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TEST REPORT

SCOPE OF WORK:
47 CFR FCC Part 15.247 – Radio Spectrum report

Model:
FBP206

REPORT NUMBER
220500397THC-001

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Radio Spectrum
TEST REPORT

Applicant:	**Dynascan Technology Corp.** **6F., No. 88, Wenmao Rd., Guishan Dist., Taoyuan City 333001, Taiwan**
Product:	**Digital Transmission Systems**
Model No.:	**FBP206**
FCC ID:	**2AKWYFBP206**
Test Method/ Standard:	**47 CFR FCC Part 15.247 & ANSI C63.10 2013** **KDB 558074 D01 v05r02**
Test By:	**Intertek Testing Services Taiwan Ltd.,** **Hsinchu Laboratory** **No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li,** **Shiang-Shan District, Hsinchu City, Taiwan**

Testing Laboratory
0597

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Reviewer

Revision History

Report No.	Issue Date	Revision Summary
220500397THC-001	Jul. 25, 2022	Original report

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Summary of Test Data

Test Requirement	Applicable Rule (Section 15.247)	Result
Minimum 6 dB Bandwidth	15.247(a)(2)	Pass
Maximum Peak Conducted Output Power	15.247(b)(3)	Pass
Power Spectral Density	15.247(e)	Pass
Emissions In Non-Restricted Frequency Bands	15.247(d)	Pass
Emissions In Restricted Frequency Bands (Radiated emission measurements)	15.247(d), 15.205, 15.209	Pass
Emission On The Band Edge	15.247(d), 15.205	Pass
AC Power Line Conducted Emission	15.207	Pass
Antenna Requirement	15.203	Pass

Note: Please note that the test results with statement of conformity, the decision rules which are based on: Safety Testing: the specification, standard or IEC Guide 115.
Other Testing: the specification, standard and not taking into account the measurement uncertainty.

1. General Information

1.1 Identification of the EUT

Product:	Digital Transmission System
Model No.:	FBP206
Operating Frequency:	2412MHz ~ 2462MHz for 802.11b/g/n HT20 2422MHz ~ 2452MHz for 802.11n HT40
Channel Number:	11 channels for 2412MHz ~ 2462MHz 7 channels for 2422MHz ~ 2452MHz
Access scheme:	DSSS, OFDM
Rated Power:	DC 3.3V
Power Cord:	N/A
Sample receiving date:	2022/05/30
Sample condition:	Workable
Test Date(s):	2022/06/14 ~ 2022/07/04

1.2 Description of the EUT

Modulation mode	Transmit path			
	Chain 0	Chain 1	Chain 2	Chain 3
802.11b	V	V	V	V
802.11g	V	V	V	V
802.11 n (HT20)	V	V	V	V
802.11 n (HT40)	V	V	V	V

Item	Product name	Model No.	Rated Power
Host	Display	65512	100-240V~ 50-60Hz 4A

1.3 Antenna description

For antenna 0 (Chain 0)

Antenna Gain : -3.04 dBi
Antenna Type : PIFA antenna
Connector Type : I-pex

For antenna 1 (Chain 1)

Antenna Gain : -3.04 dBi
Antenna Type : PIFA antenna
Connector Type : I-pex

For antenna 2 (Chain 2)

Antenna Gain : -3.04 dBi
Antenna Type : PIFA antenna
Connector Type : I-pex

For antenna 3 (Chain 3)

Antenna Gain : -3.04 dBi
Antenna Type : PIFA antenna
Connector Type : I-pex

1.4 Operation mode

Power on, executing “WLAN Test Tool V2.3.0” to select different frequency and modulation.

With individual verifying, the maximum output power were found out 1 Mbps data rate for 802.11b mode, 6 Mbps data rate for 802.11g mode, 6.5 Mbps data rate for 802.11n(HT20) mode , 13.5 Mbps data rate for 802.11n(HT40) mode the final tests were executed under these conditions recorded in this report individually.

Mode	Channel	Frequency (MHz)	Data rate	Signal on time(ms)	Signal transmit on+off time(ms)	Duty cycle	Duty Cycle factor
802.11b	6	2437	1	12.18	12.67	0.96	0.34
802.11g	6	2437	6	2.01	2.53	0.79	2.01
802.11n (HT20)	6	2437	6.5	1.87	2.39	0.78	2.12
802.11n (HT40)	6	2437	13.5	0.90	1.43	0.63	4.08

1.5 Peripherals equipment

Peripherals	Brand	Model No.	Description of Data Cable
Notebook PC	HP	HSTNN-Q96C	Shielded HDMI cable 1.5m x 2
Earphone	i Coby	M80	Unshielded audio 3.5mm cable 2m x 1
Earphone	i Coby	M80	Unshielded audio 3.5mm cable 2m x 1
USB flash drive	Kingston	DTSE9G2/8GB	N/A
USB flash drive	Kingston	DTSE9G2/8GB	N/A
Wireless AP	BUFFALO	WZR-AGL300NH	N/A

2. Minimum 6 dB Bandwidth

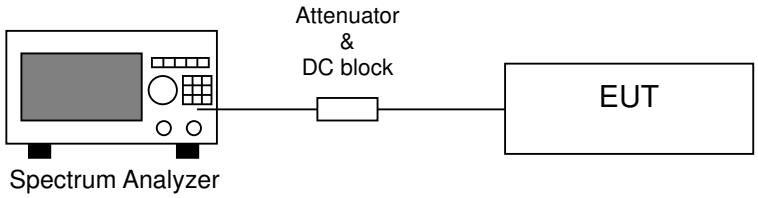
2.1 Instrument Setting

Spectrum Parameter	Setting
Detector	Peak
RBW	100kHz
VBW	≧3 x RBW
Sweep	Auto couple
Trace	Allow the trace to stabilize.
Span	Between two times and five times the occupied bandwidth
Attenuation	Auto

2.2 Test Procedure

Step 1	The transmitter output was connected to the spectrum analyzer.
Step 2	Test was performed accordance with ANSI C63.10.
Step 3	Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

2.3 Test Diagram



2.4 Limit

The minimum 6 dB bandwidth shall be at least 500 kHz.

2.5 Test Results

Temperature (℃) :	29
Relative Humidity (%) :	55
Test date :	2022/06/23 ~ 2022/07/04

Chain 0

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	1	2412	10.07	>0.5	Pass
	6	2437	10.07	>0.5	Pass
	11	2462	10.05	>0.5	Pass
802.11g	1	2412	16.11	>0.5	Pass
	6	2437	16.28	>0.5	Pass
	11	2462	16.29	>0.5	Pass
802.11n(HT20)	1	2412	16.92	>0.5	Pass
	6	2437	15.90	>0.5	Pass
	11	2462	16.52	>0.5	Pass
802.11n(HT40)	3	2422	35.42	>0.5	Pass
	6	2437	35.15	>0.5	Pass
	9	2452	34.06	>0.5	Pass

Chain 1

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	1	2412	10.09	>0.5	Pass
	6	2437	9.62	>0.5	Pass
	11	2462	10.08	>0.5	Pass
802.11g	1	2412	15.93	>0.5	Pass
	6	2437	15.72	>0.5	Pass
	11	2462	15.67	>0.5	Pass
802.11n(HT20)	1	2412	17.01	>0.5	Pass
	6	2437	16.56	>0.5	Pass
	11	2462	15.82	>0.5	Pass
802.11n(HT40)	3	2422	34.72	>0.5	Pass
	6	2437	35.11	>0.5	Pass
	9	2452	35.10	>0.5	Pass

Chain 2

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	1	2412	10.10	>0.5	Pass
	6	2437	10.11	>0.5	Pass
	11	2462	10.09	>0.5	Pass
802.11g	1	2412	15.09	>0.5	Pass
	6	2437	16.01	>0.5	Pass
	11	2462	15.72	>0.5	Pass
802.11n(HT20)	1	2412	16.54	>0.5	Pass
	6	2437	15.03	>0.5	Pass
	11	2462	16.40	>0.5	Pass
802.11n(HT40)	3	2422	35.08	>0.5	Pass
	6	2437	35.12	>0.5	Pass
	9	2452	34.20	>0.5	Pass

Chain 3

Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b	1	2412	10.06	>0.5	Pass
	6	2437	10.07	>0.5	Pass
	11	2462	10.10	>0.5	Pass
802.11g	1	2412	16.36	>0.5	Pass
	6	2437	15.73	>0.5	Pass
	11	2462	15.07	>0.5	Pass
802.11n(HT20)	1	2412	16.08	>0.5	Pass
	6	2437	15.39	>0.5	Pass
	11	2462	15.40	>0.5	Pass
802.11n(HT40)	3	2422	33.78	>0.5	Pass
	6	2437	35.01	>0.5	Pass
	9	2452	34.99	>0.5	Pass

Chain0 : 6dB Bandwidth @ 802.11b Mode Ch 1

Chain0 : 6dB Bandwidth @ 802.11b Mode Ch 6

Chain0 : 6dB Bandwidth @ 802.11b Mode Ch11

Chain1 : 6dB Bandwidth @ 802.11b Mode Ch 1

Chain1 : 6dB Bandwidth @ 802.11b Mode Ch 6

Chain1 : 6dB Bandwidth @ 802.11b Mode Ch11

Chain2 : 6dB Bandwidth @ 802.11b Mode Ch 1

Chain2 : 6dB Bandwidth @ 802.11b Mode Ch 6

Chain2 : 6dB Bandwidth @ 802.11b Mode Ch11

Chain3 : 6dB Bandwidth @ 802.11b Mode Ch 1

Chain3 : 6dB Bandwidth @ 802.11b Mode Ch 6

Chain3 : 6dB Bandwidth @ 802.11b Mode Ch11

Chain0 : 6dB Bandwidth @ 802.11g Mode Ch 1

Chain0 : 6dB Bandwidth @ 802.11g Mode Ch 6

Chain0 : 6dB Bandwidth @ 802.11g Mode Ch11

Chain1 : 6dB Bandwidth @ 802.11g Mode Ch 1

Chain1 : 6dB Bandwidth @ 802.11g Mode Ch 6

Chain1 : 6dB Bandwidth @ 802.11g Mode Ch11

Chain2 : 6dB Bandwidth @ 802.11g Mode Ch 1

Chain2 : 6dB Bandwidth @ 802.11g Mode Ch 6

Chain2 : 6dB Bandwidth @ 802.11g Mode Ch11

Chain3 : 6dB Bandwidth @ 802.11g Mode Ch 1

Chain3 : 6dB Bandwidth @ 802.11g Mode Ch 6

Chain3 : 6dB Bandwidth @ 802.11g Mode Ch11

Chain0 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch 1

Chain0 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch 6

Chain0 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch11

Chain1 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch 1

Chain1 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch 6

Chain1 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch11

Chain2 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch 1

Chain2 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch 6

Chain2 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch11

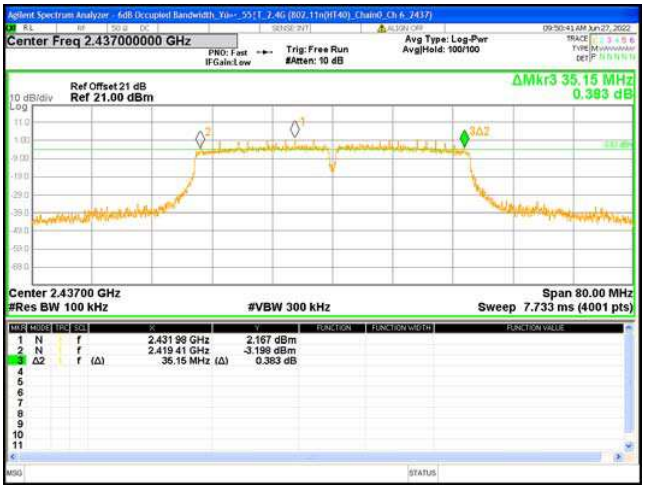
Chain3 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch 1

Chain3 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch 6

Chain3 : 6dB Bandwidth @ 802.11n(HT20) Mode Ch11

Chain0 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 3

Chain0 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 6



Chain0 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 9

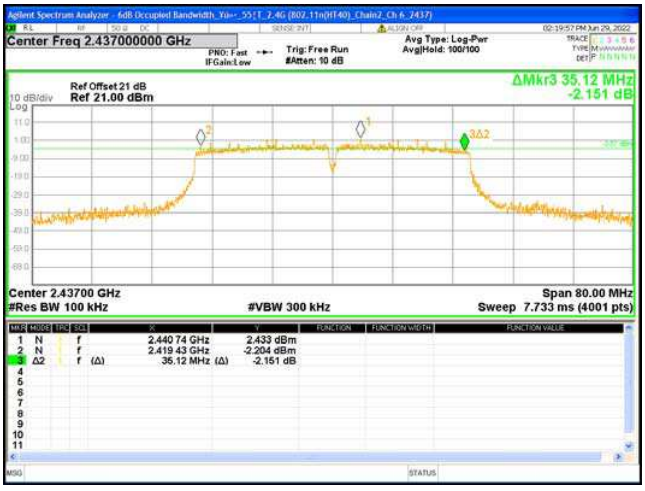
Chain1 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 3

Chain1 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 6

Chain1 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 9

Chain2 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 3

Chain2 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 6

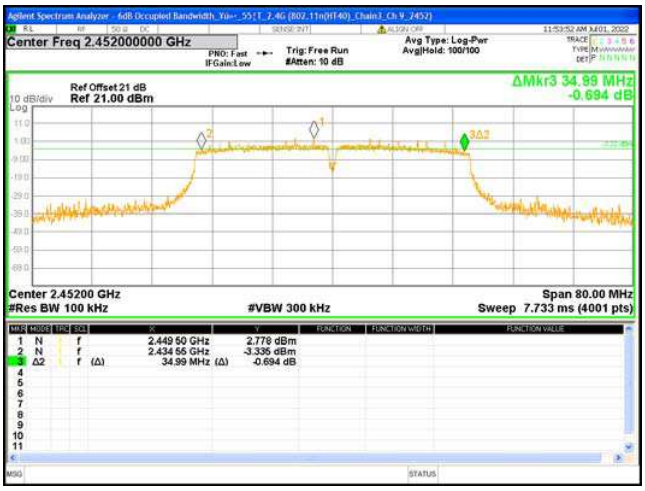


Chain2 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 9

Chain3 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 3

Chain3 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 6

Chain3 : 6dB Bandwidth @ 802.11n(HT40) Mode Ch 9



3. Maximum Peak Conducted Output Power

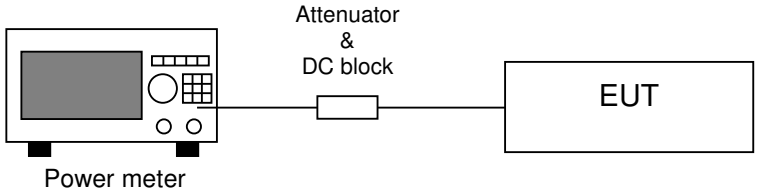
3.1 Instrument Setting

Power Meter Parameter	Setting
Bandwidth	65MHz bandwidth is greater than the EUT emission bandwidth
Detector	Peak & Average

3.2Test Procedure

The preferred methodology is to use integrated average power measurements, as described in 11.9.2 and 11.13.3 of ANSI C63.10. The peak integrated band power methods of 11.9.1.2 and 11.13.3.2 of ANSI C63.10 are not applicable for FCC compliance testing purposes.

