



BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

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	13.90	11.01	11.71
802.11b	NA	2437	Chain0	12.01	9.09	9.79
802.11b	NA	2462	Chain0	10.29	7.32	8.02
802.11g	NA	2412	Chain0	19.12	12.00	12.70
802.11g	NA	2437	Chain0	17.12	10.03	10.73
802.11g	NA	2462	Chain0	15.48	8.36	9.06
802.11n HT20	NA	2412	Chain0	19.38	11.96	12.66
802.11n HT20	NA	2437	Chain0	17.41	9.97	10.67
802.11n HT20	NA	2462	Chain0	15.73	8.30	9.00
802.11n HT40	NA	2422	Chain0	19.08	11.82	12.52
802.11n HT40	NA	2437	Chain0	17.58	10.38	11.08
802.11n HT40	NA	2452	Chain0	15.10	7.90	8.60

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	19.99	11.99	12.69
802.11ax HE20	26T+0	2437	Chain0	20.67	12.14	12.84
802.11ax HE20	26T+0	2462	Chain0	20.37	12.05	12.75
802.11ax HE20	26T+4	2412	Chain0	19.49	11.11	11.81
802.11ax HE20	26T+4	2437	Chain0	21.61	13.62	14.32
802.11ax HE20	26T+4	2462	Chain0	21.15	12.91	13.61
802.11ax HE20	26T+8	2412	Chain0	20.53	12.29	12.99
802.11ax HE20	26T+8	2437	Chain0	20.99	12.56	13.26
802.11ax HE20	26T+8	2462	Chain0	20.61	12.38	13.08
802.11ax HE20	52T+37	2412	Chain0	20.42	12.18	12.88

**Test Report No.: PSU-NQN2412170109RF02**

802.11ax HE20	52T+37	2437	Chain0	20.93	12.46	13.16
802.11ax HE20	52T+37	2462	Chain0	20.81	12.40	13.10
802.11ax HE20	52T+39	2412	Chain0	21.07	12.77	13.47
802.11ax HE20	52T+39	2437	Chain0	21.31	13.02	13.72
802.11ax HE20	52T+39	2462	Chain0	21.28	13.00	13.70
802.11ax HE20	52T+40	2412	Chain0	21.00	12.73	13.43
802.11ax HE20	52T+40	2437	Chain0	21.33	13.18	13.88
802.11ax HE20	52T+40	2462	Chain0	21.28	12.99	13.69
802.11ax HE20	106T+53	2412	Chain0	20.49	12.42	13.12
802.11ax HE20	106T+53	2437	Chain0	21.10	12.84	13.54
802.11ax HE20	106T+53	2462	Chain0	20.86	12.72	13.42
802.11ax HE20	106T+54	2412	Chain0	20.58	12.48	13.18
802.11ax HE20	106T+54	2437	Chain0	21.16	12.91	13.61
802.11ax HE20	106T+54	2462	Chain0	20.91	12.68	13.38
802.11ax HE20	242T+61	2412	Chain0	20.39	12.56	13.26
802.11ax HE20	242T+61	2437	Chain0	20.72	12.92	13.62
802.11ax HE20	242T+61	2462	Chain0	20.57	12.73	13.43
802.11ax HE40	26T+0	2422	Chain0	19.80	11.25	11.95
802.11ax HE40	26T+0	2437	Chain0	20.33	11.52	12.22
802.11ax HE40	26T+0	2452	Chain0	20.19	11.92	12.62
802.11ax HE40	26T+10	2422	Chain0	21.75	13.25	13.95
802.11ax HE40	26T+10	2437	Chain0	21.49	13.17	13.87
802.11ax HE40	26T+10	2452	Chain0	21.85	13.20	13.90
802.11ax HE40	26T+17	2422	Chain0	21.00	11.75	12.45
802.11ax HE40	26T+17	2437	Chain0	20.31	11.79	12.49
802.11ax HE40	26T+17	2452	Chain0	20.30	11.72	12.42
802.11ax HE40	52T+37	2422	Chain0	20.03	11.35	12.05
802.11ax HE40	52T+37	2437	Chain0	20.15	11.59	12.29
802.11ax HE40	52T+37	2452	Chain0	20.20	11.85	12.55
802.11ax HE40	52T+41	2422	Chain0	20.39	12.05	12.75
802.11ax HE40	52T+41	2437	Chain0	20.21	12.28	12.98
802.11ax HE40	52T+41	2452	Chain0	21.13	12.49	13.19
802.11ax HE40	52T+44	2422	Chain0	21.27	12.75	13.45
802.11ax HE40	52T+44	2437	Chain0	21.31	12.80	13.50
802.11ax HE40	52T+44	2452	Chain0	20.32	11.98	12.68



**BUREAU
VERITAS**

Test Report No.: PSU-NQN2412170109RF02

802.11ax HE40	106T+53	2422	Chain0	20.18	11.77	12.47
802.11ax HE40	106T+53	2437	Chain0	20.34	12.00	12.70
802.11ax HE40	106T+53	2452	Chain0	20.46	12.19	12.89
802.11ax HE40	106T+55	2422	Chain0	20.08	11.70	12.40
802.11ax HE40	106T+55	2437	Chain0	20.26	11.90	12.60
802.11ax HE40	106T+55	2452	Chain0	20.62	12.20	12.90
802.11ax HE40	106T+56	2422	Chain0	20.03	11.79	12.49
802.11ax HE40	106T+56	2437	Chain0	19.55	11.96	12.66
802.11ax HE40	106T+56	2452	Chain0	20.49	12.20	12.90
802.11ax HE40	242T+61	2422	Chain0	20.13	12.27	12.97
802.11ax HE40	242T+61	2437	Chain0	20.40	12.51	13.21
802.11ax HE40	242T+61	2452	Chain0	20.52	12.72	13.42
802.11ax HE40	242T+62	2422	Chain0	20.11	12.23	12.93
802.11ax HE40	242T+62	2437	Chain0	20.32	12.49	13.19
802.11ax HE40	242T+62	2452	Chain0	20.50	12.65	13.35
802.11ax HE40	484T+65	2422	Chain0	20.32	12.18	12.88
802.11ax HE40	484T+65	2437	Chain0	20.57	12.40	13.10
802.11ax HE40	484T+65	2452	Chain0	20.60	12.48	13.18

**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	-12.031	-14.585	-15.766
802.11g	Chain0	NA	-11.420	-14.914	-16.298
802.11n HT20	Chain0	NA	-12.356	-15.045	-16.531
802.11ax HE20	Chain0	26T	-8.088	-7.807	-8.526
802.11ax HE20	Chain0	52T	-10.355	-10.745	-10.860
802.11ax HE20	Chain0	106T	-13.623	-13.242	-13.348
802.11ax HE20	Chain0	242T	-14.013	-13.790	-14.172

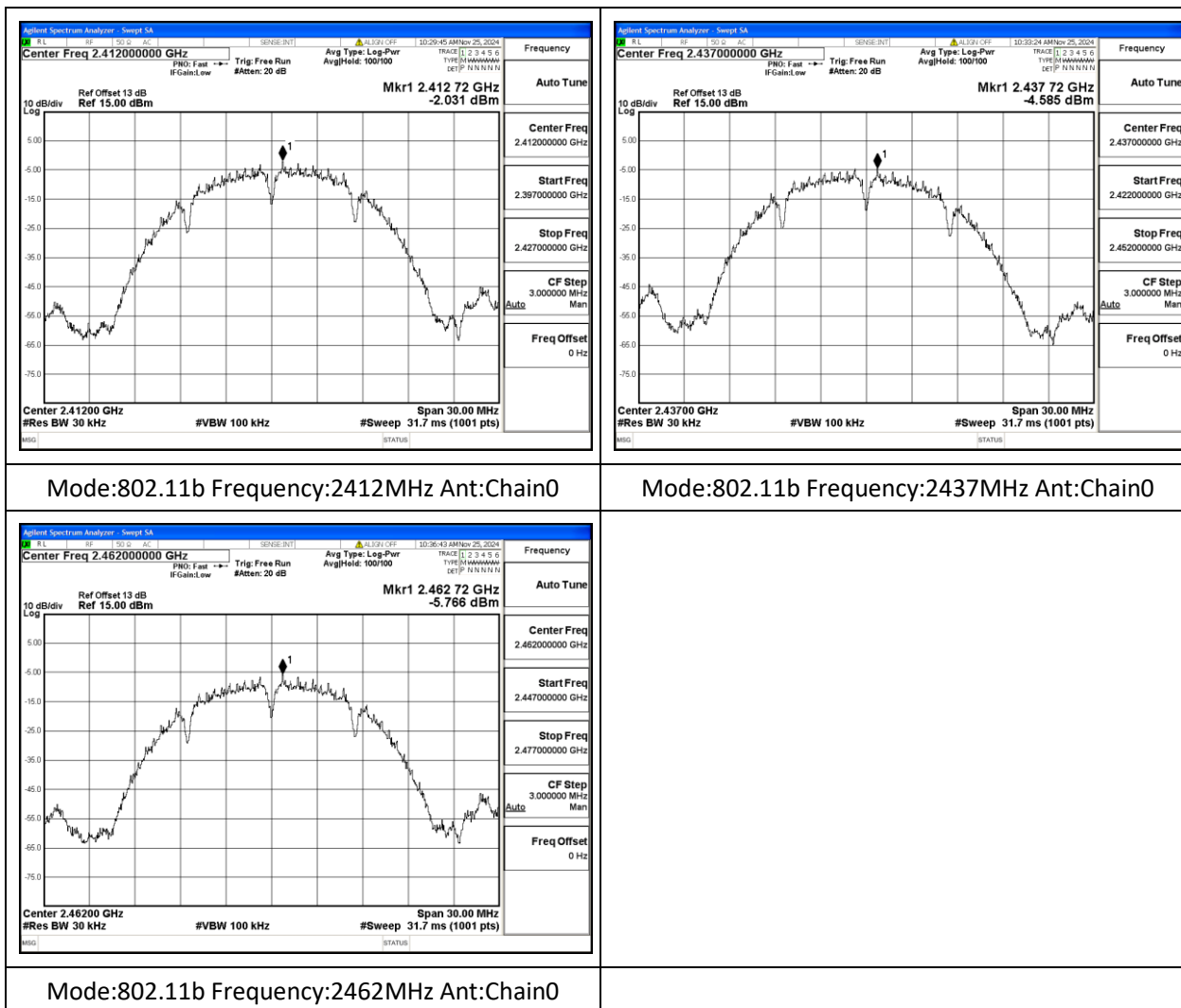
Test Mode	Antenna	Tones	Power Density(dBm/3KHz)		
			Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	NA	-14.310	-16.654	-20.577
802.11ax HE40	Chain0	26T	-9.227	-8.972	-8.825
802.11ax HE40	Chain0	52T	-11.835	-11.427	-11.265
802.11ax HE40	Chain0	106T	-14.118	-14.333	-13.365
802.11ax HE40	Chain0	242T	-13.716	-12.752	-12.746
802.11ax HE40	Chain0	484T	-16.454	-16.255	-16.026



BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

TEST GRAPHS

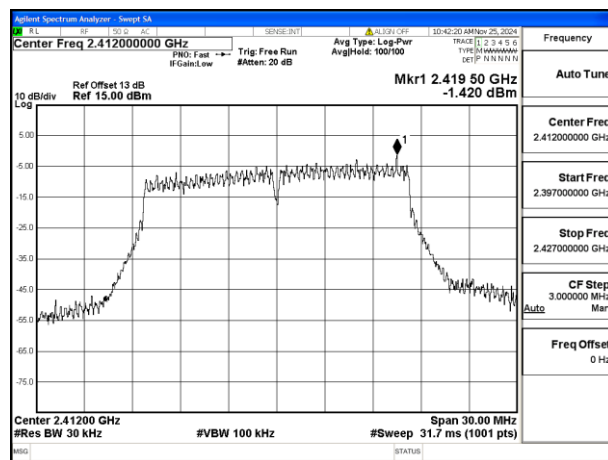
Test Mode: 802.11b



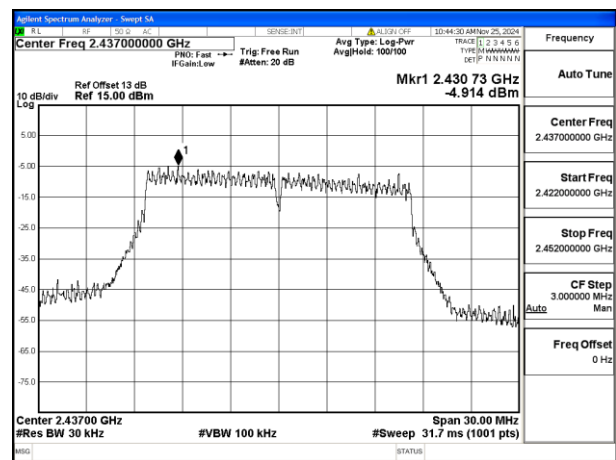


BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

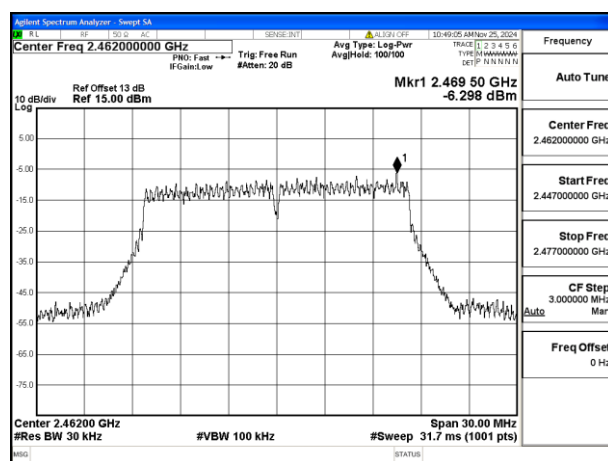
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0

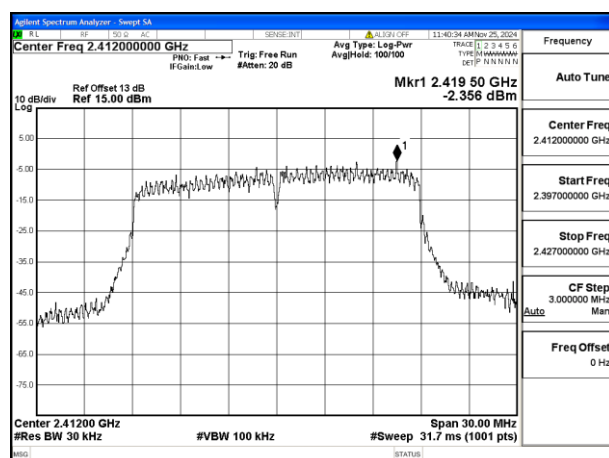


Mode:802.11g Frequency:2462MHz Ant:Chain0



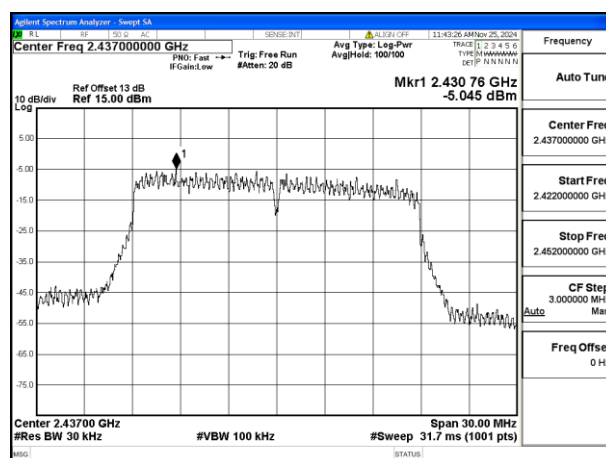
BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

Test Mode: 802.11n HT20



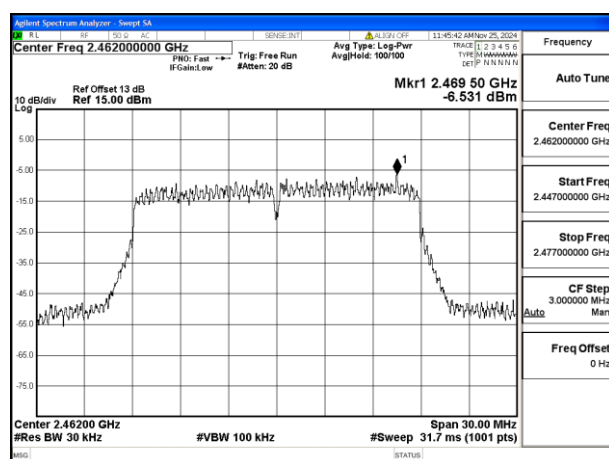
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0

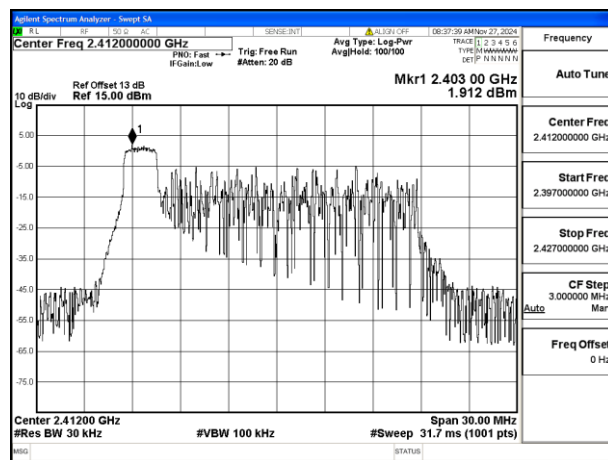


Mode:802.11n HT20 Frequency:2462MHz

Ant:Chain0

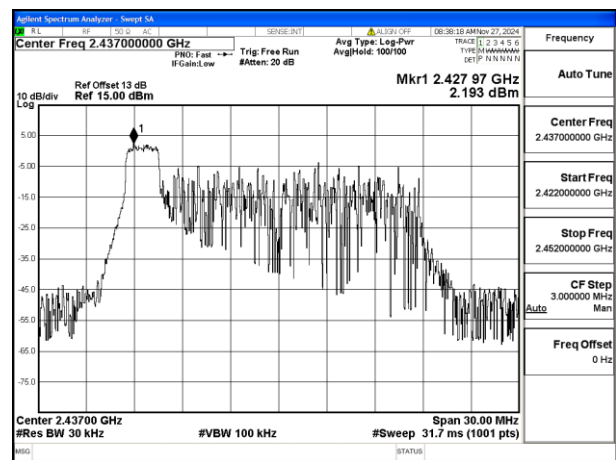


Test Mode: 802.11ax HE20



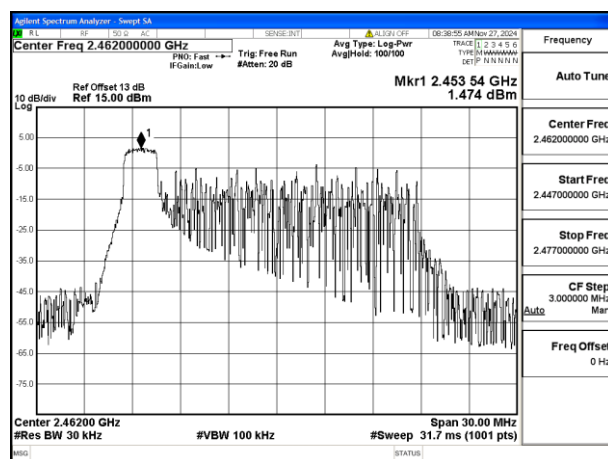
Mode:802.11ax HE20 Tone:26T Frequency:2412MHz

