

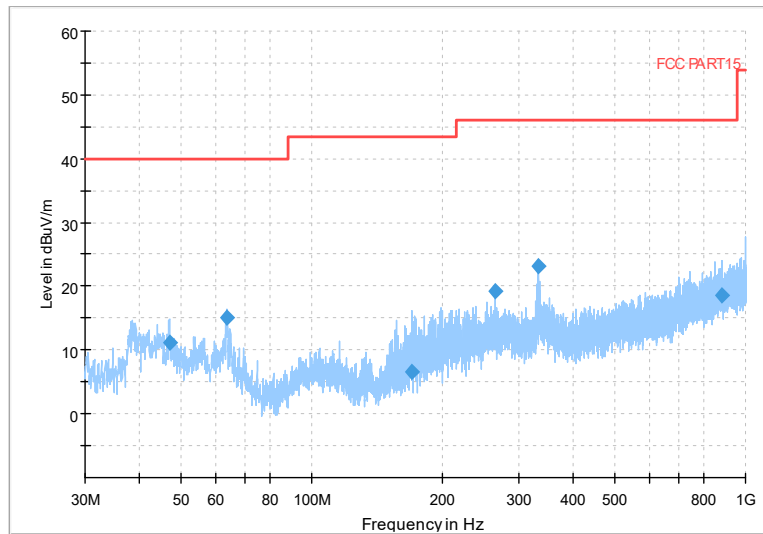


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Test Report No.: PSU-NQN2412260210RF01

Channel No.:9

Full Spectrum

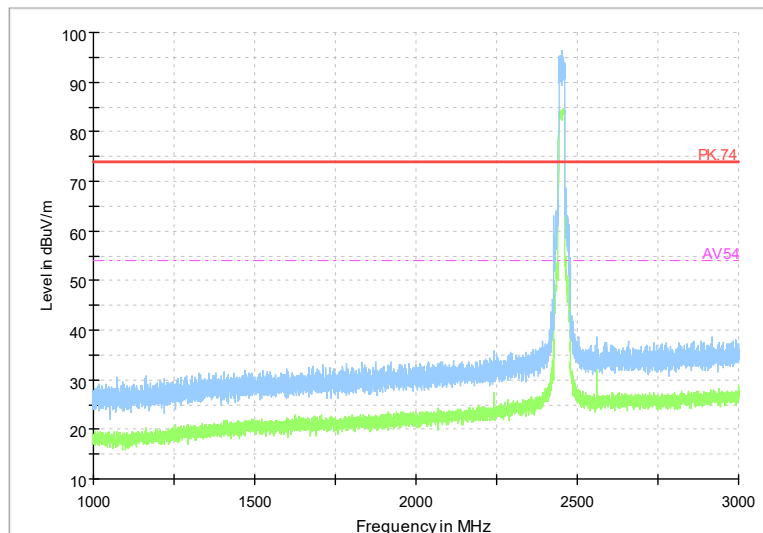


Frequency Range: 30MHz -1GHz

Detector: Av mode and PK mode

Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

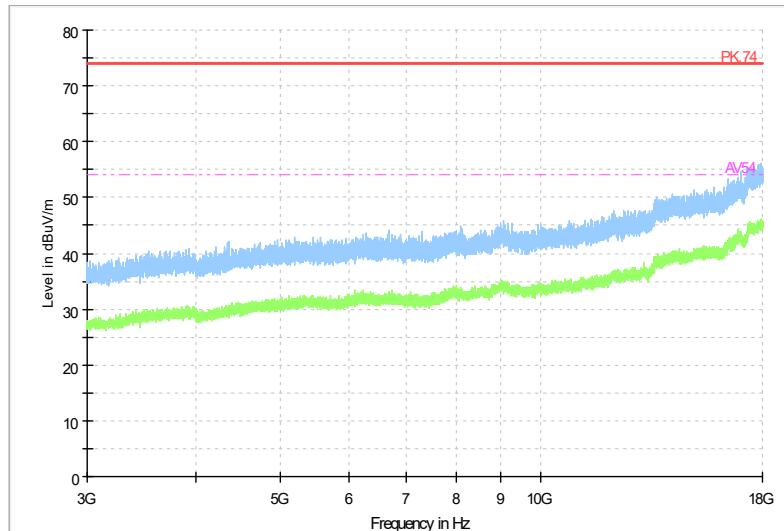
Modulation type: 802.11n(HT40)



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Test Report No.: PSU-NQN2412260210RF01

Full Spectrum

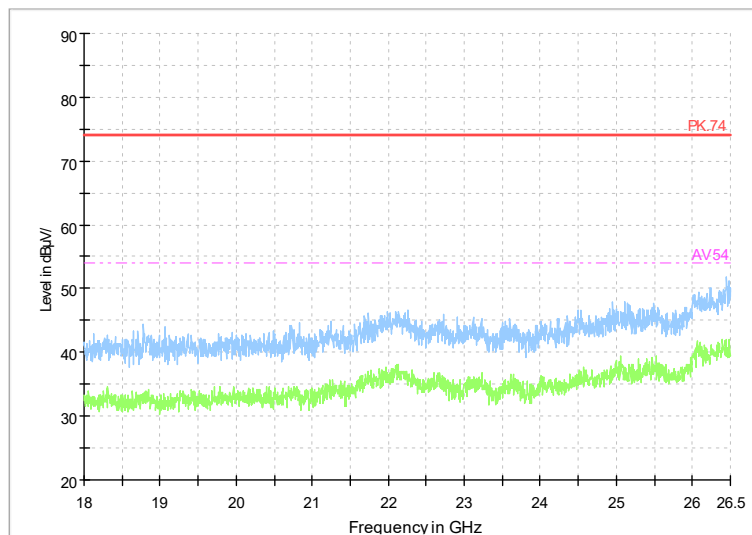


Frequency Range: 3GHz -18GHz

Detector: Av mode and PK mode

Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 18GHz -26GHz

Detector: Av mode and PK mode

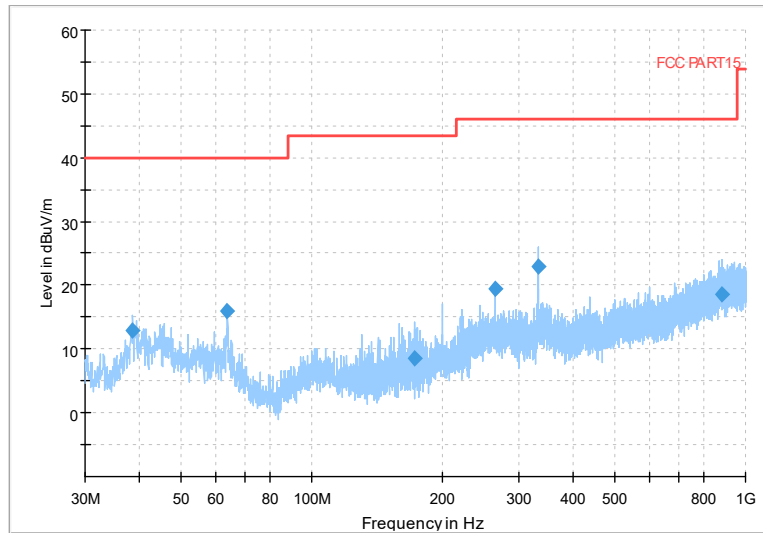
Modulation type: 802.11n(HT40)



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Test Report No.: PSU-NQN2412260210RF01

Full Spectrum

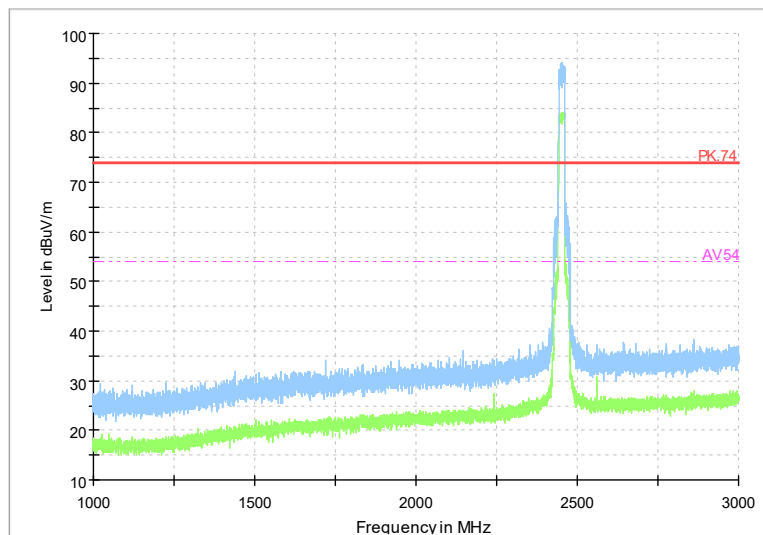


Frequency Range: 30MHz -1GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

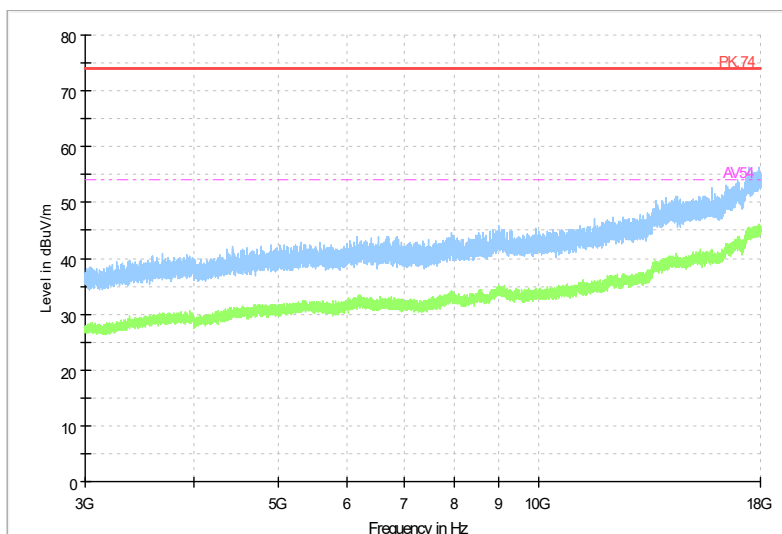
Modulation type: 802.11 ax(HE40)



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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Full Spectrum

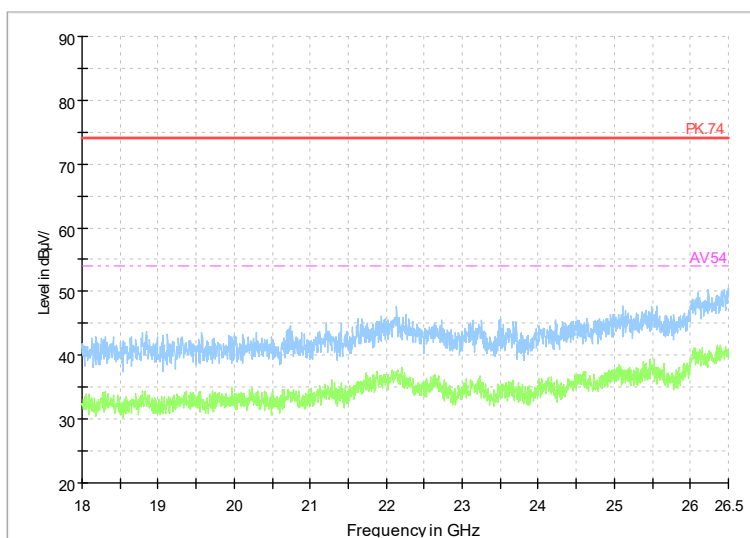


Frequency Range: 3GHz -18GHz

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

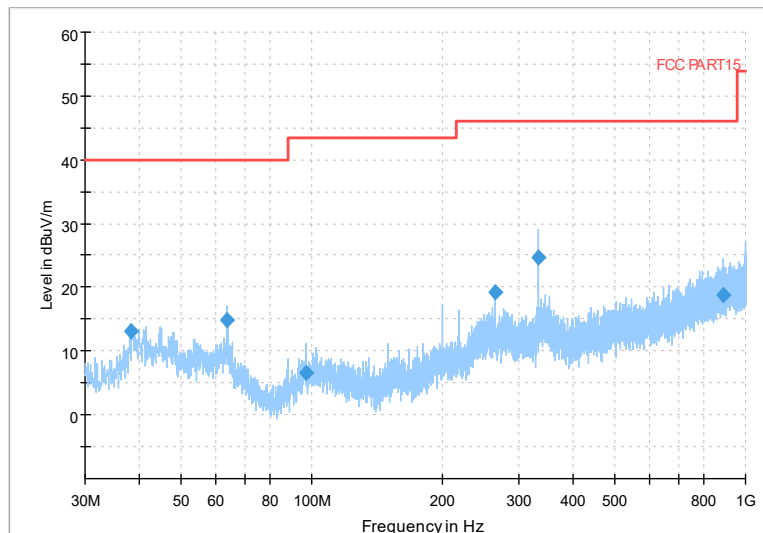
Test Report No.: PSU-NQN2412260210RF01

Partial RU (Tone26)

Carrier frequency (MHz): 2412

Channel No.:1

Full Spectrum

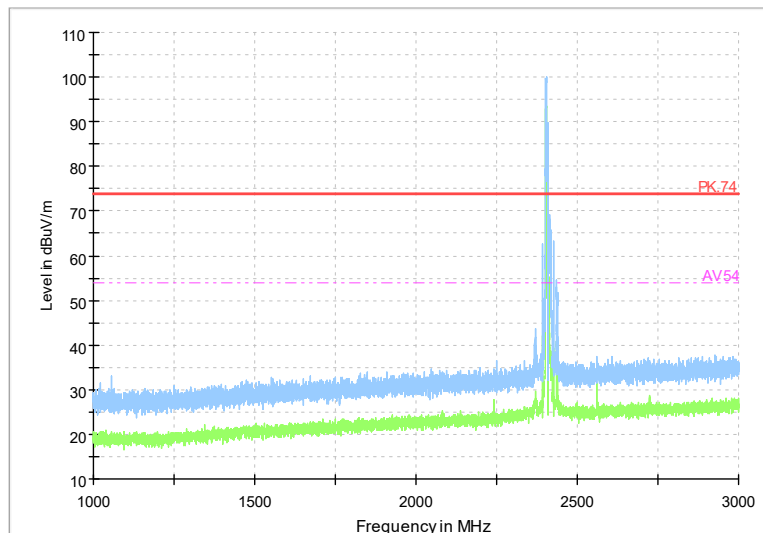


Frequency Range: 30MHz -1GHz

Detector: QP mode

Modulation type: 802.11 ax(HE20)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

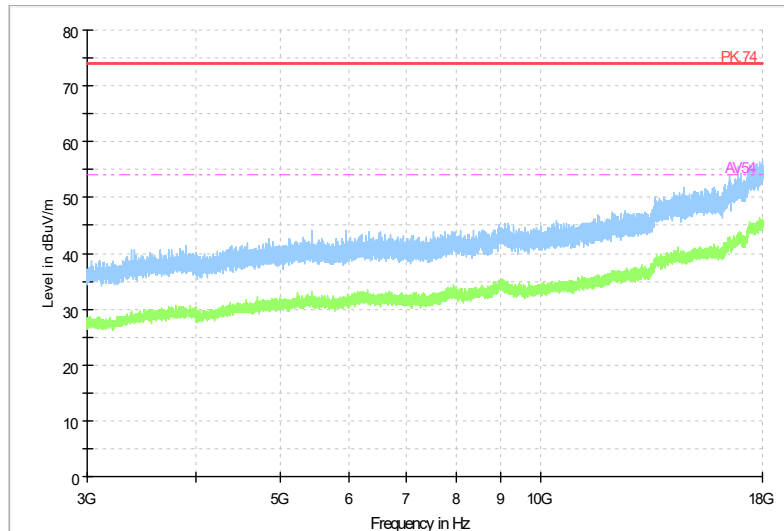
Modulation type: 802.11 ax(HE20)



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Test Report No.: PSU-NQN2412260210RF01

Full Spectrum

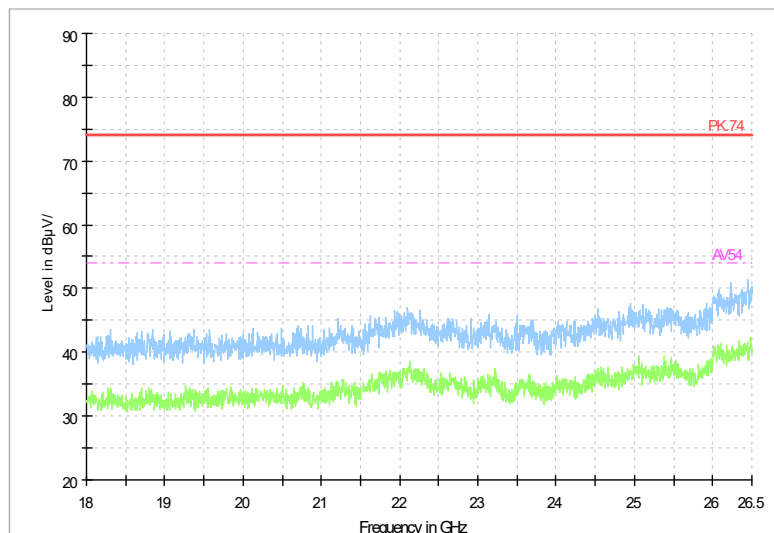


Frequency Range: 3GHz -18GHz

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)



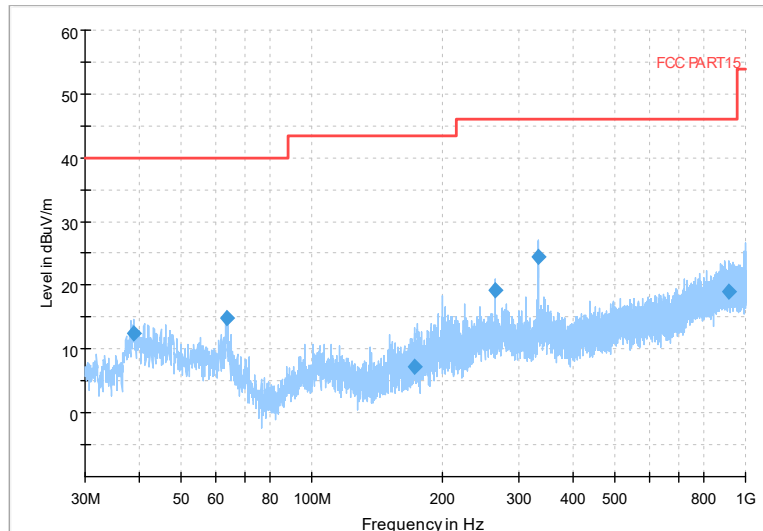
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Test Report No.: PSU-NQN2412260210RF01

Carrier frequency (MHz): 2437

Channel No.:6

Full Spectrum

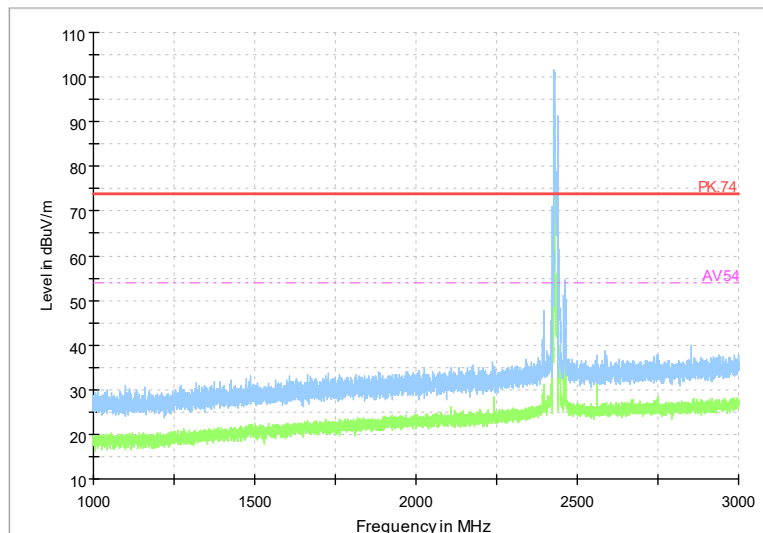


Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE20)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

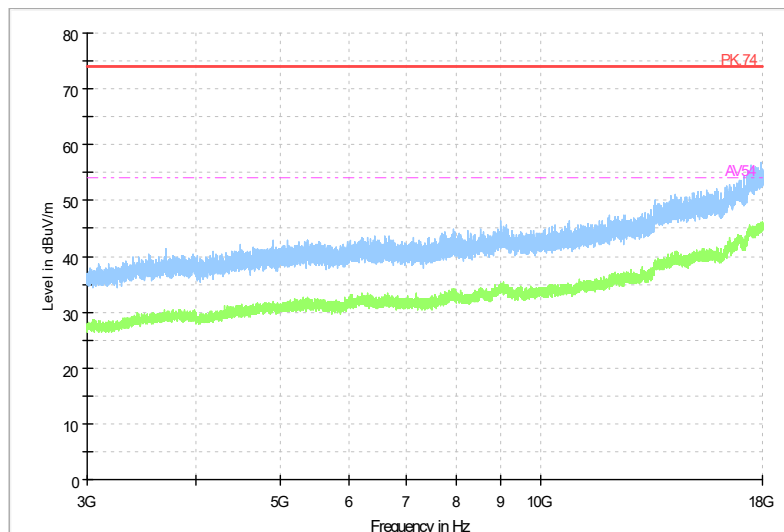
Modulation type: 802.11 ax(HE20)



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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Full Spectrum

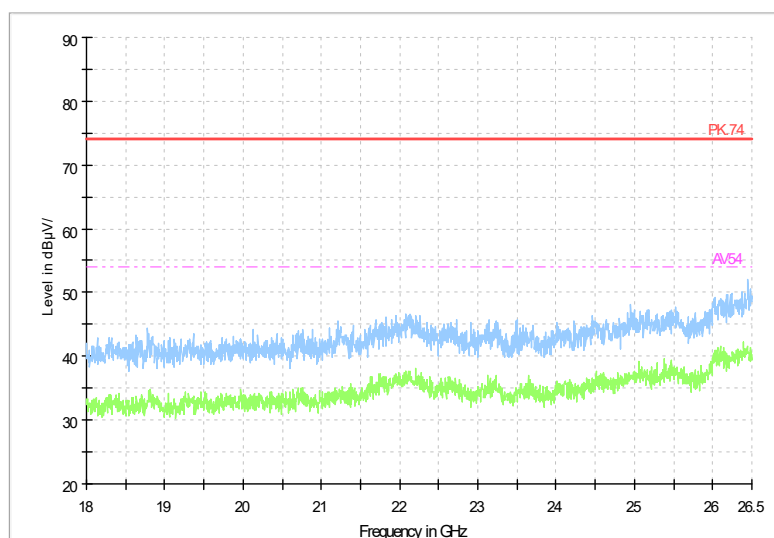


Frequency Range: 3GHz -18GHz

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)



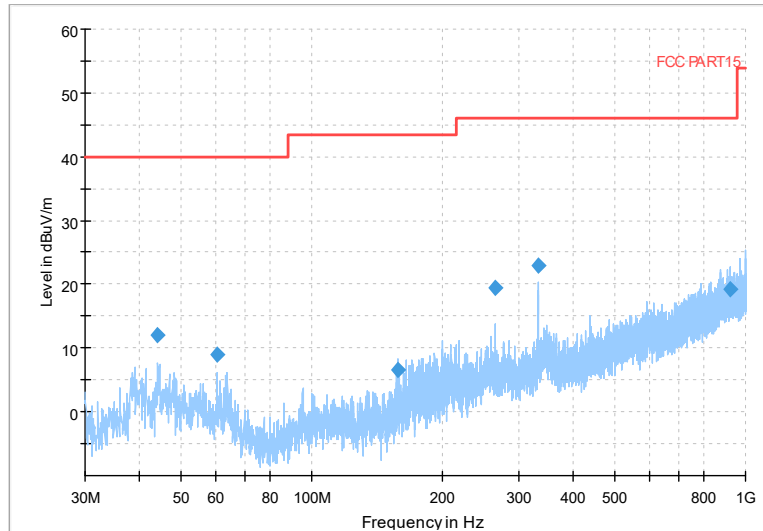
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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Carrier frequency (MHz): 2462

Channel No.:11

Full Spectrum

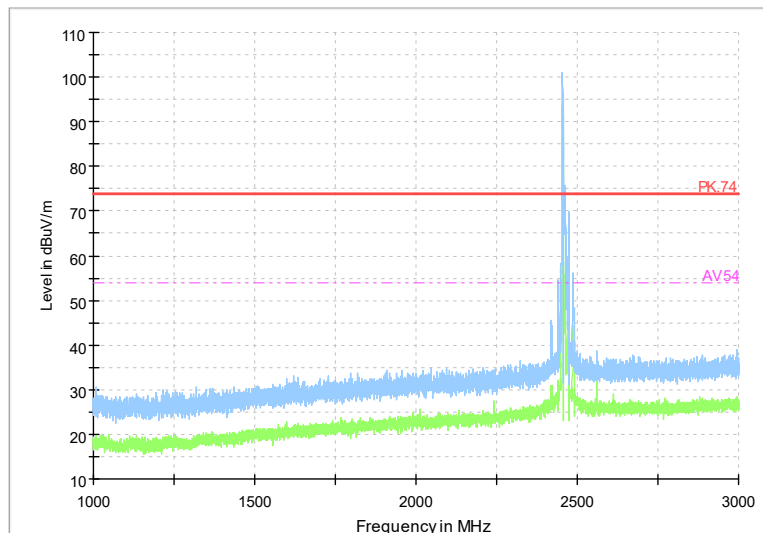


Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE20)

Full Spectrum



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

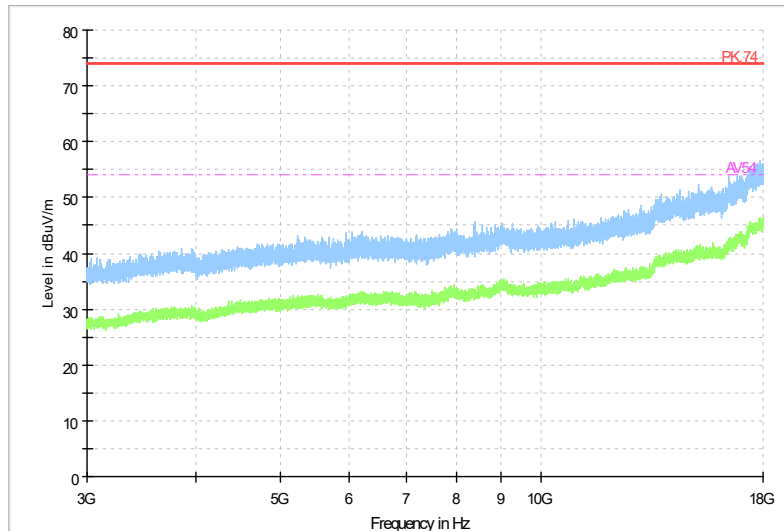
Modulation type: 802.11 ax(HE20)



