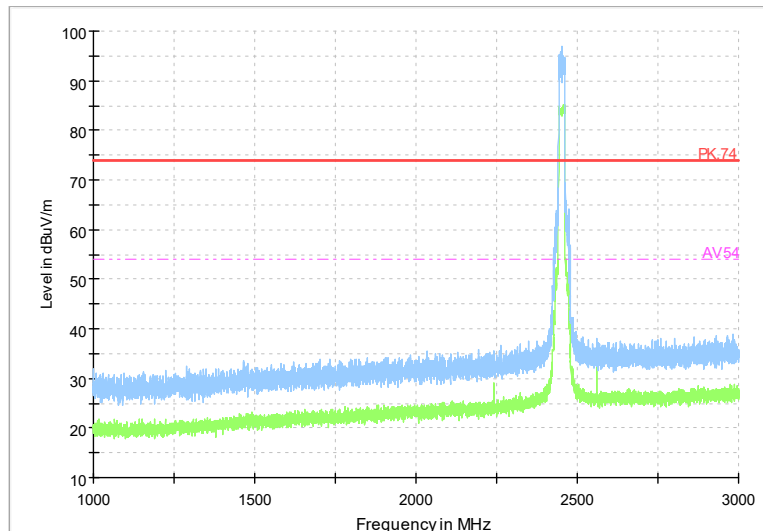




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Test Report No.: PSU-NQN2412260110RF01

Full Spectrum

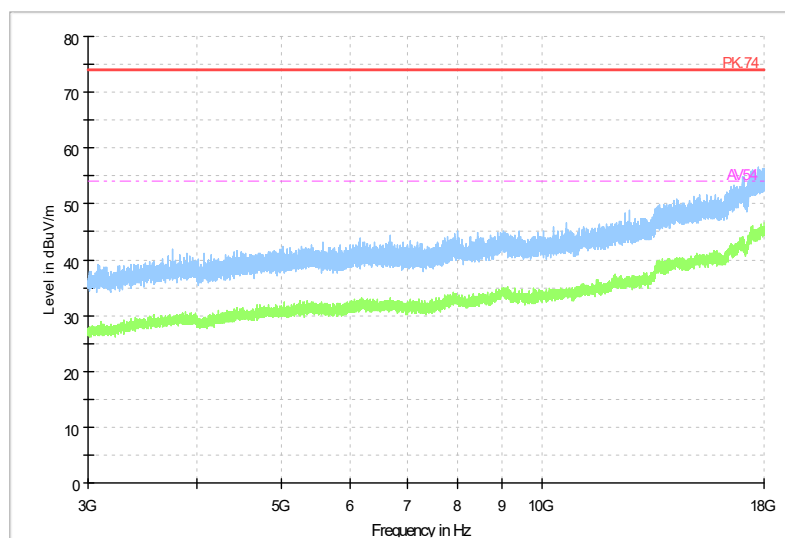


Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

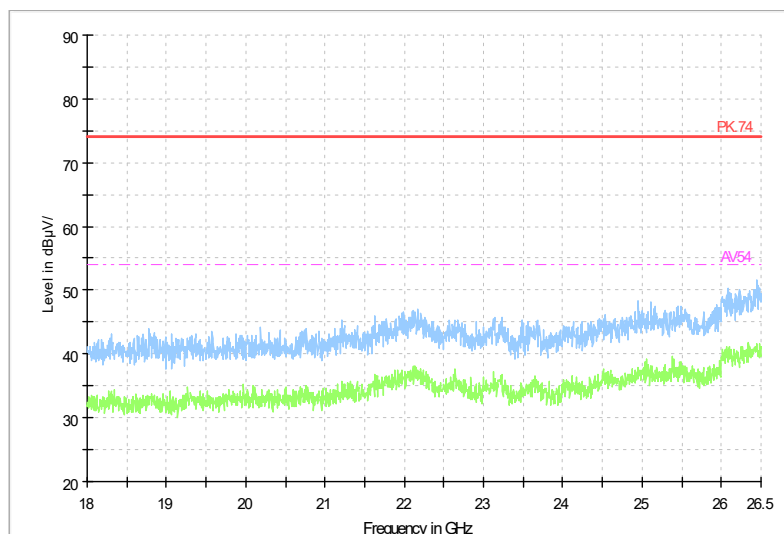
Modulation type: 802.11n(HT40)



BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

Full Spectrum

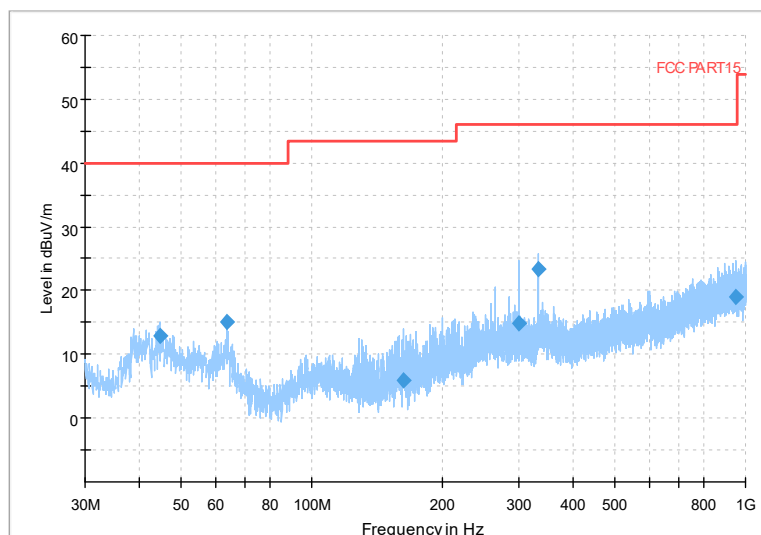


Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 30MHz -1GHz

Detector: Av mode and PK mode

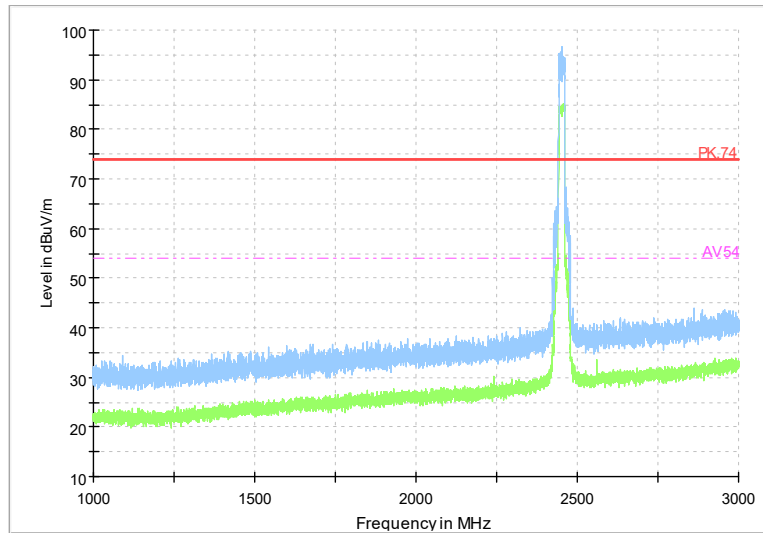
Modulation type: 802.11 ax(HE40)



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VERITAS

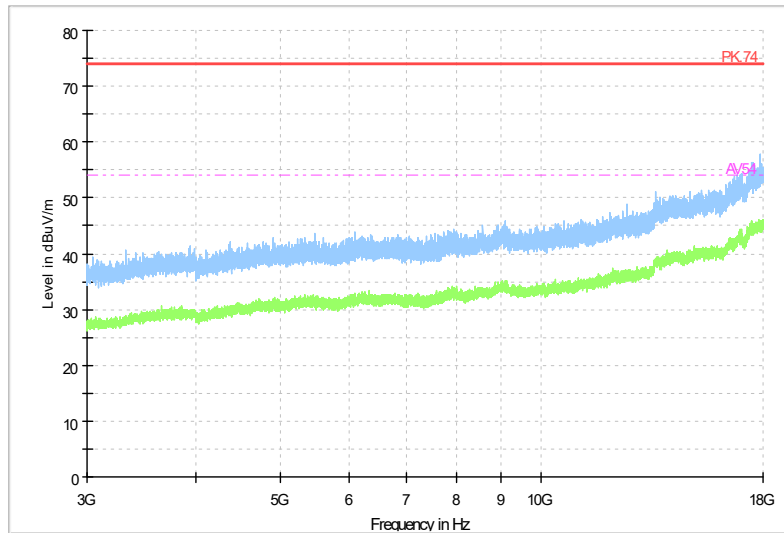
Test Report No.: PSU-NQN2412260110RF01

Full Spectrum



Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HE40)

Full Spectrum



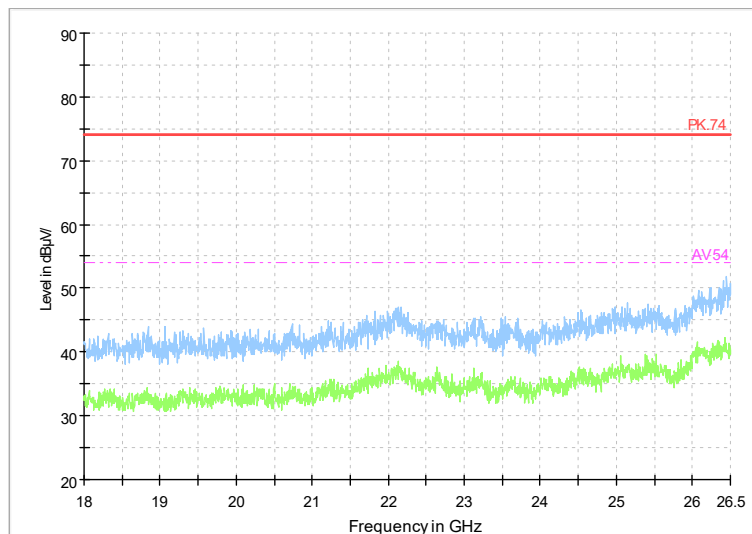
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HE40)



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VERITAS

Test Report No.: PSU-NQN2412260110RF01

Full Spectrum



Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)



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VERITAS

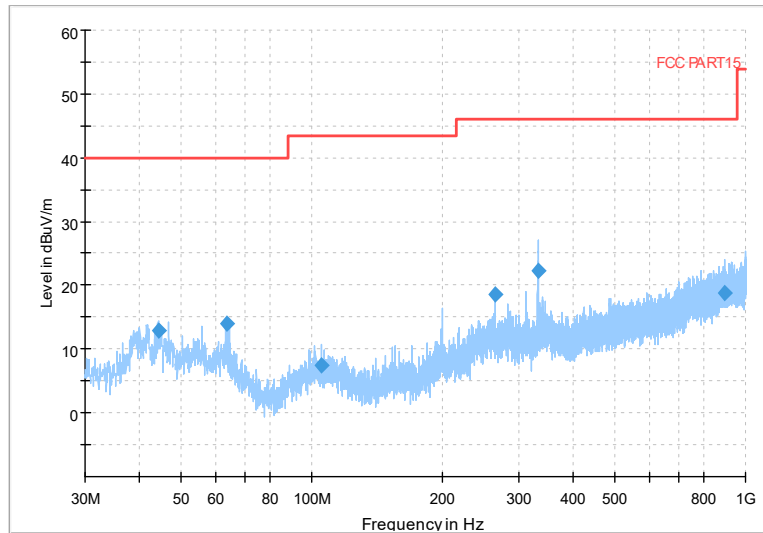
Test Report No.: PSU-NQN2412260110RF01

Partial RU (Tone26)

Carrier frequency (MHz): 2412

Channel No.:1

Full Spectrum

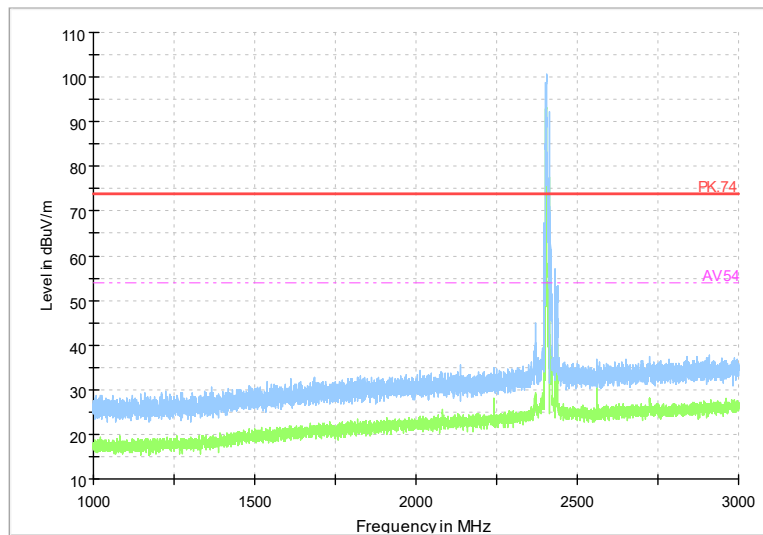


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11 ax(HE20)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

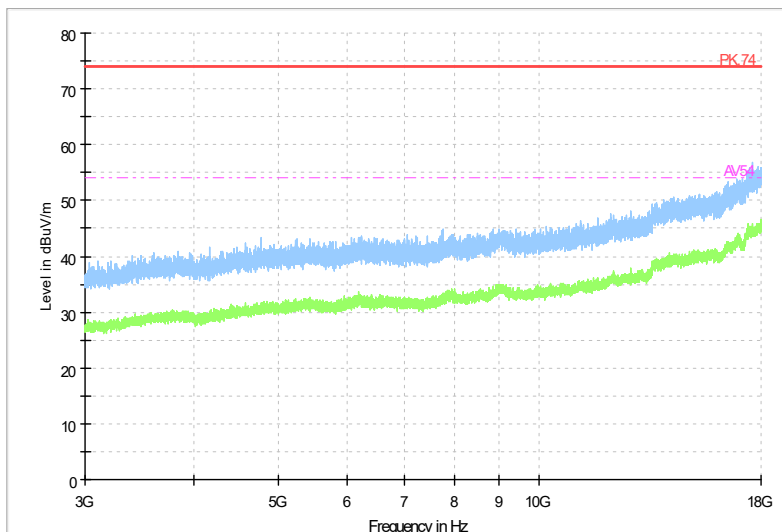
Modulation type: 802.11 ax(HE20)



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Test Report No.: PSU-NQN2412260110RF01

Full Spectrum

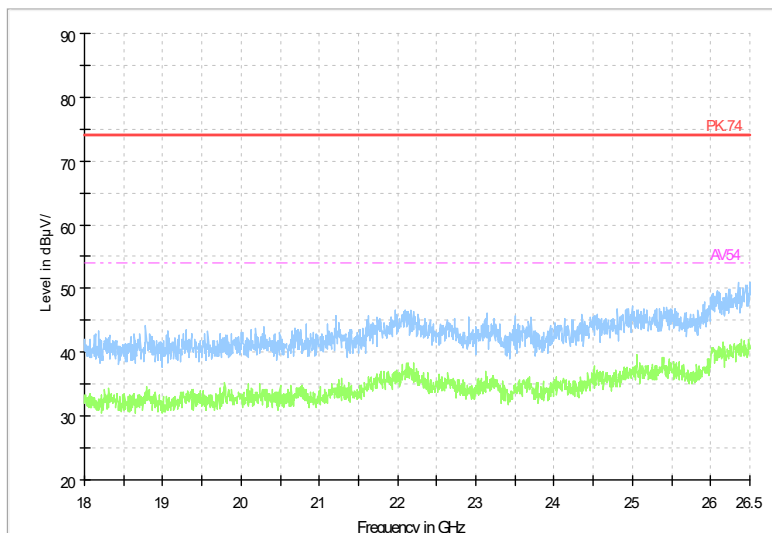


Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE20)

Full Spectrum



Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

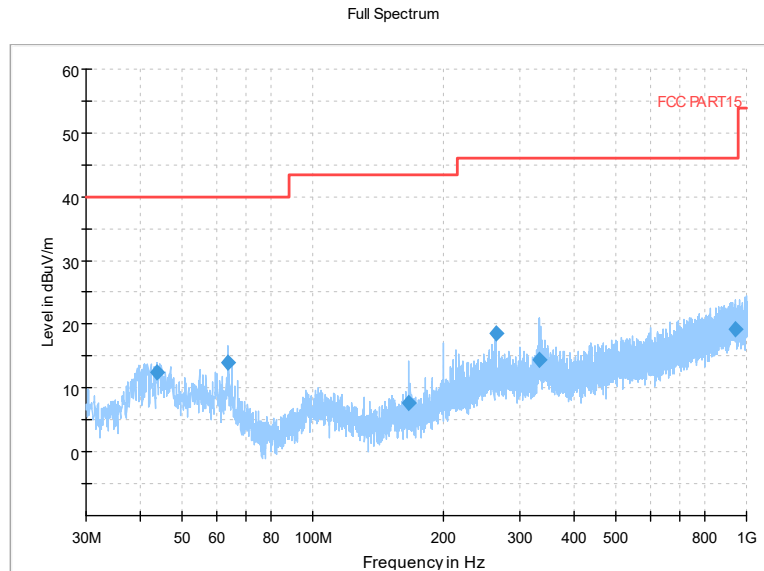
Modulation type: 802.11 ax(HE20)



BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

Carrier frequency (MHz): 2437

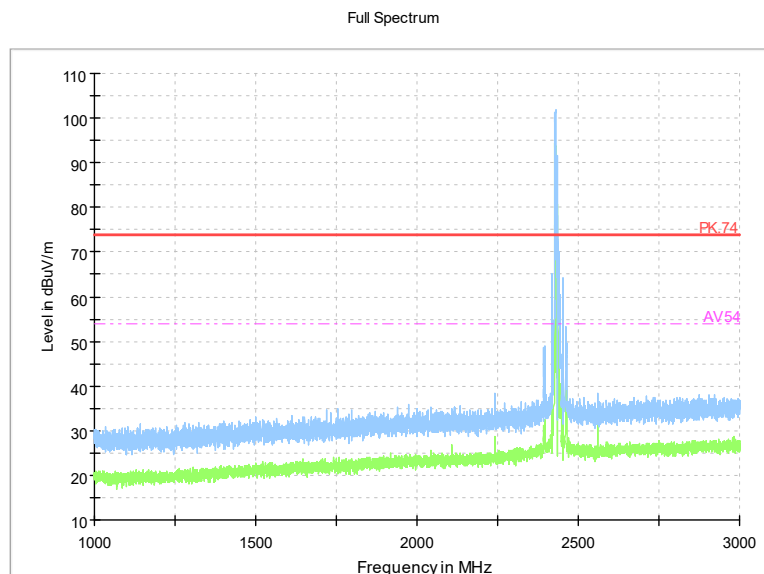
Channel No.:6



Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE20)



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

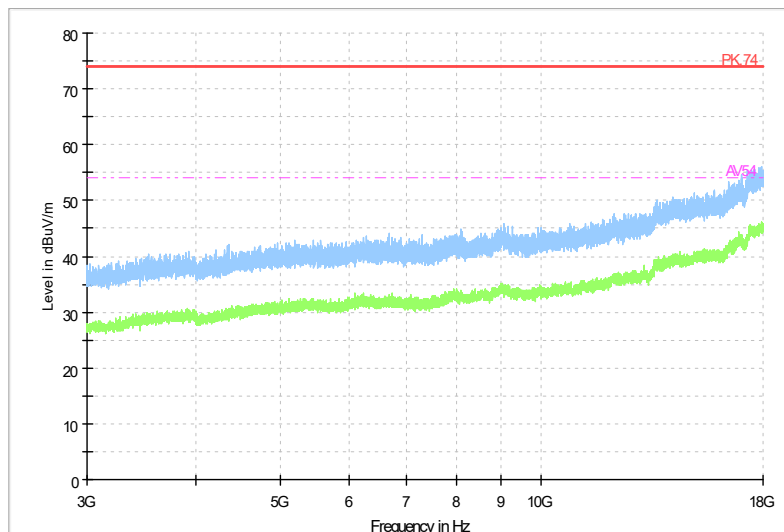
Modulation type: 802.11 ax(HE20)



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Test Report No.: PSU-NQN2412260110RF01

Full Spectrum

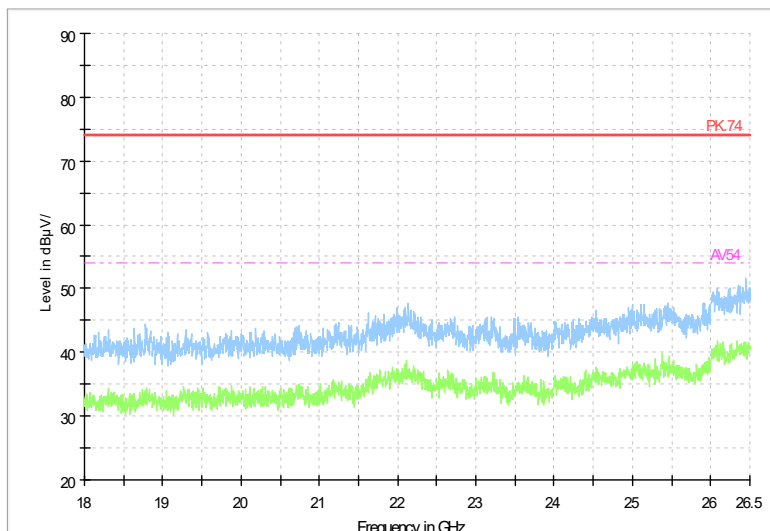


Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE20)

Full Spectrum



Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE20)

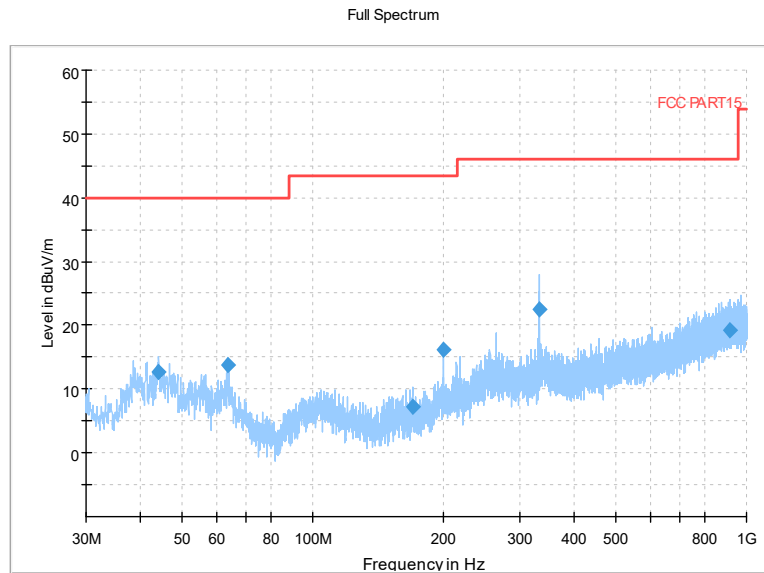


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VERITAS

Test Report No.: PSU-NQN2412260110RF01

Carrier frequency (MHz): 2462

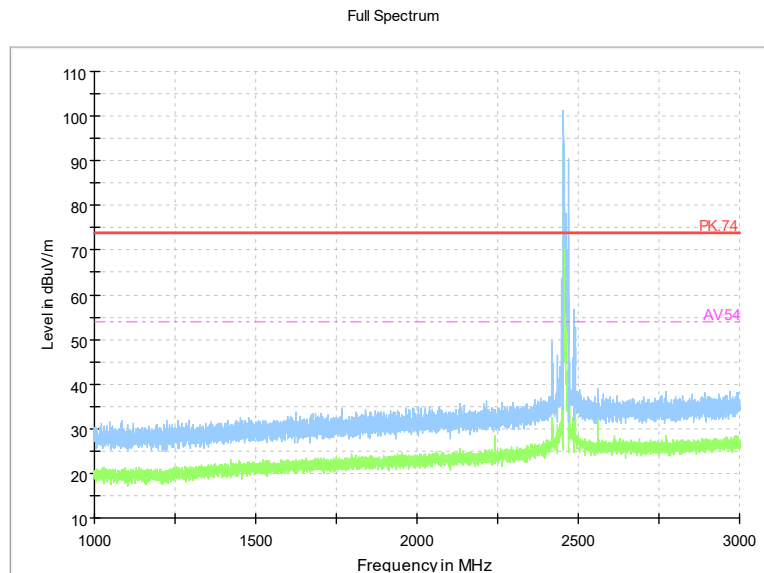
Channel No.:11



Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE20)



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE20)

BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

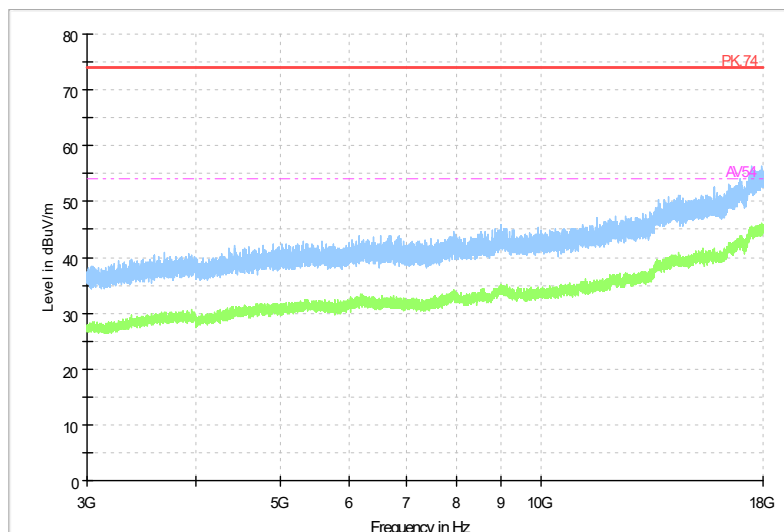
Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com



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VERITAS

Test Report No.: PSU-NQN2412260110RF01

Full Spectrum

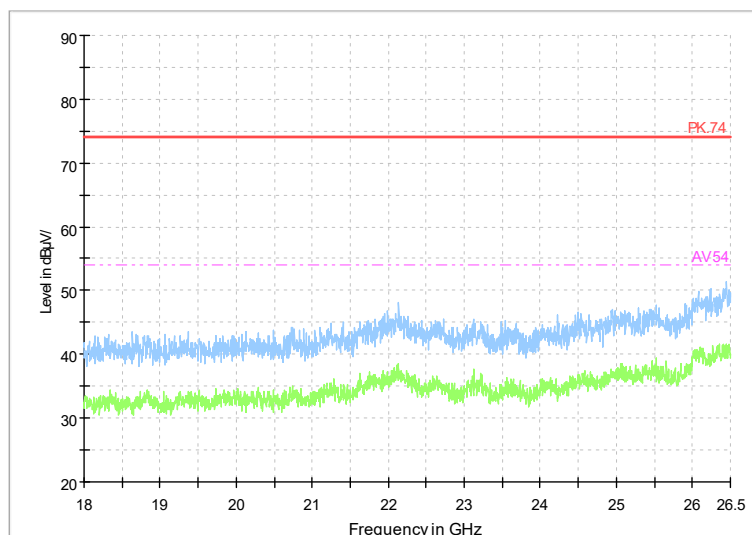


Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE20)

Full Spectrum



Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE20)