Ant:Chain0



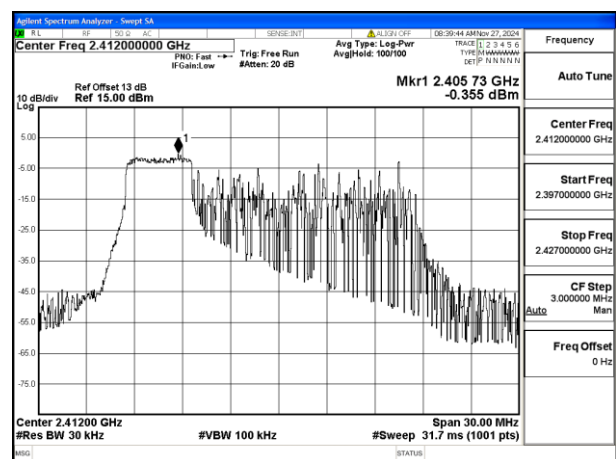
Mode:802.11ax HE20 Tone:26T Frequency:2437MHz

Ant:Chain0



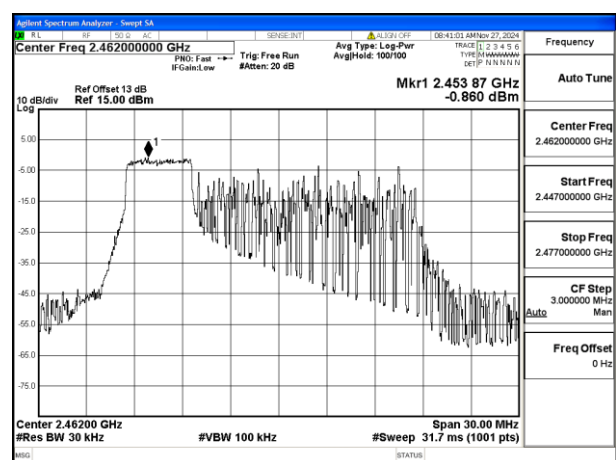
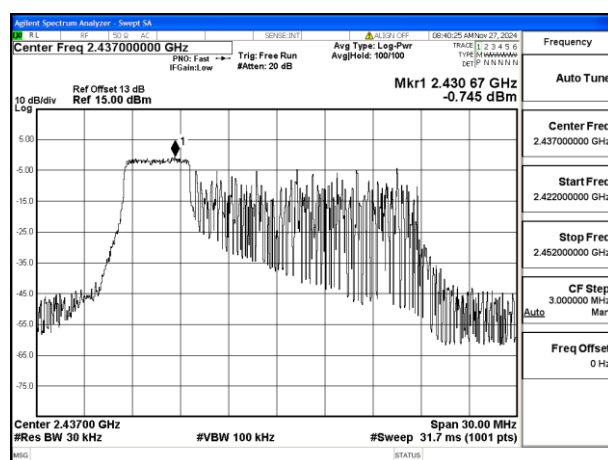
Mode:802.11ax HE20 Tone:26T Frequency:2462MHz

Ant:Chain0



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

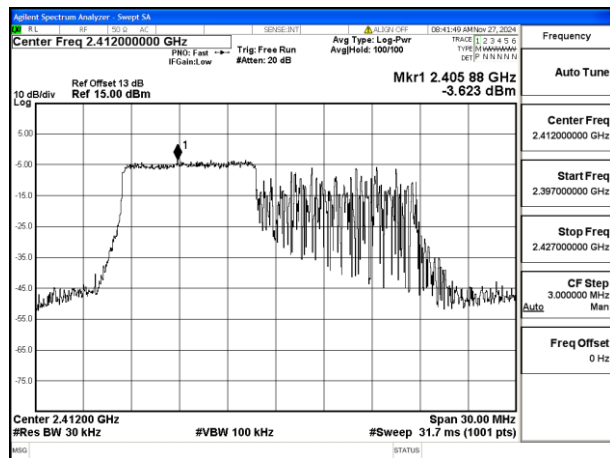
Ant:Chain0





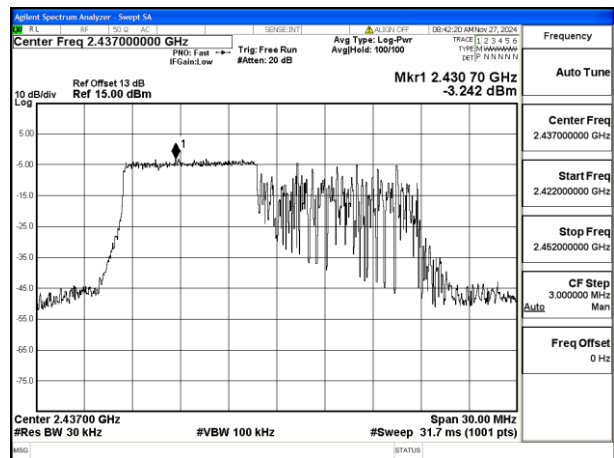
Mode:802.11ax HE20 Tone:52T Frequency:2437MHz

Ant:Chain0



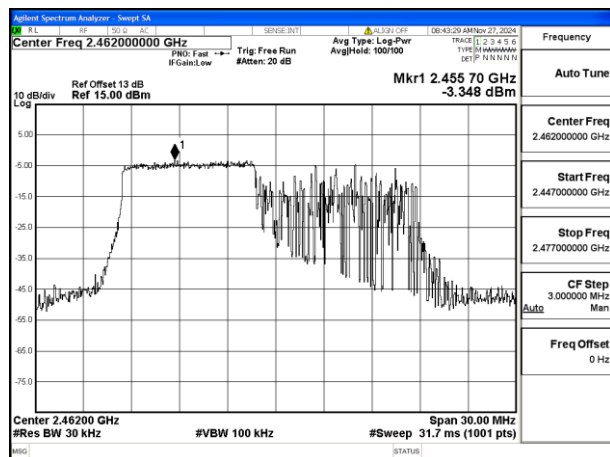
Mode:802.11ax HE20 Tone:52T Frequency:2462MHz

