

SPURIOUS CONDUCTED EMISSIONS



XMR 2017.12.13

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	E4422B	TGQ	15-Mar-18	15-Mar-21
Block - DC	Fairview Microwave	SD3379	AMI	12-Sep-17	12-Sep-18
Attenuator	S.M. Electronics	SA26B-20	RFW	13-Feb-18	13-Feb-19
Cable	ESM Cable Corp.	TTBJ141 KMKM-72	MNU	15-Mar-18	15-Mar-19
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFN	27-Apr-18	27-Apr-19

TEST DESCRIPTION

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

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TbTx 2017.12.14 XMI 2017.12.13

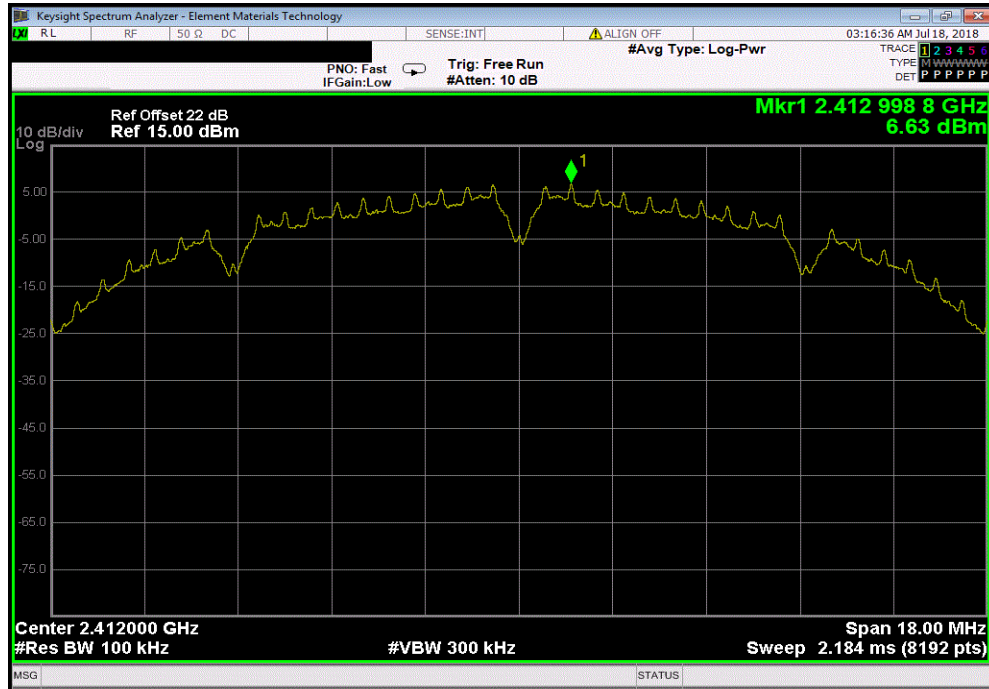
EUT: MyCareLink Relay Home Communicator 24960		Work Order: MDTR0649			
Serial Number: MEA9984DEM		Date: 17-Jul-18			
Customer: Medtronic, Inc.		Temperature: 21.3 °C			
Attendees: Taylor Dowden		Humidity: 48.2% RH			
Project: None		Barometric Pres.: 1024 mbar			
Tested by: Kyle McMullan		Power: 110VAC/60Hz			
Job Site: MN08					
TEST SPECIFICATIONS		Test Method			
FCC 15.247:2018		ANSI C63.10:2013			
COMMENTS					
None					
DEVIATIONS FROM TEST STANDARD					
None					
Configuration #	3	Signature <i>Kyle McMullan</i>			
	Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
2400 MHz - 2483.5 MHz Band					
802.11(b) 1 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-52.99	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-56.82	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-58.37	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-56.45	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-58.15	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-56.64	-30	Pass
802.11(b) 11 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-54.72	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-57.01	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-58.77	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-57.96	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-58.28	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-57.48	-30	Pass
802.11(g) 6 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-49.9	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-53.6	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-56.44	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-54.08	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-55.92	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-53.91	-30	Pass
802.11(g) 36 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-49.44	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-54.08	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-55.55	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-54.14	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-55.19	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-54.36	-30	Pass
802.11(g) 54 Mbps					
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-51.59	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-54.58	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-55.26	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-53.41	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-55.56	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-53.87	-30	Pass
802.11(n) MCS0					
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-49.19	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-53.24	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-55.32	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-53.24	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-54.8	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-52.84	-30	Pass
802.11(n) MCS7					
	Low Channel 1, 2412 MHz	Fundamental	N/A	N/A	
	Low Channel 1, 2412 MHz	30 MHz - 12.5 GHz	-50.51	-30	Pass
	Low Channel 1, 2412 MHz	12.5 GHz - 25 GHz	-52.93	-30	Pass
	Mid Channel 6, 2437 MHz	Fundamental	N/A	N/A	
	Mid Channel 6, 2437 MHz	30 MHz - 12.5 GHz	-54.85	-30	Pass
	Mid Channel 6, 2437 MHz	12.5 GHz - 25 GHz	-52.93	-30	Pass
	High Channel 11, 2462 MHz	Fundamental	N/A	N/A	
	High Channel 11, 2462 MHz	30 MHz - 12.5 GHz	-54.41	-30	Pass
	High Channel 11, 2462 MHz	12.5 GHz - 25 GHz	-52.65	-30	Pass

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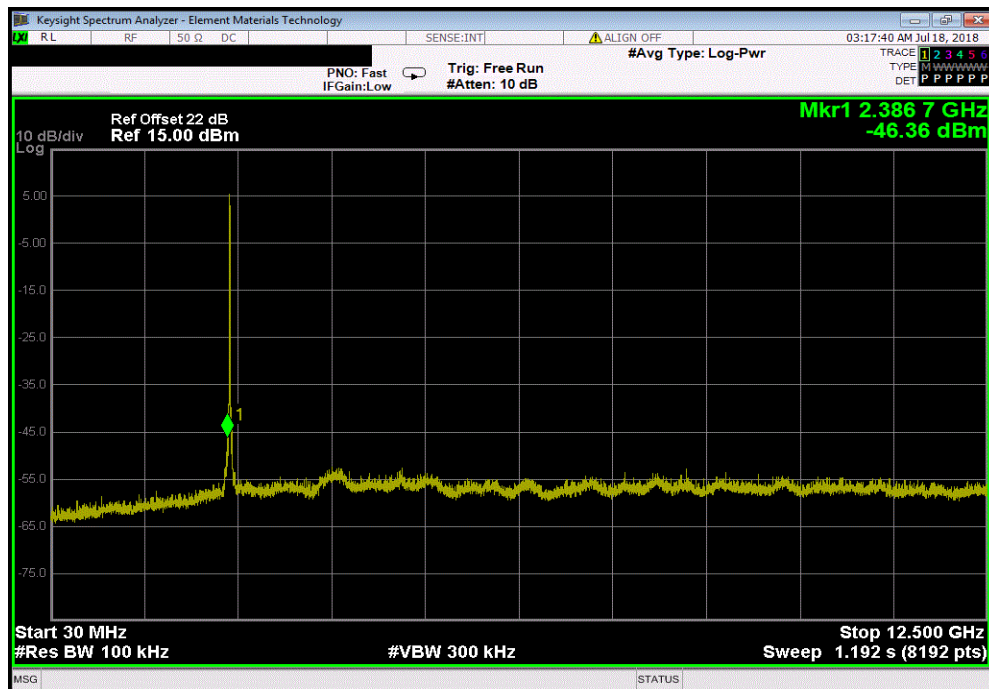


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2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental	N/A	N/A	N/A		



2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-52.99	-30	Pass		

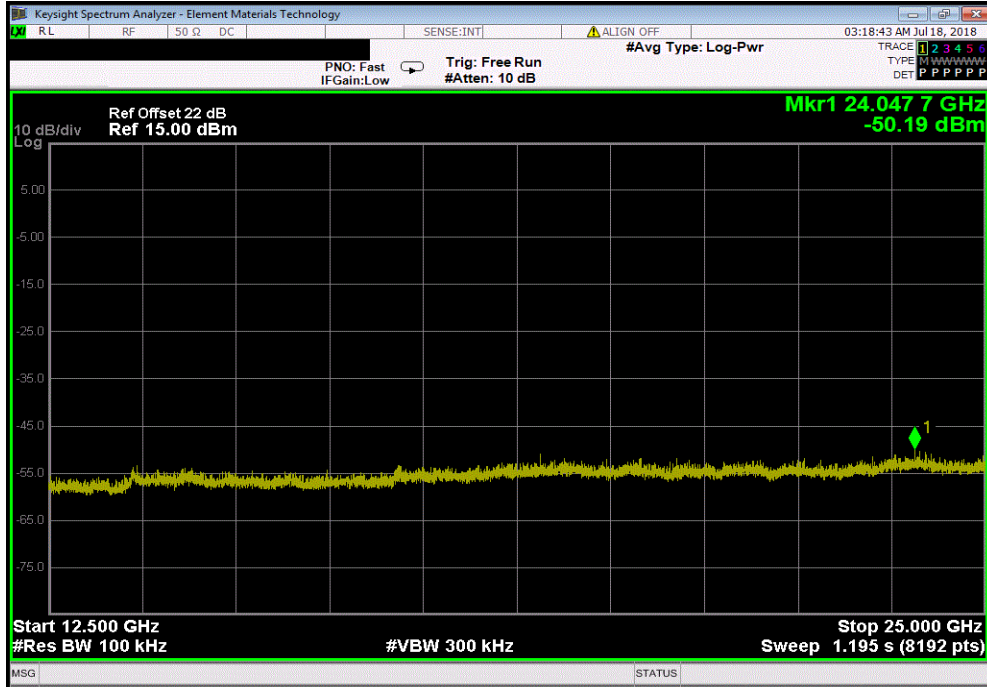


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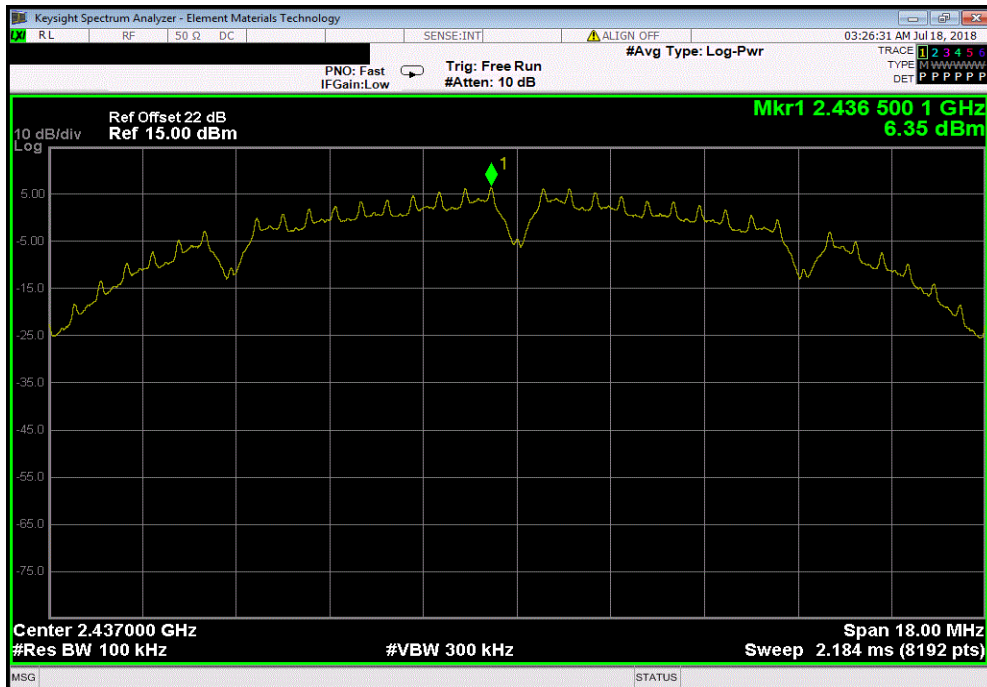


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2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-56.82	-30	Pass	



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

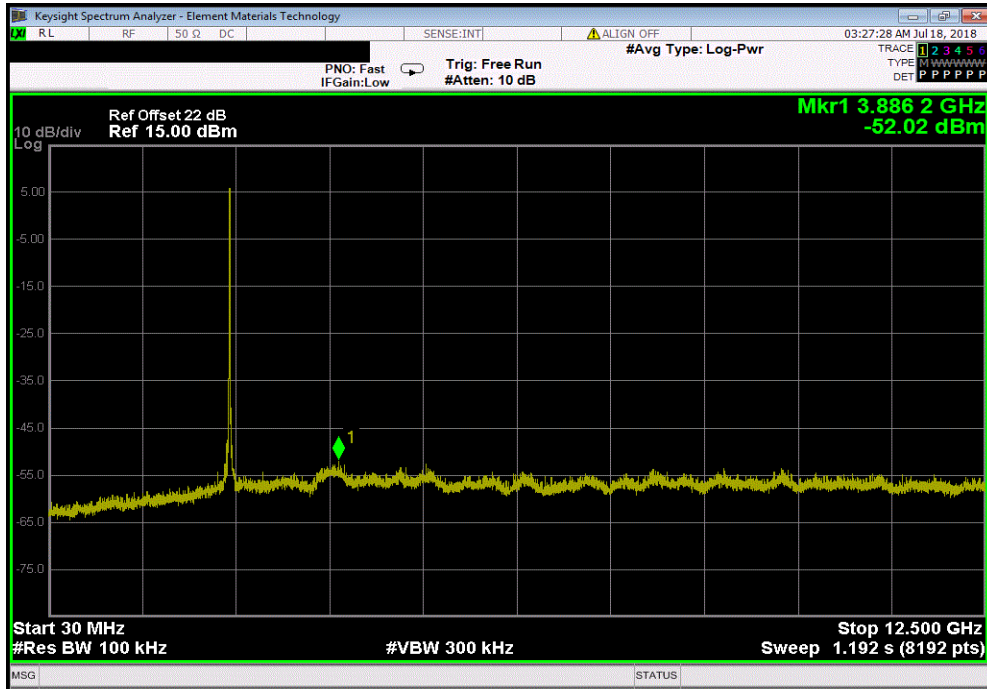


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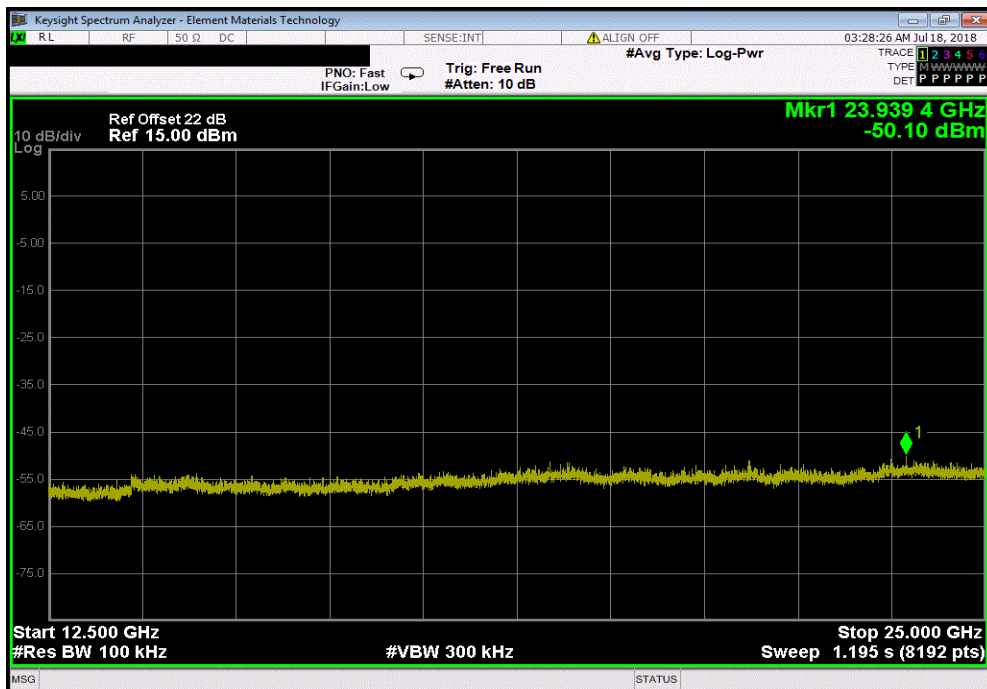


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2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-58.37	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-56.45	-30	Pass	

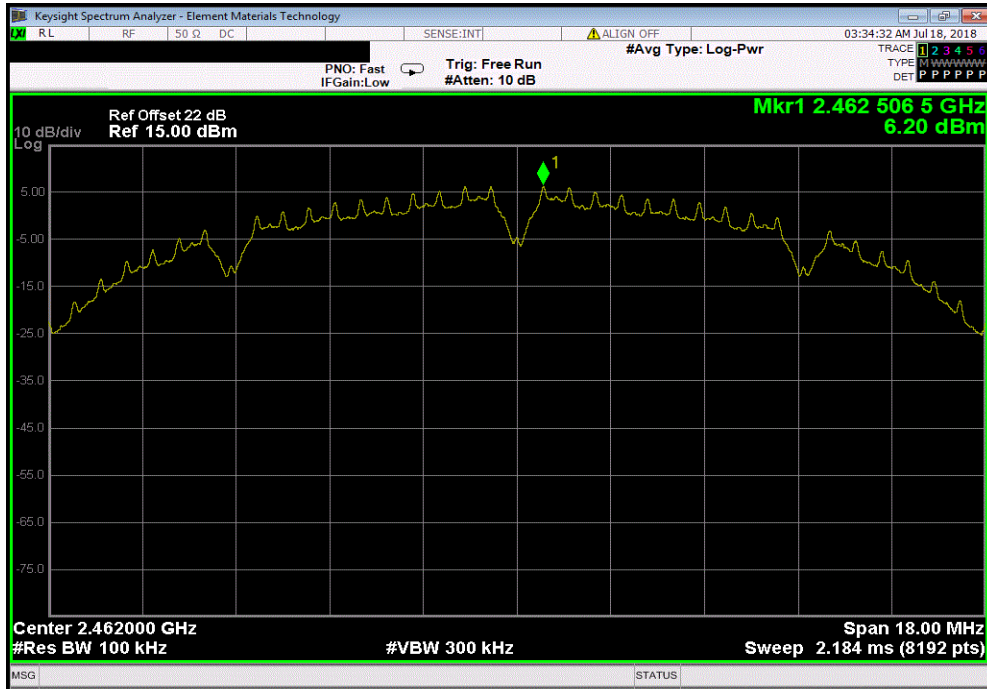


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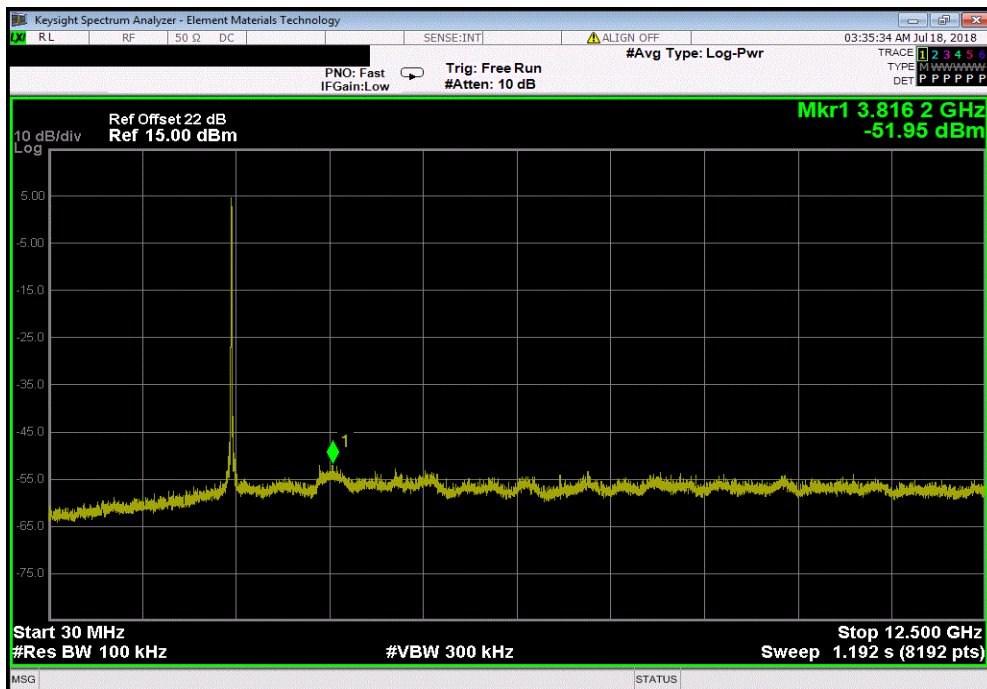


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2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental	N/A	N/A	N/A		



