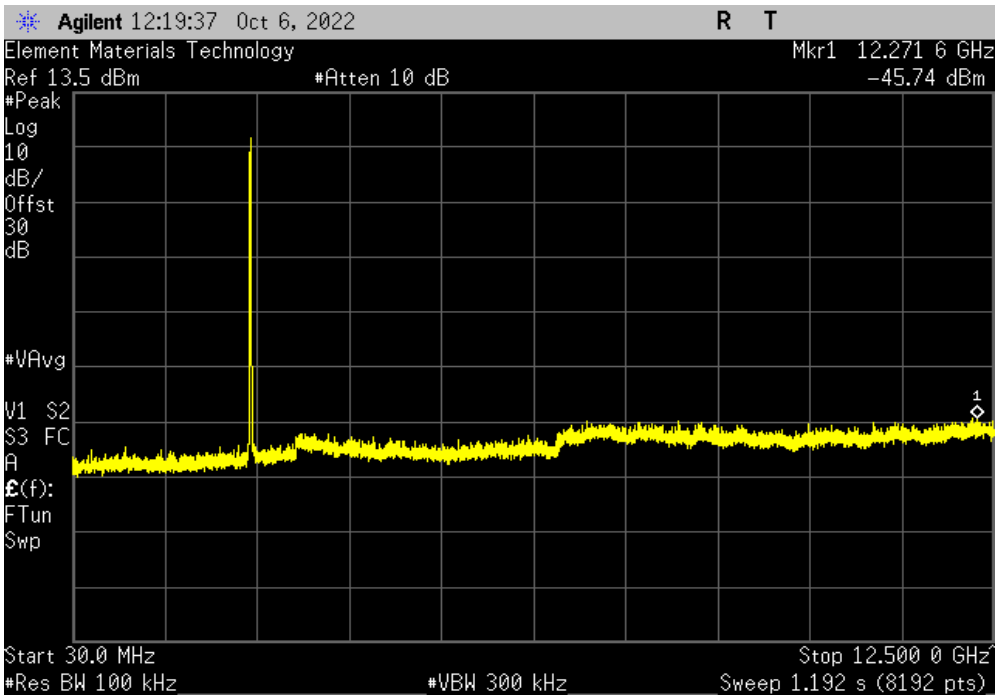


Chain 0, HE20, MCS11, Mid Channel 6, 2437 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2442.01	N/A	N/A	N/A

