



Frequency:2437MHz Ant:Ant4	Frequency:2462MHz Ant:Ant4
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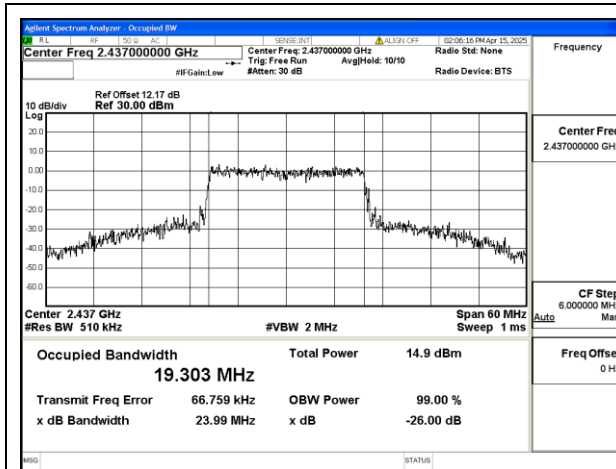
Test Mode: 802.11be HE20

Agilent Spectrum Analyzer - Occupied BW Center Freq 2.412000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 60 MHz Sweep 1 ms CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Occupied Bandwidth 19.266 MHz Total Power 14.1 dBm Transmit Freq Error 82.426 kHz OBW Power 99.00 % x dB Bandwidth 22.75 MHz x dB -26.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 60 MHz Sweep 1 ms CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Occupied Bandwidth 19.252 MHz Total Power 15.1 dBm Transmit Freq Error 50.264 kHz OBW Power 99.00 % x dB Bandwidth 21.96 MHz x dB -26.00 dB
Mode:802.11be HE20 Tone:242T Frequency:2412MHz Ant:Ant8	Mode:802.11be HE20 Tone:242T Frequency:2437MHz Ant:Ant8
Agilent Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 60 MHz Sweep 1 ms CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Occupied Bandwidth 19.168 MHz Total Power 14.3 dBm Transmit Freq Error 29.297 kHz OBW Power 99.00 % x dB Bandwidth 22.24 MHz x dB -26.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq 2.412000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 60 MHz Sweep 1 ms CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz Occupied Bandwidth 19.204 MHz Total Power 14.0 dBm Transmit Freq Error 73.748 kHz OBW Power 99.00 % x dB Bandwidth 21.31 MHz x dB -26.00 dB
Mode:802.11be HE20 Tone:242T Frequency:2462MHz Ant:Ant8	Mode:802.11be HE20 Tone:242T Frequency:2412MHz Ant:Ant4

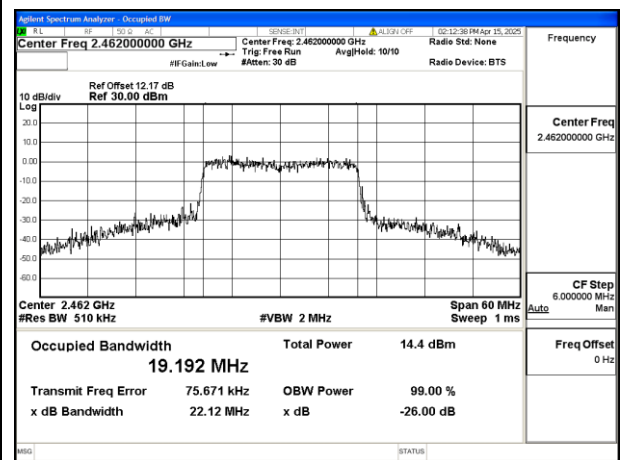


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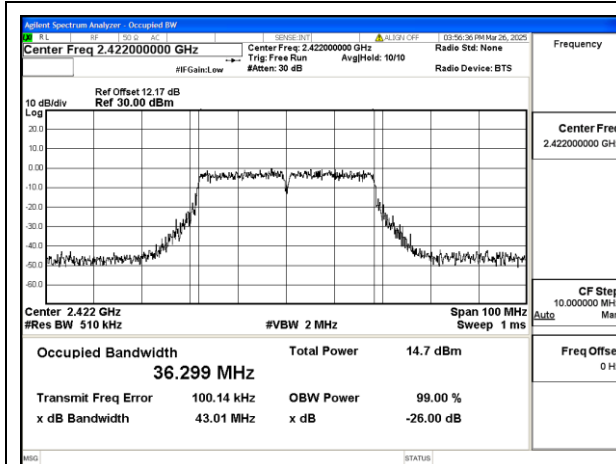


Mode:802.11be HE20 Tone:242T
Frequency:2437MHz Ant:Ant4

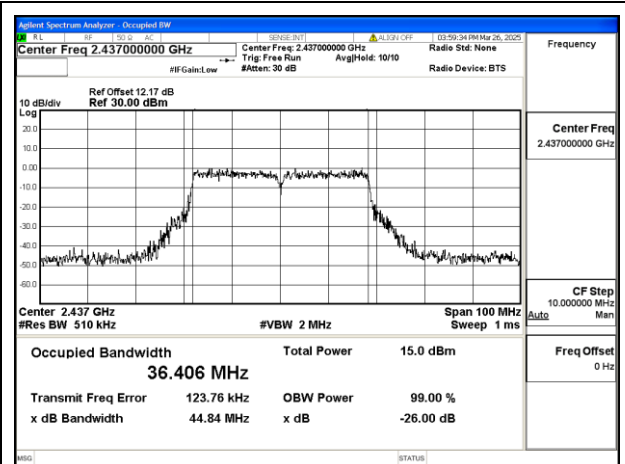


Mode:802.11be HE20 Tone:242T
Frequency:2462MHz Ant:Ant4

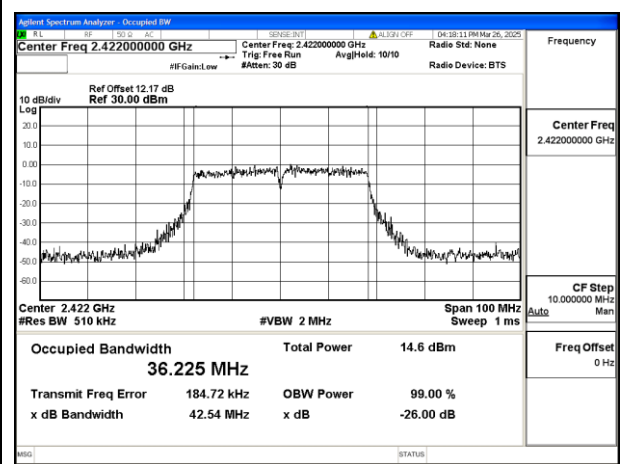
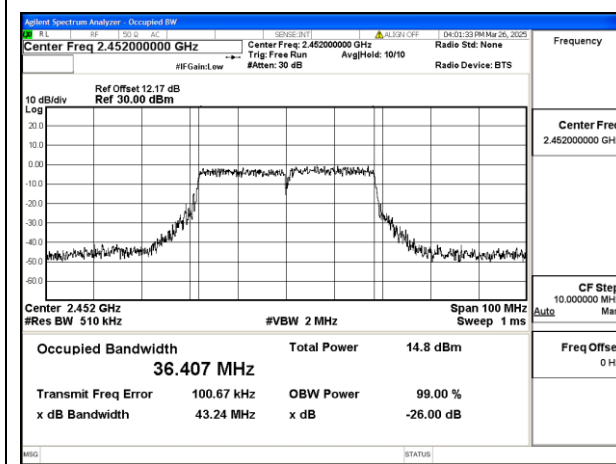
Test Mode: 802.11n HT40