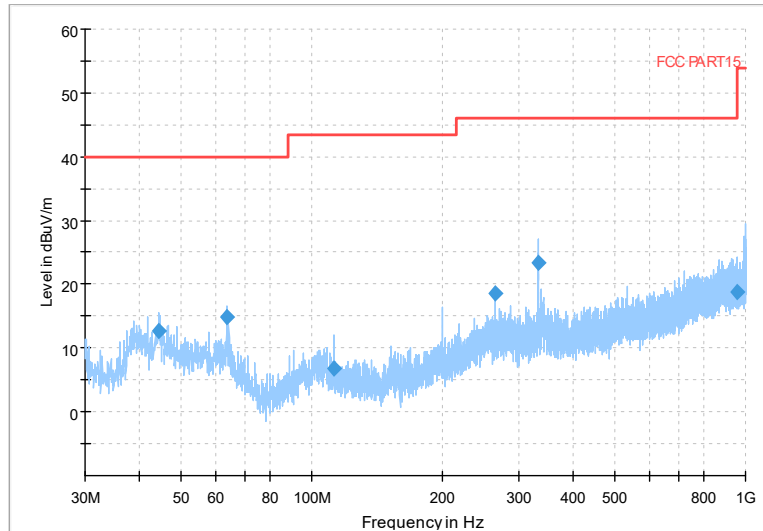
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Test Report No.: PSU-NQN2412260110RF01

Carrier frequency (MHz): 2422

Channel No.:3

Full Spectrum

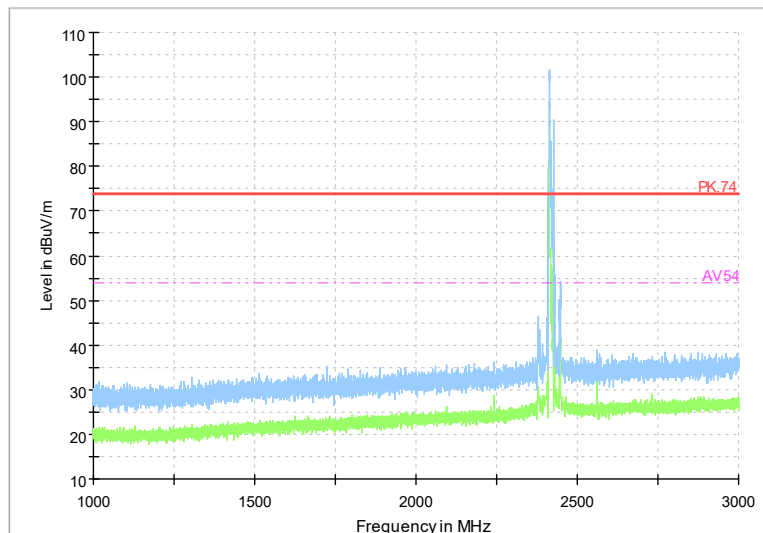


Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE40)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

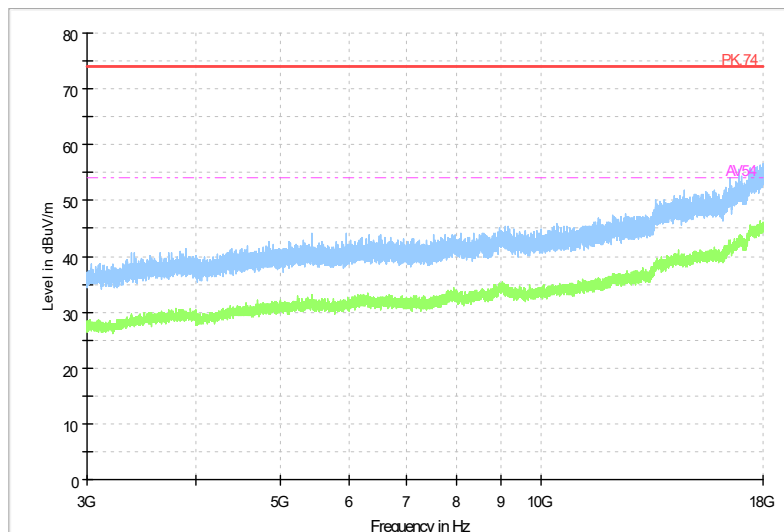
Modulation type: 802.11 ax(HE40)



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Test Report No.: PSU-NQN2412260110RF01

Full Spectrum

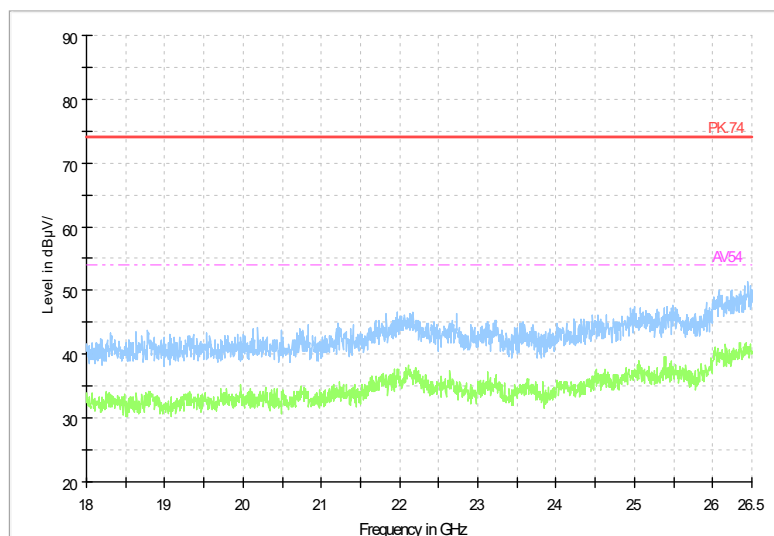


Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)

Full Spectrum



Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)



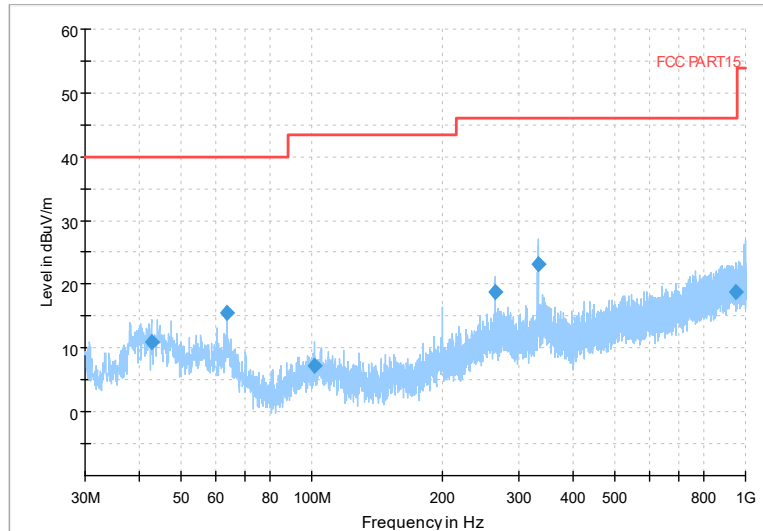
BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

Carrier frequency (MHz): 2437

Channel No.:6

Full Spectrum

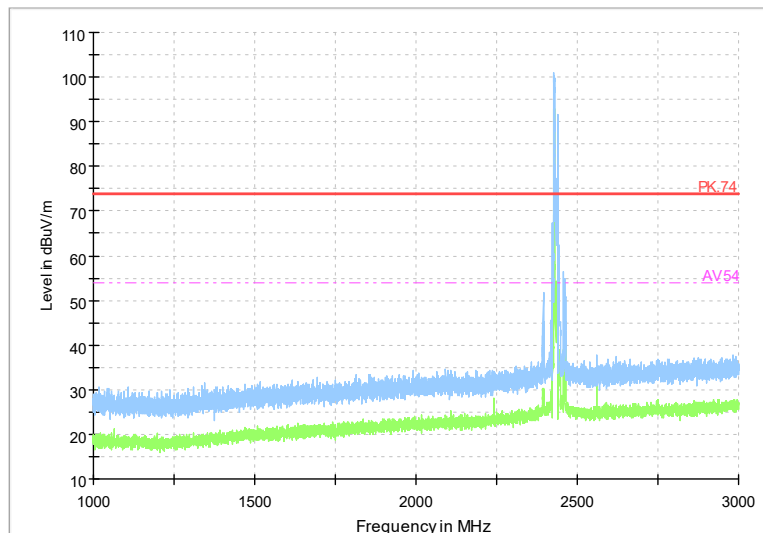


Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE40)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

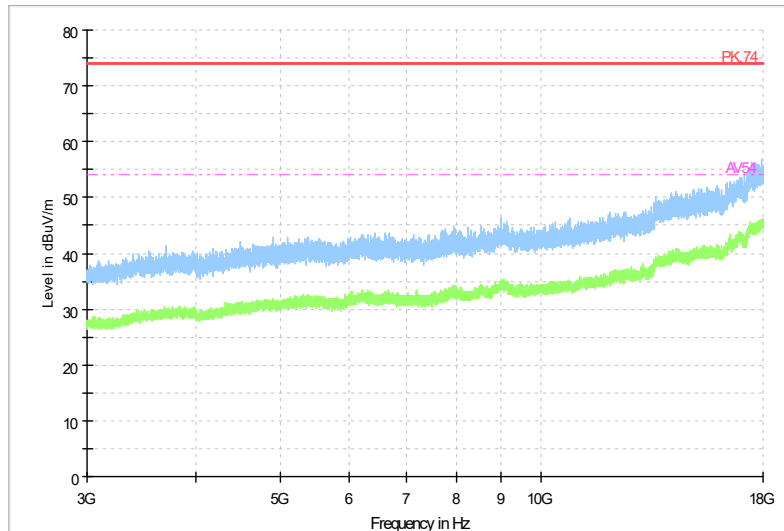
Modulation type: 802.11 ax(HE40)



BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

Full Spectrum

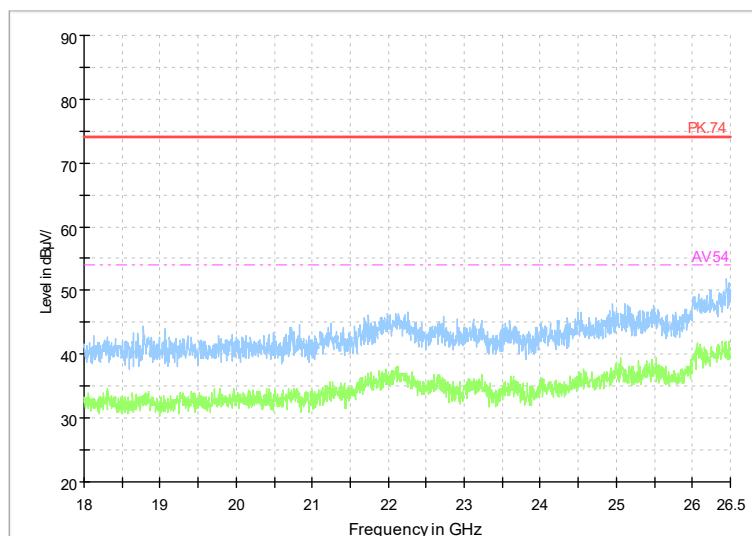


Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)

Full Spectrum



Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)



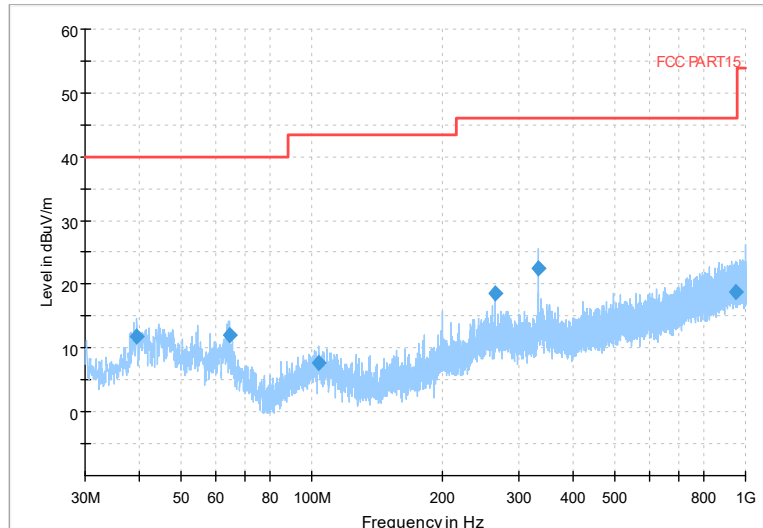
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Test Report No.: PSU-NQN2412260110RF01

Carrier frequency (MHz): 2452

Channel No.:9

Full Spectrum

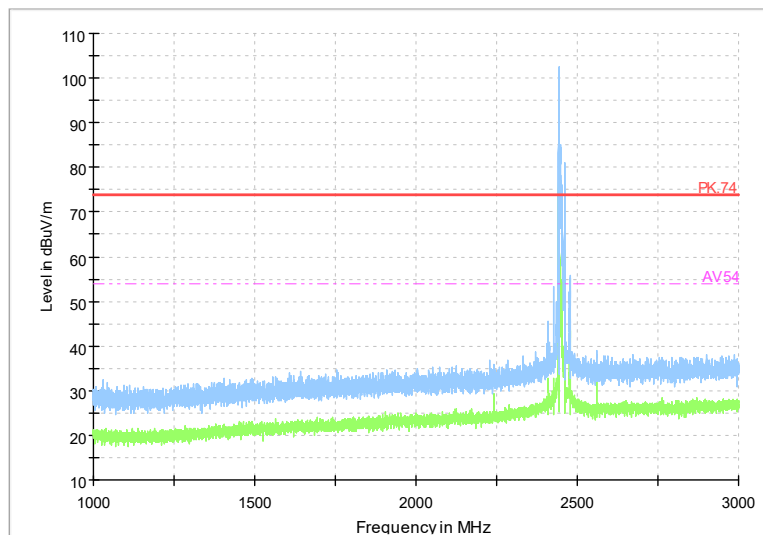


Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE40)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

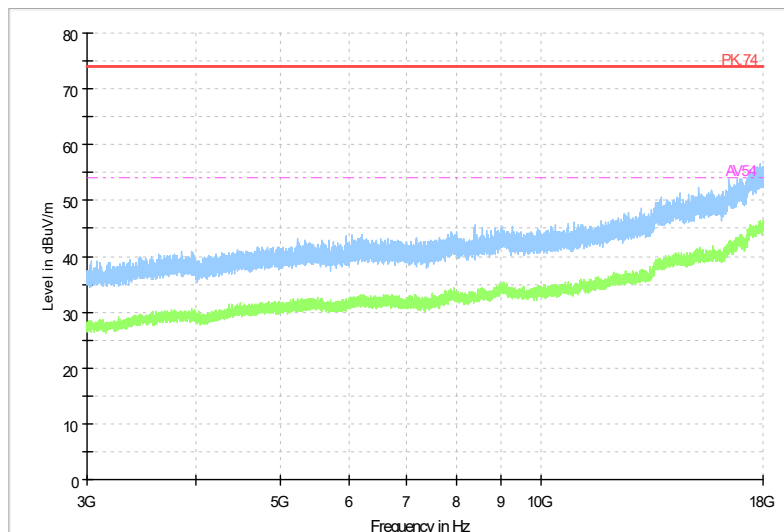
Modulation type: 802.11 ax(HE40)



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VERITAS

Test Report No.: PSU-NQN2412260110RF01

Full Spectrum

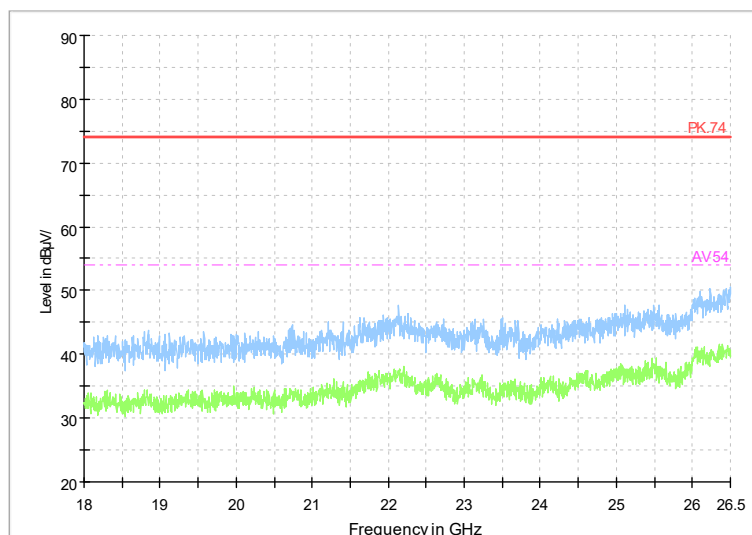


Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)

Full Spectrum



Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)



3.3 6 dB BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

3.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Meter	ANRITSU	ML2495A	1506002	Feb. 13,24	Feb. 12,25
EXA Signal Analyzer	KEYSIGHT	N9010A-526	MY54510523	Feb. 13,24	Feb. 12,25
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.09,24	May.08,25
Power Sensor	ANRITSU	MA2411B	1339352	Feb. 13,24	Feb. 12,25

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in RF Oven room.

3.3.3 TEST PROCEDURE

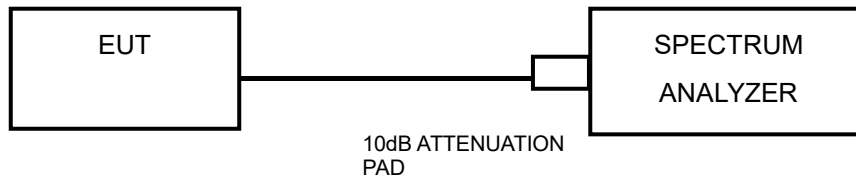
1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



3.3.4 DEVIATION FROM TEST STANDARD

No deviation.

3.3.5 TEST SETUP



3.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



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3.3.7 TEST RESULTS

Please Refer to Appendix1/2 Of this test report.

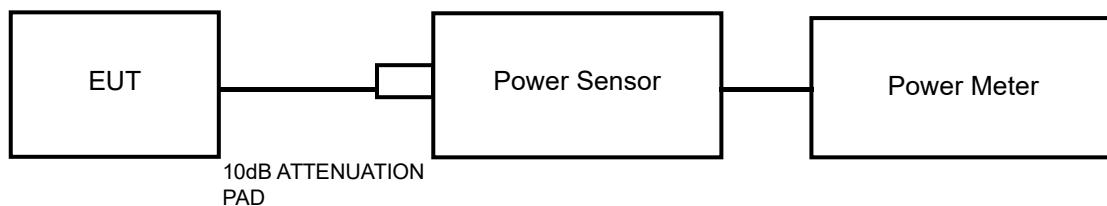


3.4 CONDUCTED OUTPUT POWER

3.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

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

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.4.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



Test Report No.: PSU-NQN2412260110RF01

3.4.7 TEST RESULTS

3.4.7.1 MAXIMUM PEAK OUTPUT POWER

Please Refer to Appendix1/2 Of this test report.



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3.4.7.2 AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

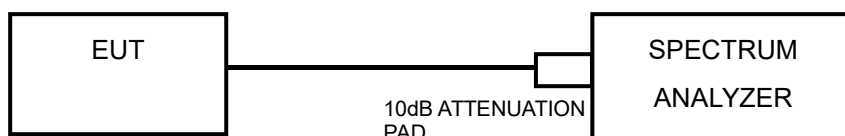
Please Refer to Appendix1/2 Of this test report.

3.5 POWER SPECTRAL DENSITY MEASUREMENT

3.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.5.4 TEST PROCEDURE

1. Set the span to 1.5 times the DTS bandwidth
2. Set the RBW = 3 kHz, VBW $\geq 3 \times$ RBW, Detector = peak.
3. Sweep time = auto couple, Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.



BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

3.5.7 TEST RESULTS

Please Refer to Appendix1/2 Of this test report.

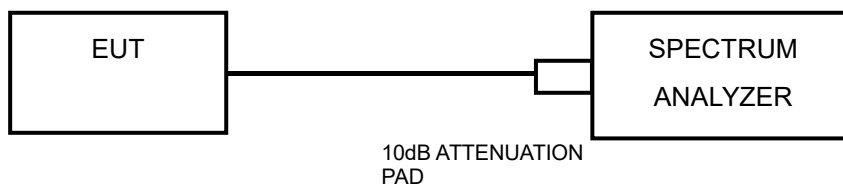


3.6 OUT OF BAND EMISSION MEASUREMENT

3.6.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

3.6.2 TEST SETUP



3.6.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.6.4 TEST PROCEDURE

MEASUREMENT PROCEDURE REF

1. Set the RBW = 100 kHz.
2. Set the VBW $\geq$ 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.



MEASUREMENT PROCEDURE OOBE

1. Set RBW = 100 kHz.
2. Set VBW $\geq$ 300 kHz.
3. Set span to encompass the spectrum to be examined
4. Detector = peak.
5. Trace Mode = max hold.
6. Sweep = auto couple.

3.6.5 DEVIATION FROM TEST STANDARD

No deviation.

3.6.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.6.7 TEST RESULTS

The spectrum plots are attached on the following images. D1 line indicates the highest level. D2 line indicates the 20dB offset below D1. It shows compliance to the requirement.

Please Refer to Appendix1/2 Of this test report.



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Test Report No.: PSU-NQN2412260110RF01

3.7 ANTENNA REQUIREMENTS

3.7.1 STANDARD APPLICABLE

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 ANTENNA CONNECTED CONSTRUCTION

An embedded-in antenna design is used.

3.7.3 ANTENNA GAIN

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit and PSD limit.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



Test Report No.: PSU-NQN2412260110RF01

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.



6 APPENDIX 1

WLAN 2.4G

DTS BANDWIDTH

TEST RESULT

Test Mode	Antenna	6 dB bandwidth(MHz)		
		Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11b	Chain0	9.42	9.74	9.27
802.11g	Chain0	16.41	16.40	16.14
802.11n HT20	Chain0	15.19	17.30	17.35
802.11ax HE20	Chain0	18.93	18.69	18.60

Test Mode	Antenna	6 dB bandwidth(MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	34.23	35.00	34.15
802.11ax HE40	Chain0	37.47	36.94	37.91

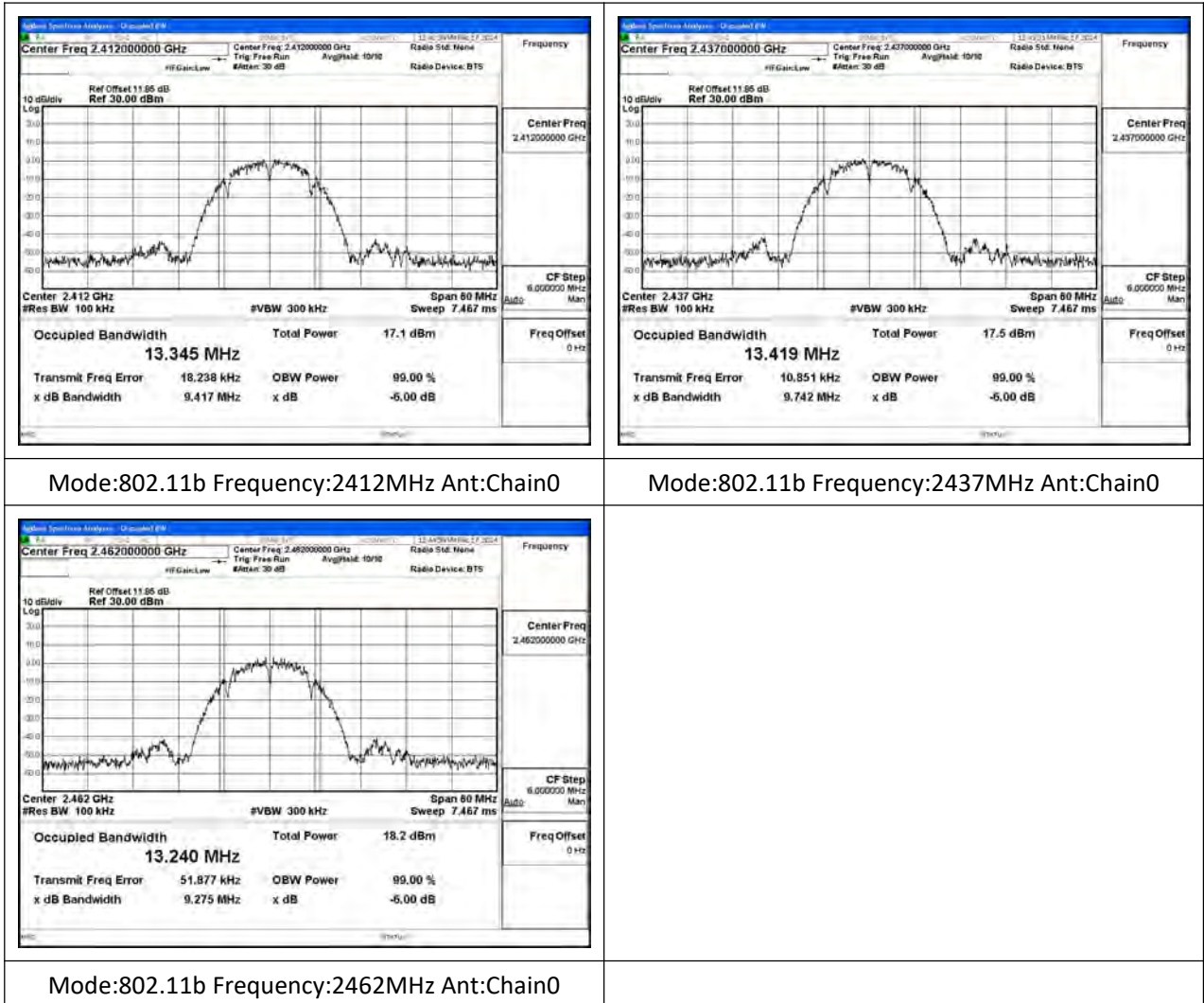
Test Mode	Tones/ RU Index	Antenna	6 dB bandwidth (MHz)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11ax HE20	26T+0	Chain0	2.02	2.04	2.07

Test Mode	Tones/ RU Index	Antenna	6 dB bandwidth (MHz)		
			Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11ax HE40	26T+0	Chain0	2.10	2.11	2.06



TEST GRAPHS

Test Mode: 802.11b

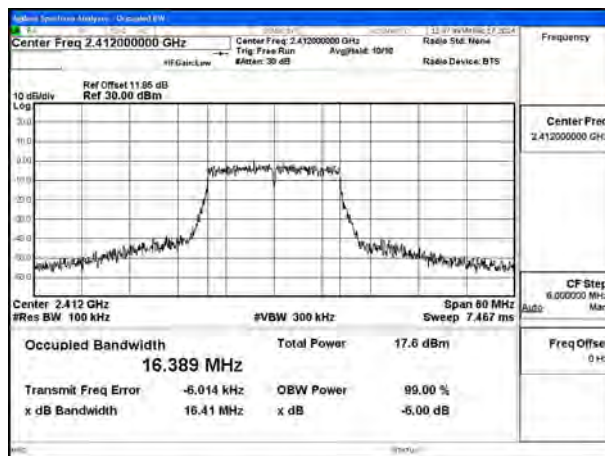


Test Mode: 802.11g

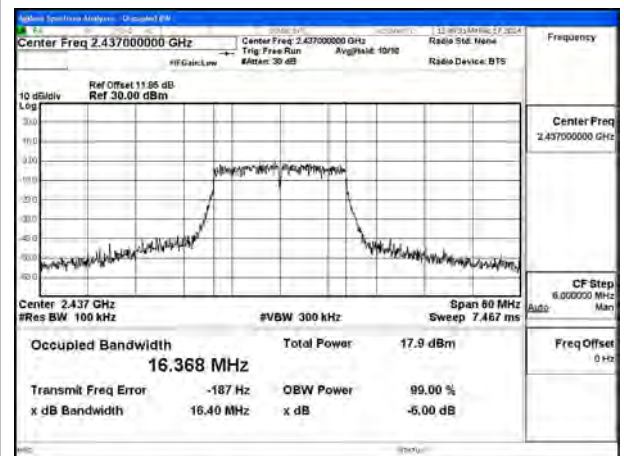


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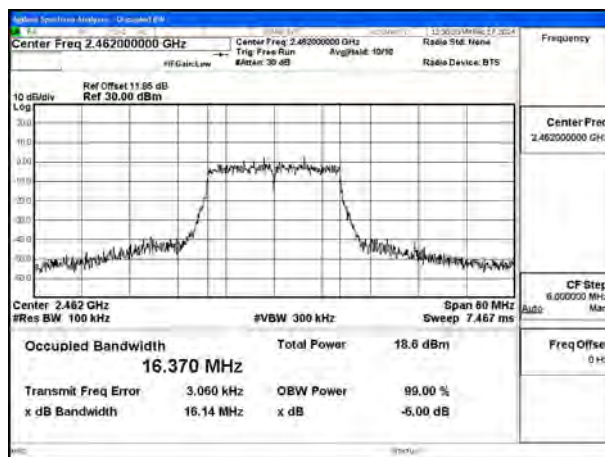
Test Report No.: PSU-NQN2412260110RF01