2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-58.15	-30	Pass		

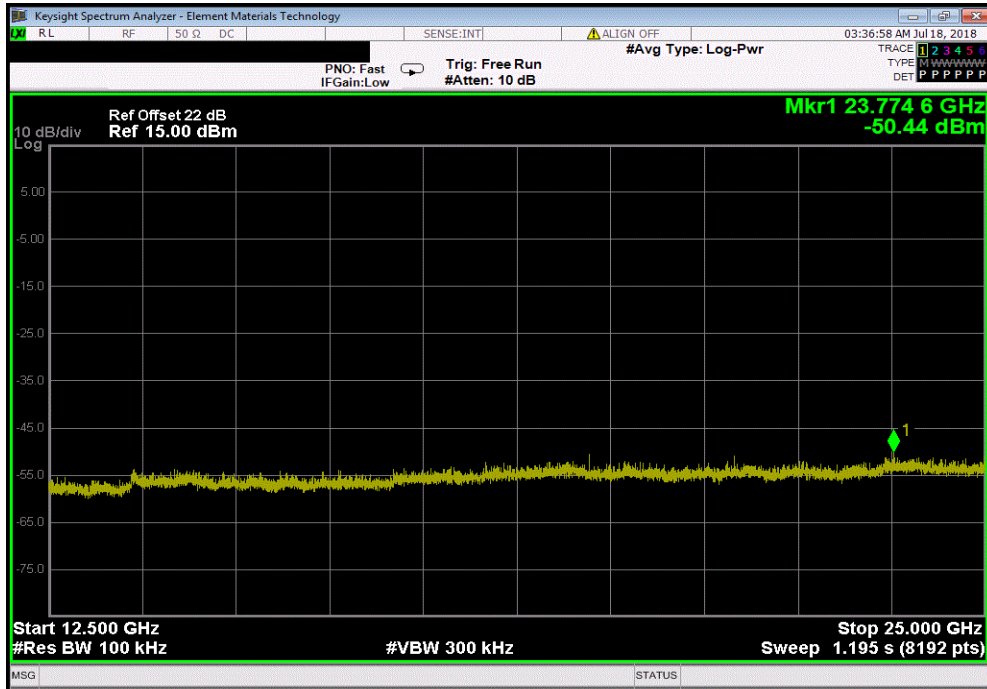


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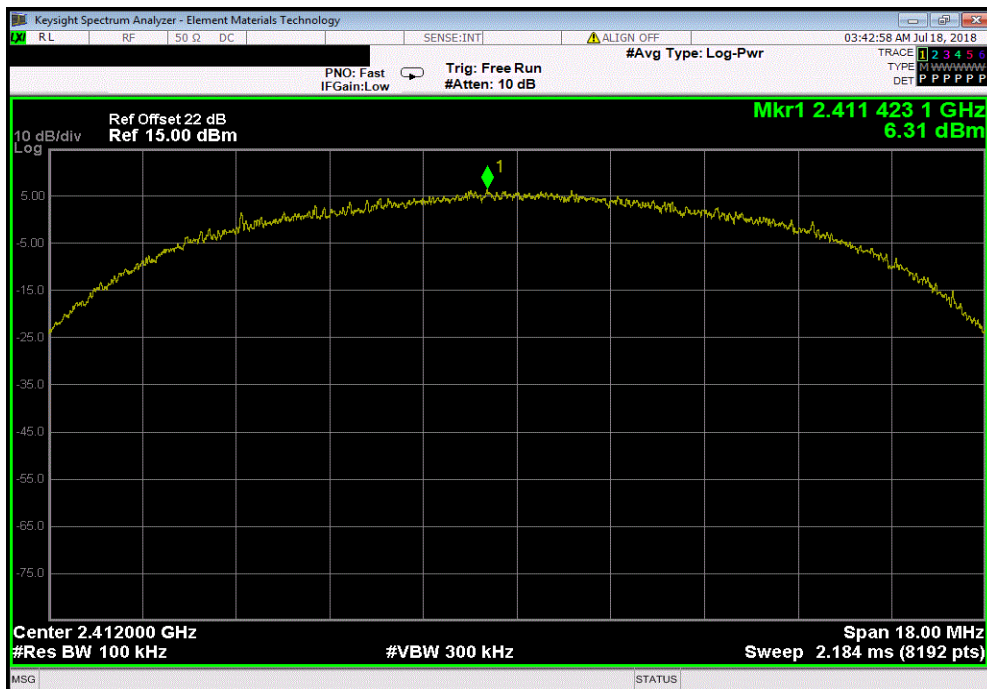


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2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-56.64	-30	Pass	



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

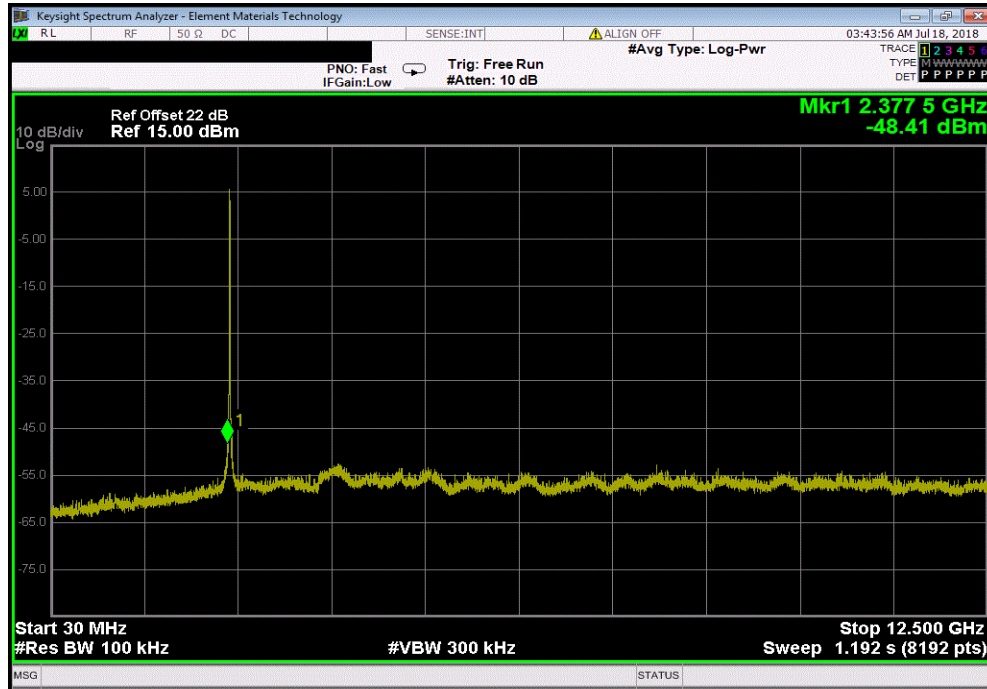


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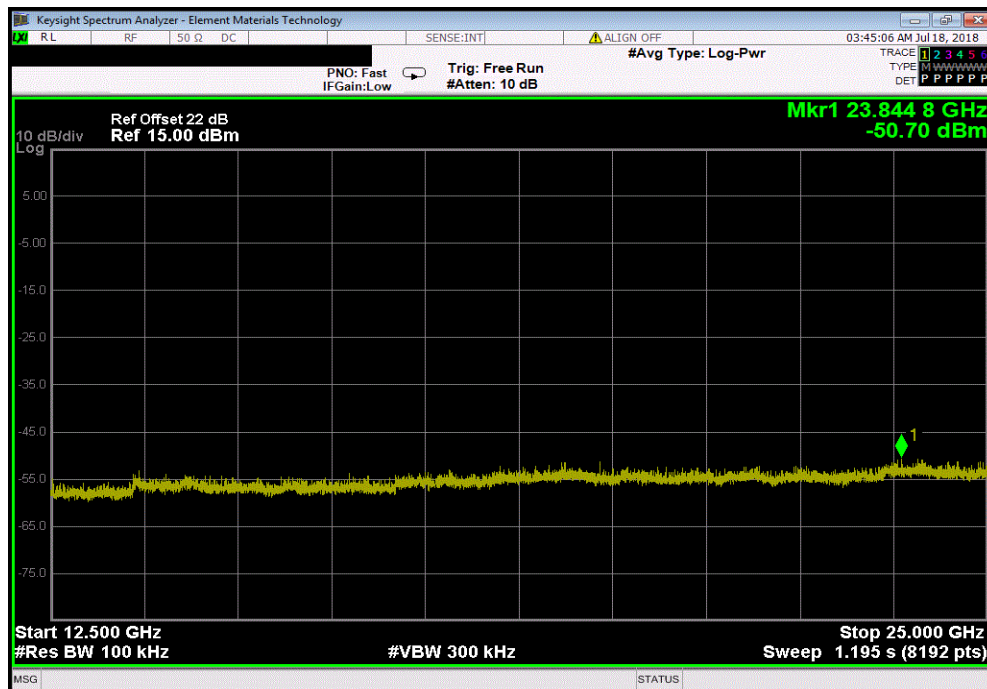


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2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-54.72	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-57.01	-30	Pass	

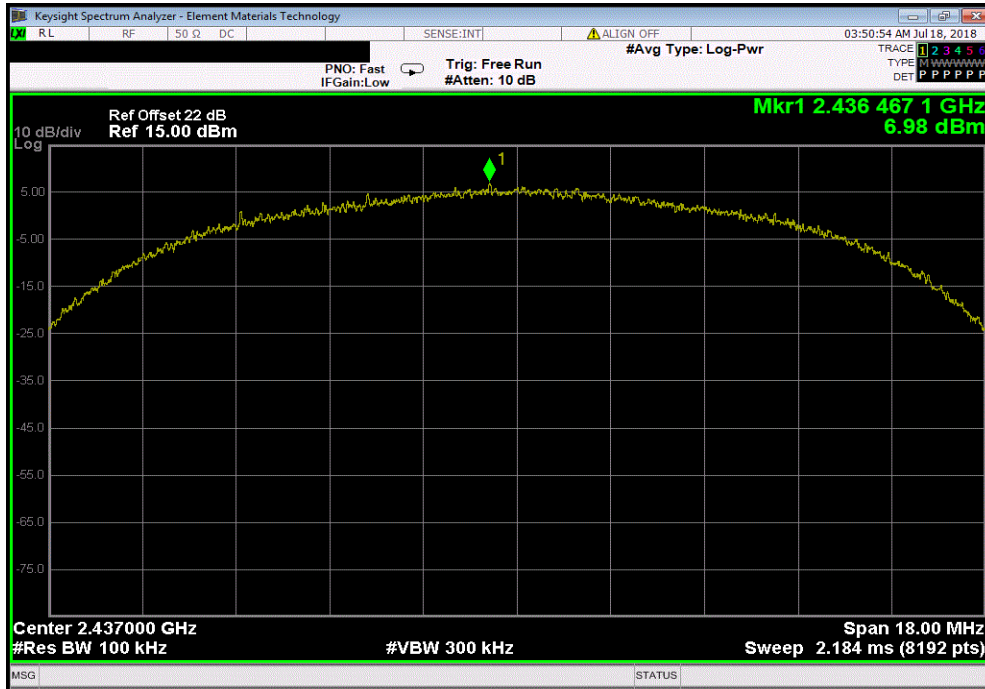


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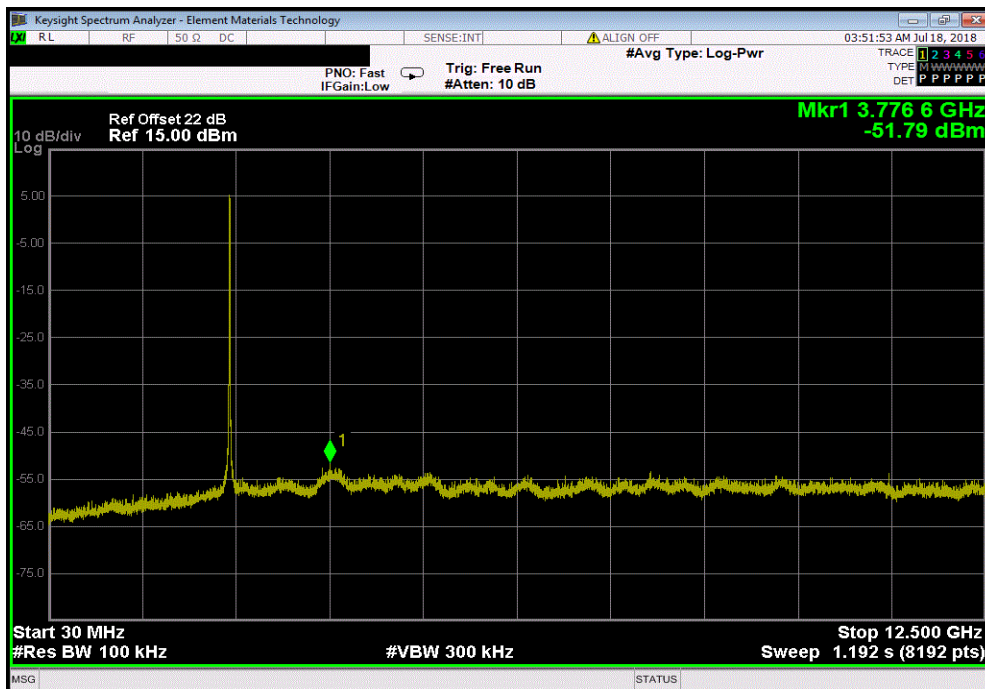


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2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental	N/A	N/A	N/A		



2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-58.77	-30	Pass		

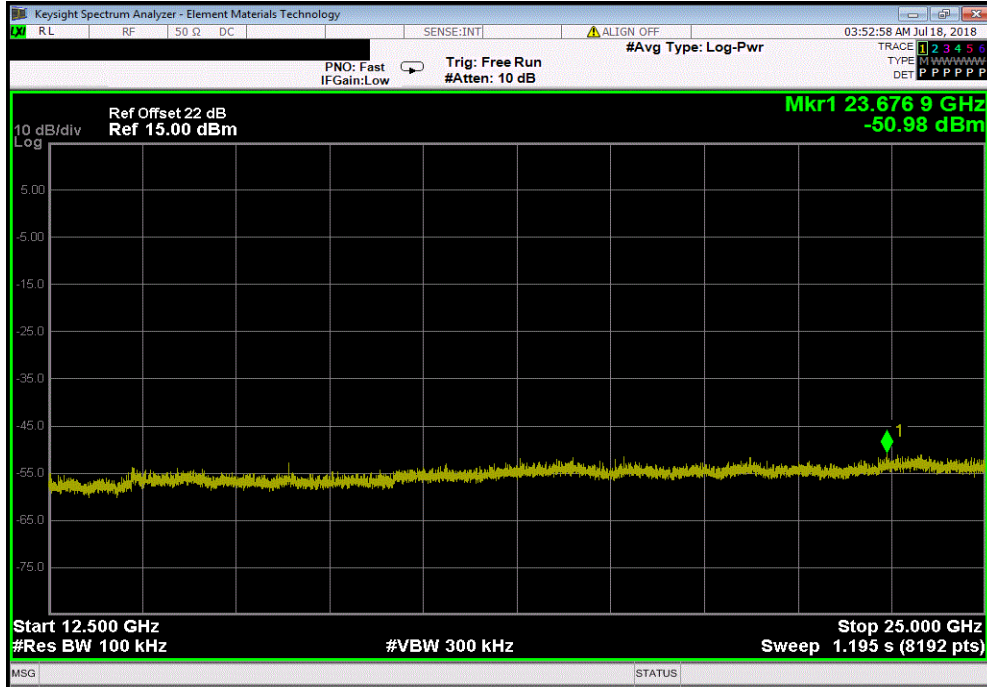


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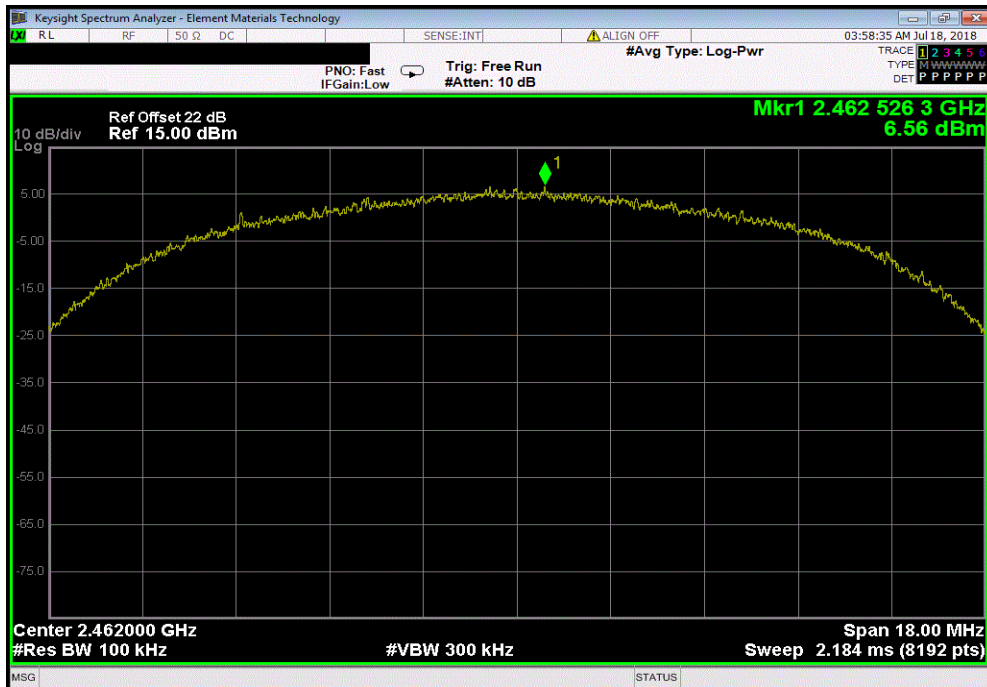


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-57.96	-30	Pass	



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

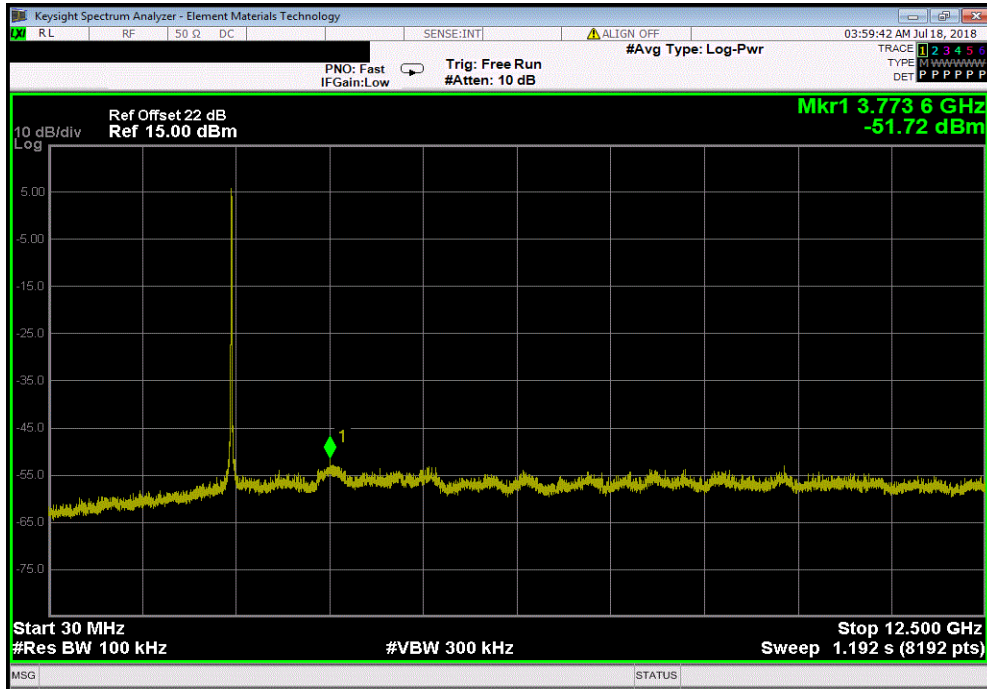


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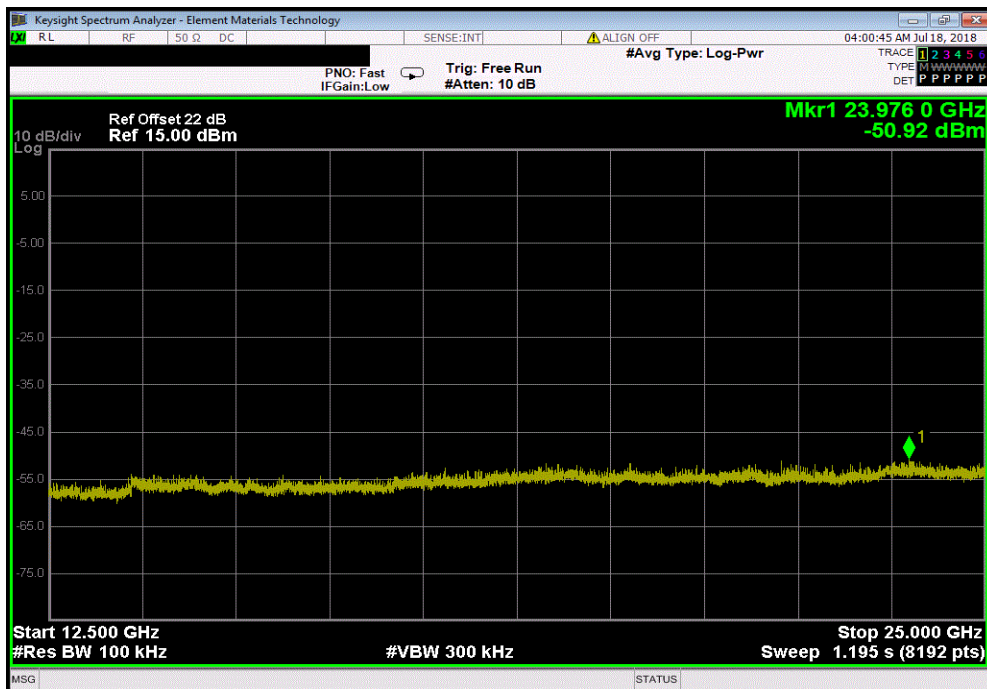