3.3 Test Diagram



3.4 Limit

For systems using digital modulation in the 2400-2483.5 MHz: 1 Watt (30dBm)

3.5 Test Results

Temperature (℃) :	29
Relative Humidity (%) :	55
Test date :	2022/06/23 ~ 2022/07/04

Chain 0+1+2+3

Mode	Channel	Frequency (MHz)	Output Power (dBm)							
			Chian 0		Chain 1		Chian 2		Chain 3	
			AV	PK	AV	PK	AV	PK	AV	PK
802.11b	1	2412	18.44	20.52	17.55	19.52	18.45	20.41	17.31	19.20
	6	2437	18.15	20.19	16.95	18.34	17.76	19.58	16.63	18.52
	11	2462	18.50	20.47	16.43	18.42	18.33	20.26	16.13	18.12
802.11g	1	2412	14.39	23.24	13.63	22.41	14.00	23.11	13.42	22.36
	6	2437	13.87	22.78	12.99	21.70	13.45	22.38	12.62	21.79
	11	2462	13.77	22.89	12.40	21.36	13.27	22.37	11.94	21.20
802.11n(HT20)	1	2412	15.67	22.82	15.00	22.76	15.38	22.87	14.76	21.46
	6	2437	15.00	22.57	14.09	21.77	14.62	22.08	14.00	21.21
	11	2462	15.20	22.75	14.08	21.83	15.07	22.26	13.87	21.57
802.11n(HT40)	3	2422	15.59	22.69	14.59	21.74	15.21	23.43	14.38	22.51
	6	2437	15.01	22.96	14.33	20.99	14.79	22.19	13.97	21.21
	9	2452	15.77	23.45	14.73	21.96	15.54	22.95	14.46	22.06

Mode	Channel	Frequency (MHz)	Total Power				Limit (dBm)	Margin (dB)
			AV		PK			
			mW	dBm	mW	dBm		
802.11b	1	2412	250.52	23.99	395.33	25.97	30.00	-4.03
	6	2437	220.59	23.44	334.61	25.25	30.00	-4.75
	11	2462	223.85	23.50	351.96	25.46	30.00	-4.54
802.11g	1	2412	97.64	19.90	761.87	28.82	30.00	-1.18
	6	2437	84.70	19.28	661.57	28.21	30.00	-1.79
	11	2462	78.07	18.92	635.72	28.03	30.00	-1.97
802.11n(HT20)	1	2412	132.96	21.24	713.83	28.54	30.00	-1.46
	6	2437	111.36	20.47	624.60	27.96	30.00	-2.04
	11	2462	115.21	20.62	652.59	28.15	30.00	-1.85
802.11n(HT40)	3	2422	125.60	20.99	733.59	28.65	30.00	-1.35
	6	2437	113.87	20.56	621.01	27.93	30.00	-2.07
	9	2452	131.21	21.18	736.28	28.67	30.00	-1.33

4. Power Spectral Density

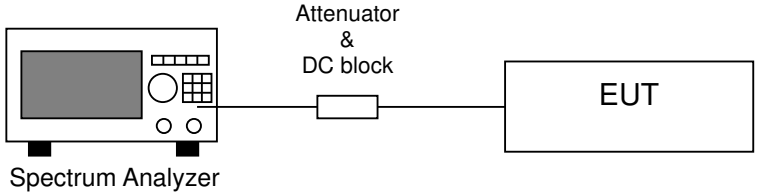
4.1 Instrument Setting

Spectrum Function	Setting
Detector	Peak
RBW	≧3 kHz
VBW	≧3 x RBW
Sweep	Auto couple
Trace	Max hold
Span	1.5 times x 6dB bandwidth
Attenuation	Auto

4.2 Test Procedure

Step 1	Test procedure refer to subclause 11.10 of ANSI C63.10.
Step 2	Using the maximum conducted output power in the fundamental emission demonstrates compliance. The EUT must be configured to transmit continuously at full power over the measurement duration.
Step 3	Use the peak marker function to determine the maximum amplitude level within the RBW.

4.3 Test Diagram



4.4 Limit

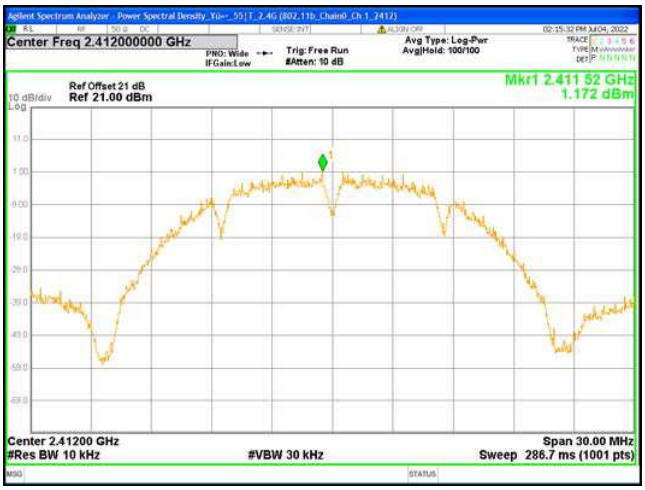
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 10 kHz band during any time interval of continuous transmission

4.5 Test Results

Temperature (℃) :	29
Relative Humidity (%) :	55
Test date :	2022/06/23 ~ 2022/07/04

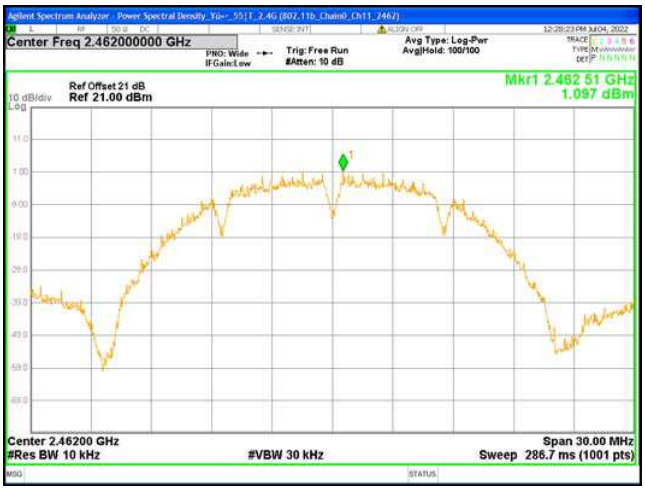
Mode	Channel	Frequency (MHz)	PSD (dBm)				Total PSD		Limit (dBm)	Margin (dB)
			Chain0	Chain1	Chain2	Chain3	mW	dBm		
802.11b (Chain0+1+2+3)	1	2412	1.172	0.109	0.912	-0.169	4.531	6.562	8	-1.438
	6	2437	0.853	-0.781	0.621	-0.578	4.082	6.108	8	-1.892
	11	2462	1.097	-0.834	1.011	-0.992	4.171	6.202	8	-1.798
802.11g (Chain0+1+2+3)	1	2412	-2.701	-2.006	-2.475	-1.992	2.365	3.738	8	-4.262
	6	2437	-2.982	-2.556	-2.942	-2.584	2.118	3.259	8	-4.741
	11	2462	-1.178	-1.331	-1.268	-1.373	2.974	4.734	8	-3.266
802.11n(HT20) (Chain0+1+2+3)	1	2412	-3.438	-3.755	-3.194	-3.806	1.770	2.479	8	-5.521
	6	2437	-4.606	-4.324	-3.656	-4.217	1.525	1.834	8	-6.166
	11	2462	-1.886	-2.709	-1.330	-2.700	2.457	3.904	8	-4.096
802.11n(HT40) (Chain0+1+2+3)	3	2422	-6.252	-7.128	-6.084	-7.244	0.866	-0.626	8	-8.626
	6	2437	-6.651	-7.724	-6.514	-7.744	0.776	-1.099	8	-9.099
	9	2452	-4.581	-5.349	-4.623	-5.887	1.243	0.944	8	-7.056

Chain0 : Power Spectral Density @ 802.11b Mode Ch 1

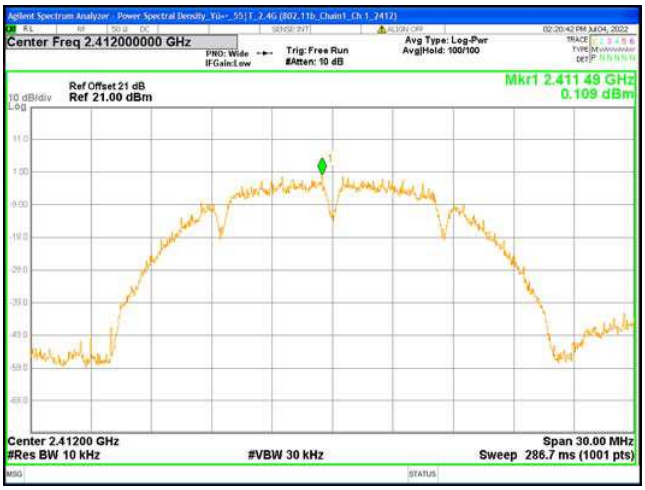


Chain0 : Power Spectral Density @ 802.11b Mode Ch 6

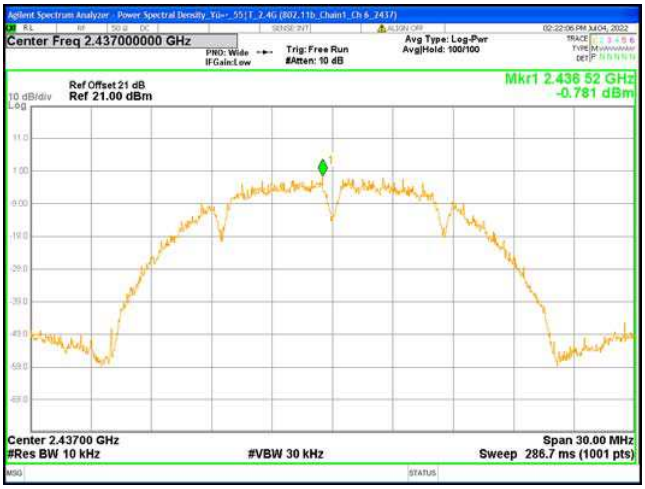
Chain0 : Power Spectral Density @ 802.11b Mode Ch11



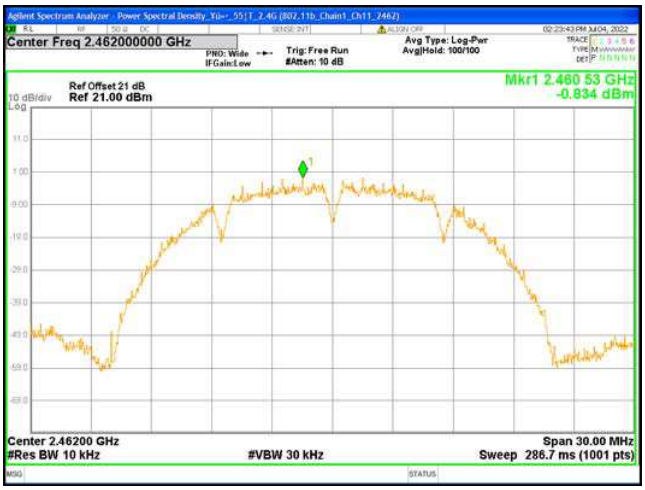
Chain1 : Power Spectral Density @ 802.11b Mode Ch 1



Chain1 : Power Spectral Density @ 802.11b Mode Ch 6



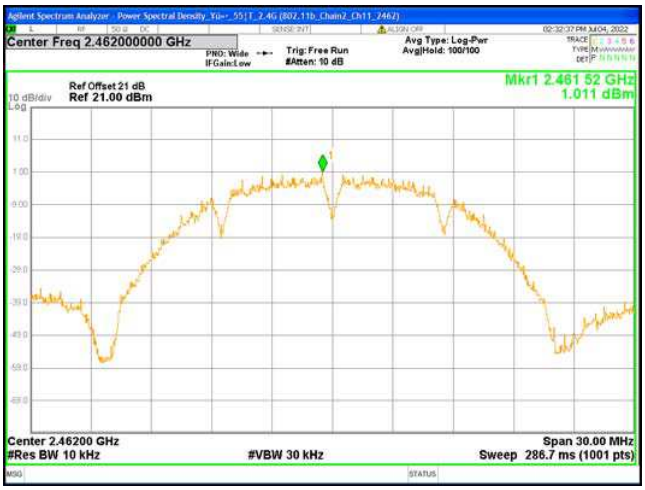
Chain1 : Power Spectral Density @ 802.11b Mode Ch11



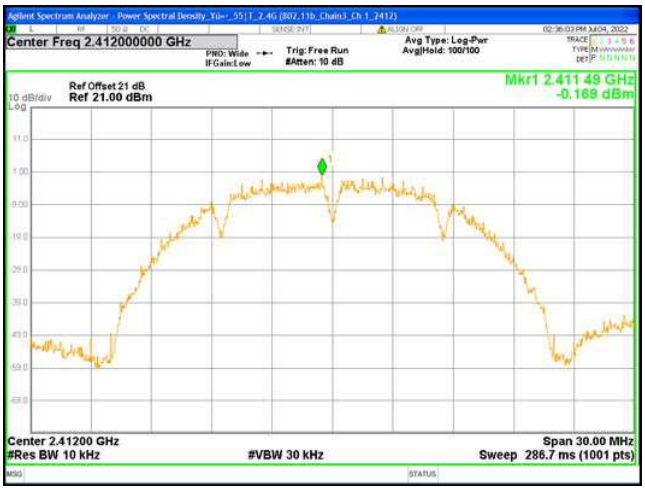
Chain2 : Power Spectral Density @ 802.11b Mode Ch 1

Chain2 : Power Spectral Density @ 802.11b Mode Ch 6

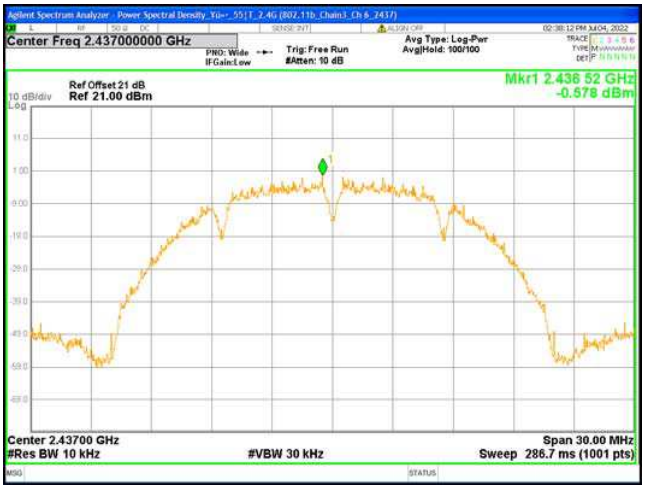
Chain2 : Power Spectral Density @ 802.11b Mode Ch11



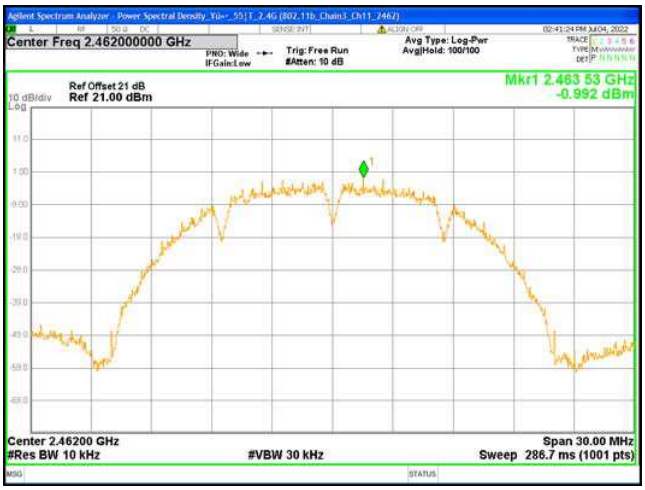
Chain3 : Power Spectral Density @ 802.11b Mode Ch 1