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0

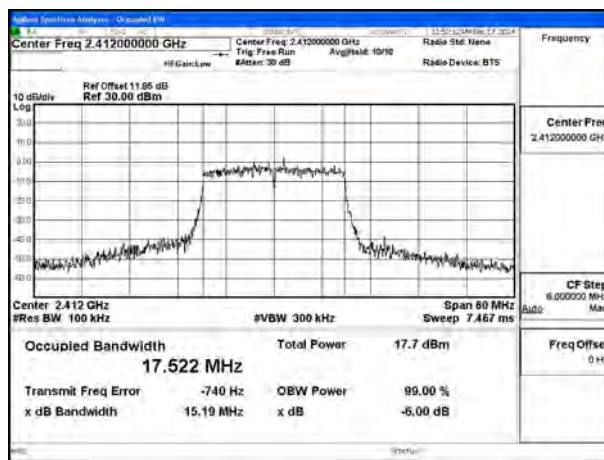


Mode:802.11g Frequency:2462MHz Ant:Chain0



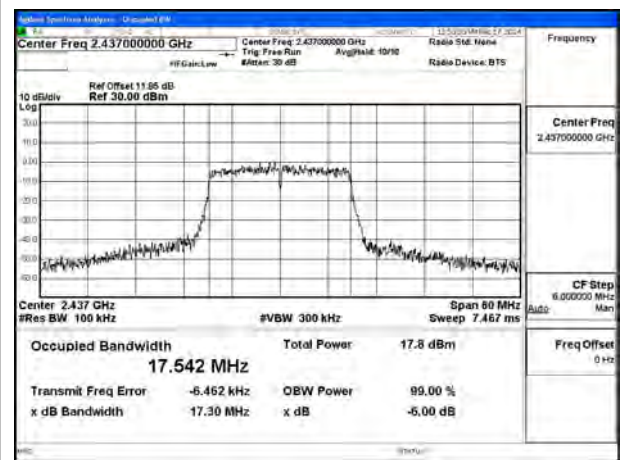
BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

Test Mode: 802.11n HT20



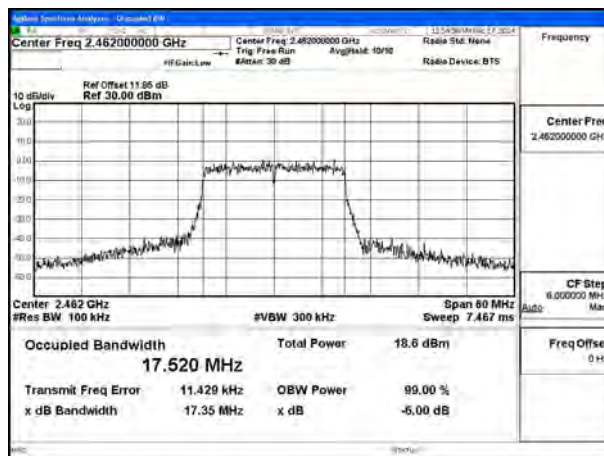
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0



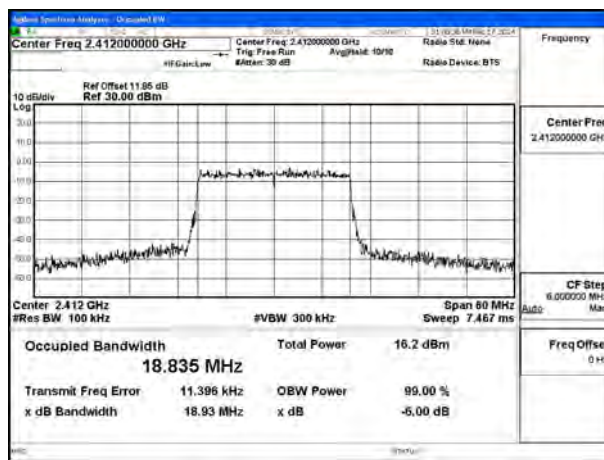
Mode:802.11n HT20 Frequency:2462MHz

Ant:Chain0

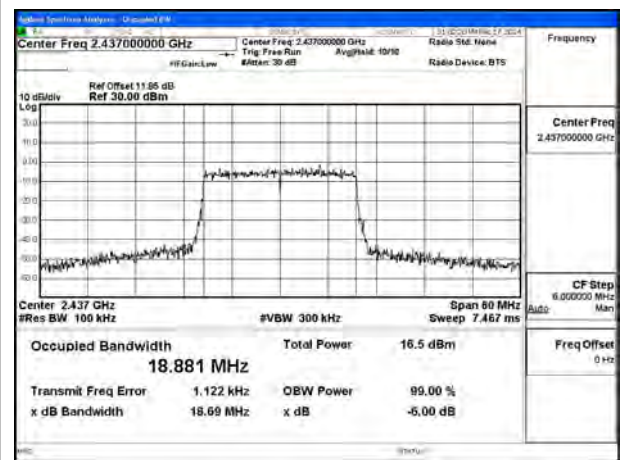


BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

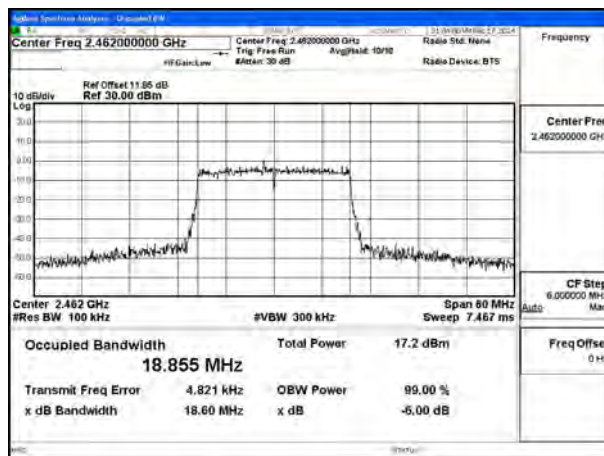
Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Tone:242T
Frequency:2412MHz Ant:Chain0



Mode:802.11ax HE20 Tone:242T
Frequency:2437MHz Ant:Chain0

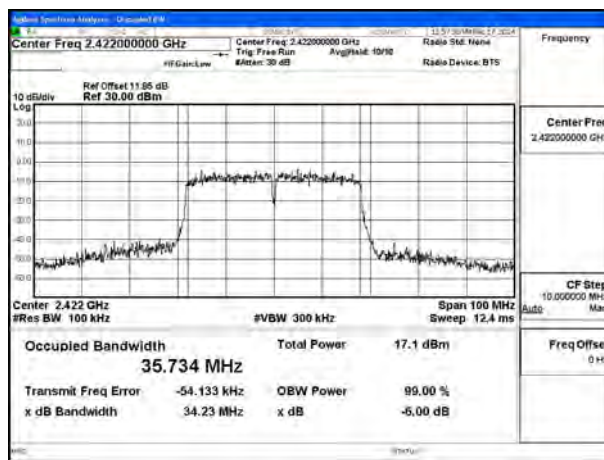


Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Chain0



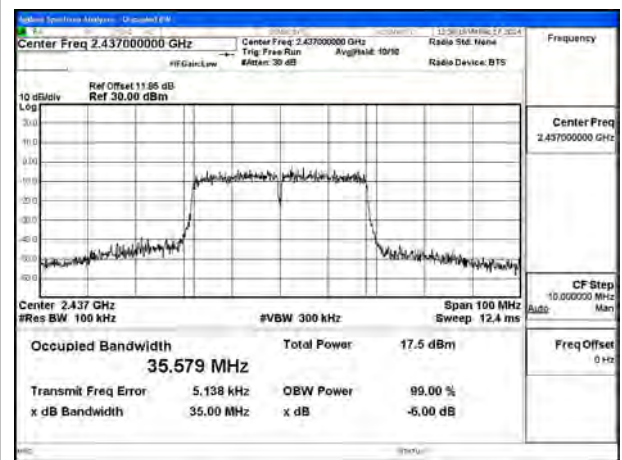
BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

Test Mode: 802.11n HT40



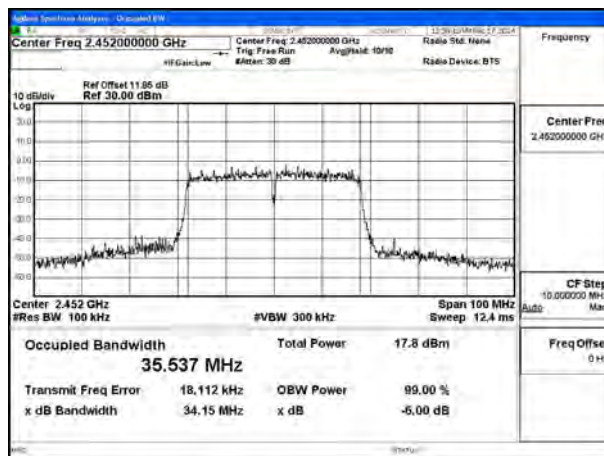
Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2437MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2452MHz

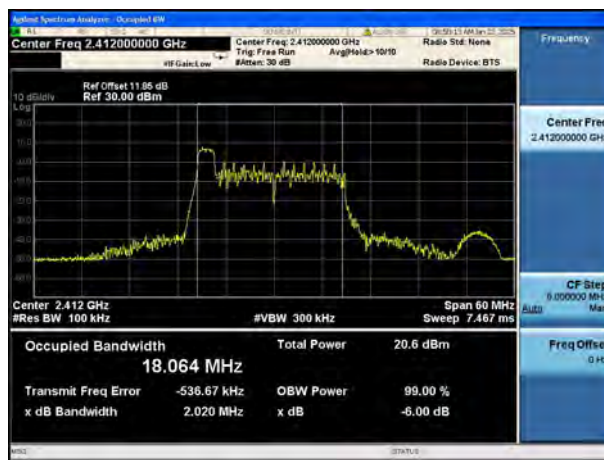
Ant:Chain0



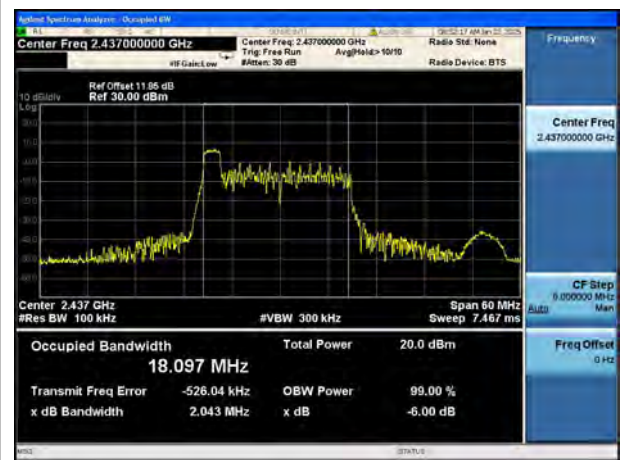


BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

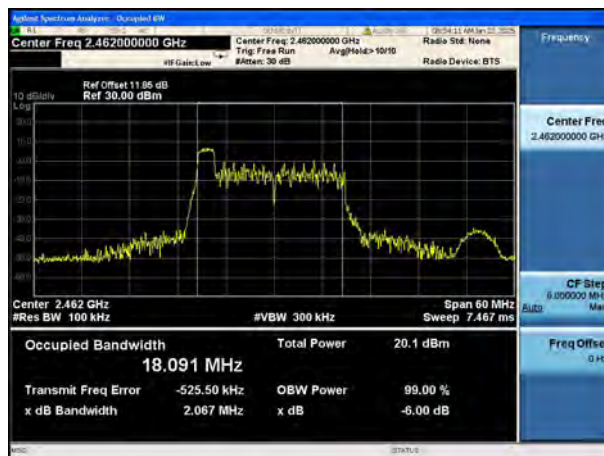
Test Mode: 802.11ax HE20 RU26



Mode:802.11ax HE20 Tone:26T Frequency:2412MHz
Ant:Chain0



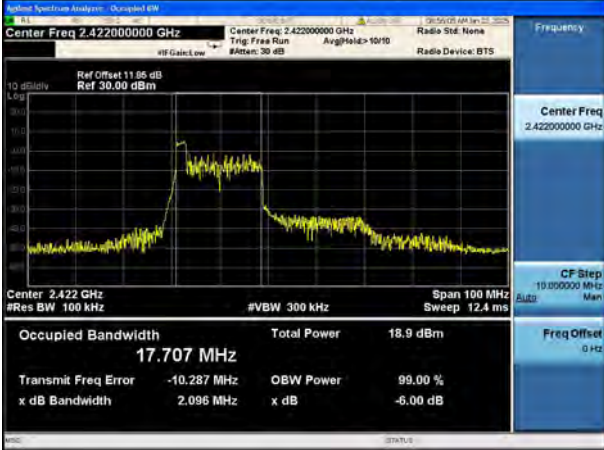
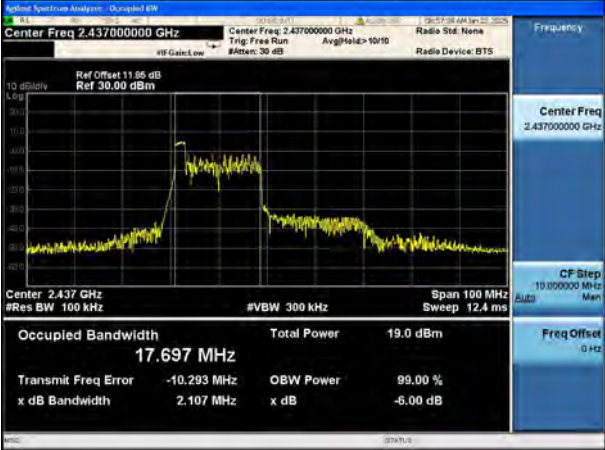
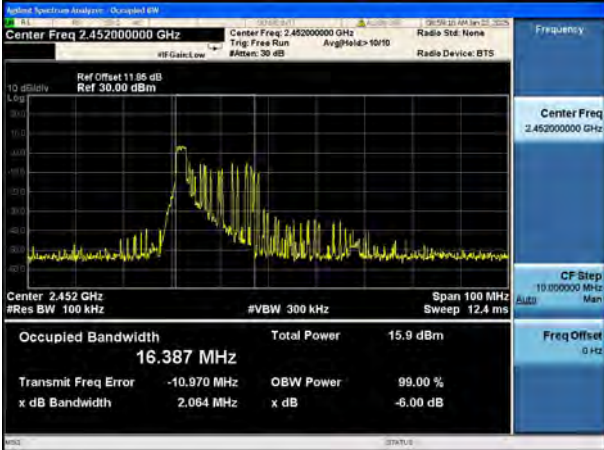
Mode:802.11ax HE20 Tone:26T Frequency:2437MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:2462MHz
Ant:Chain0



Test Mode: 802.11ax HE40 RU26

	
Mode:802.11ax HE40 Tone:484T Frequency:2422MHz Ant:Chain0	Mode:802.11ax HE40 Tone:484T Frequency:2437MHz Ant:Chain0
	
Mode:802.11ax HE40 Tone:484T Frequency:2452MHz Ant:Chain0	



OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

Test Mode	Antenna	99% bandwidth(MHz)		
		Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11b	Chain0	13.373	13.397	13.410
802.11g	Chain0	16.592	16.505	16.638
802.11n HT20	Chain0	17.565	17.655	17.591
802.11ax HE20	Chain0	19.048	19.031	18.951

Test Mode	Antenna	99% bandwidth(MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	35.830	35.762	35.609
802.11ax HE40	Chain0	37.707	37.720	37.704

Test Mode	Tones/ RU Index	Antenna	99% bandwidth (MHz)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11ax HE20	26T+0	Chain0	18.435	18.400	18.428

Test Mode	Tones/ RU Index	Antenna	99% bandwidth (MHz)		
			Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11ax HE40	26T+0	Chain0	18.232	18.250	18.284

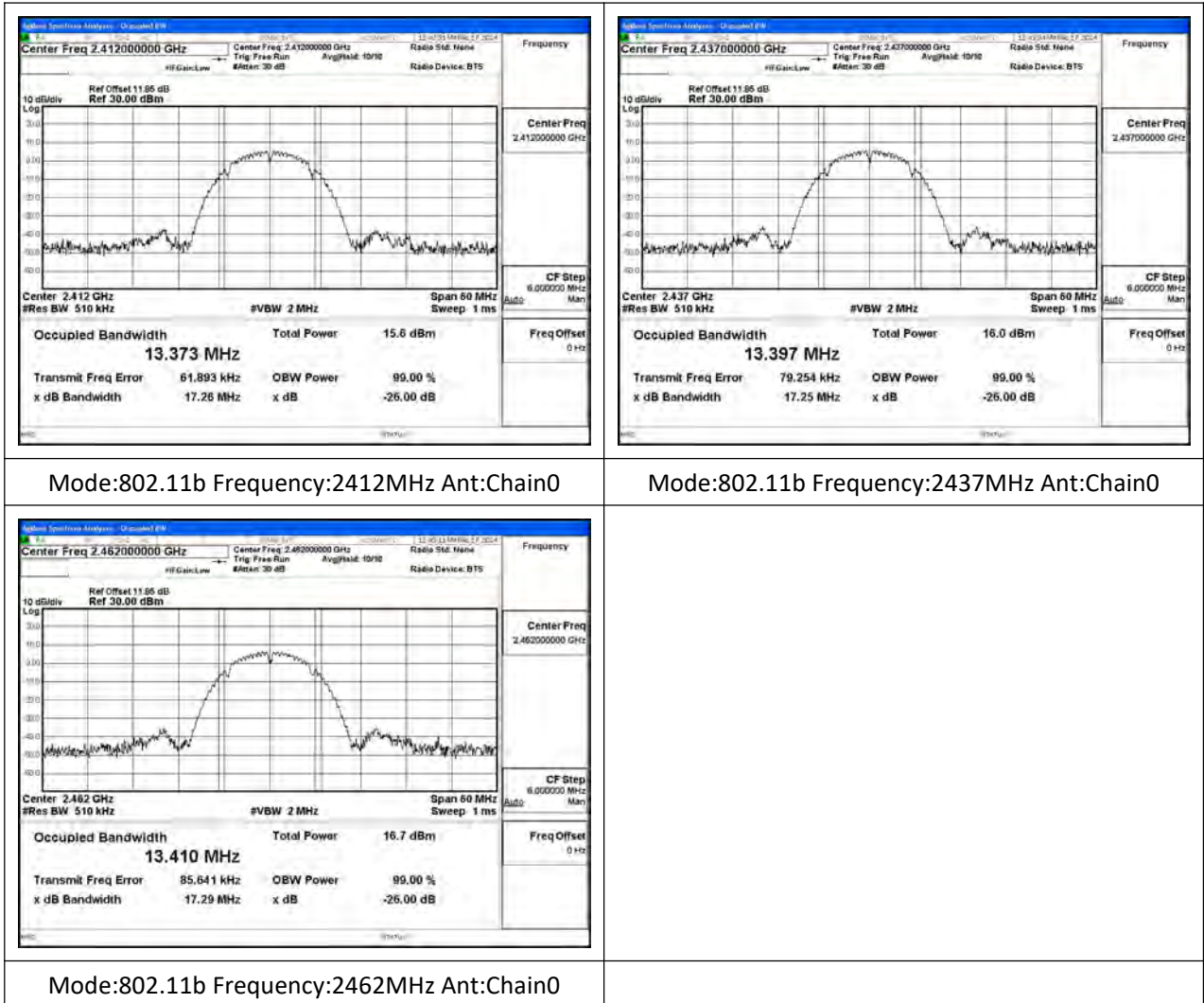


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TEST GRAPHS

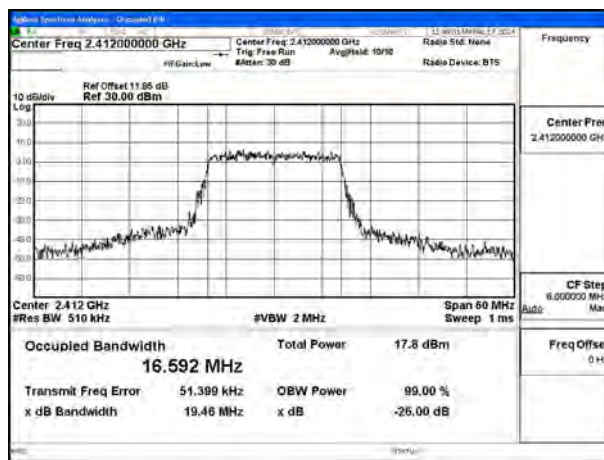
Test Mode: 802.11b



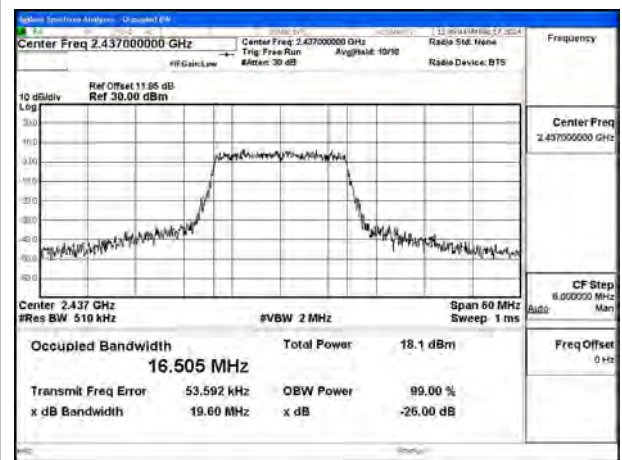


BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

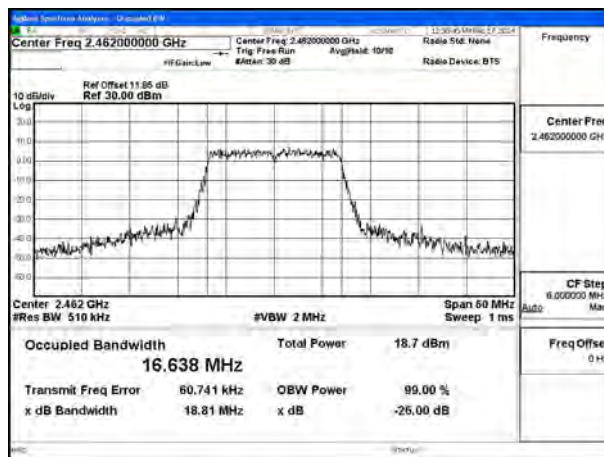
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



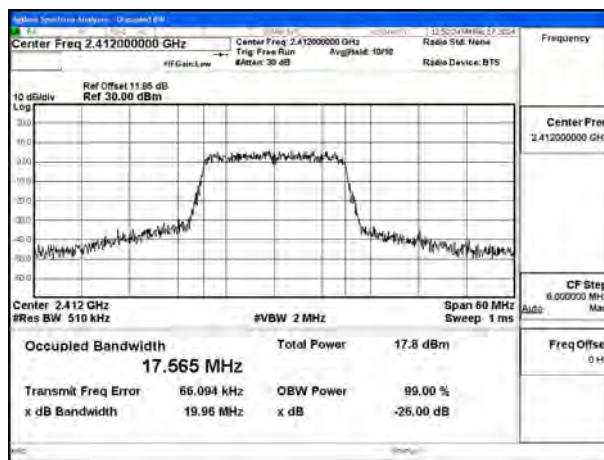
Mode:802.11g Frequency:2437MHz Ant:Chain0



Mode:802.11g Frequency:2462MHz Ant:Chain0

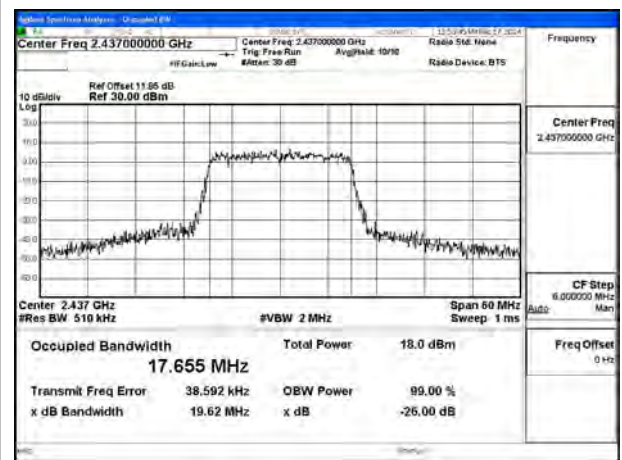


Test Mode: 802.11n HT20



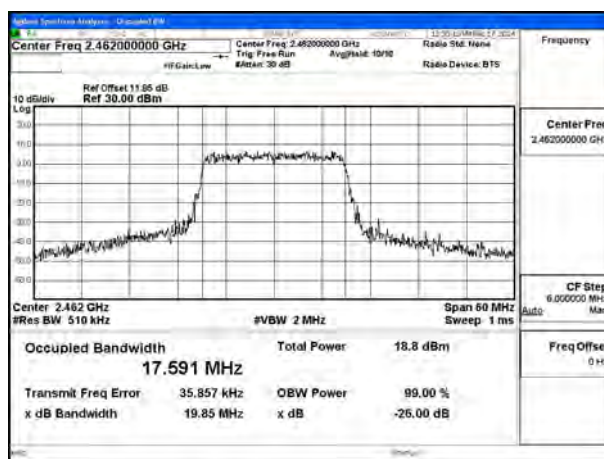
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0



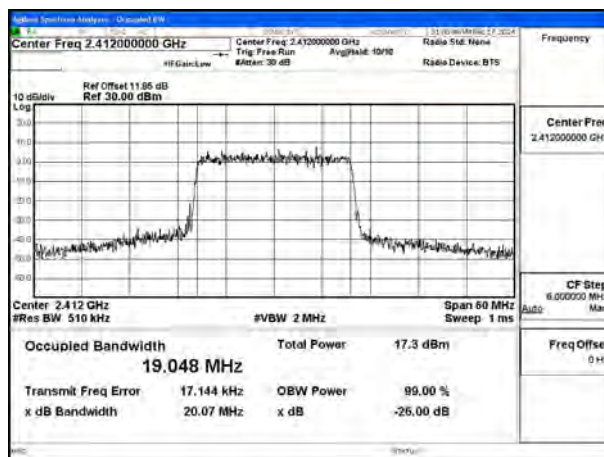
Mode:802.11n HT20 Frequency:2462MHz

Ant:Chain0

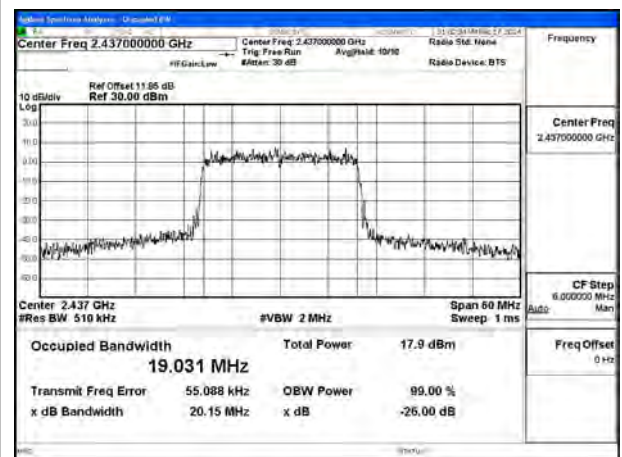


BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

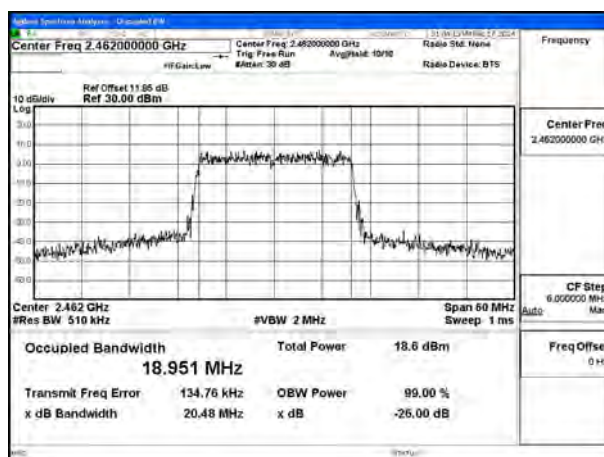
Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Tone:242T
Frequency:2412MHz Ant:Chain0