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2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-58.28	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-57.48	-30	Pass	

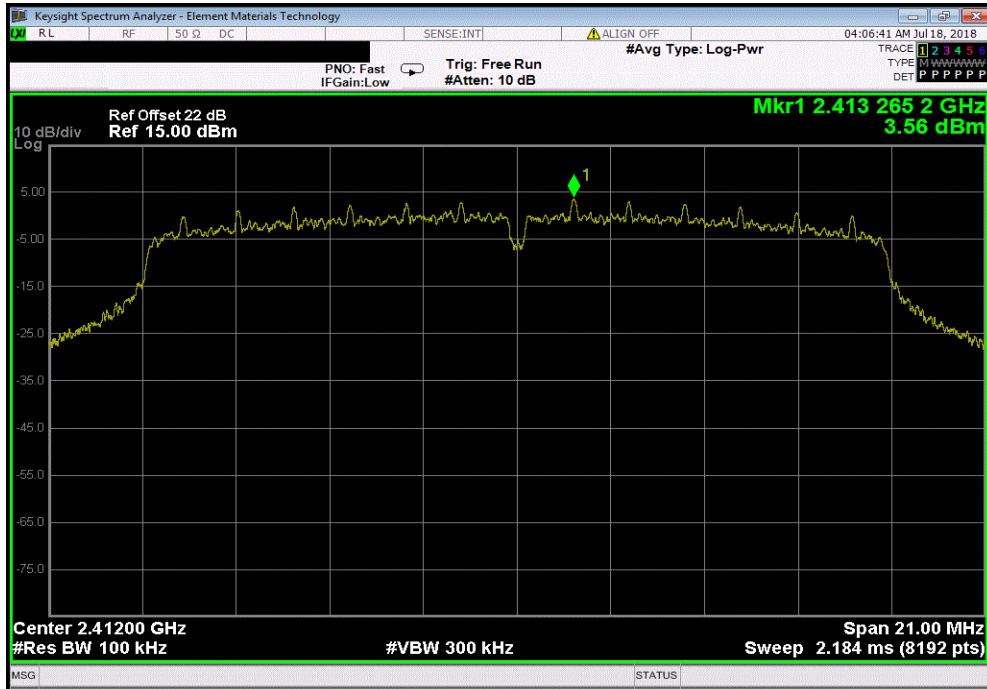


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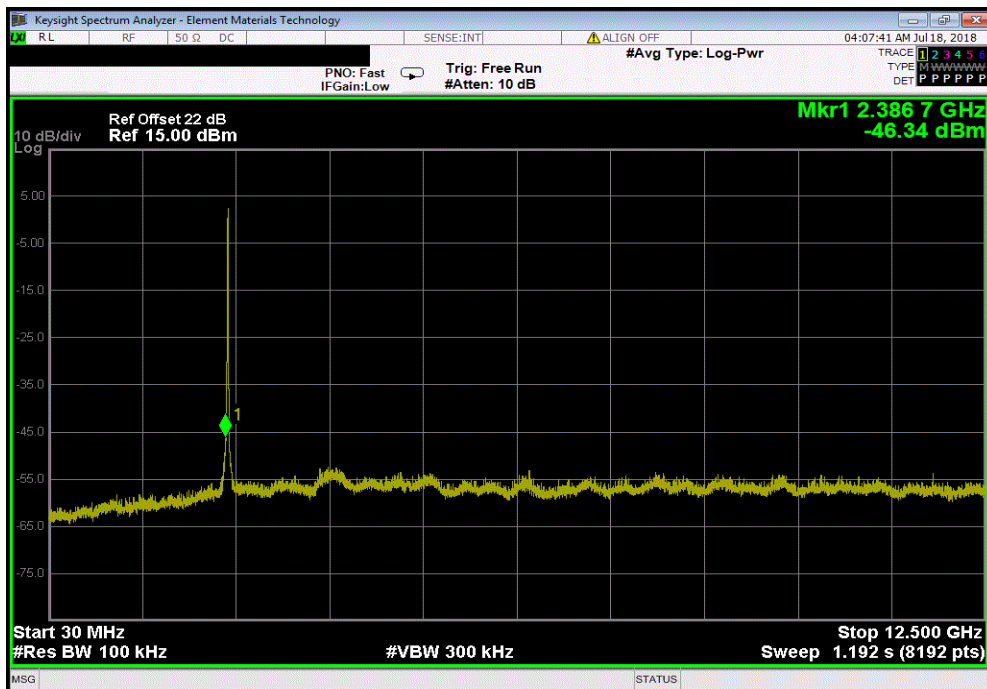


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2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
Fundamental	N/A	N/A	N/A		



2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-49.9	-30	Pass		

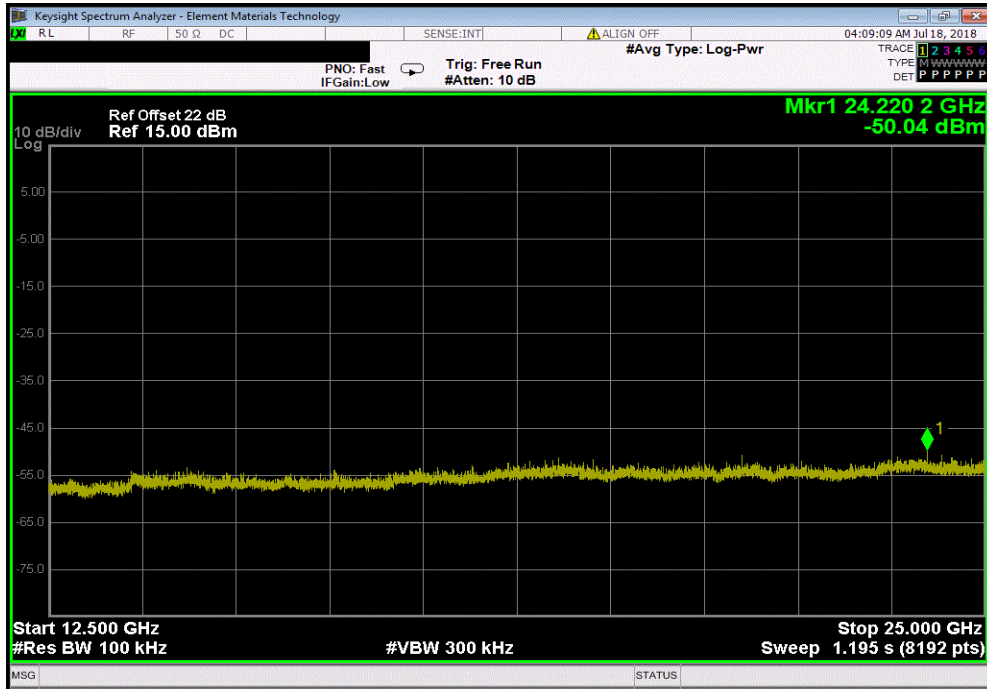


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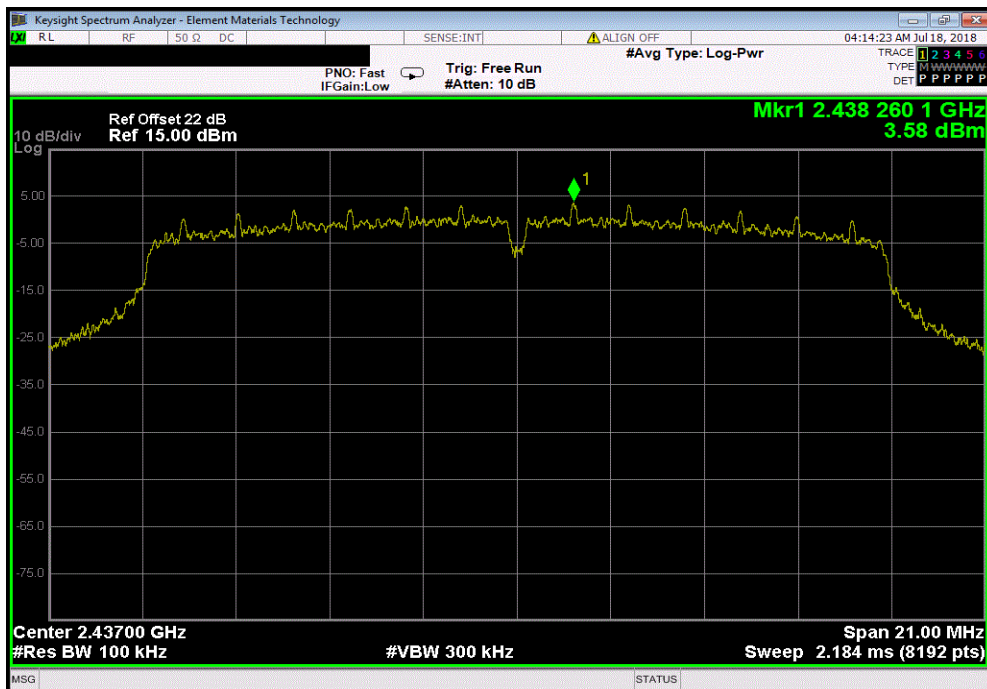


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2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.6	-30	Pass	



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

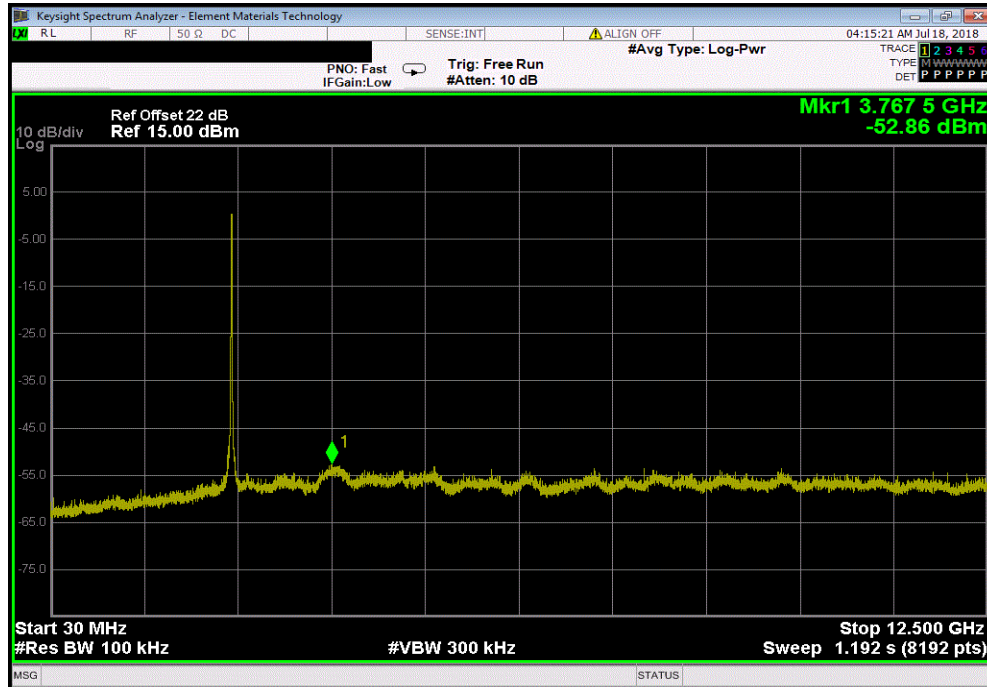


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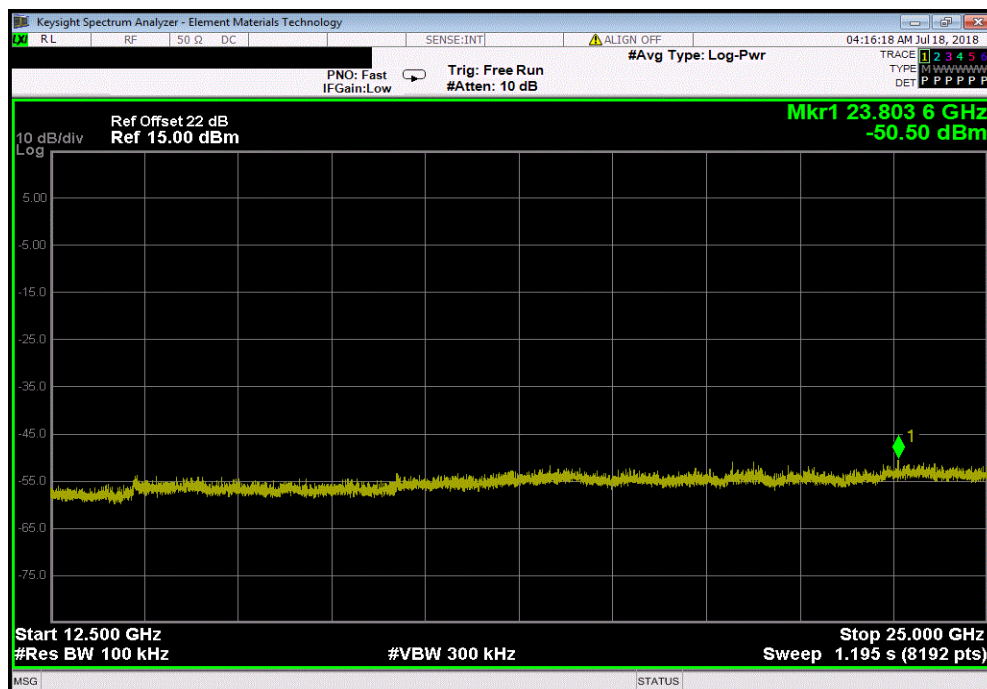


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2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-56.44	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.08	-30	Pass	

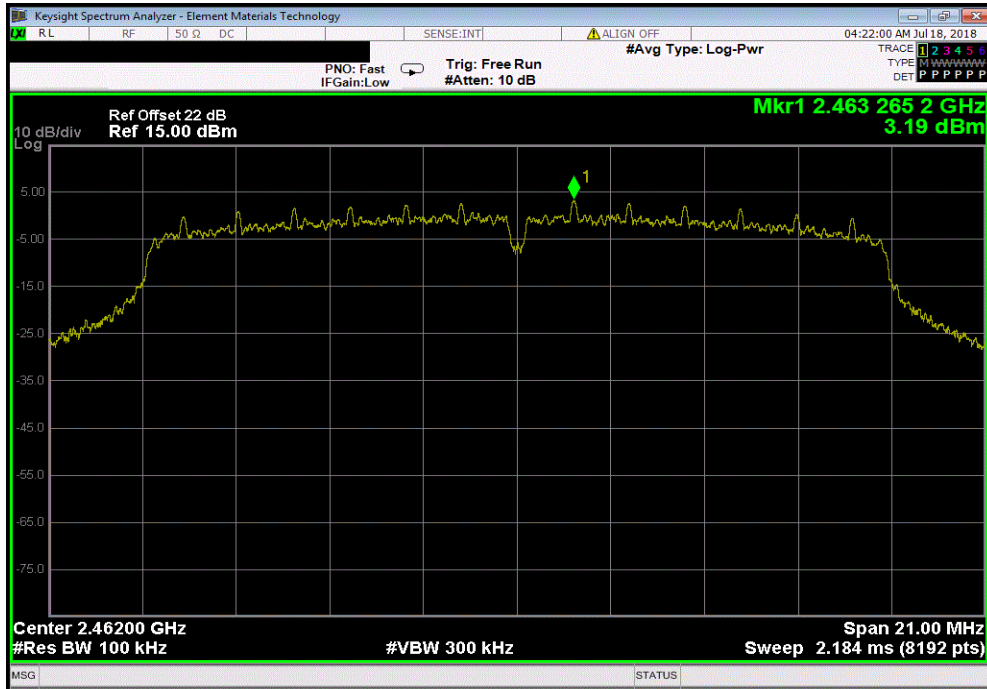


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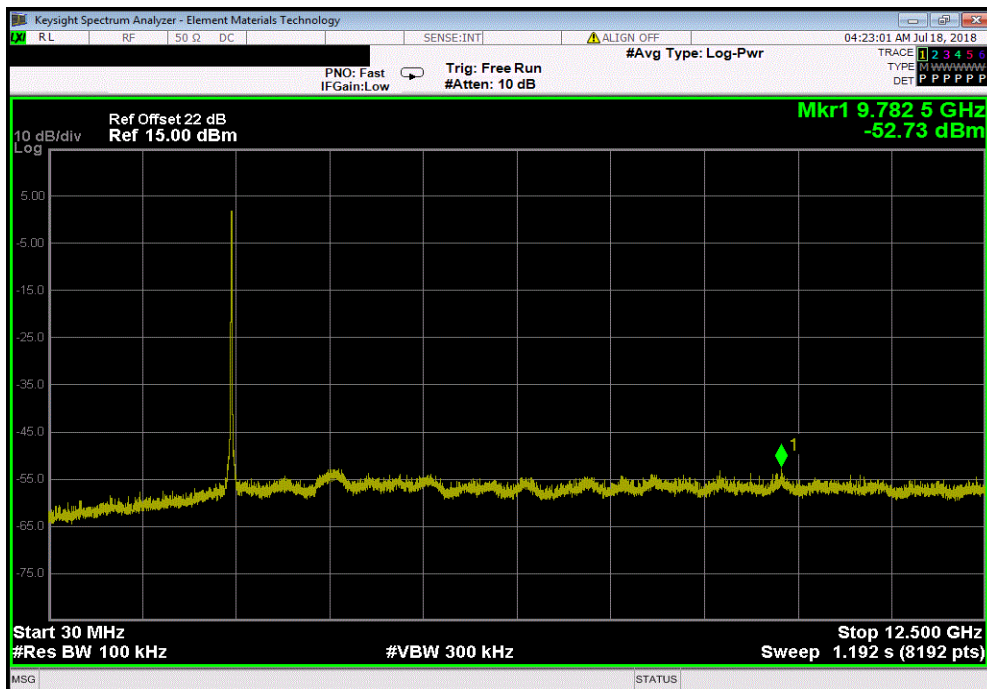


TMTx 2017.12.14 XMI 2017.12.13

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



2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-55.92	-30	Pass		

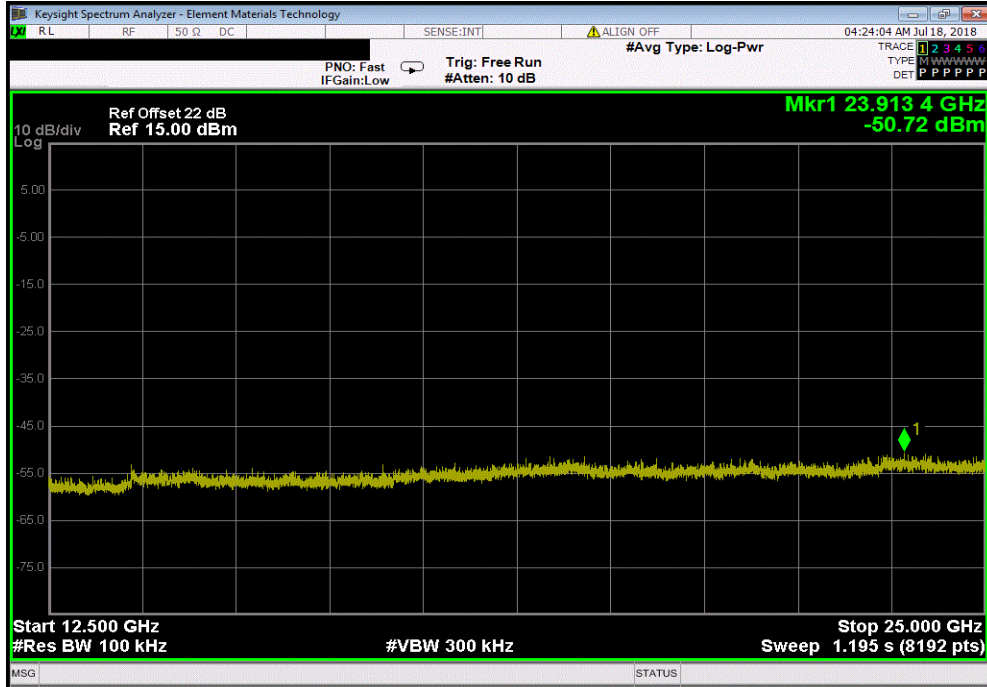


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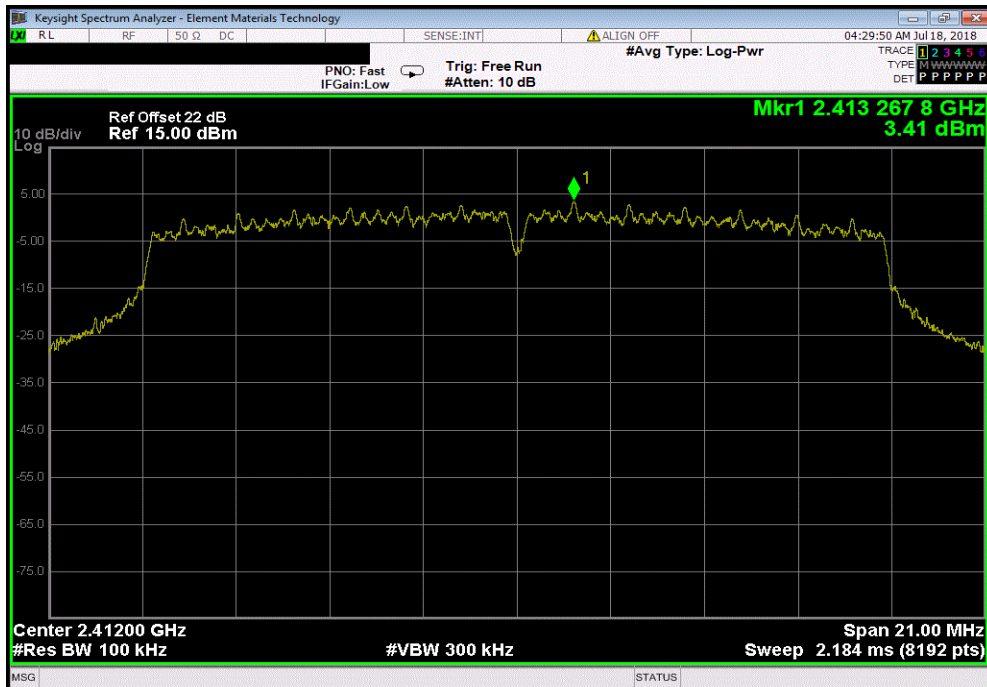