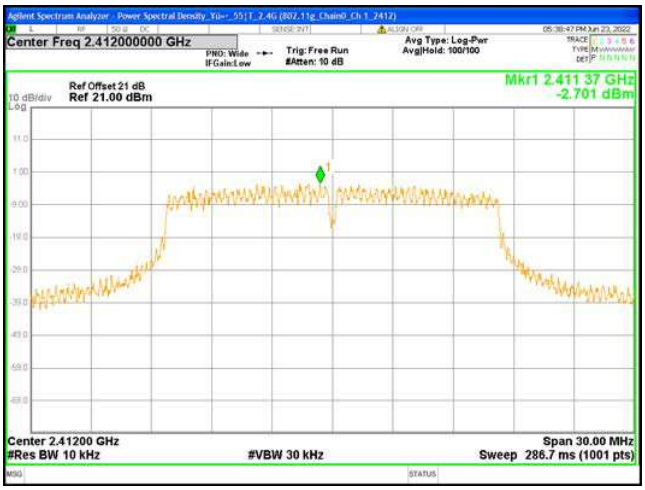
Chain3 : Power Spectral Density @ 802.11b Mode Ch 6



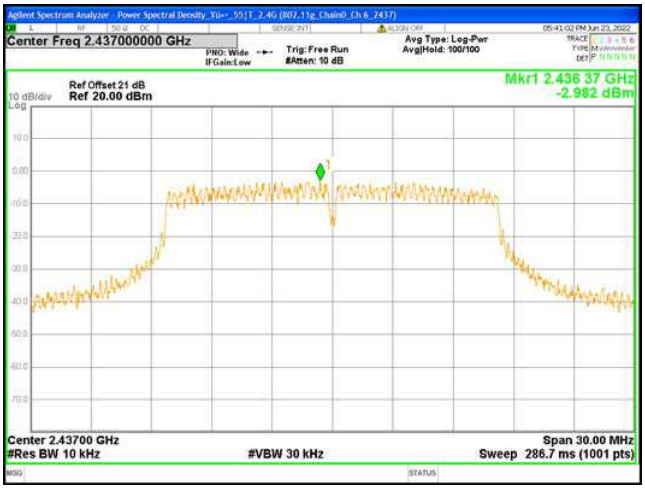
Chain3 : Power Spectral Density @ 802.11b Mode Ch11



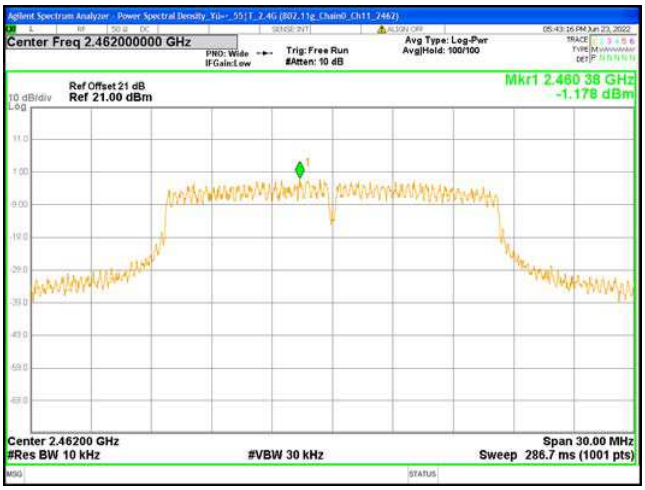
Chain0 : Power Spectral Density @ 802.11g Mode Ch 1



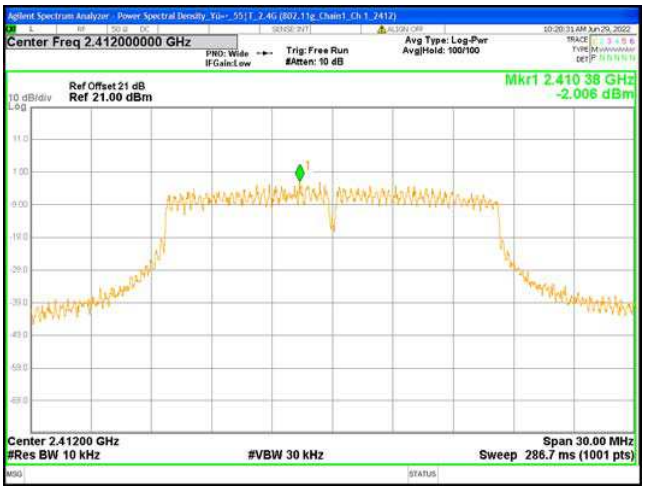
Chain0 : Power Spectral Density @ 802.11g Mode Ch 6



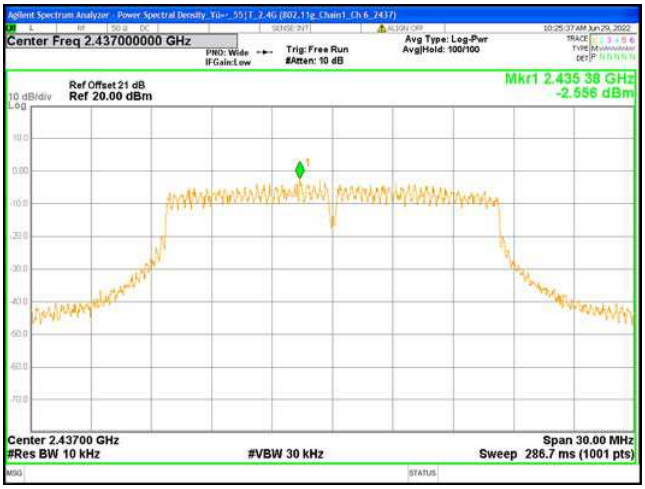
Chain0 : Power Spectral Density @ 802.11g Mode Ch11



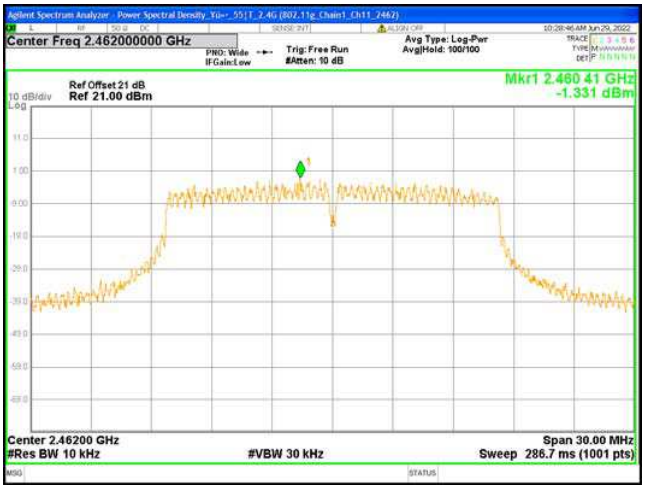
Chain1 : Power Spectral Density @ 802.11g Mode Ch 1



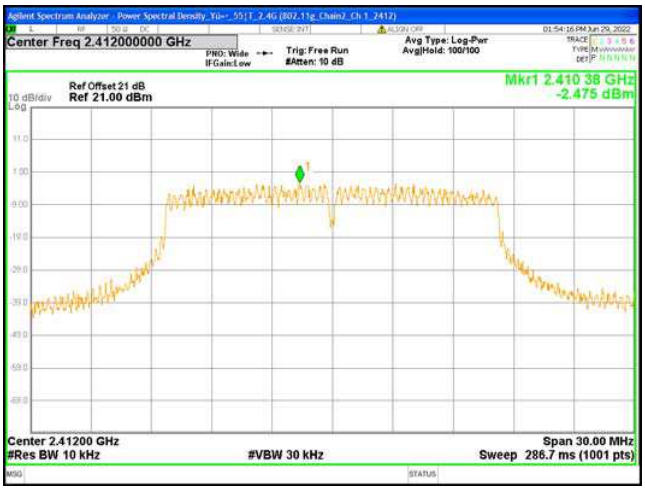
Chain1 : Power Spectral Density @ 802.11g Mode Ch 6



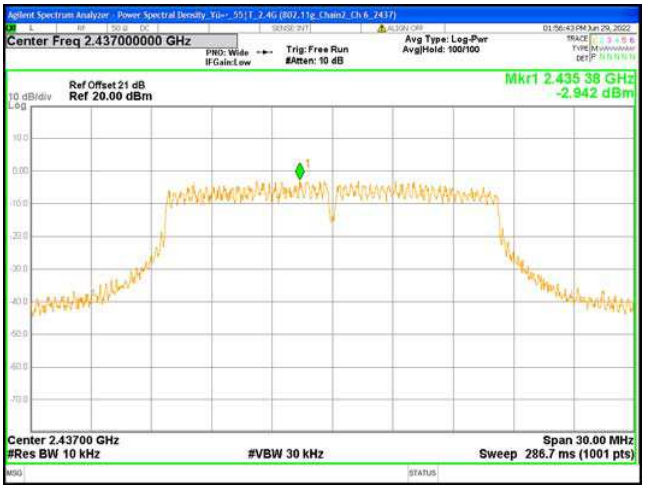
Chain1 : Power Spectral Density @ 802.11g Mode Ch11



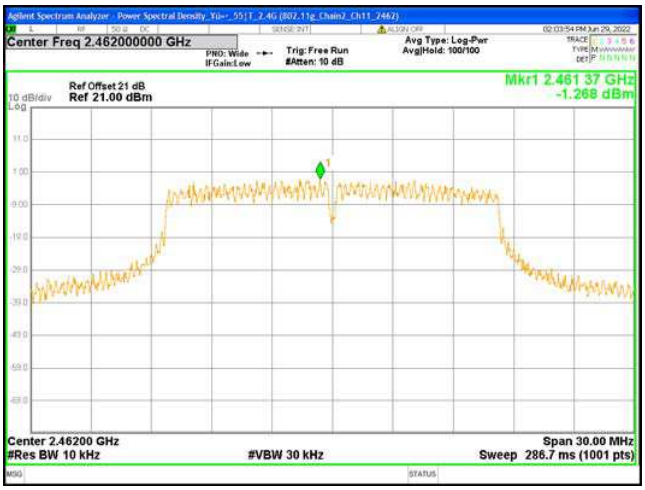
Chain2 : Power Spectral Density @ 802.11g Mode Ch 1



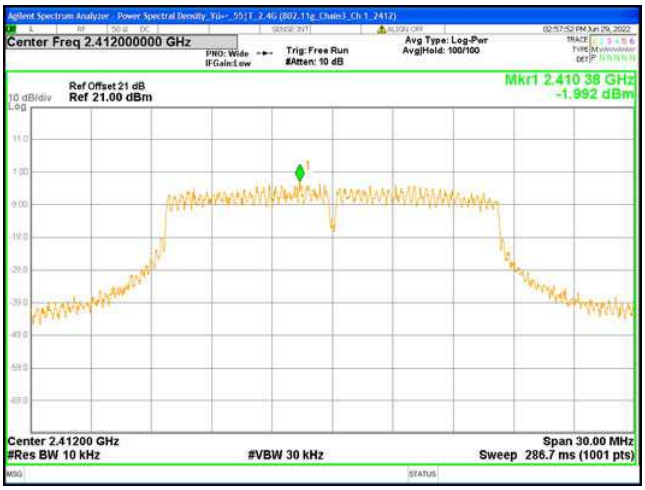
Chain2 : Power Spectral Density @ 802.11g Mode Ch 6



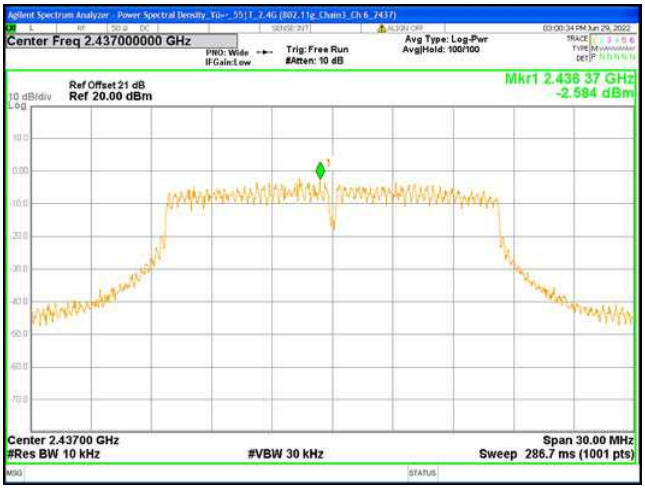
Chain2 : Power Spectral Density @ 802.11g Mode Ch11



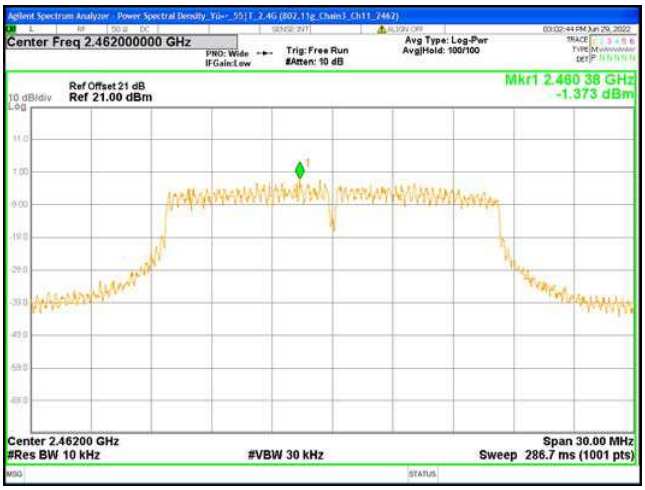
Chain3 : Power Spectral Density @ 802.11g Mode Ch 1



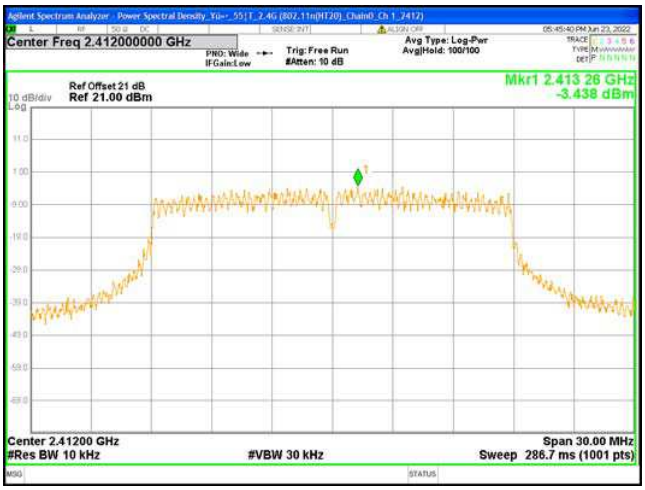
Chain3 : Power Spectral Density @ 802.11g Mode Ch 6



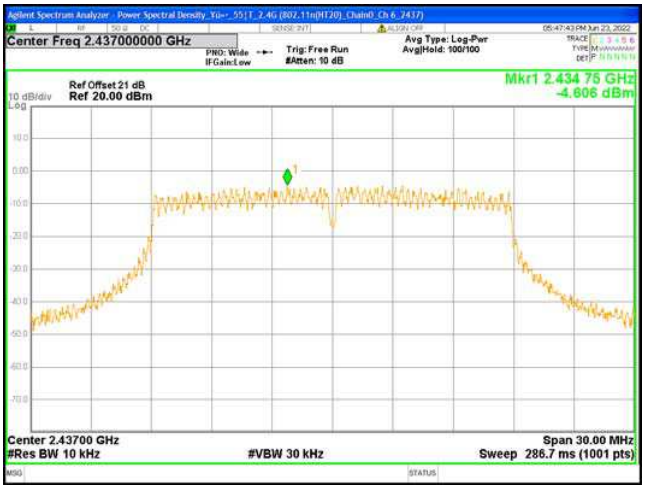
Chain3 : Power Spectral Density @ 802.11g Mode Ch11