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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Full Spectrum

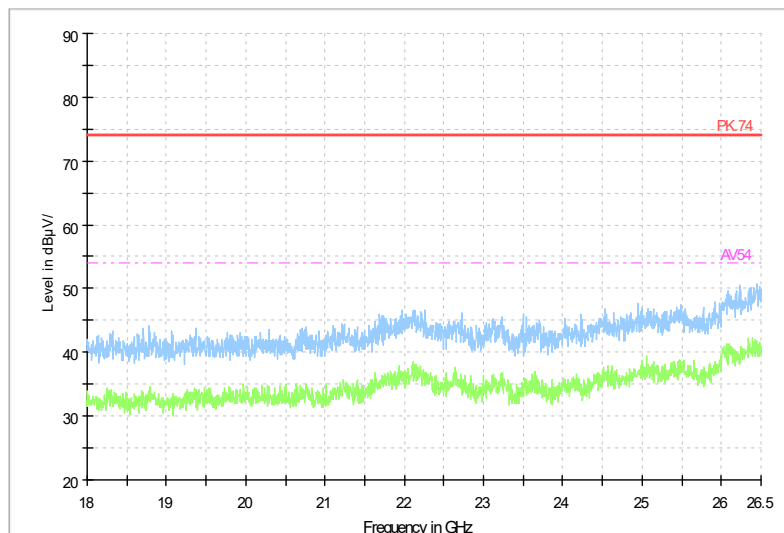


Frequency Range: 3GHz -18GHz

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)

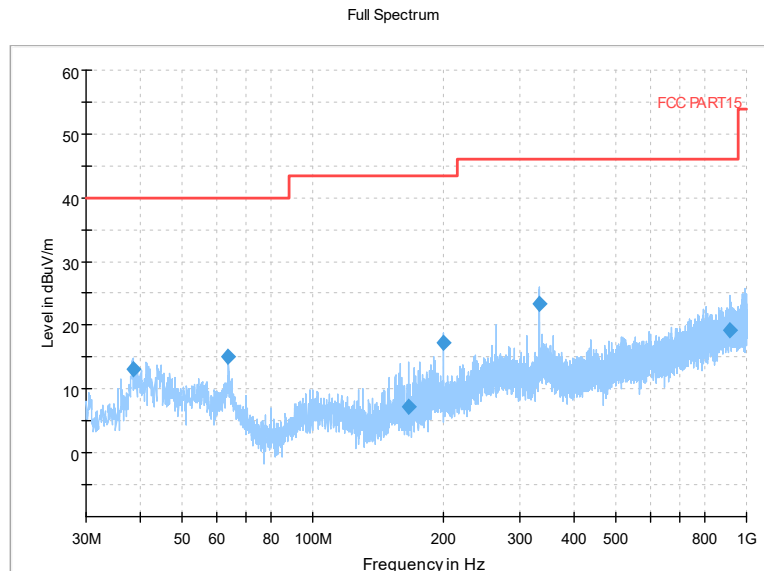


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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Carrier frequency (MHz): 2422

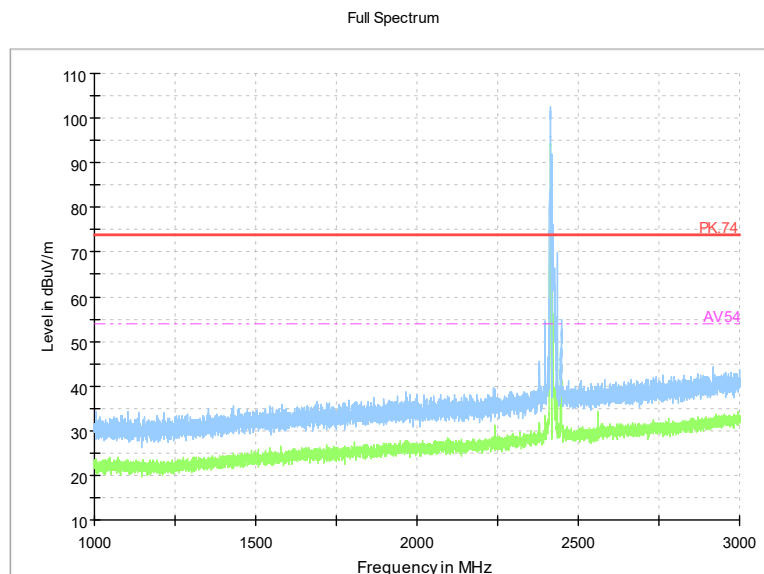
Channel No.:3



Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE40)



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

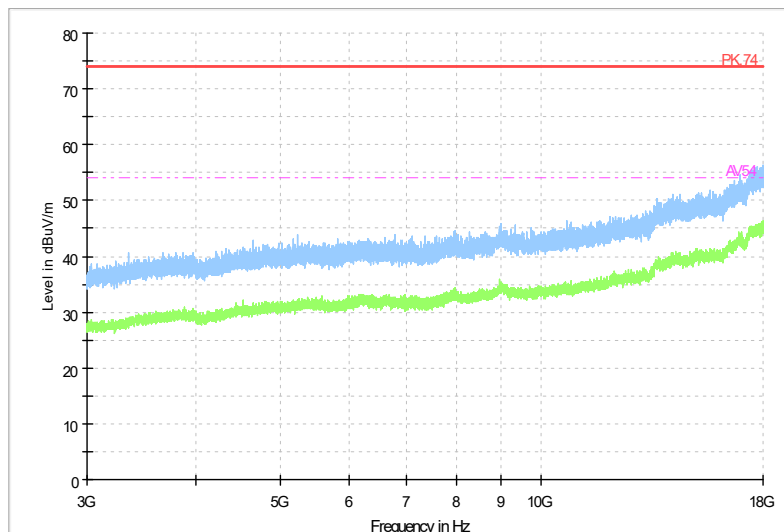
Modulation type: 802.11 ax(HE40)



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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Full Spectrum

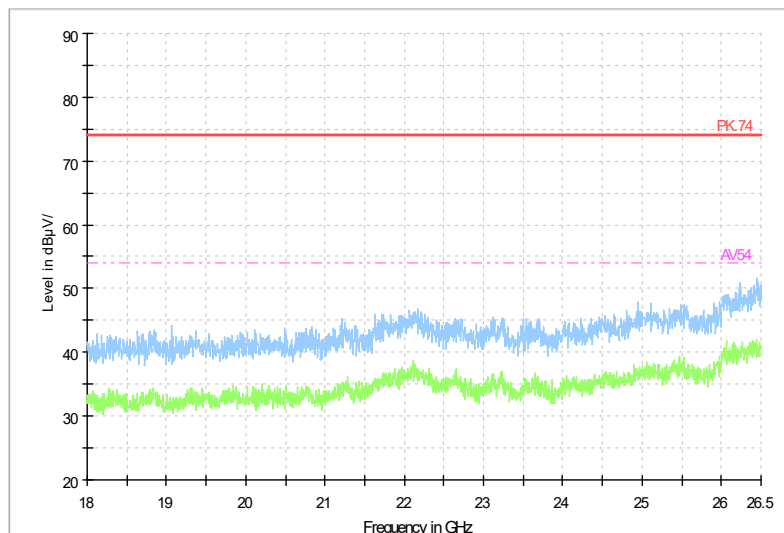


Frequency Range: 3GHz -18GHz

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)

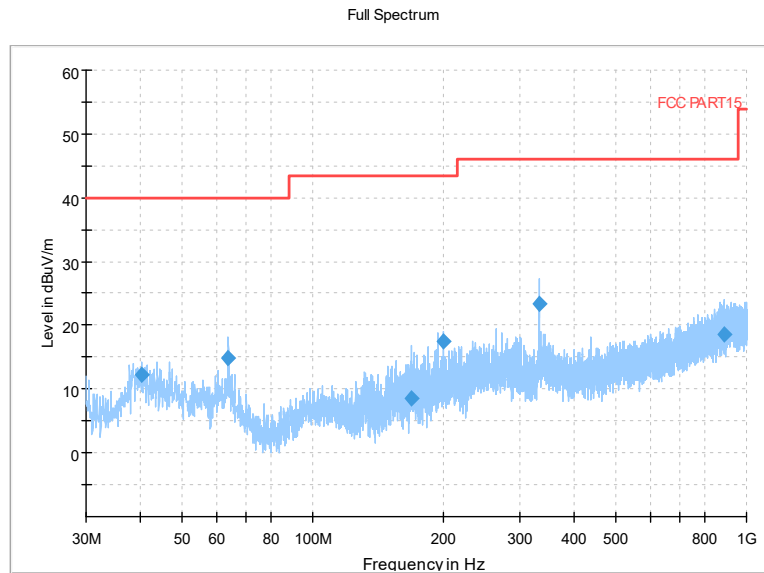


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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Carrier frequency (MHz): 2437

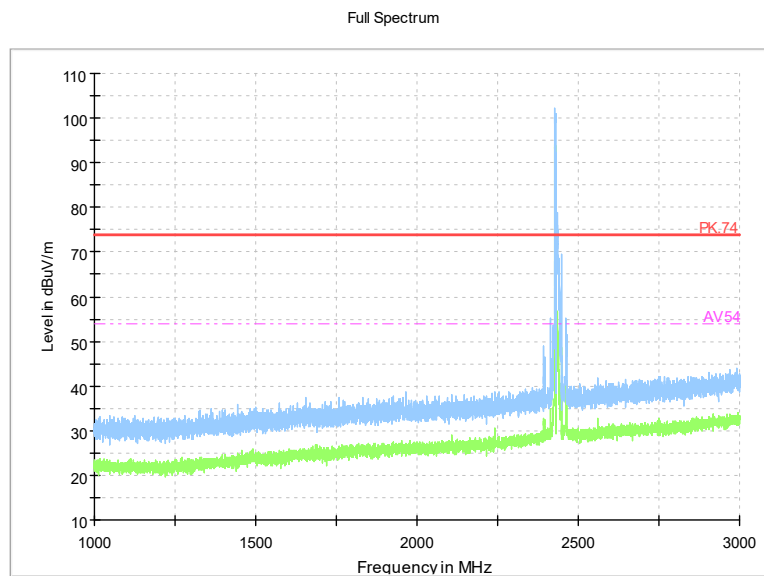
Channel No.:6



Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE40)



Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

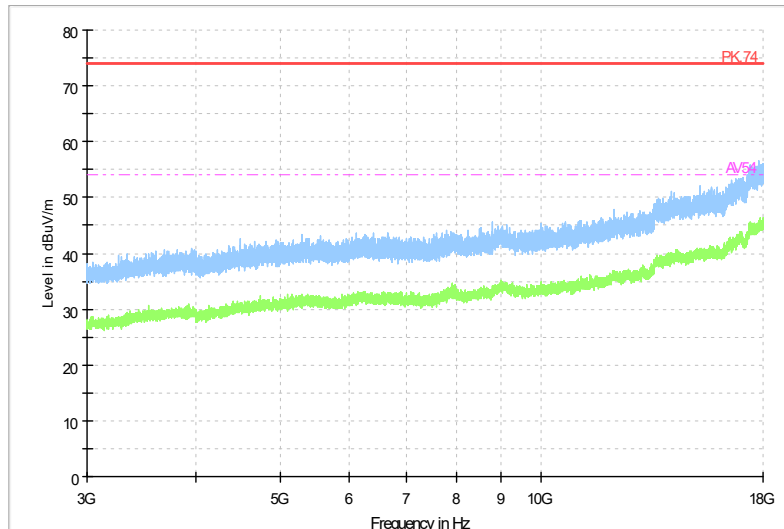
Modulation type: 802.11 ax(HE40)



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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Full Spectrum

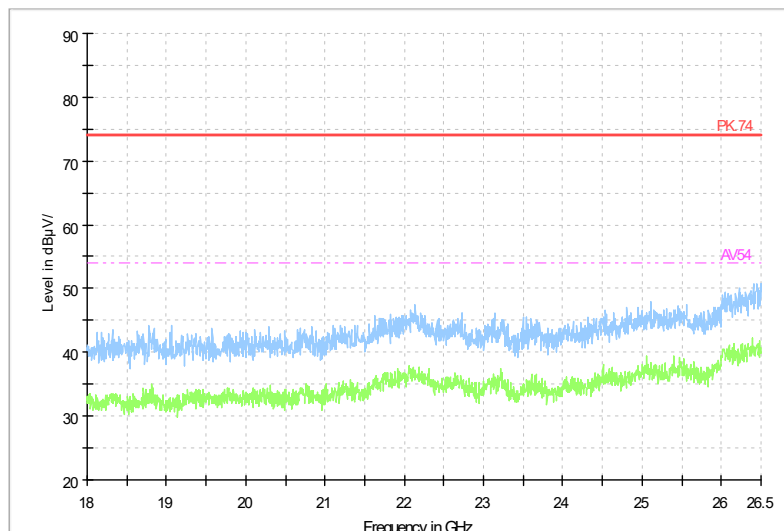


Frequency Range: 3GHz -18GHz

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)



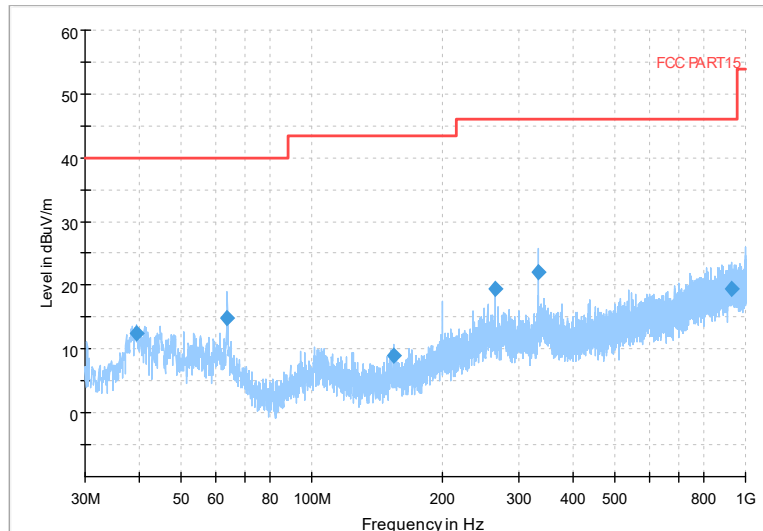
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Test Report No.: PSU-NQN2412260210RF01

Carrier frequency (MHz): 2452

Channel No.:9

Full Spectrum

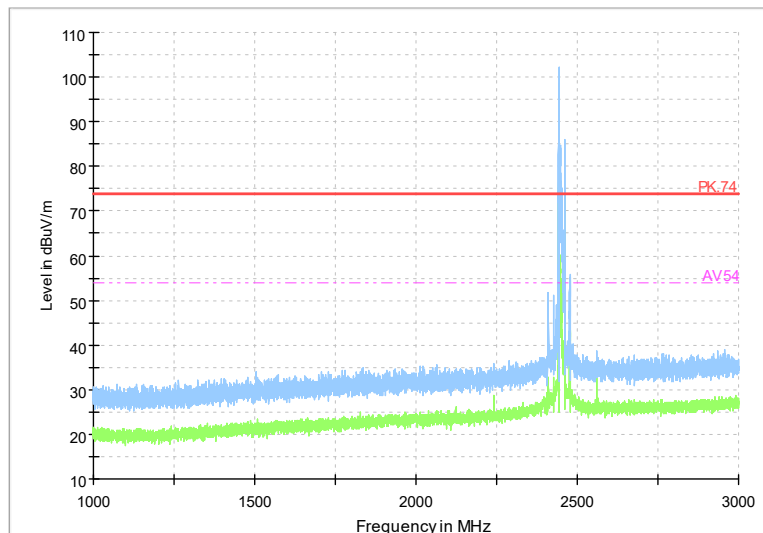


Frequency Range: 30MHz -1GHz

Detector: Detector: QP mode

Modulation type: 802.11 ax(HE40)

Full Spectrum

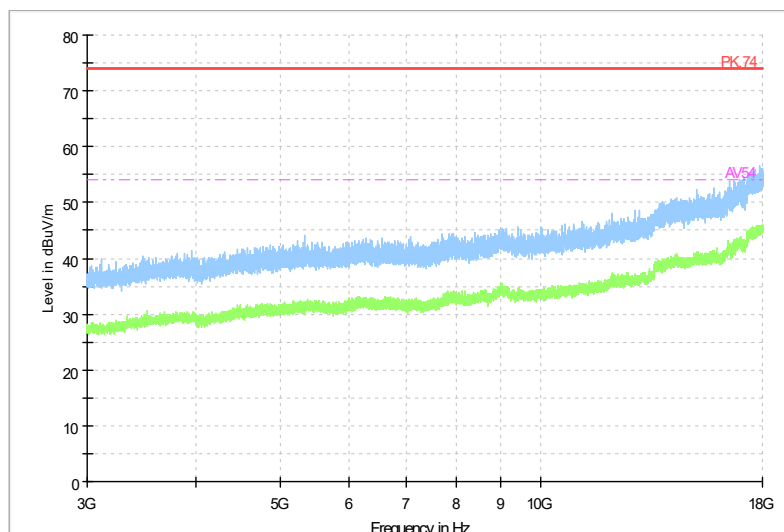


Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

Modulation type: 802.11 ax(HE40)

Full Spectrum

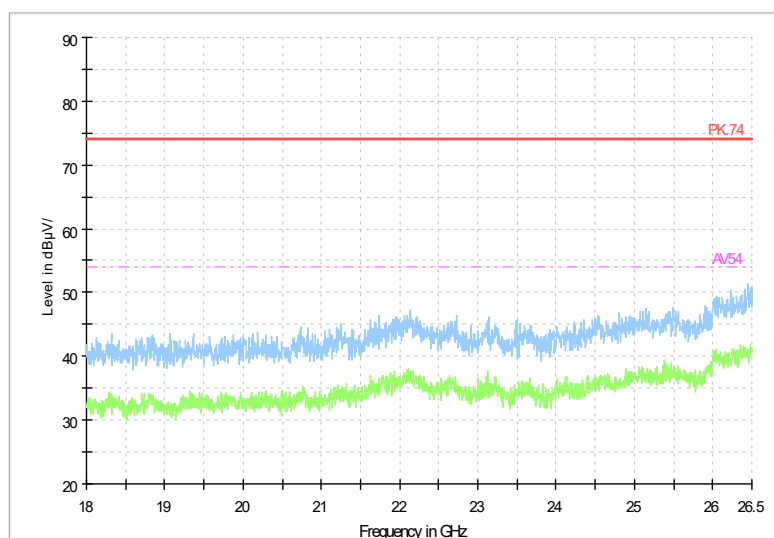


Frequency Range: 3GHz -18GHz

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

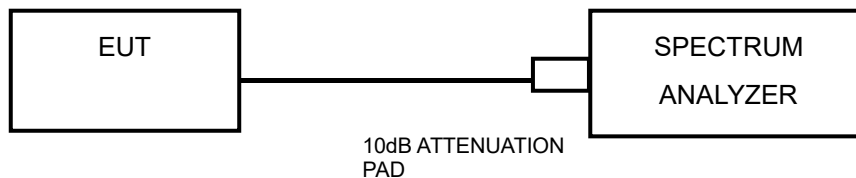
1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points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



Test Report No.: PSU-NQN2412260210RF01

3.3.7 TEST RESULTS

Please Refer to Appendix1/2 Of this test report.

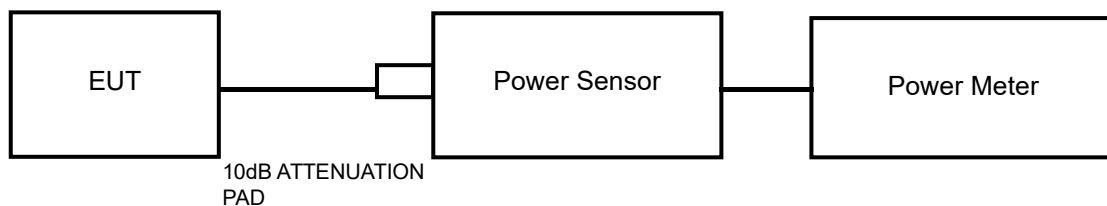


3.4 CONDUCTED OUTPUT POWER

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-NQN2412260210RF01

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.

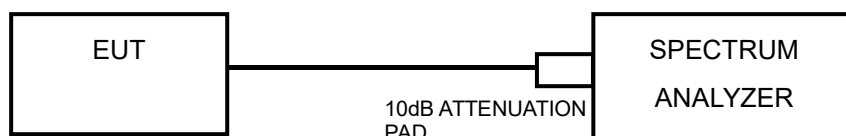
Please Refer to Appendix1/2 Of this test report.

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.



Test Report No.: PSU-NQN2412260210RF01

3.5.7 TEST RESULTS

Please Refer to Appendix1/2 Of this test report.

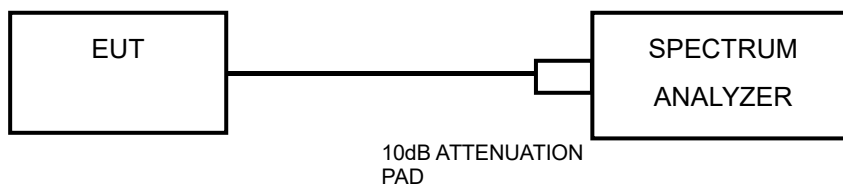


3.6 OUT OF BAND EMISSION MEASUREMENT

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-NQN2412260210RF01

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-NQN2412260210RF01

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	9.02	9.43	8.72
802.11g	Chain0	16.35	16.34	16.38
802.11n HT20	Chain0	16.98	16.88	16.91
802.11ax HE20	Chain0	18.97	18.91	18.90

Test Mode	Antenna	6 dB bandwidth(MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	32.94	35.08	34.73
802.11ax HE40	Chain0	37.03	37.81	36.88

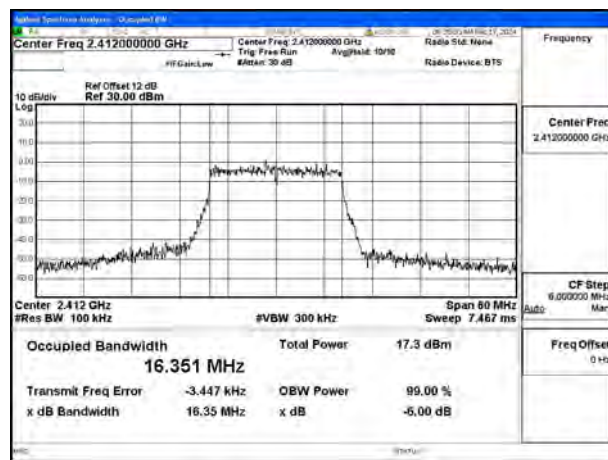
Test Mode	Tones/ RU Index Tones/ RU Index	Antenna	6 dB bandwidth(MHz)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11ax HE20	26T+0	Chain0	2.05	2.03	2.04

Test Mode	Tones/ RU Index 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	2.13	2.09	2.10

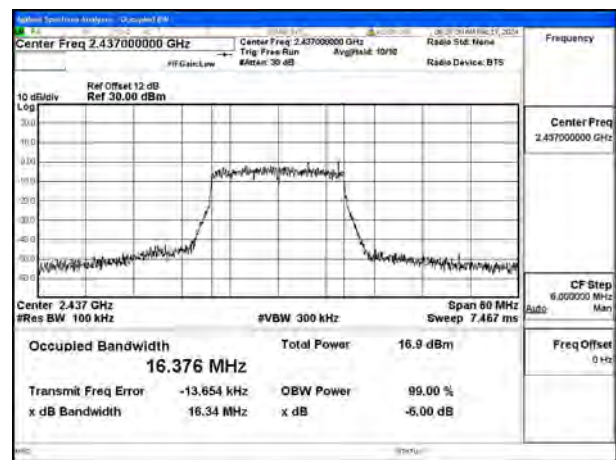


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

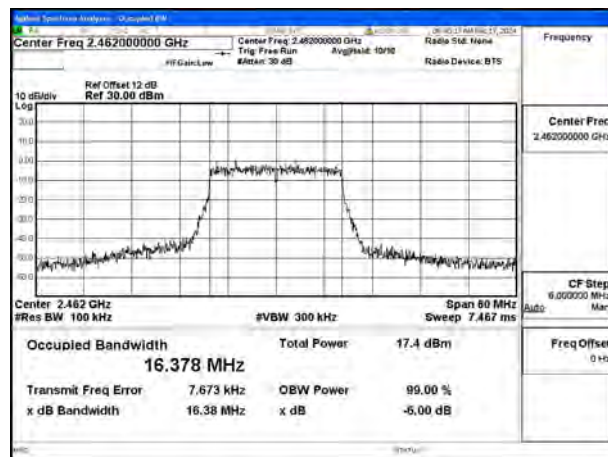
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0

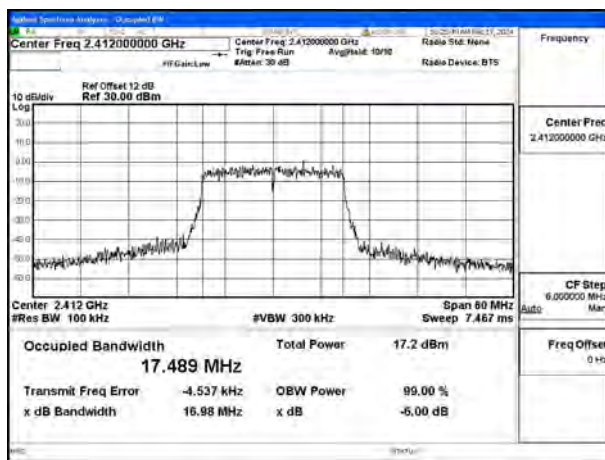


Mode:802.11g Frequency:2462MHz Ant:Chain0



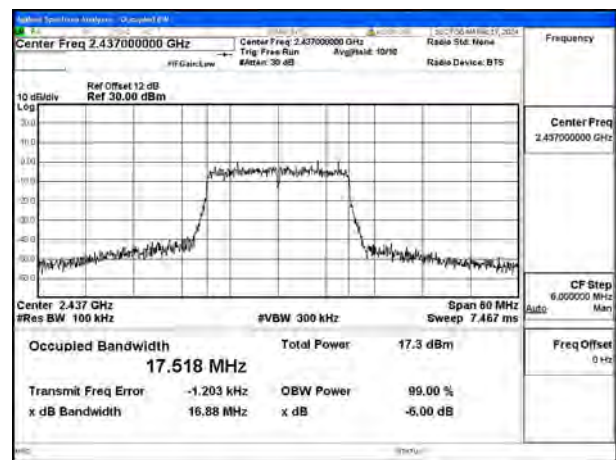
BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