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.91	-30	Pass	



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

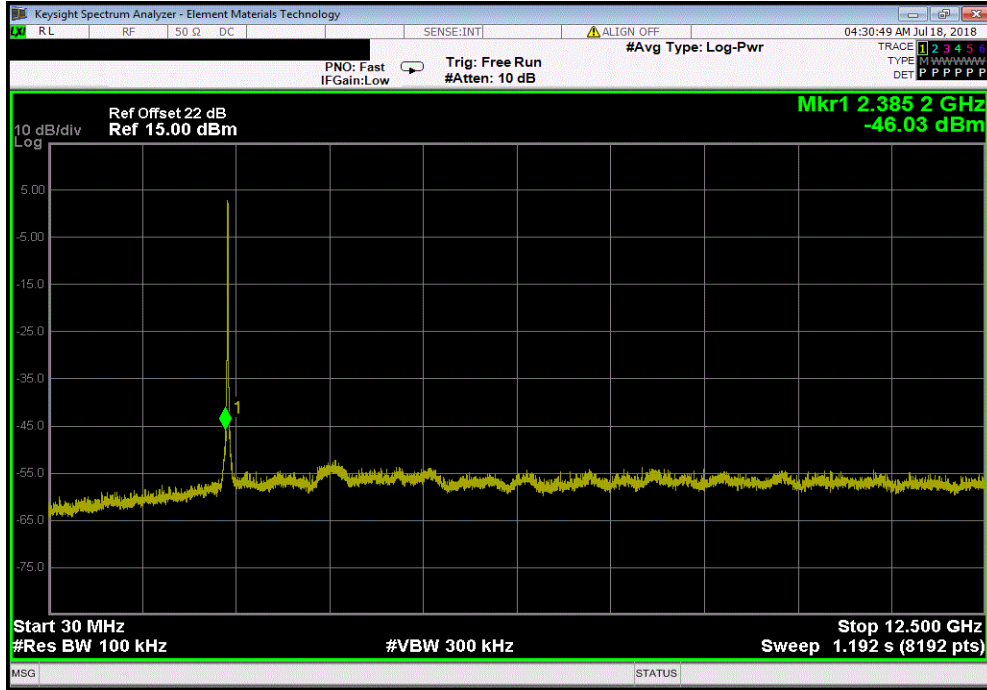


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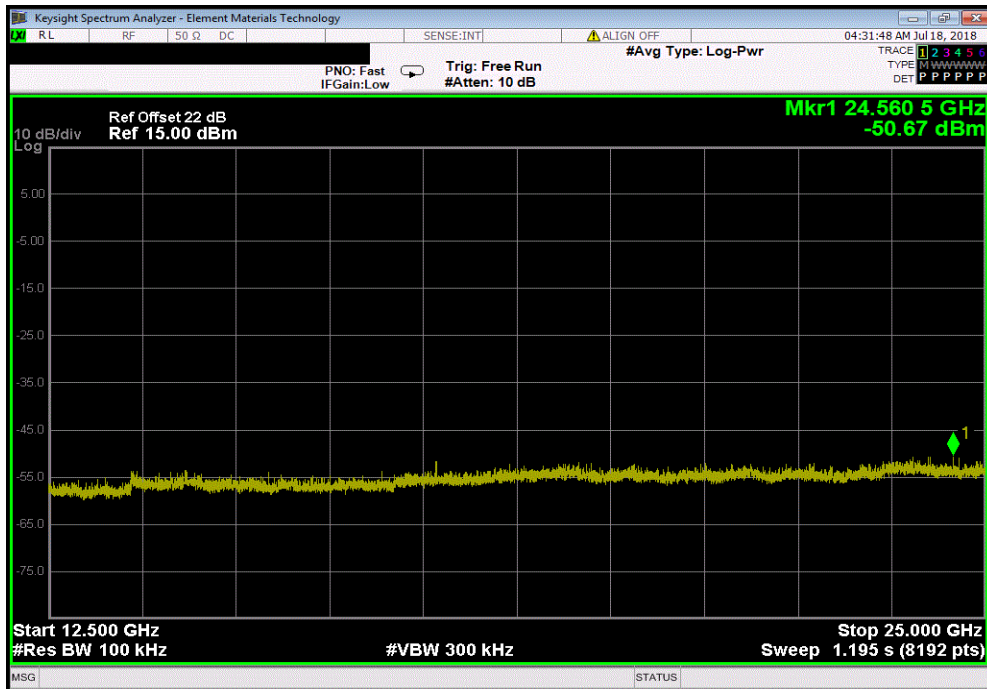


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2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-49.44	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.08	-30	Pass	

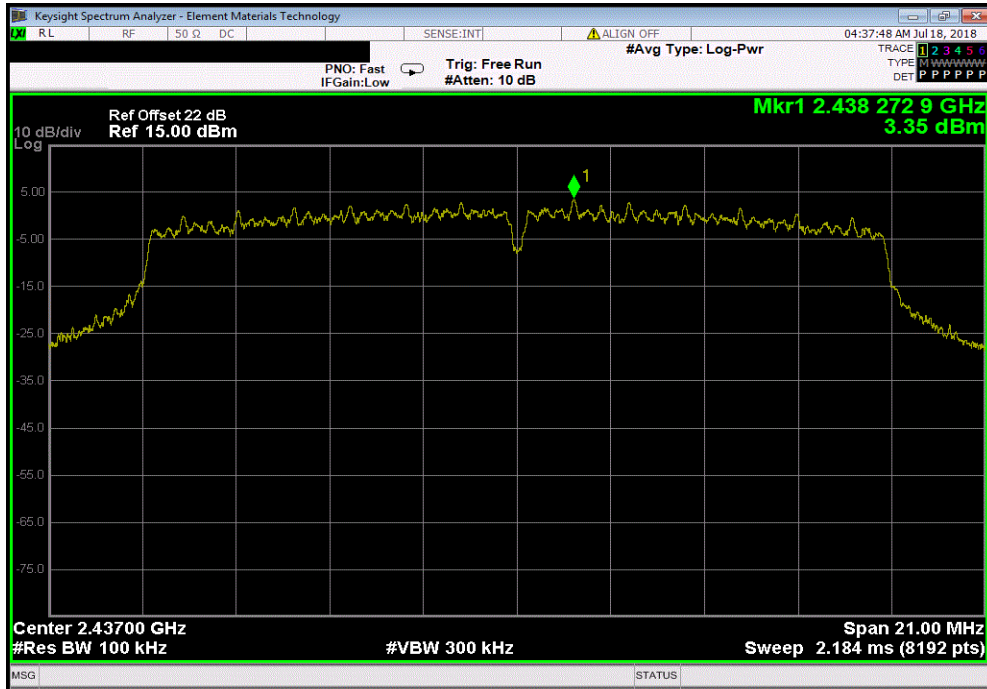


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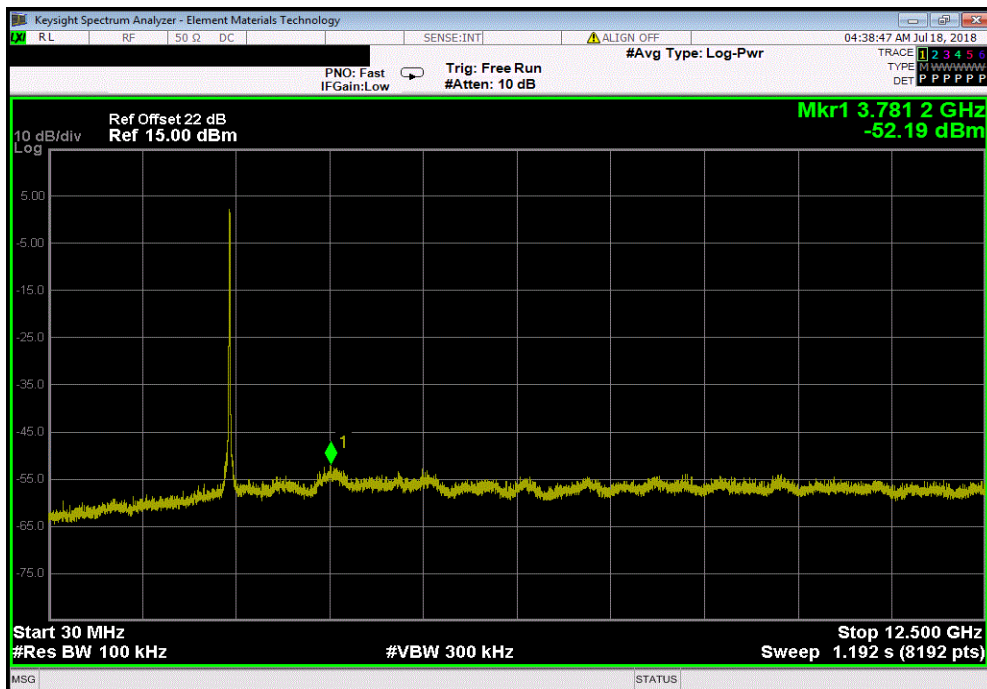


TMTX 2017.12.14 XMI 2017.12.13

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



2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-55.55	-30	Pass		

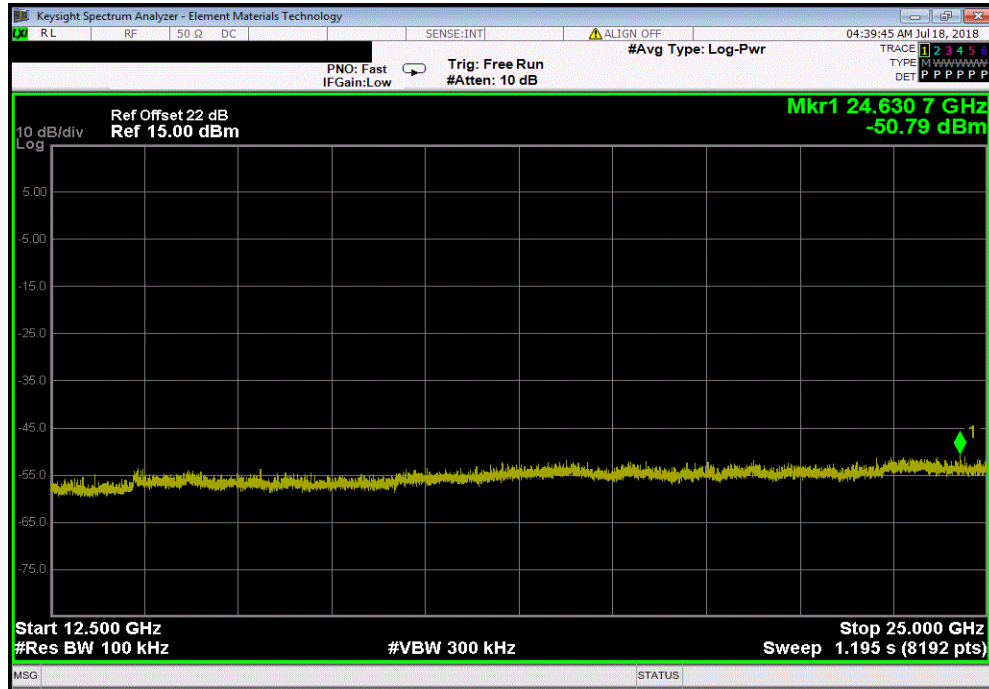


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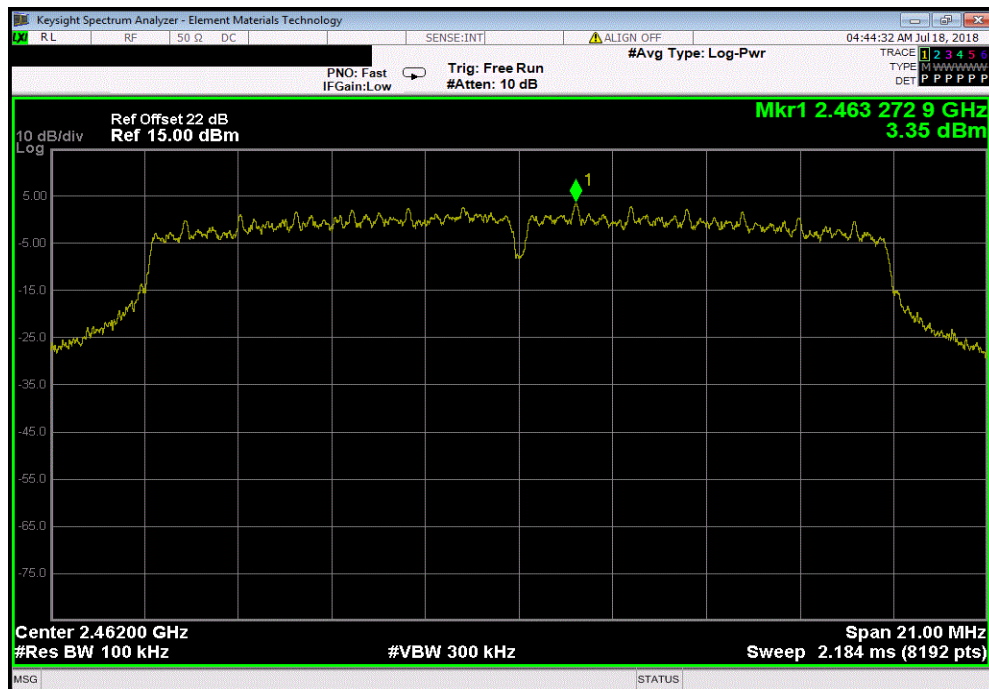


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.14	-30	Pass	



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

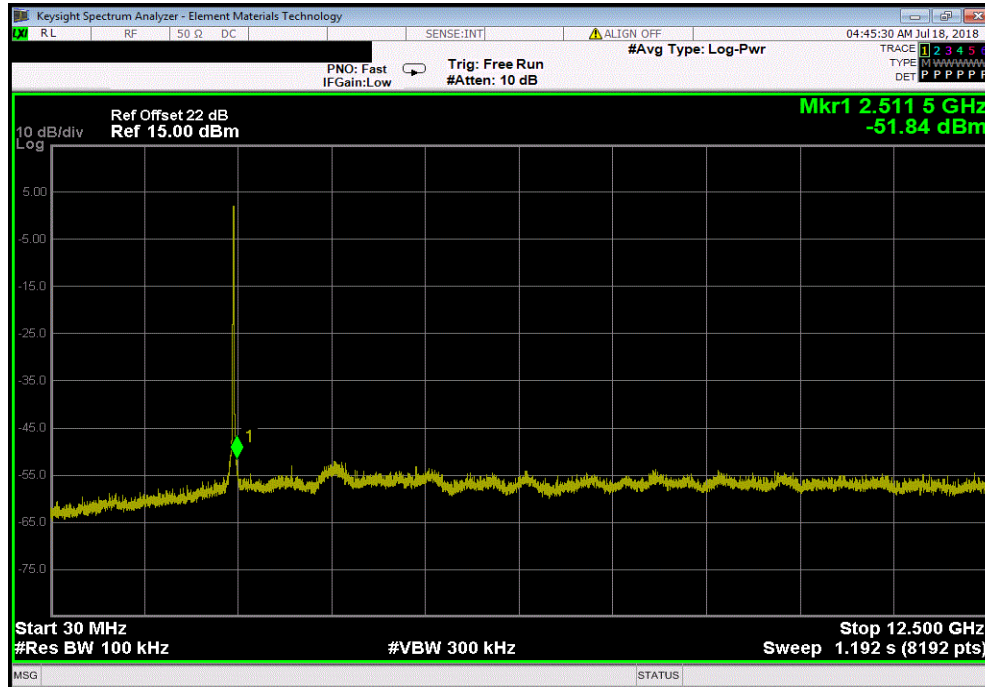


SPURIOUS CONDUCTED EMISSIONS

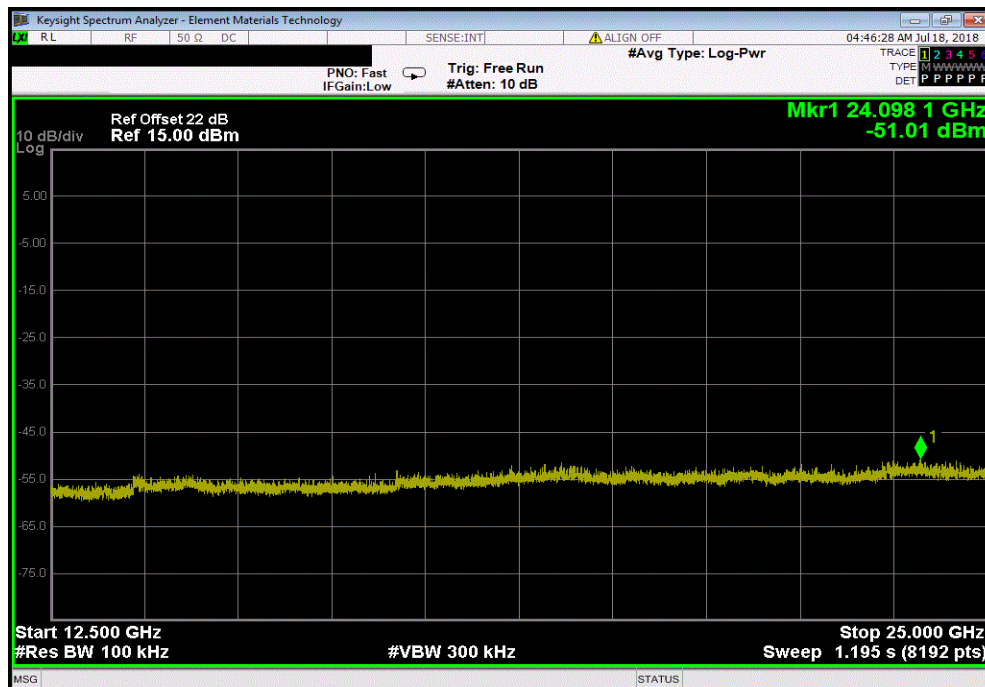


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-55.19	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.36	-30	Pass	