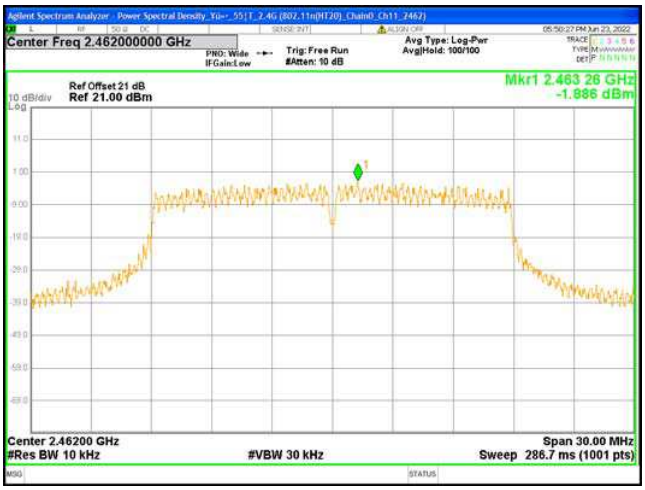
Chain0 : Power Spectral Density @ 802.11n(HT20) Mode Ch 1



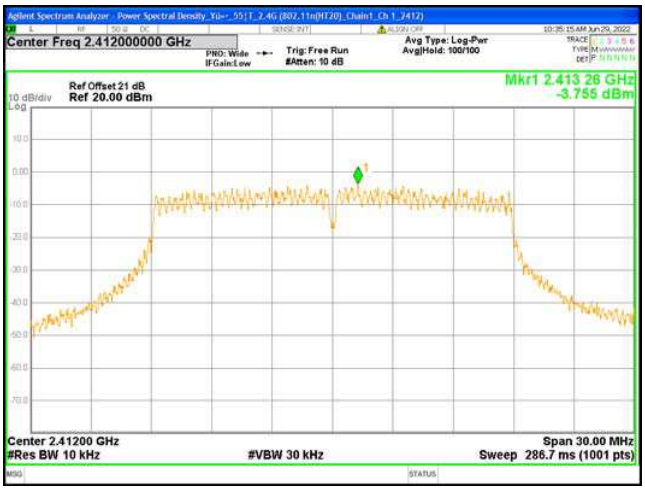
Chain0 : Power Spectral Density @ 802.11n(HT20) Mode Ch 6



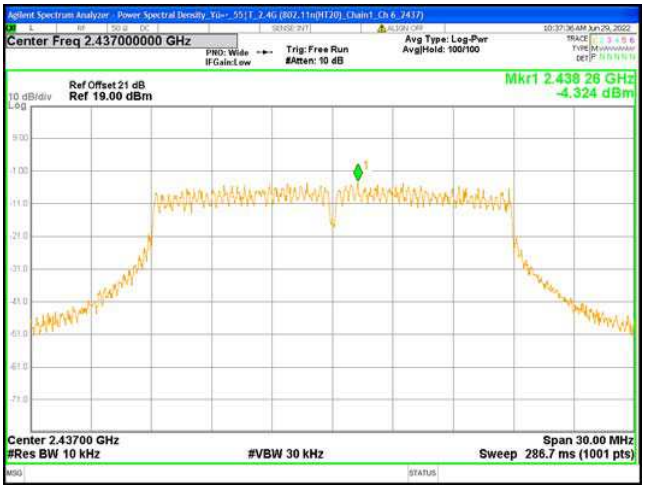
Chain0 : Power Spectral Density @ 802.11n(HT20) Mode Ch11



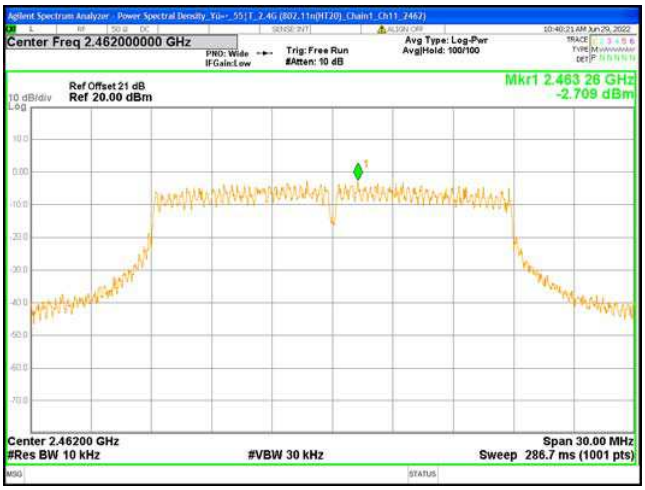
Chain1 : Power Spectral Density @ 802.11n(HT20) Mode Ch 1



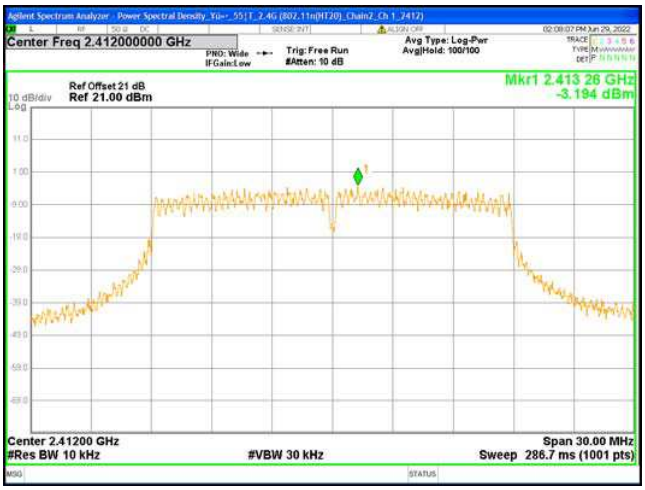
Chain1 : Power Spectral Density @ 802.11n(HT20) Mode Ch 6



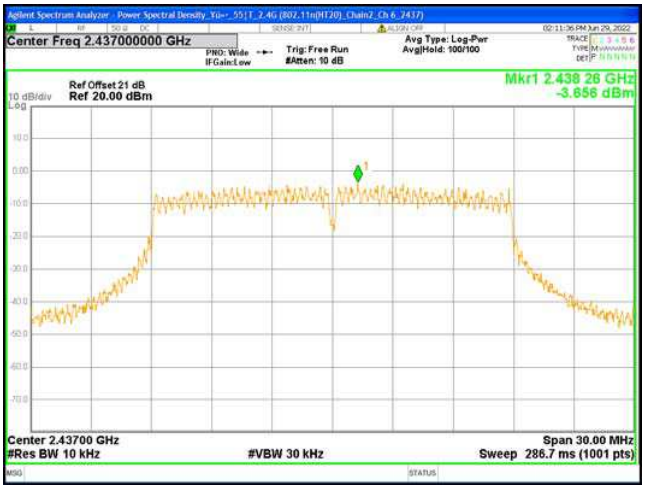
Chain1 : Power Spectral Density @ 802.11n(HT20) Mode Ch11



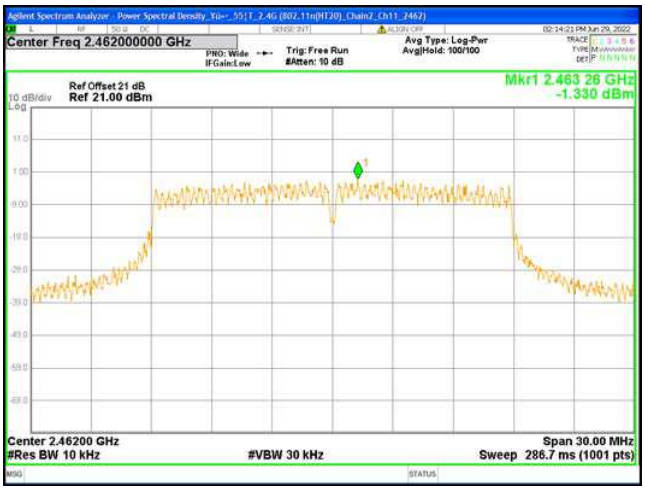
Chain2 : Power Spectral Density @ 802.11n(HT20) Mode Ch 1



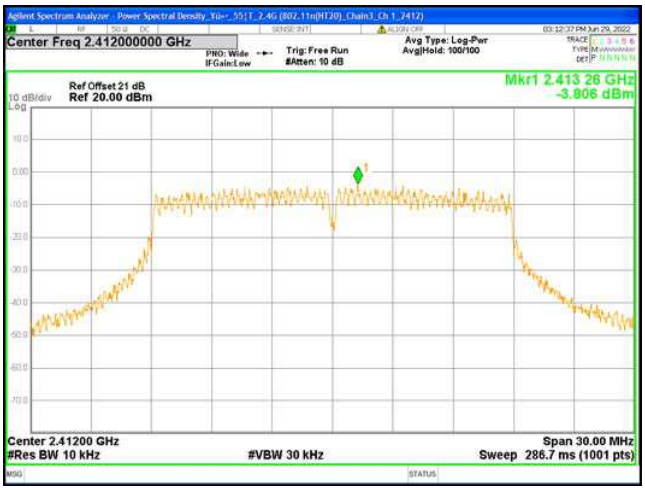
Chain2 : Power Spectral Density @ 802.11n(HT20) Mode Ch 6



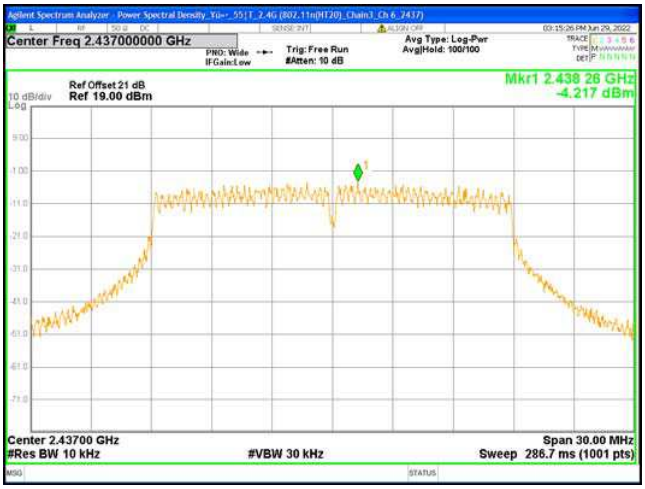
Chain2 : Power Spectral Density @ 802.11n(HT20) Mode Ch11



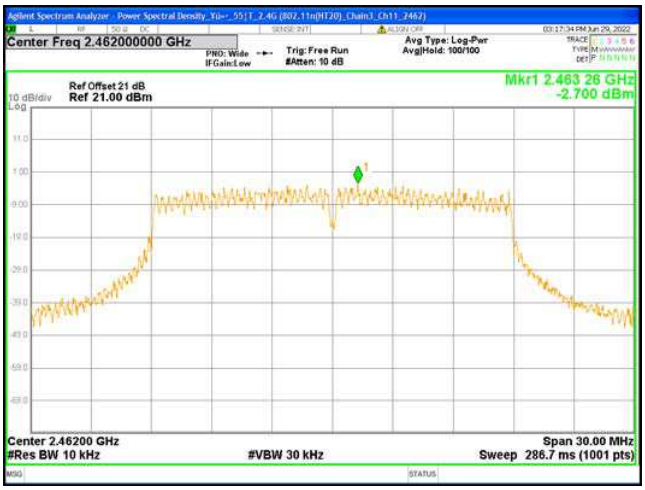
Chain3 : Power Spectral Density @ 802.11n(HT20) Mode Ch 1



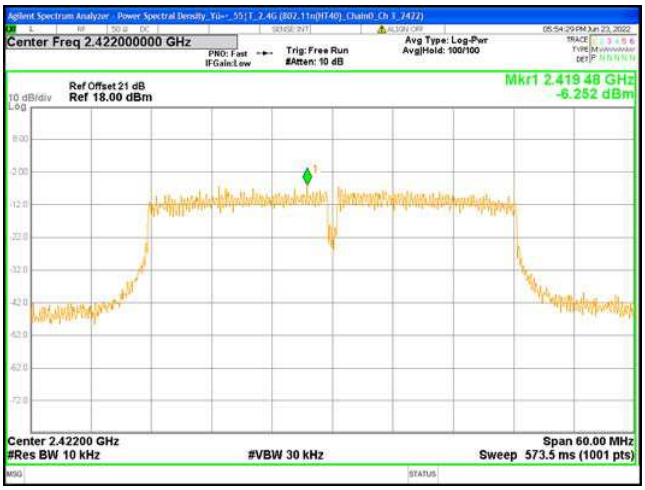
Chain3 : Power Spectral Density @ 802.11n(HT20) Mode Ch 6



Chain3 : Power Spectral Density @ 802.11n(HT20) Mode Ch11

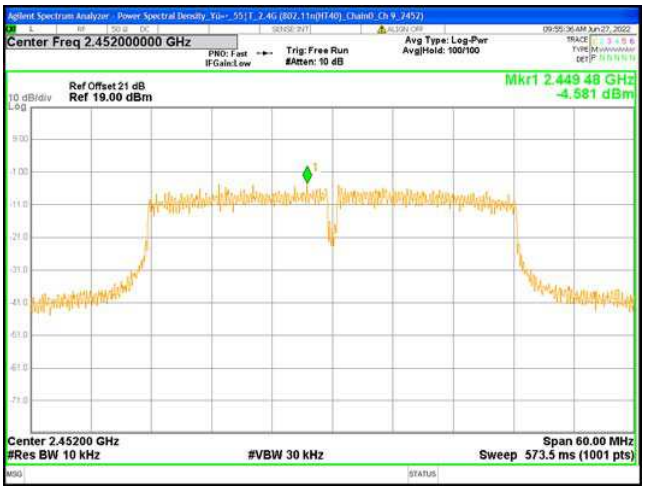


Chain0 : Power Spectral Density @ 802.11n(HT40) Mode Ch 3

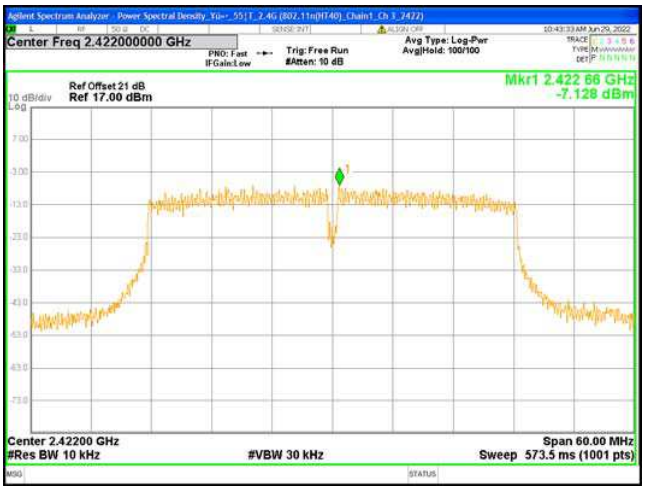


Chain0 : Power Spectral Density @ 802.11n(HT40) Mode Ch 6

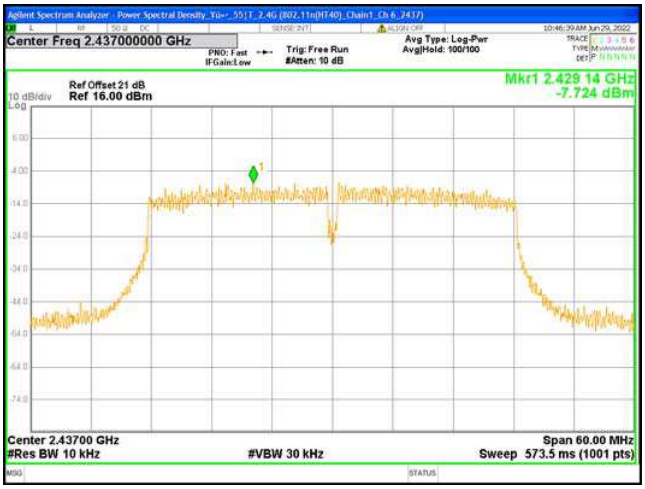
Chain0 : Power Spectral Density @ 802.11n(HT40) Mode Ch 9