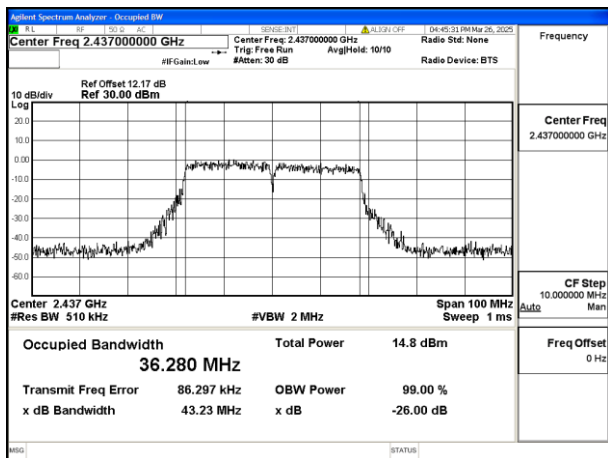
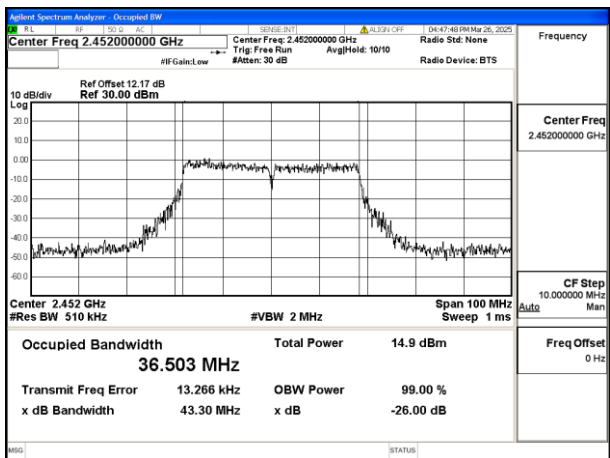
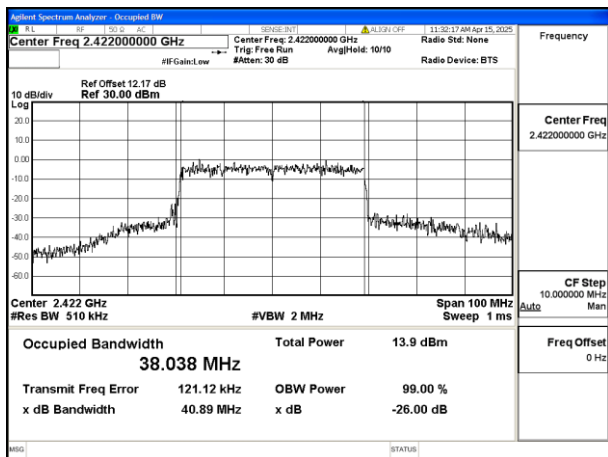
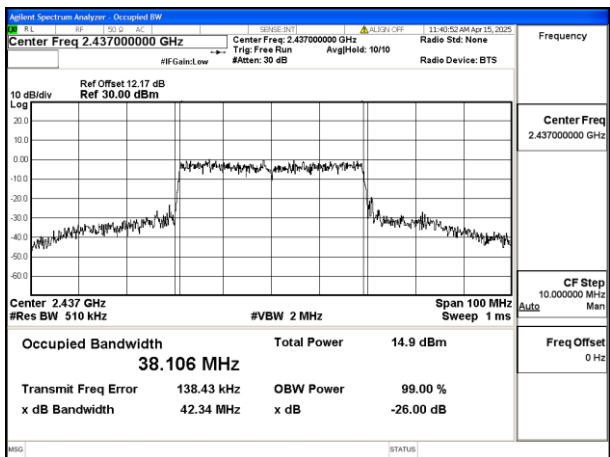
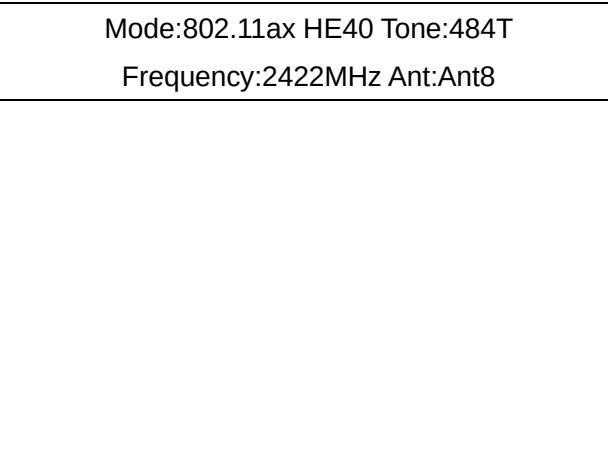
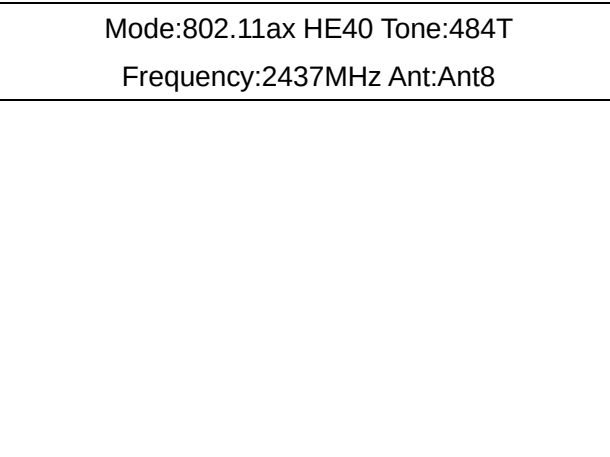
Mode:802.11n HT40 Frequency:2422MHz
Ant:Ant8