Test Mode: 802.11n HT20



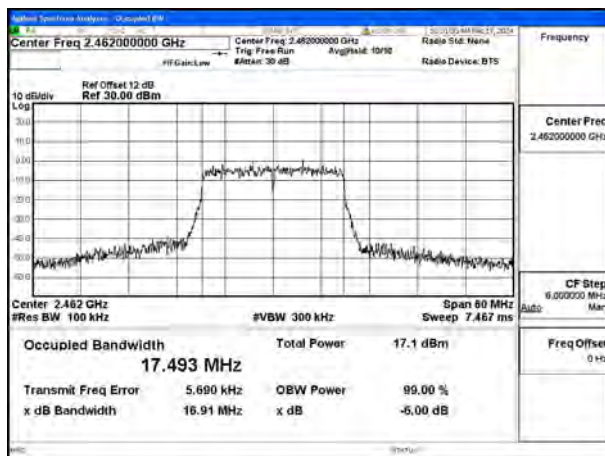
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0



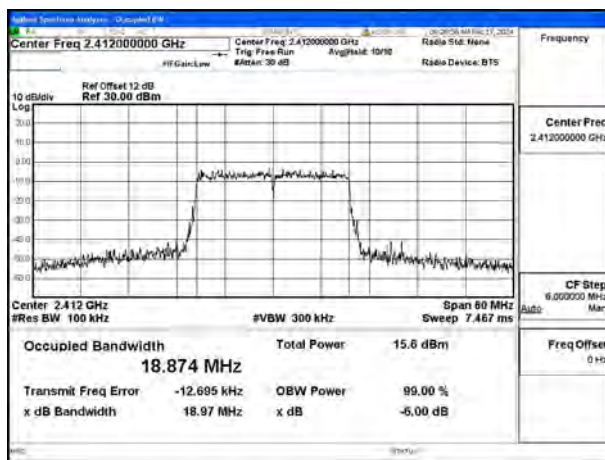
Mode:802.11n HT20 Frequency:2462MHz

Ant:Chain0

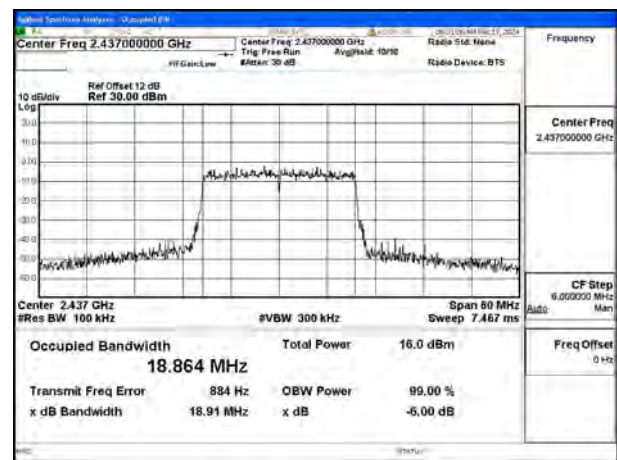


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

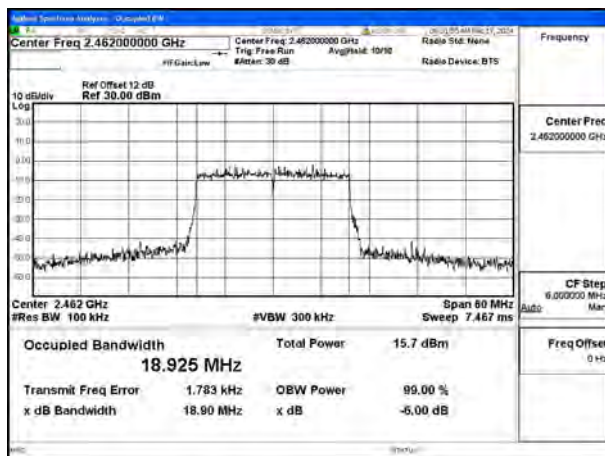
Test Mode: 802.11ax HE20



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



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

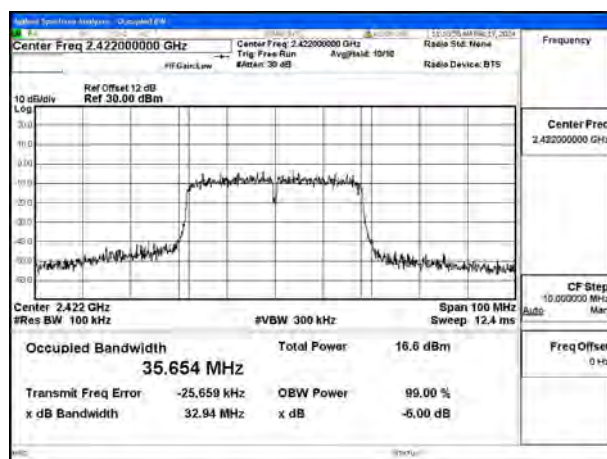


Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Chain0

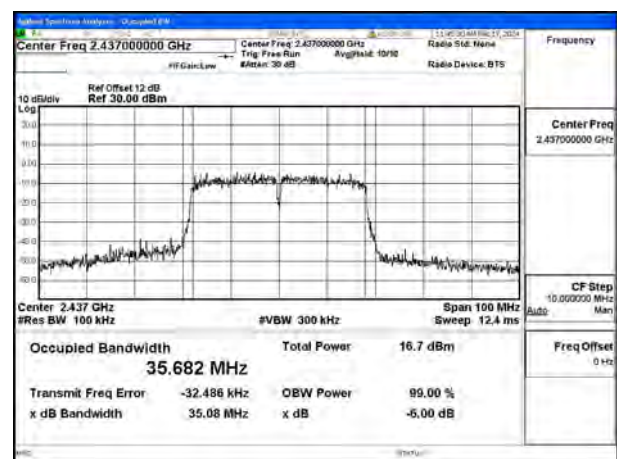
Test Mode: 802.11n HT40



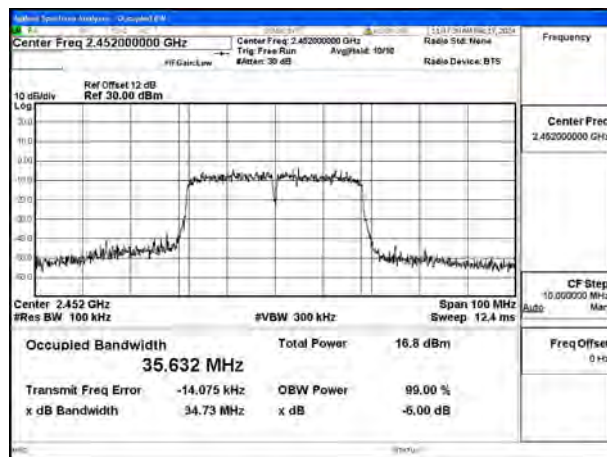
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Mode:802.11n HT40 Frequency:2422MHz
Ant:Chain0



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



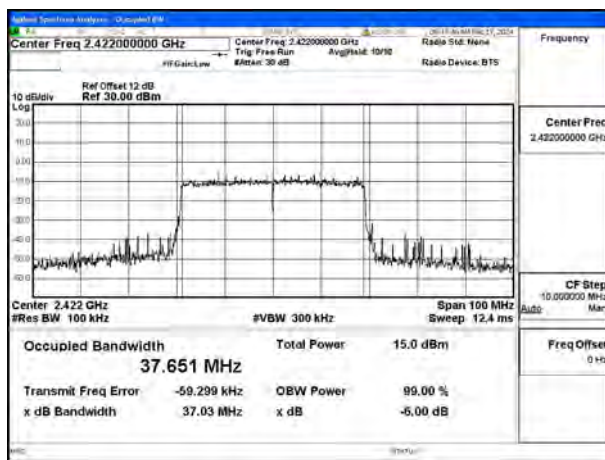
Mode:802.11n HT40 Frequency:2452MHz
Ant:Chain0



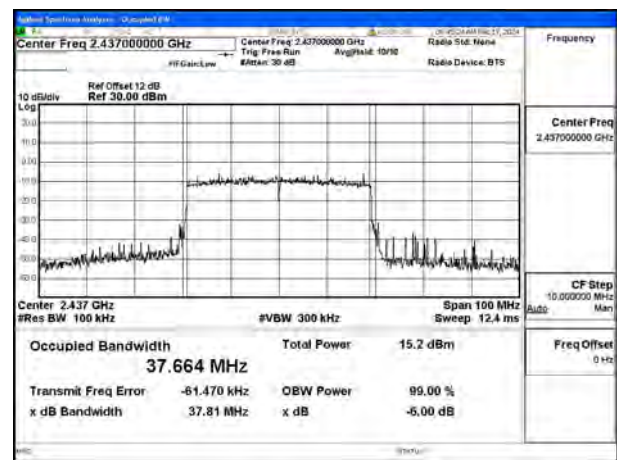
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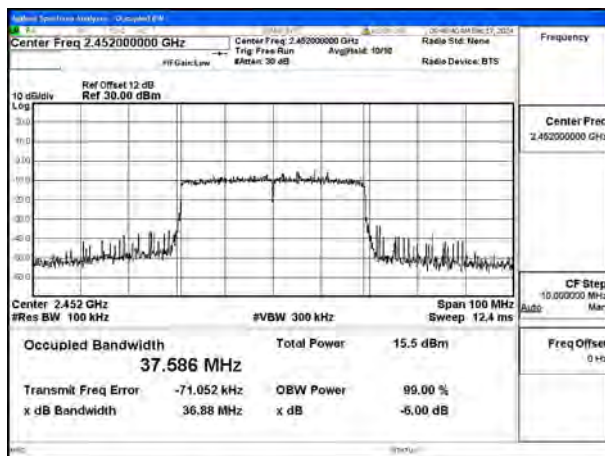
Test Mode: 802.11ax HE40



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



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

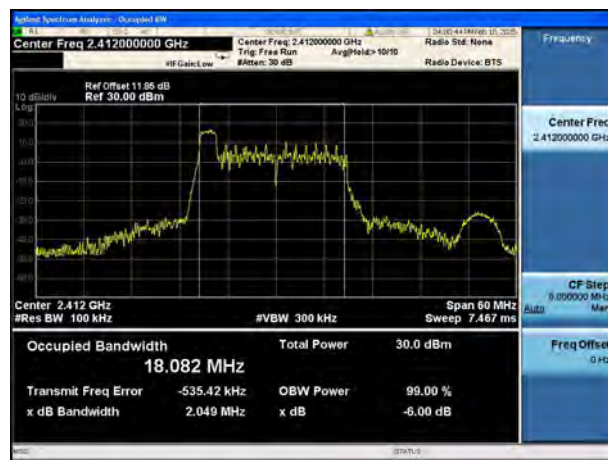


Mode:802.11ax HE40 Tone:484T
Frequency:2452MHz Ant:Chain0

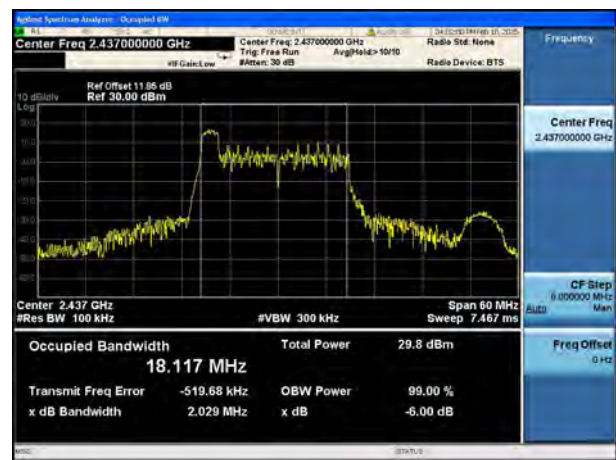


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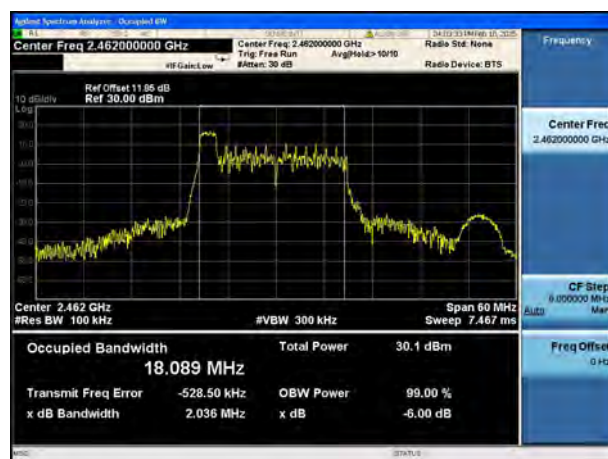
Test Mode: 802.11ax HE20 26T



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



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



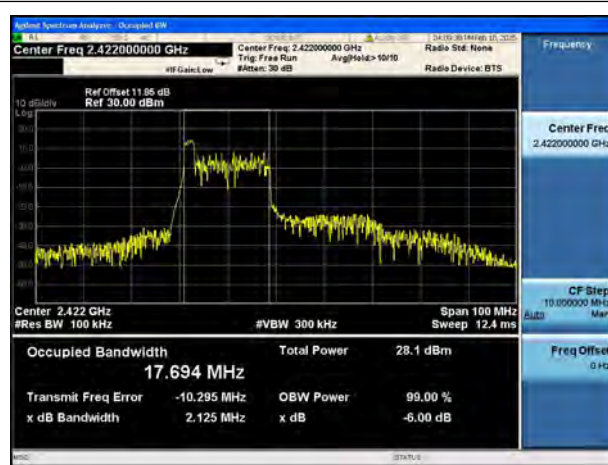
Mode:802.11ax HE20 Tone:26T Frequency:2462MHz
Ant:Chain0



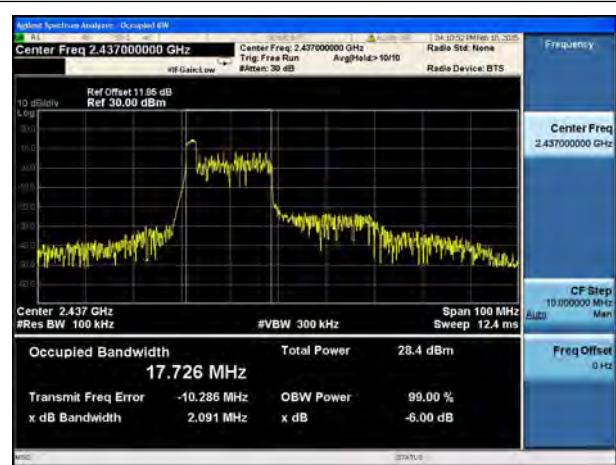
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Test Report No.: PSU-NQN2412260210RF01

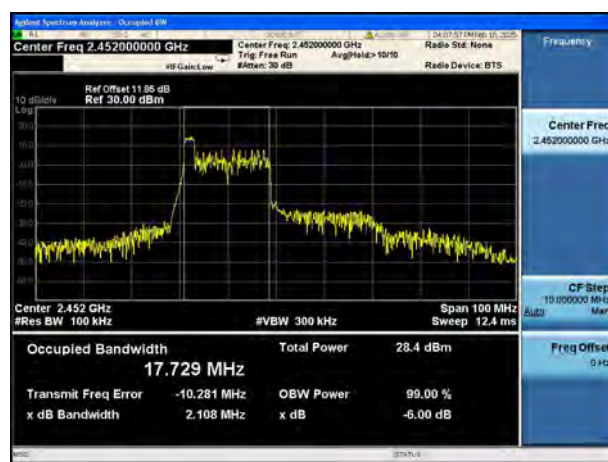
Test Mode: 802.11ax HE40 26T



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	13.362	13.386	13.397
802.11g	Chain0	16.604	16.613	16.610
802.11n HT20	Chain0	17.612	17.600	17.627
802.11ax HE20	Chain0	19.068	19.148	18.985

Test Mode	Antenna	99% bandwidth(MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	35.736	35.642	35.653
802.11ax HE40	Chain0	37.760	37.619	37.655

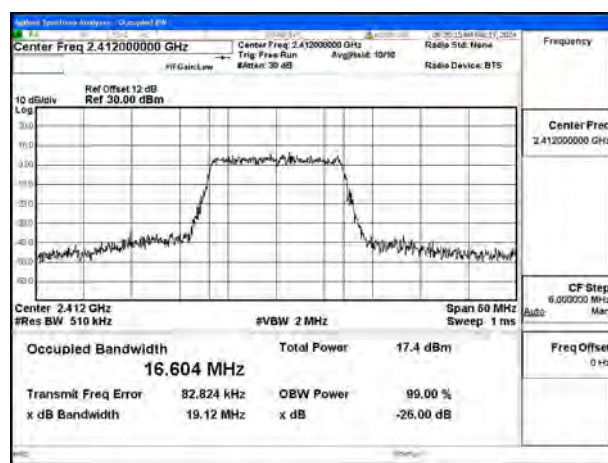
Test Mode	Tones/ RU Index Tones/ RU Index	Antenna	99% bandwidth(MHz)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11ax HE20	26T+0	Chain0	18.42	18.48	18.42

Test Mode	Tones/ RU Index 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	18.26	18.23	18.27

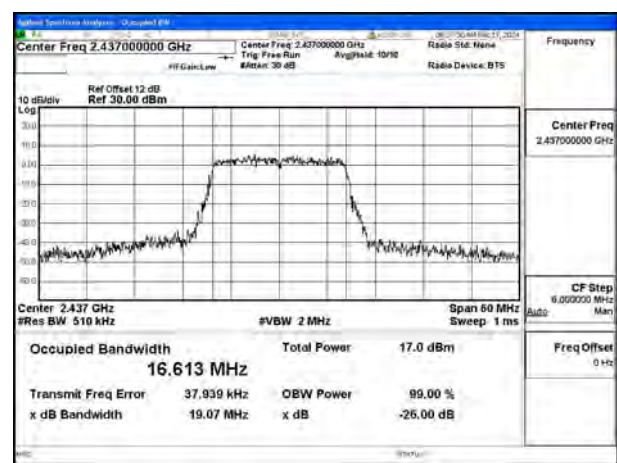


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

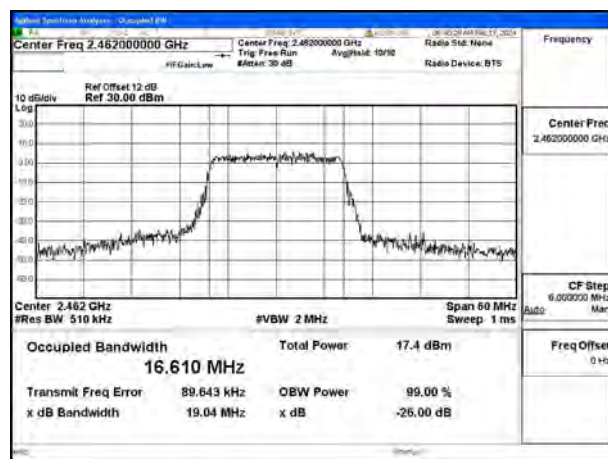
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0



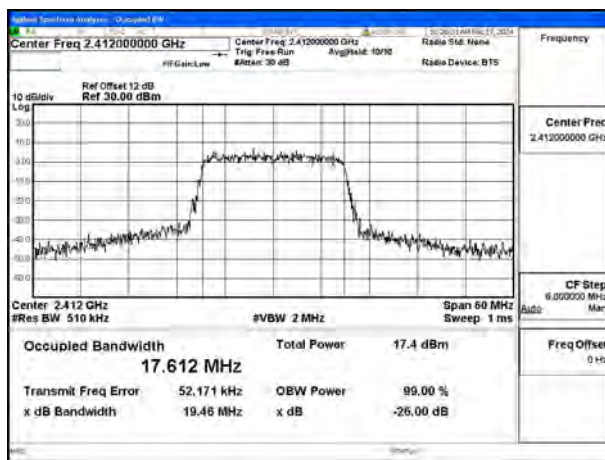
Mode:802.11g Frequency:2462MHz Ant:Chain0



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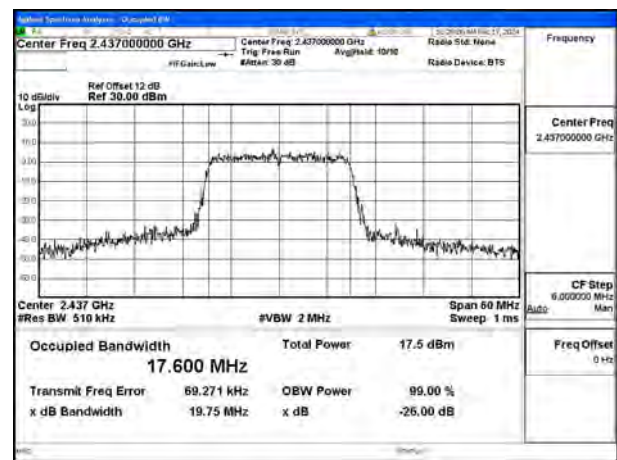
Test Report No.: PSU-NQN2412260210RF01

Test Mode: 802.11n HT20



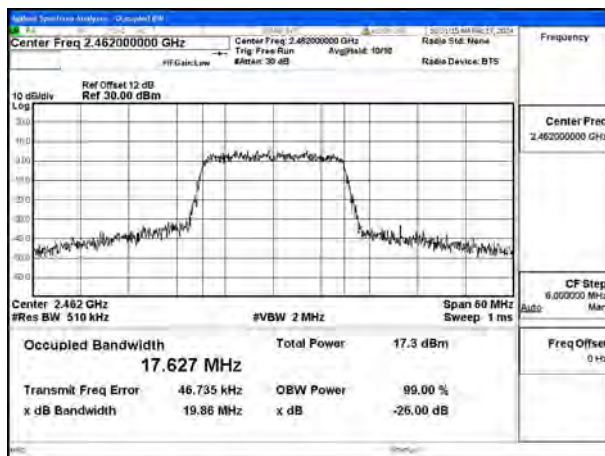
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0



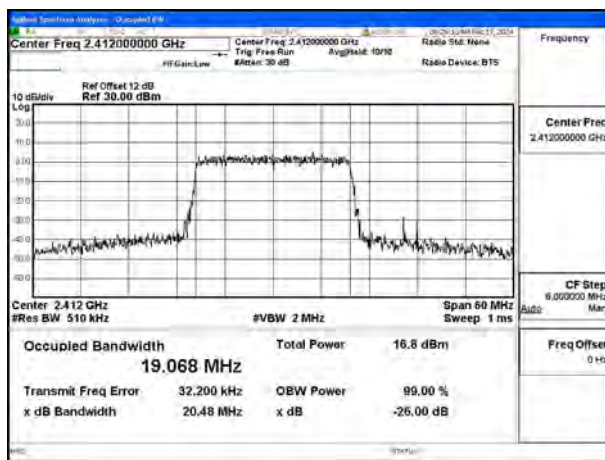
Mode:802.11n HT20 Frequency:2462MHz

Ant:Chain0

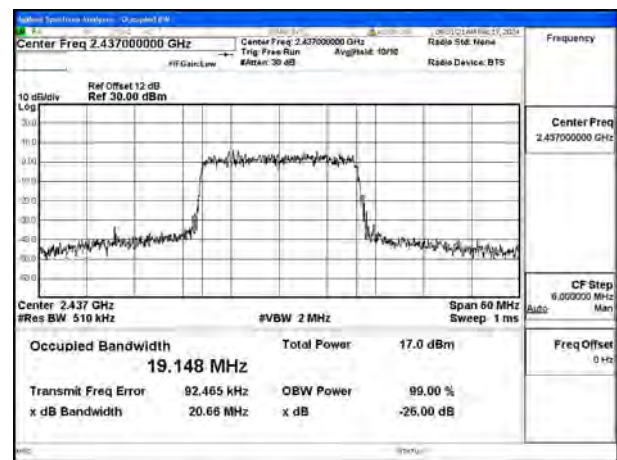


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

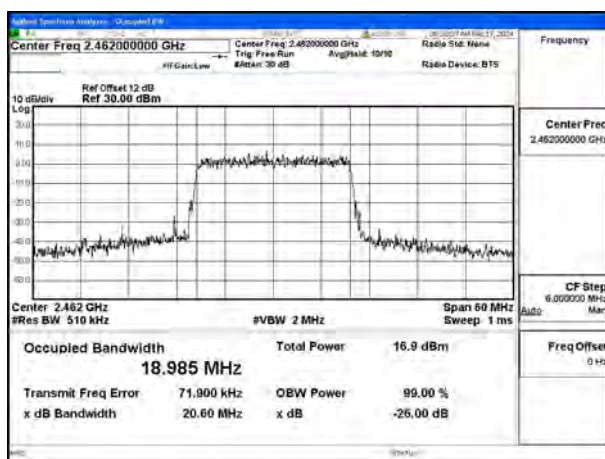
Test Mode: 802.11ax HE20



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



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

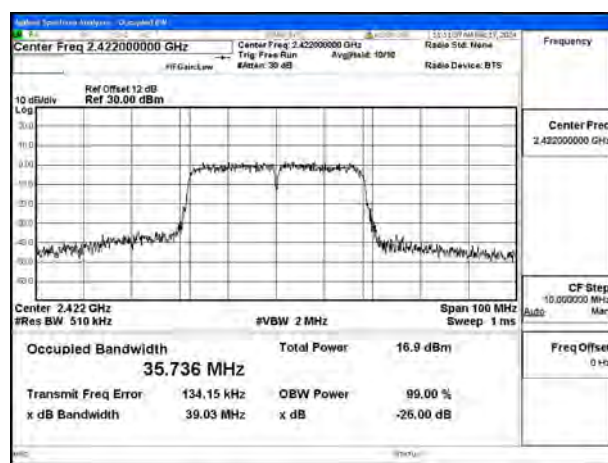


Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Chain0



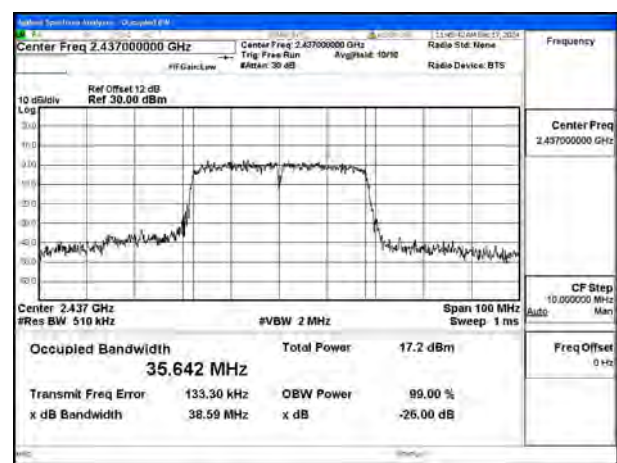
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Test Mode: 802.11n HT40