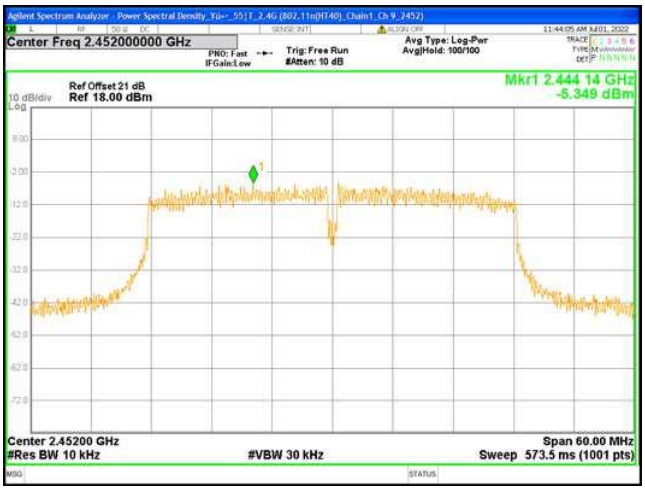
Chain1 : Power Spectral Density @ 802.11n(HT40) Mode Ch 3



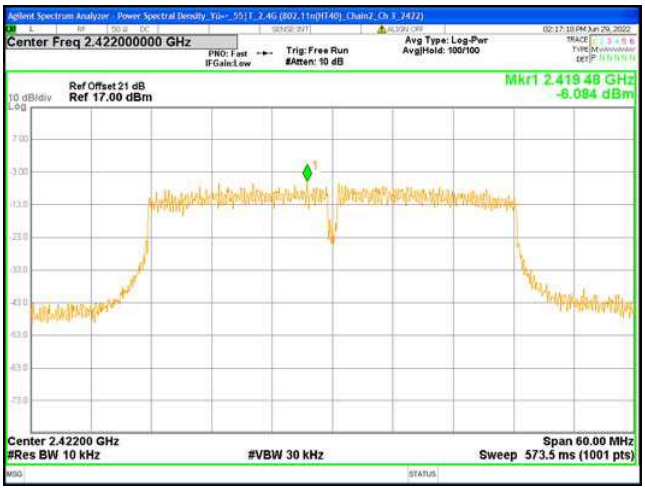
Chain1 : Power Spectral Density @ 802.11n(HT40) Mode Ch 6



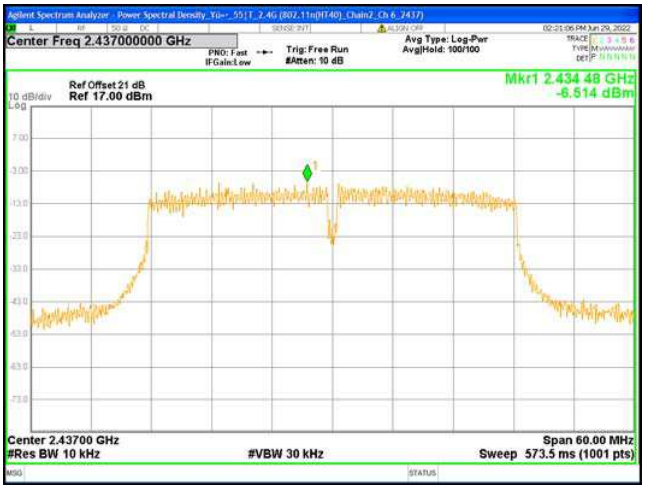
Chain1 : Power Spectral Density @ 802.11n(HT40) Mode Ch 9



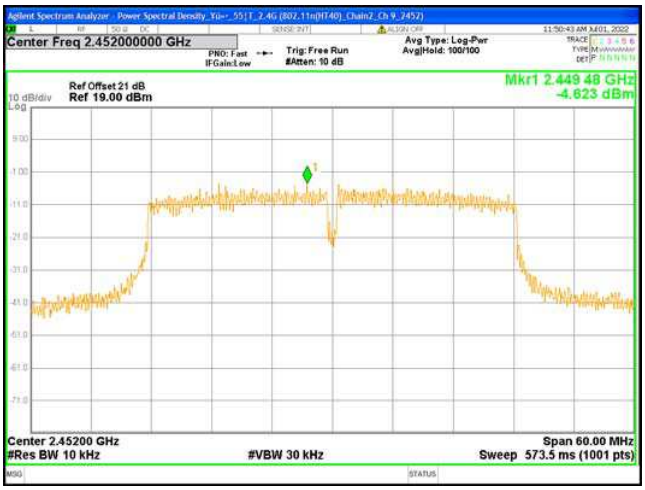
Chain2 : Power Spectral Density @ 802.11n(HT40) Mode Ch 3



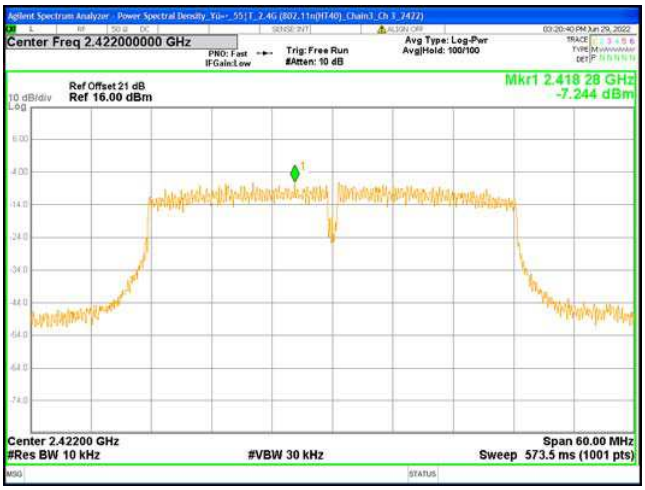
Chain2 : Power Spectral Density @ 802.11n(HT40) Mode Ch 6



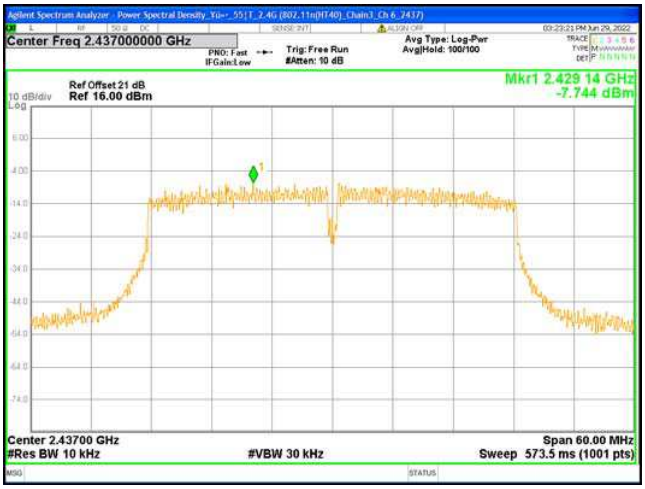
Chain2 : Power Spectral Density @ 802.11n(HT40) Mode Ch 9



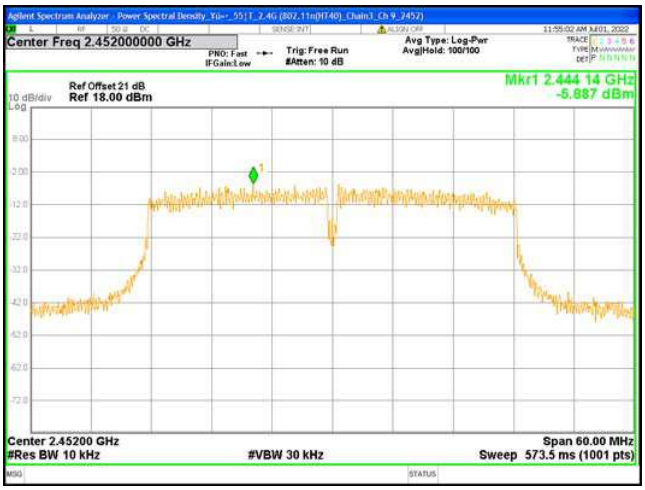
Chain3 : Power Spectral Density @ 802.11n(HT40) Mode Ch 3



Chain3 : Power Spectral Density @ 802.11n(HT40) Mode Ch 6



Chain3 : Power Spectral Density @ 802.11n(HT40) Mode Ch 9



5. Emissions in Non-Restricted Frequency Bands

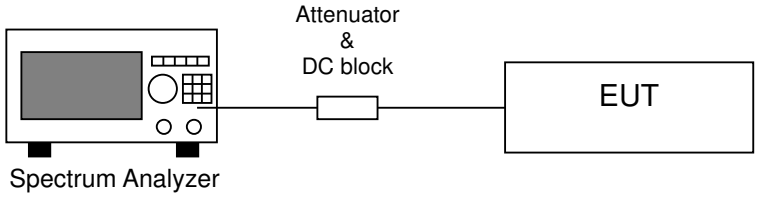
5.1 Instruments Setting

Spectrum Function	Setting (Reference Level)	Setting (Emission Level)
Detector	Peak	Peak
RBW	≧ 100 kHz	≧ 100 kHz
VBW	≧ 3 x RBW	≧ 3 x RBW
Sweep	Auto couple	Auto couple
Trace	Max hold	Max hold
Span	≧ 1.5 time 6dB bandwidth	
Attenuation	Auto	Auto

5.2 Test Procedure

Step 1 The procedure was used in antenna-port conducted and connected to the spectrum analyzer.
Step 2 Set instrument center frequency to center frequency.
Step 3 Use the parameter configured in subclause 11.11 of ANSI C63.10 to measure.
Step 4 Use the peak marker function to determine the maximum amplitude level.

5.3 Test Diagram



5.4 Limit

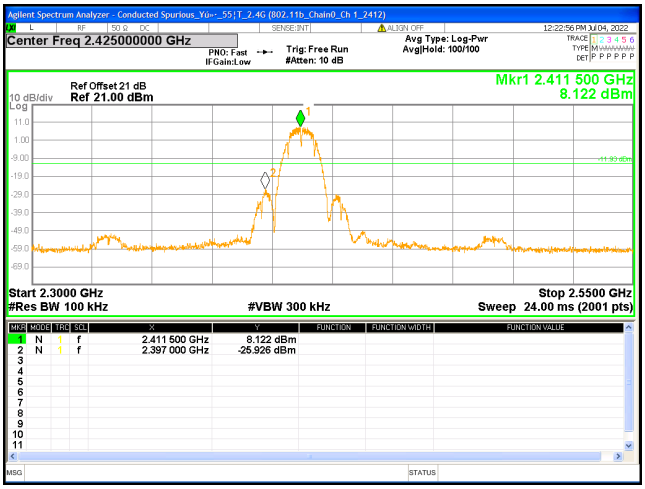
The peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz

5.5 Test Results

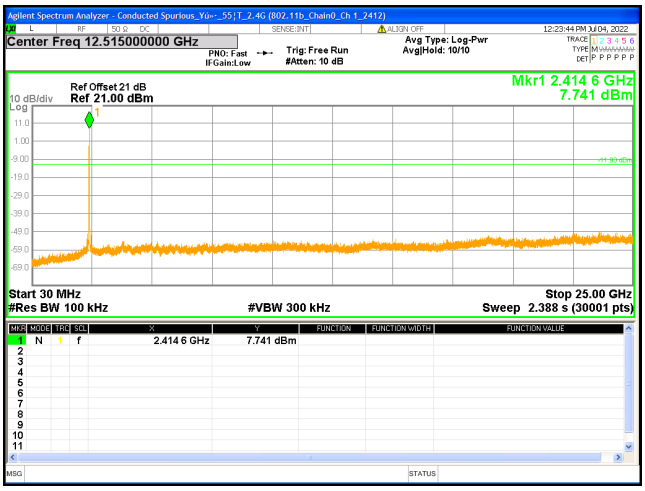
Temperature (℃) :	29
Relative Humidity (%) :	55
Test date :	2022/06/23 ~ 2022/07/04