Mode:802.11n HT40 Frequency:2437MHz
Ant:Ant8

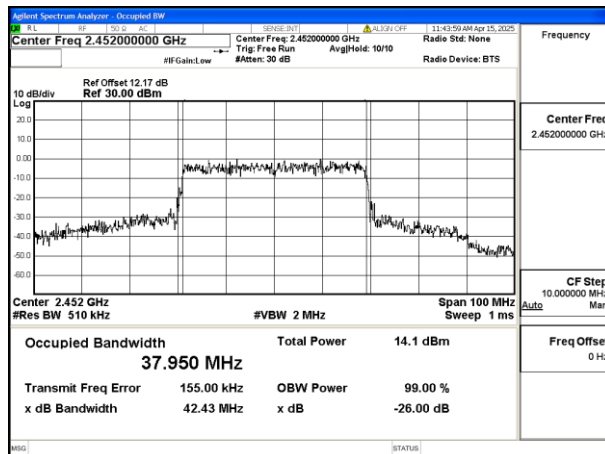




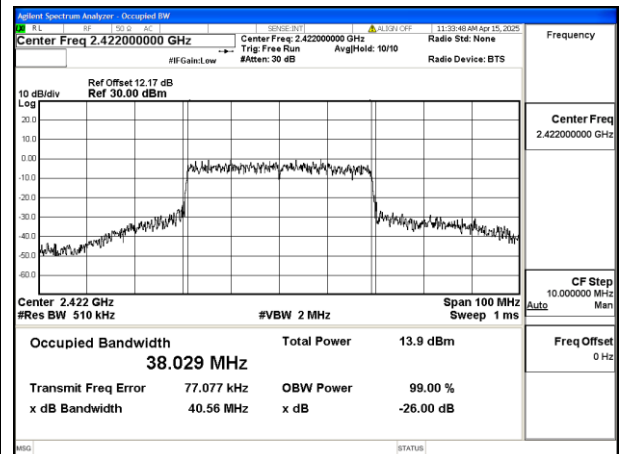
Mode:802.11n HT40 Frequency:2452MHz Ant:Ant8  Center Freq 2.437000000 GHz Center Freq 2.437000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Man Freq Offset 0 Hz Occupied Bandwidth 36.280 MHz Total Power 14.8 dBm Transmit Freq Error 86.297 kHz OBW Power 99.00 % x dB Bandwidth 43.23 MHz x dB -26.00 dB	Mode:802.11n HT40 Frequency:2422MHz Ant:Ant4  Center Freq 2.452000000 GHz Center Freq 2.452000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Man Freq Offset 0 Hz Occupied Bandwidth 36.503 MHz Total Power 14.9 dBm Transmit Freq Error 13.266 kHz OBW Power 99.00 % x dB Bandwidth 43.30 MHz x dB -26.00 dB
Mode:802.11n HT40 Frequency:2437MHz Ant:Ant4  Center Freq 2.422000000 GHz Center Freq 2.422000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Man Freq Offset 0 Hz Occupied Bandwidth 38.038 MHz Total Power 13.9 dBm Transmit Freq Error 121.12 kHz OBW Power 99.00 % x dB Bandwidth 40.89 MHz x dB -26.00 dB	Mode:802.11n HT40 Frequency:2452MHz Ant:Ant4  Center Freq 2.437000000 GHz Center Freq 2.437000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Man Freq Offset 0 Hz Occupied Bandwidth 38.106 MHz Total Power 14.9 dBm Transmit Freq Error 138.43 kHz OBW Power 99.00 % x dB Bandwidth 42.34 MHz x dB -26.00 dB
Test Mode: 802.11ax HE40 Mode:802.11ax HE40 Tone:484T Frequency:2422MHz Ant:Ant8  Center Freq 2.422000000 GHz Center Freq 2.422000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Man Freq Offset 0 Hz Occupied Bandwidth 38.038 MHz Total Power 13.9 dBm Transmit Freq Error 121.12 kHz OBW Power 99.00 % x dB Bandwidth 40.89 MHz x dB -26.00 dB	Mode:802.11ax HE40 Tone:484T Frequency:2437MHz Ant:Ant8  Center Freq 2.437000000 GHz Center Freq 2.437000000 GHz Ref Offset 12.17 dB Ref 30.00 dBm #IFGainLow #VBW 2 MHz Span 100 MHz Sweep 1 ms CF Step 10.000000 MHz Man Freq Offset 0 Hz Occupied Bandwidth 38.106 MHz Total Power 14.9 dBm Transmit Freq Error 138.43 kHz OBW Power 99.00 % x dB Bandwidth 42.34 MHz x dB -26.00 dB



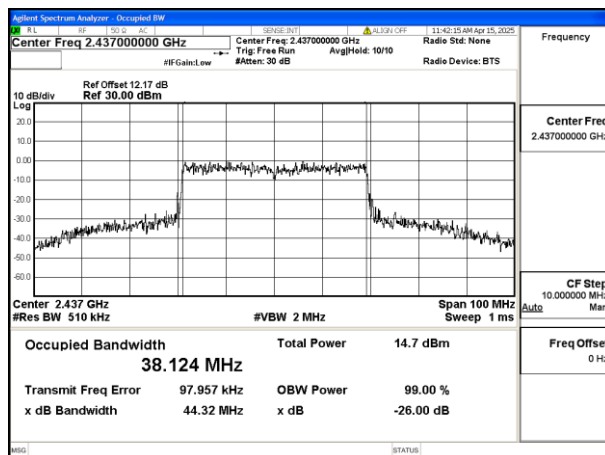
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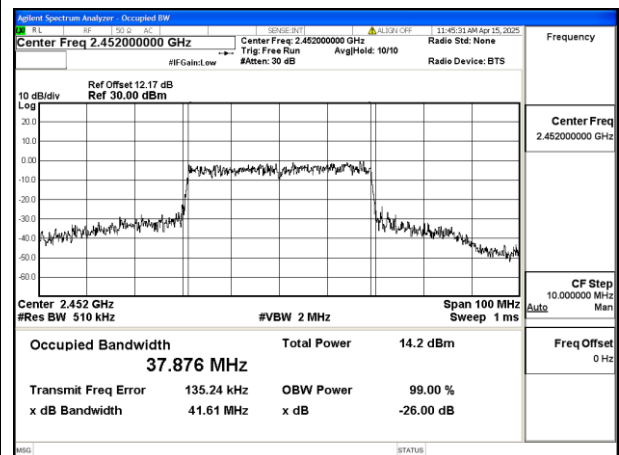
Mode:802.11ax HE40 Tone:484T
Frequency:2452MHz Ant:Ant8