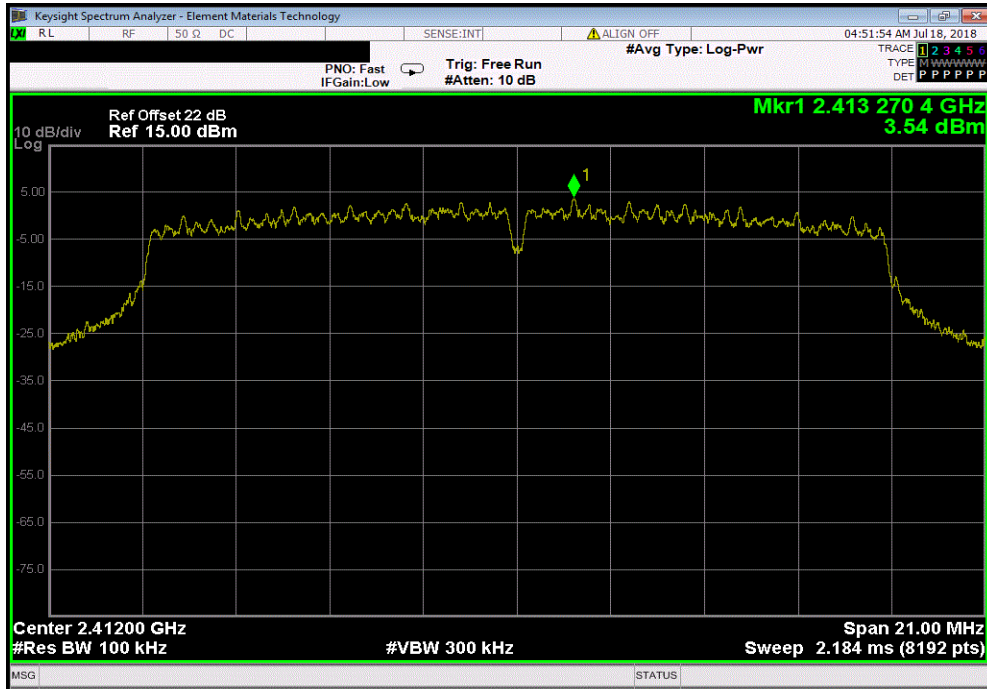


SPURIOUS CONDUCTED EMISSIONS

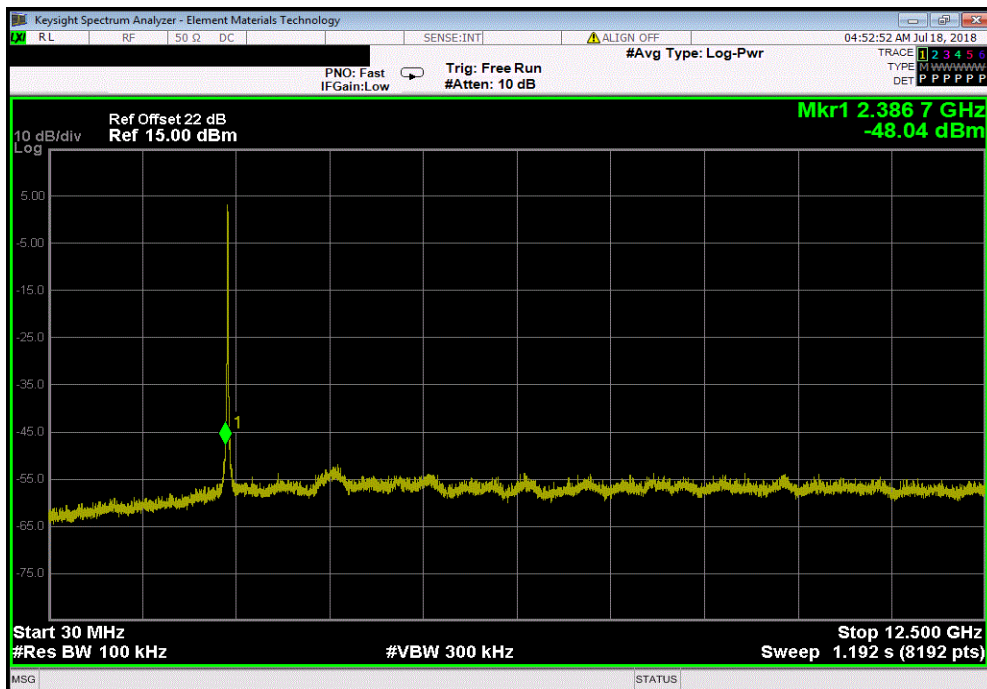


TMTx 2017.12.14 XMI 2017.12.13

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



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-51.59	-30	Pass		

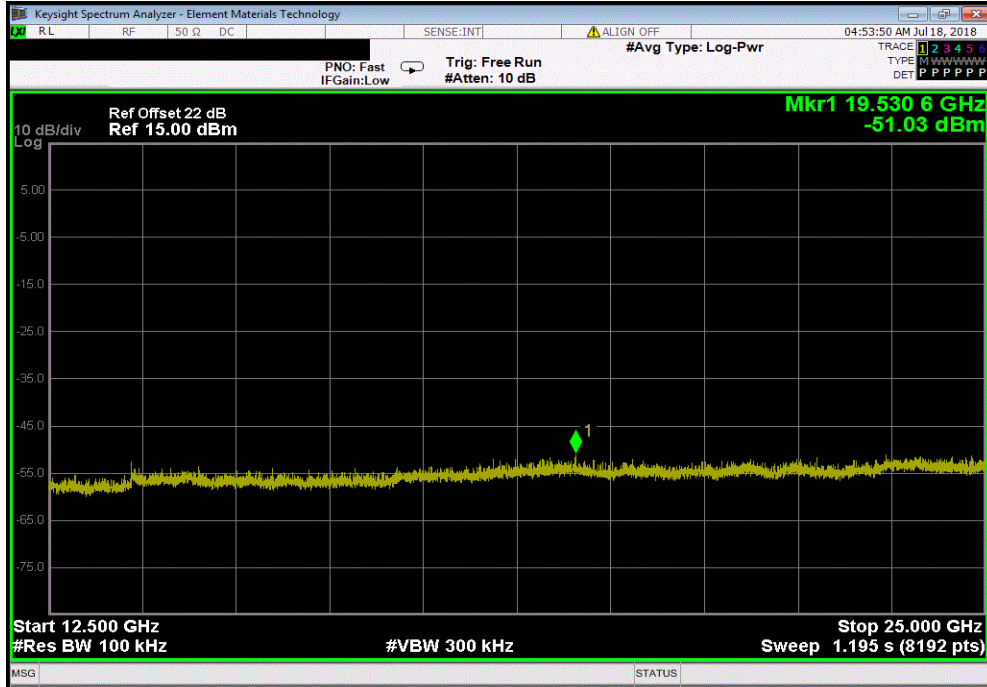


SPURIOUS CONDUCTED EMISSIONS

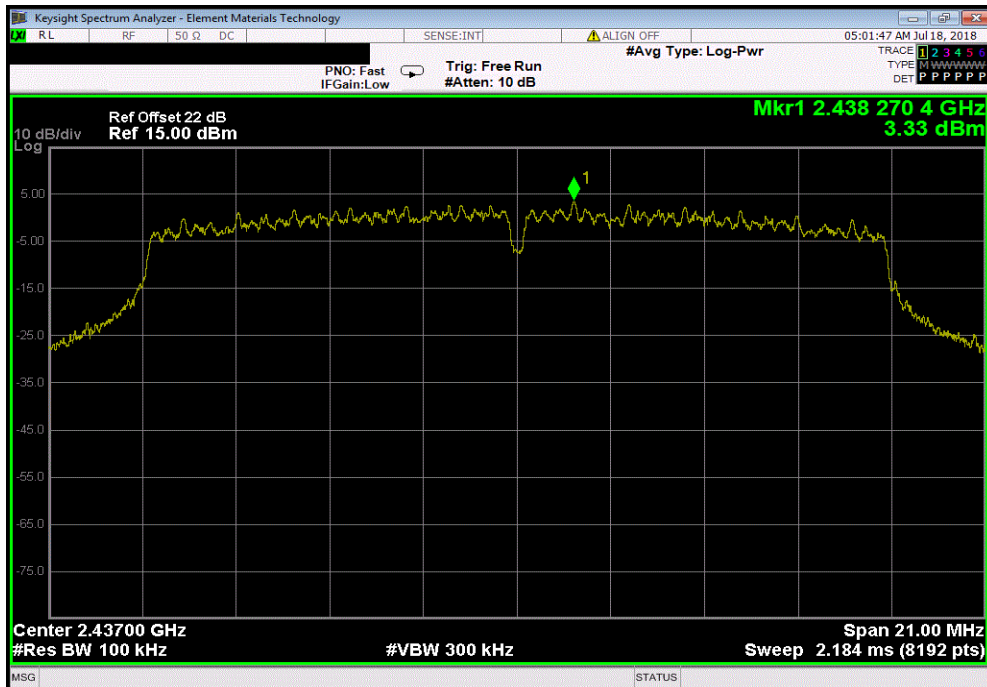


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-54.58	-30	Pass	



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

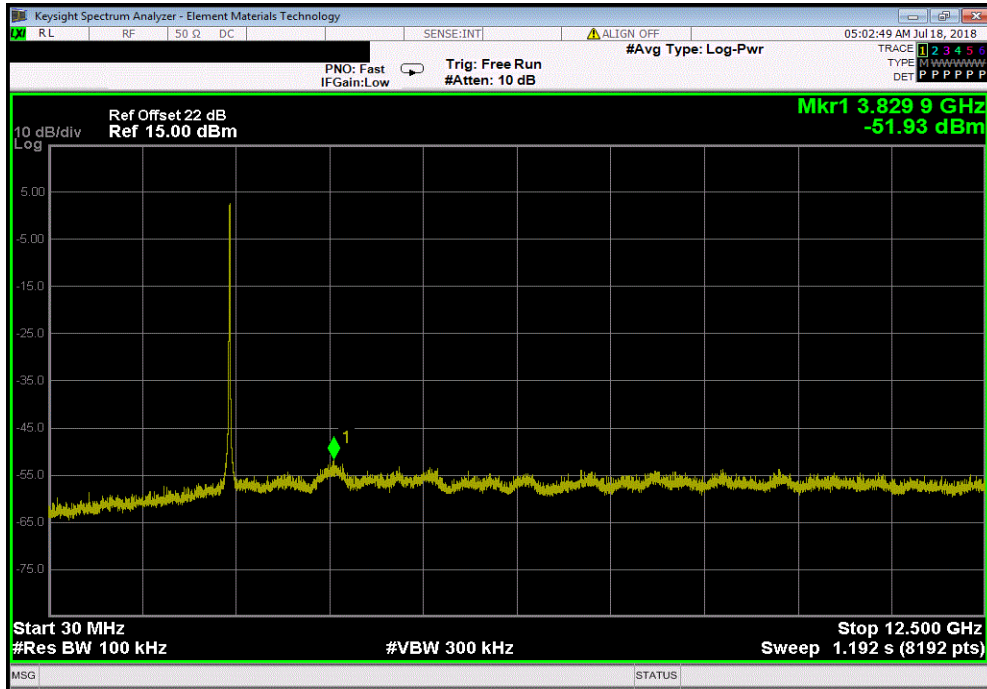


SPURIOUS CONDUCTED EMISSIONS

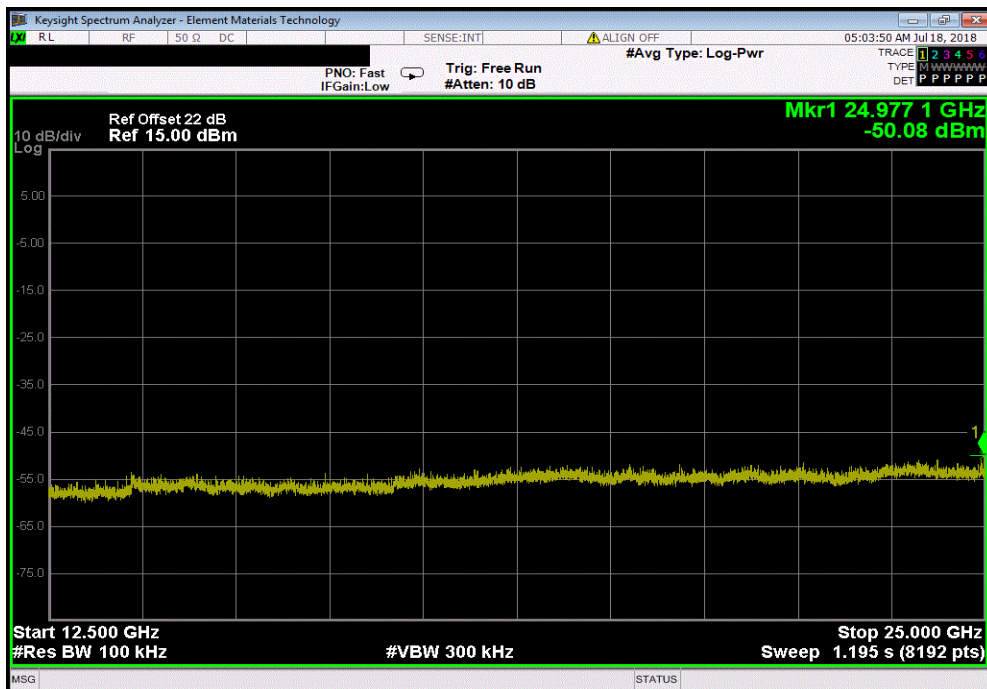


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-55.26	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.41	-30	Pass	