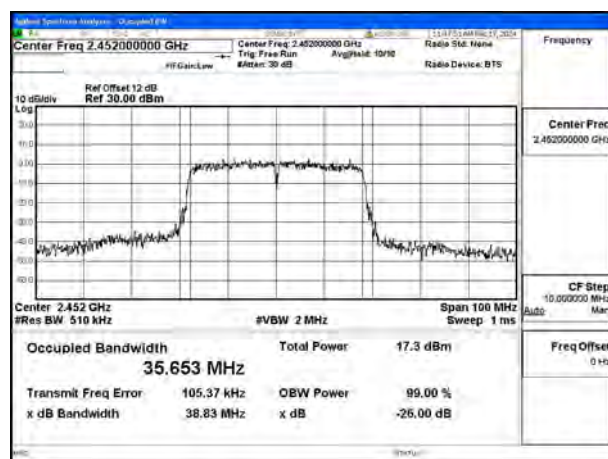
Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2437MHz

Ant:Chain0



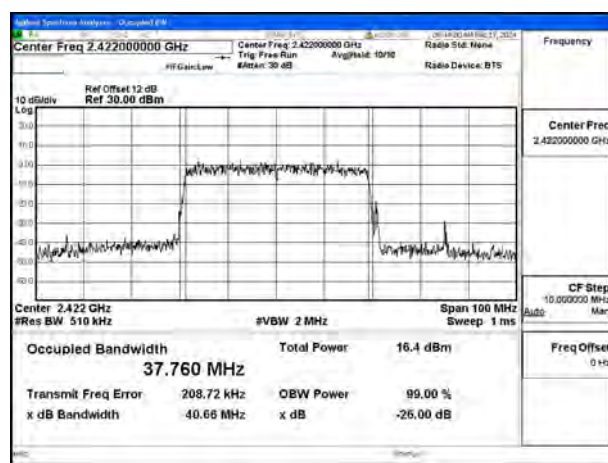
Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0

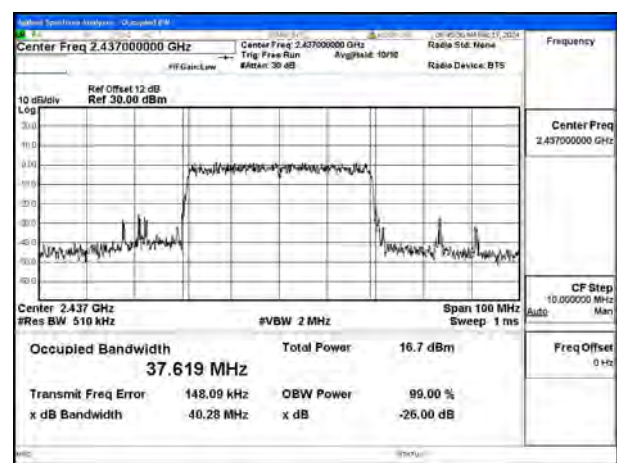


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

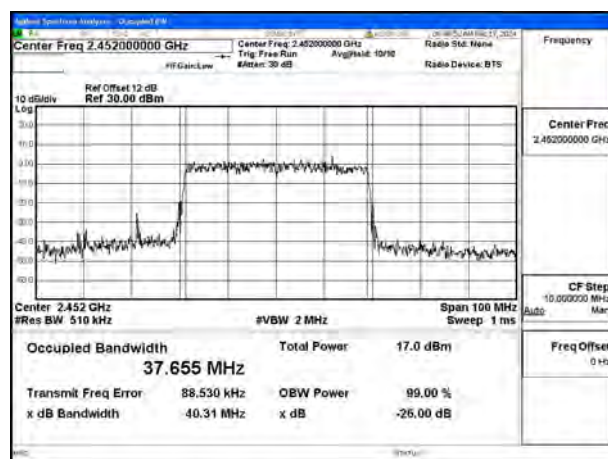
Test Mode: 802.11ax HE40



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



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



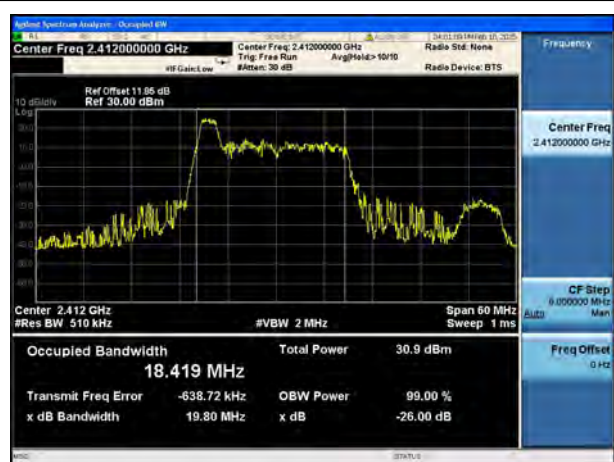
Mode:802.11ax HE40 Tone:484T
Frequency:2452MHz Ant:Chain0



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Test Mode: 802.11ax HE20 26T



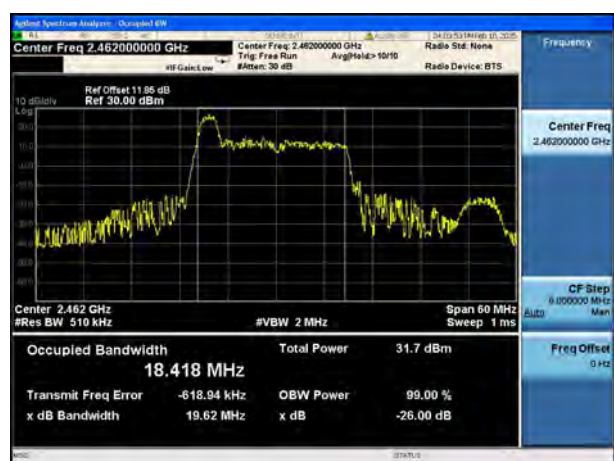
Mode:802.11ax HE20 Tone:26T Frequency:2412MHz

Ant:Chain0



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

Ant:Chain0



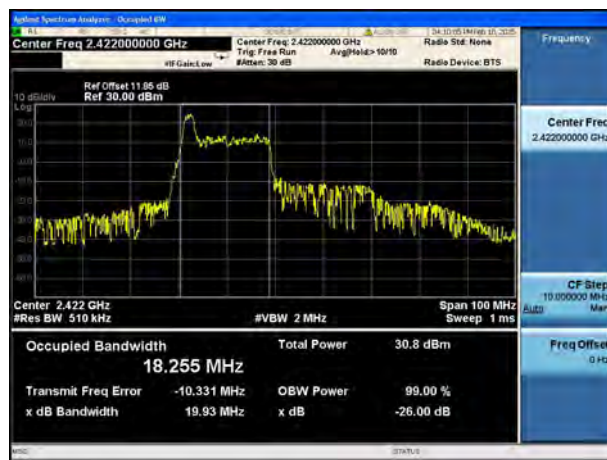
Mode:802.11ax HE20 Tone:26T Frequency:2462MHz

Ant:Chain0

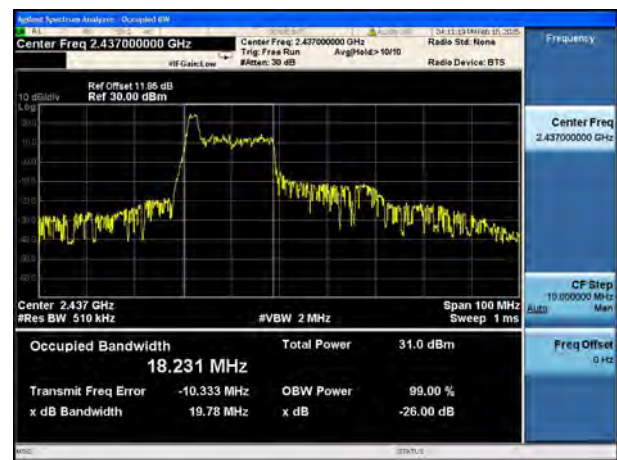


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

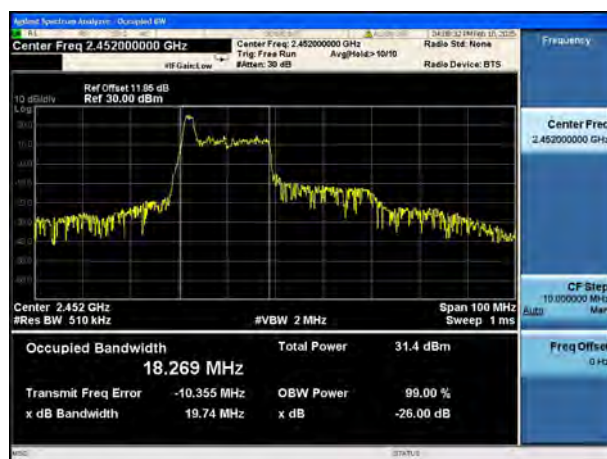
Test Mode: 802.11ax HE40 26T



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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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	16.85	13.82	14.22
802.11b	NA	2437	Chain0	16.51	13.51	13.91
802.11b	NA	2462	Chain0	16.74	13.68	14.08
802.11g	NA	2412	Chain0	21.48	14.34	14.74
802.11g	NA	2437	Chain0	21.02	13.95	14.35
802.11g	NA	2462	Chain0	21.34	14.16	14.56
802.11n HT20	NA	2412	Chain0	21.44	14.01	14.41
802.11n HT20	NA	2437	Chain0	21.63	14.20	14.60
802.11n HT20	NA	2462	Chain0	21.43	13.99	14.39
802.11n HT40	NA	2422	Chain0	20.92	13.66	14.06
802.11n HT40	NA	2437	Chain0	21.13	13.77	14.17
802.11n HT40	NA	2452	Chain0	21.18	13.91	14.31

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	19.22	10.74	11.14
802.11ax HE20	26T+0	2437	Chain0	19.79	11.24	11.64
802.11ax HE20	26T+0	2462	Chain0	20.06	11.63	12.03
802.11ax HE20	26T+4	2412	Chain0	19.14	10.80	11.20
802.11ax HE20	26T+4	2437	Chain0	19.31	11.26	11.66
802.11ax HE20	26T+4	2462	Chain0	19.99	11.66	12.06
802.11ax HE20	26T+8	2412	Chain0	18.97	10.64	11.04
802.11ax HE20	26T+8	2437	Chain0	19.55	11.08	11.48
802.11ax HE20	26T+8	2462	Chain0	19.27	11.64	12.04
802.11ax HE20	52T+37	2412	Chain0	19.09	10.82	11.22



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802.11ax HE20	52T+37	2437	Chain0	19.73	11.42	11.82
802.11ax HE20	52T+37	2462	Chain0	20.28	11.75	12.15
802.11ax HE20	52T+39	2412	Chain0	18.95	10.80	11.20
802.11ax HE20	52T+39	2437	Chain0	19.42	11.44	11.84
802.11ax HE20	52T+39	2462	Chain0	20.06	11.74	12.14
802.11ax HE20	52T+40	2412	Chain0	19.21	10.85	11.25
802.11ax HE20	52T+40	2437	Chain0	19.54	11.43	11.83
802.11ax HE20	52T+40	2462	Chain0	19.95	11.83	12.23
802.11ax HE20	106T+53	2412	Chain0	19.18	11.19	11.59
802.11ax HE20	106T+53	2437	Chain0	19.56	11.65	12.05
802.11ax HE20	106T+53	2462	Chain0	19.51	11.52	11.92
802.11ax HE20	106T+54	2412	Chain0	19.07	11.11	11.51
802.11ax HE20	106T+54	2437	Chain0	19.67	11.70	12.10
802.11ax HE20	106T+54	2462	Chain0	19.69	11.54	11.94
802.11ax HE20	242T+61	2412	Chain0	19.18	11.36	11.76
802.11ax HE20	242T+61	2437	Chain0	19.39	11.50	11.90
802.11ax HE20	242T+61	2462	Chain0	19.45	11.50	11.90
802.11ax HE40	26T+0	2422	Chain0	18.44	10.49	10.89
802.11ax HE40	26T+0	2437	Chain0	19.08	10.38	10.78
802.11ax HE40	26T+0	2452	Chain0	18.65	10.09	10.49
802.11ax HE40	26T+10	2422	Chain0	18.65	10.46	10.86
802.11ax HE40	26T+10	2437	Chain0	18.95	10.19	10.59
802.11ax HE40	26T+10	2452	Chain0	18.79	10.07	10.47
802.11ax HE40	26T+17	2422	Chain0	19.23	10.61	11.01
802.11ax HE40	26T+17	2437	Chain0	18.61	10.43	10.83
802.11ax HE40	26T+17	2452	Chain0	19.20	10.25	10.65
802.11ax HE40	52T+37	2422	Chain0	18.58	10.14	10.54
802.11ax HE40	52T+37	2437	Chain0	19.15	10.37	10.77
802.11ax HE40	52T+37	2452	Chain0	18.03	10.28	10.68
802.11ax HE40	52T+41	2422	Chain0	18.54	10.26	10.66
802.11ax HE40	52T+41	2437	Chain0	18.85	10.35	10.75
802.11ax HE40	52T+41	2452	Chain0	18.39	10.30	10.70
802.11ax HE40	52T+44	2422	Chain0	18.55	10.14	10.54
802.11ax HE40	52T+44	2437	Chain0	18.68	10.42	10.82
802.11ax HE40	52T+44	2452	Chain0	18.39	10.24	10.64

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802.11ax HE40	106T+53	2422	Chain0	18.83	10.43	10.83
802.11ax HE40	106T+53	2437	Chain0	19.02	10.54	10.94
802.11ax HE40	106T+53	2452	Chain0	18.90	10.53	10.93
802.11ax HE40	106T+55	2422	Chain0	18.54	10.52	10.92
802.11ax HE40	106T+55	2437	Chain0	19.09	10.54	10.94
802.11ax HE40	106T+55	2452	Chain0	18.54	10.69	11.09
802.11ax HE40	106T+56	2422	Chain0	18.81	10.41	10.81
802.11ax HE40	106T+56	2437	Chain0	19.15	10.64	11.04
802.11ax HE40	106T+56	2452	Chain0	18.80	10.65	11.05
802.11ax HE40	242T+61	2422	Chain0	18.83	11.01	11.41
802.11ax HE40	242T+61	2437	Chain0	18.90	11.01	11.41
802.11ax HE40	242T+61	2452	Chain0	18.92	11.09	11.49
802.11ax HE40	242T+62	2422	Chain0	18.80	10.84	11.24
802.11ax HE40	242T+62	2437	Chain0	19.02	11.11	11.51
802.11ax HE40	242T+62	2452	Chain0	18.97	11.02	11.42
802.11ax HE40	484T+65	2422	Chain0	19.01	10.92	11.32
802.11ax HE40	484T+65	2437	Chain0	19.18	11.12	11.52
802.11ax HE40	484T+65	2452	Chain0	19.18	11.14	11.54

**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	-9.528	-9.792	-9.767
802.11g	Chain0	NA	-11.385	-11.606	-11.401
802.11n HT20	Chain0	NA	-12.096	-11.643	-11.936
802.11ax HE20	Chain0	26T	-11.750	-11.264	-11.025
802.11ax HE20	Chain0	52T	-12.314	-13.148	-13.168
802.11ax HE20	Chain0	106T	-16.682	-16.150	-16.434
802.11ax HE20	Chain0	242T	-16.987	-17.023	-16.691

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	-14.363	-14.146	-14.285
802.11ax HE40	Chain0	26T	-11.838	-11.517	-11.625
802.11ax HE40	Chain0	52T	-14.989	-14.907	-14.925
802.11ax HE40	Chain0	106T	-16.233	-16.999	-16.432
802.11ax HE40	Chain0	242T	-17.332	-16.276	-16.612
802.11ax HE40	Chain0	484T	-6.211	-6.014	-6.096

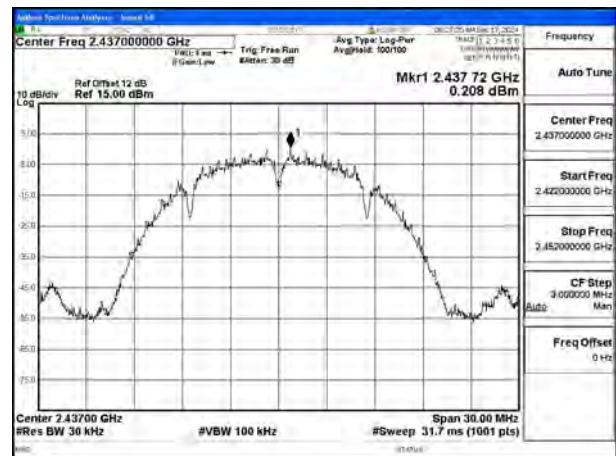


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TEST GRAPHS

Test Mode: 802.11b



Mode:802.11b Frequency:2412MHz Ant:Chain0



Mode:802.11b Frequency:2437MHz Ant:Chain0

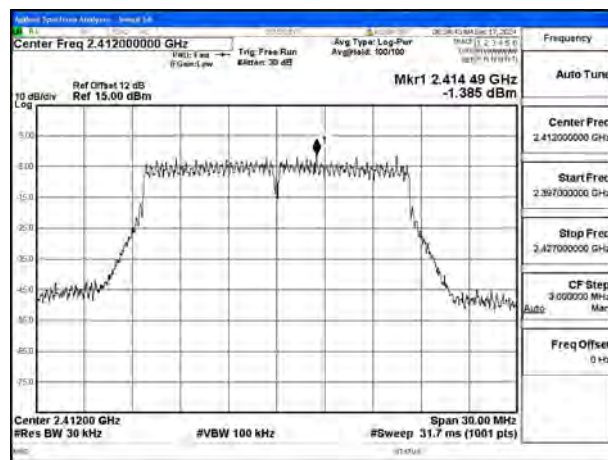


Mode:802.11b Frequency:2462MHz Ant:Chain0

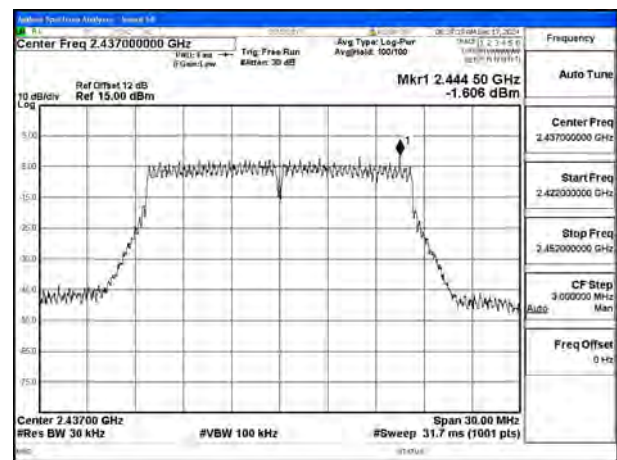


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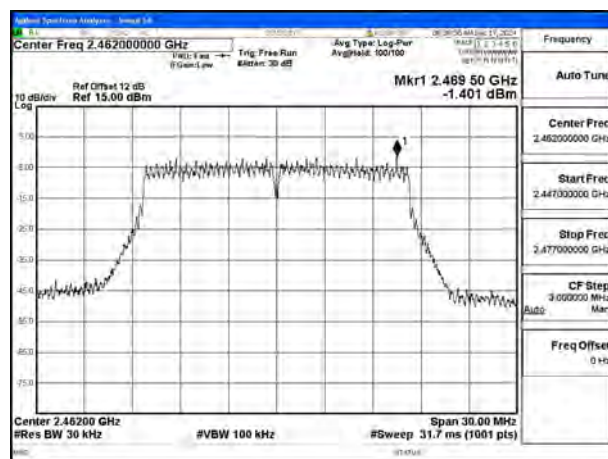
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0



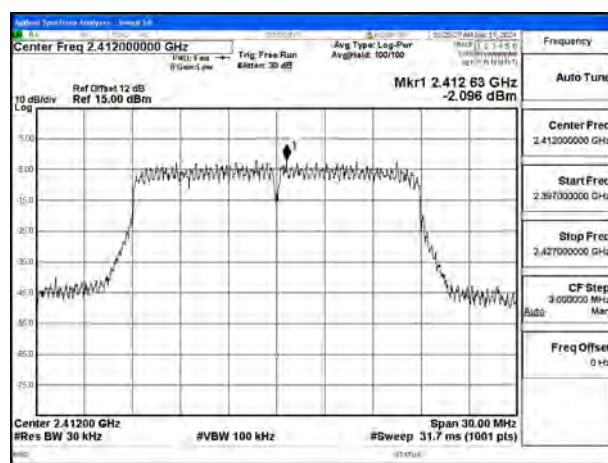
Mode:802.11g Frequency:2462MHz Ant:Chain0





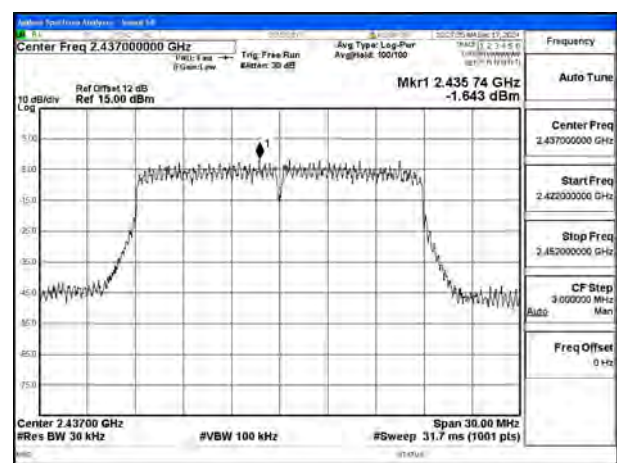
BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

Test Mode: 802.11n HT20



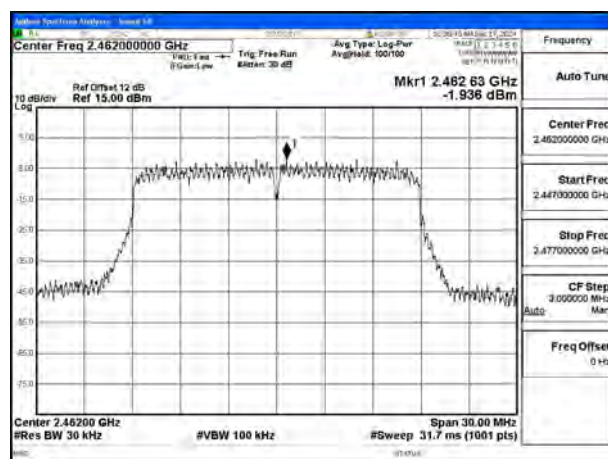
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0

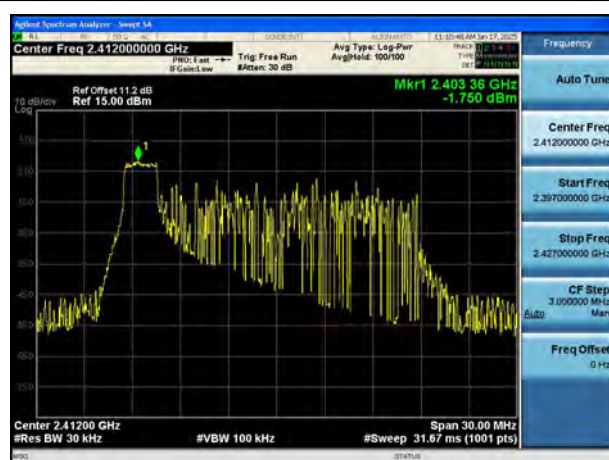


Mode:802.11n HT20 Frequency:2462MHz

Ant:Chain0

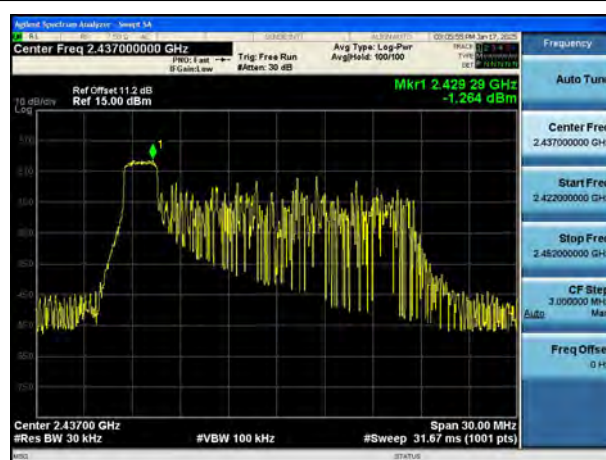


Test Mode: 802.11ax HE20



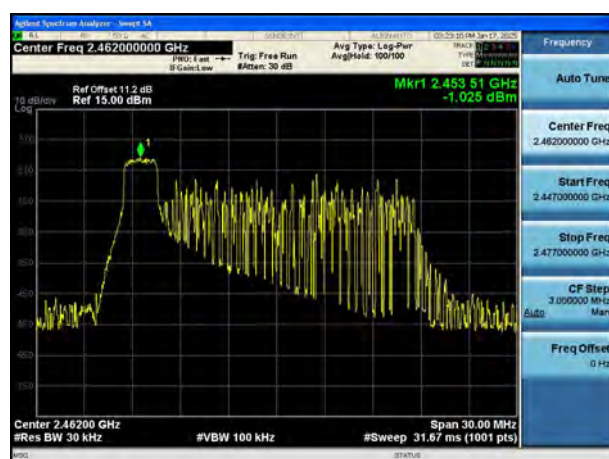
Mode:802.11ax HE20 Tone:26T Frequency:2412MHz

Ant:Chain0



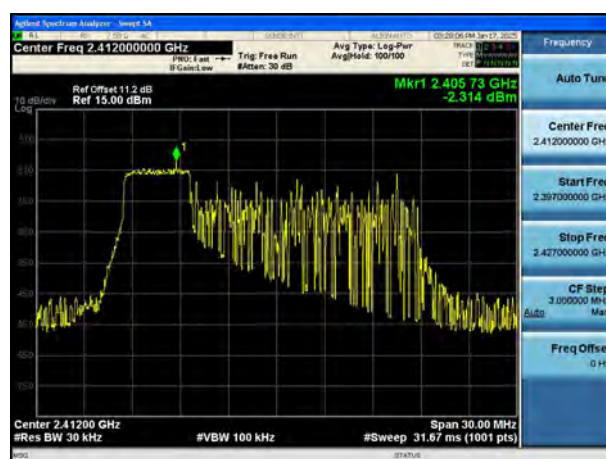
Mode:802.11ax HE20 Tone:26T Frequency:2437MHz