Mode:802.11ax HE40 Tone:484T
Frequency:2422MHz Ant:Ant4



Mode:802.11ax HE40 Tone:484T
Frequency:2437MHz Ant:Ant4

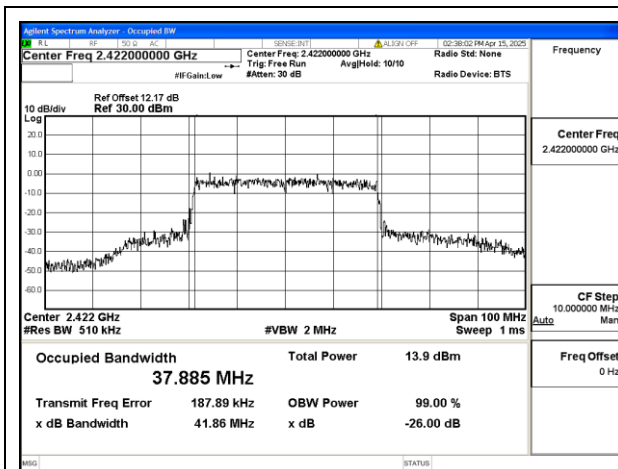


Mode:802.11ax HE40 Tone:484T
Frequency:2452MHz Ant:Ant4

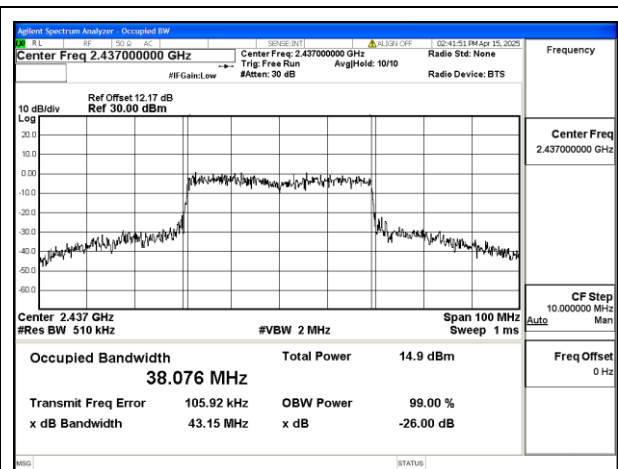


BUREAU VERITAS Test Report No.: PSU-NQN2504150110RF07

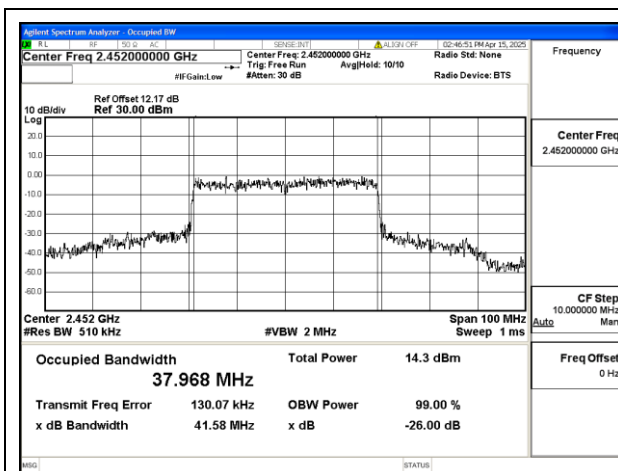
Test Mode: 802.11be HE40



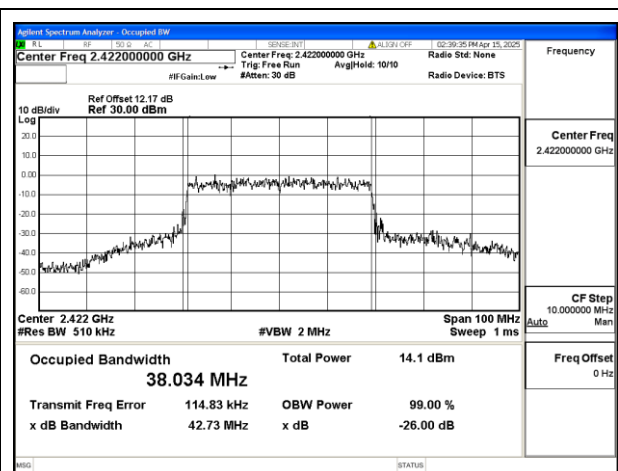
Mode:802.11be HE40 Tone:484T
Frequency:2422MHz Ant:Ant8



Mode:802.11be HE40 Tone:484T
Frequency:2437MHz Ant:Ant8



Mode:802.11be HE40 Tone:484T
Frequency:2452MHz Ant:Ant8

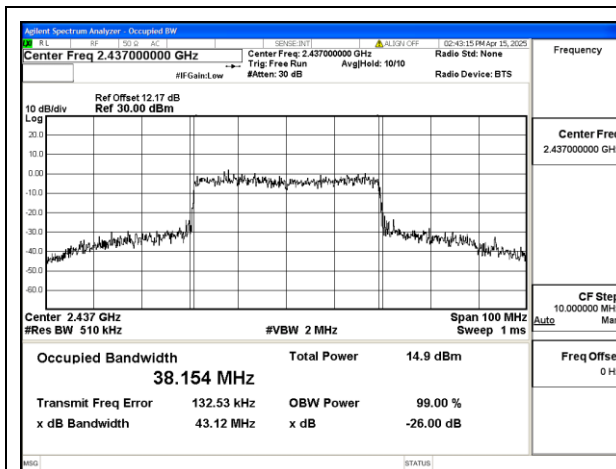


Mode:802.11be HE40 Tone:484T
Frequency:2422MHz Ant:Ant4

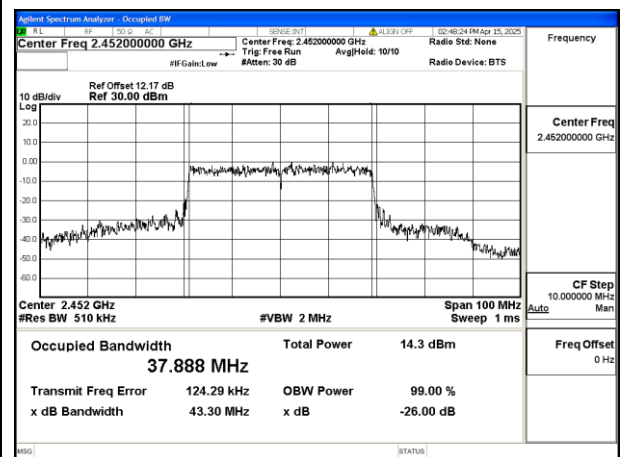


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Test Report No.: PSU-NQN2504150110RF07

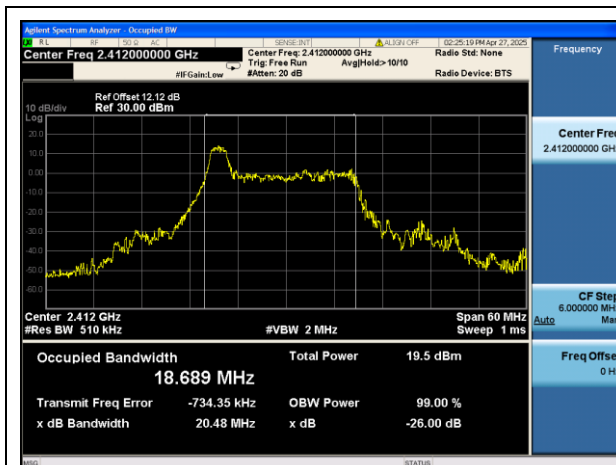


Mode:802.11be HE40 Tone:484T
Frequency:2437MHz Ant:Ant4

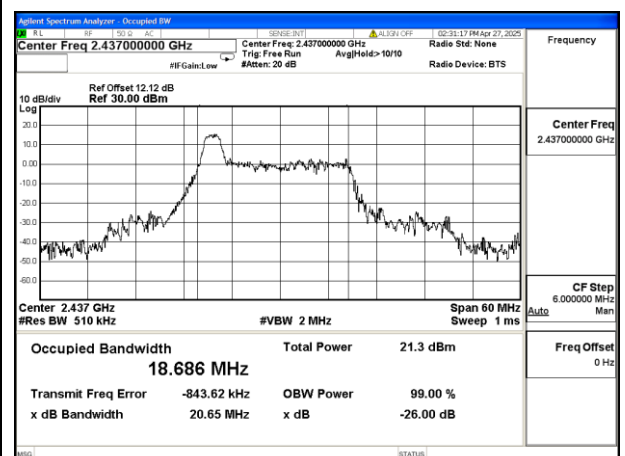


Mode:802.11be HE40 Tone:484T
Frequency:2452MHz Ant:Ant4

Test Mode: 802.11ax HE20 26T



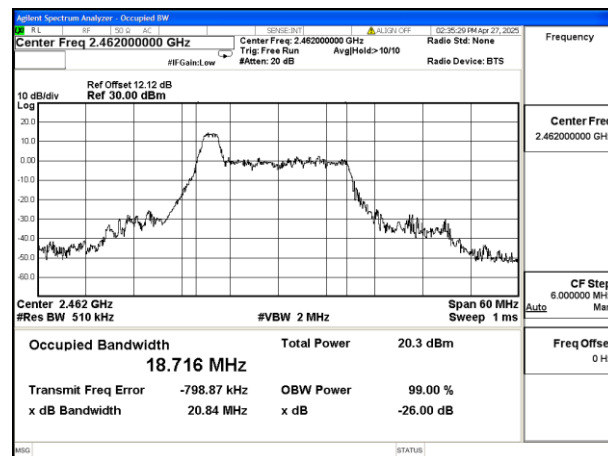
Mode:802.11ax HE20 Tone:26T Frequency:2412MHz
Ant:Chain0