Chain0 : Conducted Spurious @ 802.11b Mode Ch 1

Chain0 : Conducted Spurious @ 802.11b Mode Ch 1

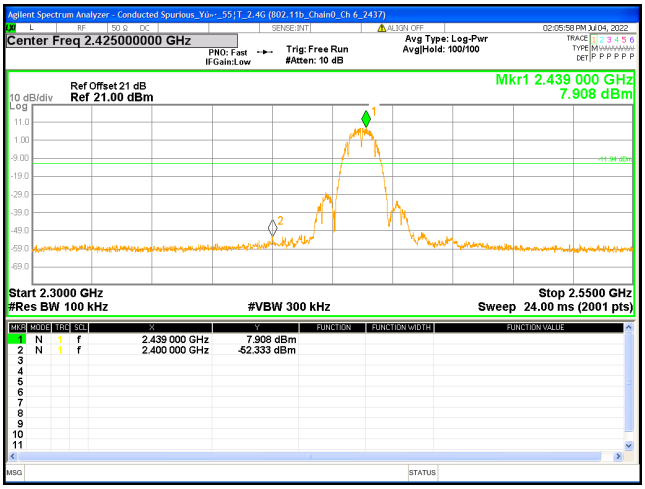


Chain0 : Conducted Spurious @ 802.11b Mode Ch 1

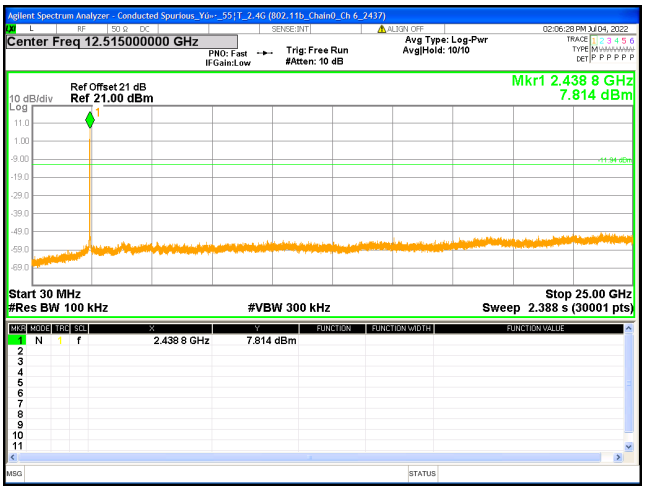


Chain0 : Conducted Spurious @ 802.11b Mode Ch 6

Chain0 : Conducted Spurious @ 802.11b Mode Ch 6

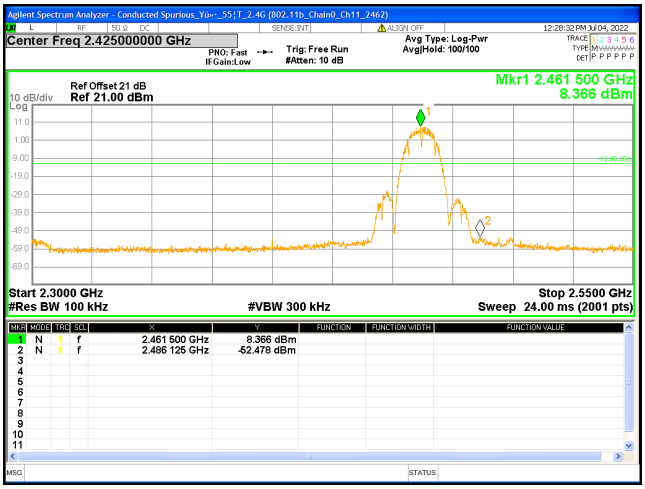


Chain0 : Conducted Spurious @ 802.11b Mode Ch 6

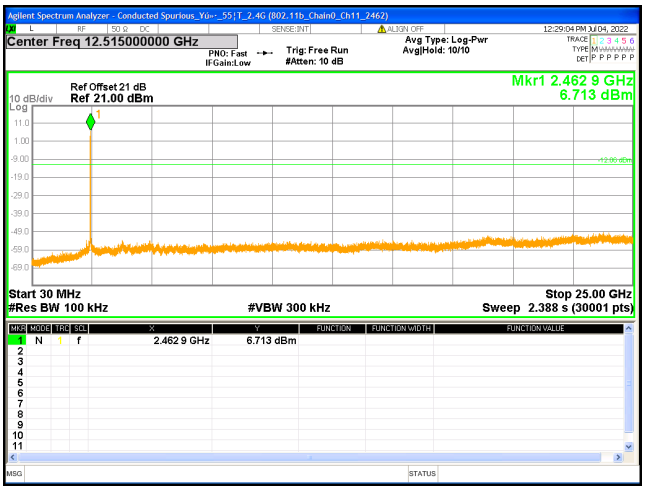


Chain0 : Conducted Spurious @ 802.11b Mode Ch11

Chain0 : Conducted Spurious @ 802.11b Mode Ch11

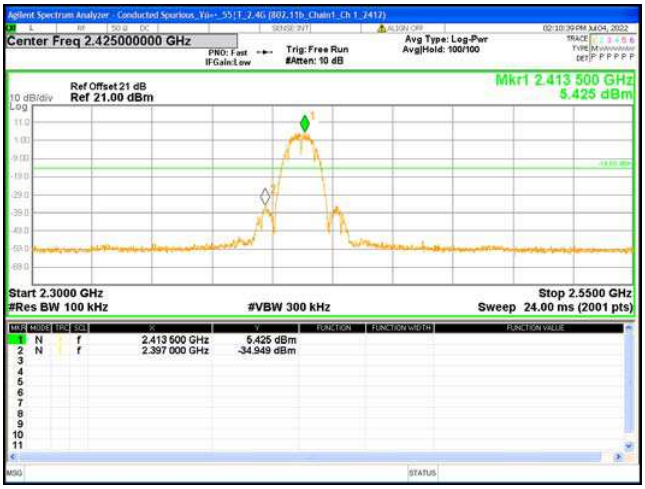


Chain0 : Conducted Spurious @ 802.11b Mode Ch11

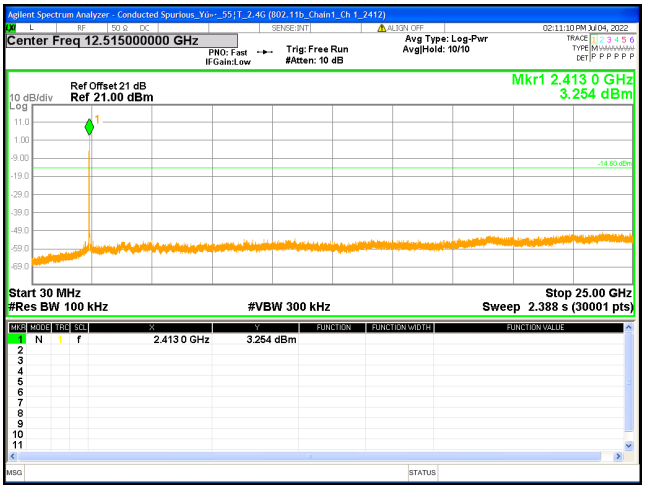


Chain1 : Conducted Spurious @ 802.11b Mode Ch 1

Chain1 : Conducted Spurious @ 802.11b Mode Ch 1

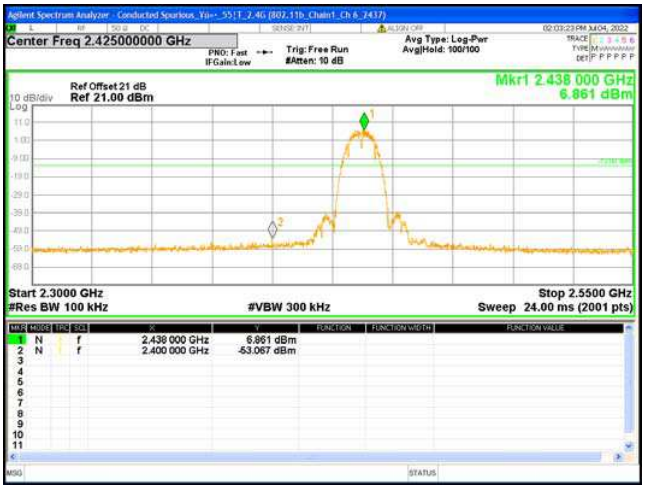


Chain1 : Conducted Spurious @ 802.11b Mode Ch 1

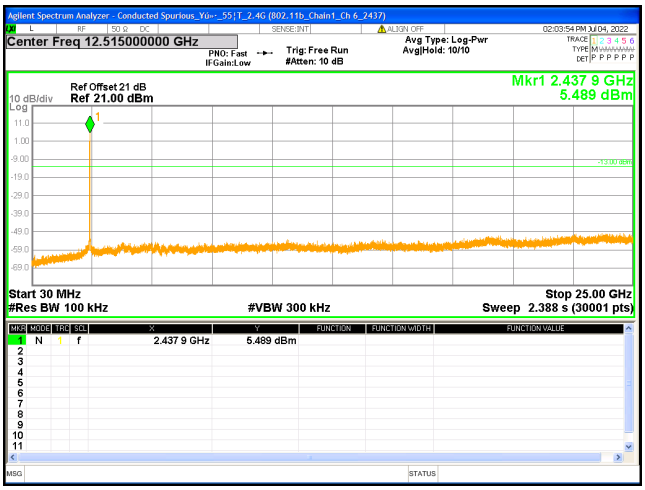


Chain1 : Conducted Spurious @ 802.11b Mode Ch 6

Chain1 : Conducted Spurious @ 802.11b Mode Ch 6

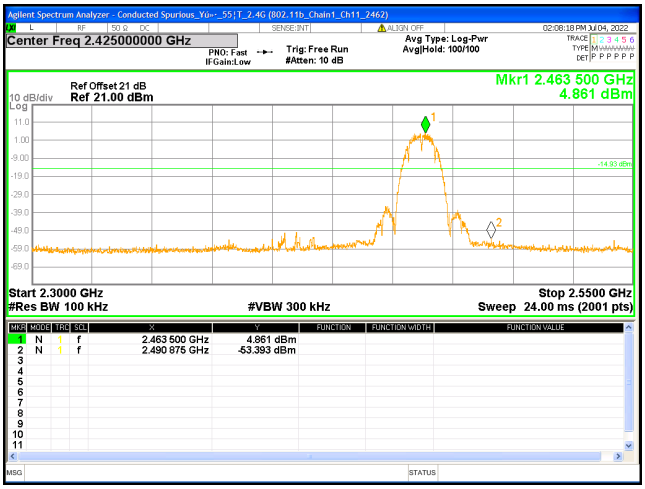


Chain1 : Conducted Spurious @ 802.11b Mode Ch 6

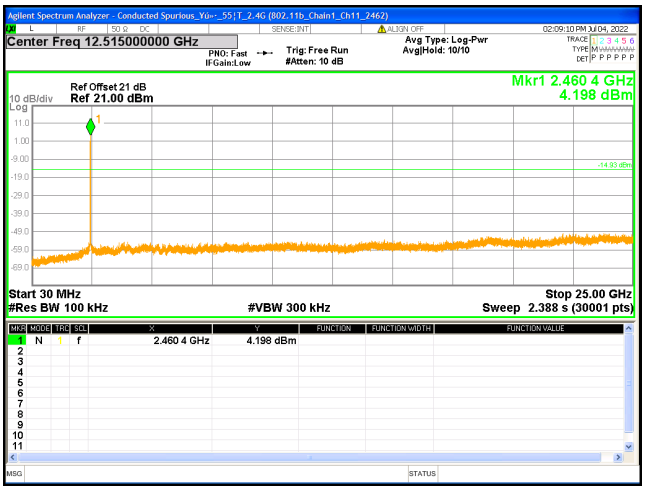


Chain1 : Conducted Spurious @ 802.11b Mode Ch11

Chain1 : Conducted Spurious @ 802.11b Mode Ch11

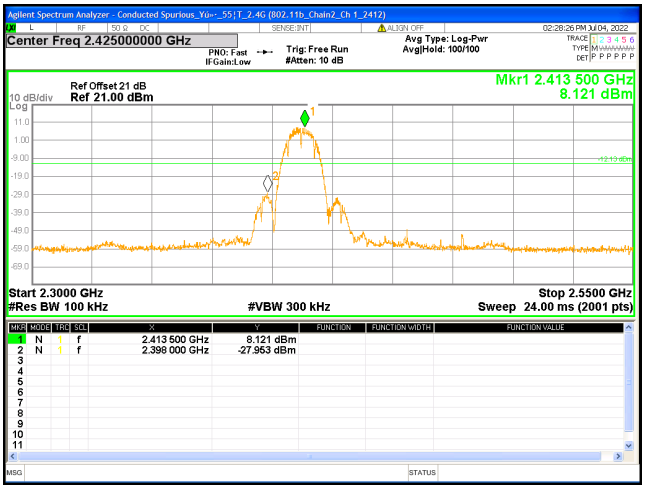


Chain1 : Conducted Spurious @ 802.11b Mode Ch11

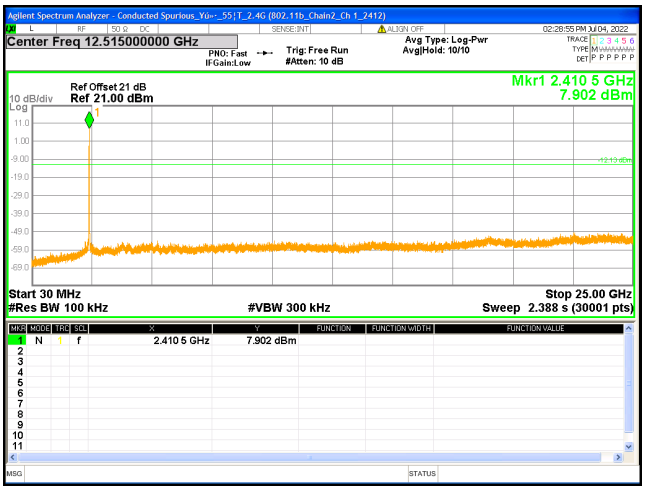


Chain2 : Conducted Spurious @ 802.11b Mode Ch 1

Chain2 : Conducted Spurious @ 802.11b Mode Ch 1

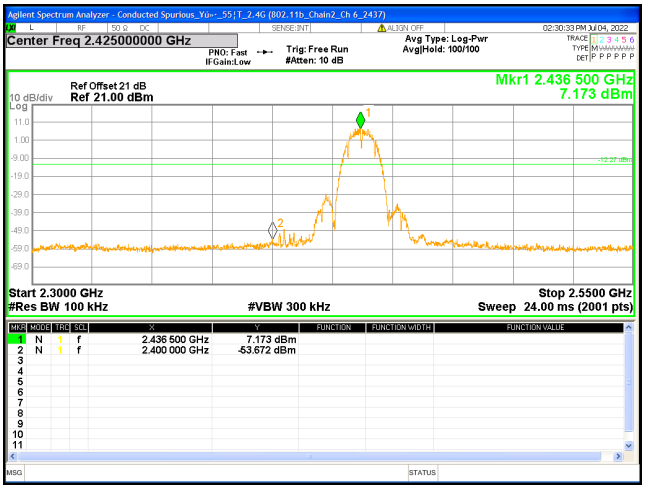


Chain2 : Conducted Spurious @ 802.11b Mode Ch 1

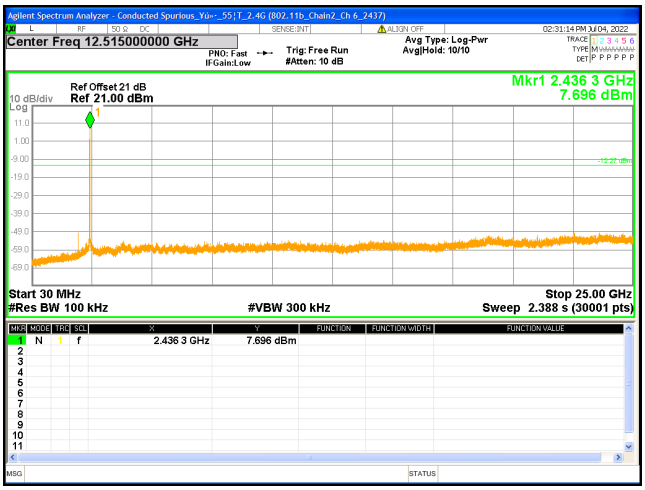