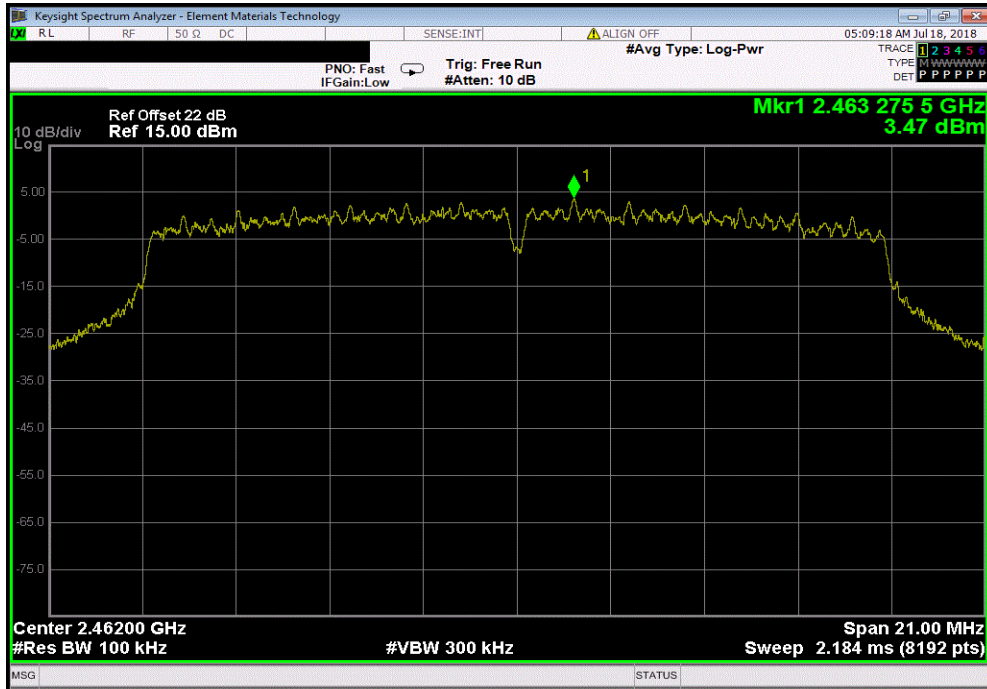


SPURIOUS CONDUCTED EMISSIONS

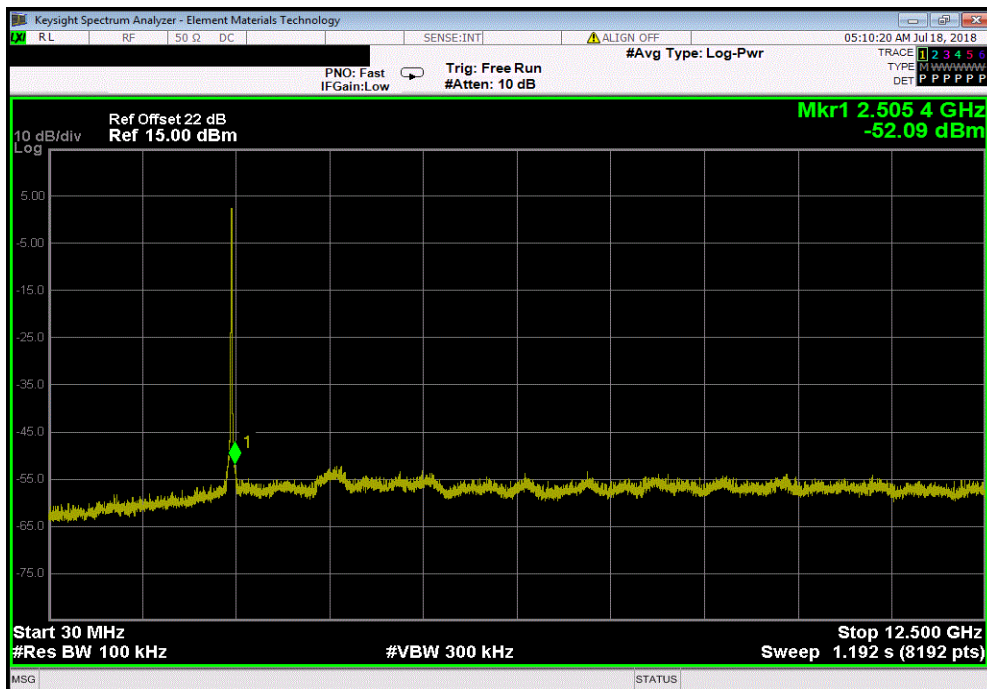


TMTX 2017.12.14 XMI 2017.12.13

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



2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-55.56	-30	Pass		

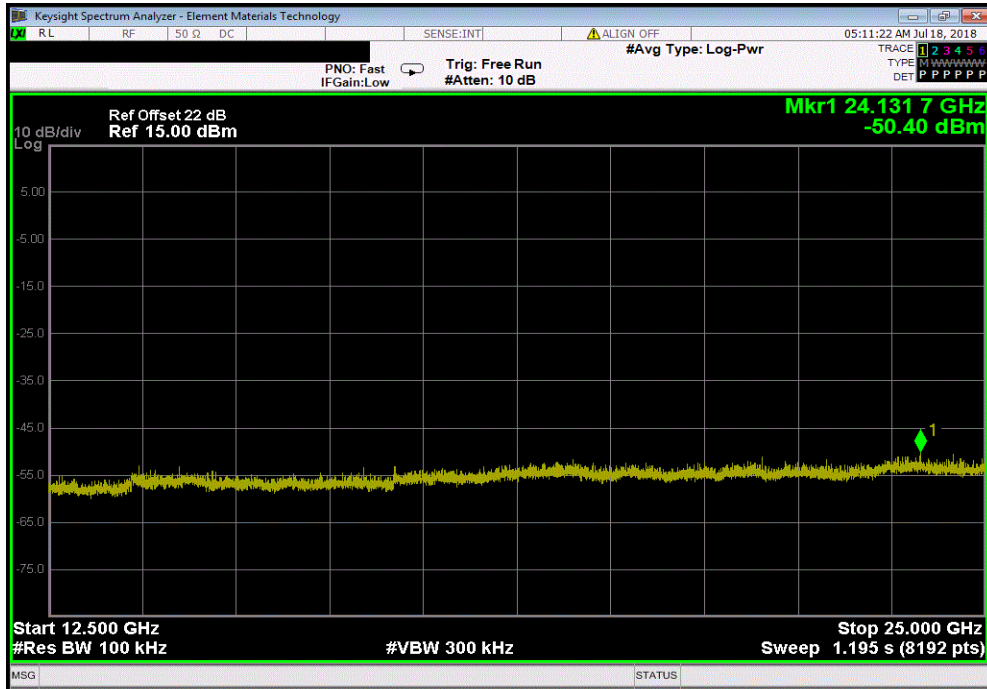


SPURIOUS CONDUCTED EMISSIONS

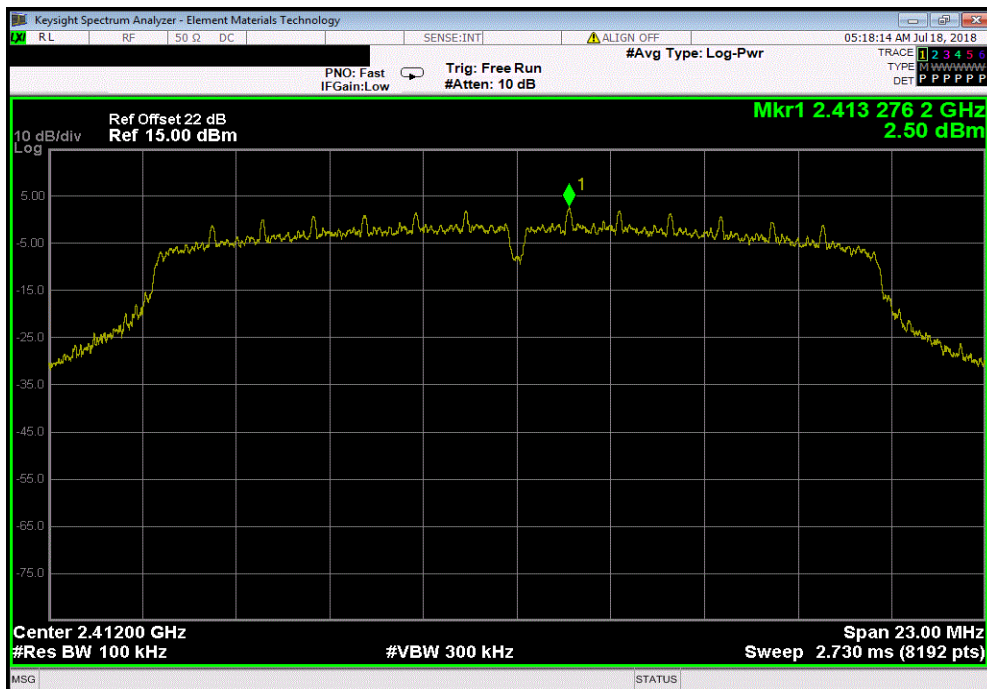


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.87	-30	Pass	



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

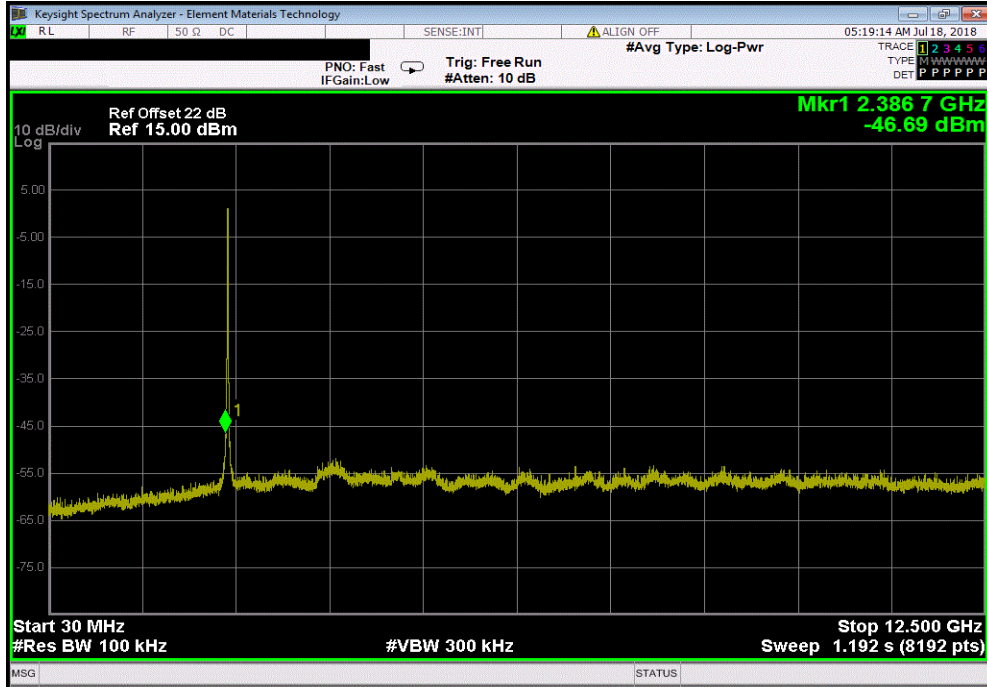


SPURIOUS CONDUCTED EMISSIONS

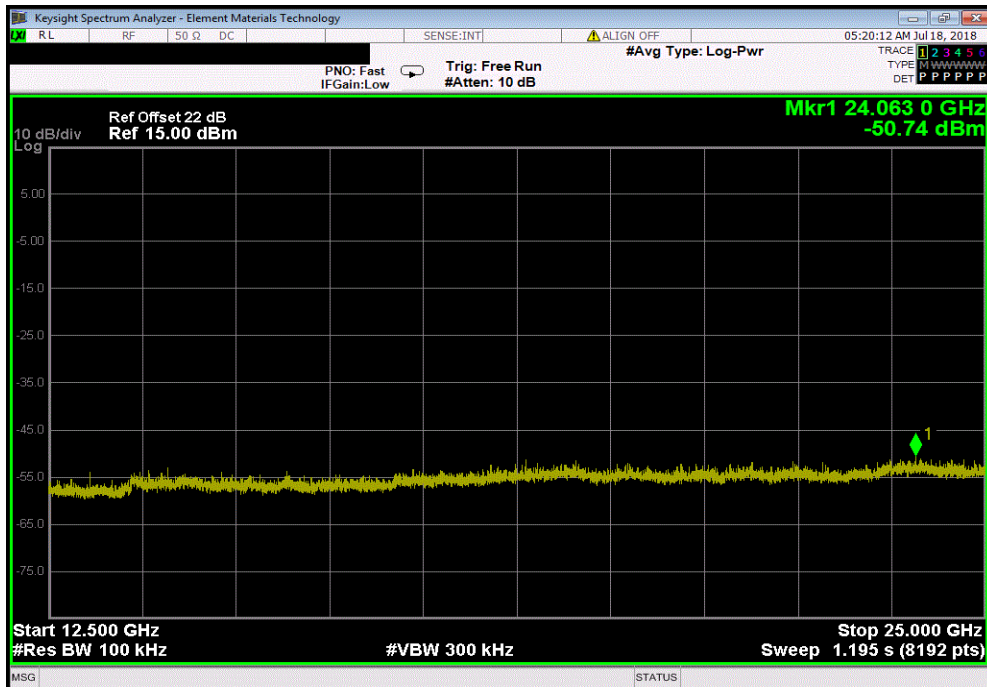


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-49.19	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.24	-30	Pass	

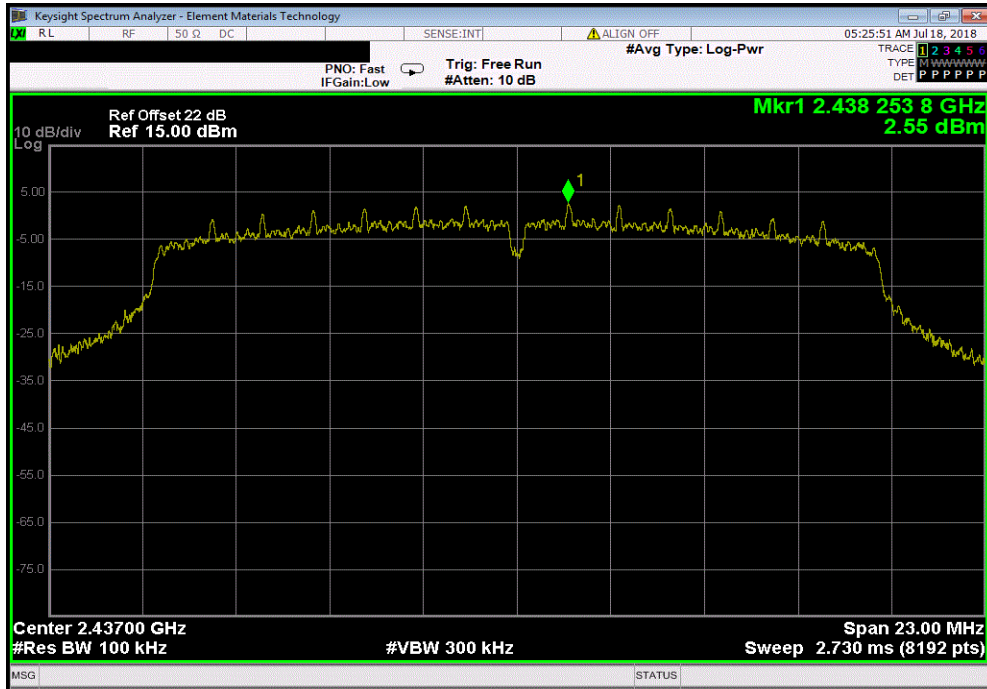


SPURIOUS CONDUCTED EMISSIONS

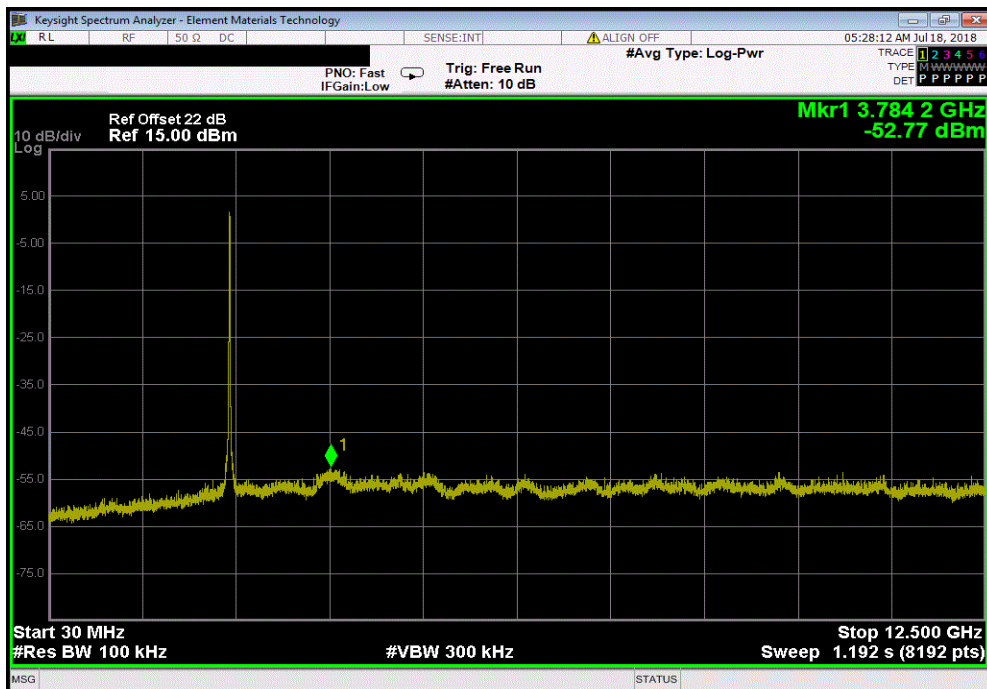


TMTX 2017.12.14 XMI 2017.12.13

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



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz						
Frequency Range		Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz		-55.32	-30	Pass		

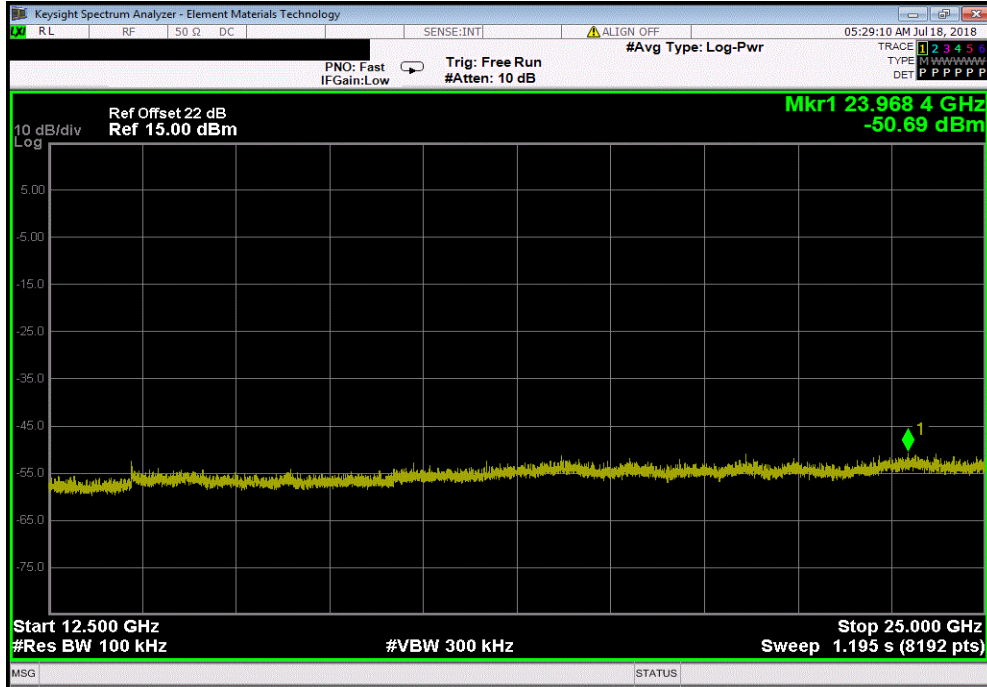


SPURIOUS CONDUCTED EMISSIONS

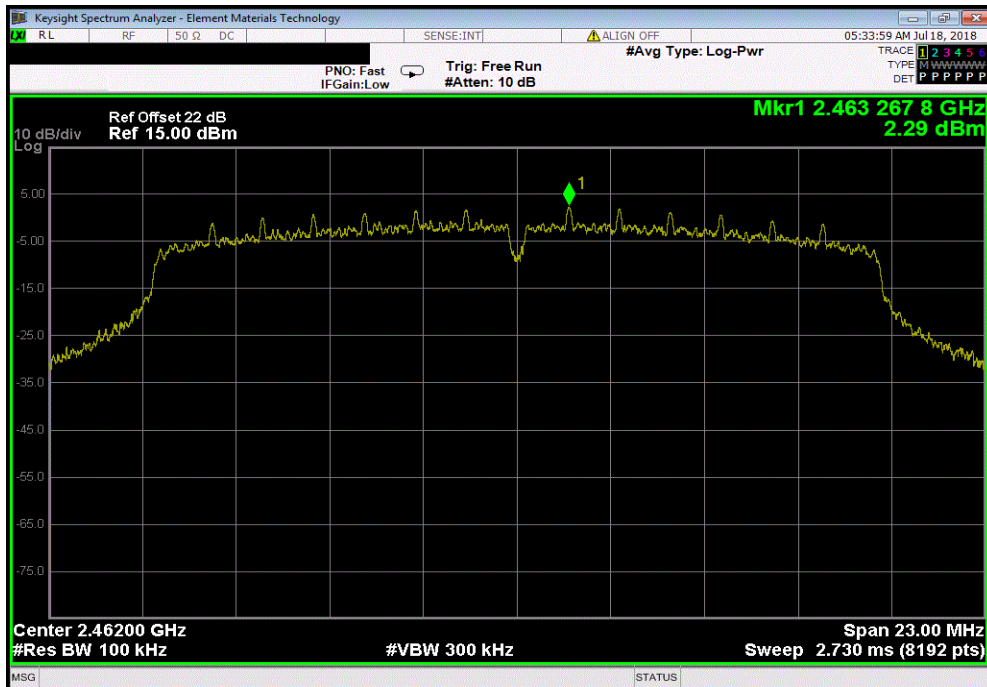


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-53.24	-30	Pass	



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

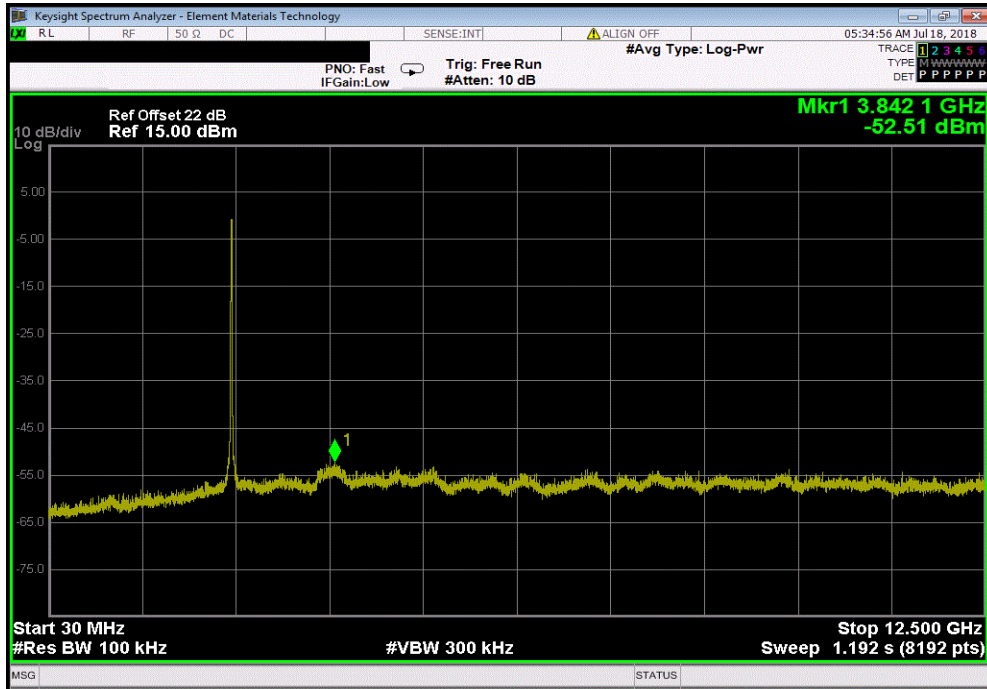


SPURIOUS CONDUCTED EMISSIONS

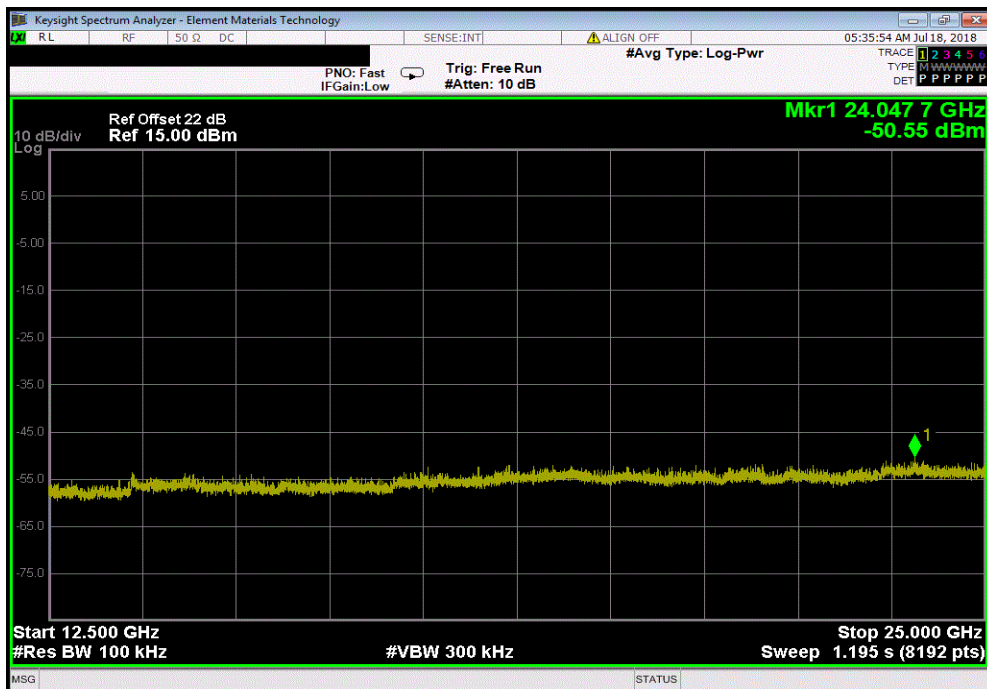


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-54.8	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.84	-30	Pass	