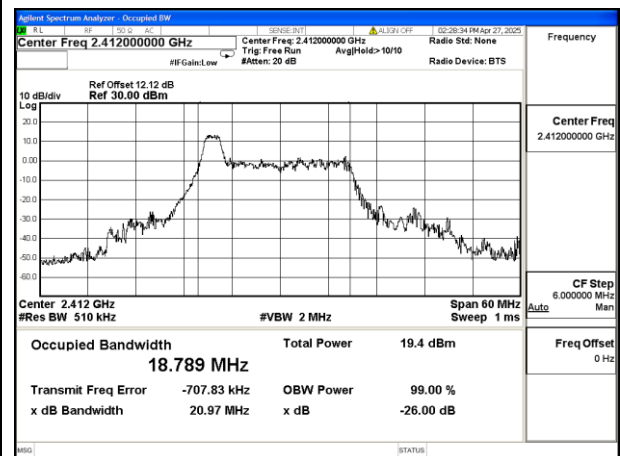
Mode:802.11ax HE20 Tone:26T Frequency:2437MHz
Ant:Chain0



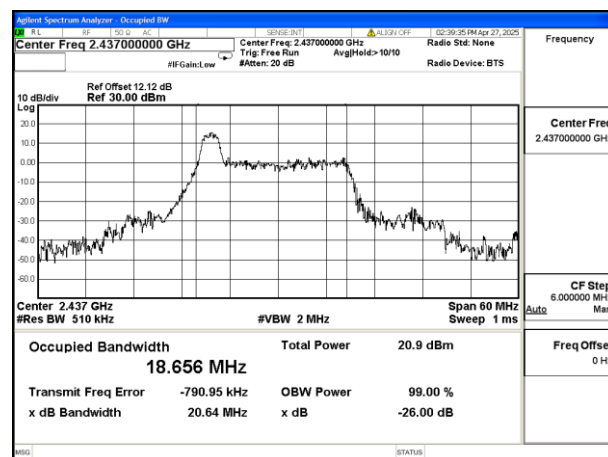
BUREAU VERITAS Test Report No.: PSU-NQN2504150110RF07



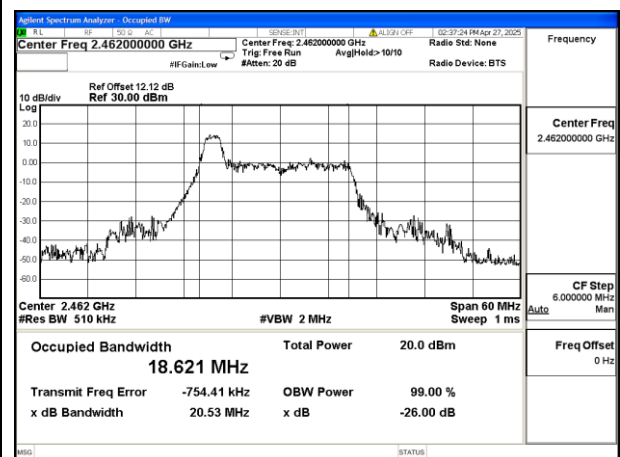
Mode:802.11ax HE20 Tone:26T Frequency:2462MHz
Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:2412MHz
Ant:Chain1



Mode:802.11ax HE20 Tone:26T Frequency:2437MHz
Ant:Chain1



Mode:802.11ax HE20 Tone:26T Frequency:2462MHz
Ant:Chain1

**Transmitter Power Spectral Density**

Test Mode	Antenna	Tones	Power Density(dBm/3KHz)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11b	Ant8	NA	-11.673	-11.688	-10.991
802.11b	Ant4	NA	-11.293	-11.165	-11.627
802.11g	Ant8	NA	-14.692	-14.357	-14.918
802.11g	Ant4	NA	-13.260	-14.100	-15.124
802.11n HT20	Ant8	NA	-14.533	-15.025	-14.730
802.11n HT20	Ant4	NA	-13.902	-14.417	-15.319
802.11n HT20	MIMO	NA	-11.196	-11.700	-12.004
802.11ax HE20	Ant8	26T	-9.505	-8.296	-9.314
802.11ax HE20	Ant4	26T	-9.962	-8.793	-9.643
802.11ax HE20	MIMO	26T	-6.717	-5.527	-6.465
802.11ax HE20	Ant8	52T	-11.684	-11.213	-11.553
802.11ax HE20	Ant4	52T	-12.502	-10.301	-11.991
802.11ax HE20	MIMO	52T	-9.063	-7.723	-8.756
802.11ax HE20	Ant8	106T	-15.348	-13.332	-14.444
802.11ax HE20	Ant4	106T	-15.469	-13.813	-15.020
802.11ax HE20	MIMO	106T	-12.398	-10.556	-11.712
802.11ax HE20	Ant8	242T	-16.642	-15.841	-15.581



802.11ax HE20	Ant4	242T	-17.646	-15.409	-16.581
802.11ax HE20	MIMO	242T	-14.105	-12.609	-13.042
802.11be HE20	Ant8	26T	-9.369	-8.119	-9.292
802.11be HE20	Ant4	26T	-10.002	-8.226	-8.875
802.11be HE20	MIMO	26T	-6.664	-5.162	-6.068
802.11be HE20	Ant8	52T	-12.804	-11.079	-11.750
802.11be HE20	Ant4	52T	-12.650	-11.485	-11.963
802.11be HE20	MIMO	52T	-9.716	-8.267	-8.845
802.11be HE20	Ant8	106T	-15.672	-13.699	-14.935
802.11be HE20	Ant4	106T	-15.581	-14.506	-15.224
802.11be HE20	MIMO	106T	-12.616	-11.073	-12.067
802.11be HE20	Ant8	242T	-14.964	-14.928	-15.202
802.11be HE20	Ant4	242T	-14.575	-13.889	-15.676
802.11be HE20	MIMO	242T	-11.755	-11.367	-12.422
802.11be HE20	Ant8	26+52	-12.843	-12.727	-13.357
802.11be HE20	Ant4	26+52	-14.038	-11.384	-12.869
802.11be HE20	MIMO	26+52	-10.389	-8.993	-10.096
802.11be	Ant8	26+106	-15.729	-14.772	-15.062



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HE20					
802.11be HE20	Ant4	26+106	-15.517	-14.303	-15.258
802.11be HE20	MIMO	26+106	-12.611	-11.521	-12.149