Chain2 : Conducted Spurious @ 802.11b Mode Ch 6

Chain2 : Conducted Spurious @ 802.11b Mode Ch 6

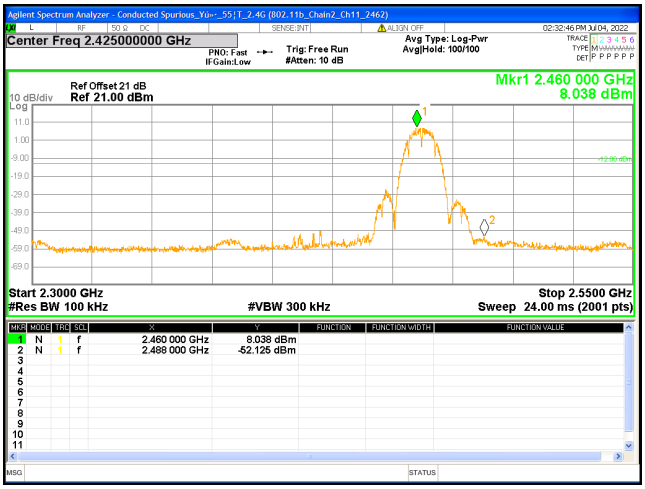


Chain2 : Conducted Spurious @ 802.11b Mode Ch 6

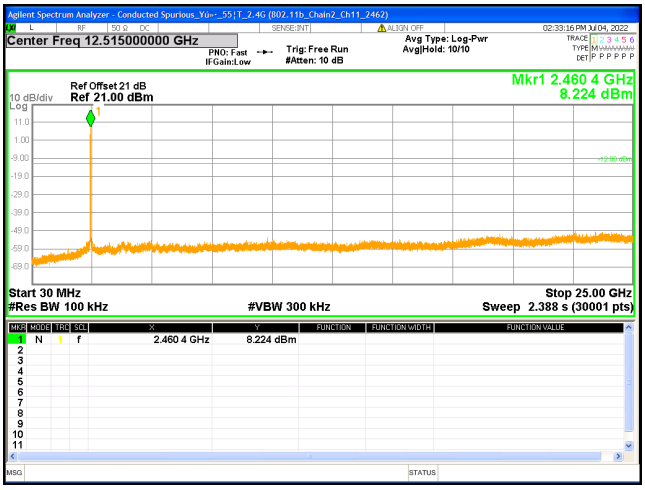


Chain2 : Conducted Spurious @ 802.11b Mode Ch11

Chain2 : Conducted Spurious @ 802.11b Mode Ch11

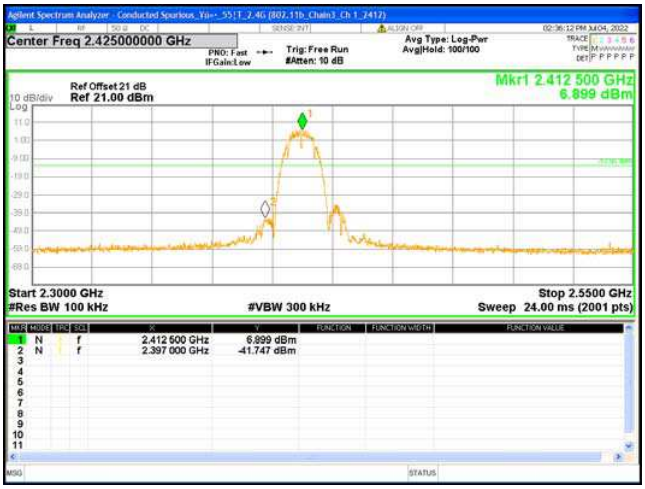


Chain2 : Conducted Spurious @ 802.11b Mode Ch11

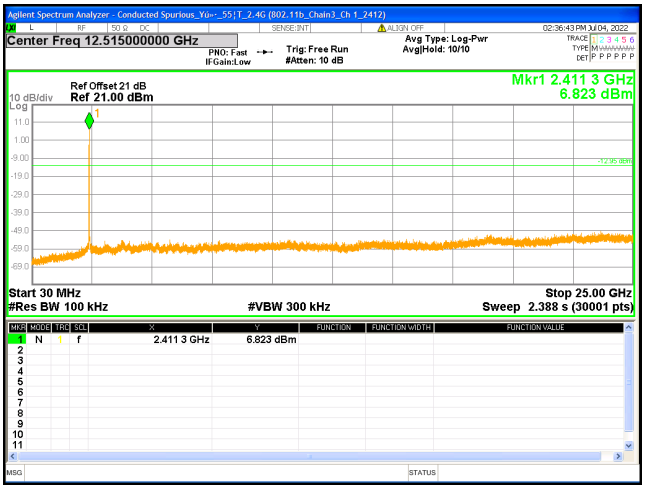


Chain3 : Conducted Spurious @ 802.11b Mode Ch 1

Chain3 : Conducted Spurious @ 802.11b Mode Ch 1

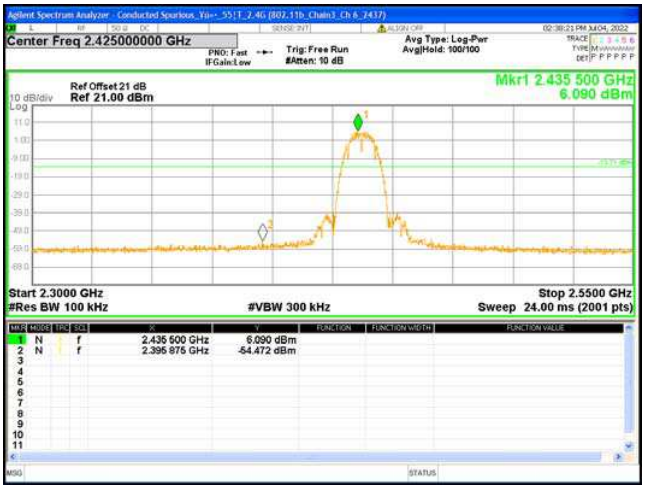


Chain3 : Conducted Spurious @ 802.11b Mode Ch 1

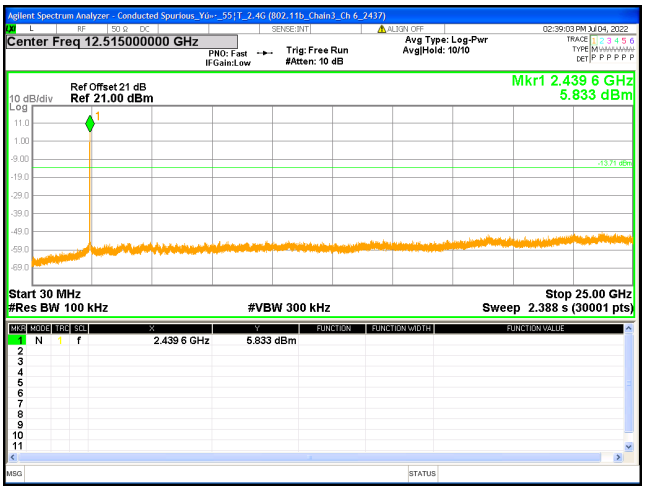


Chain3 : Conducted Spurious @ 802.11b Mode Ch 6

Chain3 : Conducted Spurious @ 802.11b Mode Ch 6



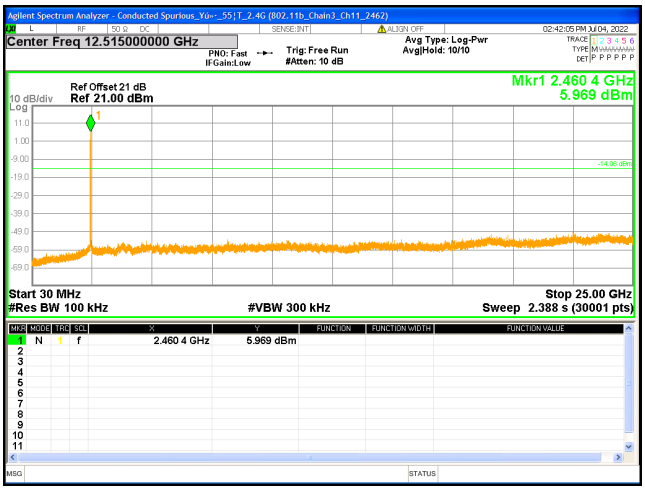
Chain3 : Conducted Spurious @ 802.11b Mode Ch 6



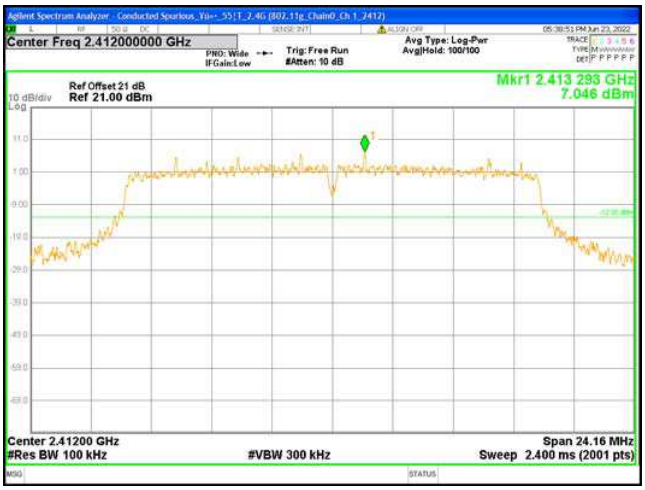
Chain3 : Conducted Spurious @ 802.11b Mode Ch11

Chain3 : Conducted Spurious @ 802.11b Mode Ch11

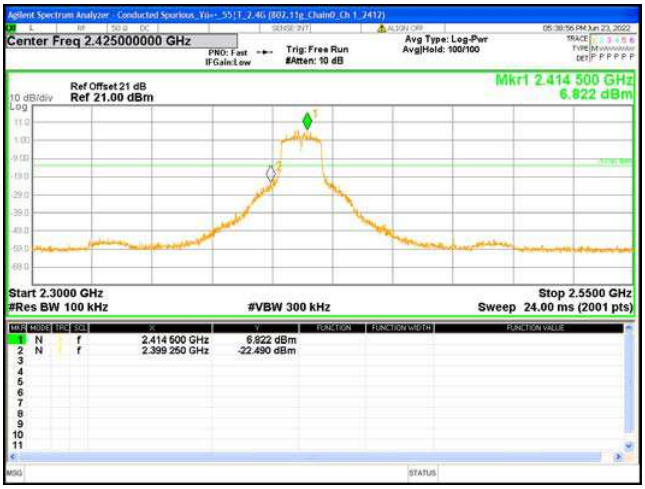
Chain3 : Conducted Spurious @ 802.11b Mode Ch11



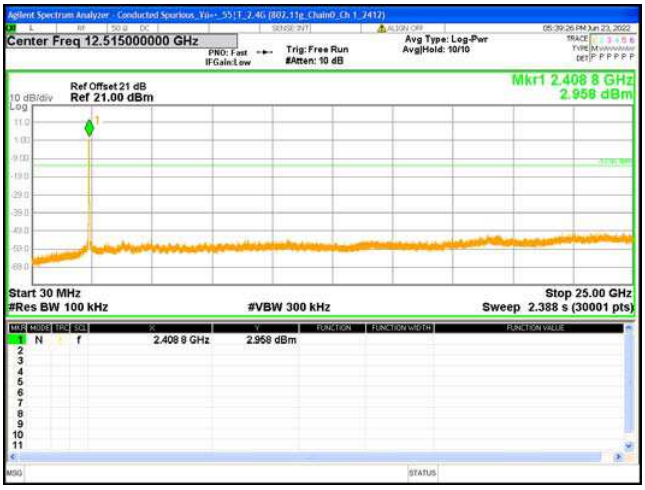
Chain0 : Conducted Spurious @ 802.11g Mode Ch 1



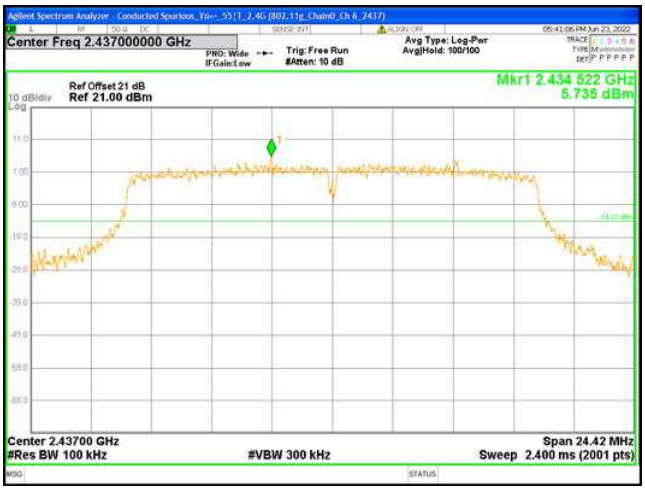
Chain0 : Conducted Spurious @ 802.11g Mode Ch 1



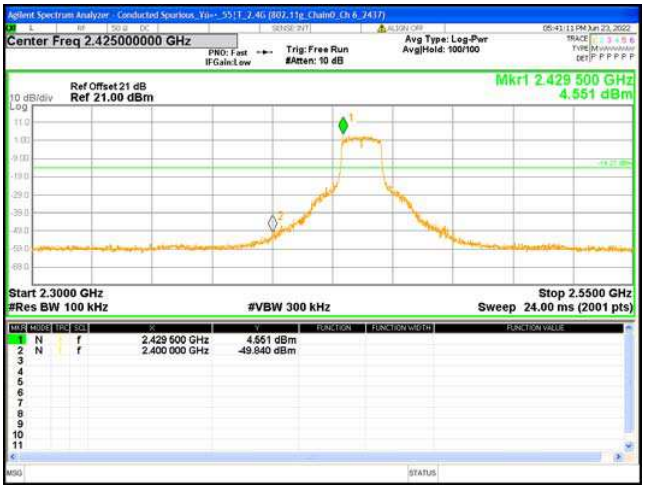
Chain0 : Conducted Spurious @ 802.11g Mode Ch 1



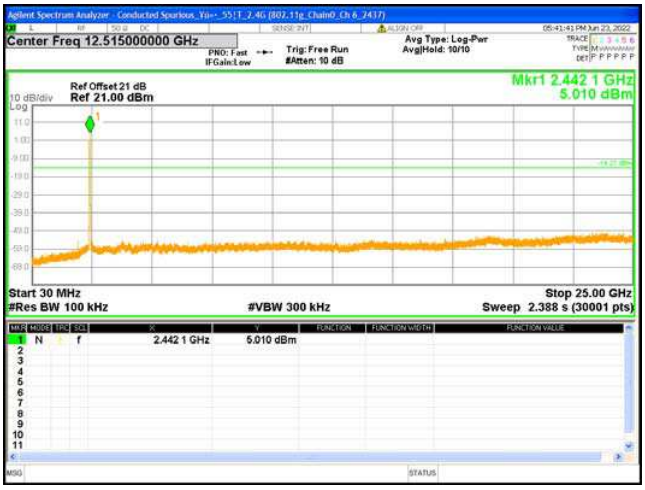
Chain0 : Conducted Spurious @ 802.11g Mode Ch 6



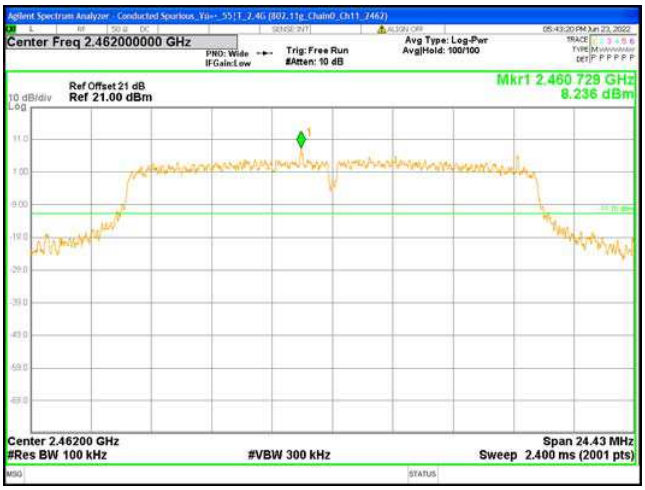
Chain0 : Conducted Spurious @ 802.11g Mode Ch 6



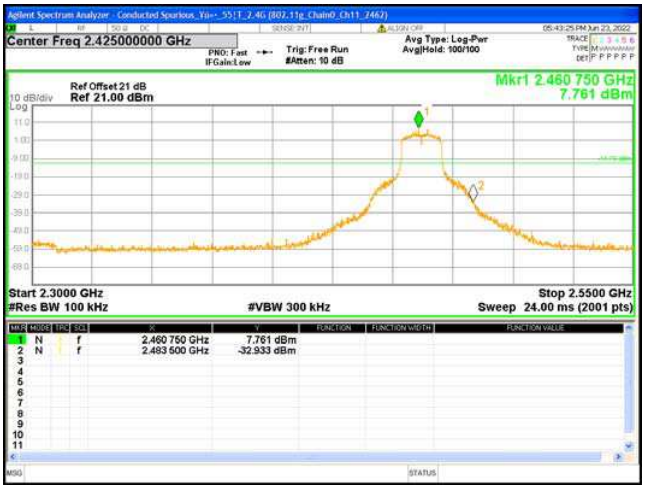
Chain0 : Conducted Spurious @ 802.11g Mode Ch 6