Ant:Chain0



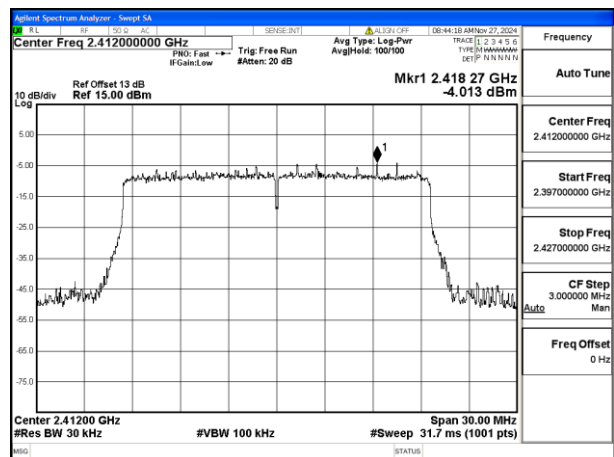
Mode:802.11ax HE20 Tone:106T

Frequency:2412MHz Ant:Chain0



Mode:802.11ax HE20 Tone:106T

Frequency:2437MHz Ant:Chain0



Mode:802.11ax HE20 Tone:106T

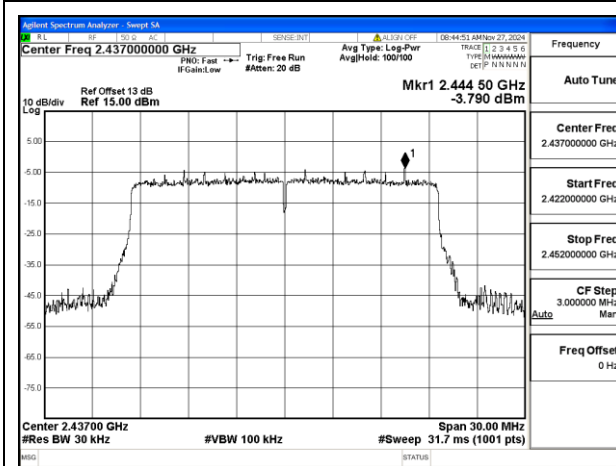
Frequency:2462MHz Ant:Chain0

Mode:802.11ax HE20 Tone:242T

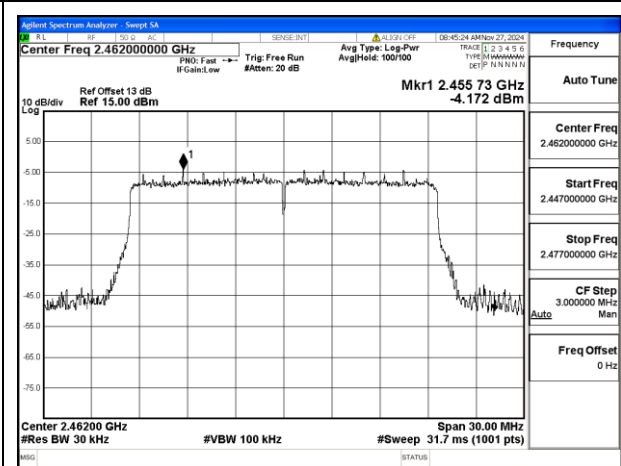
Frequency:2412MHz Ant:Chain0



BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

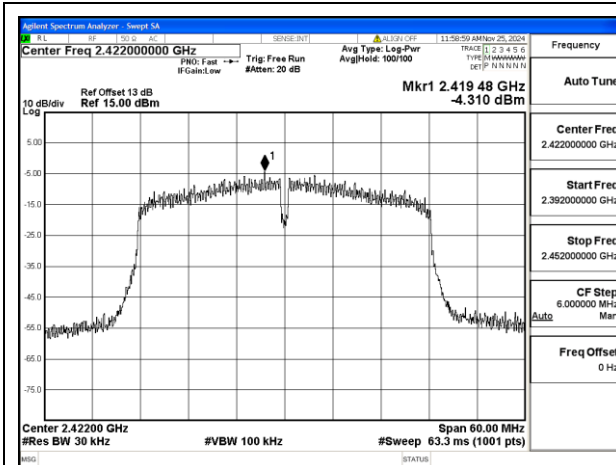


Mode:802.11ax HE20 Tone:242T
Frequency:2437MHz Ant:Chain0

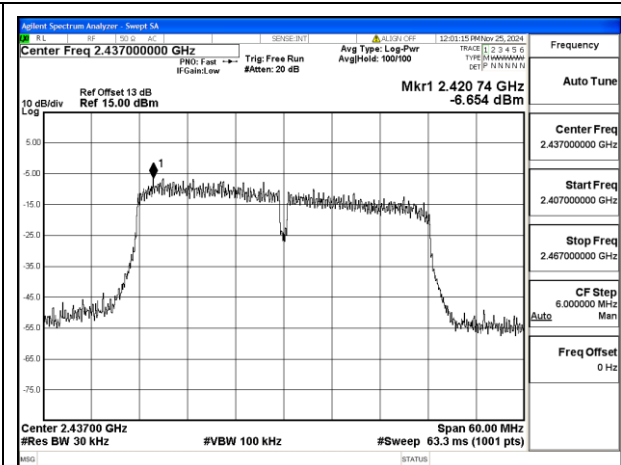


Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Chain0

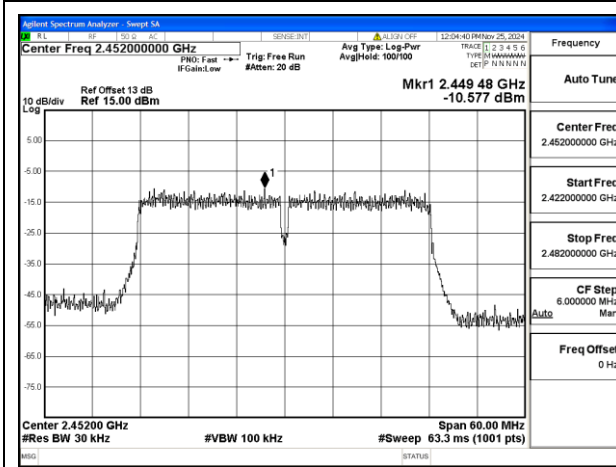
Test Mode: 802.11n HT40



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



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



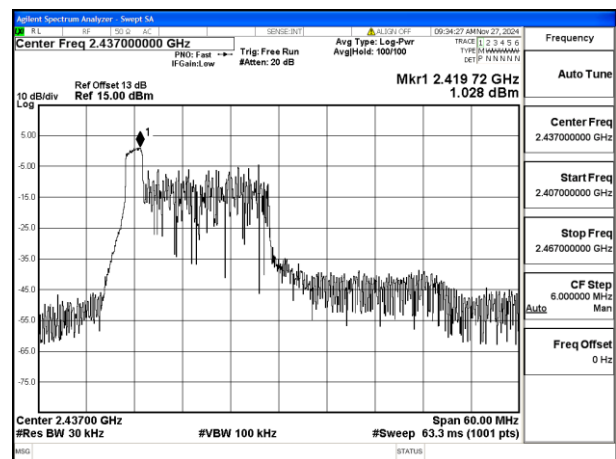
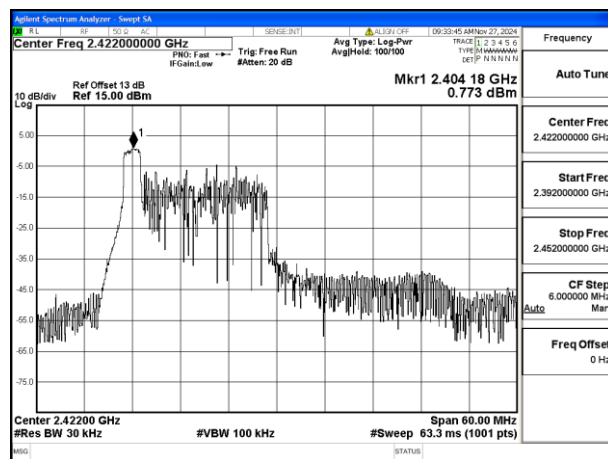


BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0

Test Mode: 802.11ax HE40

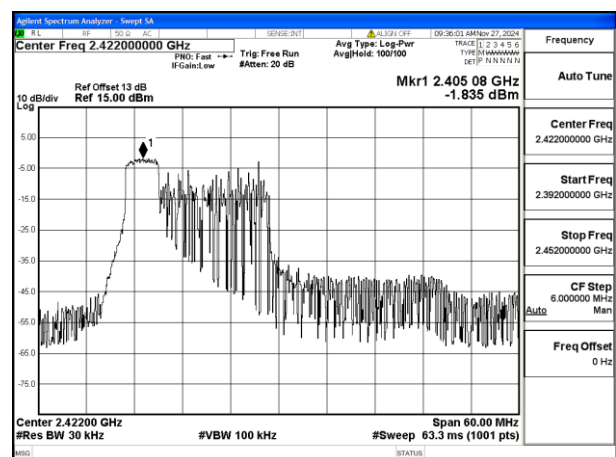
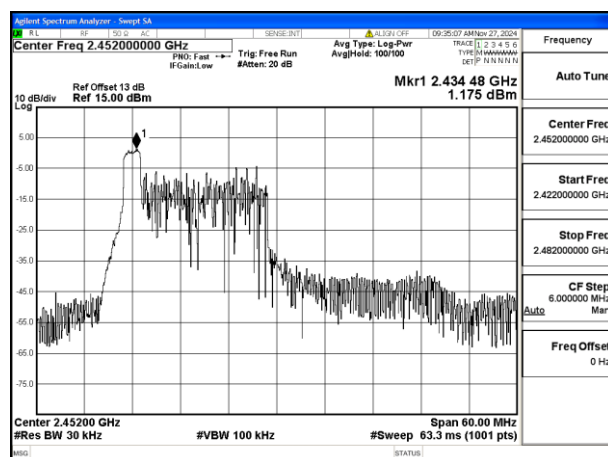


Mode:802.11ax HE40 Tone:26T Frequency:2422MHz

Ant:Chain0

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

Ant:Chain0



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

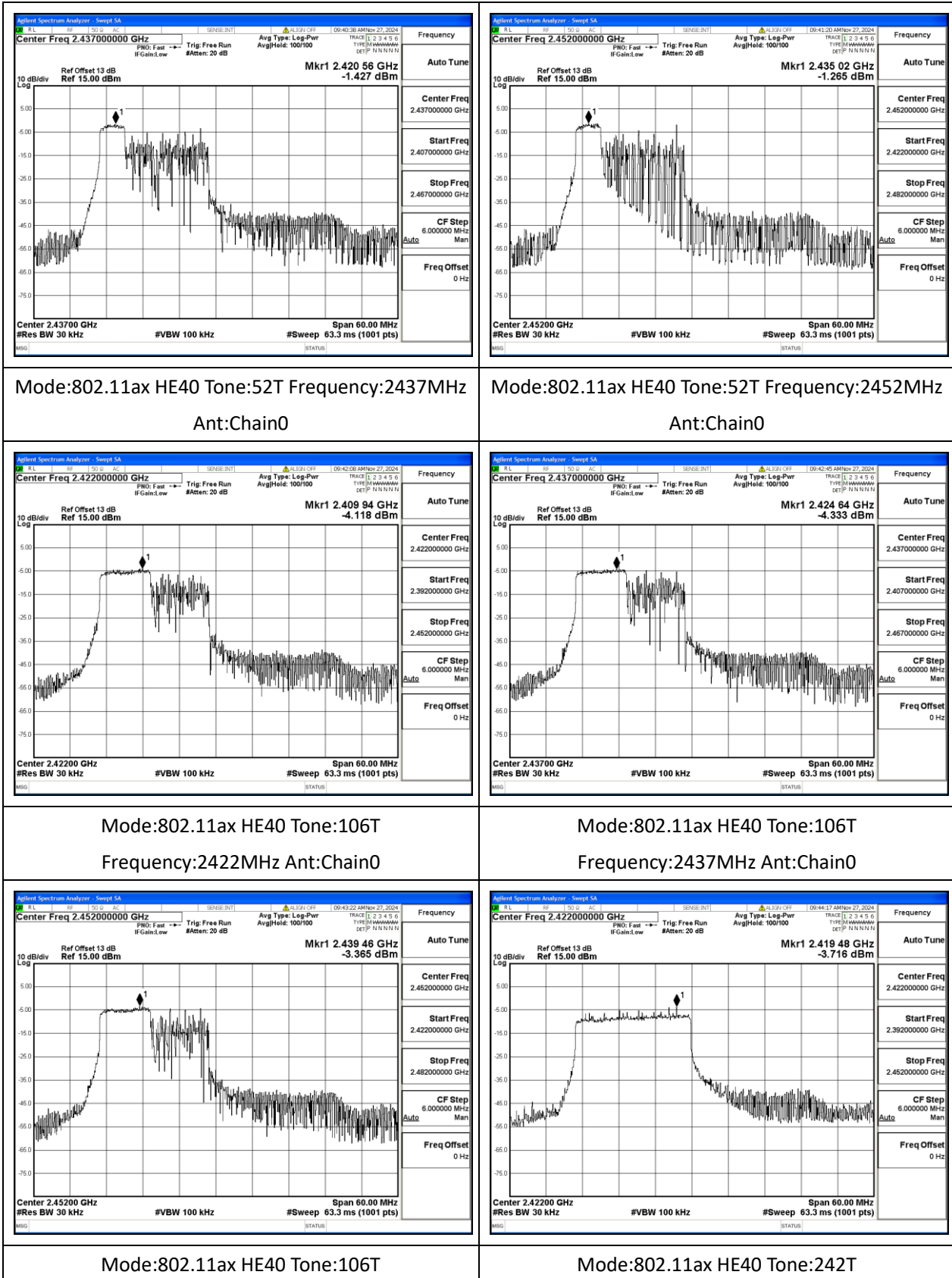
Ant:Chain0

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

Ant:Chain0



BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

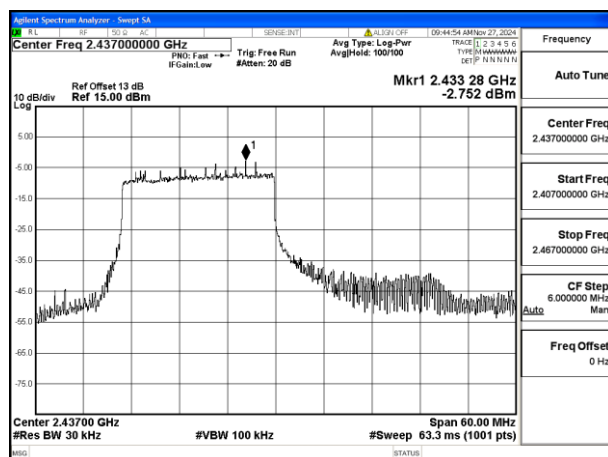




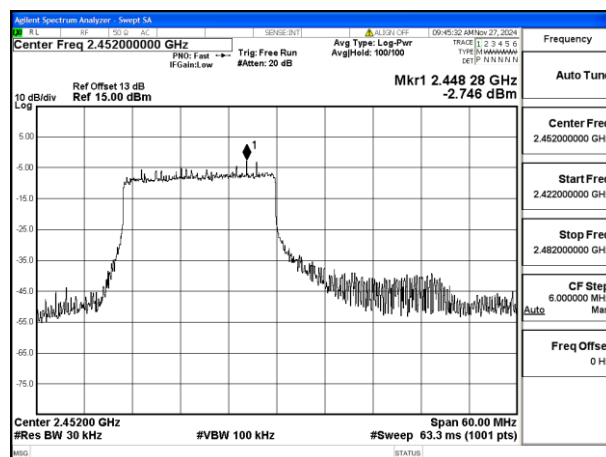
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VERITAS