Mode:802.11ax HE20 Tone:242T
Frequency:2437MHz Ant:Chain0

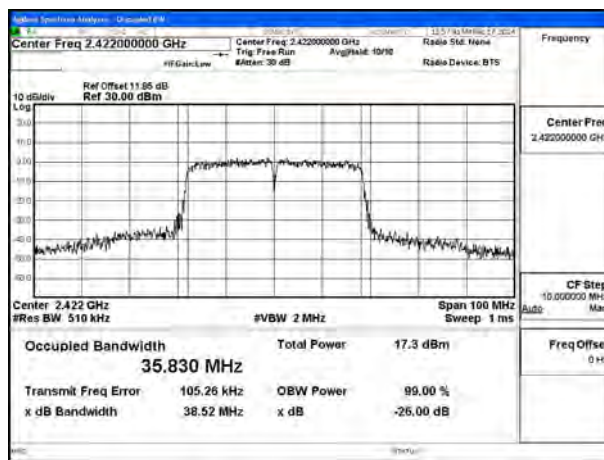


Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Chain0



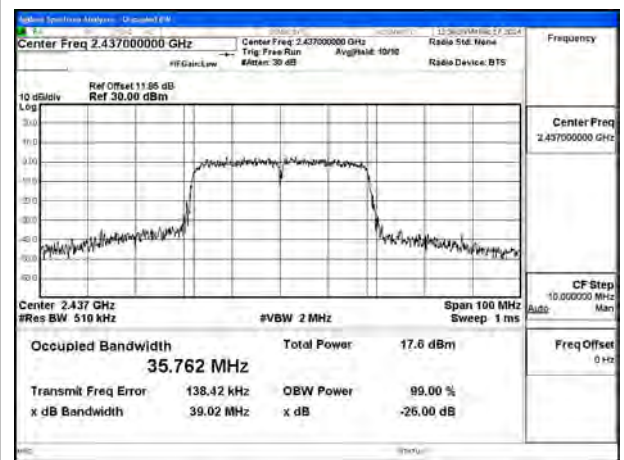
BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

Test Mode: 802.11n HT40



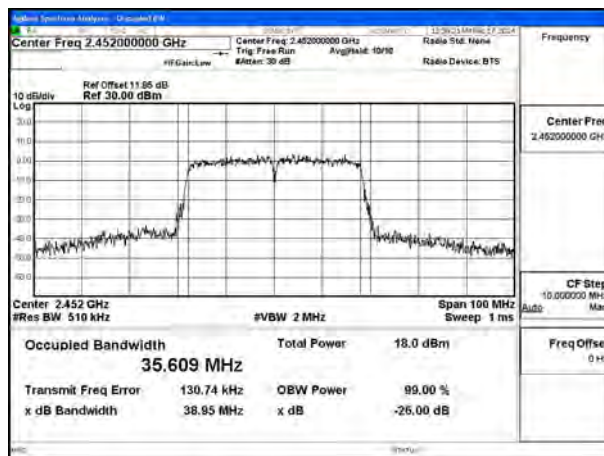
Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2437MHz

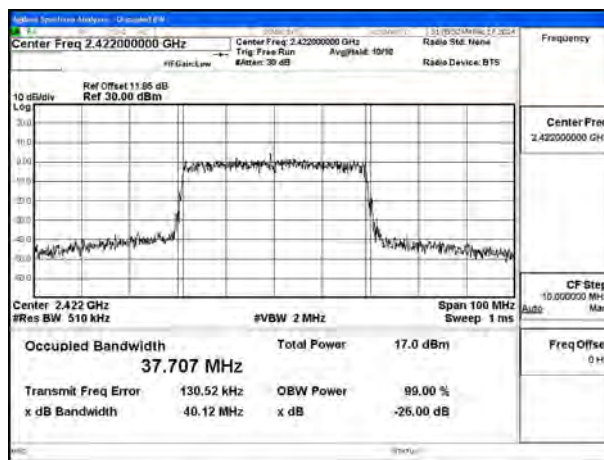
Ant:Chain0



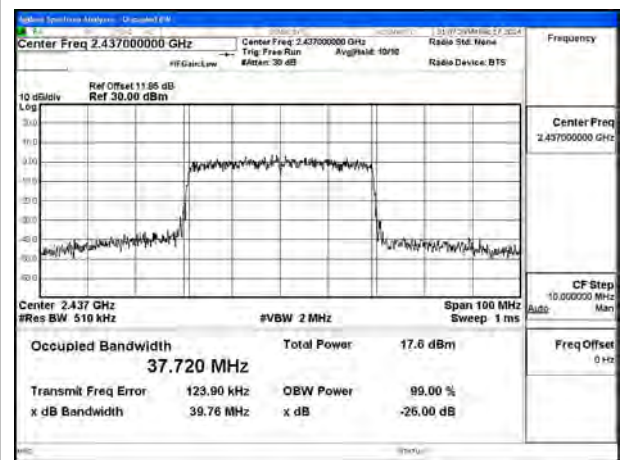
Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0

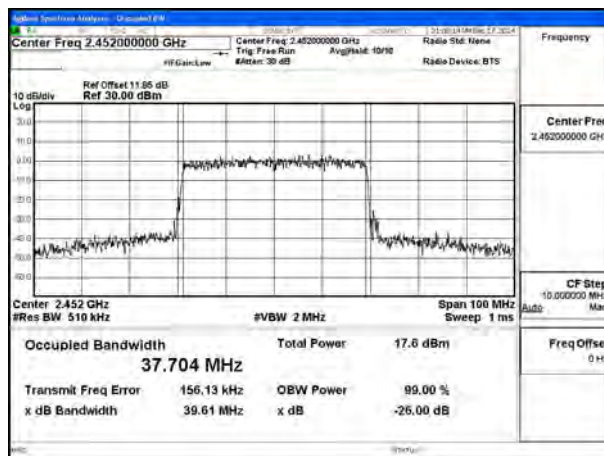
Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Tone:484T
Frequency:2422MHz Ant:Chain0



Mode:802.11ax HE40 Tone:484T
Frequency:2437MHz Ant:Chain0



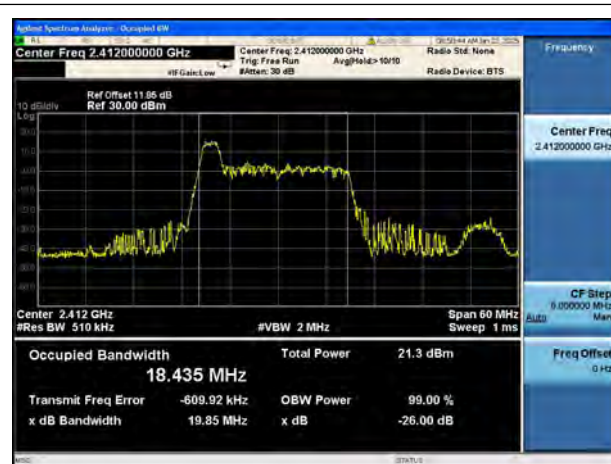
Mode:802.11ax HE40 Tone:484T
Frequency:2452MHz Ant:Chain0



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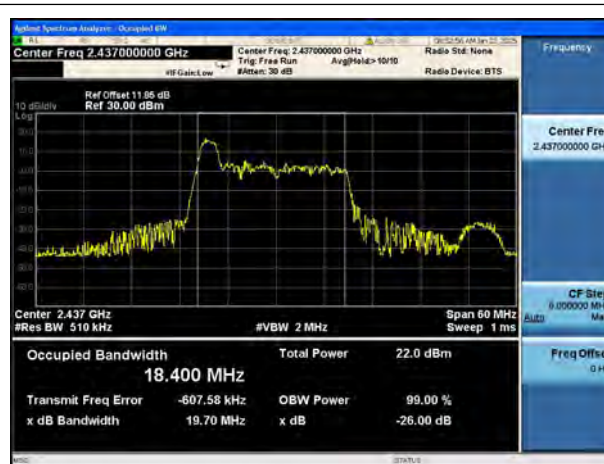
Test Report No.: PSU-NQN2412260110RF01

Test Mode: 802.11ax HE20 RU26



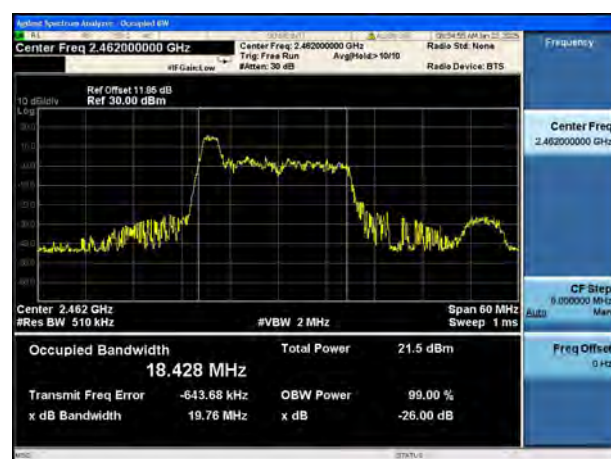
Mode:802.11ax HE20 Tone:26T Frequency:2412MHz

Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:2437MHz

Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:2462MHz

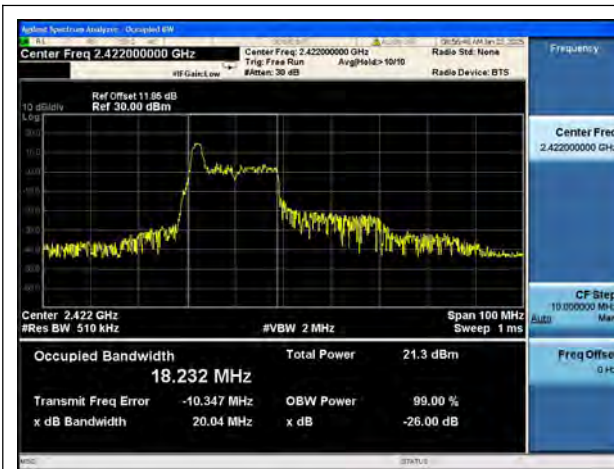
Ant:Chain0



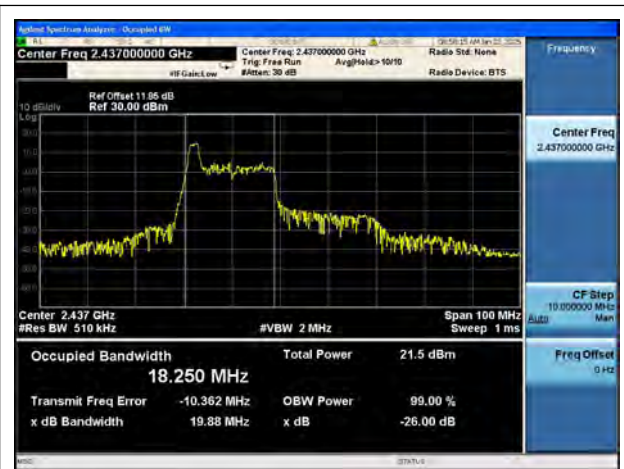
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Test Report No.: PSU-NQN2412260110RF01

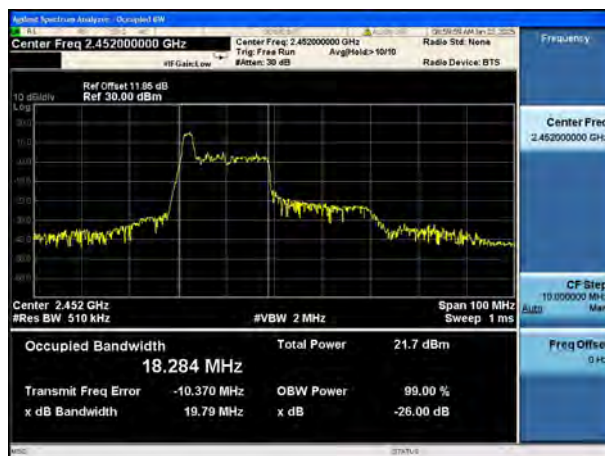
Test Mode: 802.11ax HE40 RU26



Mode:802.11ax HE40 Tone:26T Frequency:2422MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:26T Frequency:2437MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:26T Frequency:2452MHz
Ant:Chain0



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MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT

NOTE: EIRP = Peak Power + Gain

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)	EIRP (dBm)
802.11b	NA	2412	Chain0	16.51	13.61	14.01
802.11b	NA	2437	Chain0	16.95	14.04	14.44
802.11b	NA	2462	Chain0	17.61	14.65	15.05
802.11g	NA	2412	Chain0	21.61	14.52	14.92
802.11g	NA	2437	Chain0	21.93	14.80	15.2
802.11g	NA	2462	Chain0	22.63	15.47	15.87
802.11n HT20	NA	2412	Chain0	21.82	14.39	14.79
802.11n HT20	NA	2437	Chain0	22.15	14.70	15.1
802.11n HT20	NA	2462	Chain0	22.84	15.37	15.77
802.11n HT40	NA	2422	Chain0	21.27	14.06	14.46
802.11n HT40	NA	2437	Chain0	21.58	14.34	14.74
802.11n HT40	NA	2452	Chain0	21.84	14.64	15.04

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)	EIRP (dBm)
802.11ax HE20	26T+0	2412	Chain0	20.82	12.89	13.29
802.11ax HE20	26T+0	2437	Chain0	21.65	13.20	13.60
802.11ax HE20	26T+0	2462	Chain0	22.03	13.70	14.10
802.11ax HE20	26T+4	2412	Chain0	21.69	13.70	14.10
802.11ax HE20	26T+4	2437	Chain0	22.48	14.16	14.56
802.11ax HE20	26T+4	2462	Chain0	22.97	14.71	15.11
802.11ax HE20	26T+8	2412	Chain0	21.14	12.99	13.39
802.11ax HE20	26T+8	2437	Chain0	21.21	13.39	13.79
802.11ax HE20	26T+8	2462	Chain0	22.45	14.20	14.60
802.11ax HE20	52T+37	2412	Chain0	21.44	12.94	13.34

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802.11ax HE20	52T+37	2437	Chain0	21.79	13.42	13.82
802.11ax HE20	52T+37	2462	Chain0	22.27	13.92	14.32
802.11ax HE20	52T+39	2412	Chain0	21.78	13.53	13.93
802.11ax HE20	52T+39	2437	Chain0	22.06	14.01	14.41
802.11ax HE20	52T+39	2462	Chain0	23.00	14.81	15.21
802.11ax HE20	52T+40	2412	Chain0	21.55	13.06	13.46
802.11ax HE20	52T+40	2437	Chain0	22.04	13.66	14.06
802.11ax HE20	52T+40	2462	Chain0	22.59	14.26	14.66
802.11ax HE20	106T+53	2412	Chain0	21.29	13.13	13.53
802.11ax HE20	106T+53	2437	Chain0	21.71	13.58	13.98
802.11ax HE20	106T+53	2462	Chain0	22.26	14.18	14.58
802.11ax HE20	106T+54	2412	Chain0	21.35	13.28	13.68
802.11ax HE20	106T+54	2437	Chain0	21.94	13.61	14.01
802.11ax HE20	106T+54	2462	Chain0	22.61	14.44	14.84
802.11ax HE20	242T+61	2412	Chain0	22.16	13.37	13.77
802.11ax HE20	242T+61	2437	Chain0	22.61	13.86	14.26
802.11ax HE20	242T+61	2462	Chain0	23.31	14.48	14.88
802.11ax HE40	26T+0	2422	Chain0	20.83	12.06	12.46
802.11ax HE40	26T+0	2437	Chain0	20.93	12.35	12.75
802.11ax HE40	26T+0	2452	Chain0	21.27	12.63	13.03
802.11ax HE40	26T+10	2422	Chain0	21.78	13.78	14.18
802.11ax HE40	26T+10	2437	Chain0	22.26	14.19	14.59
802.11ax HE40	26T+10	2452	Chain0	22.49	14.58	14.98
802.11ax HE40	26T+17	2422	Chain0	20.84	12.30	12.70
802.11ax HE40	26T+17	2437	Chain0	21.84	12.75	13.15
802.11ax HE40	26T+17	2452	Chain0	21.94	13.19	13.59
802.11ax HE40	52T+37	2422	Chain0	20.53	12.26	12.66
802.11ax HE40	52T+37	2437	Chain0	20.68	12.60	13.00
802.11ax HE40	52T+37	2452	Chain0	21.22	12.70	13.10
802.11ax HE40	52T+41	2422	Chain0	21.93	13.65	14.05
802.11ax HE40	52T+41	2437	Chain0	22.45	14.17	14.57
802.11ax HE40	52T+41	2452	Chain0	22.85	14.53	14.93
802.11ax HE40	52T+44	2422	Chain0	20.71	12.37	12.77
802.11ax HE40	52T+44	2437	Chain0	21.47	12.97	13.37
802.11ax HE40	52T+44	2452	Chain0	22.31	13.34	13.74

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802.11ax HE40	106T+53	2422	Chain0	20.79	12.49	12.89
802.11ax HE40	106T+53	2437	Chain0	21.09	12.78	13.18
802.11ax HE40	106T+53	2452	Chain0	20.83	12.89	13.29
802.11ax HE40	106T+55	2422	Chain0	21.86	13.59	13.99
802.11ax HE40	106T+55	2437	Chain0	21.92	13.88	14.28
802.11ax HE40	106T+55	2452	Chain0	22.72	14.42	14.82
802.11ax HE40	106T+56	2422	Chain0	20.51	12.67	13.07
802.11ax HE40	106T+56	2437	Chain0	21.46	13.29	13.69
802.11ax HE40	106T+56	2452	Chain0	21.64	13.56	13.96
802.11ax HE40	242T+61	2422	Chain0	20.87	12.98	13.38
802.11ax HE40	242T+61	2437	Chain0	21.21	13.34	13.74
802.11ax HE40	242T+61	2452	Chain0	21.43	13.53	13.93
802.11ax HE40	242T+62	2422	Chain0	21.03	13.12	13.52
802.11ax HE40	242T+62	2437	Chain0	21.61	13.56	13.96
802.11ax HE40	242T+62	2452	Chain0	21.89	13.95	14.35
802.11ax HE40	484T+65	2422	Chain0	20.99	13.22	13.62
802.11ax HE40	484T+65	2437	Chain0	21.49	13.64	14.04
802.11ax HE40	484T+65	2452	Chain0	21.76	13.94	14.34

**MAXIMUM POWER SPECTRAL DENSITY****TEST RESULT**

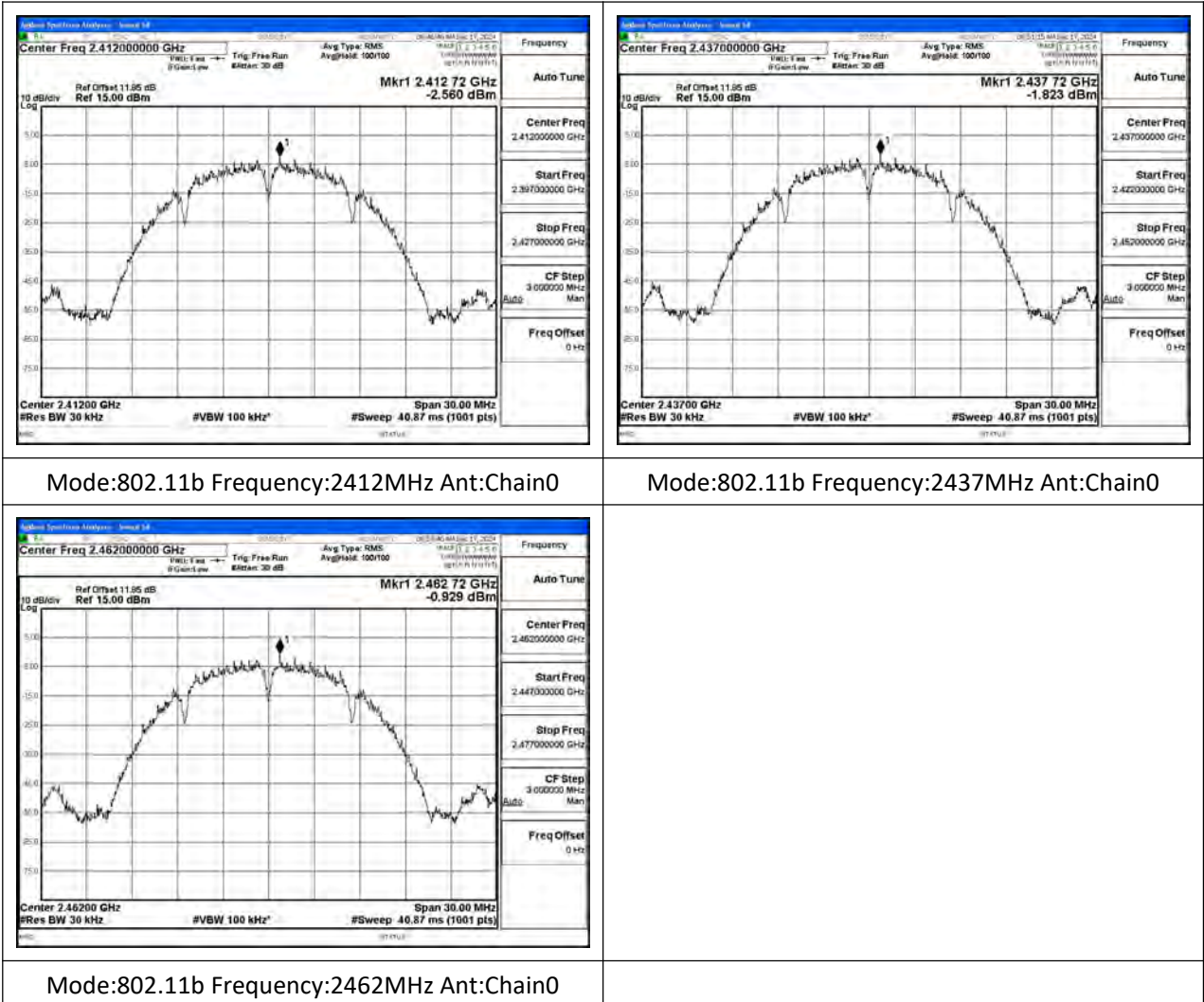
Test Mode	Antenna	Tones	Power Density(dBm/3KHz)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11b	Chain0	NA	-12.560	-11.823	-10.929
802.11g	Chain0	NA	-12.789	-13.987	-13.767
802.11n HT20	Chain0	NA	-14.058	-14.070	-12.920
802.11ax HE20	Chain0	26T	-9.412	-9.162	-8.928
802.11ax HE20	Chain0	52T	-12.422	-11.801	-11.332
802.11ax HE20	Chain0	106T	-14.398	-14.342	-13.807
802.11ax HE20	Chain0	242T	-15.012	-14.884	-15.004

Test Mode	Antenna	Tones	Power Density(dBm/3KHz)		
			Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	NA	-17.700	-16.391	-16.533
802.11ax HE40	Chain0	26T	-11.007	-11.268	-10.429
802.11ax HE40	Chain0	52T	-14.148	-13.835	-13.699
802.11ax HE40	Chain0	106T	-16.572	-16.127	-16.018
802.11ax HE40	Chain0	242T	-17.797	-17.477	-17.061
802.11ax HE40	Chain0	484T	-19.596	-19.417	-19.240



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TEST GRAPHS

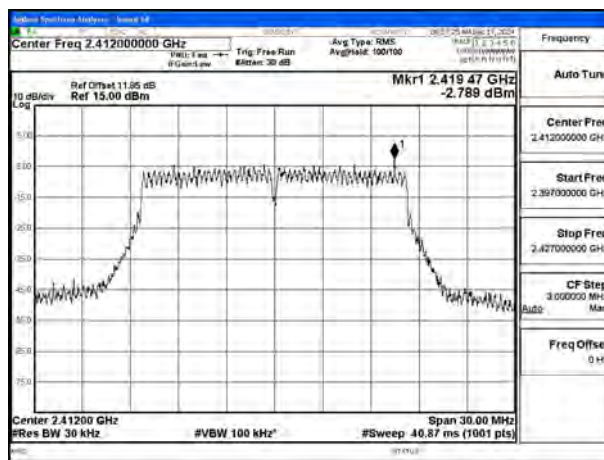
Test Mode: 802.11b



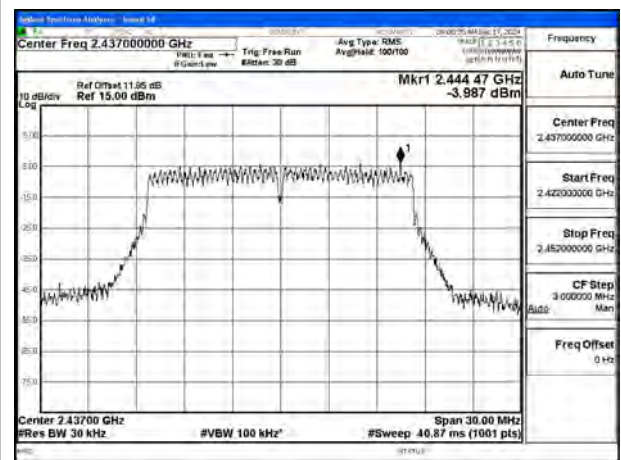


BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

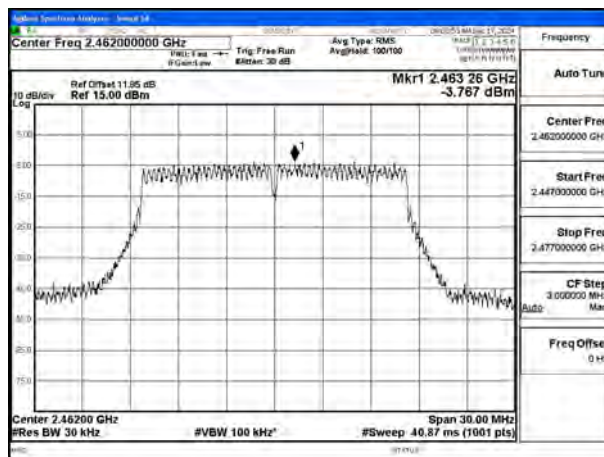
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0