Ant:Chain0



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

Ant:Chain0



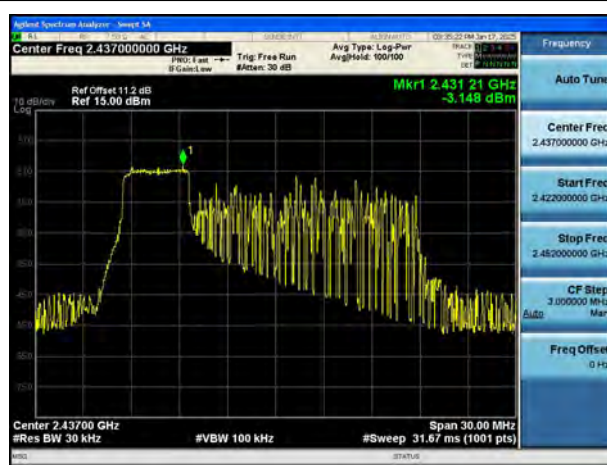
Mode:802.11ax HE20 Tone:52T Frequency:2412MHz

Ant:Chain0

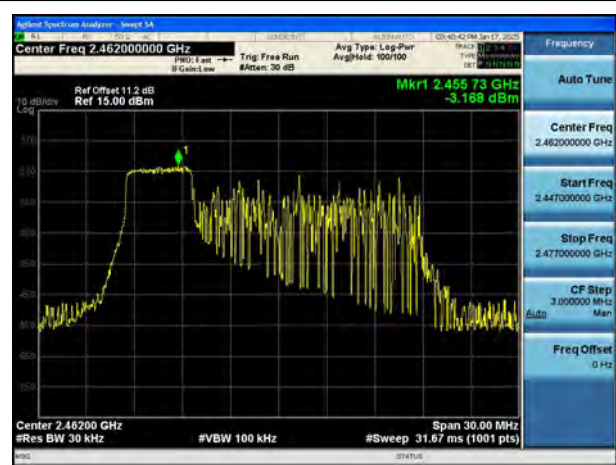


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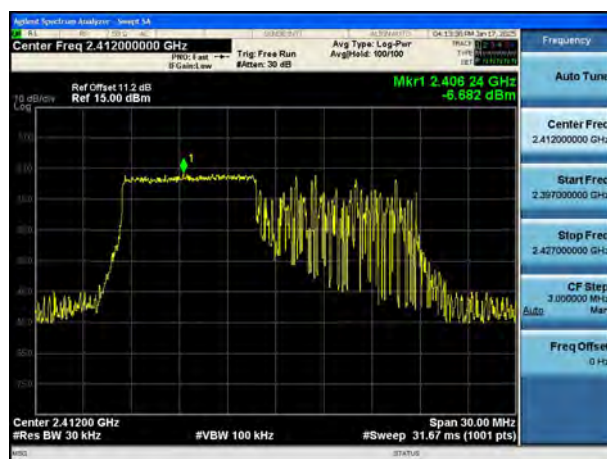
Test Report No.: PSU-NQN2412260210RF01



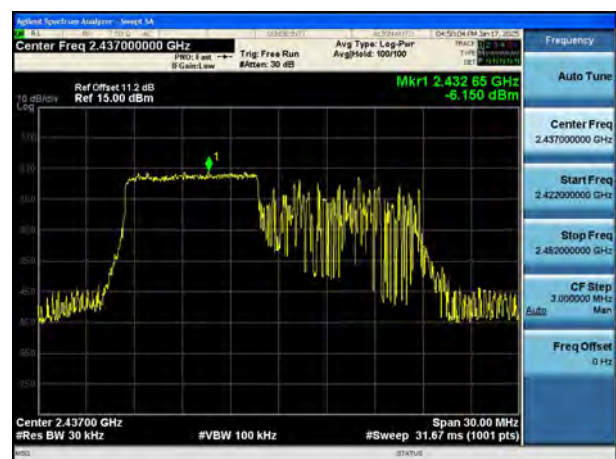
Mode:802.11ax HE20 Tone:52T Frequency:2437MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:52T Frequency:2462MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:106T
Frequency:2412MHz Ant:Chain0

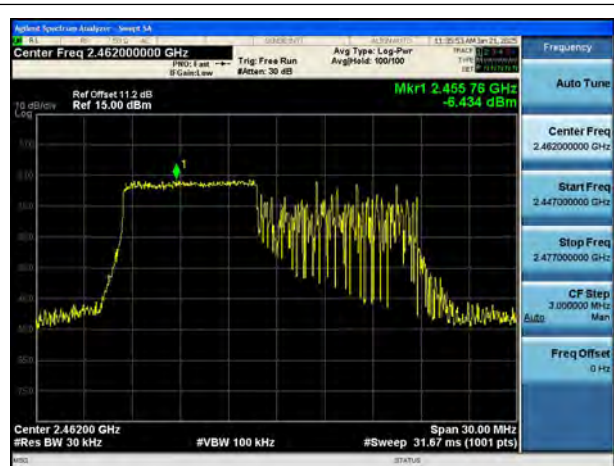


Mode:802.11ax HE20 Tone:106T
Frequency:2437MHz Ant:Chain0



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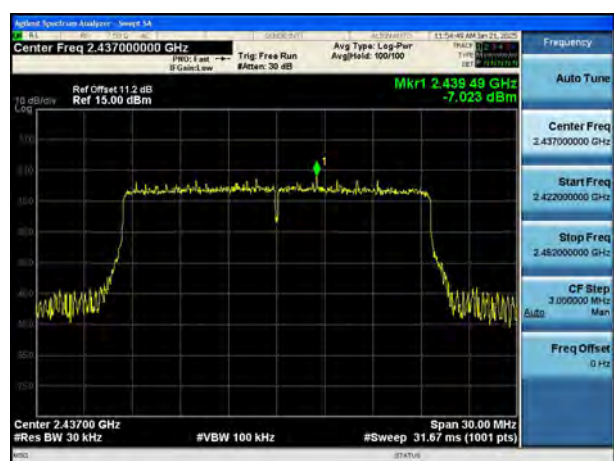
Test Report No.: PSU-NQN2412260210RF01



Mode:802.11ax HE20 Tone:106T
Frequency:2462MHz Ant:Chain0



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



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

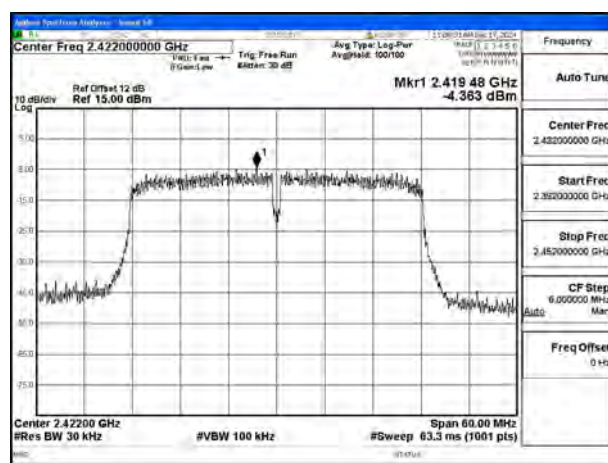


Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Chain0



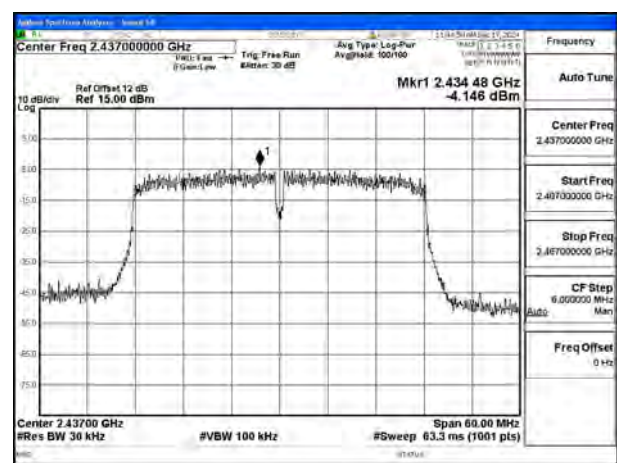
BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

Test Mode: 802.11n HT40



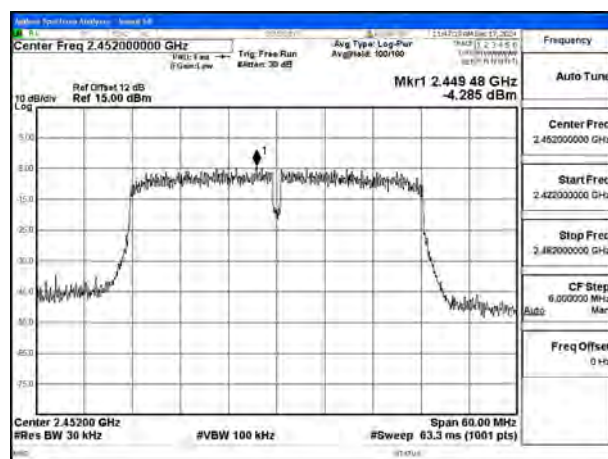
Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2437MHz

Ant:Chain0

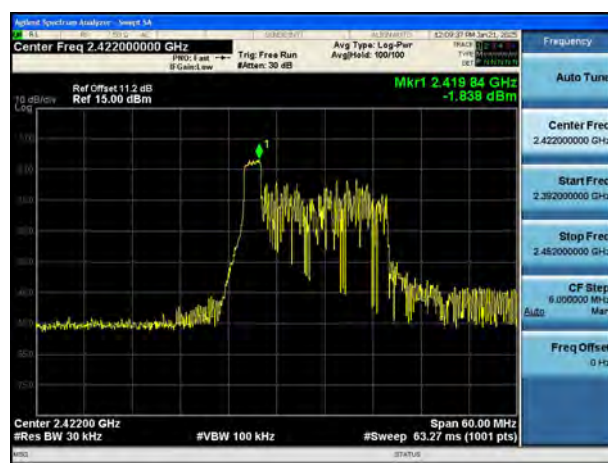


Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0



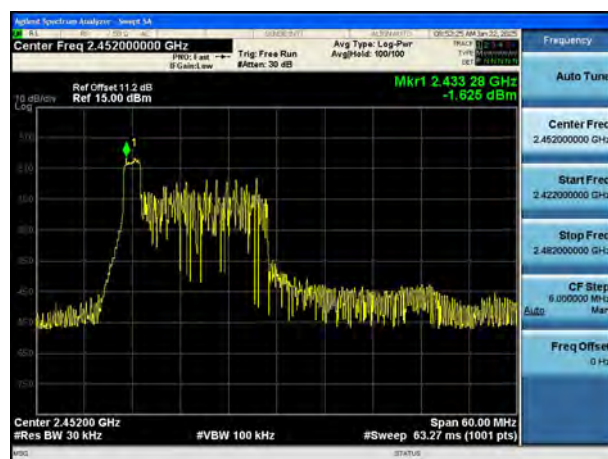
Test Mode: 802.11ax HE40



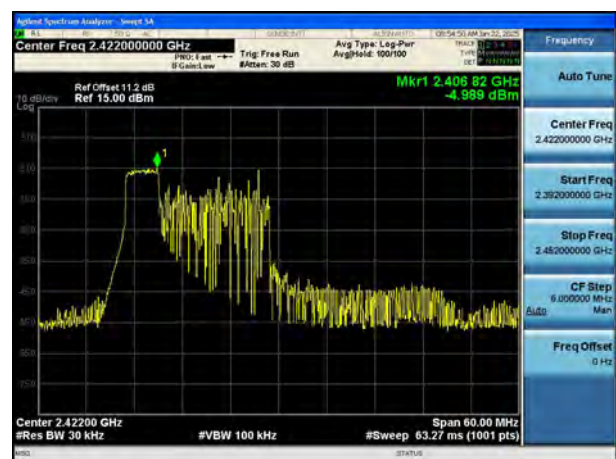
Mode:802.11ax HE40 Tone:26T Frequency:2422MHz
Ant:Chain0



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



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

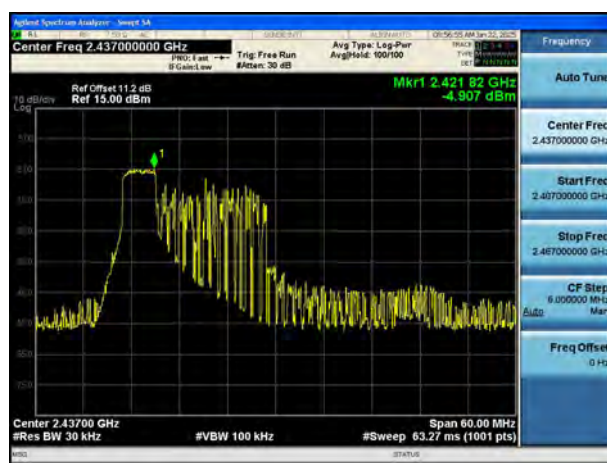


Mode:802.11ax HE40 Tone:52T Frequency:2422MHz
Ant:Chain0

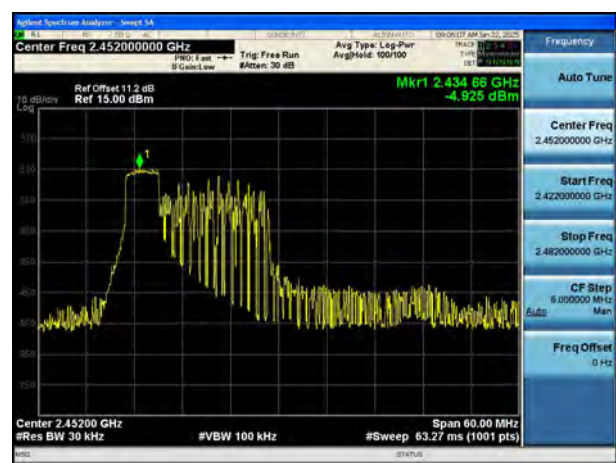


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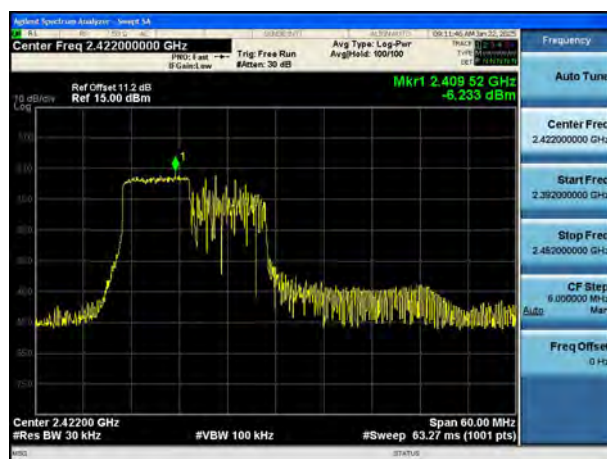
Test Report No.: PSU-NQN2412260210RF01



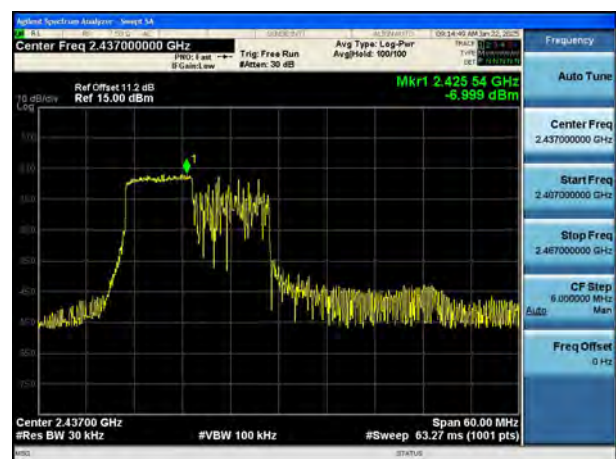
Mode:802.11ax HE40 Tone:52T Frequency:2437MHz
Ant:Chain0



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



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

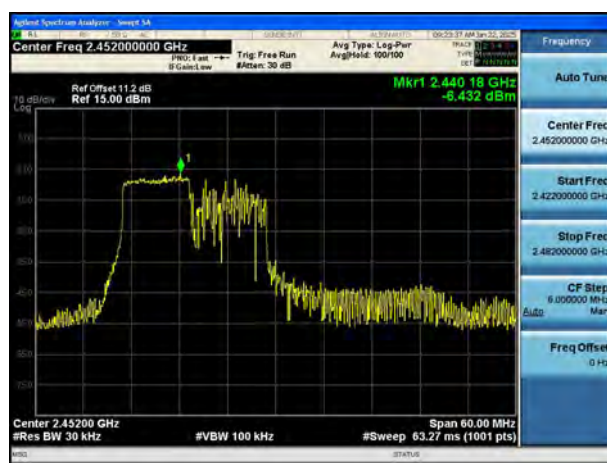


Mode:802.11ax HE40 Tone:106T
Frequency:2437MHz Ant:Chain0

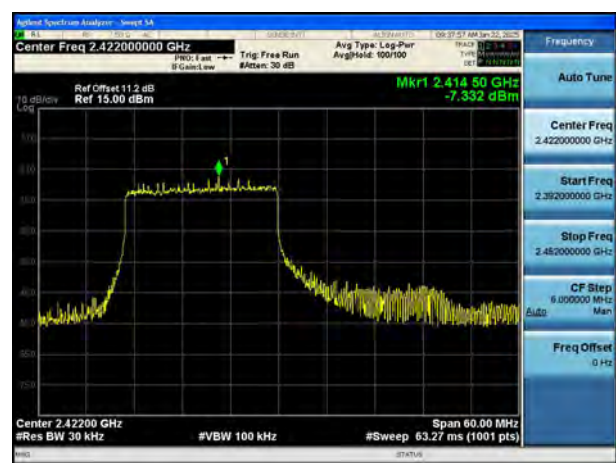


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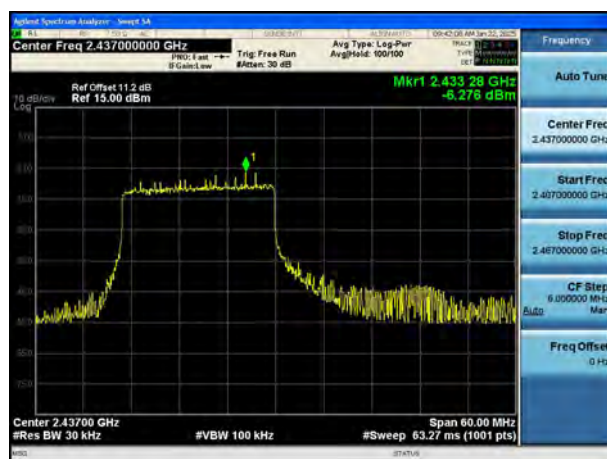
Test Report No.: PSU-NQN2412260210RF01



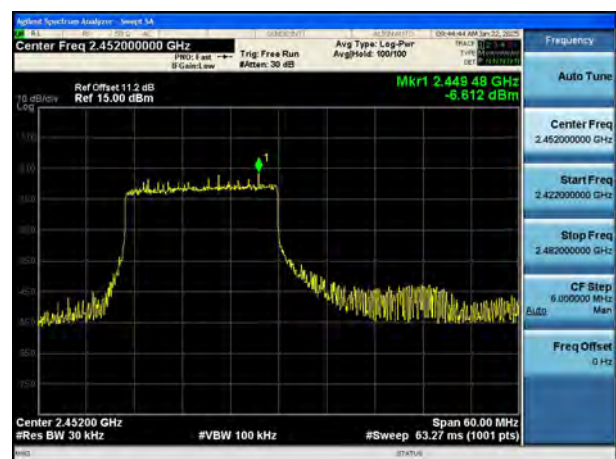
Mode:802.11ax HE40 Tone:106T
Frequency:2452MHz Ant:Chain0



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



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

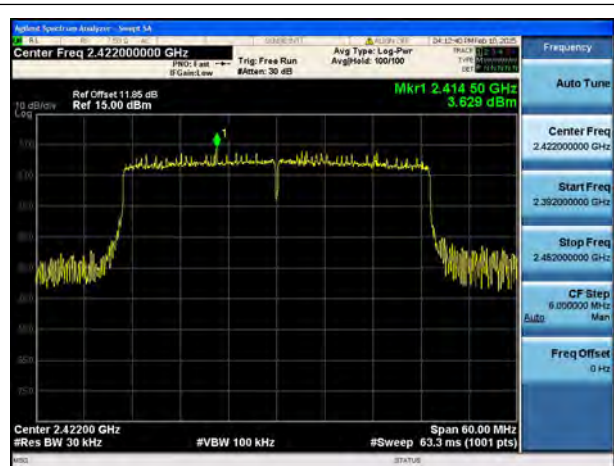


Mode:802.11ax HE40 Tone:242T
Frequency:2452MHz Ant:Chain0

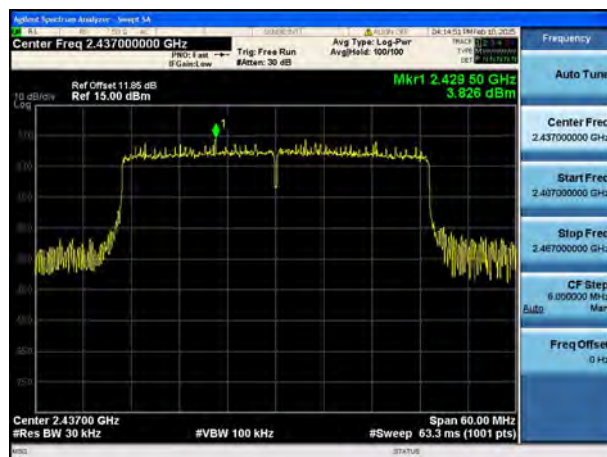


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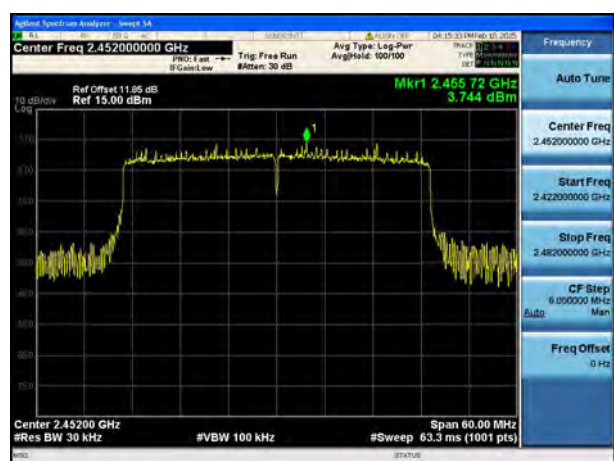
Test Report No.: PSU-NQN2412260210RF01



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



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



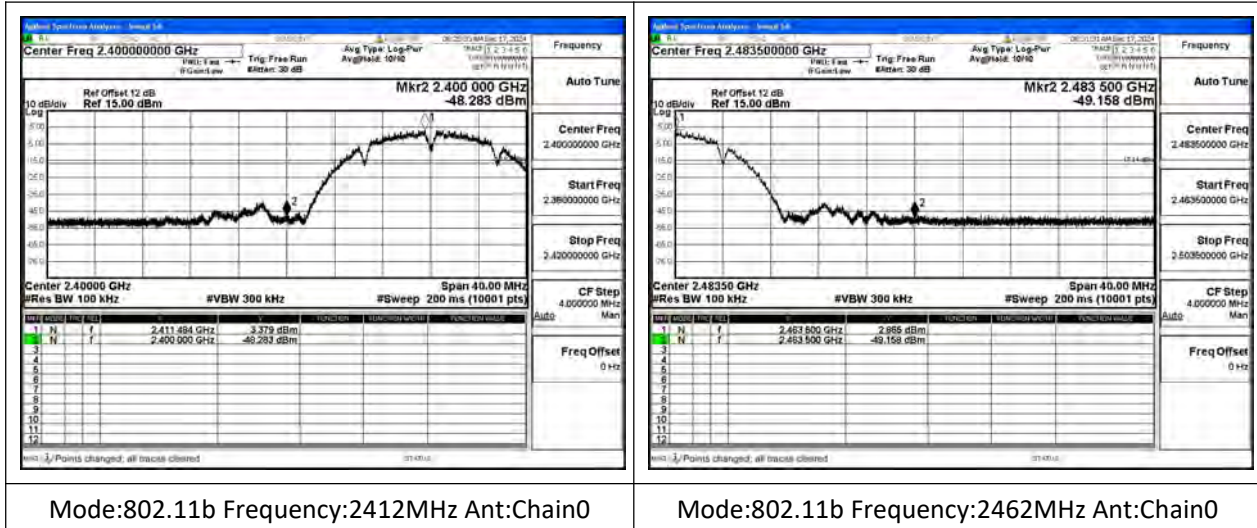
Mode:802.11ax HE40 Tone:484T
Frequency:2452MHz Ant:Chain0