Test Report No.: PSU-NQN2412170109RF02

Frequency:2452MHz Ant:Chain0

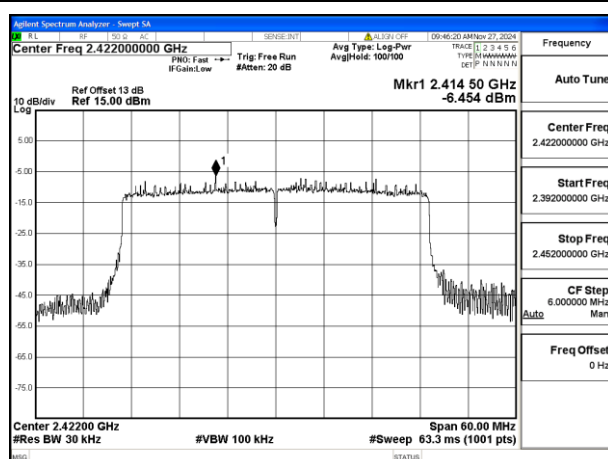


Frequency:2422MHz Ant:Chain0



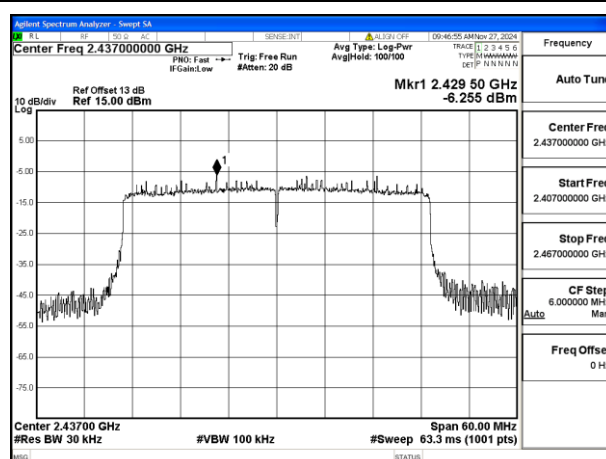
Mode:802.11ax HE40 Tone:242T

Frequency:2437MHz Ant:Chain0



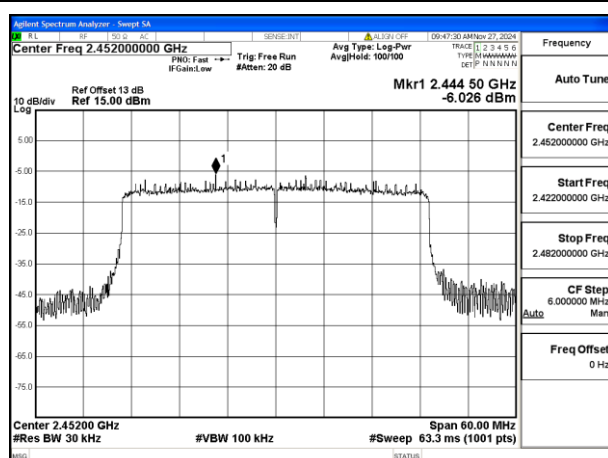
Mode:802.11ax HE40 Tone:242T

Frequency:2452MHz Ant:Chain0



Mode:802.11ax HE40 Tone:484T

Frequency:2422MHz Ant:Chain0



Mode:802.11ax HE40 Tone:484T

Frequency:2437MHz Ant:Chain0





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VERITAS

Test Report No.: PSU-NQN2412170109RF02

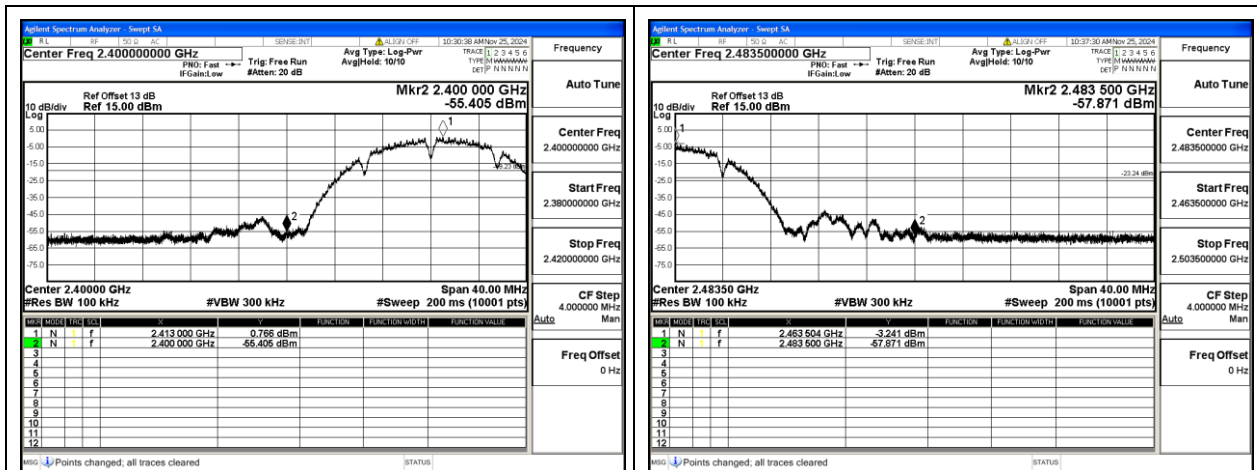
Mode:802.11ax HE40 Tone:484T

Frequency:2452MHz Ant:Chain0

BAND EDGE MEASUREMENTS

TEST GRAPHS

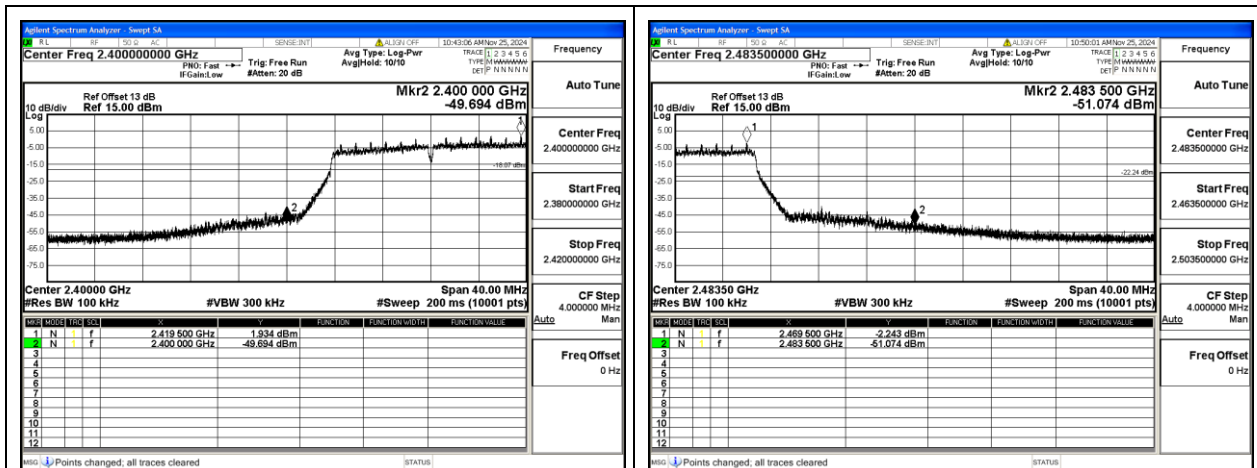
Test Mode: 802.11b



Mode:802.11b Frequency:2412MHz Ant:Chain0

Mode:802.11b Frequency:2462MHz Ant:Chain0

Test Mode: 802.11g



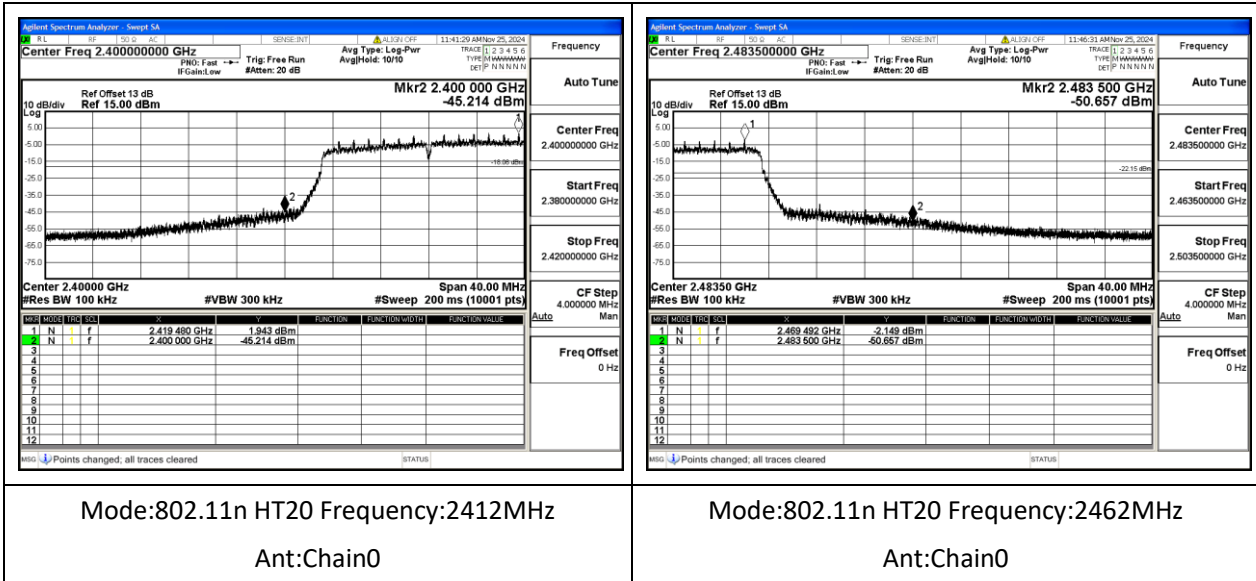
Mode:802.11g Frequency:2412MHz Ant:Chain0