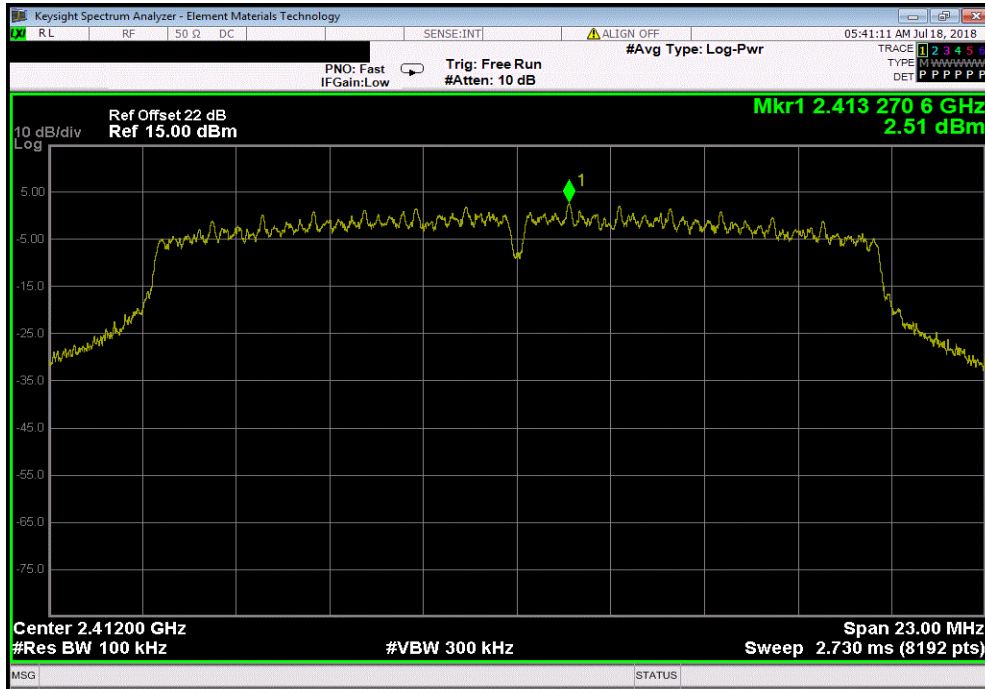


SPURIOUS CONDUCTED EMISSIONS

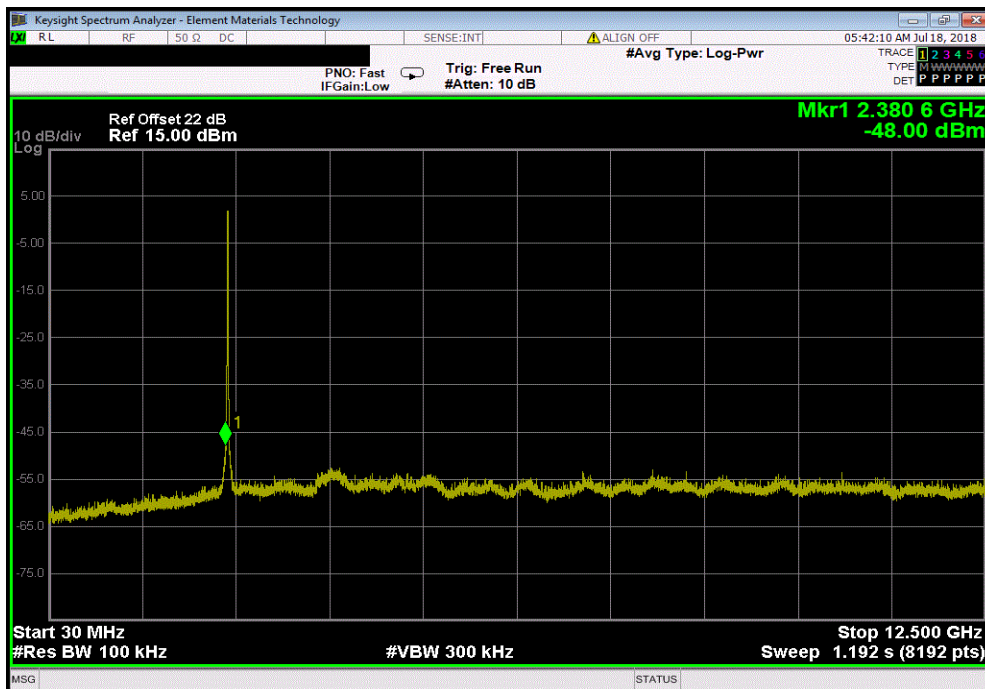


TMTx 2017.12.14 XMI 2017.12.13

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



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-50.51	-30	Pass		

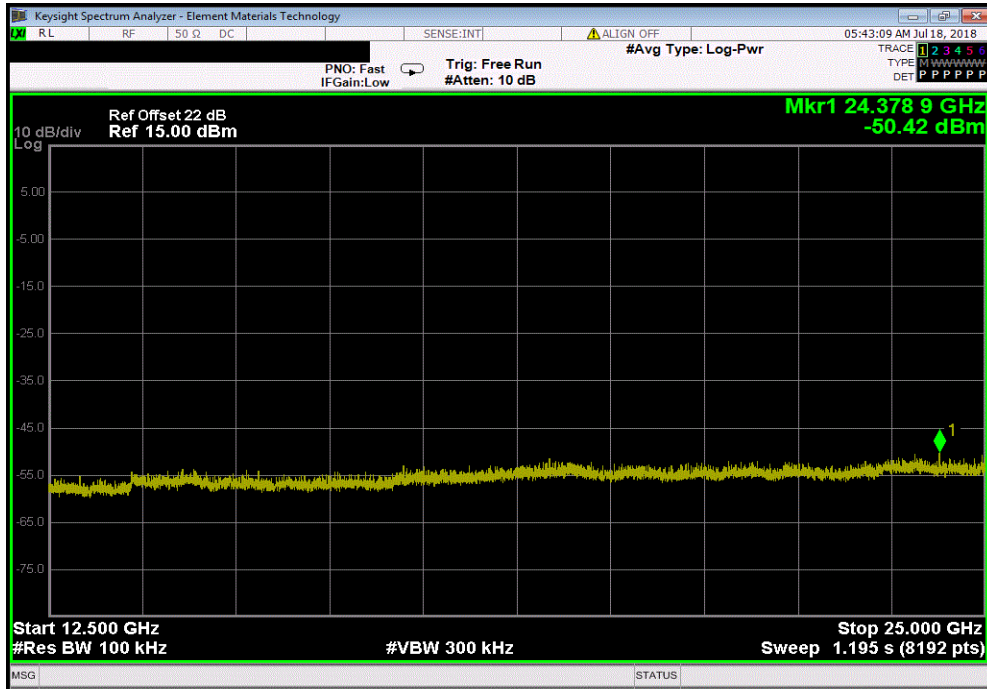


SPURIOUS CONDUCTED EMISSIONS

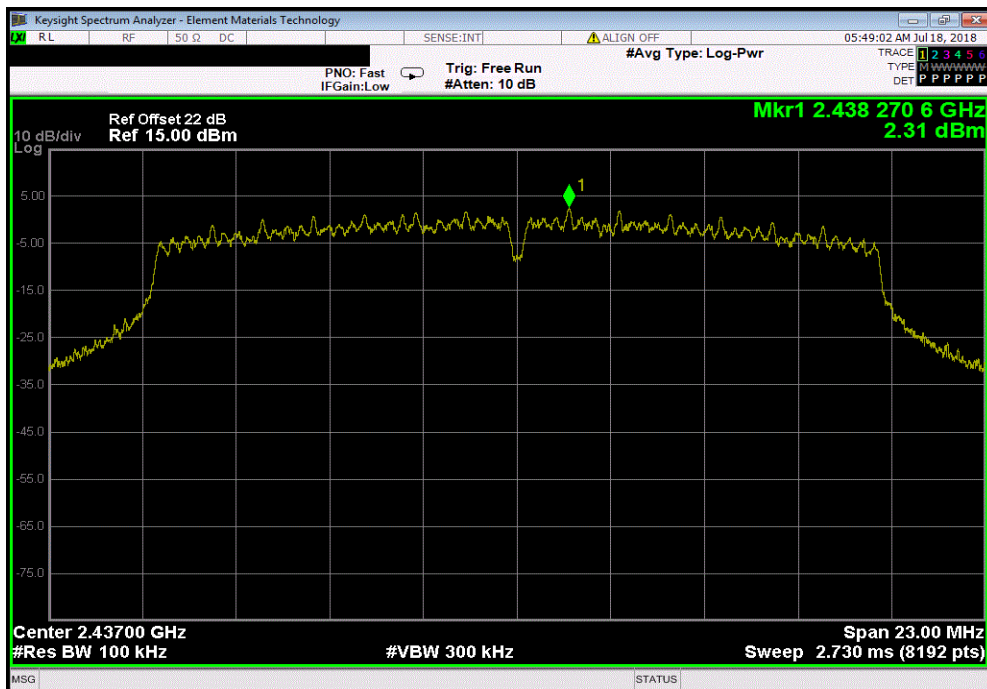


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.93	-30	Pass	



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

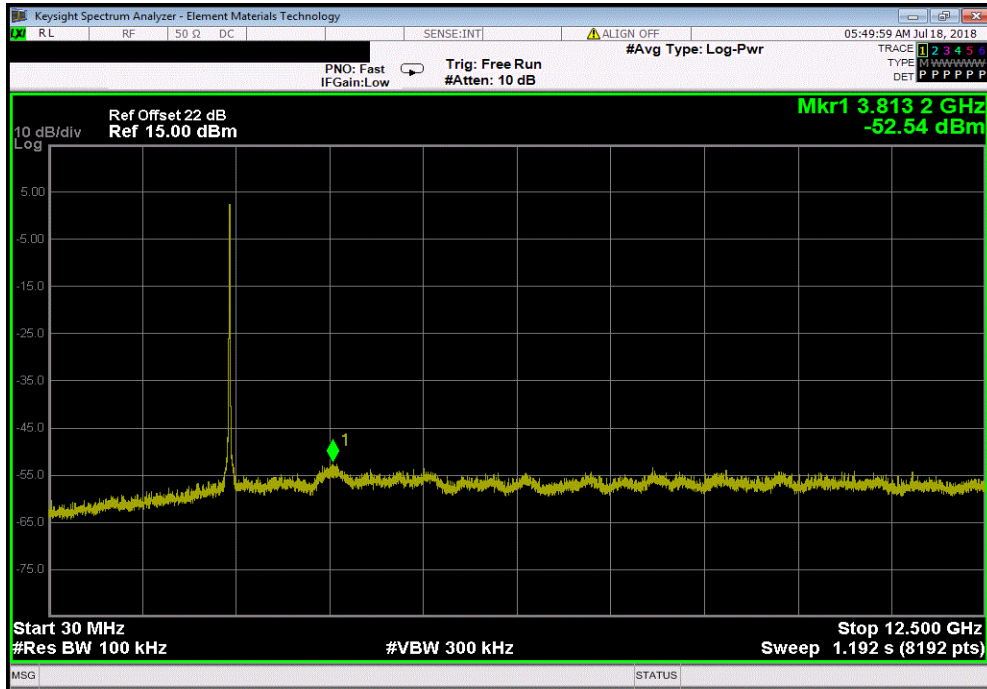


SPURIOUS CONDUCTED EMISSIONS

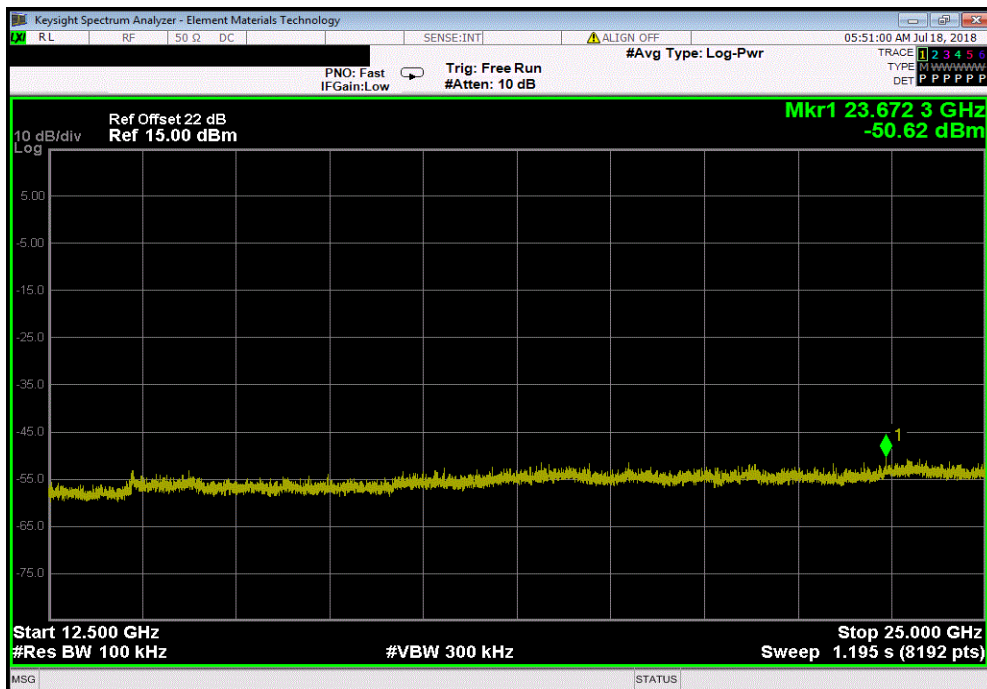


TMTX 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
30 MHz - 12.5 GHz	-54.85	-30	Pass	



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.93	-30	Pass	

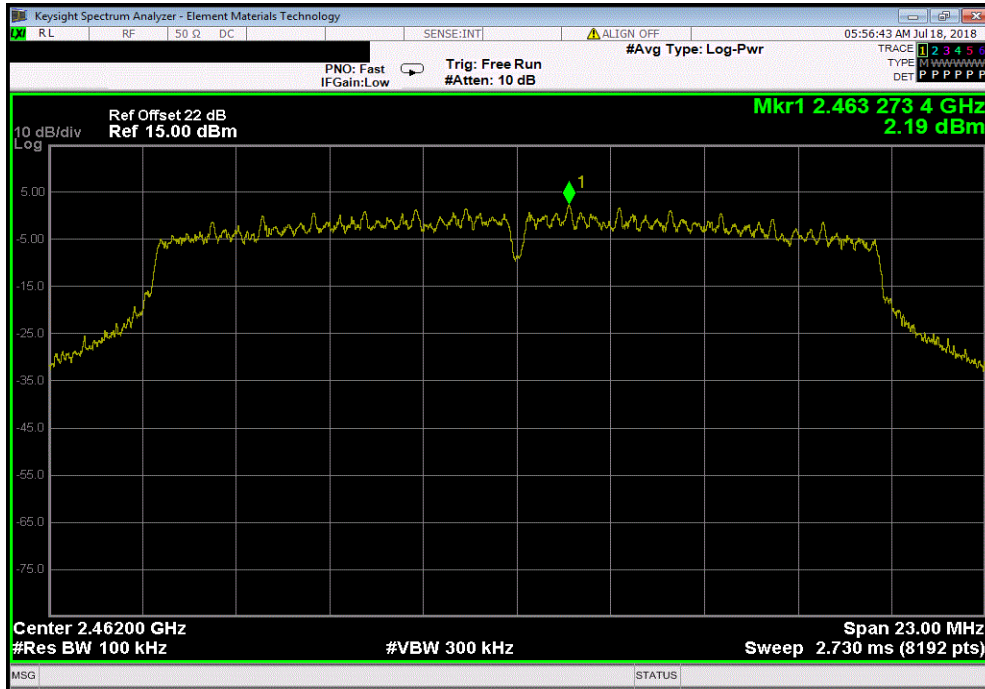


SPURIOUS CONDUCTED EMISSIONS

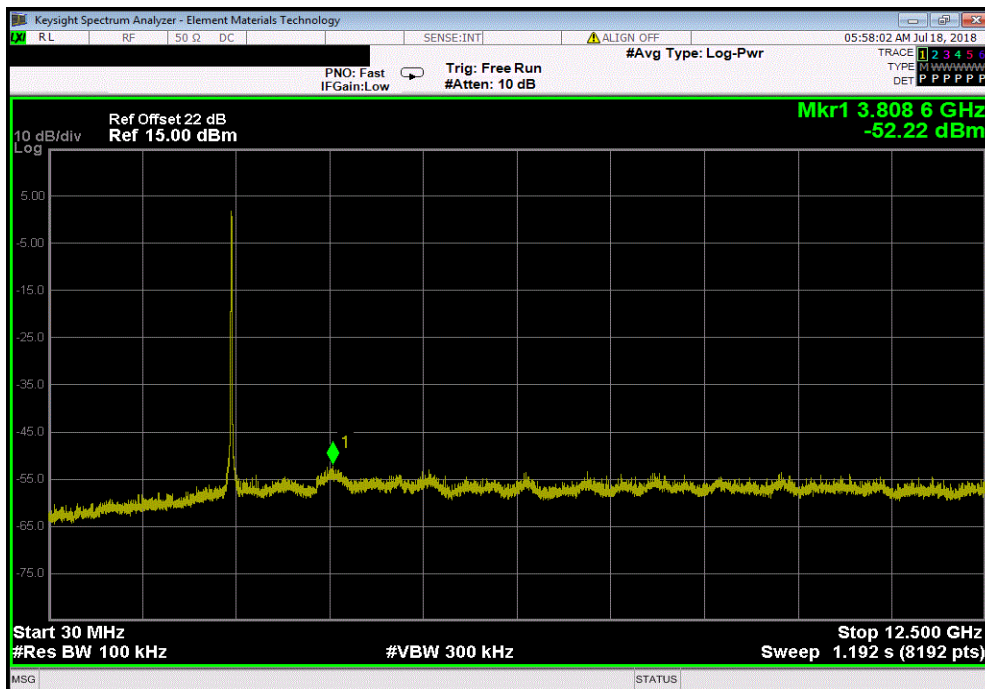


TMTX 2017.12.14 XMI 2017.12.13

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



2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz					
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result		
30 MHz - 12.5 GHz	-54.41	-30	Pass		

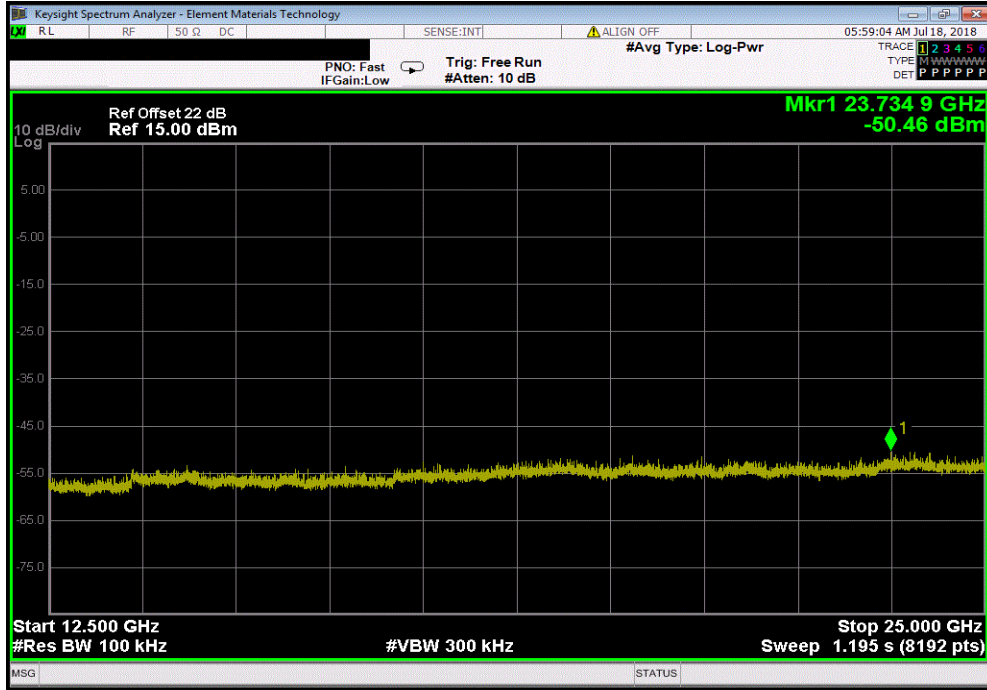


SPURIOUS CONDUCTED EMISSIONS



TMTx 2017.12.14 XMI 2017.12.13

2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz				
Frequency Range	Max Value (dBc)	Limit ≤ (dBc)	Result	
12.5 GHz - 25 GHz	-52.65	-30	Pass	



SPURIOUS RADIATED EMISSIONS



PSA-ESCI 2018.05.04

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

MODES OF OPERATION

Tx WiFi with a 20 MHz bandwidth on Low, Mid, or High channel at 2412, 2437, or 2462 MHz.

POWER SETTINGS INVESTIGATED

110VAC/60Hz

CONFIGURATIONS INVESTIGATED

MDTR0649 - 1

FREQUENCY RANGE INVESTIGATED

Start Frequency | 30 MHz | Stop Frequency | 25 GHz

SAMPLE CALCULATIONS

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

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
Cable	ESM Cable Corp	TTBJ141 KMKM-72	MNP	12-Sep-2017	12 mo
Amplifier - Pre-Amplifier	Miteq	JSD4-18002600-26-8P	APU	12-Sep-2017	12 mo
Antenna - Standard Gain	ETS Lindgren	3160-09	AHG	NCR	0 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVV	13-Feb-2018	12 mo
Cable	ESM Cable Corp.	Double Ridge Guide Horn Cables	MNI	21-Nov-2017	12 mo
Attenuator	Fairview Microwave	SA18E-10	TYA	20-Sep-2017	12 mo
Antenna - Double Ridge	ETS Lindgren	3115	AIB	25-Aug-2016	24 mo
Filter - Low Pass	Micro-Tronics	LPM50004	HGG	21-Sep-2017	12 mo
Amplifier - Pre-Amplifier	L-3 Narda-MITEQ	AMF-6F-12001800-30-10P	PAP	24-Feb-2018	12 mo
Cable	Element	Standard Gain Cable	MNW	24-Feb-2018	12 mo
Cable	Element	Biconilog Cable	MNX	24-Feb-2018	12 mo
Cable	Element	Double Ridge Guide Horn Cables	MNV	24-Feb-2018	12 mo
Filter - High Pass	Micro-Tronics	HPM50111	HFM	24-Feb-2018	12 mo
Attenuator	Coaxicom	3910-20	AXY	24-Feb-2018	12 mo
Antenna - Biconilog	ETS Lindgren	3142D	AXO	15-Dec-2017	24 mo
Amplifier - Pre-Amplifier	Miteq	AMF-3D-00100800-32-13P	AVX	24-Feb-2018	12 mo
Amplifier - Pre-Amplifier	Miteq	AMF-6F-08001200-30-10P	AVC	24-Feb-2018	12 mo
Amplifier - Pre-Amplifier	Miteq	AM-1064-9079 and SA18E-10	AOO	24-Feb-2018	12 mo
Antenna - Double Ridge	ETS-Lindgren	3115	AJQ	14-Nov-2016	24 mo
Antenna	ETS-Lindgren	3160-08	AJP	NCR	0 mo
Antenna	ETS-Lindgren	3160-07	AJJ	NCR	0 mo

MEASUREMENT BANDWIDTHS

Frequency Range (MHz)	Peak Data (kHz)	Quasi-Peak Data (kHz)	Average Data (kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

SPURIOUS RADIATED EMISSIONS



PSA-ESCI 2018.05.04

TEST DESCRIPTION

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

For each configuration, the spectrum was scanned throughout the specified range as part of the exploratory investigation of the emissions. These "pre-scans" are not included in the report. Final measurements on individual emissions were then made and included in this test report.

The individual emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and EUT antenna in three orthogonal axis if required, and adjusting the measurement antenna height and polarization (per ANSI C63.10). A preamp and high pass filter (and notch filter) were used for this test in order to provide sufficient measurement sensitivity.

Measurements were made with the required detectors and annotated on the data for each individual point using the following annotation:

QP = Quasi-Peak Detector
PK = Peak Detector
AV = RMS Detector

Measurements were made to satisfy the specific requirements of the test specification for out of band emissions as well as the restricted band requirements.

If there are no detectable emissions above the noise floor, the data included may show noise floor measurements for reference only.