Test Mode	Antenna	Tones	Power Density(dBm/3KHz)		
			Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11n HT40	Ant8	NA	-17.879	-17.268	-17.708
802.11n HT40	Ant4	NA	-17.751	-17.063	-16.766
802.11n HT40	MIMO	NA	-14.804	-14.154	-14.201
802.11ax HE40	Ant8	26T	-9.454	-7.388	-8.408
802.11ax HE40	Ant4	26T	-9.715	-8.499	-8.434
802.11ax HE40	MIMO	26T	-6.572	-4.898	-5.411
802.11ax HE40	Ant8	52T	-13.112	-11.200	-11.327
802.11ax HE40	Ant4	52T	-11.713	-11.749	-12.006
802.11ax HE40	MIMO	52T	-9.346	-8.456	-8.643
802.11ax HE40	Ant8	106T	-15.082	-14.318	-15.516
802.11ax HE40	Ant4	106T	-15.358	-14.137	-15.247
802.11ax HE40	MIMO	106T	-12.208	-11.216	-12.369
802.11ax HE40	Ant8	242T	-16.241	-14.674	-16.062
802.11ax HE40	Ant4	242T	-16.709	-15.858	-16.092
802.11ax HE40	MIMO	242T	-13.458	-12.215	-13.067
802.11ax HE40	Ant8	484T	-18.066	-17.408	-18.380
802.11ax HE40	Ant4	484T	-18.112	-17.338	-18.353

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802.11ax HE40	MIMO	484T	-15.079	-14.363	-15.356
802.11be HE40	Ant8	26T	-9.456	-7.556	-9.160
802.11be HE40	Ant4	26T	-9.673	-8.068	-8.678
802.11be HE40	MIMO	26T	-6.553	-4.794	-5.902
802.11be HE40	Ant8	52T	-11.480	-10.380	-11.315
802.11be HE40	Ant4	52T	-12.754	-10.330	-12.281
802.11be HE40	MIMO	52T	-9.060	-7.345	-8.761
802.11be HE40	Ant8	106T	-14.994	-14.074	-15.336
802.11be HE40	Ant4	106T	-15.323	-14.421	-15.035
802.11be HE40	MIMO	106T	-12.145	-11.234	-12.173
802.11be HE40	Ant8	242T	-16.311	-14.395	-15.382
802.11be HE40	Ant4	242T	-15.076	-14.499	-14.871
802.11be HE40	MIMO	242T	-12.639	-11.436	-12.109
802.11be HE40	Ant8	484T	-18.656	-17.348	-18.073
802.11be HE40	Ant4	484T	-18.526	-17.680	-18.171
802.11be HE40	MIMO	484T	-15.580	-14.501	-15.111
802.11be HE40	Ant8	26+52	-14.225	-12.780	-13.881
802.11be	Ant4	26+52	-13.999	-12.811	-13.695

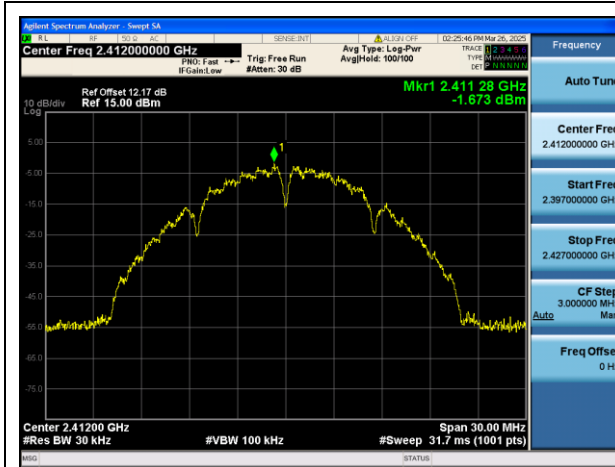


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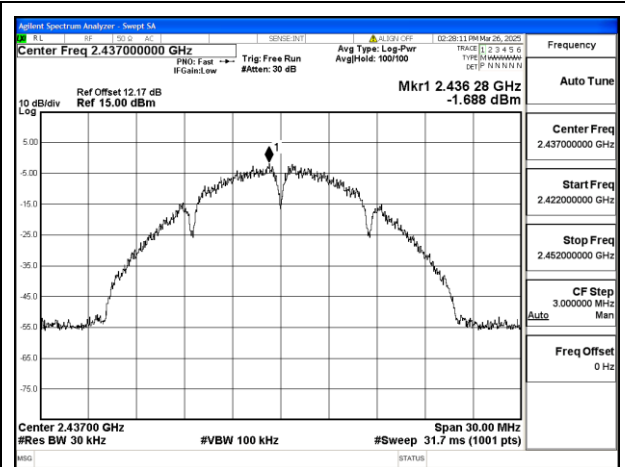
HE40					
802.11be HE40	MIMO	26+52	-11.100	-9.785	-10.777
802.11be HE40	Ant8	26+106	-15.855	-14.951	-15.524
802.11be HE40	Ant4	26+106	-16.025	-14.823	-14.728
802.11be HE40	MIMO	26+106	-12.929	-11.876	-12.097