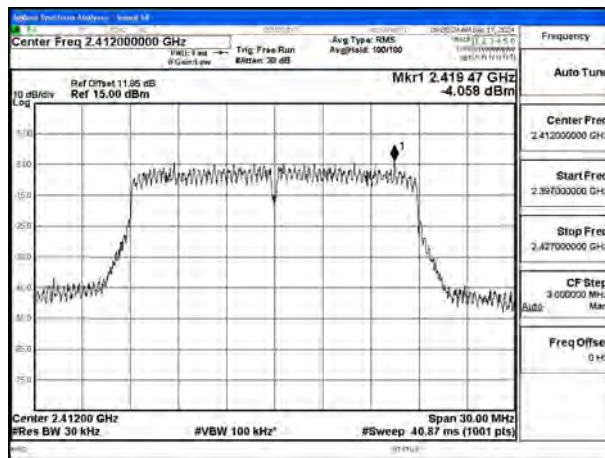


Mode:802.11g Frequency:2462MHz Ant:Chain0



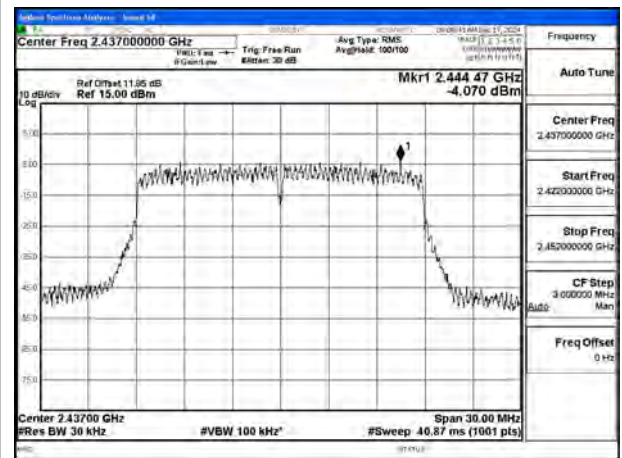
BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

Test Mode: 802.11n HT20



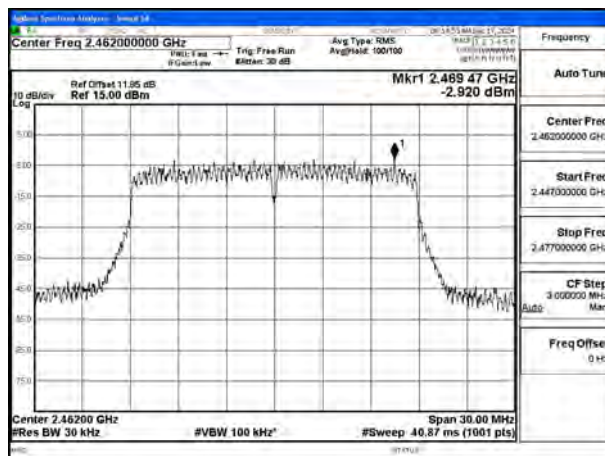
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz

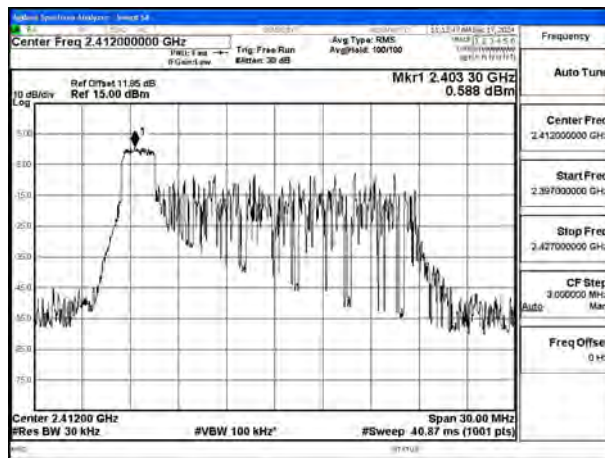
Ant:Chain0



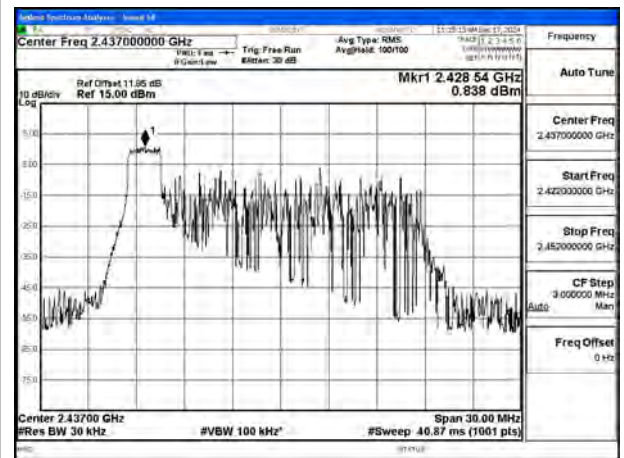
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Test Report No.: PSU-NQN2412260110RF01

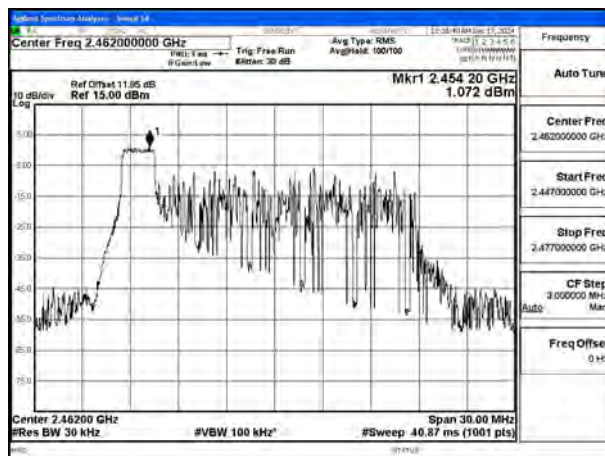
Test Mode: 802.11ax HE20



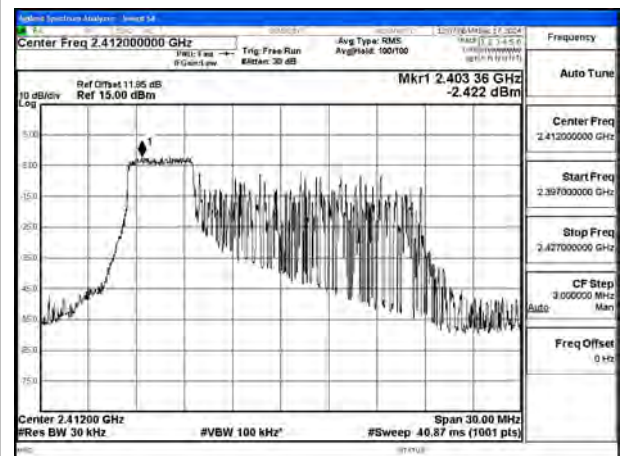
Mode:802.11ax HE20 Tone:26T Frequency:2412MHz
Ant:Chain0



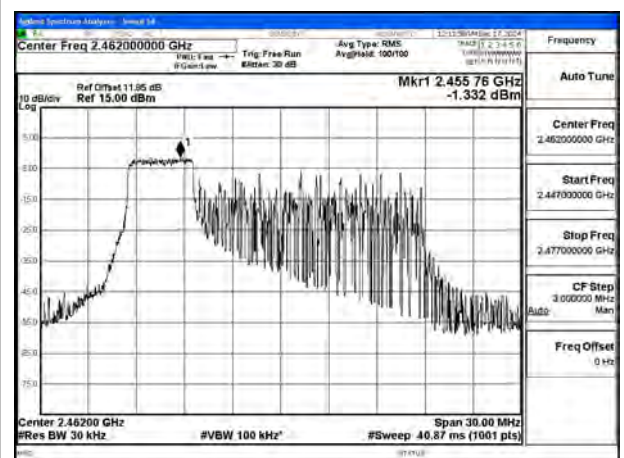
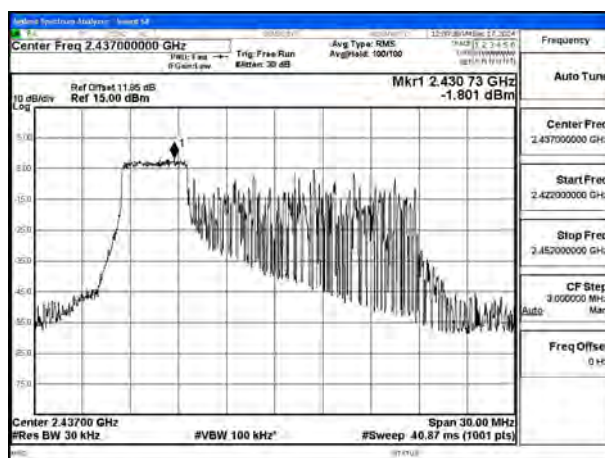
Mode:802.11ax HE20 Tone:26T Frequency:2437MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:2462MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:52T Frequency:2412MHz
Ant:Chain0



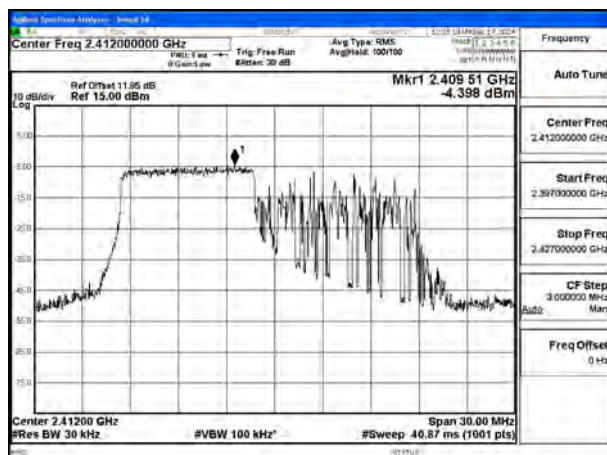


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Test Report No.: PSU-NQN2412260110RF01

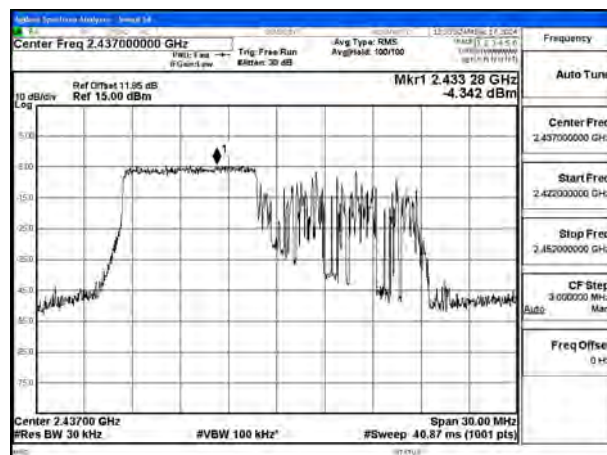
Mode:802.11ax HE20 Tone:52T Frequency:2437MHz

Ant:Chain0



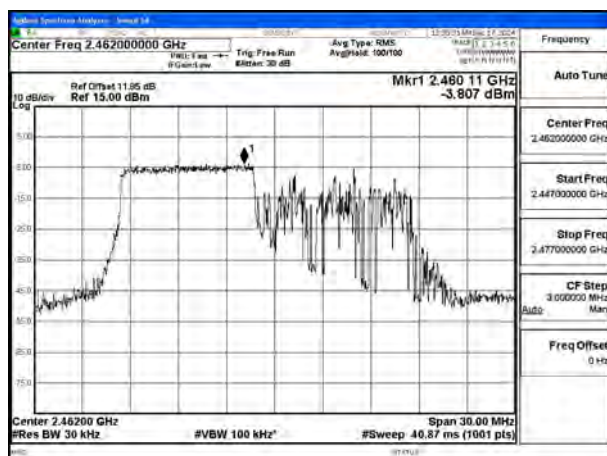
Mode:802.11ax HE20 Tone:52T Frequency:2462MHz

Ant:Chain0



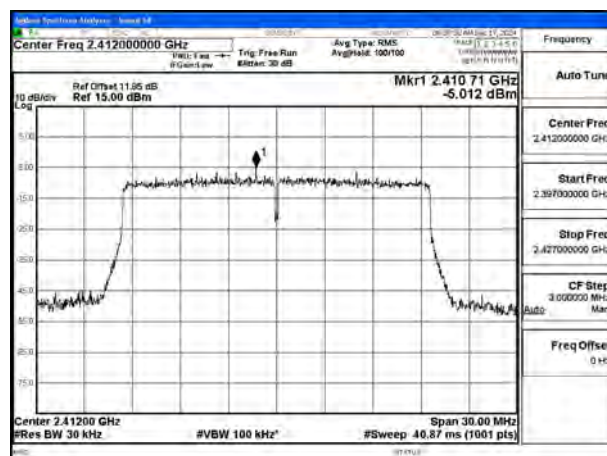
Mode:802.11ax HE20 Tone:106T

Frequency:2412MHz Ant:Chain0



Mode:802.11ax HE20 Tone:106T

Frequency:2437MHz Ant:Chain0



Mode:802.11ax HE20 Tone:106T

Frequency:2462MHz Ant:Chain0

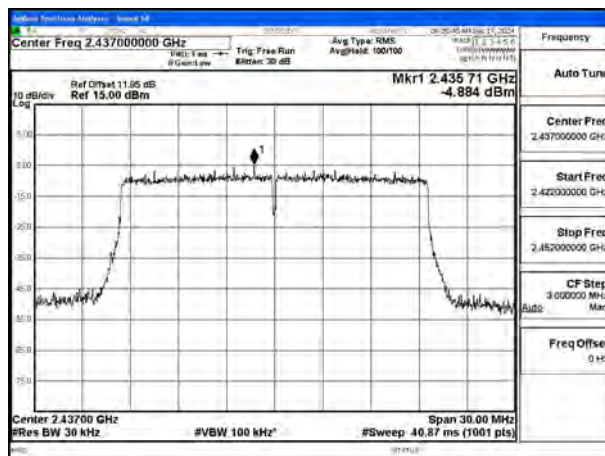
Mode:802.11ax HE20 Tone:242T

Frequency:2412MHz Ant:Chain0

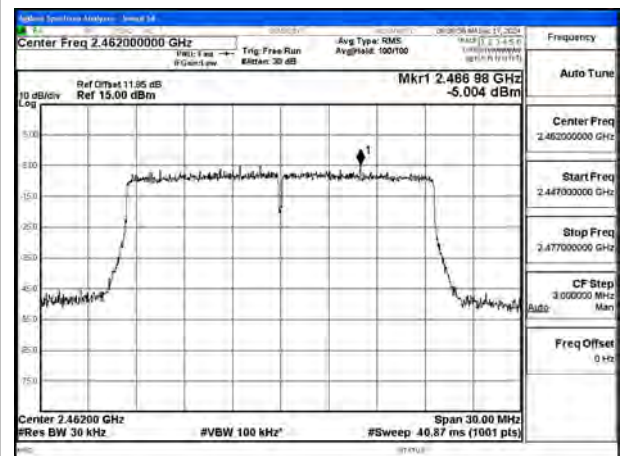


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Test Report No.: PSU-NQN2412260110RF01

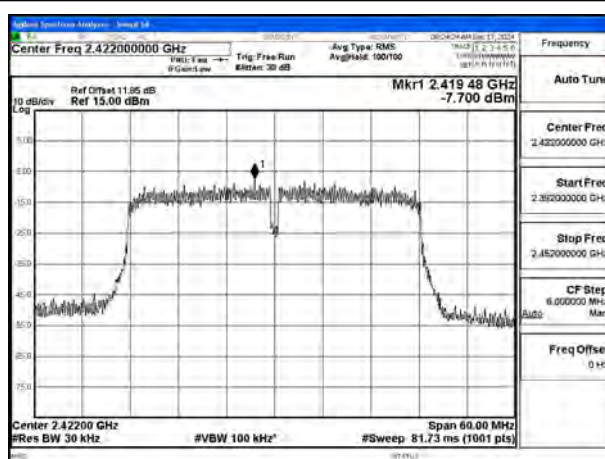


Mode:802.11ax HE20 Tone:242T
Frequency:2437MHz Ant:Chain0

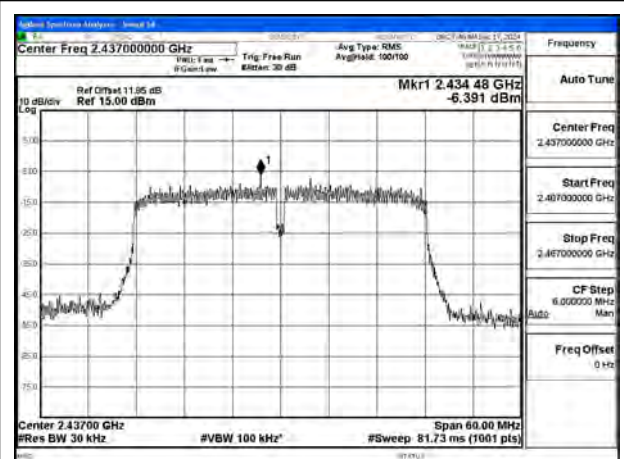


Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Chain0

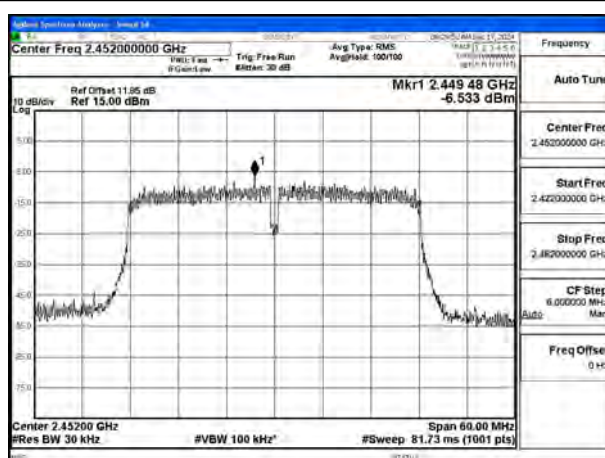
Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz
Ant:Chain0



Mode:802.11n HT40 Frequency:2437MHz
Ant:Chain0





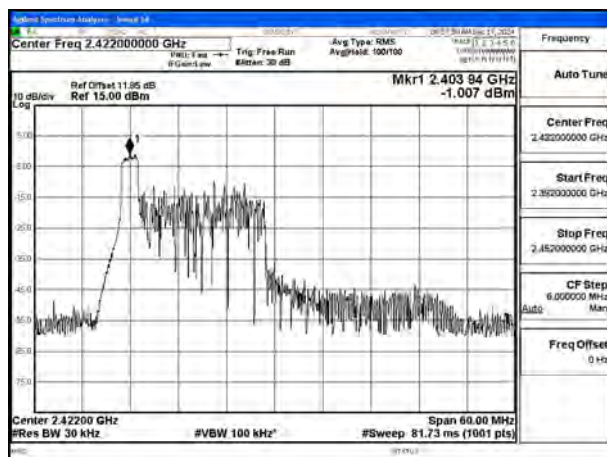
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Test Report No.: PSU-NQN2412260110RF01

Mode:802.11n HT40 Frequency:2452MHz

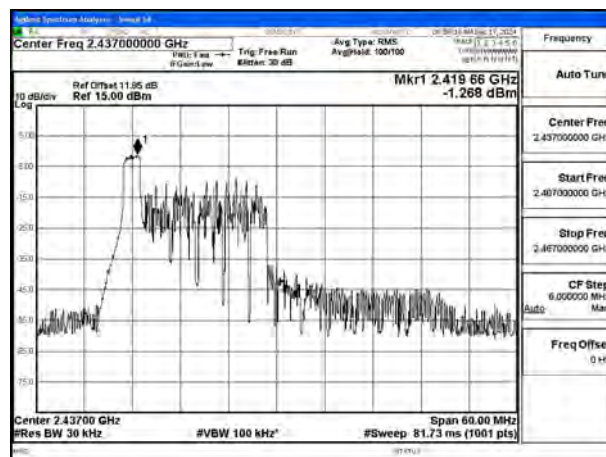
Ant:Chain0

Test Mode: 802.11ax HE40



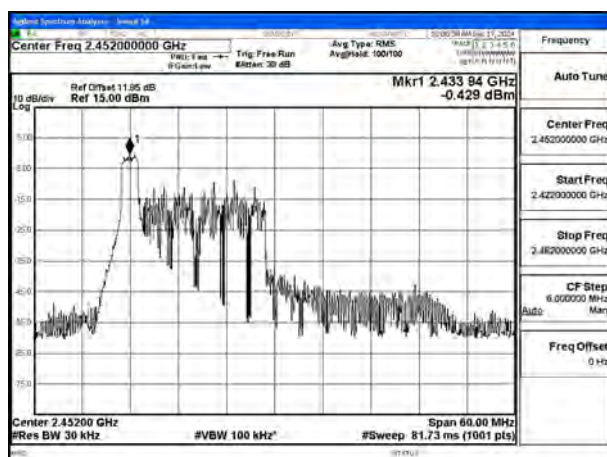
Mode:802.11ax HE40 Tone:26T Frequency:2422MHz

Ant:Chain0



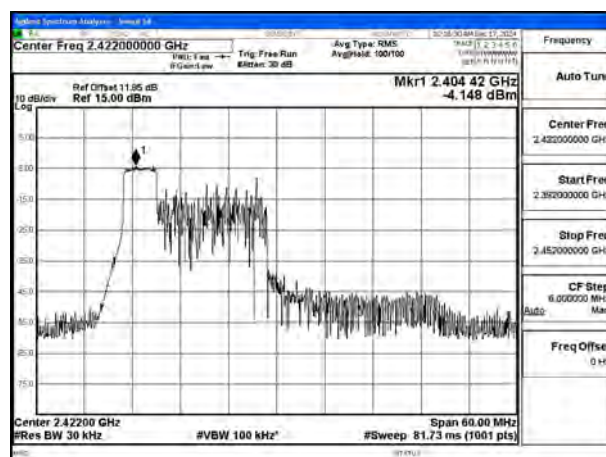
Mode:802.11ax HE40 Tone:26T Frequency:2437MHz

Ant:Chain0



Mode:802.11ax HE40 Tone:26T Frequency:2452MHz

Ant:Chain0



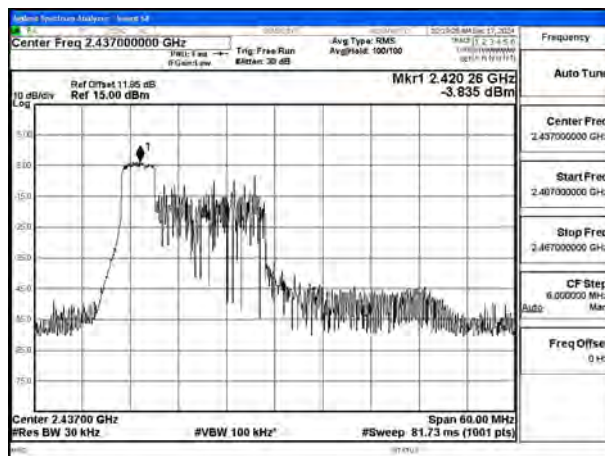
Mode:802.11ax HE40 Tone:52T Frequency:2422MHz

Ant:Chain0

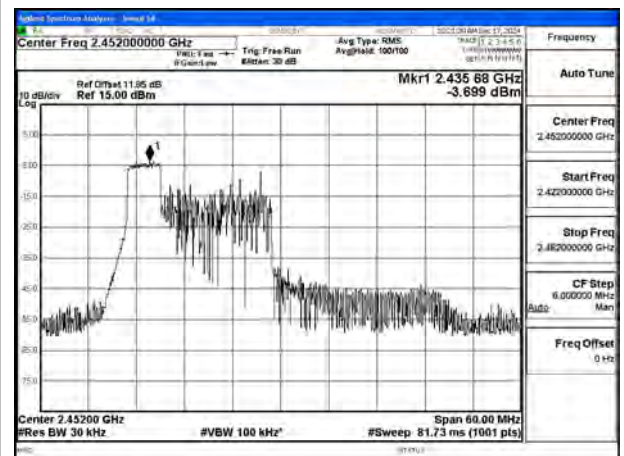


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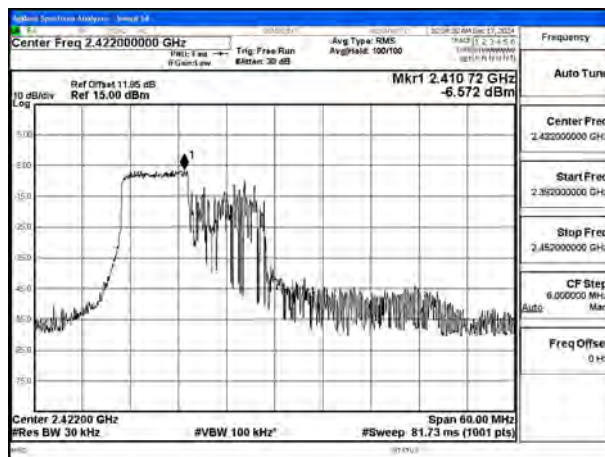
Test Report No.: PSU-NQN2412260110RF01



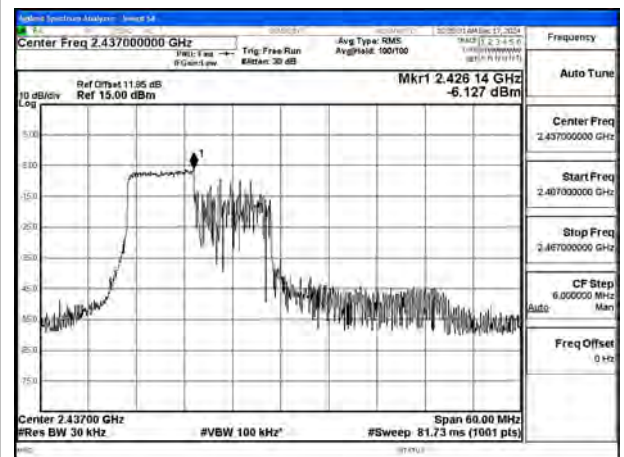
Mode:802.11ax HE40 Tone:52T Frequency:2437MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:52T Frequency:2452MHz
Ant:Chain0



Mode:802.11ax HE40 Tone:106T
Frequency:2422MHz Ant:Chain0

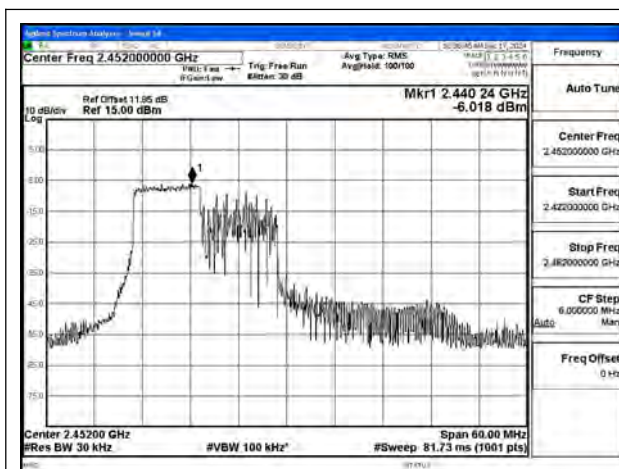


Mode:802.11ax HE40 Tone:106T
Frequency:2437MHz Ant:Chain0

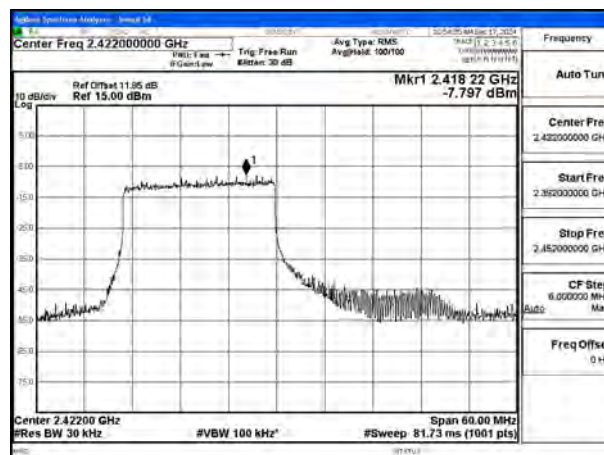


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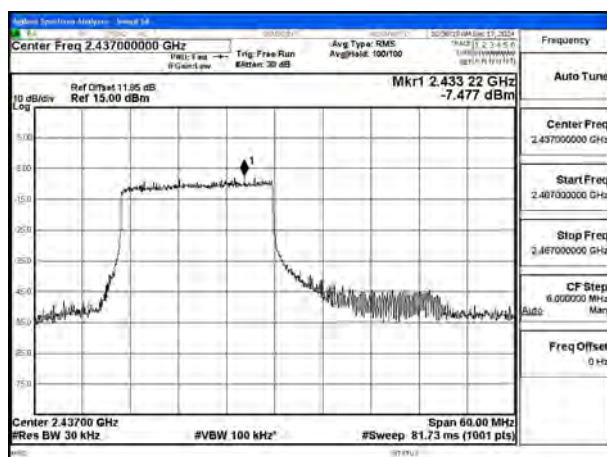
Test Report No.: PSU-NQN2412260110RF01