Mode:802.11g Frequency:2462MHz Ant:Chain0

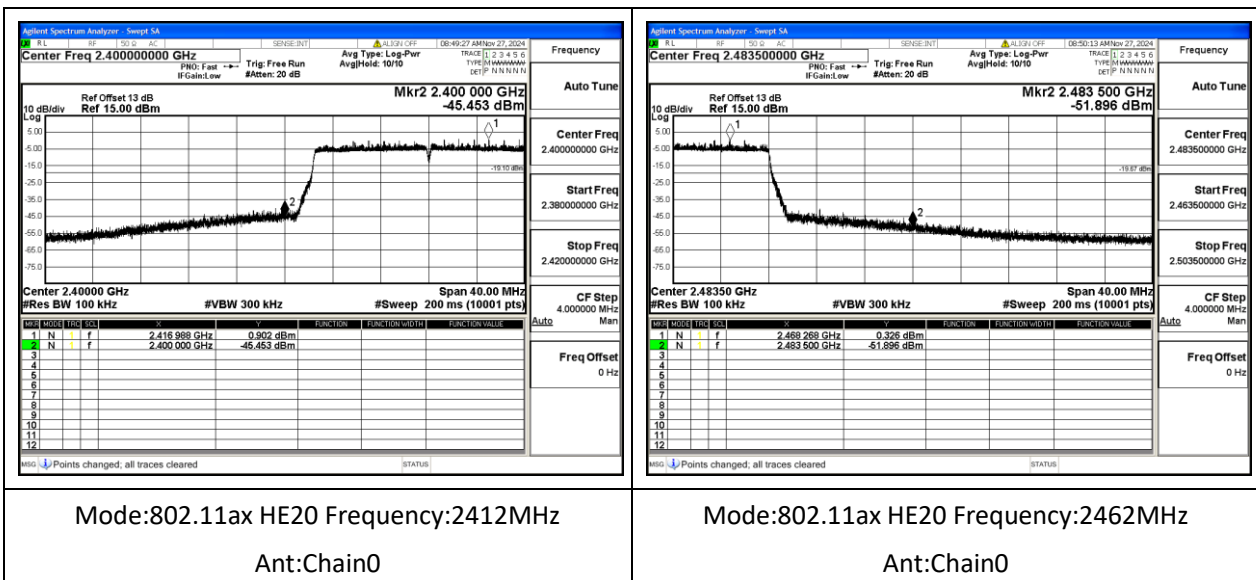
Test Mode: 802.11n HT20



BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

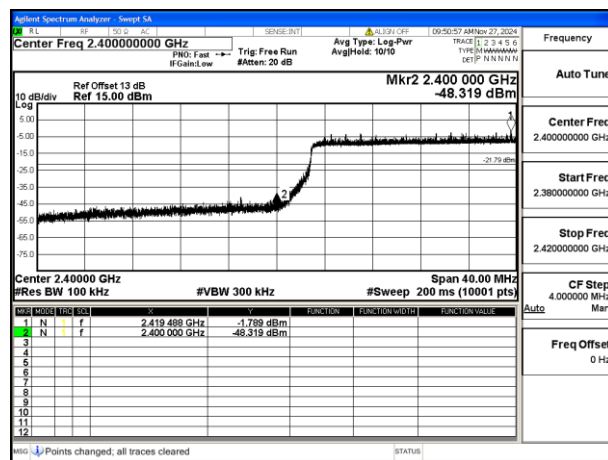


Test Mode: 802.11ax HE20



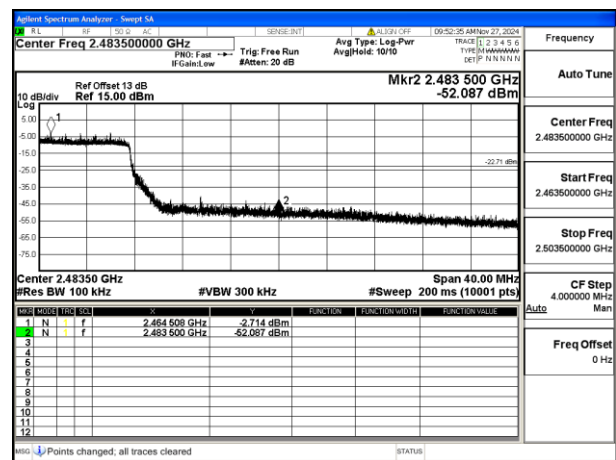


Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:2422MHz

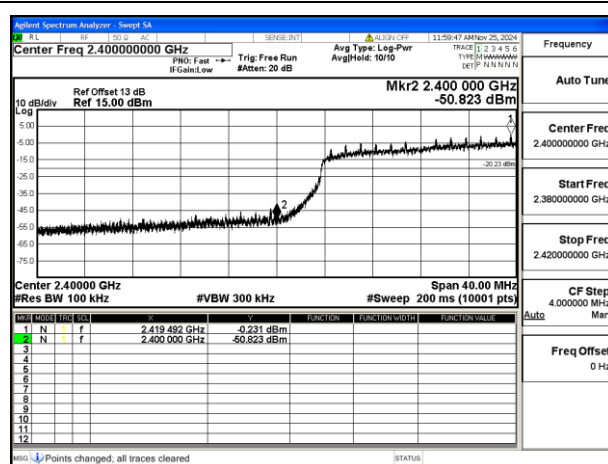
Ant:Chain0



Mode:802.11ax HE40 Frequency:2452MHz

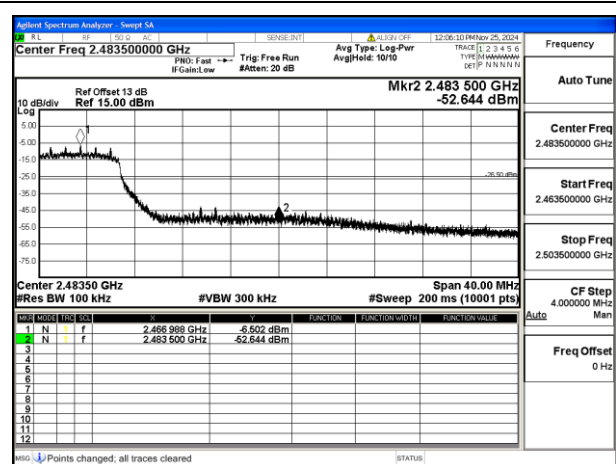
Ant:Chain0

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0

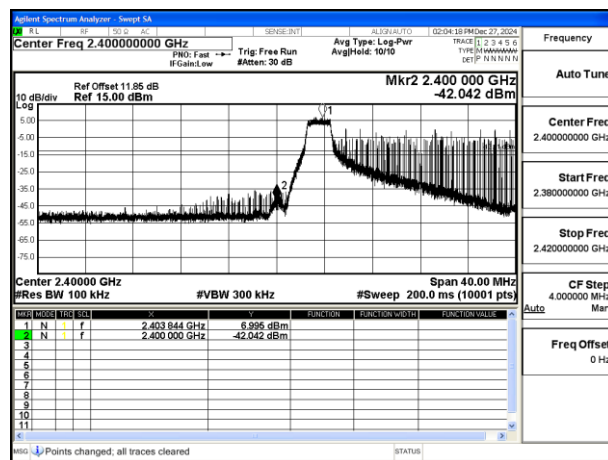


Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0

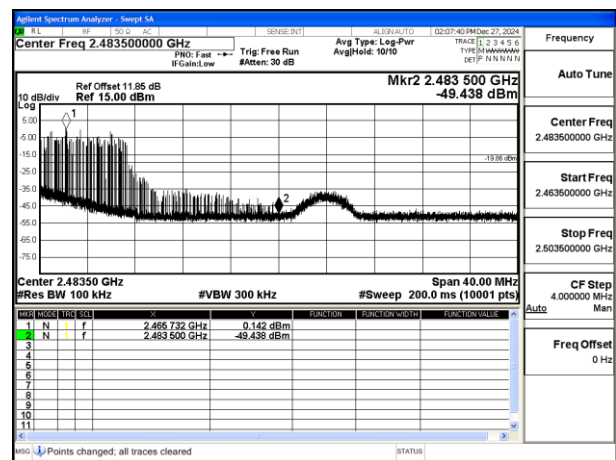


Test Mode: 802.11ax HE20 26T



Mode:802.11ax HE20 Frequency:2412MHz

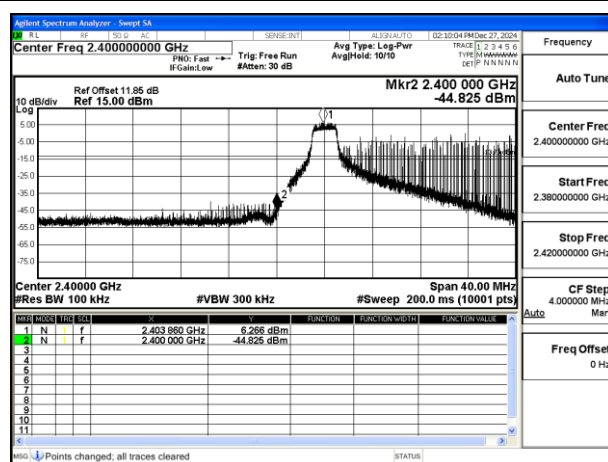
Ant:Chain0