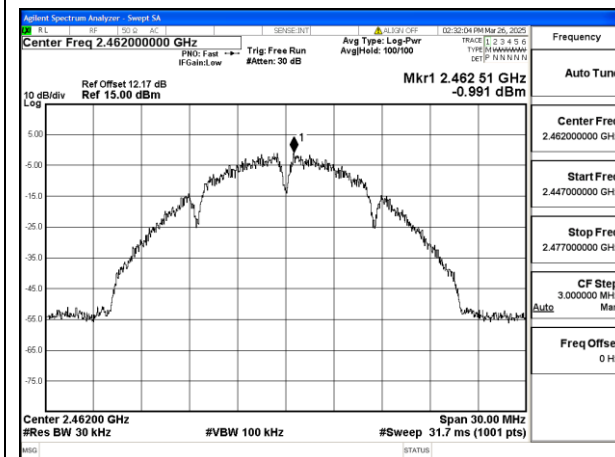
Test Mode: 802.11b



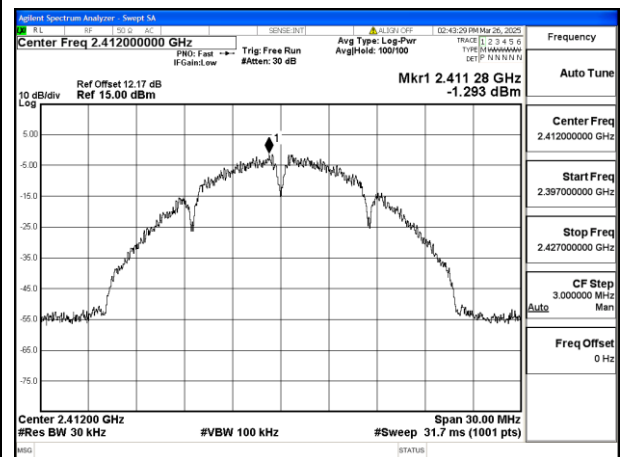
Mode:802.11b Frequency:2412MHz Ant:Ant8



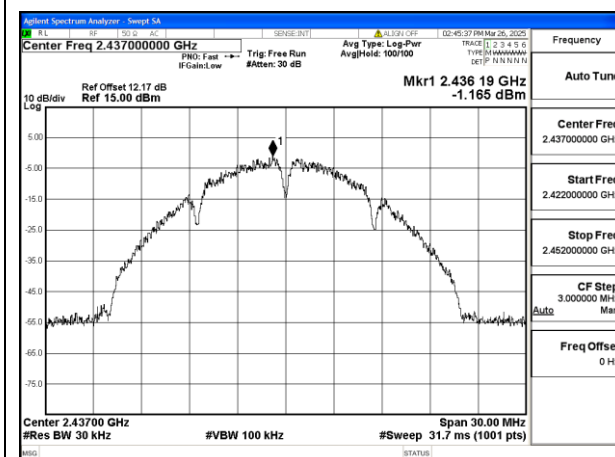
Mode:802.11b Frequency:2437MHz Ant:Ant8



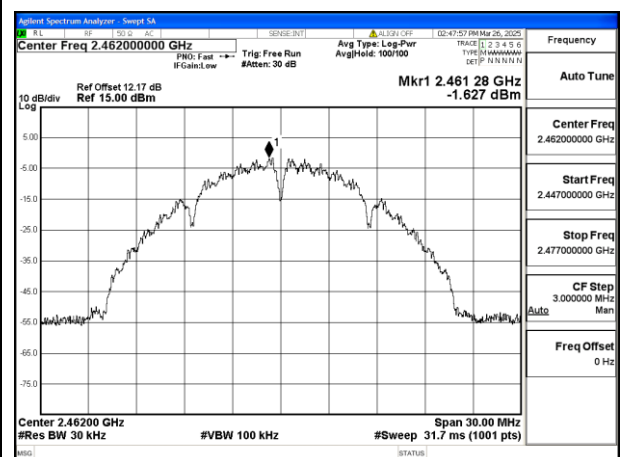
Mode:802.11b Frequency:2462MHz Ant:Ant8



Mode:802.11b Frequency:2412MHz Ant:Ant4



Mode:802.11b Frequency:2437MHz Ant:Ant4

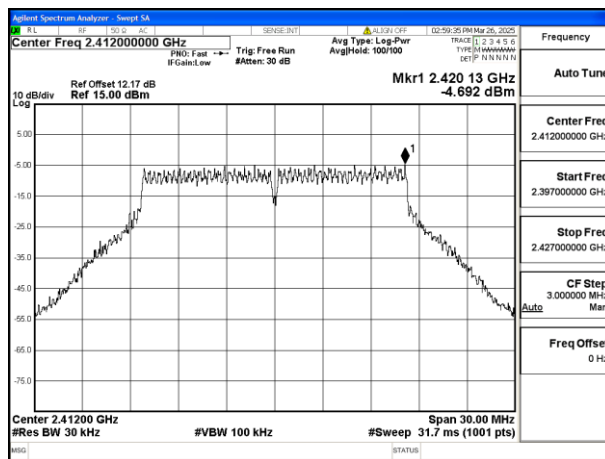


Mode:802.11b Frequency:2462MHz Ant:Ant4

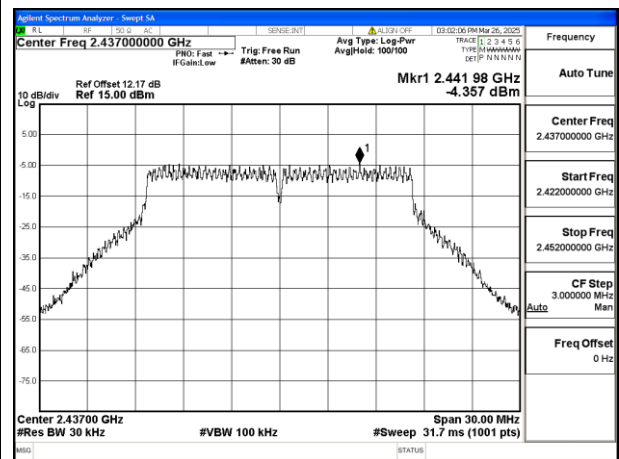
Test Mode: 802.11g



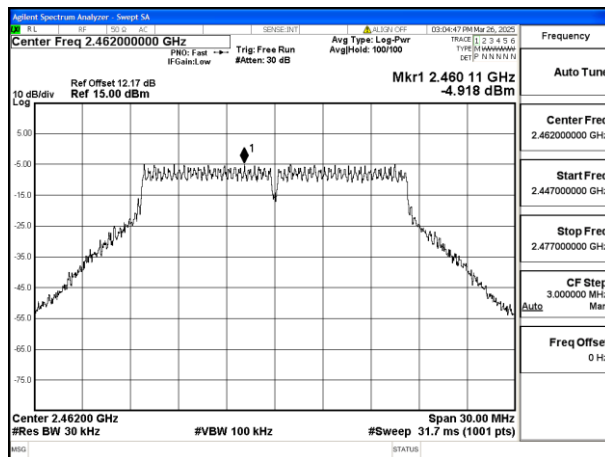
BUREAU VERITAS Test Report No.: PSU-NQN2504150110RF07