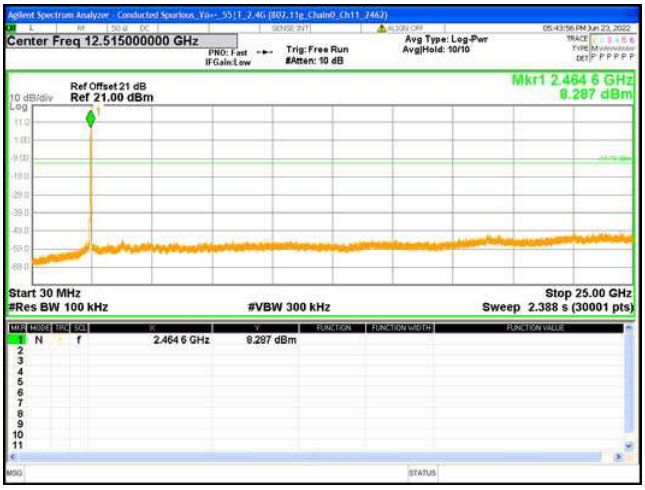
Chain0 : Conducted Spurious @ 802.11g Mode Ch11



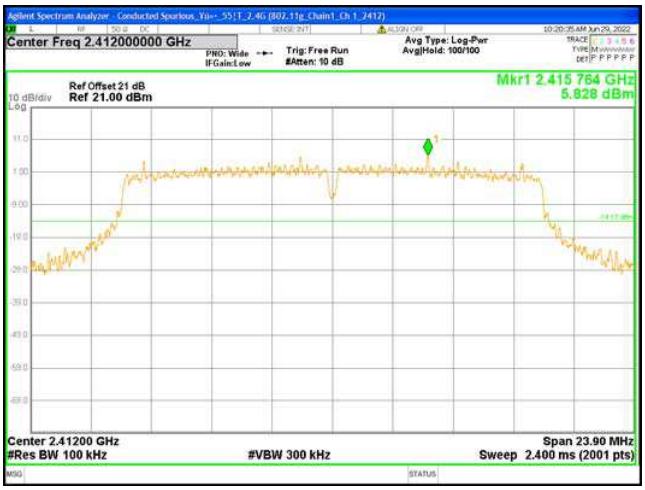
Chain0 : Conducted Spurious @ 802.11g Mode Ch11



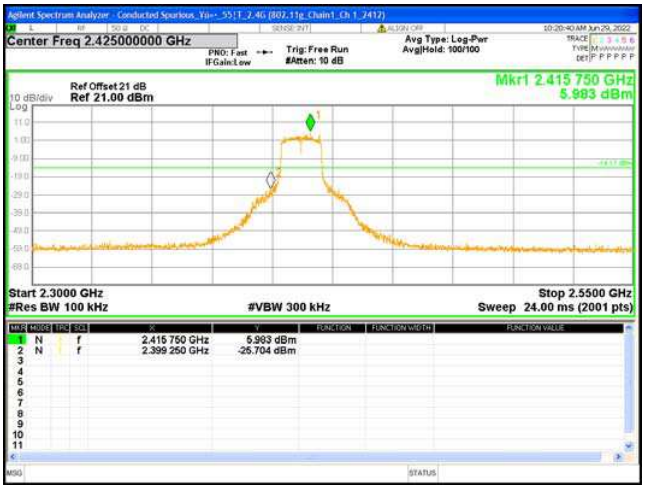
Chain0 : Conducted Spurious @ 802.11g Mode Ch11



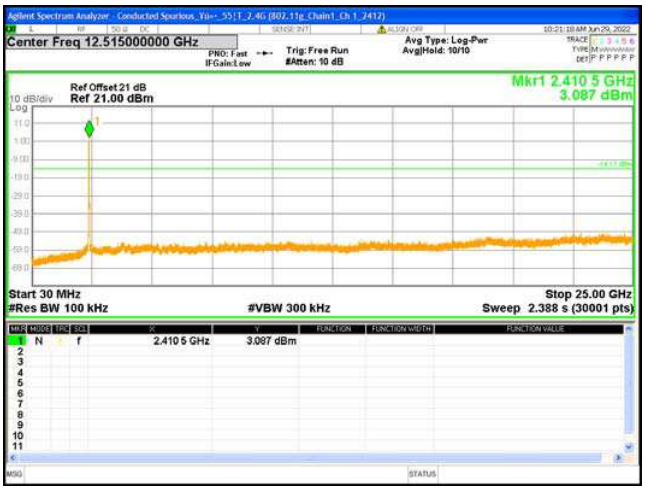
Chain1 : Conducted Spurious @ 802.11g Mode Ch 1



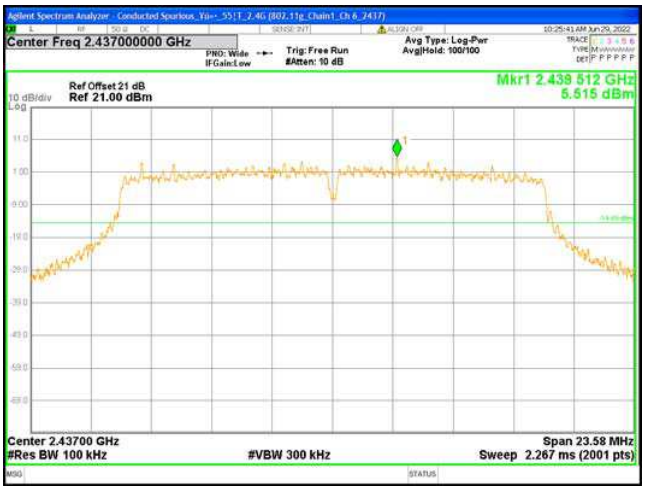
Chain1 : Conducted Spurious @ 802.11g Mode Ch 1



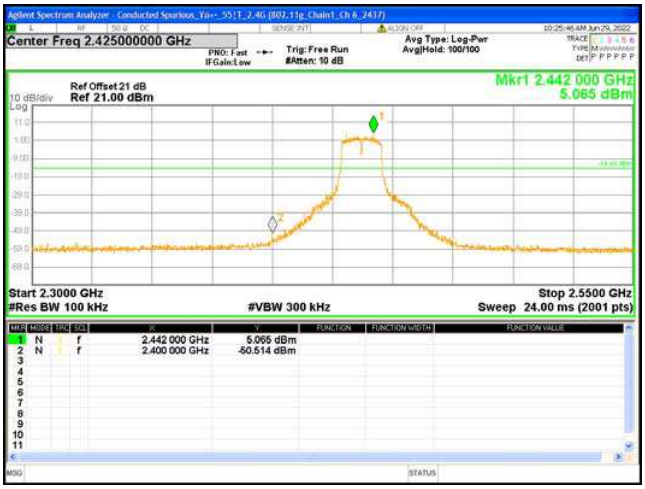
Chain1 : Conducted Spurious @ 802.11g Mode Ch 1



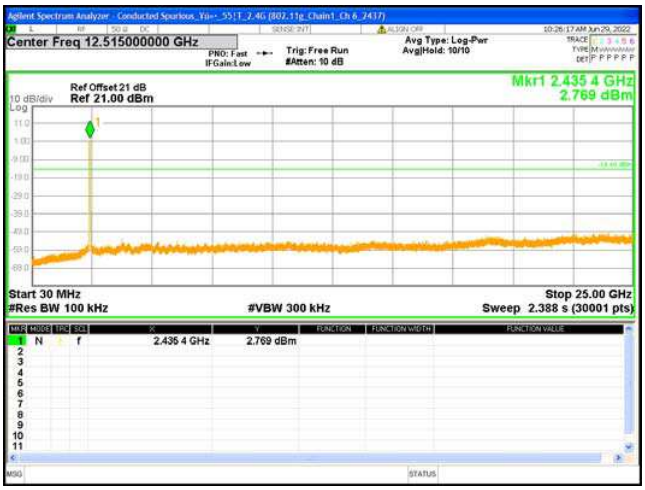
Chain1 : Conducted Spurious @ 802.11g Mode Ch 6



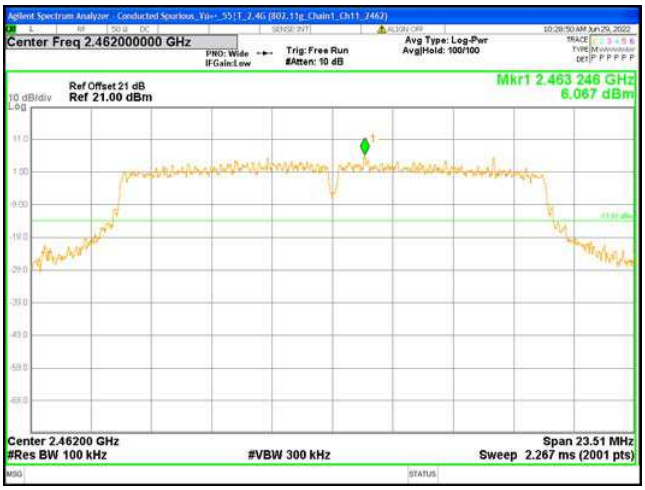
Chain1 : Conducted Spurious @ 802.11g Mode Ch 6



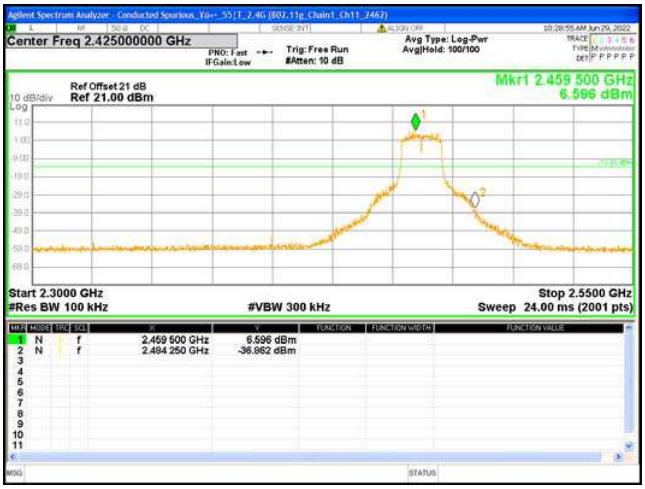
Chain1 : Conducted Spurious @ 802.11g Mode Ch 6



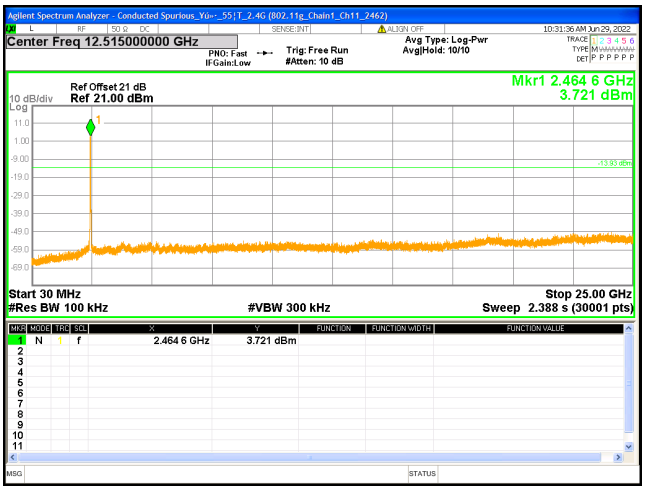
Chain1 : Conducted Spurious @ 802.11g Mode Ch11



Chain1 : Conducted Spurious @ 802.11g Mode Ch11

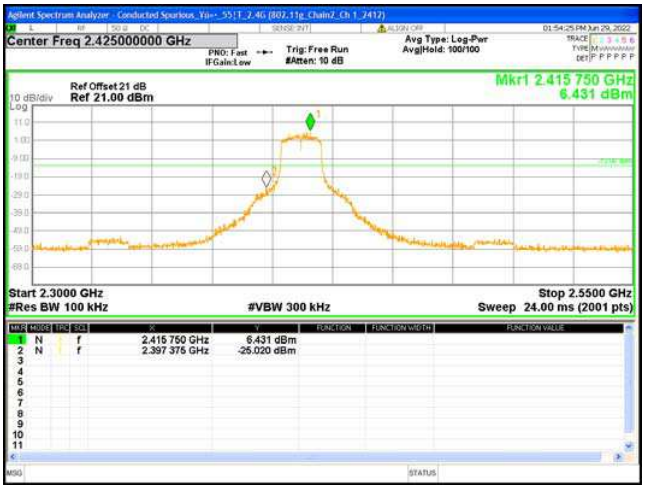


Chain1 : Conducted Spurious @ 802.11g Mode Ch11

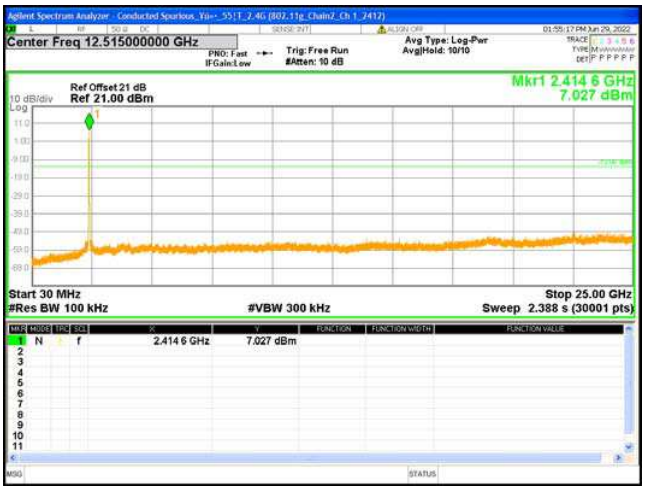


Chain2 : Conducted Spurious @ 802.11g Mode Ch 1

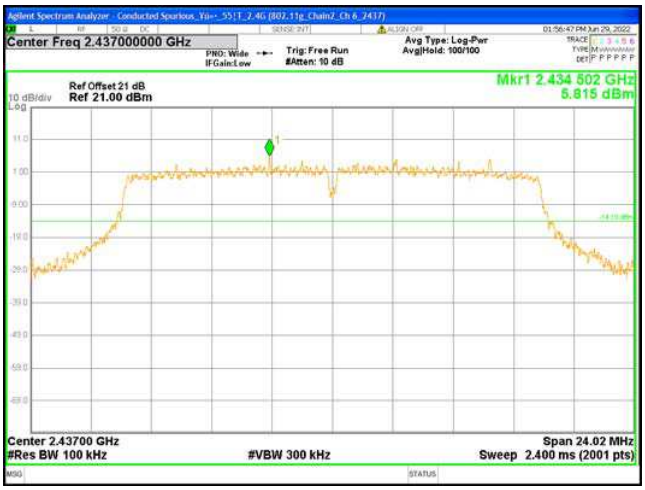
Chain2 : Conducted Spurious @ 802.11g Mode Ch 1



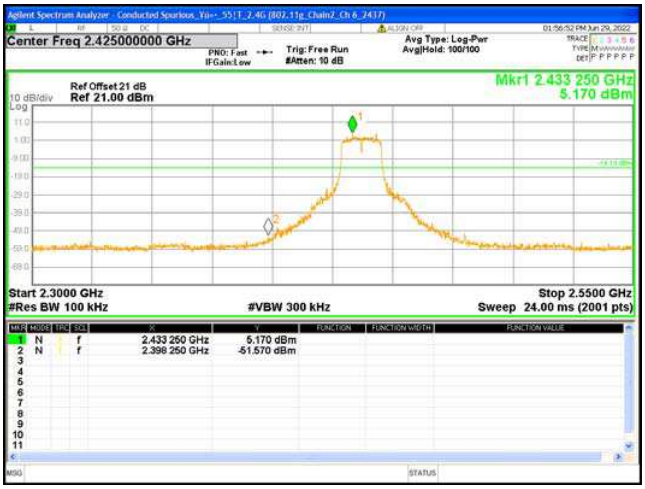
Chain2 : Conducted Spurious @ 802.11g Mode Ch 1



Chain2 : Conducted Spurious @ 802.11g Mode Ch 6



Chain2 : Conducted Spurious @ 802.11g Mode Ch 6



Chain2 : Conducted Spurious @ 802.11g Mode Ch 6