Mode:802.11ax HE20 Frequency:2462MHz

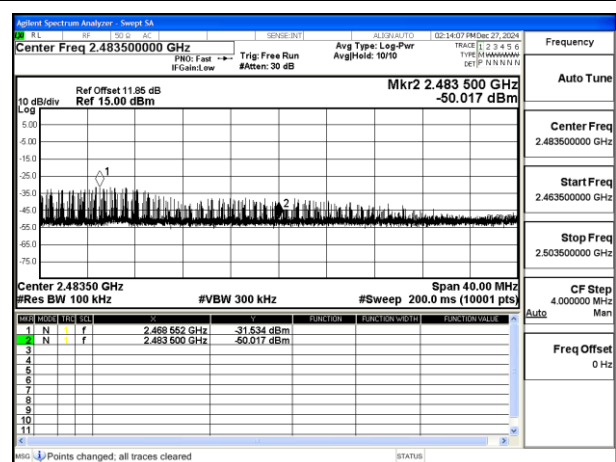
Ant:Chain0

Test Mode: 802.11ax HE40 26T



Mode:802.11ax HE40 Frequency:2422MHz

Ant:Chain0



Mode:802.11ax HE40 Frequency:2452MHz

Ant:Chain0

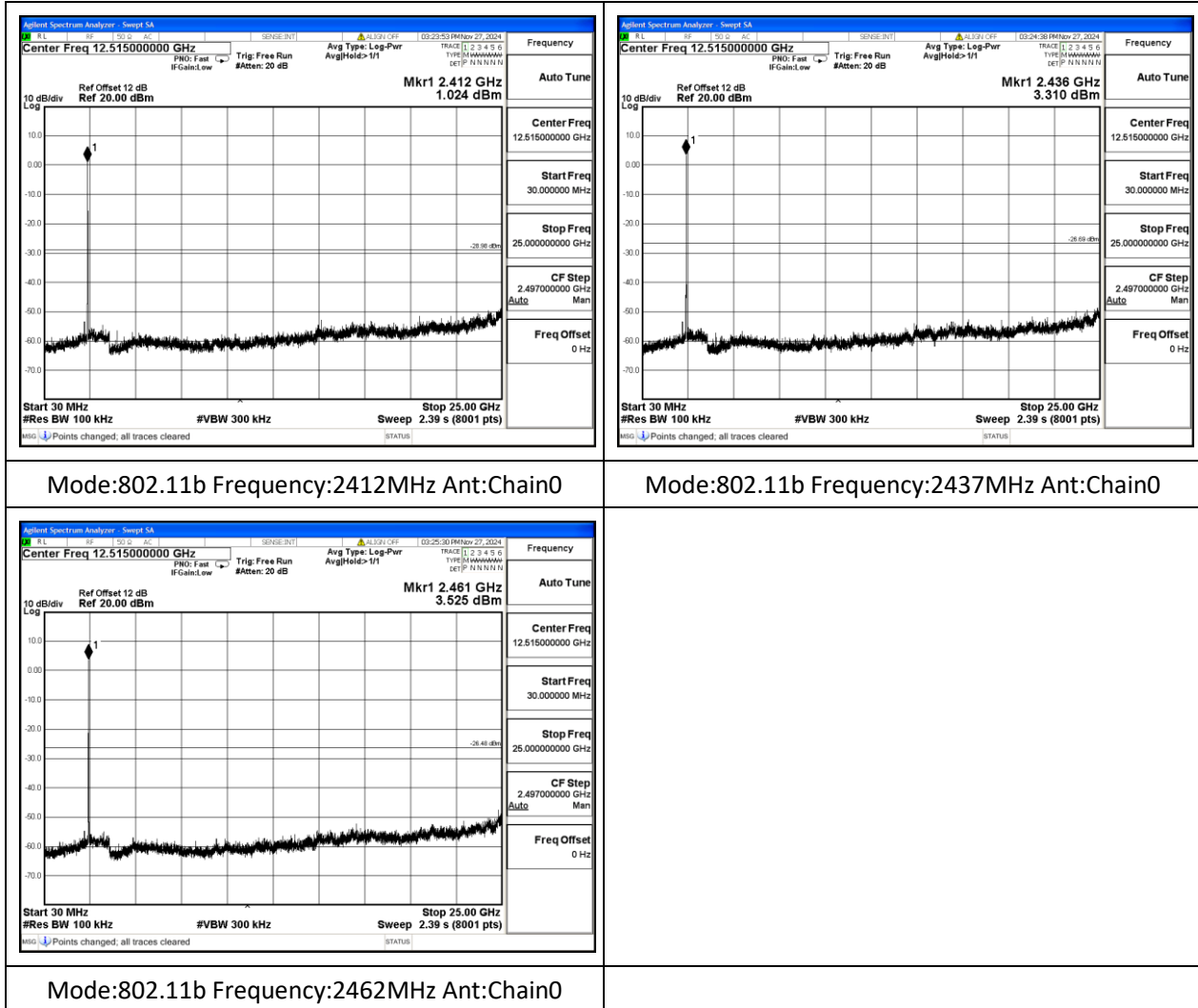


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Test Report No.: PSU-NQN2412170109RF02

CONDUCTED SPURIOUS EMISSION TEST RESULT

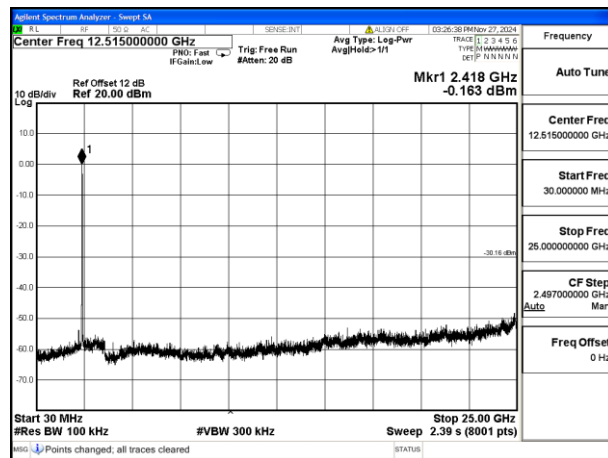
Test Mode: 802.11b



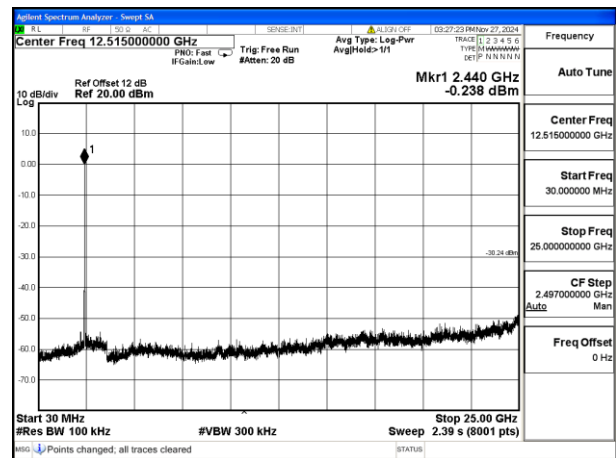


BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

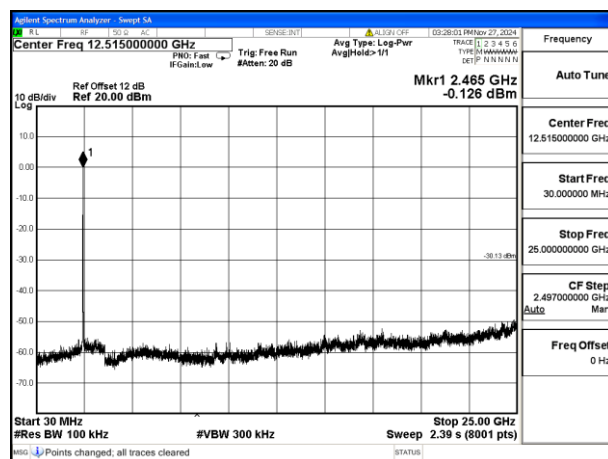
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0

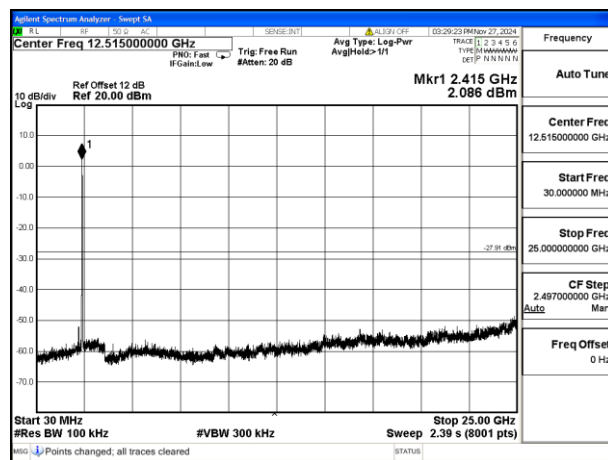


Mode:802.11g Frequency:2462MHz Ant:Chain0



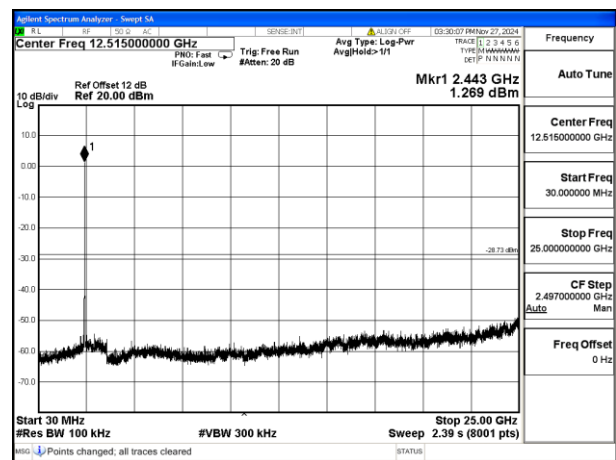
BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