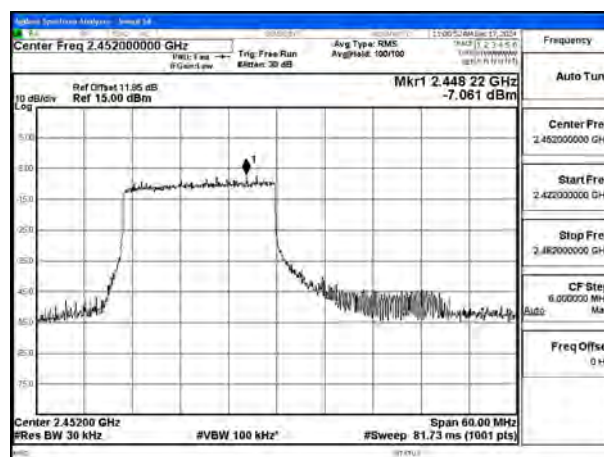
Mode:802.11ax HE40 Tone:106T
Frequency:2452MHz Ant:Chain0



Mode:802.11ax HE40 Tone:242T
Frequency:2422MHz Ant:Chain0



Mode:802.11ax HE40 Tone:242T
Frequency:2437MHz Ant:Chain0



Mode:802.11ax HE40 Tone:242T
Frequency:2452MHz Ant:Chain0



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Test Report No.: PSU-NQN2412260110RF01

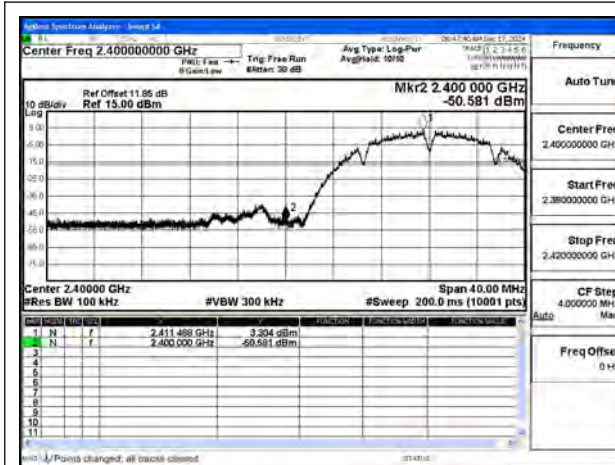
Mode:802.11ax HE40 Tone:484T Frequency:2422MHz Ant:Chain0	Mode:802.11ax HE40 Tone:484T Frequency:2437MHz Ant:Chain0
Mode:802.11ax HE40 Tone:484T Frequency:2452MHz Ant:Chain0	



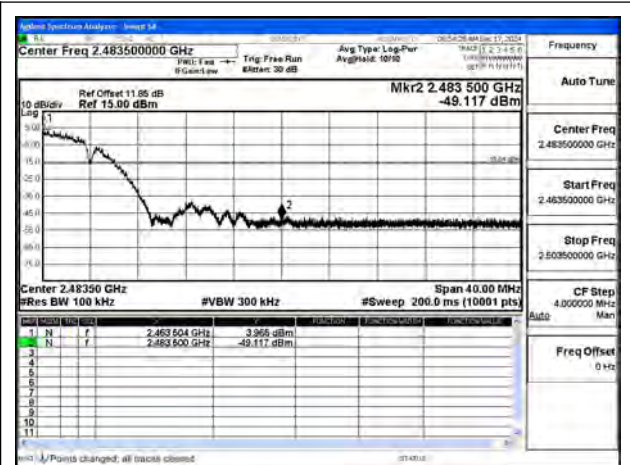
BAND EDGE MEASUREMENTS

TEST GRAPHS

Test Mode: 802.11b

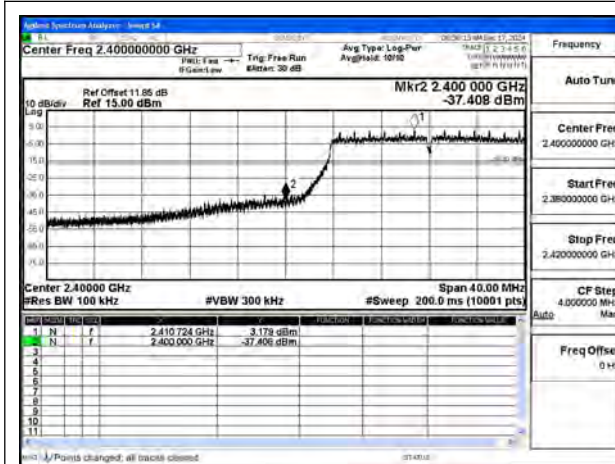


Mode:802.11b Frequency:2412MHz Ant:Chain0

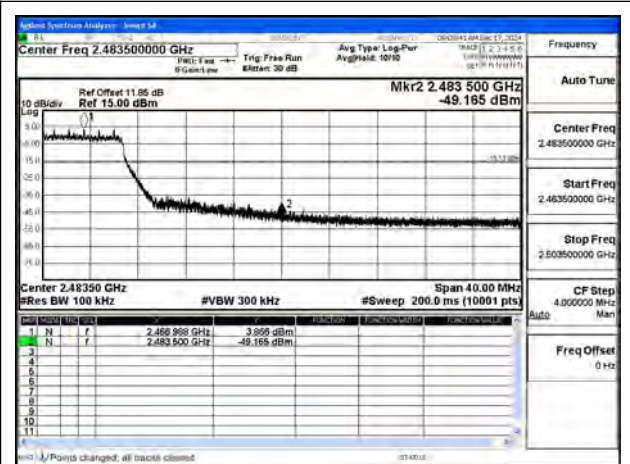


Mode:802.11b Frequency:2462MHz Ant:Chain0

Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



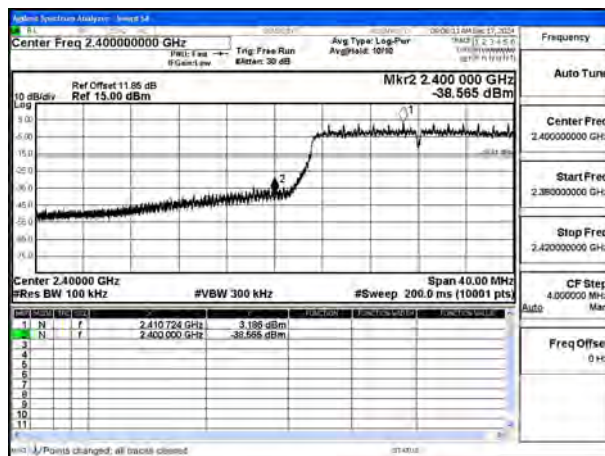
Mode:802.11g Frequency:2462MHz Ant:Chain0

Test Mode: 802.11n HT20



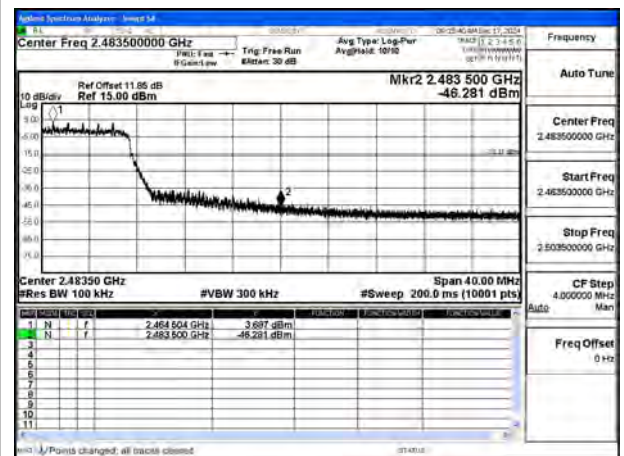
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Test Report No.: PSU-NQN2412260110RF01



Mode:802.11n HT20 Frequency:2412MHz

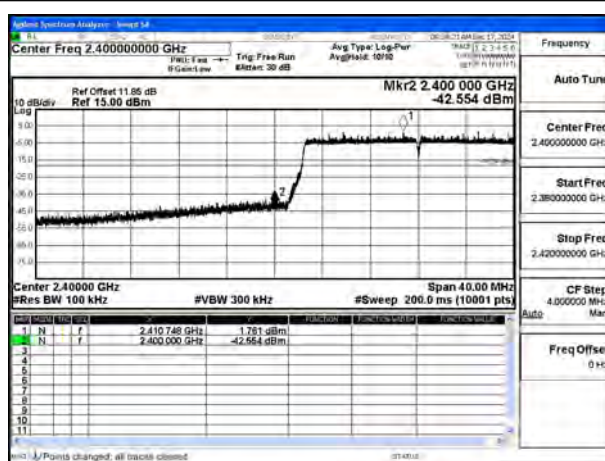
Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz

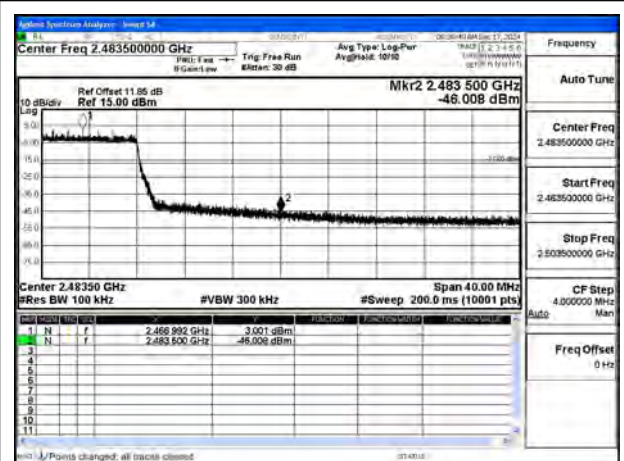
Ant:Chain0

Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:2412MHz

Ant:Chain0



Mode:802.11ax HE20 Frequency:2462MHz

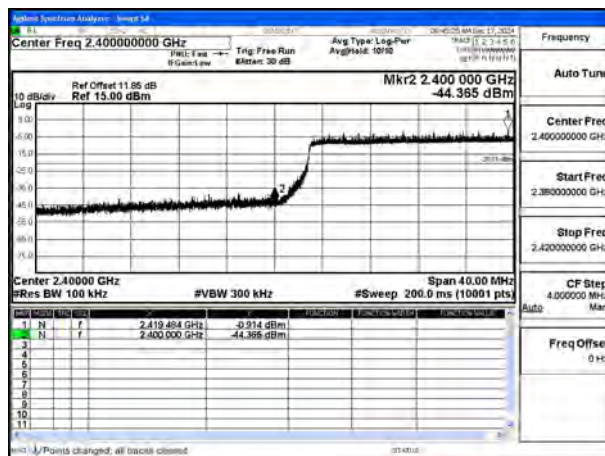
Ant:Chain0

Test Mode: 802.11ax HE40



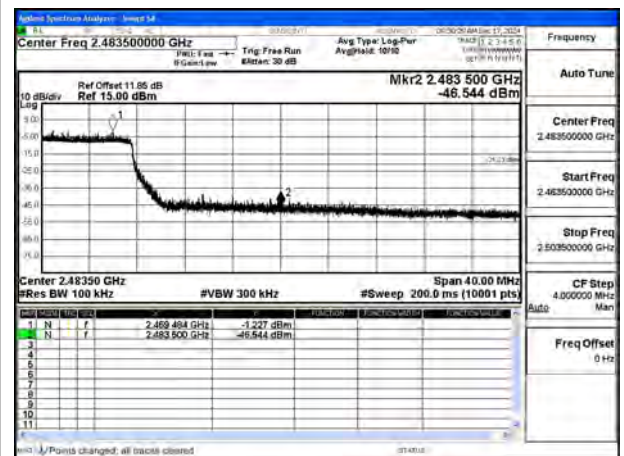
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Test Report No.: PSU-NQN2412260110RF01



Mode:802.11ax HE40 Frequency:2422MHz

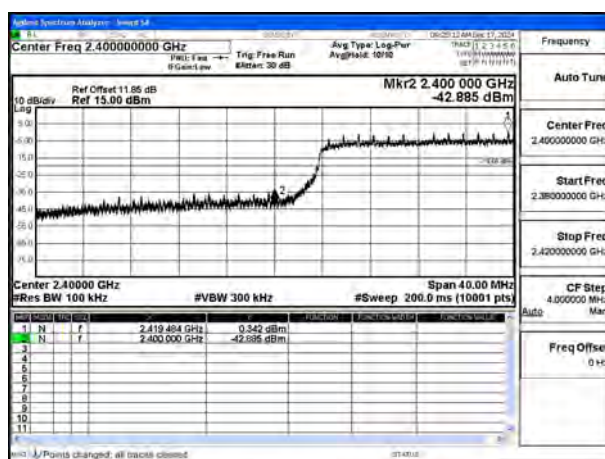
Ant:Chain0



Mode:802.11ax HE40 Frequency:2452MHz

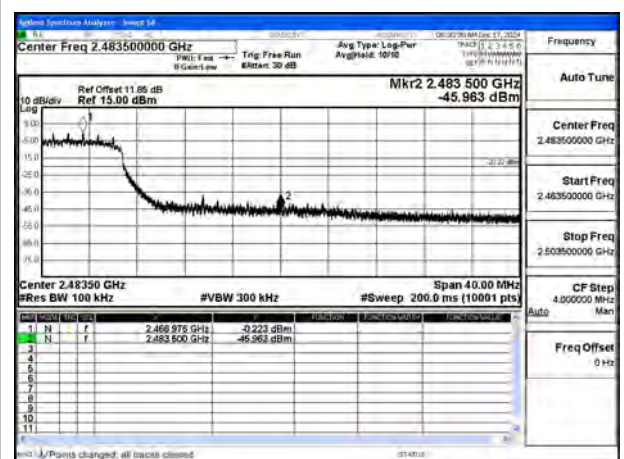
Ant:Chain0

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0

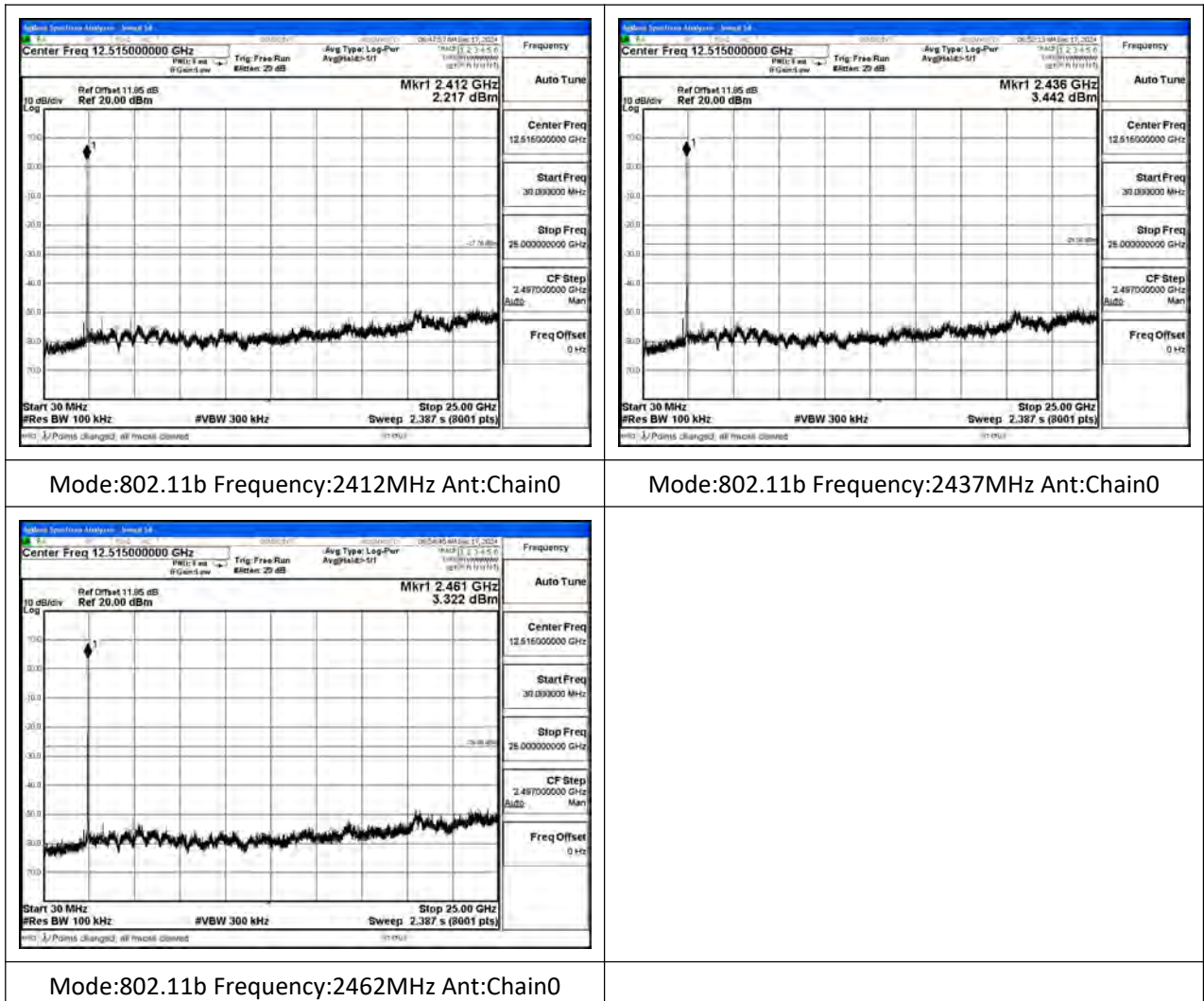


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Test Report No.: PSU-NQN2412260110RF01

CONDUCTED SPURIOUS EMISSION TEST RESULT

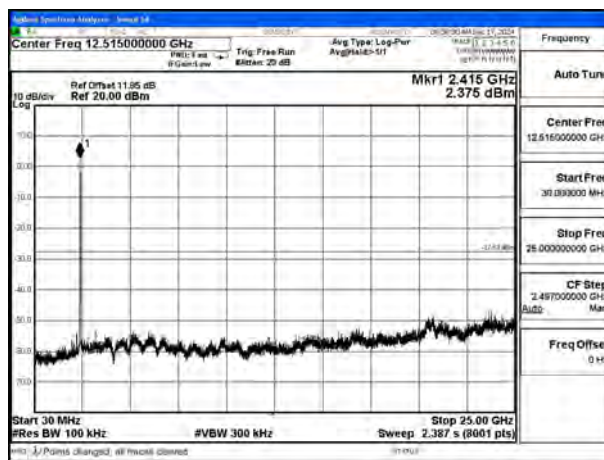
Test Mode: 802.11b





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Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0

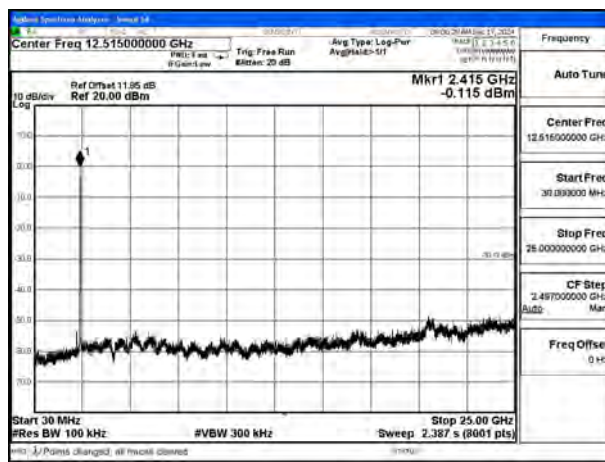


Mode:802.11g Frequency:2462MHz Ant:Chain0



BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

Test Mode: 802.11n HT20



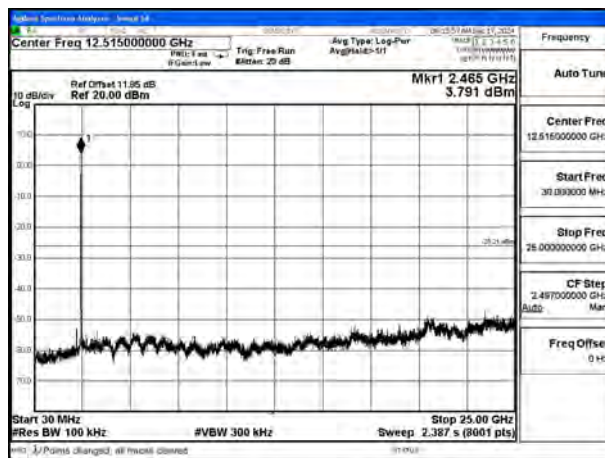
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0



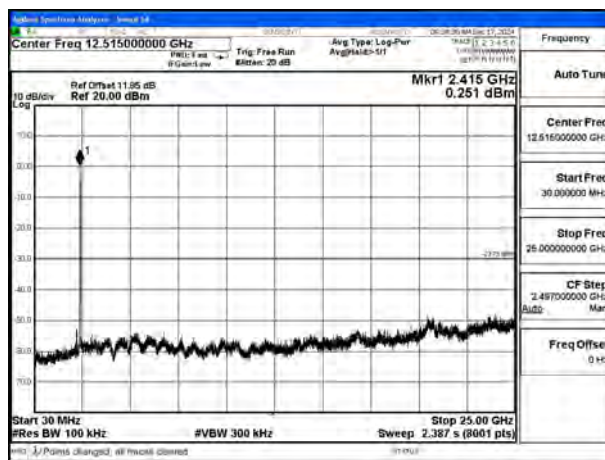
Mode:802.11n HT20 Frequency:2462MHz

Ant:Chain0



BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

Test Mode: 802.11ax HE20



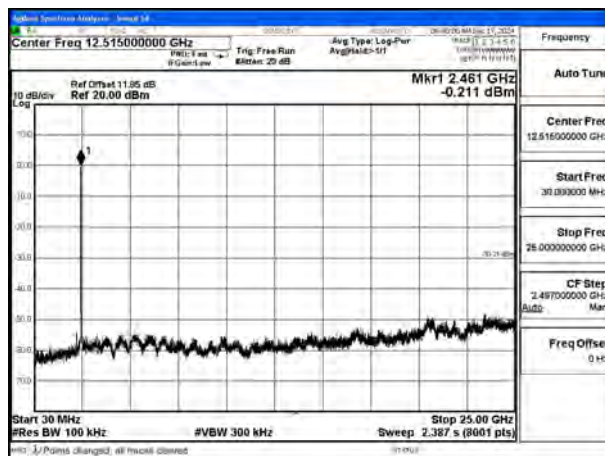
Mode:802.11ax HE20 Frequency:2412MHz

Ant:Chain0



Mode:802.11ax HE20 Frequency:2437MHz

Ant:Chain0



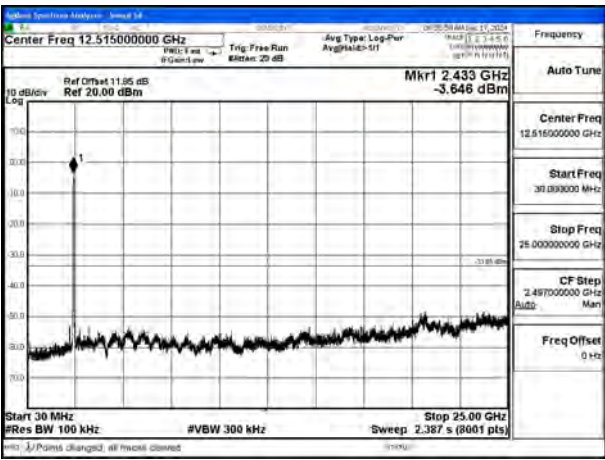
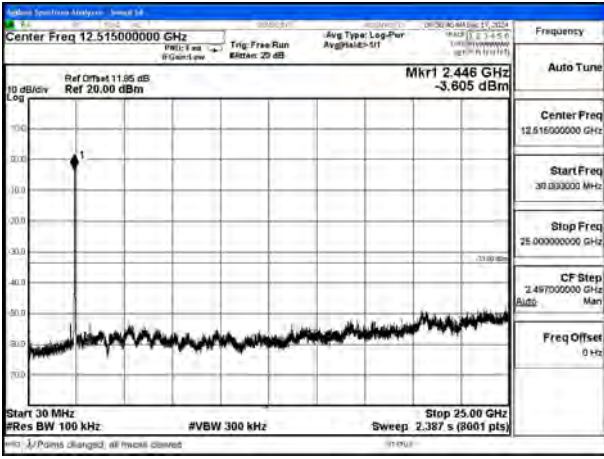
Mode:802.11ax HE20 Frequency:2462MHz

Ant:Chain0



BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

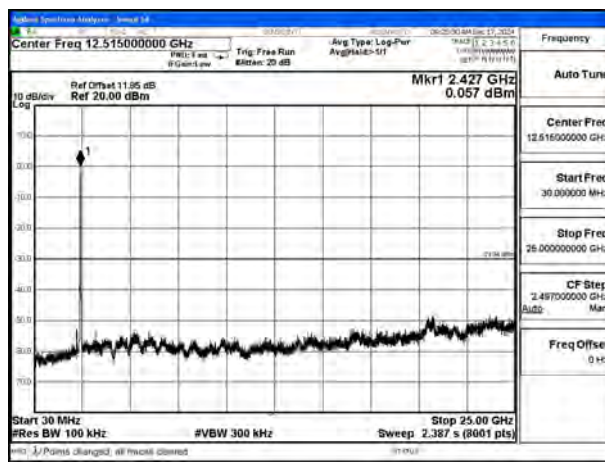
Test Mode: 802.11ax HE40

	
Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain0	Mode:802.11ax HE40 Frequency:2437MHz Ant:Chain0
	
Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain0	



BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

Test Mode: 802.11n HT40



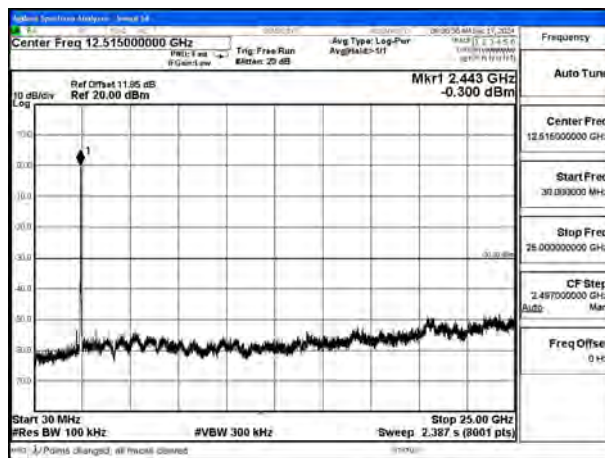
Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2437MHz