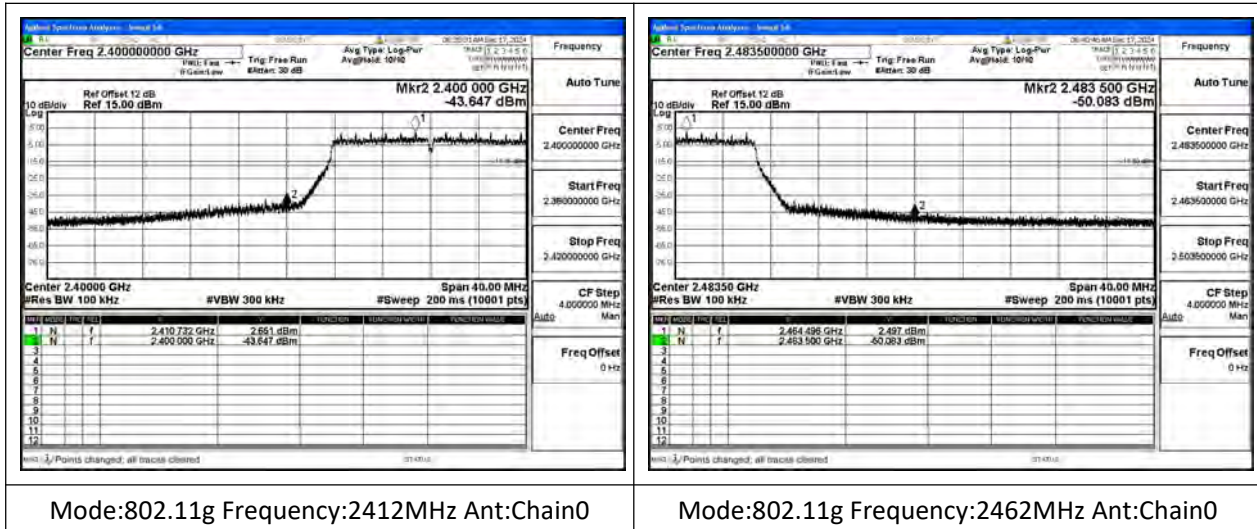
BAND EDGE MEASUREMENTS

TEST GRAPHS

Test Mode: 802.11b



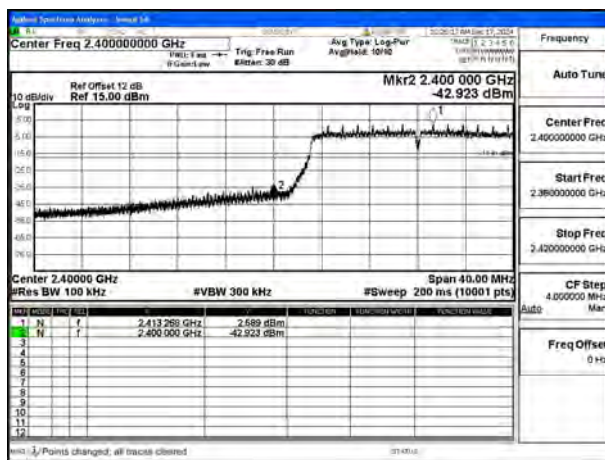
Test Mode: 802.11g





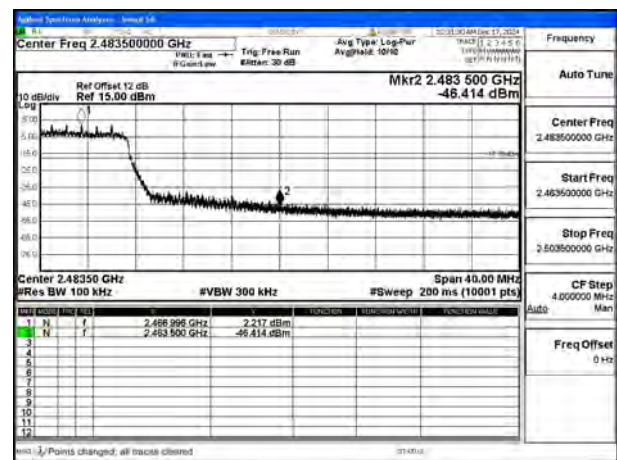
BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:2412MHz

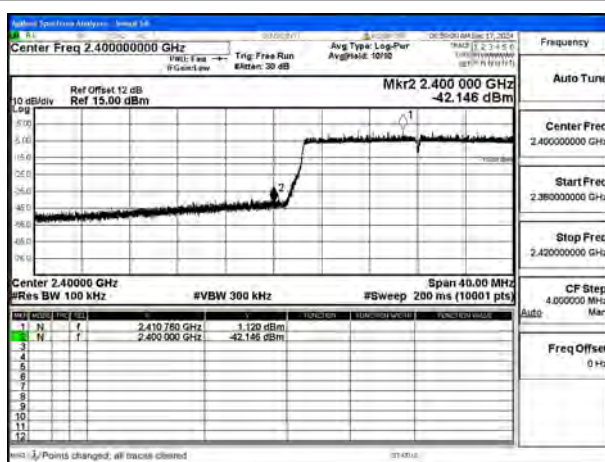
Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz

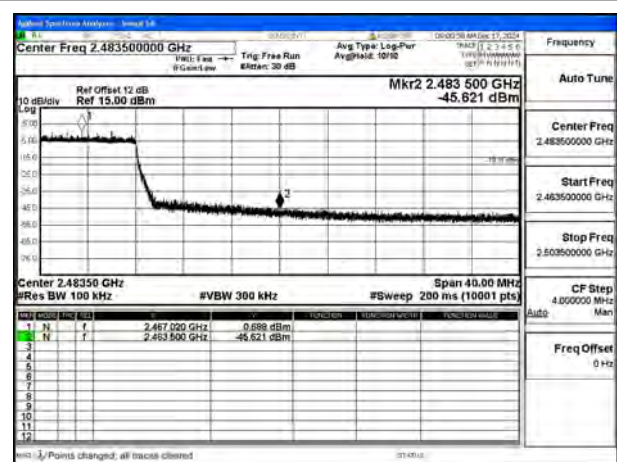
Ant:Chain0

Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:2412MHz

Ant:Chain0



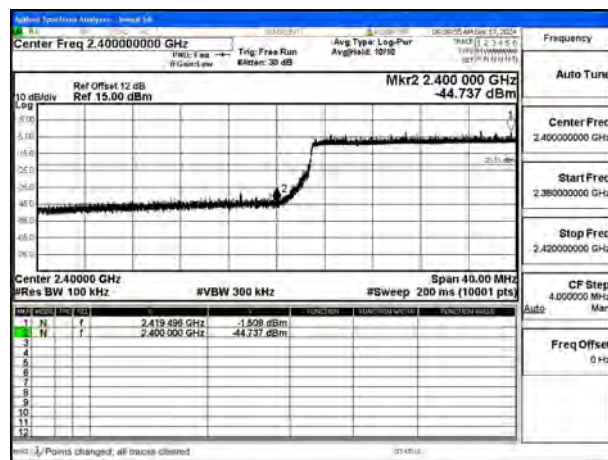
Mode:802.11ax HE20 Frequency:2462MHz

Ant:Chain0



BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:2422MHz

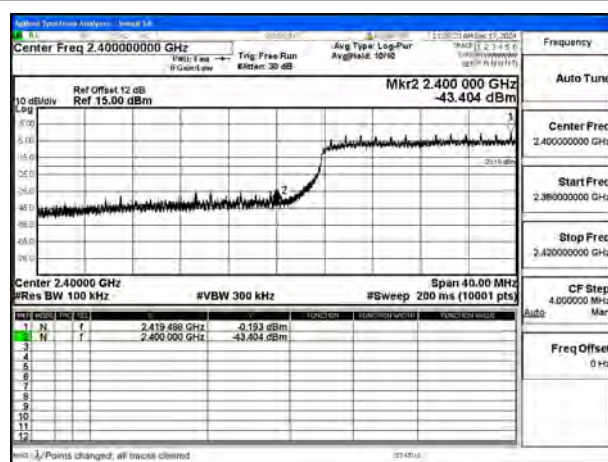
Ant:Chain0



Mode:802.11ax HE40 Frequency:2452MHz

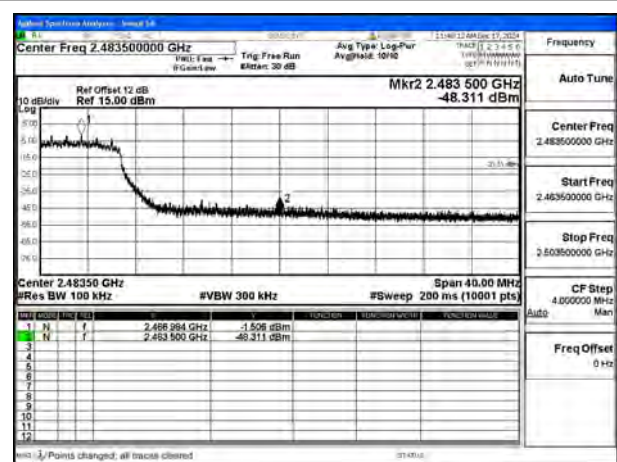
Ant:Chain0

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0

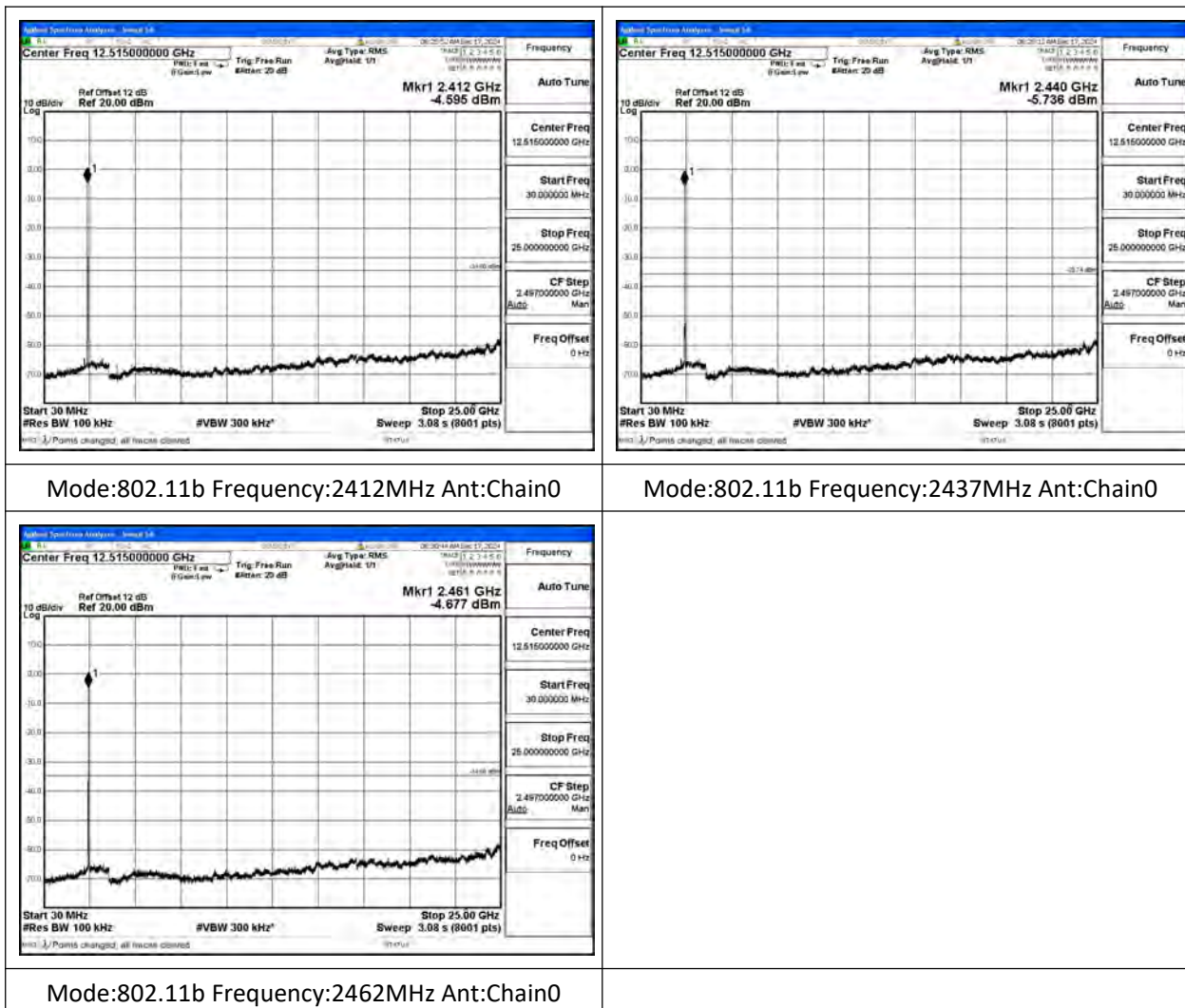


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Test Report No.: PSU-NQN2412260210RF01

CONDUCTED SPURIOUS EMISSION TEST RESULT

Test Mode: 802.11b





BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

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-NQN2412260210RF01

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-NQN2412260210RF01

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-NQN2412260210RF01

Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:2422MHz

Ant:Chain0



Mode:802.11ax HE40 Frequency:2437MHz

Ant:Chain0



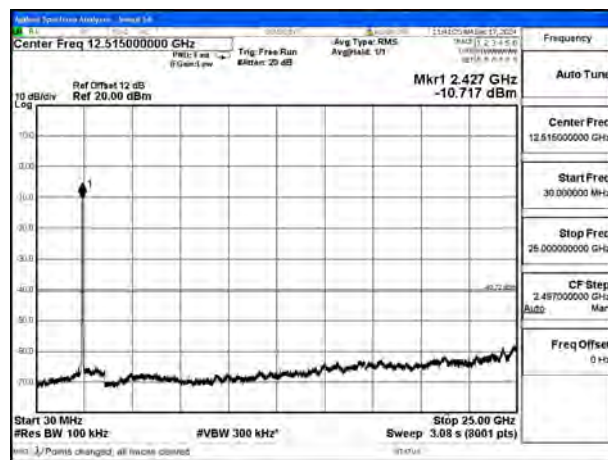
Mode:802.11ax HE40 Frequency:2452MHz

Ant:Chain0



BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

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

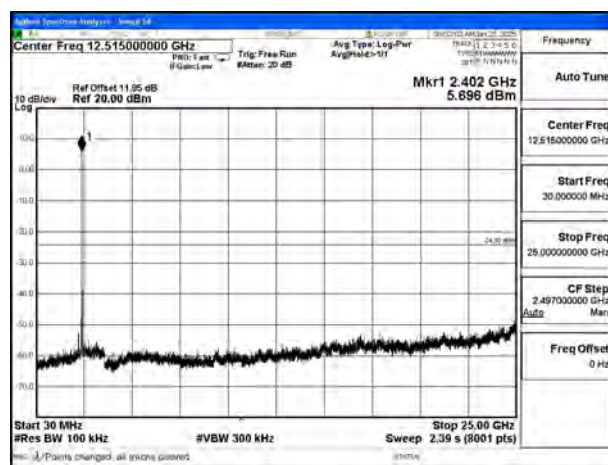
Ant:Chain0



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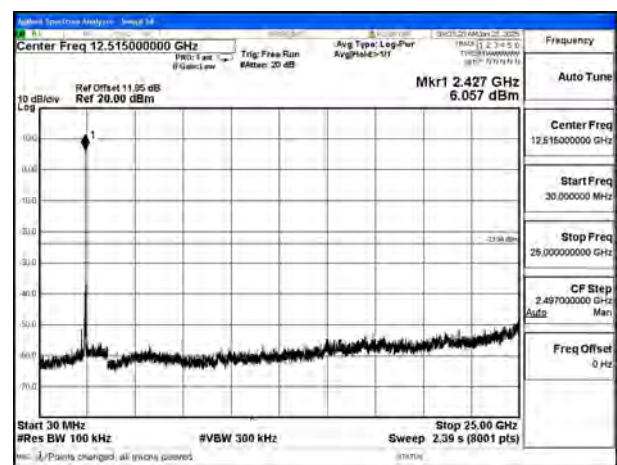
Test Report No.: PSU-NQN2412260210RF01

Test Mode: 802.11ax HE20 RU26



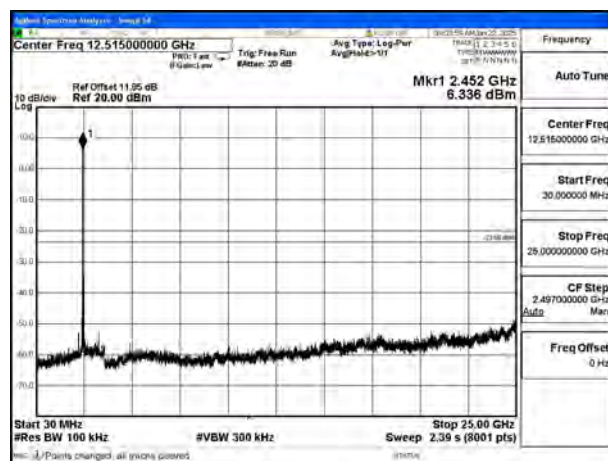
Mode:802.11ax HE20 RU26 Frequency:2412MHz

Ant:Chain0



Mode:802.11ax HE20 RU26 Frequency:2437MHz

Ant:Chain0



Mode:802.11ax HE20 RU26 Frequency:2462MHz

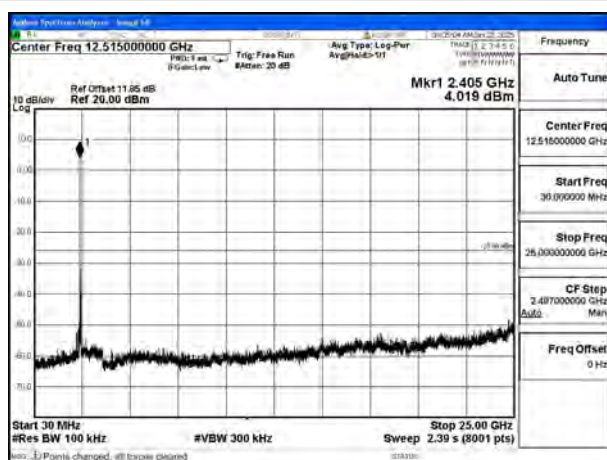
Ant:Chain0



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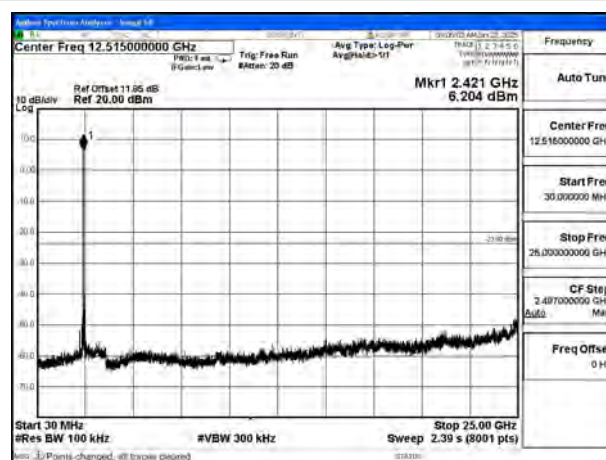
Test Report No.: PSU-NQN2412260210RF01

Test Mode: 802.11ax HE40 RU26



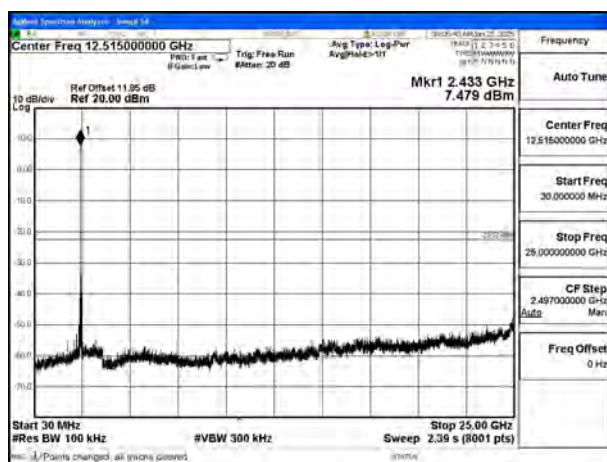
Mode:802.11ax HE40 RU26 Frequency:2422MHz

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	99.83%	0
802.11n HT20	2412	Chain0	Fig.3	99.85%	0
802.11ax HE20	2412	Chain0	Fig.4	99.97%	0
802.11n HT40	2422	Chain0	Fig.5	99.64%	0
802.11ax HE40	2422	Chain0	Fig.6	99.96%	0

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



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Test Report No.: PSU-NQN2412260210RF01

TEST GRAPHS



Fig.1

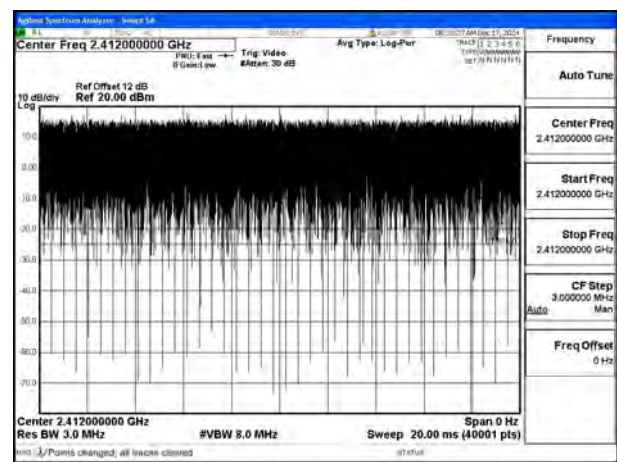


Fig.2

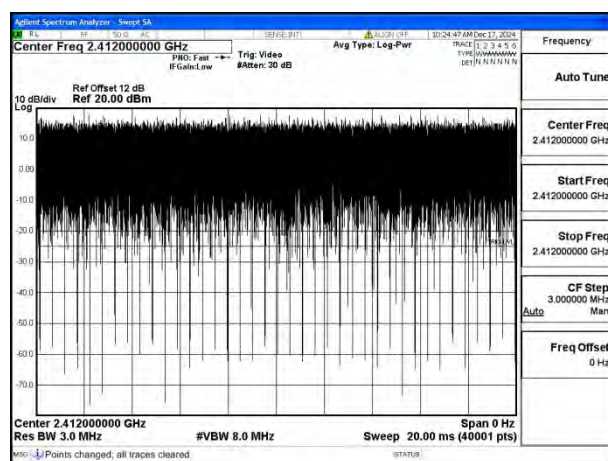


Fig.3

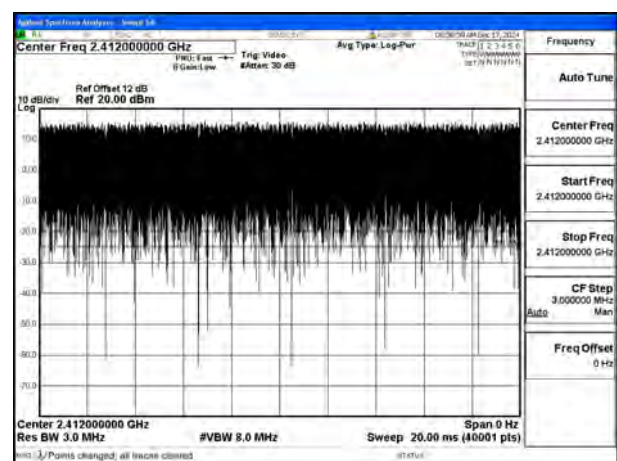


Fig.4

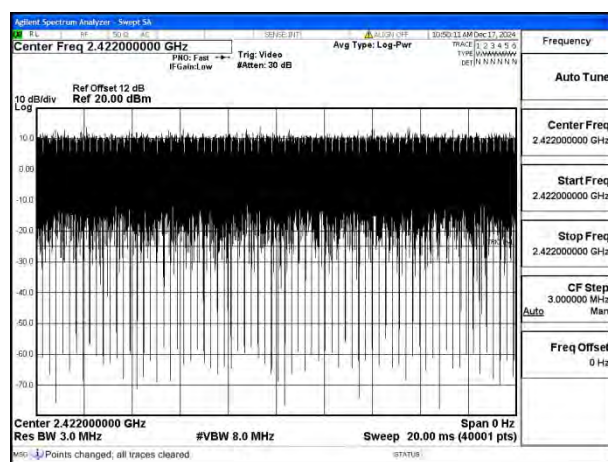


Fig.5

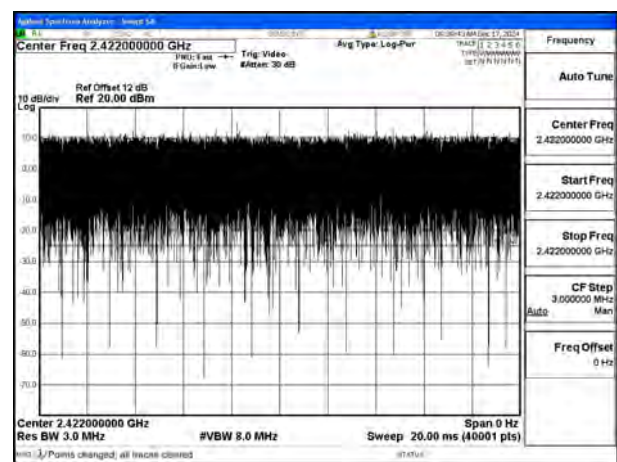


Fig.6



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7 APPENDIX 2 BLE

DTS BANDWIDTH

TEST RESULT

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 1Mbps)	2402	691.3
GFSK (LE 1Mbps)	2440	686.4
GFSK (LE 1Mbps)	2480	682.7

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
GFSK (LE 2Mbps)	2402	1161.0
GFSK (LE 2Mbps)	2440	1159.9
GFSK (LE 2Mbps)	2480	1156.2

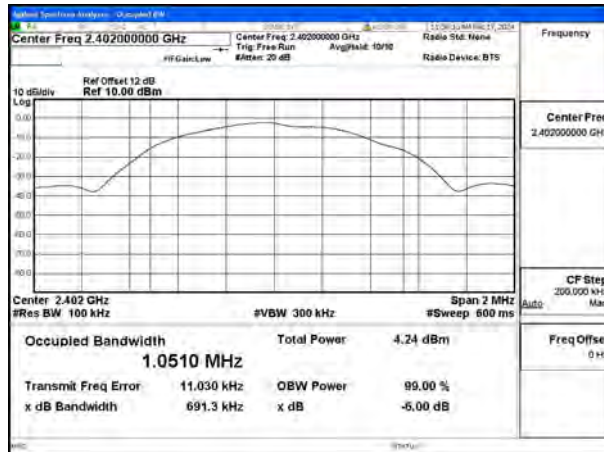
Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 125K	2402	634.0
Coded 125K	2440	638.3
Coded 125K	2480	640.5

Test Mode	Carrier frequency (MHz)	6dB Bandwidth(KHz)
Coded 500K	2402	696.3
Coded 500K	2440	696.7
Coded 500K	2480	716.3