Test Mode: 802.11n HT20



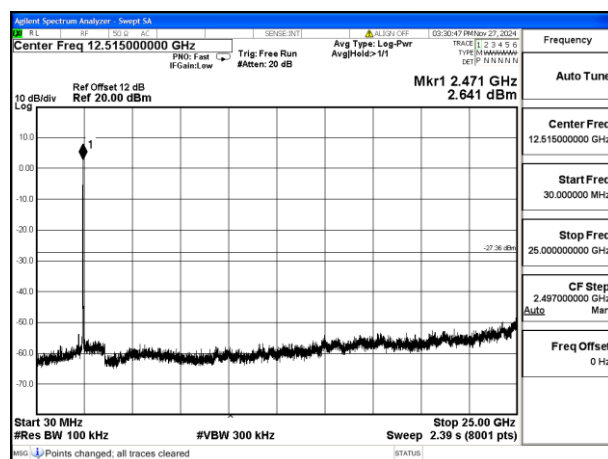
Mode:802.11n HT20 Frequency:2412MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2437MHz

Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz

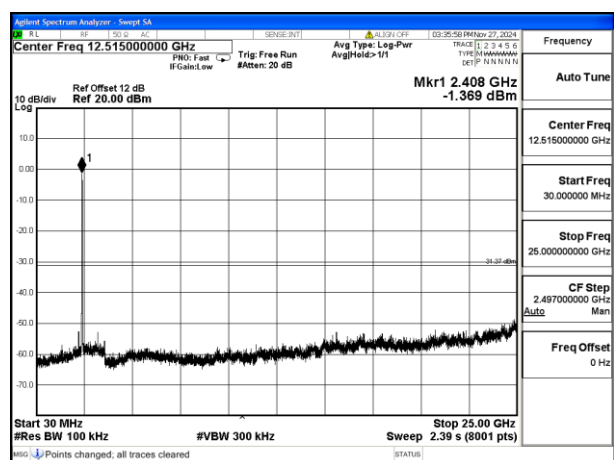
Ant:Chain0



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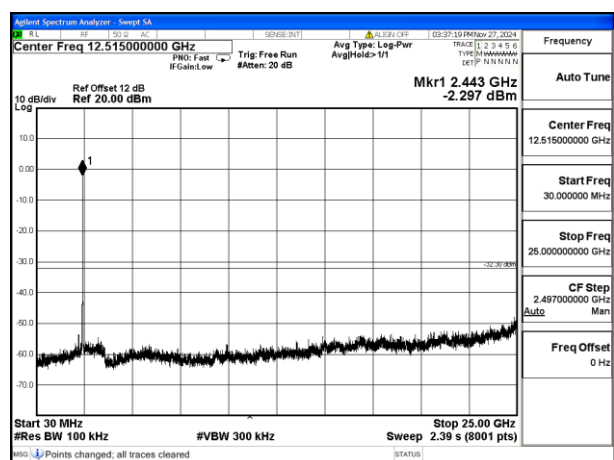
Test Report No.: PSU-NQN2412170109RF02

Test Mode: 802.11ax HE20



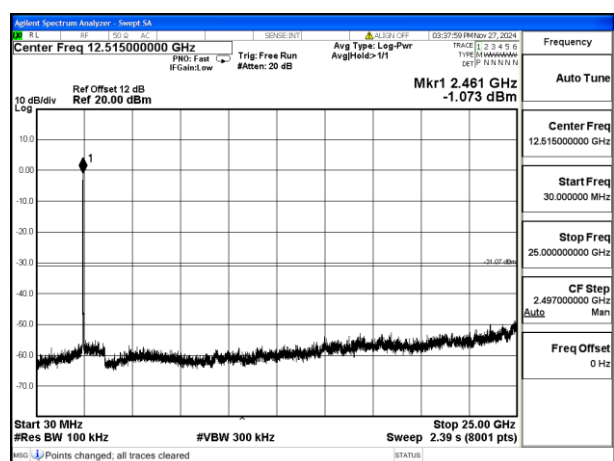
Mode:802.11ax HE20 Frequency:2412MHz

Ant:Chain0



Mode:802.11ax HE20 Frequency:2437MHz

Ant:Chain0



Mode:802.11ax HE20 Frequency:2462MHz

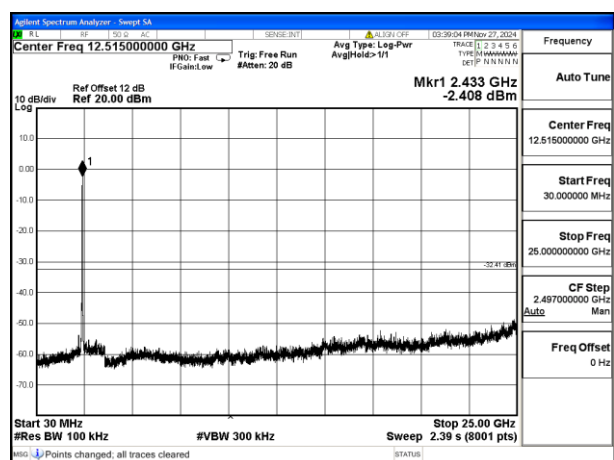
Ant:Chain0



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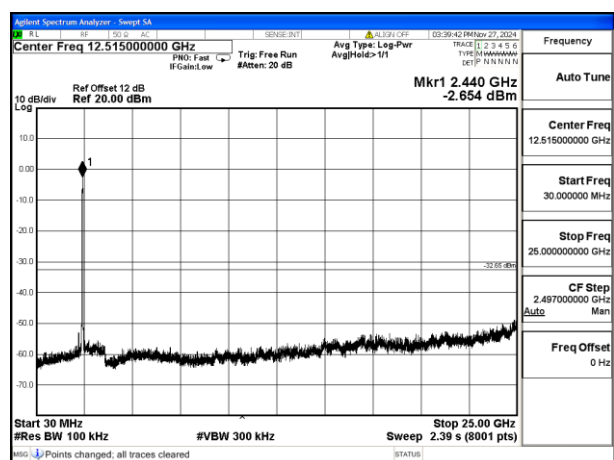
Test Report No.: PSU-NQN2412170109RF02

Test Mode: 802.11ax HE40



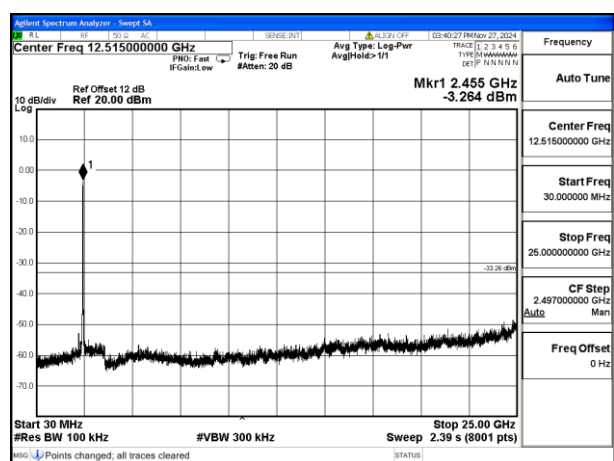
Mode:802.11ax HE40 Frequency:2422MHz

Ant:Chain0



Mode:802.11ax HE40 Frequency:2437MHz

Ant:Chain0



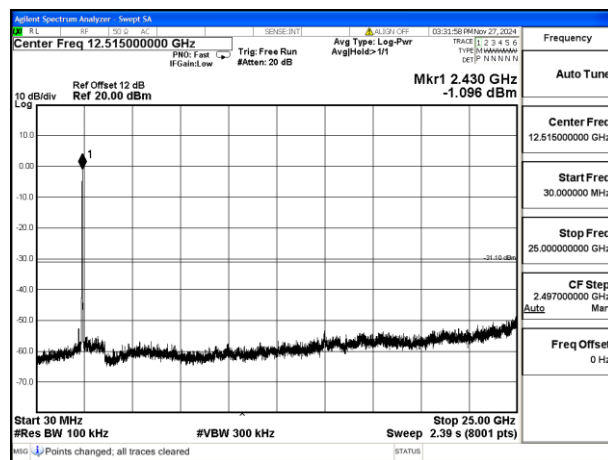
Mode:802.11ax HE40 Frequency:2452MHz

Ant:Chain0



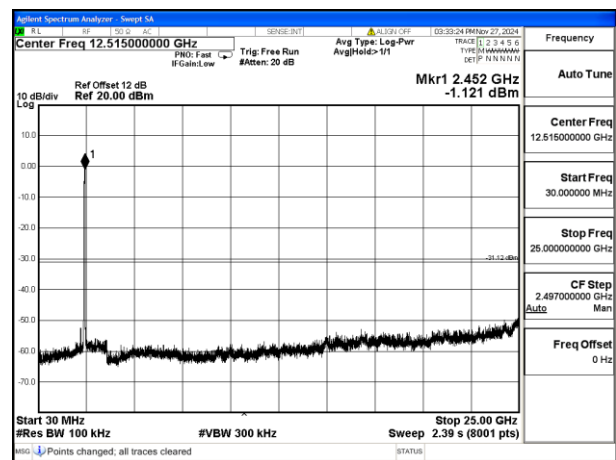
BUREAU VERITAS Test Report No.: PSU-NQN2412170109RF02

Test Mode: 802.11n HT40



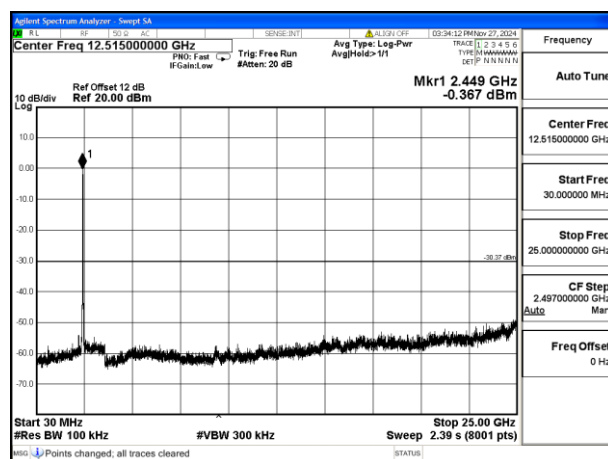
Mode:802.11n HT40 Frequency:2422MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2437MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2449MHz

Ant:Chain0



Mode:802.11n HT40 Frequency:2452MHz

Ant:Chain0