Ant:Chain0



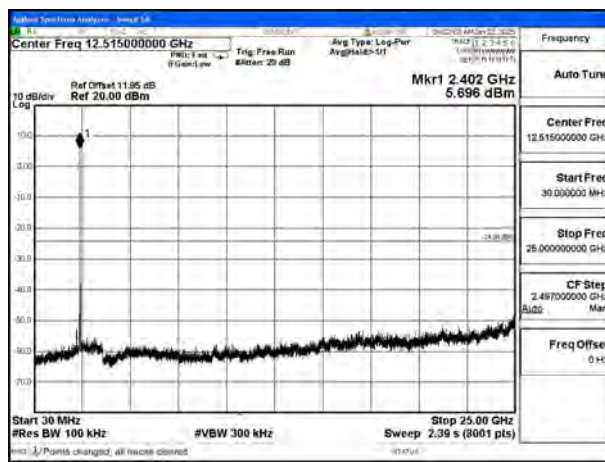
Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0

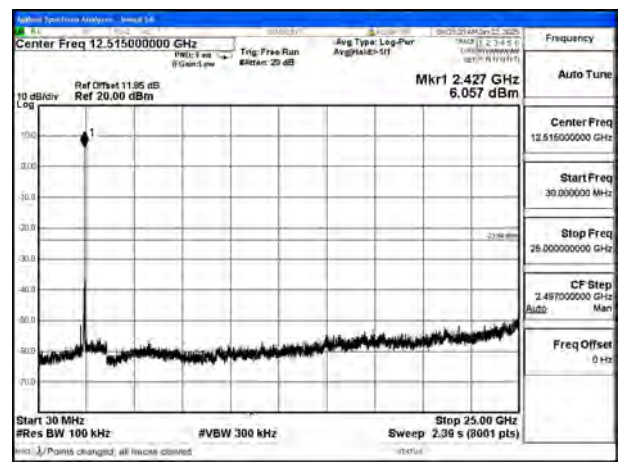


BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

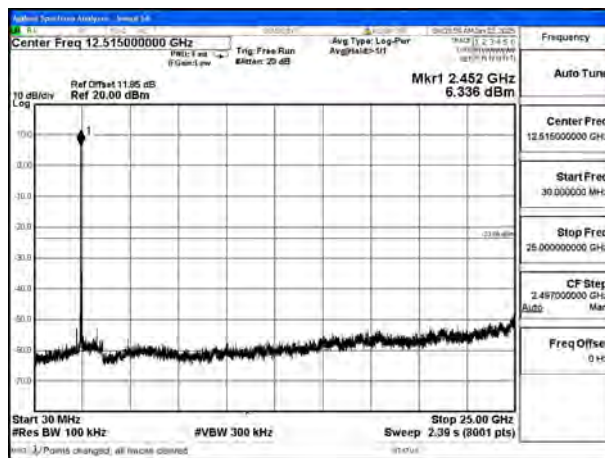
Test Mode: 802.11ax HE20 RU26



Mode:802.11ax HE20 RU26 Frequency:2412MHz
Ant:Chain0



Mode:802.11ax HE20 RU26 Frequency:2437MHz
Ant:Chain0

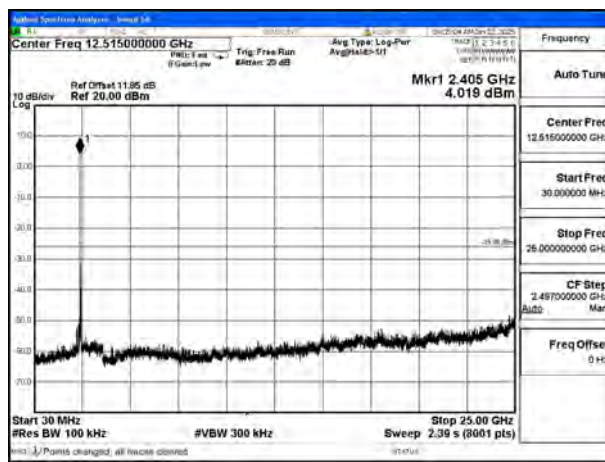


Mode:802.11ax HE20 RU26 Frequency:2462MHz
Ant:Chain0

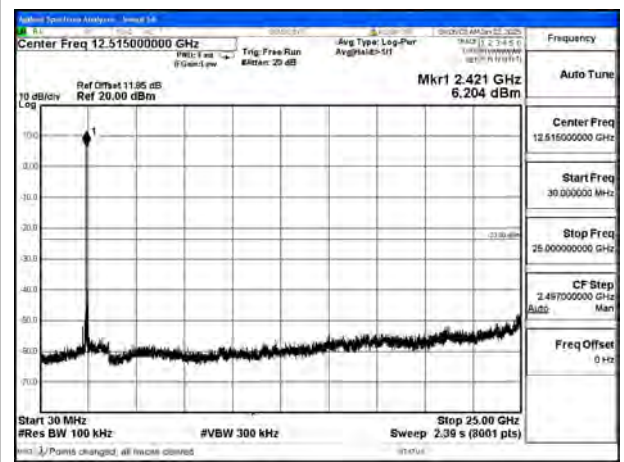


BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

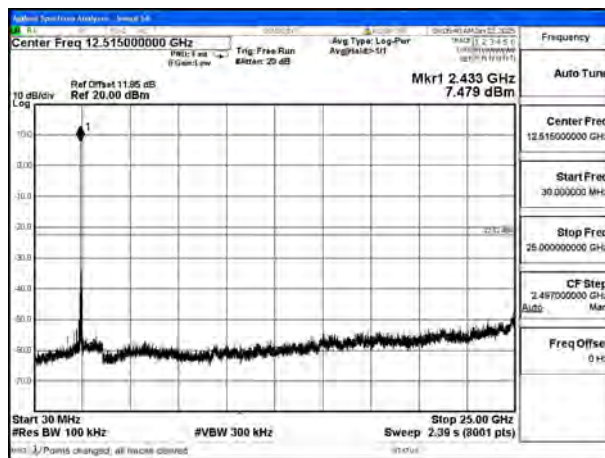
Test Mode: 802.11ax HE40 RU26



Mode:802.11ax HE40 RU26 Frequency:2422MHz
Ant:Chain0



Mode:802.11ax HE40 RU26 Frequency:2437MHz
Ant:Chain0



Mode:802.11ax HE40 RU26 Frequency:2452MHz
Ant:Chain0

**DUTY CYCLE****TEST RESULT**

Modulation Type	Frequency (MHz)	Antenna	Plot	Duty Cycle	Correction Factor(dB)
802.11b	2412	Chain0	Fig.1	99.91%	0
802.11g	2412	Chain0	Fig.2	99.82%	0
802.11n HT20	2412	Chain0	Fig.3	99.79%	0
802.11ax HE20	2412	Chain0	Fig.4	99.97%	0
802.11n HT40	2422	Chain0	Fig.5	99.65%	0
802.11ax HE40	2422	Chain0	Fig.6	99.95%	0

Note: Correction Factor= $10 \cdot \log (1/\text{Duty Cycle})$



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Test Report No.: PSU-NQN2412260110RF01

TEST GRAPHS



Fig.1

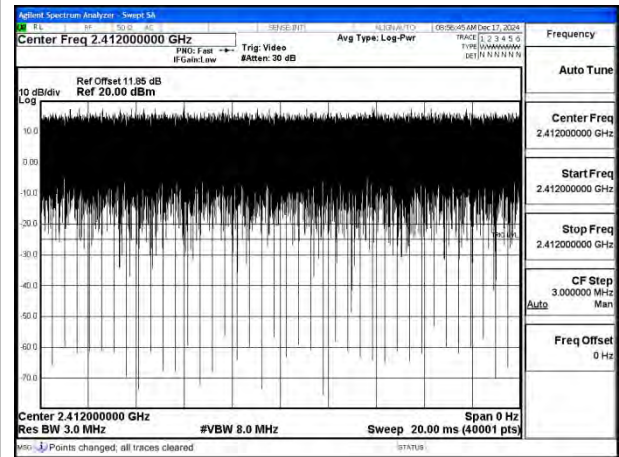


Fig.2

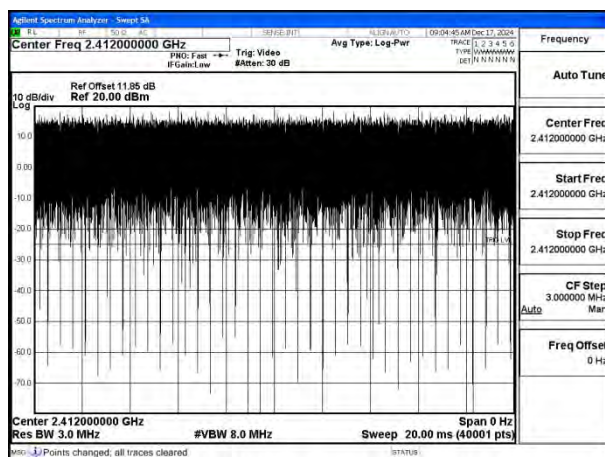


Fig.3

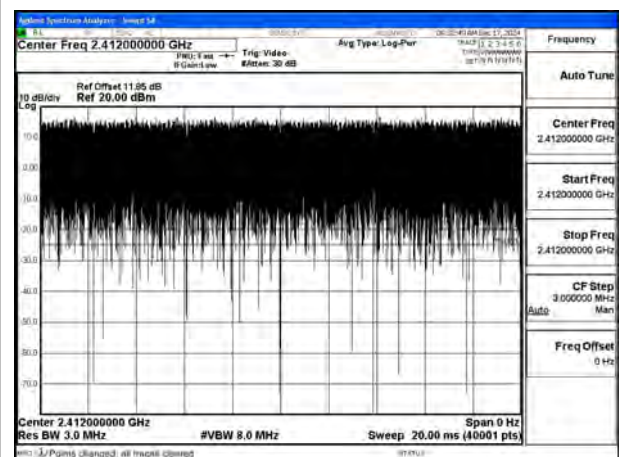


Fig.4

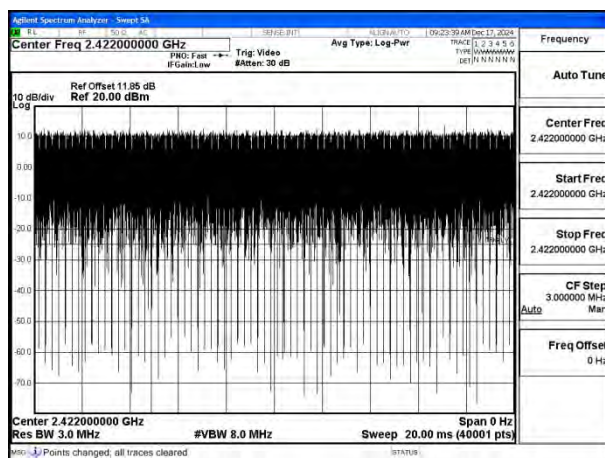


Fig.5

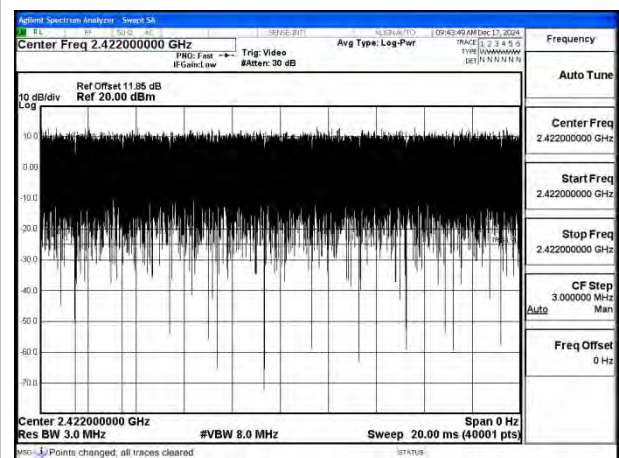


Fig.6



Test Report No.: PSU-NQN2412260110RF01

7 APPENDIX 2 BLE

DTS BANDWIDTH

TEST RESULT

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 1Mbps)	2402	689.4
GFSK (LE 1Mbps)	2440	686.9
GFSK (LE 1Mbps)	2480	682.8

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 2Mbps)	2402	1181.3
GFSK (LE 2Mbps)	2440	1156.5
GFSK (LE 2Mbps)	2480	1163.6

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 125K	2402	642.9
Coded 125K	2440	629.9
Coded 125K	2480	645.6

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 500K	2402	700.5
Coded 500K	2440	697.5
Coded 500K	2480	716.8



TEST GRAPHS

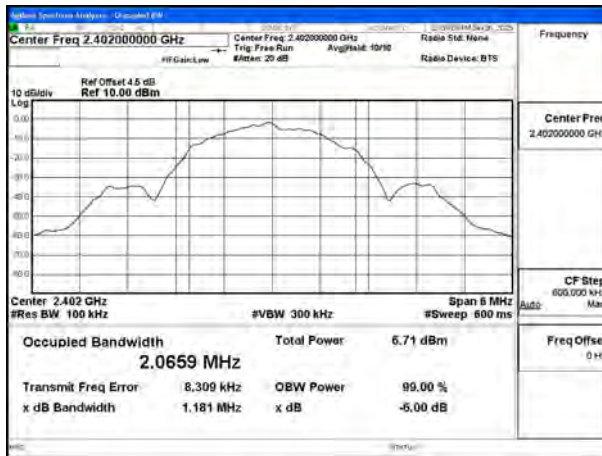
Test Mode: GFSK (LE 1Mbps)





BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

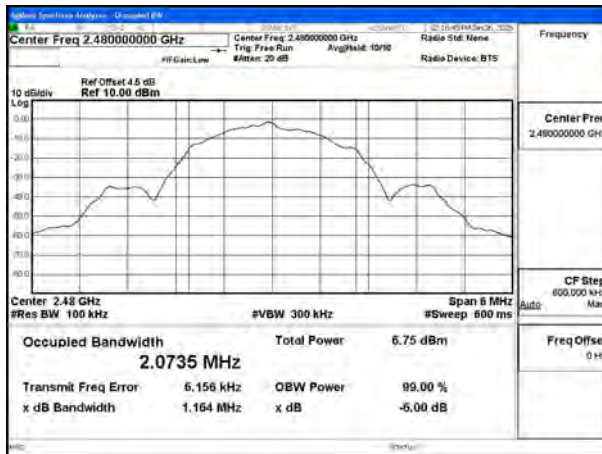
Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz



Test Mode:GFSK (LE 2Mbps) 2440MHz



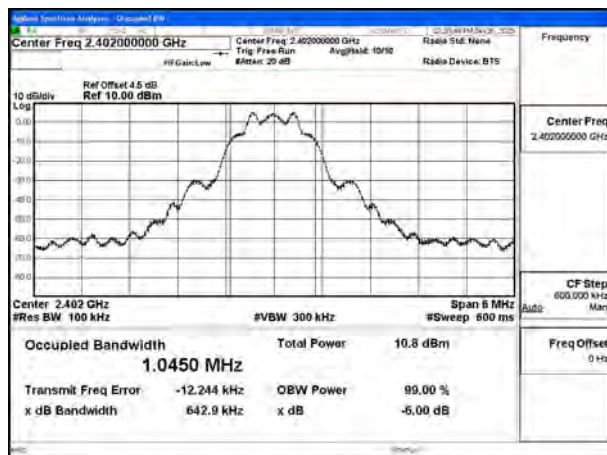
Test Mode:GFSK (LE 2Mbps) 2480MHz



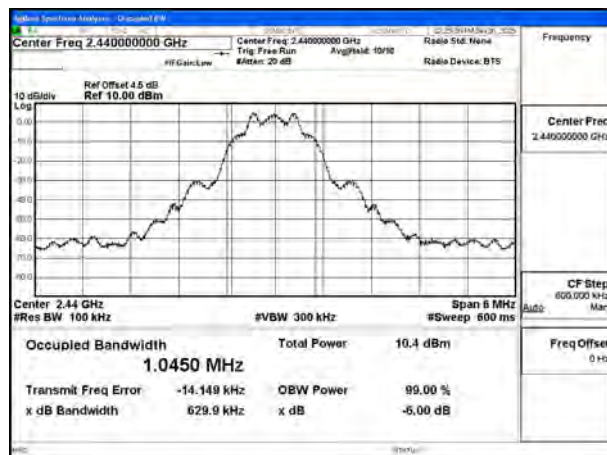
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Test Report No.: PSU-NQN2412260110RF01

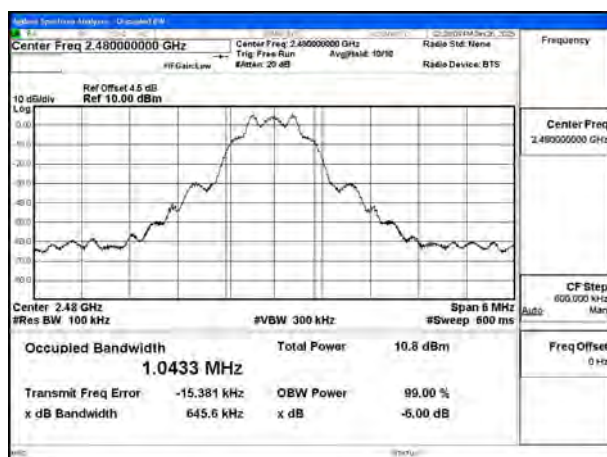
Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz



Test Mode:Coded 125K 2440MHz



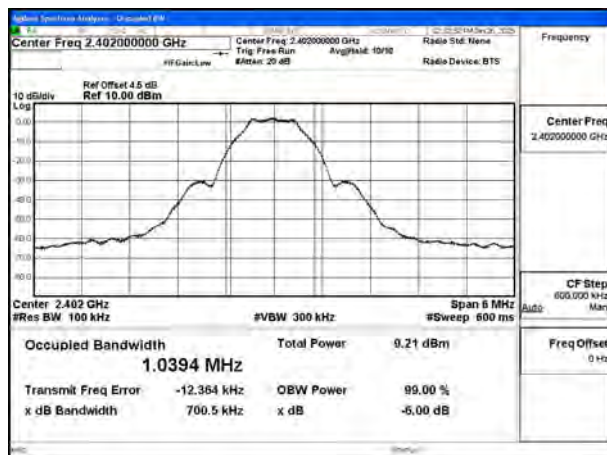
Test Mode:Coded 125K 2480MHz



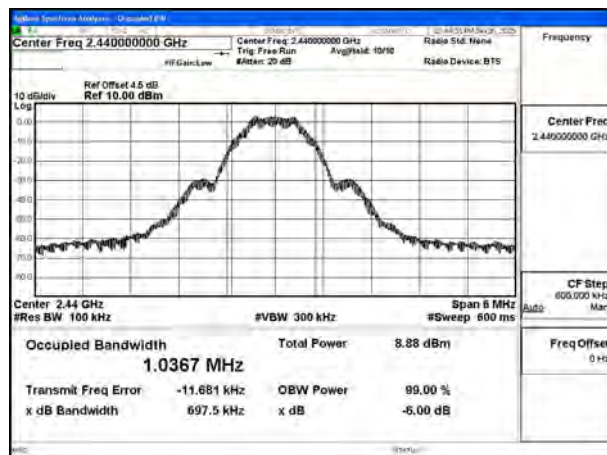
BUREAU
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Test Report No.: PSU-NQN2412260110RF01

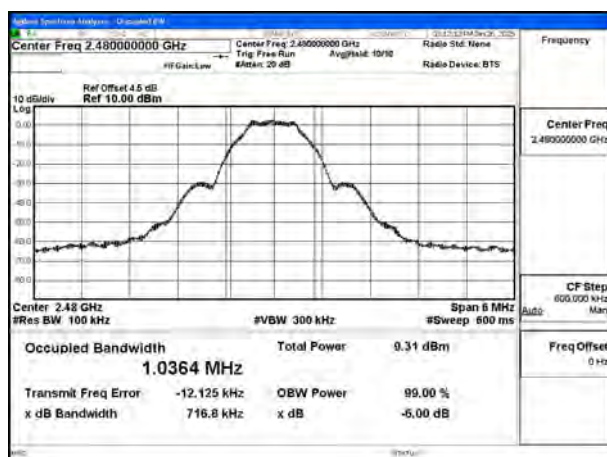
Test Mode: Coded 500K



Test Mode:Coded 500K 2402MHz



Test Mode:Coded 500K 2440MHz



Test Mode:Coded 500K 2480MHz

**OCCUPIED CHANNEL BANDWIDTH****TEST RESULT**

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
GFSK (LE 1Mbps)	2402	1026.6
GFSK (LE 1Mbps)	2440	1024.9
GFSK (LE 1Mbps)	2480	1024.4

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
GFSK (LE 2Mbps)	2402	2047.4
GFSK (LE 2Mbps)	2440	2050.6
GFSK (LE 2Mbps)	2480	2055.5

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
Coded 125K	2402	1022.1
Coded 125K	2440	1021.9
Coded 125K	2480	1019.8

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
Coded 500K	2402	1019.5
Coded 500K	2440	1017.6
Coded 500K	2480	1015.5



TEST GRAPHS

Test Mode: GFSK (LE 1Mbps)

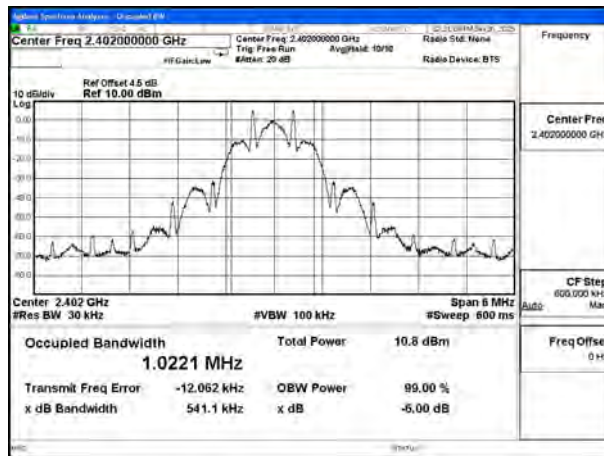




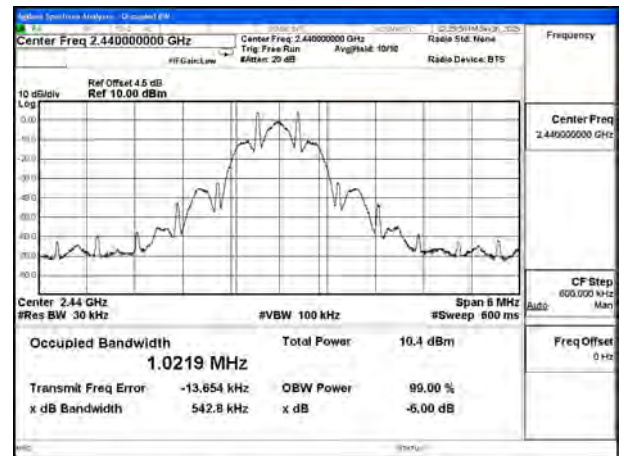
BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

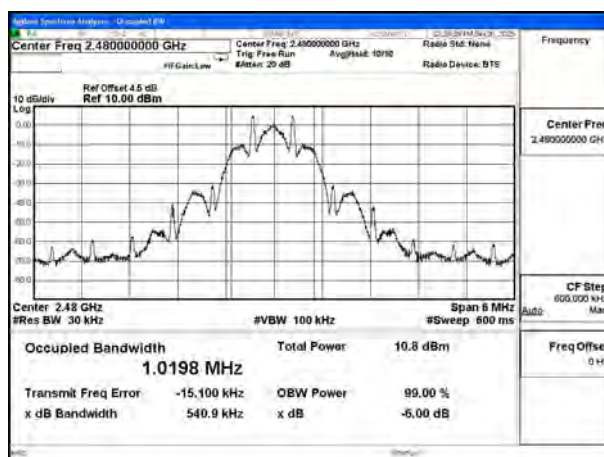
Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz



Test Mode:Coded 125K 2440MHz



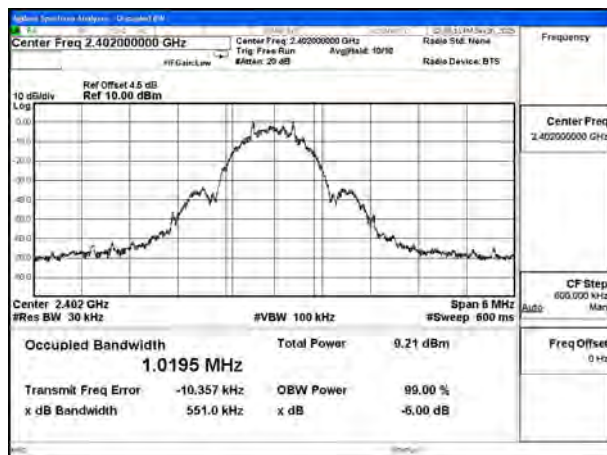
Test Mode:Coded 125K 2480MHz



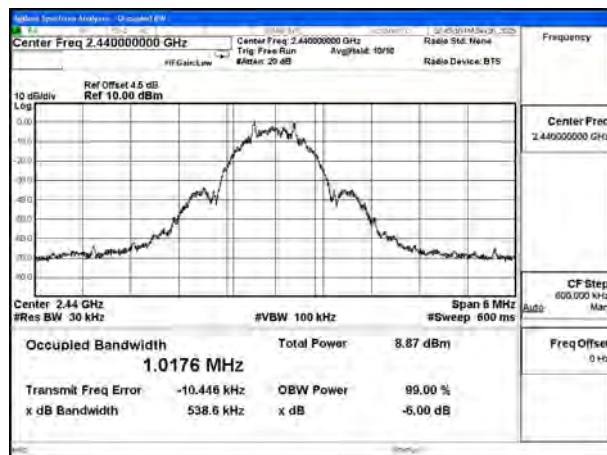
BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

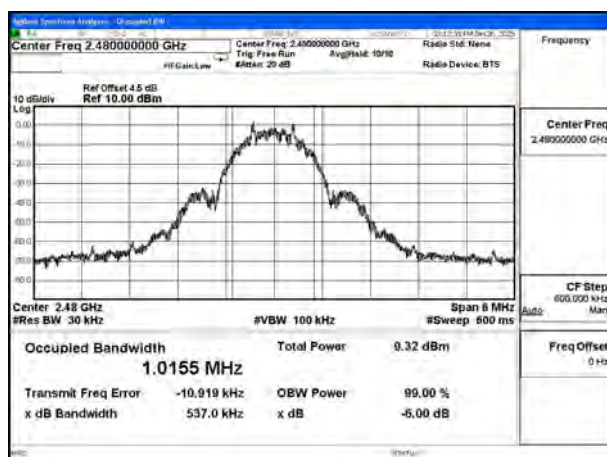
Test Mode: Coded 500K



Test Mode:Coded 500K 2402MHz



Test Mode:Coded 500K 2440MHz



Test Mode:Coded 500K 2480MHz

**MAXIMUM CONDUCTED OUTPUT POWER****TEST RESULT**

Modulation type	Conducted Peak Power(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	11.97	12.08	12.56
GFSK (LE 2Mbps)	11.78	11.46	11.90
Coded 125K	11.82	11.45	11.89
Coded 500K	11.89	11.54	11.98

Modulation type	Conducted Average Power(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	11.55	11.86	12.20
GFSK (LE 2Mbps)	11.02	10.51	10.76
Coded 125K	11.39	11.87	11.13
Coded 500K	11.28	11.08	11.55

EIRP

Modulation type	Peak EIRP(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	12.37	12.48	12.96
GFSK (LE 2Mbps)	12.18	11.86	12.30
Coded 125K	12.22	11.85	12.29
Coded 500K	12.29	11.94	12.38