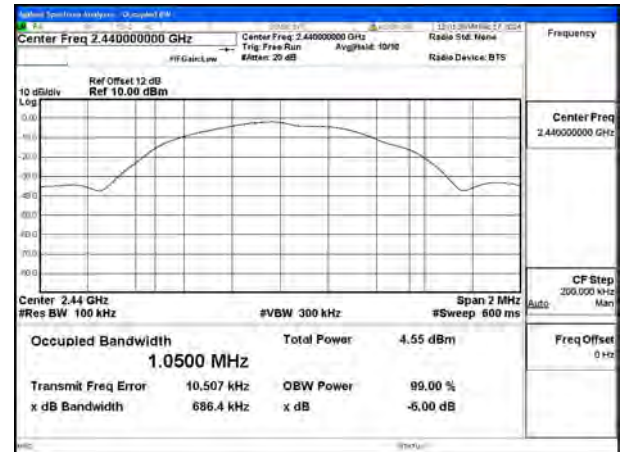


TEST GRAPHS

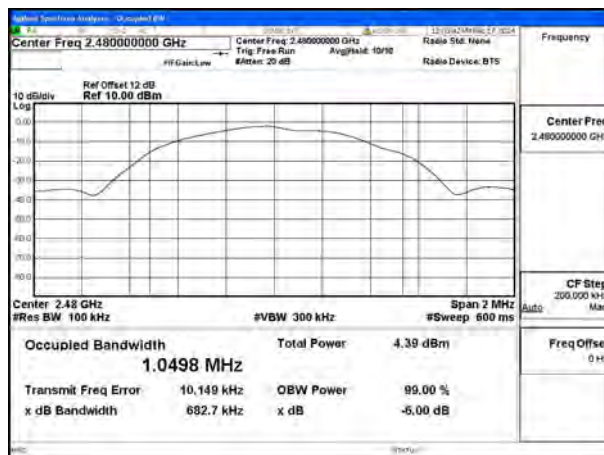
Test Mode: GFSK (LE 1Mbps)



Test Mode:GFSK (LE 1Mbps) 2402MHz



Test Mode:GFSK (LE 1Mbps) 2440MHz

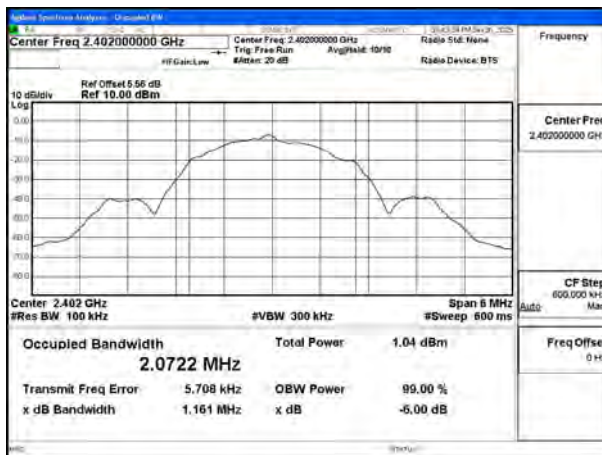


Test Mode:GFSK (LE 1Mbps) 2480MHz

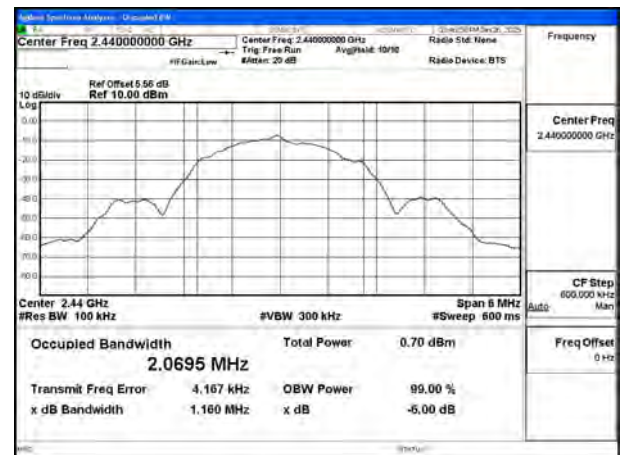


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

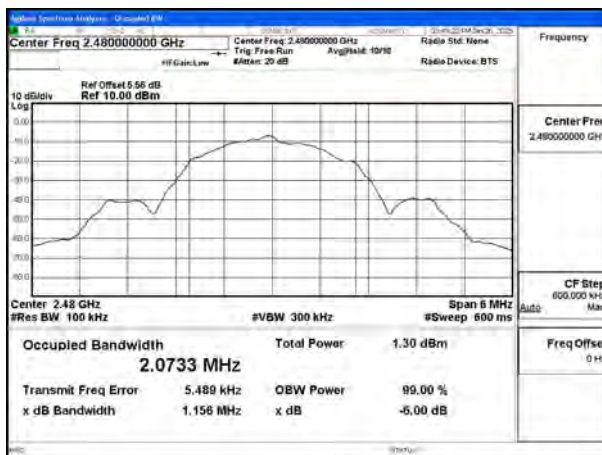
Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz



Test Mode:GFSK (LE 2Mbps) 2440MHz



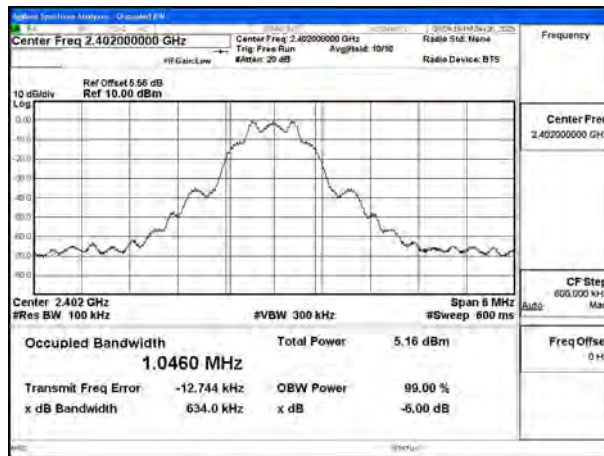
Test Mode:GFSK (LE 2Mbps) 2480MHz



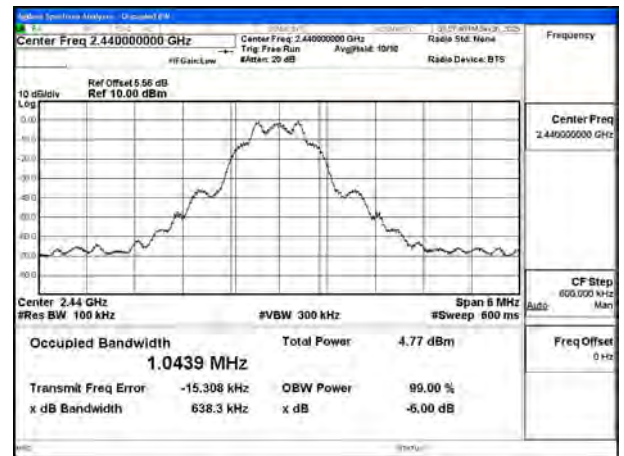
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Test Report No.: PSU-NQN2412260210RF01

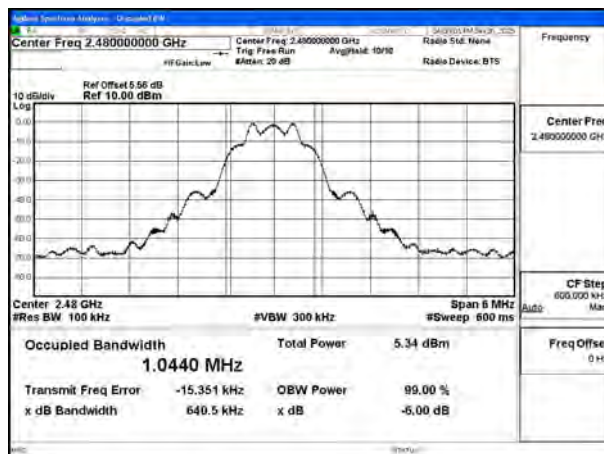
Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz



Test Mode:Coded 125K 2440MHz



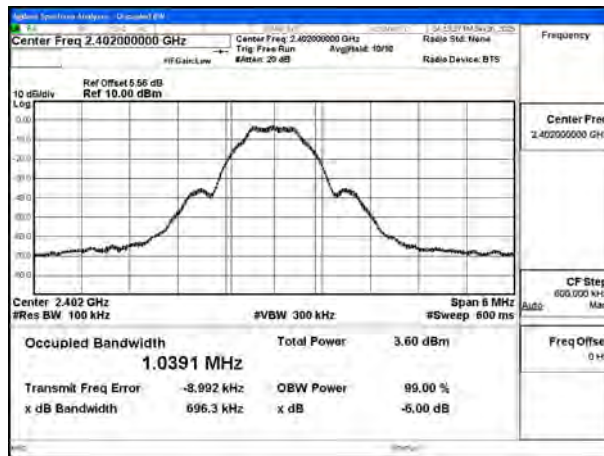
Test Mode:Coded 125K 2480MHz



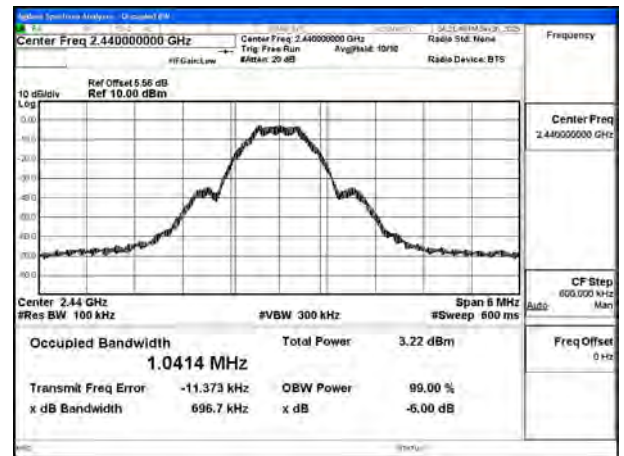
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Test Report No.: PSU-NQN2412260210RF01

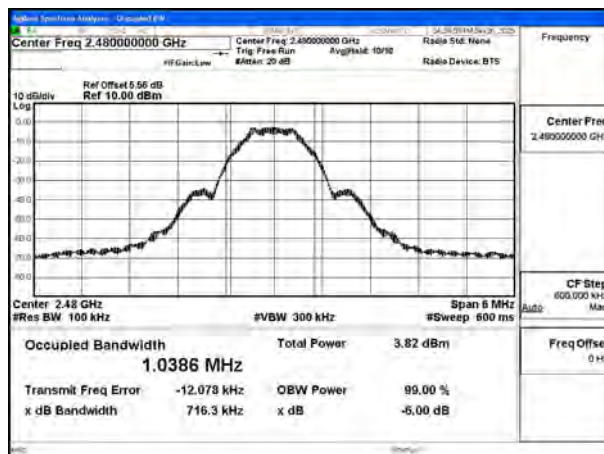
Test Mode: Coded 500K



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	1026.0
GFSK (LE 1Mbps)	2440	1025.2
GFSK (LE 1Mbps)	2480	1025.0

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
GFSK (LE 2Mbps)	2402	2054.6
GFSK (LE 2Mbps)	2440	2051.6
GFSK (LE 2Mbps)	2480	2055.3

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
Coded 125K	2402	1022.6
Coded 125K	2440	1022.0
Coded 125K	2480	1021.9

Test Mode	Carrier frequency (MHz)	99% Bandwidth(kHz)
Coded 500K	2402	1018.8
Coded 500K	2440	1018.3
Coded 500K	2480	1016.2

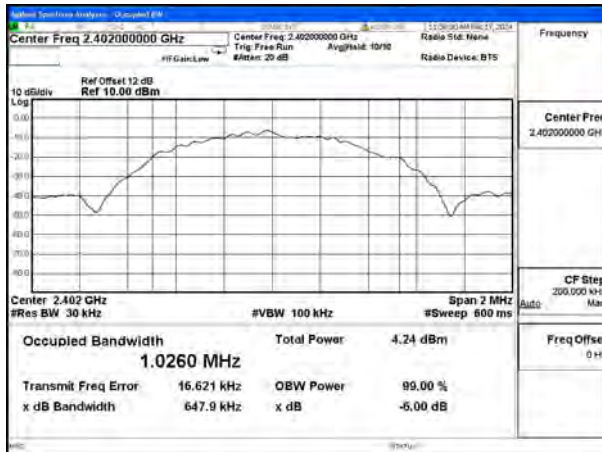


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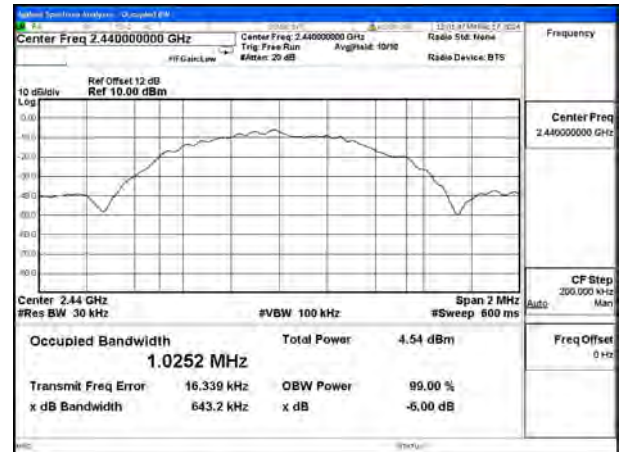
Test Report No.: PSU-NQN2412260210RF01

TEST GRAPHS

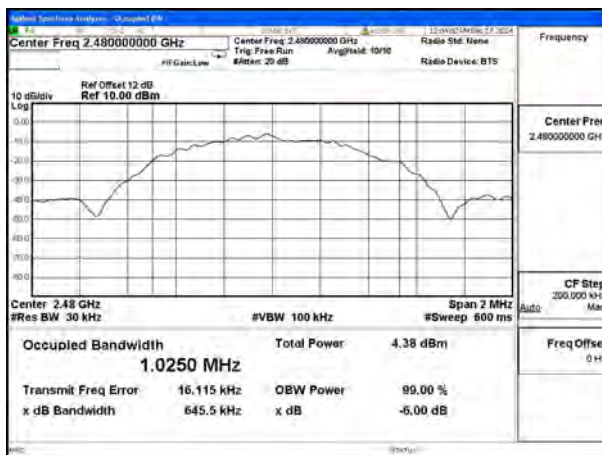
Test Mode: GFSK (LE 1Mbps)



Test Mode:GFSK (LE 1Mbps) 2402MHz



Test Mode:GFSK (LE 1Mbps) 2440MHz

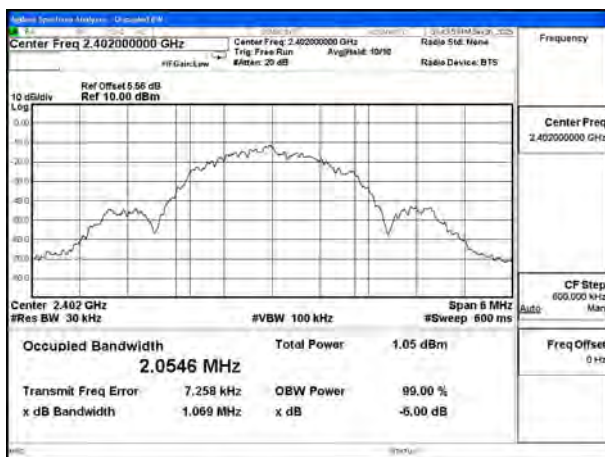


Test Mode:GFSK (LE 1Mbps) 2480MHz

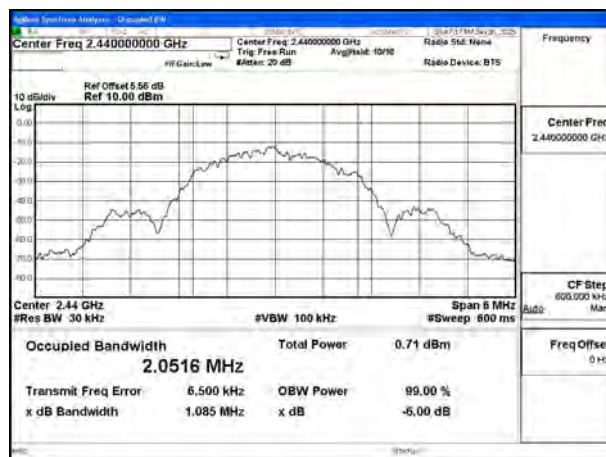


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

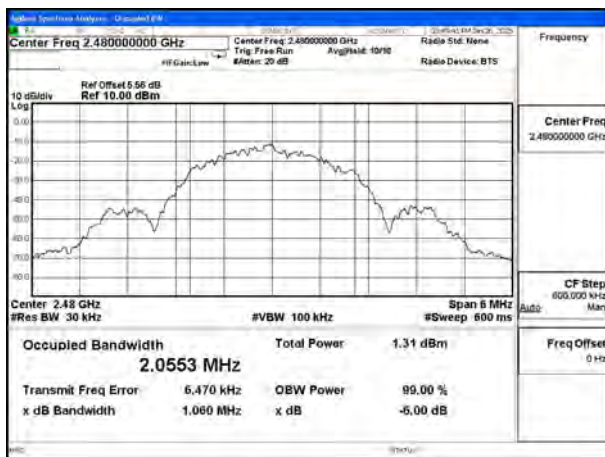
Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz



Test Mode:GFSK (LE 2Mbps) 2440MHz



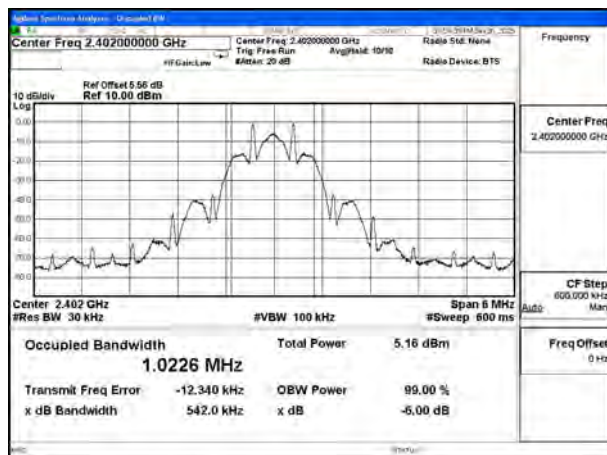
Test Mode:GFSK (LE 2Mbps) 2480MHz



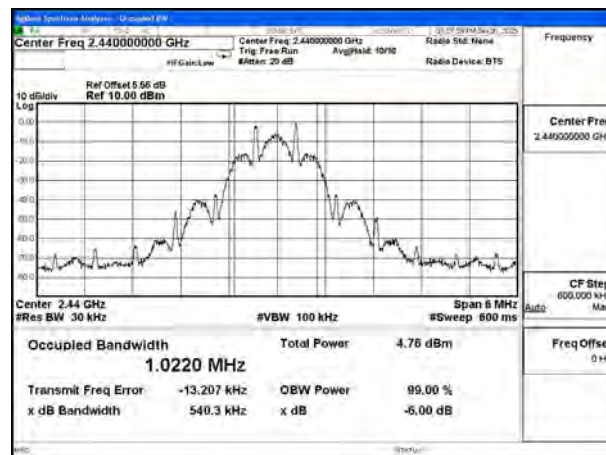
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Test Report No.: PSU-NQN2412260210RF01

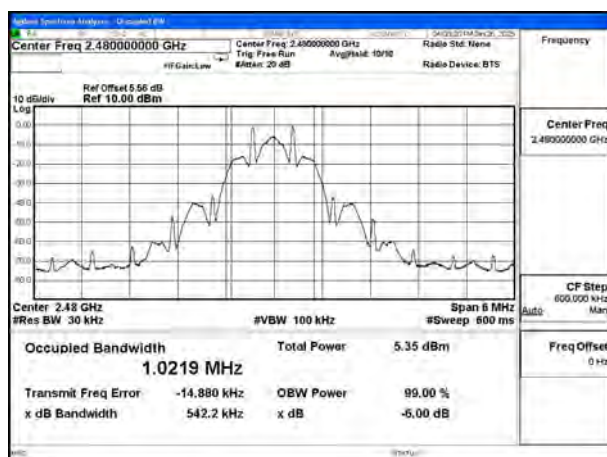
Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz



Test Mode:Coded 125K 2440MHz



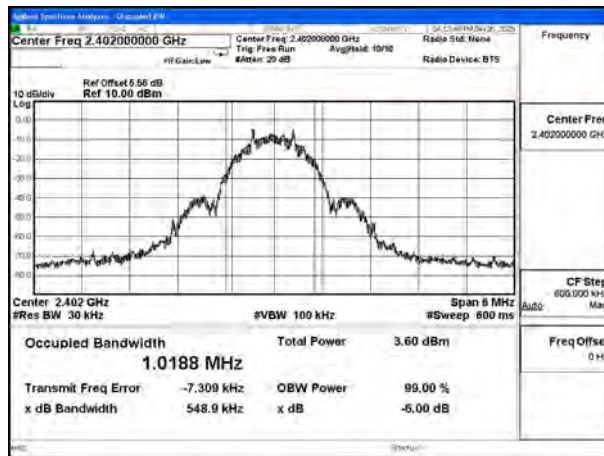
Test Mode:Coded 125K 2480MHz



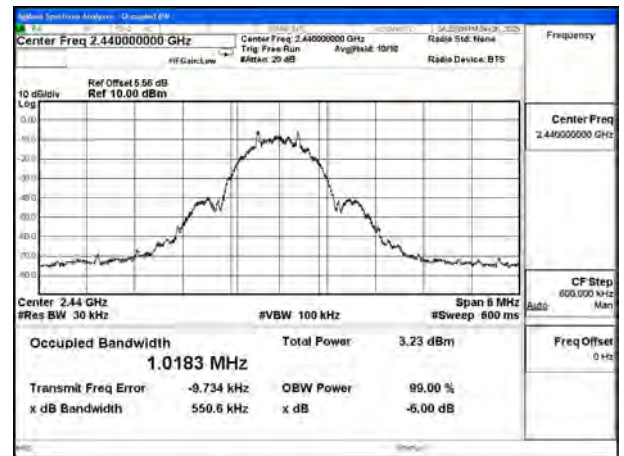
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Test Report No.: PSU-NQN2412260210RF01

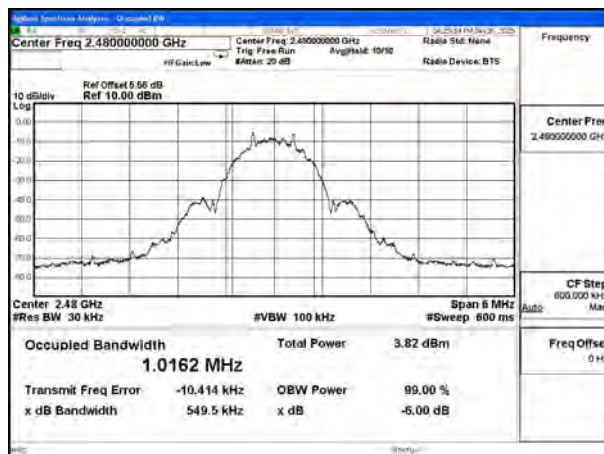
Test Mode: Coded 500K



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)	6.31	6.87	6.70
GFSK (LE 2Mbps)	6.19	5.86	6.45
Coded 125K	6.19	5.81	6.40
Coded 500K	6.24	5.88	6.49

Modulation type	Conducted Average Power(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	5.30	5.99	5.95
GFSK (LE 2Mbps)	5.19	4.74	5.30
Coded 125K	6.32	6.30	6.98
Coded 500K	8.05	5.47	4.69

EIRP

Modulation type	Peak EIRP(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	6.71	7.27	7.10
GFSK (LE 2Mbps)	6.59	6.26	6.85
Coded 125K	6.59	6.21	6.80
Coded 500K	6.64	6.28	6.89

Modulation type	Average EIRP(dBm)		
	2402MHz	2440MHz	2480MHz
GFSK (LE 1Mbps)	5.70	6.39	6.35
GFSK (LE 2Mbps)	5.59	5.14	5.70
Coded 125K	6.72	6.70	7.38
Coded 500K	8.45	5.87	5.09

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	-8.5
GFSK (LE 1Mbps)	2440	19	-8.1
GFSK (LE 1Mbps)	2480	39	-8.3

Test Mode	Carrier frequency (MHz)	Channel No.	Power Density (dBm/3kHz)
GFSK (LE 2Mbps)	2402	0	-12.7
GFSK (LE 2Mbps)	2440	19	-13.1
GFSK (LE 2Mbps)	2480	39	-12.5

Test Mode	Carrier frequency (MHz)	Channel No.	Power Density (dBm/3kHz)
Coded 125K	2402	0	-0.1
Coded 125K	2440	19	-0.5
Coded 125K	2480	39	0.1

Test Mode	Carrier frequency (MHz)	Channel No.	Power Density (dBm/3kHz)
Coded 500K	2402	0	-0.3
Coded 500K	2440	19	-0.7
Coded 500K	2480	39	0.0

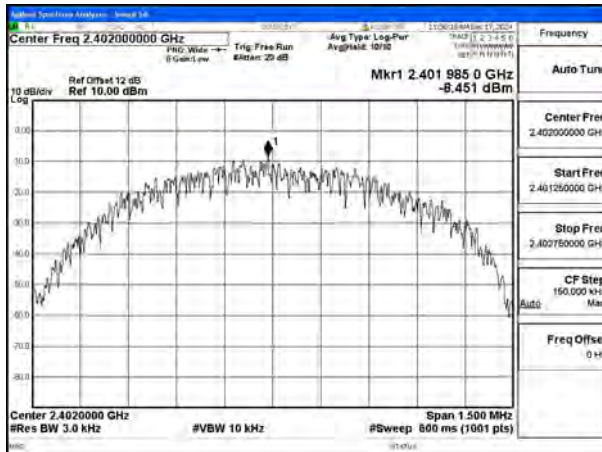


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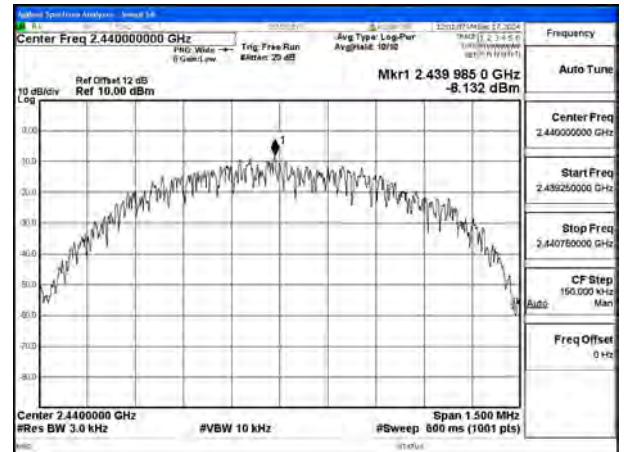
Test Report No.: PSU-NQN2412260210RF01

TEST GRAPHS

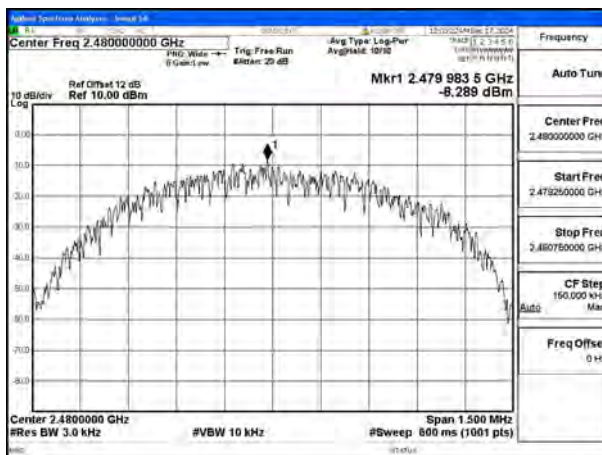
Test Mode: GFSK (LE 1Mbps)