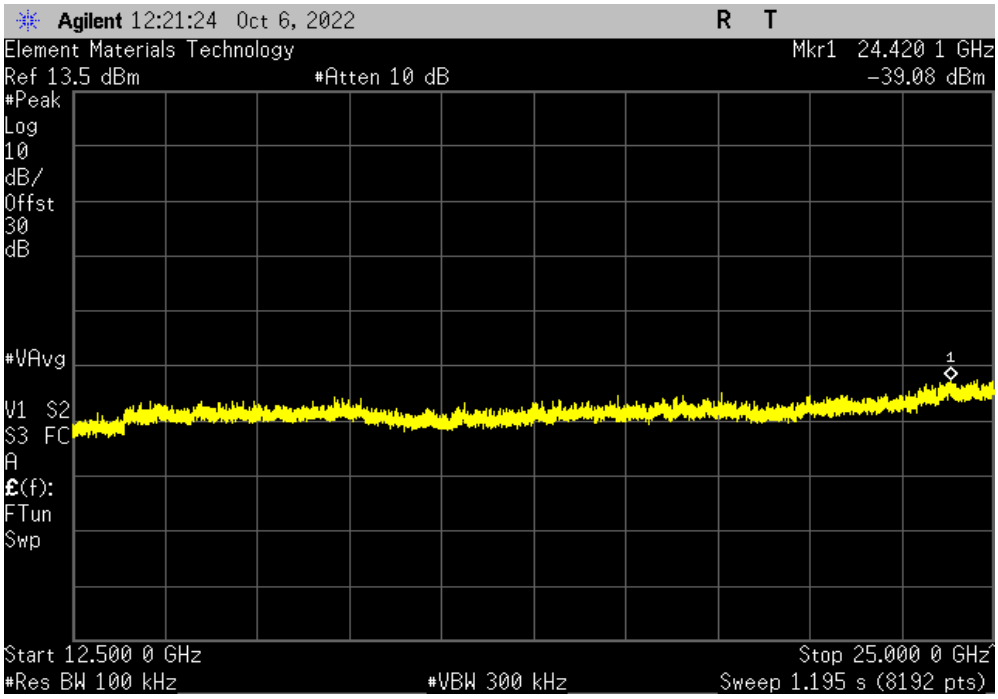


SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

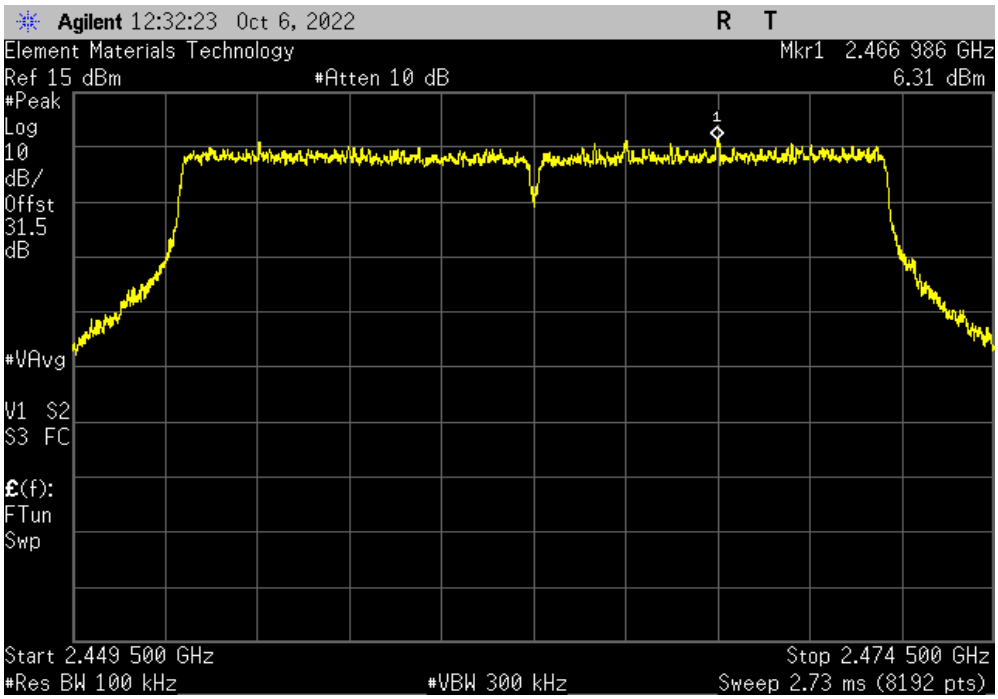
Chain 0, HE20, MCS11, Mid Channel 6, 2437 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
30 MHz - 12.5 GHz	12271.6	-52.98	-30	Pass



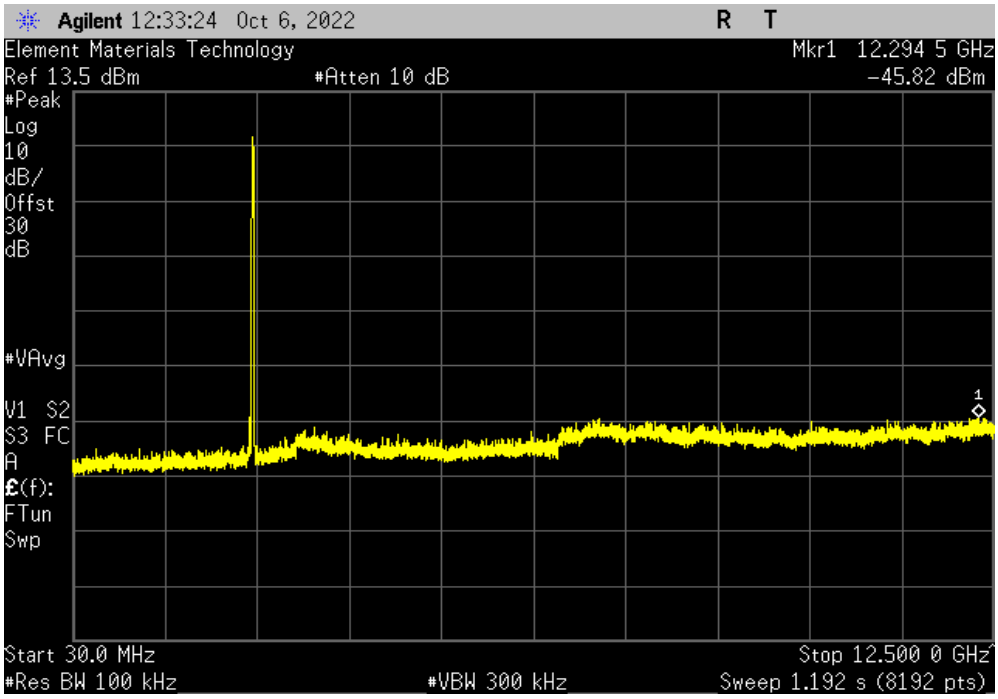
Chain 0, HE20, MCS11, Mid Channel 6, 2437 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz	24420.1	-46.32	-30	Pass



Chain 0, HE20, MCS11, High Channel 11, 2462 MHz					
Frequency Range		Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
Fundamental		2466.99	N/A	N/A	N/A



Chain 0, HE20, MCS11, High Channel 11, 2462 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBc)	Limit ≤ (dBc)	Result
30 MHz - 12.5 GHz	12294.5	-52.13	-30	Pass



SPURIOUS CONDUCTED EMISSIONS - CHAIN 0

Chain 0, HE20, MCS11, High Channel 11, 2462 MHz				
Frequency Range	**Measured Freq (MHz)**	**Max Value (dBc)**	**Limit ≤ (dBc)**	**Result**
12.5 GHz - 25 GHz	24740.6	-45.07	-30	Pass