Modulation type	Average EIRP(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	11.95	12.26	12.60
GFSK (LE 2Mbps)	11.42	10.91	11.16
Coded 125K	11.79	12.27	11.53
Coded 500K	11.68	11.48	11.95

EIRP (dBm)=Conducted Power(dBm)+Antenna Gain(dBi)

**MAXIMUM POWER SPECTRAL DENSITY****TEST RESULT**

Test Mode	Carrier frequency (MHz)	Channel No.	Power Density (dBm/3kHz)
GFSK (LE 1Mbps)	2402	0	-3.1
GFSK (LE 1Mbps)	2440	19	-3.0
GFSK (LE 1Mbps)	2480	39	-2.5

Test Mode	Carrier frequency (MHz)	Channel No.	Power Density (dBm/3kHz)
GFSK (LE 2Mbps)	2402	0	-5.8
GFSK (LE 2Mbps)	2440	19	-7.5
GFSK (LE 2Mbps)	2480	39	-7.1

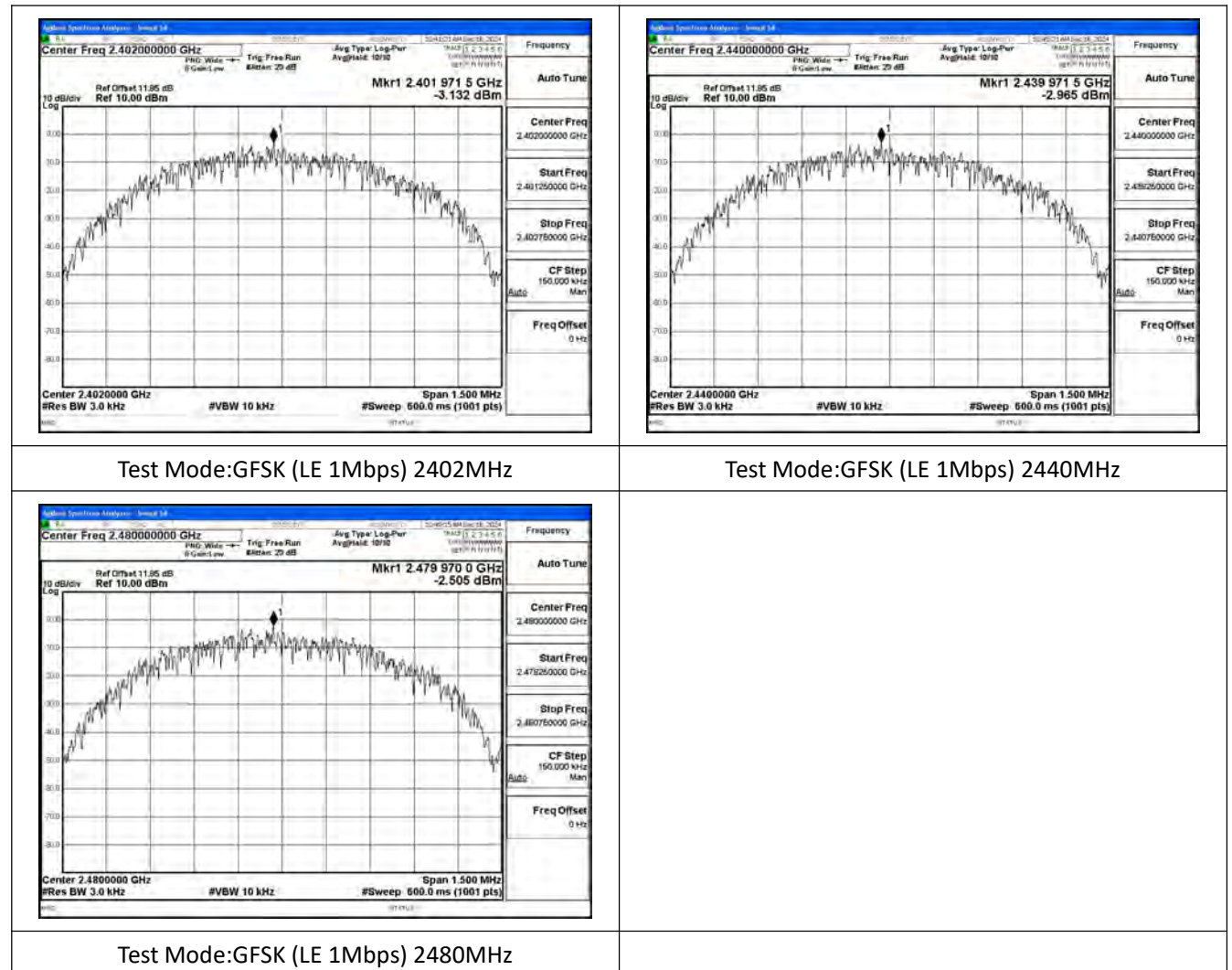
Test Mode	Carrier frequency (MHz)	Channel No.	Power Density (dBm/3kHz)
Coded 125K	2402	0	5.5
Coded 125K	2440	19	5.1
Coded 125K	2480	39	5.5

Test Mode	Carrier frequency (MHz)	Channel No.	Power Density (dBm/3kHz)
Coded 500K	2402	0	5.4
Coded 500K	2440	19	5.0
Coded 500K	2480	39	5.5



TEST GRAPHS

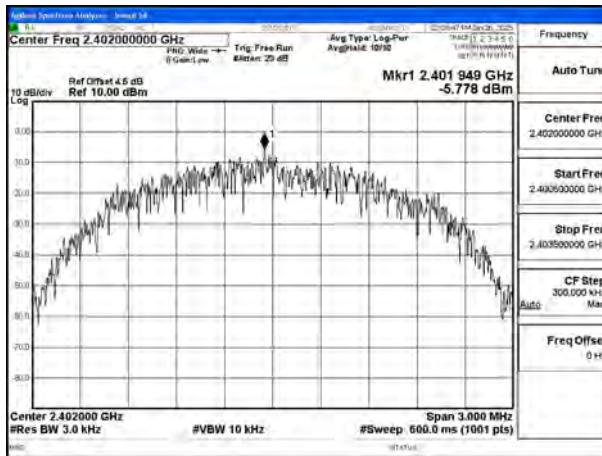
Test Mode: GFSK (LE 1Mbps)



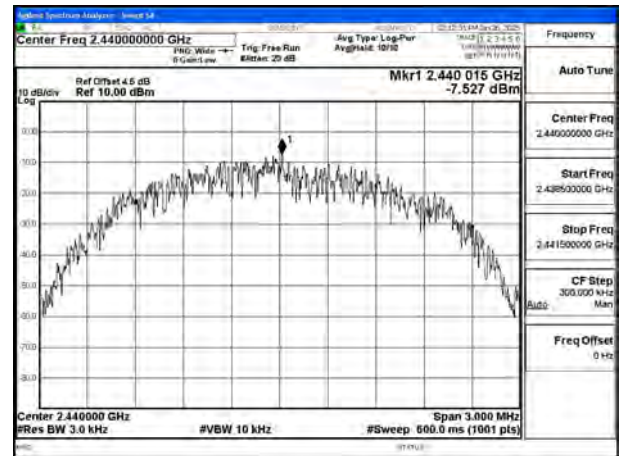


BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

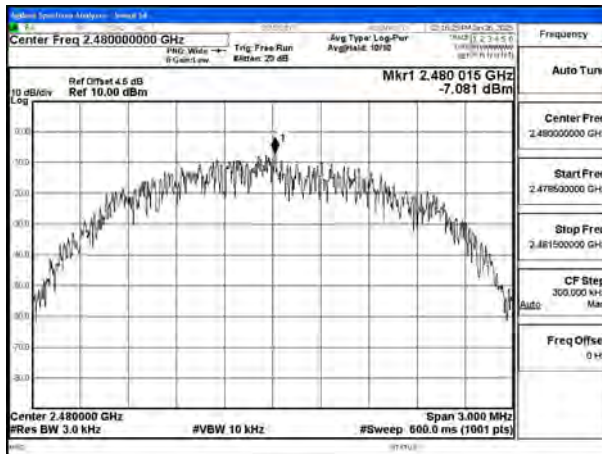
Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz



Test Mode:GFSK (LE 2Mbps) 2440MHz



Test Mode:GFSK (LE 2Mbps) 2480MHz



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Test Report No.: PSU-NQN2412260110RF01

Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz



Test Mode:Coded 125K 2440MHz



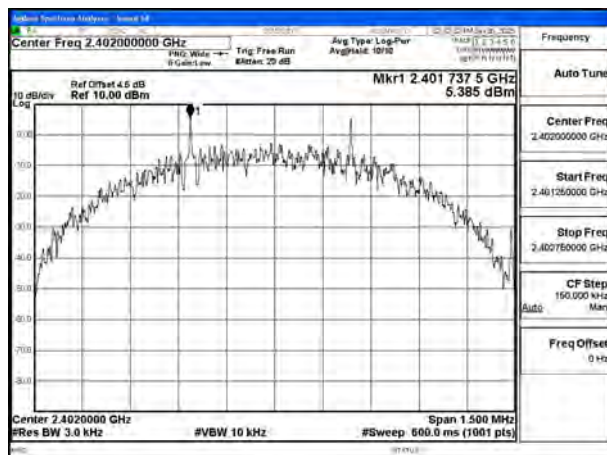
Test Mode:Coded 125K 2480MHz



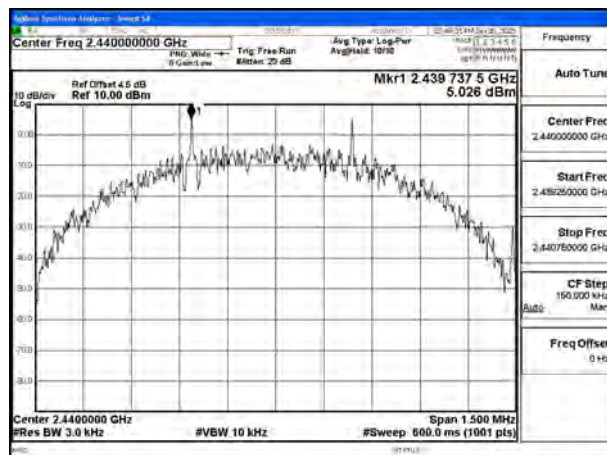
BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

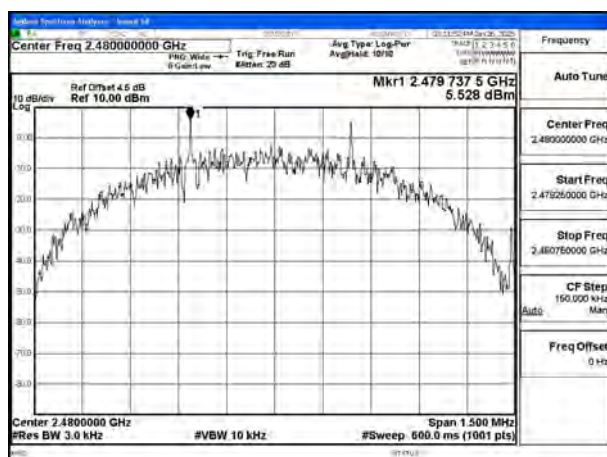
Test Mode: Coded 500K



Test Mode:Coded 500K 2402MHz



Test Mode:Coded 500K 2440MHz



Test Mode:Coded 500K 2480MHz



BAND EDGE MEASUREMENTS TEST GRAPHS

Test Mode: GFSK (LE 1Mbps)



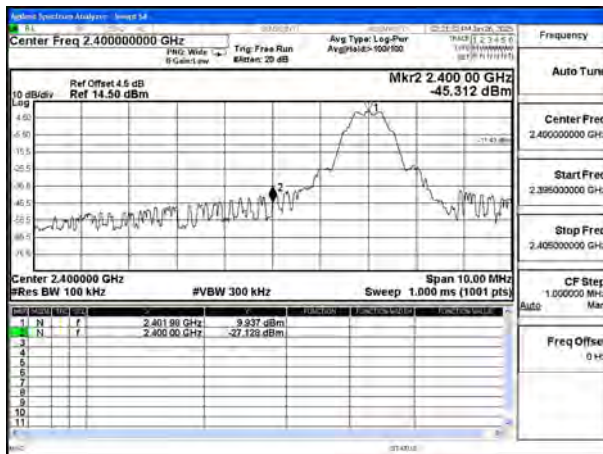
Test Mode: GFSK (LE 2Mbps)



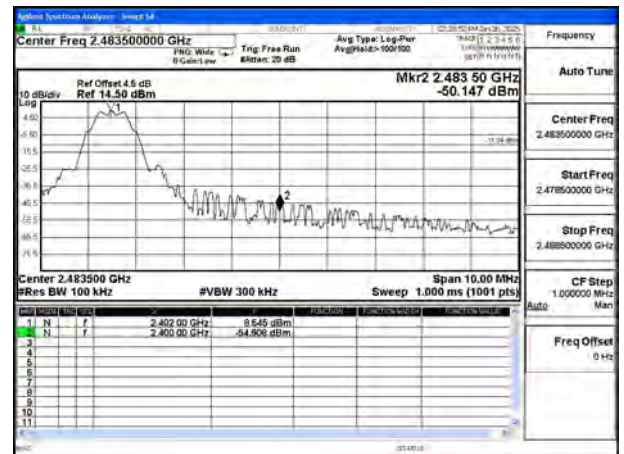
Test Mode: Coded 125K



BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

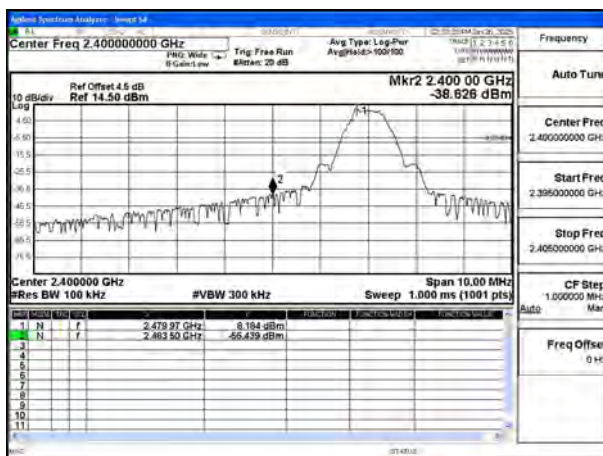


CH0

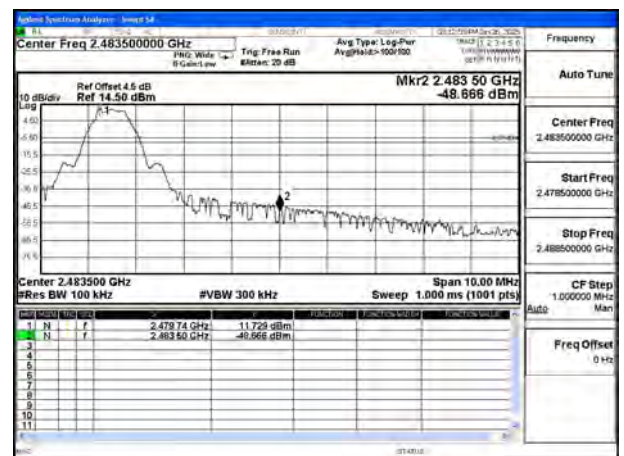


CH39

Test Mode: Coded 500K



CH0



CH39



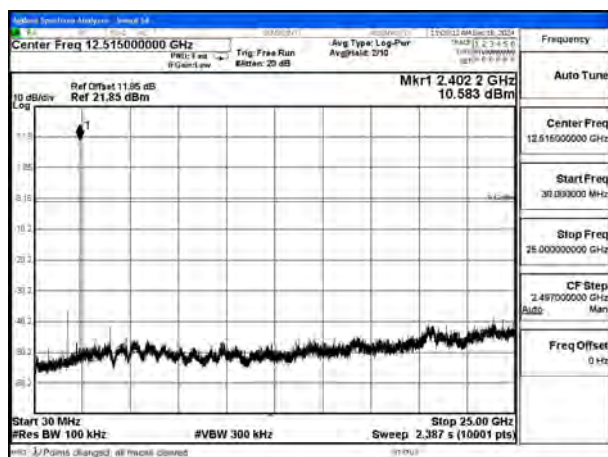
BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

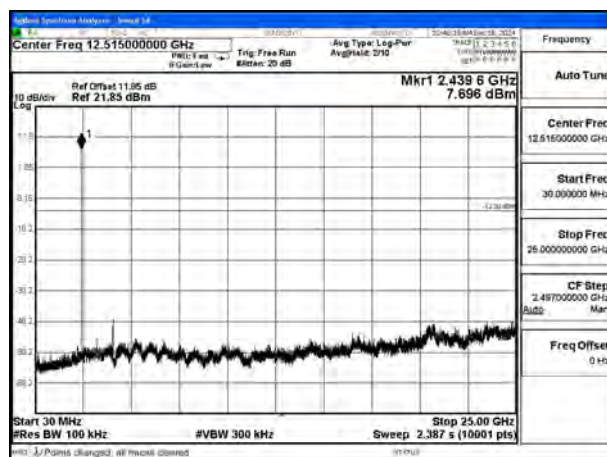
CONDUCTED SPURIOUS EMISSION

TEST GRAPHS

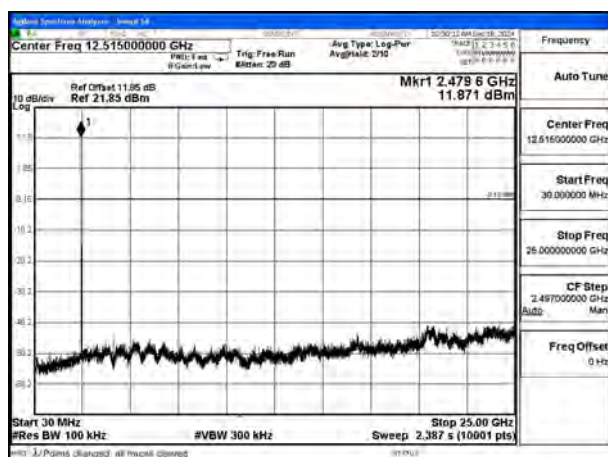
Test Mode: GFSK (LE 1Mbps)



CH0



CH19



CH39



BUREAU VERITAS Test Report No.: PSU-NQN2412260110RF01

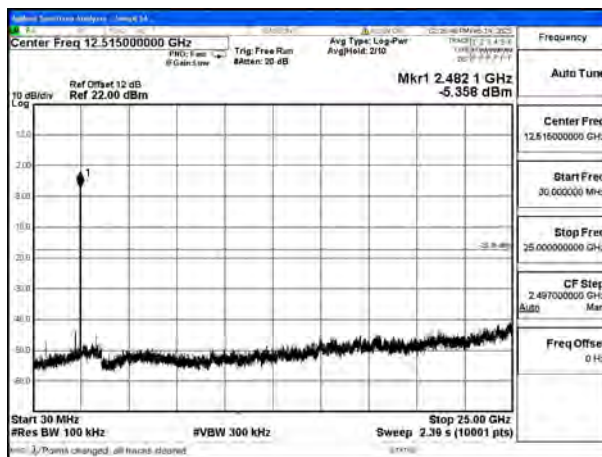
Test Mode: GFSK (LE 2Mbps)



CH0



CH19



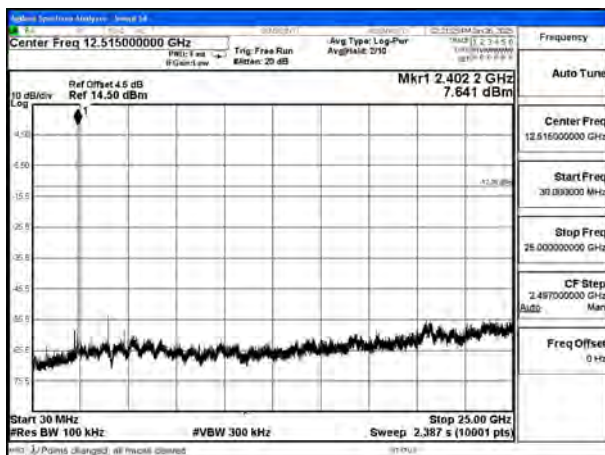
CH39



BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

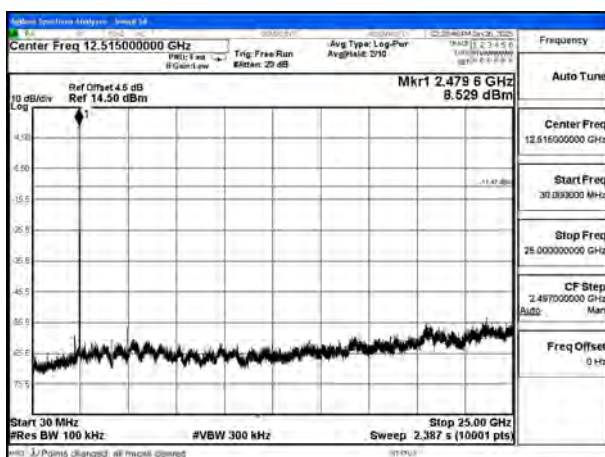
Test Mode: Coded 125K



CH0



CH19



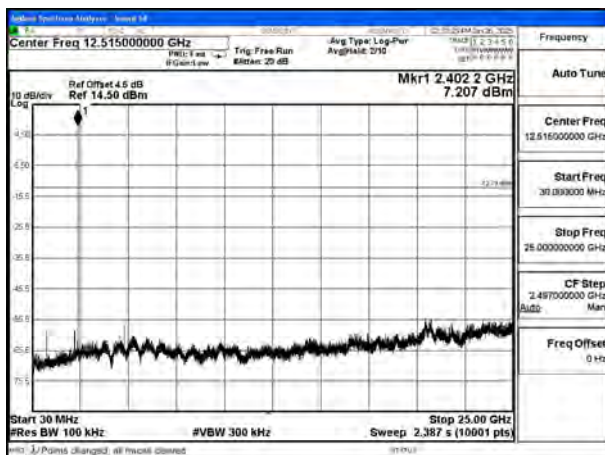
CH39



BUREAU
VERITAS

Test Report No.: PSU-NQN2412260110RF01

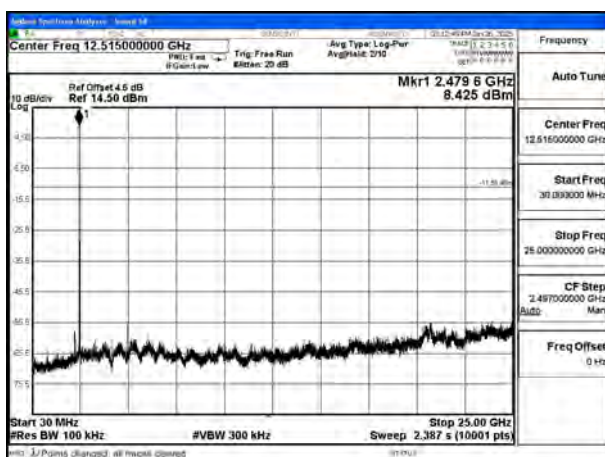
Test Mode: Coded 500K



CH0



CH19



CH39



**BUREAU
VERITAS**

Test Report No.: PSU-NQN2412260110RF01

DUTY CYCLE

TEST RESULT

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
GFSK (LE 1Mbps)	2402	Fig.1	66.90%	1.75	0.40

Note: Correction Factor= $10 \cdot \log(1/\text{Duty Cycle})$

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
GFSK (LE 2Mbps)	2402	Fig.2	39.10%	4.08	0.40

Note: Correction Factor= $10 \cdot \log(1/\text{Duty Cycle})$

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
Coded 125K	2402	Fig.3	82.40%	0.84	0.40

Note: Correction Factor= $10 \cdot \log(1/\text{Duty Cycle})$

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
Coded 500K	2402	Fig.4	58.90%	2.30	0.40

Note: Correction Factor= $10 \cdot \log(1/\text{Duty Cycle})$



TEST GRAPHS

Test Mode: GFSK (LE 1Mbps)

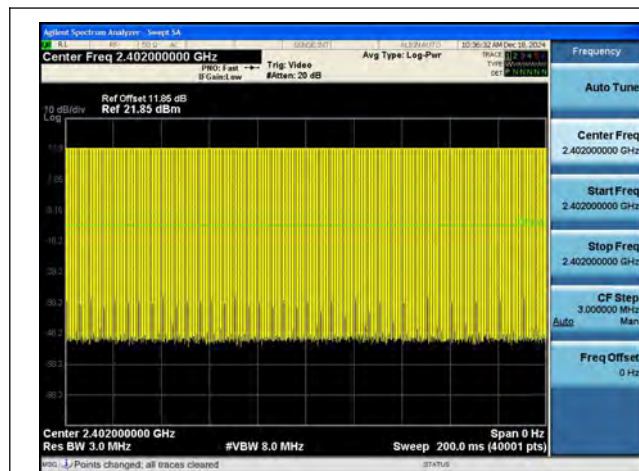


Fig.1

Test Mode: GFSK (LE 2Mbps)

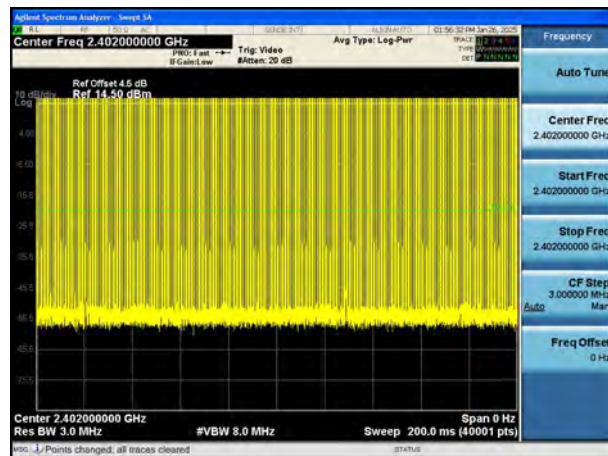


Fig.2

Test Mode: Coded 125K

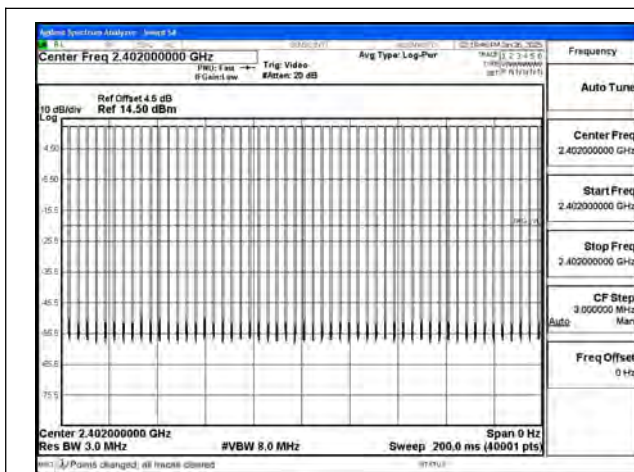


Fig.3

Test Mode: Coded 500K

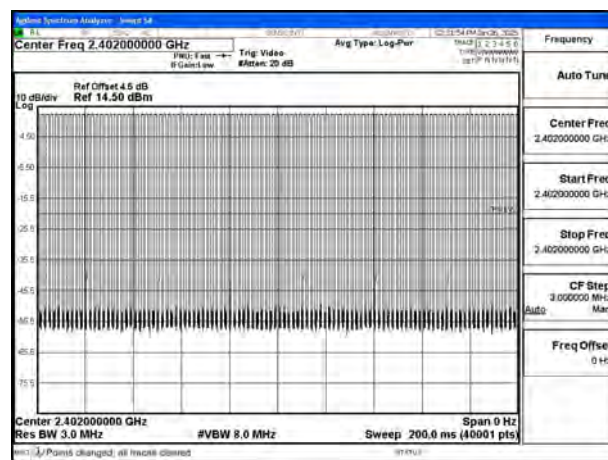


Fig.4

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