Measurements at the edges of the allowable band may be presented in an alternative method as provided for in the ANSI C63.10 Marker-Delta method. This method involves performing an in-band fundamental measurement followed by a screen capture of the fundamental and out-of-band emission using reduced measurement instrumentation bandwidths. The amplitude delta measured on this screen capture is applied to the fundamental emission value to show the out-of-band emission level as applied to the limit.

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

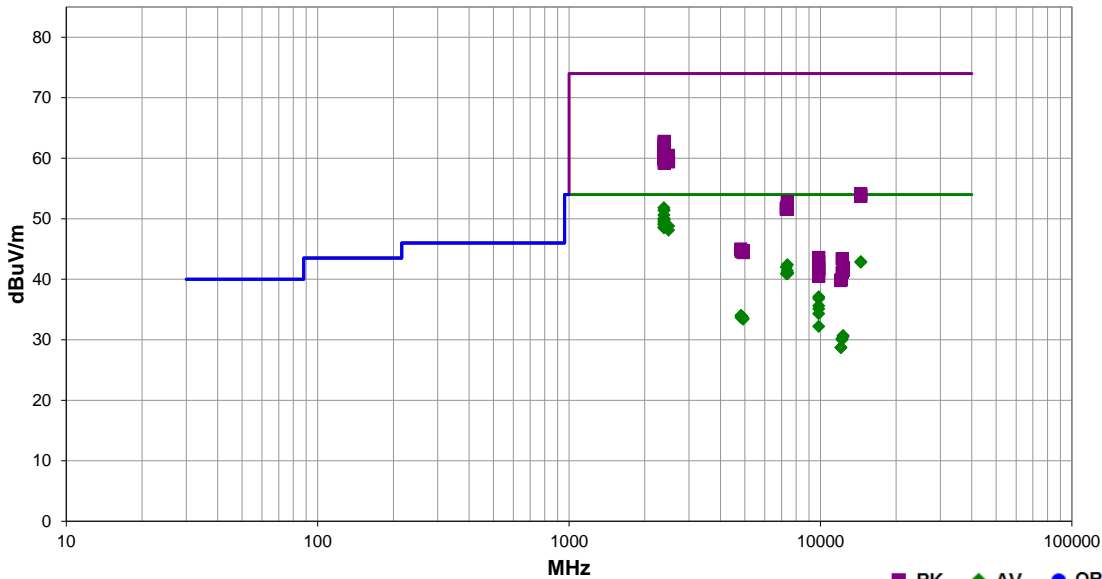
SPURIOUS RADIATED EMISSIONS



EmiR5 2018.05.07 PSA-ESCI 2018.05.04

Work Order:	MDTR0649	Date:	26-Jun-2018	<i>Kyle McMullan</i>
Project:	None	Temperature:	21.4 °C	
Job Site:	MN09/MN05	Humidity:	58.9% RH	
Serial Number:	MEA9987DEM	Barometric Pres.:	1013 mbar	
EUT:	MyCareLink Relay Home Communicator 24960			
Configuration:	1			
Customer:	Medtronic, Inc.			
Attendees:	Taylor Dowden			
EUT Power:	110VAC/60Hz			
Operating Mode:	Tx WiFi with a 20 MHz bandwidth on Low, Mid, or High channel at 2412, 2437, or 2462 MHz.			
Deviations:	None			
Comments:	Measurements from 2380 MHz to 2500 MHz taken in room MN05.			

Test Specifications	FCC 15.247:2018	Test Method	ANSI C63.10:2013
Run #	57	Test Distance (m)	3
Antenna Height(s)	1 to 4(m)		Results
			Pass



Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Antenna Height (meters)	Azimuth (degrees)	Duty Cycle Correction Factor (dB)	External Attenuation (dB)	Polarity/Transducer Type	Detector	Distance Adjustment (dB)	Adjusted (dBuV/m)	Spec. Limit (dBuV/m)	Compared to Spec. (dB)	Comments
2386.167	36.2	-4.4	1.0	336.0	0.0	20.0	Horz	AV	0.0	51.8	54.0	-2.2	EUT Vert, Low Ch, 802.11b 1Mbps
2389.967	35.1	-4.4	1.0	329.0	0.7	20.0	Horz	AV	0.0	51.4	54.0	-2.6	EUT Vert, Low Ch, 802.11n MCS0
2389.933	35.0	-4.4	1.0	307.9	0.8	20.0	Horz	AV	0.0	51.4	54.0	-2.6	EUT Vert, Low Ch, 802.11g 6Mbps
2386.167	35.0	-4.4	1.0	21.0	0.0	20.0	Vert	AV	0.0	50.6	54.0	-3.4	EUT Vert, Low Ch, 802.11b 1Mbps
2386.100	34.4	-4.4	1.0	151.0	0.0	20.0	Horz	AV	0.0	50.0	54.0	-4.0	EUT Horz, Low Ch, 802.11b 1Mbps
2389.950	34.4	-4.4	1.0	329.0	0.0	20.0	Horz	AV	0.0	50.0	54.0	-4.0	EUT Vert, Low Ch, 802.11g 54Mbps
2389.750	34.3	-4.4	1.0	330.9	0.0	20.0	Horz	AV	0.0	49.9	54.0	-4.1	EUT Vert, Low Ch, 802.11g 36Mbps
2389.933	34.2	-4.4	1.0	23.1	0.0	20.0	Vert	AV	0.0	49.8	54.0	-4.2	EUT Vert, Low Ch, 802.11g 6Mbps
2386.100	34.0	-4.4	1.0	226.0	0.0	20.0	Horz	AV	0.0	49.6	54.0	-4.4	EUT On Side, Low Ch, 802.11b 1Mbps
2389.967	33.7	-4.4	1.0	308.9	4.2	20.0	Horz	AV	0.0	49.3	54.0	-4.7	EUT Vert, Low Ch, 802.11n MCS7
2386.267	33.5	-4.4	1.0	275.0	0.0	20.0	Vert	AV	0.0	49.1	54.0	-4.9	EUT Horz, Low Ch, 802.11b 1Mbps
2386.100	33.5	-4.4	1.0	315.9	0.0	20.0	Horz	AV	0.0	49.1	54.0	-4.9	EUT Vert, Low Ch, 802.11b 11Mbps
2487.900	33.3	-4.5	1.2	335.0	0.0	20.0	Vert	AV	0.0	48.8	54.0	-5.2	EUT Vert, Low Ch, 802.11b 1Mbps
2385.917	33.0	-4.4	1.0	337.9	0.0	20.0	Vert	AV	0.0	48.6	54.0	-5.4	EUT Vert, Low Ch, 802.11b 11Mbps
2386.100	32.9	-4.4	1.0	340.0	0.0	20.0	Vert	AV	0.0	48.5	54.0	-5.5	EUT On Side, Low Ch, 802.11b 1Mbps
2488.067	32.6	-4.5	1.0	213.1	0.0	20.0	Horz	AV	0.0	48.1	54.0	-5.9	EUT Vert, High Ch, 802.11b 1Mbps
14471.820	27.1	15.8	4.0	278.0	0.0	0.0	Horz	AV	0.0	42.9	54.0	-11.1	EUT On Side, Low Ch, 802.11b 1Mbps
14472.250	27.0	15.8	1.0	297.0	0.0	0.0	Vert	AV	0.0	42.8	54.0	-11.2	EUT Vert, Low Ch, 802.11b 1Mbps
2388.117	47.2	-4.4	1.0	307.9	0.0	20.0	Horz	PK	0.0	62.8	74.0	-11.2	EUT Vert, Low Ch, 802.11g 6Mbps
2389.850	46.9	-4.4	1.0	329.0	0.0	20.0	Horz	PK	0.0	62.5	74.0	-11.5	EUT Vert, Low Ch, 802.11g 54Mbps
2389.633	46.9	-4.4	1.0	329.0	0.0	20.0	Horz	PK	0.0	62.5	74.0	-11.5	EUT Vert, Low Ch, 802.11n MCS0
7384.883	30.1	12.3	1.7	288.0	0.0	0.0	Vert	AV	0.0	42.4	54.0	-11.6	EUT Vert, High Ch, 802.11b 1Mbps
2389.550	46.6	-4.4	1.0	308.9	0.0	20.0	Horz	PK	0.0	62.2	74.0	-11.8	EUT Vert, Low Ch, 802.11n MCS7
7310.983	30.0	12.0	1.8	136.0	0.0	0.0	Horz	AV	0.0	42.0	54.0	-12.0	EUT On Side, Mid Ch, 802.11b 1Mbps
2388.550	46.2	-4.4	1.0	330.9	0.0	20.0	Horz	PK	0.0	61.8	74.0	-12.2	EUT Vert, Low Ch, 802.11g 36Mbps

Freq	Amplitude	Factor	Antenna Height	Azimuth	Duty Cycle Correction Factor	External Attenuation	Polarity/Transducer Type	Detector	Distance Adjustment	Adjusted	Spec. Limit	Compared to Spec.	
2389.617	45.9	-4.4	1.0	23.1		20.0	Vert	PK	0.0	61.5	74.0	-12.5	EUT Vert, Low Ch, 802.11g 6Mbps
7386.075	29.1	12.3	1.0	77.0	0.0	0.0	Vert	AV	0.0	41.4	54.0	-12.6	EUT Vert, High Ch, 802.11b 11Mbps
7386.008	28.8	12.3	1.0	353.0	0.0	0.0	Vert	AV	0.0	41.1	54.0	-12.9	EUT Vert, High Ch, 802.11g 6Mbps
7383.642	28.7	12.3	1.0	19.0	0.0	0.0	Vert	AV	0.0	41.0	54.0	-13.0	EUT Vert, High Ch, 802.11g 36Mbps
7386.117	28.7	12.3	4.0	15.0	0.0	0.0	Vert	AV	0.0	41.0	54.0	-13.0	EUT Vert, High Ch, 802.11g 54Mbps
7385.917	28.7	12.3	1.0	350.0	0.0	0.0	Vert	AV	0.0	41.0	54.0	-13.0	EUT Vert, High Ch, 802.11n MSC7
7384.983	28.6	12.3	1.0	299.0	0.0	0.0	Horz	AV	0.0	40.9	54.0	-13.1	EUT On Side, High Ch, 802.11b 1Mbps
7311.083	28.9	12.0	1.0	74.0	0.0	0.0	Vert	AV	0.0	40.9	54.0	-13.1	EUT Vert, Mid Ch, 802.11b 1Mbps
7384.483	28.6	12.3	1.0	171.0	0.0	0.0	Vert	AV	0.0	40.9	54.0	-13.1	EUT Vert, High Ch, 802.11n MSC0
2385.783	45.2	-4.4	1.0	337.9		20.0	Vert	PK	0.0	60.8	74.0	-13.2	EUT Vert, Low Ch, 802.11b 11Mbps
2386.083	45.1	-4.4	1.0	336.0		20.0	Horz	PK	0.0	60.7	74.0	-13.3	EUT Vert, Low Ch, 802.11b 1Mbps
2386.017	45.1	-4.4	1.0	315.9		20.0	Horz	PK	0.0	60.7	74.0	-13.3	EUT Vert, Low Ch, 802.11b 11Mbps
2387.100	45.0	-4.4	1.0	21.0		20.0	Vert	PK	0.0	60.6	74.0	-13.4	EUT Vert, Low Ch, 802.11b 1Mbps
2486.217	45.0	-4.5	1.2	335.0		20.0	Vert	PK	0.0	60.5	74.0	-13.5	EUT Vert, High Ch, 802.11b 1Mbps
2386.317	44.5	-4.4	1.0	151.0		20.0	Horz	PK	0.0	60.1	74.0	-13.9	EUT Horz, Low Ch, 802.11b 1Mbps
2385.750	44.3	-4.4	1.0	275.0		20.0	Vert	PK	0.0	59.9	74.0	-14.1	EUT Horz, Low Ch, 802.11b 1Mbps
2387.483	44.0	-4.4	1.0	226.0		20.0	Horz	PK	0.0	59.6	74.0	-14.4	EUT On Side, Low Ch, 802.11b 1Mbps
2488.233	43.9	-4.5	1.0	213.1		20.0	Horz	PK	0.0	59.4	74.0	-14.6	EUT Vert, High Ch, 802.11b 1Mbps
2387.900	43.6	-4.4	1.0	340.0		20.0	Vert	PK	0.0	59.2	74.0	-14.8	EUT On Side, Low Ch, 802.11b 1Mbps
9847.967	48.3	-11.2	3.9	67.0	0.0	0.0	Vert	AV	0.0	37.1	54.0	-16.9	EUT Vert, High Ch, 802.11b 1Mbps
9847.967	48.0	-11.2	2.7	41.0	0.0	0.0	Horz	AV	0.0	36.8	54.0	-17.2	EUT On Side, High Ch, 802.11b 1Mbps
9847.983	46.8	-11.2	2.2	110.0	0.0	0.0	Horz	AV	0.0	35.6	54.0	-18.4	EUT Vert, High Ch, 802.11b 1Mbps
9848.000	46.3	-11.2	3.3	129.0	0.0	0.0	Horz	AV	1.0	35.1	54.0	-18.9	EUT Horz, High Ch, 802.11b 1Mbps
9848.000	45.5	-11.2	2.2	49.0	0.0	0.0	Vert	AV	0.0	34.3	54.0	-19.7	EUT Horz, High Ch, 802.11b 1Mbps
14470.780	38.3	15.8	4.0	278.0		0.0	Horz	PK	0.0	54.1	74.0	-19.9	EUT On Side, Low Ch, 802.11b 1Mbps
4828.783	29.8	4.2	1.0	274.0	0.0	0.0	Vert	AV	0.0	34.0	54.0	-20.0	EUT Vert, Low Ch, 802.11b 1Mbps
4869.317	29.9	4.0	1.0	109.0	0.0	0.0	Vert	AV	0.0	33.9	54.0	-20.1	EUT Vert, Mid Ch, 802.11b 1Mbps
4869.617	29.7	4.0	1.0	234.0	0.0	0.0	Horz	AV	0.0	33.7	54.0	-20.3	EUT On Side, Mid Ch, 802.11b 1Mbps
4828.733	29.5	4.2	1.0	146.0	0.0	0.0	Horz	AV	0.0	33.7	54.0	-20.3	EUT On Side, Low Ch, 802.11b 1Mbps
14470.690	37.9	15.8	1.0	297.0		0.0	Vert	PK	0.0	53.7	74.0	-20.3	EUT Vert, Low Ch, 802.11b 1Mbps
4923.917	29.7	3.9	2.2	63.0	0.0	0.0	Horz	AV	0.0	33.6	54.0	-20.4	EUT On Side, High Ch, 802.11b 1Mbps
4923.900	29.5	3.9	1.0	194.0	0.0	0.0	Vert	AV	0.0	33.4	54.0	-20.6	EUT Vert, High Ch, 802.11b 1Mbps
7386.883	40.5	12.3	1.7	288.0		0.0	Vert	PK	0.0	52.8	74.0	-21.2	EUT Vert, High Ch, 802.11b 1Mbps
7385.292	40.5	12.3	1.0	171.0		0.0	Vert	PK	0.0	52.8	74.0	-21.2	EUT Vert, High Ch, 802.11n MSC0
7386.358	40.2	12.3	1.0	77.0		0.0	Vert	PK	0.0	52.5	74.0	-21.5	EUT Vert, High Ch, 802.11b 11Mbps
9847.950	43.4	-11.2	1.0	80.0	0.0	0.0	Vert	AV	0.0	32.2	54.0	-21.8	EUT On Side, High Ch, 802.11b 1Mbps
7384.858	39.8	12.3	1.0	353.0		0.0	Vert	PK	0.0	52.1	74.0	-21.9	EUT Vert, High Ch, 802.11g 6Mbps
7385.608	39.7	12.3	4.0	15.0		0.0	Vert	PK	0.0	52.0	74.0	-22.0	EUT Vert, High Ch, 802.11g 54Mbps
7311.250	39.8	12.0	1.8	136.0		0.0	Horz	PK	0.0	51.8	74.0	-22.2	EUT On Side, Mid Ch, 802.11b 1Mbps
7386.958	39.5	12.3	1.0	19.0		0.0	Vert	PK	0.0	51.8	74.0	-22.2	EUT Vert, High Ch, 802.11g 36Mbps
7388.158	39.4	12.3	1.0	350.0		0.0	Vert	PK	0.0	51.7	74.0	-22.3	EUT Vert, High Ch, 802.11n MSC7
7386.067	39.3	12.3	1.0	299.0		0.0	Horz	PK	0.0	51.6	74.0	-22.4	EUT On Side, High Ch, 802.11b 1Mbps
7306.550	39.6	12.0	1.0	74.0		0.0	Vert	PK	0.0	51.6	74.0	-22.4	EUT Vert, Mid Ch, 802.11b 1Mbps
12309.950	31.2	-0.5	1.0	120.0	0.0	0.0	Horz	AV	0.0	30.7	54.0	-23.3	EUT On Side, High Ch, 802.11b 1Mbps
12312.330	31.0	-0.5	1.0	264.0	0.0	0.0	Vert	AV	0.0	30.5	54.0	-23.5	EUT Vert, High Ch, 802.11b 1Mbps
12181.080	30.5	-0.3	1.0	333.0	0.0	0.0	Vert	AV	0.0	30.2	54.0	-23.8	EUT Vert, Mid Ch, 802.11b 1Mbps
12181.930	30.3	-0.3	1.0	233.0	0.0	0.0	Horz	AV	0.0	30.0	54.0	-24.0	EUT On Side, Mid Ch, 802.11b 1Mbps
12064.250	30.1	-1.4	1.0	349.0	0.0	0.0	Vert	AV	0.0	28.7	54.0	-25.3	EUT Vert, Low Ch, 802.11b 1Mbps
12064.880	30.1	-1.4	1.0	262.0	0.0	0.0	Horz	AV	0.0	28.7	54.0	-25.3	EUT On Side, Low Ch, 802.11b 1Mbps
4823.733	40.8	4.2	1.0	274.0		0.0	Vert	PK	0.0	45.0	74.0	-29.0	EUT Vert, Low Ch, 802.11b 1Mbps
4921.367	40.8	3.9	2.2	63.0	0.0	0.0	Horz	PK	0.0	44.7	74.0	-29.3	EUT On Side, High Ch, 802.11b 1Mbps
4875.200	40.7	4.0	1.0	109.0		0.0	Vert	PK	0.0	44.7	74.0	-29.3	EUT Vert, Mid Ch, 802.11b 1Mbps
4874.750	40.6	4.0	1.0	234.0		0.0	Horz	PK	0.0	44.6	74.0	-29.4	EUT On Side, Mid Ch, 802.11b 1Mbps
4827.917	40.4	4.2	1.0	146.0		0.0	Horz	PK	0.0	44.6	74.0	-29.4	EUT On Side, Low Ch, 802.11b 1Mbps
4920.417	40.5	3.9	1.0	194.0		0.0	Vert	PK	0.0	44.4	74.0	-29.6	EUT Vert, High Ch, 802.11b 1Mbps
9847.767	54.8	-11.2	3.9	67.0	0.0	0.0	Vert	PK	0.0	43.6	74.0	-30.4	EUT Vert, High Ch, 802.11b 1Mbps
12185.800	43.7	-0.3	1.0	333.0		0.0	Vert	PK	0.0	43.4	74.0	-30.6	EUT Vert, Mid Ch, 802.11b 1Mbps
9848.167	54.1	-11.2	2.7	41.0	0.0	0.0	Horz	PK	0.0	42.9	74.0	-31.1	EUT On Side, High Ch, 802.11b 1Mbps
12313.770	42.4	-0.5	1.0	264.0		0.0	Vert	PK	0.0	41.9	74.0	-32.1	EUT Vert, High Ch, 802.11b 1Mbps
9848.167	53.0	-11.2	2.2	110.0	0.0	0.0	Horz	PK	0.0	41.8	74.0	-32.2	EUT Vert, High Ch, 802.11b 1Mbps
9848.083	52.9	-11.2	3.3	129.0	0.0	0.0	Horz	PK	0.0	41.7	74.0	-32.3	EUT Horz, High Ch, 802.11b 1Mbps
12313.050	42.0	-0.5	1.0	120.0		0.0	Horz	PK	0.0	41.5	74.0	-32.5	EUT On Side, High Ch, 802.11b 1Mbps
9848.017	52.7	-11.2	2.2	49.0	0.0	0.0	Vert	PK	0.0	41.5	74.0	-32.5	EUT Horz, High Ch, 802.11b 1Mbps
12184.320	41.4	-0.3	1.0	233.0		0.0	Horz	PK	0.0	41.1	74.0	-32.9	EUT On Side, Mid Ch, 802.11b 1Mbps
9848.283	51.7	-11.2	1.0	80.0	0.0	0.0	Vert	PK	0.0	40.5	74.0	-33.5	EUT On Side, High Ch, 802.11b 1Mbps
12063.620	41.3	-1.4	1.0	262.0		0.0	Horz	PK	0.0	39.9	74.0	-34.1	EUT On Side, Low Ch, 802.11b 1Mbps
12057.870	41.3	-1.5	1.0	349.0		0.0	Vert	PK	0.0	39.8	74.0	-34.2	EUT Vert, Low Ch, 802.11b 1Mbps