Test Mode:GFSK (LE 1Mbps) 2402MHz



Test Mode:GFSK (LE 1Mbps) 2440MHz

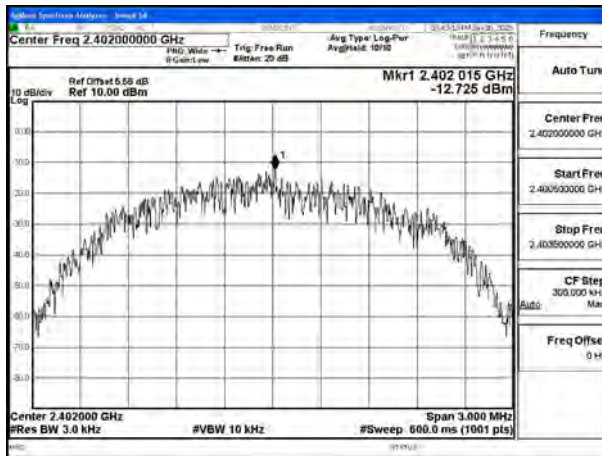


Test Mode:GFSK (LE 1Mbps) 2480MHz

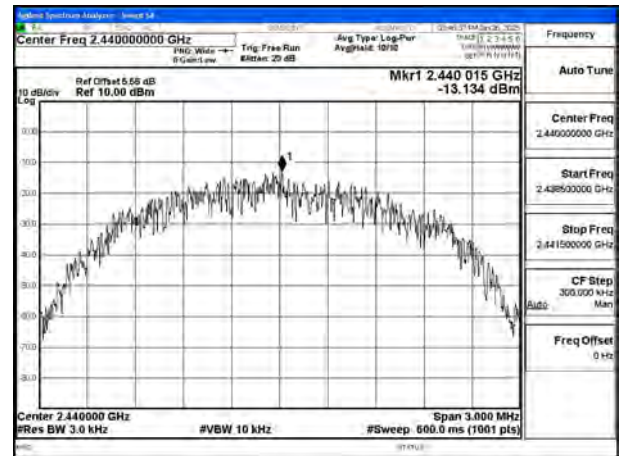


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

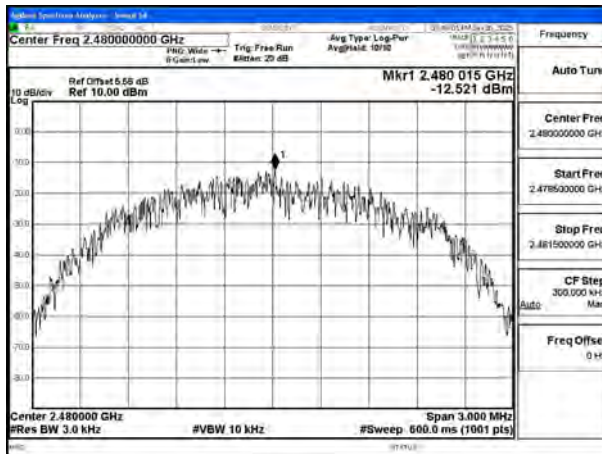
Test Mode: GFSK (LE 2Mbps)



Test Mode:GFSK (LE 2Mbps) 2402MHz



Test Mode:GFSK (LE 2Mbps) 2440MHz



Test Mode:GFSK (LE 2Mbps) 2480MHz



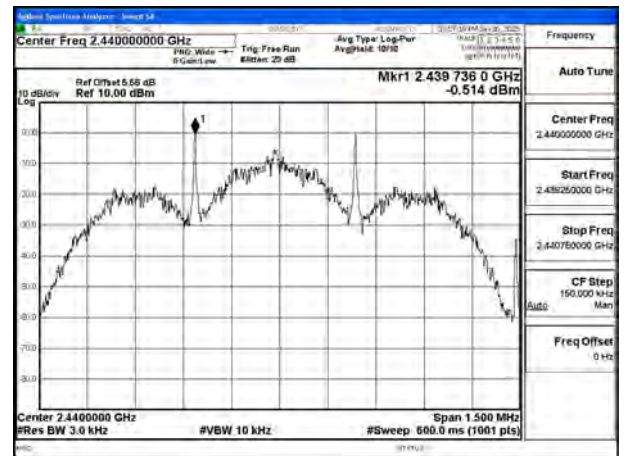
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Test Report No.: PSU-NQN2412260210RF01

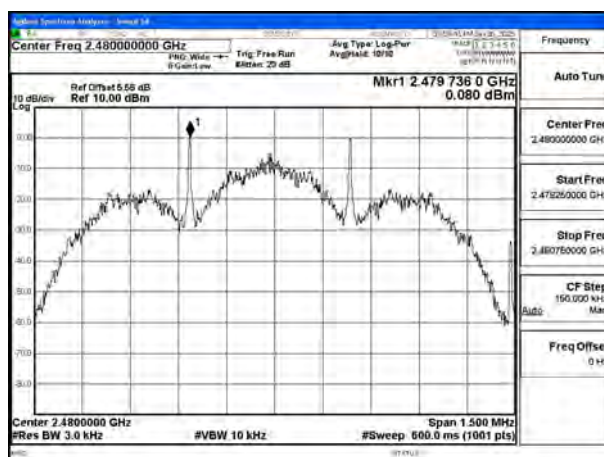
Test Mode: Coded 125K



Test Mode:Coded 125K 2402MHz



Test Mode:Coded 125K 2440MHz



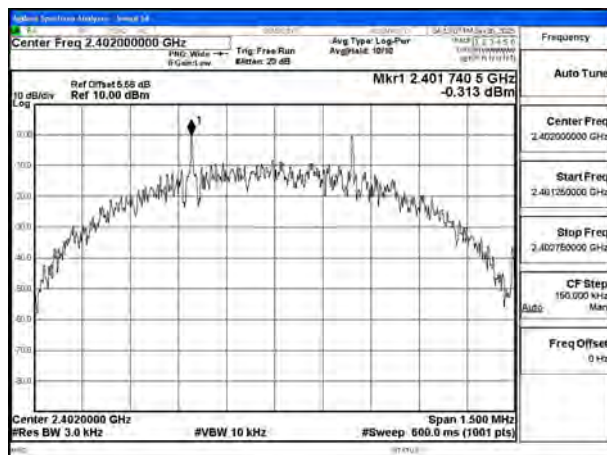
Test Mode:Coded 125K 2480MHz



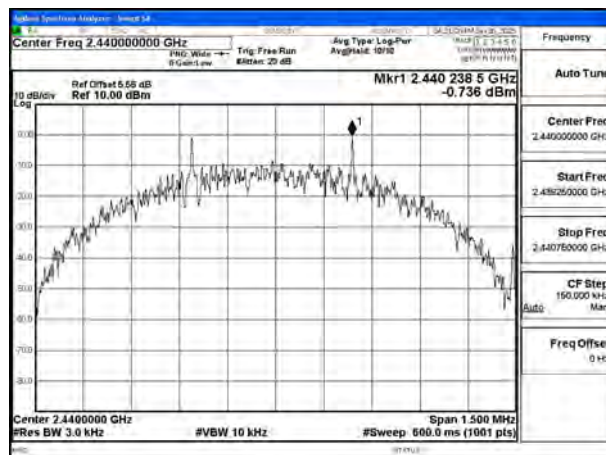
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Test Report No.: PSU-NQN2412260210RF01

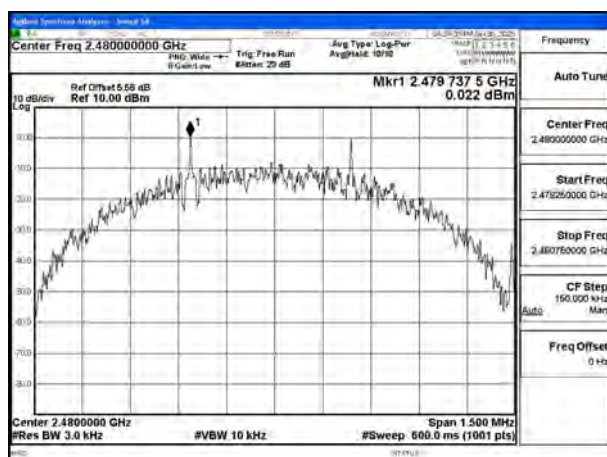
Test Mode: Coded 500K



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)



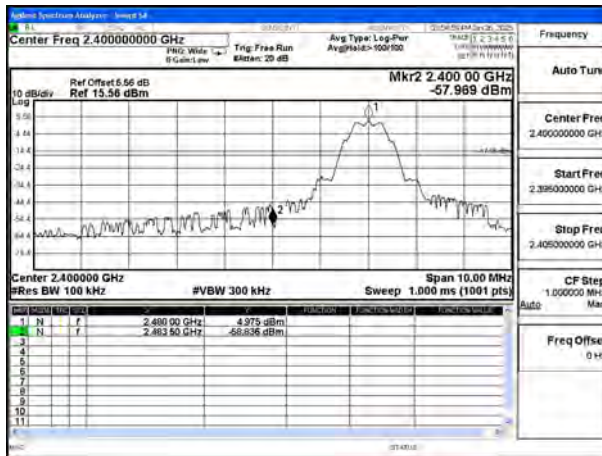
Test Mode: GFSK (LE 2Mbps)



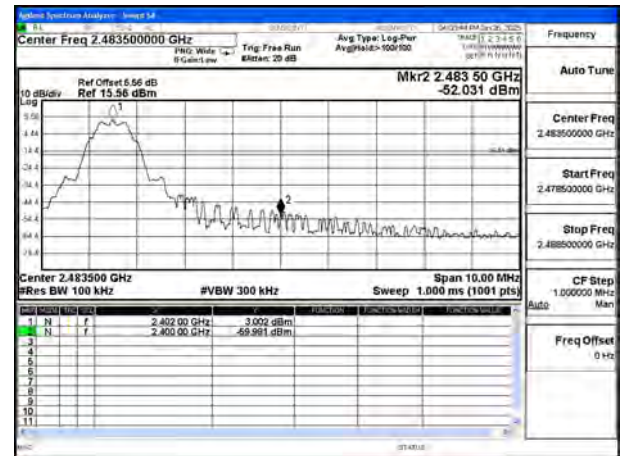


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

Test Mode: Coded 125K

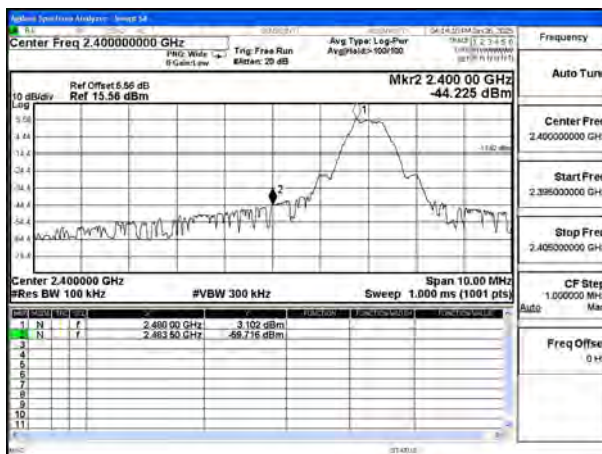


CH0



CH39

Test Mode: Coded 500K



CH0

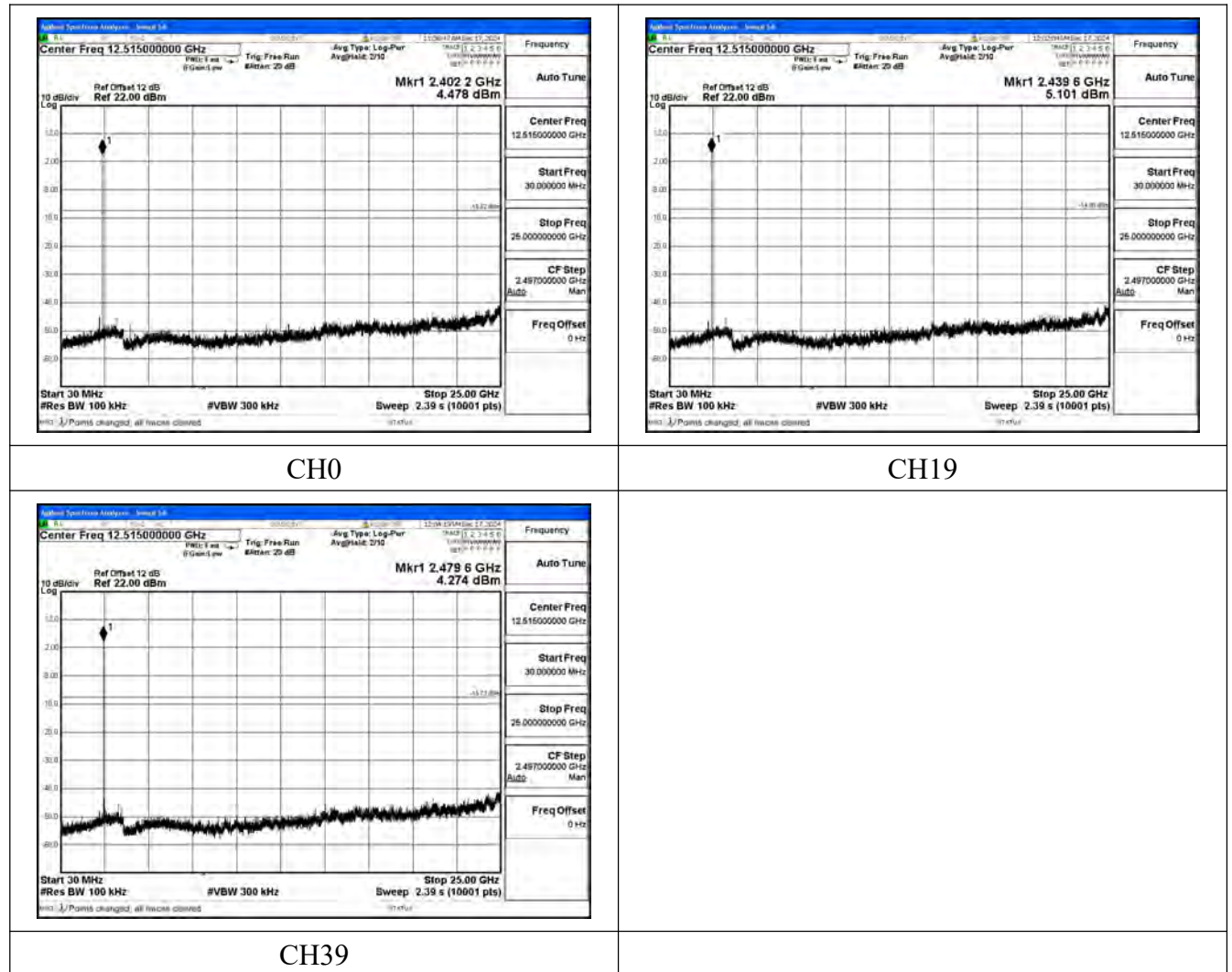


CH39



CONDUCTED SPURIOUS EMISSION TEST GRAPHS

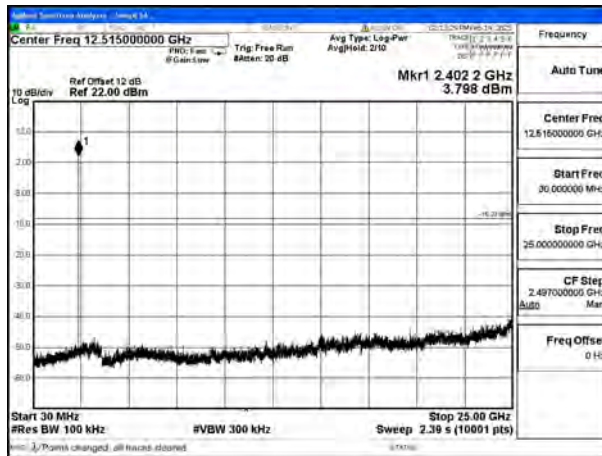
Test Mode: GFSK (LE 1Mbps)



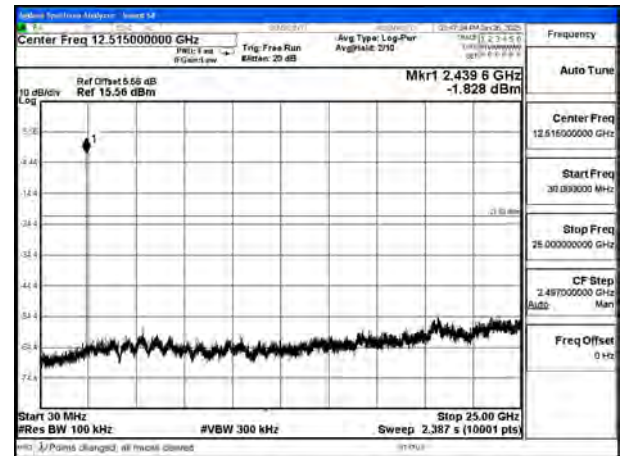


BUREAU VERITAS Test Report No.: PSU-NQN2412260210RF01

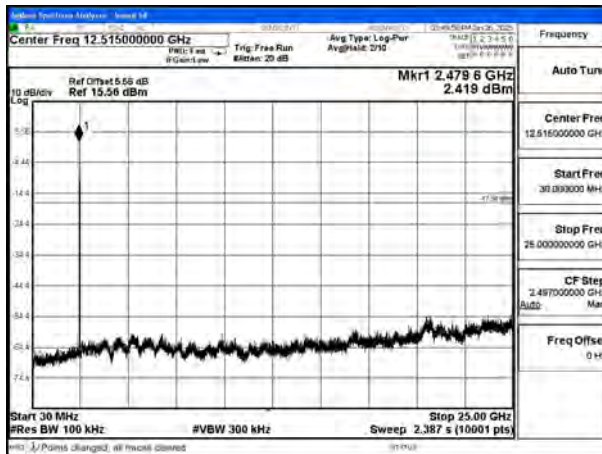
Test Mode: GFSK (LE 2Mbps)



CH0



CH19



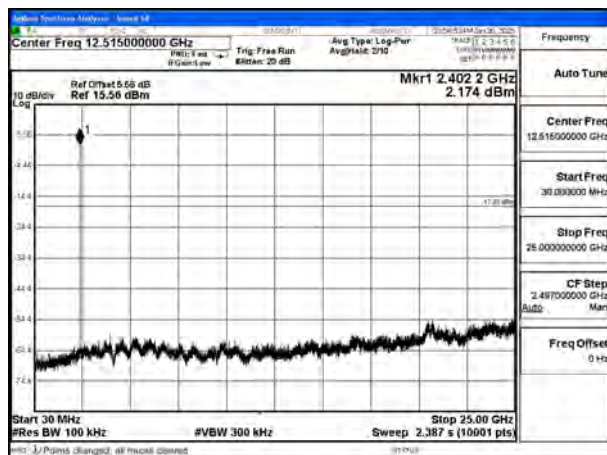
CH39



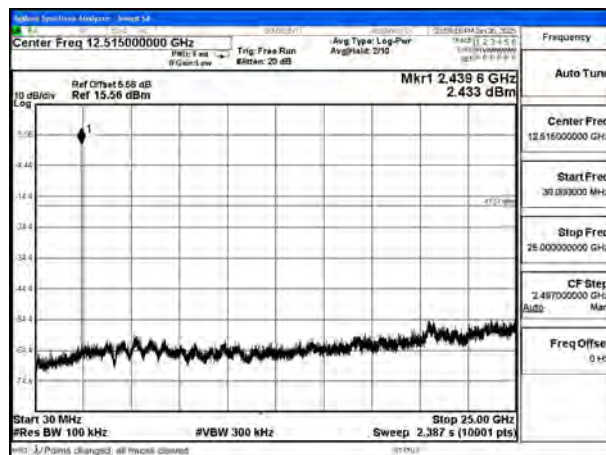
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Test Report No.: PSU-NQN2412260210RF01

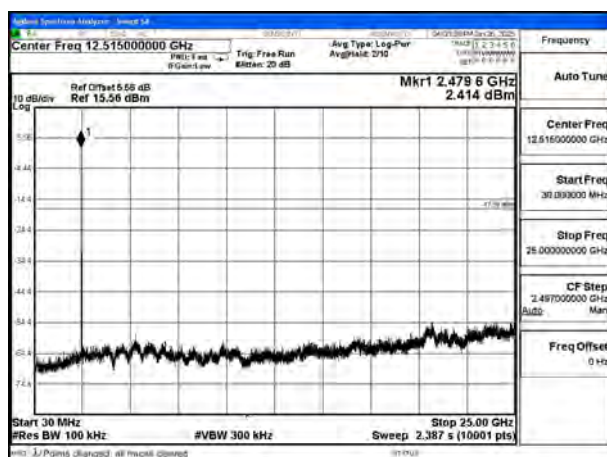
Test Mode: Coded 125K



CH0



CH19



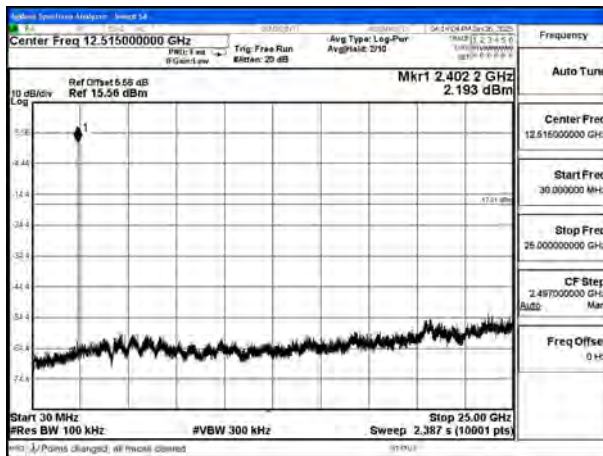
CH39



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VERITAS

Test Report No.: PSU-NQN2412260210RF01

Test Mode: Coded 500K



CH0



CH19



CH39

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

Test Mode	Frequency (MHz)	Plot	Duty Cycle	Correction Factor(dB)	Antenna Gain(dBi)
GFSK (LE 1Mbps)	2402	Fig.1	67.70%	1.69	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.1	37.80%	4.23	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.2	82.20%	0.85	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.3	58.70%	2.31	0.40

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



BUREAU
VERITAS

Test Report No.: PSU-NQN2412260210RF01

TEST GRAPHS

Test Mode: GFSK (LE 1Mbps)

Test Mode: GFSK (LE 2Mbps)

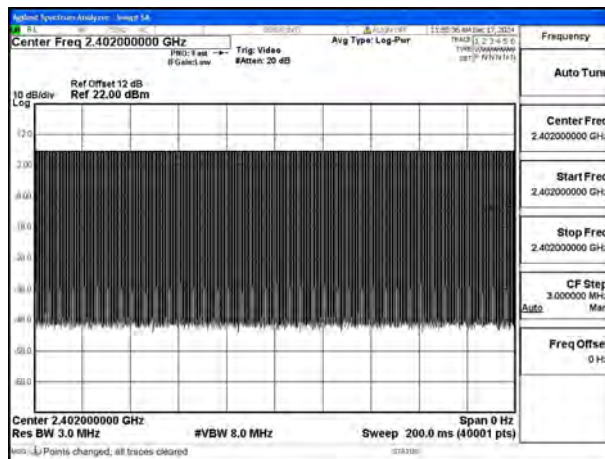


Fig.1

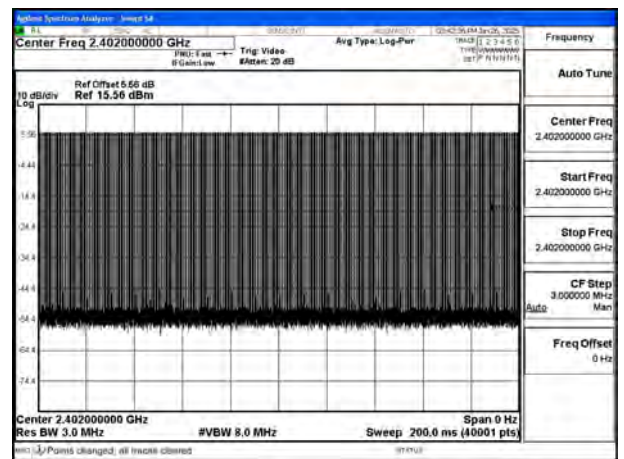


Fig.2

Test Mode: Coded 125K

Test Mode: Coded 500K

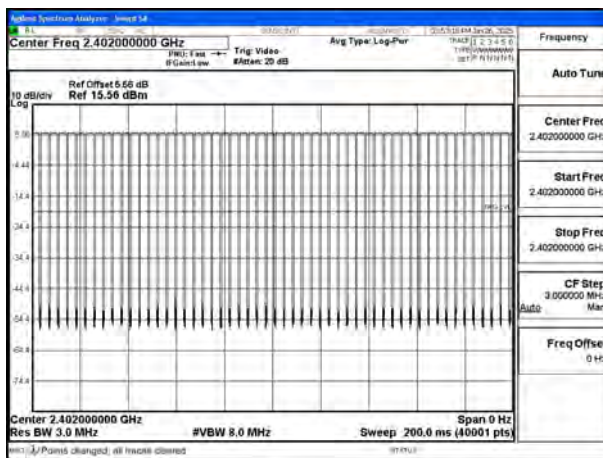


Fig.3

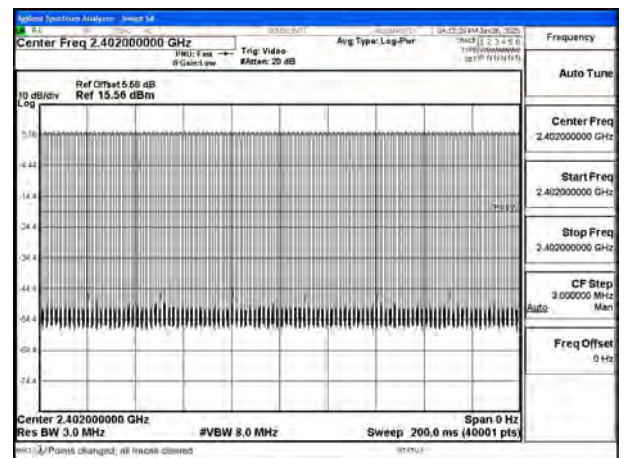


Fig.4

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