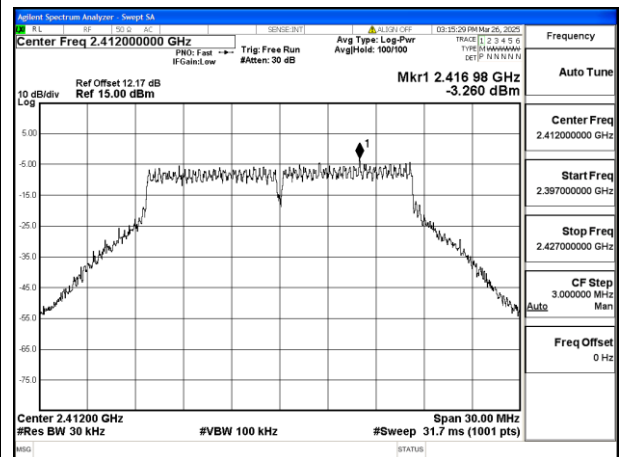
Mode:802.11g Frequency:2412MHz Ant:Ant8



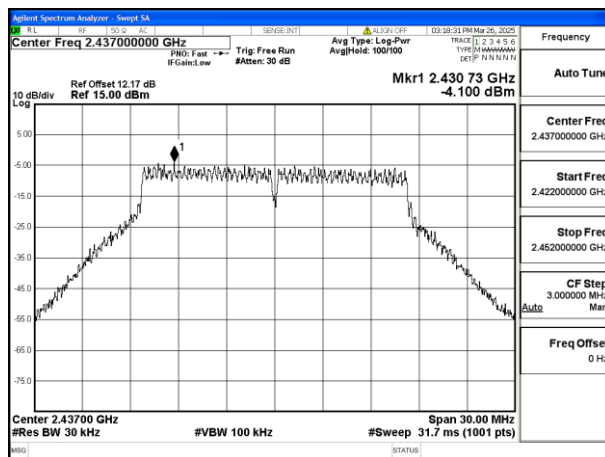
Mode:802.11g Frequency:2437MHz Ant:Ant8



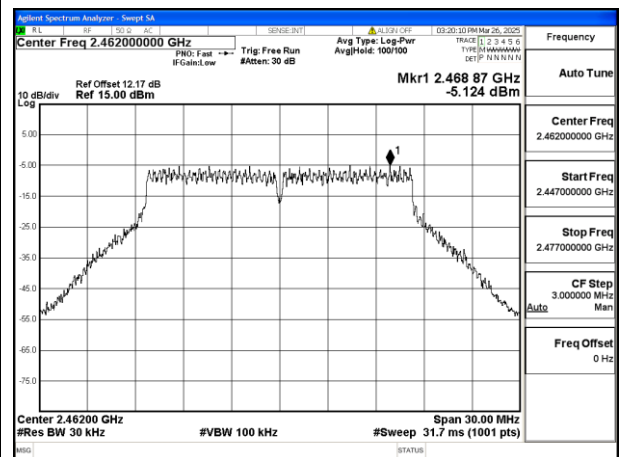
Mode:802.11g Frequency:2462MHz Ant:Ant8



Mode:802.11g Frequency:2412MHz Ant:Ant4



Mode:802.11g Frequency:2437MHz Ant:Ant4

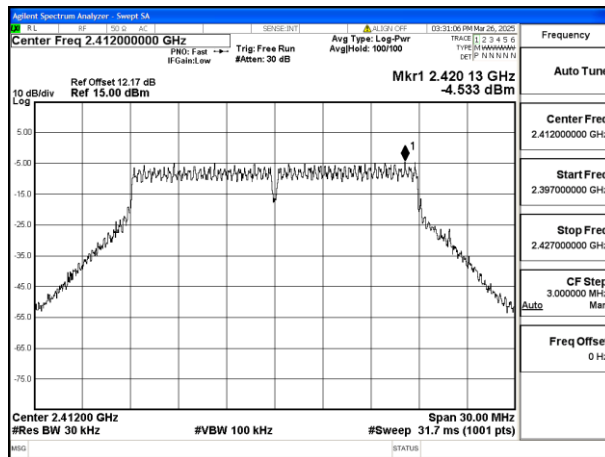


Mode:802.11g Frequency:2462MHz Ant:Ant4

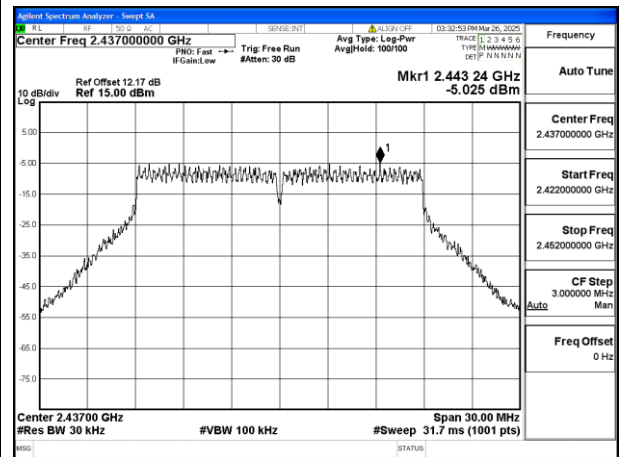
Test Mode: 802.11n HT20



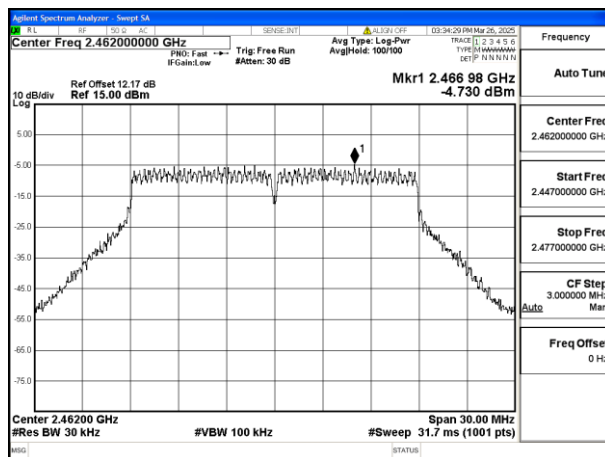
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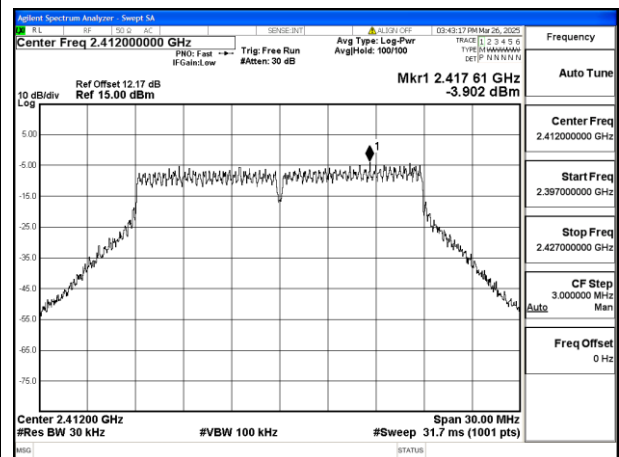
Mode:802.11n HT20 Frequency:2412MHz
Ant:Ant8



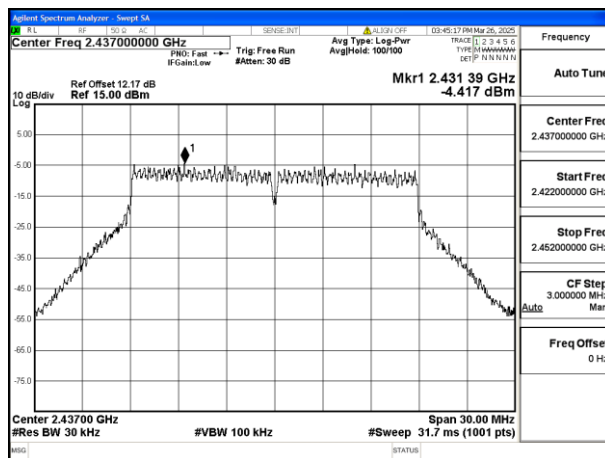
Mode:802.11n HT20 Frequency:2437MHz
Ant:Ant8



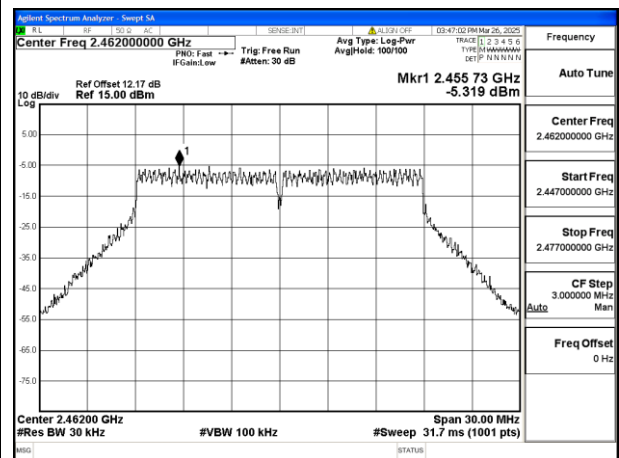
Mode:802.11n HT20 Frequency:2462MHz
Ant:Ant8



Mode:802.11n HT20 Frequency:2412MHz
Ant:Ant4



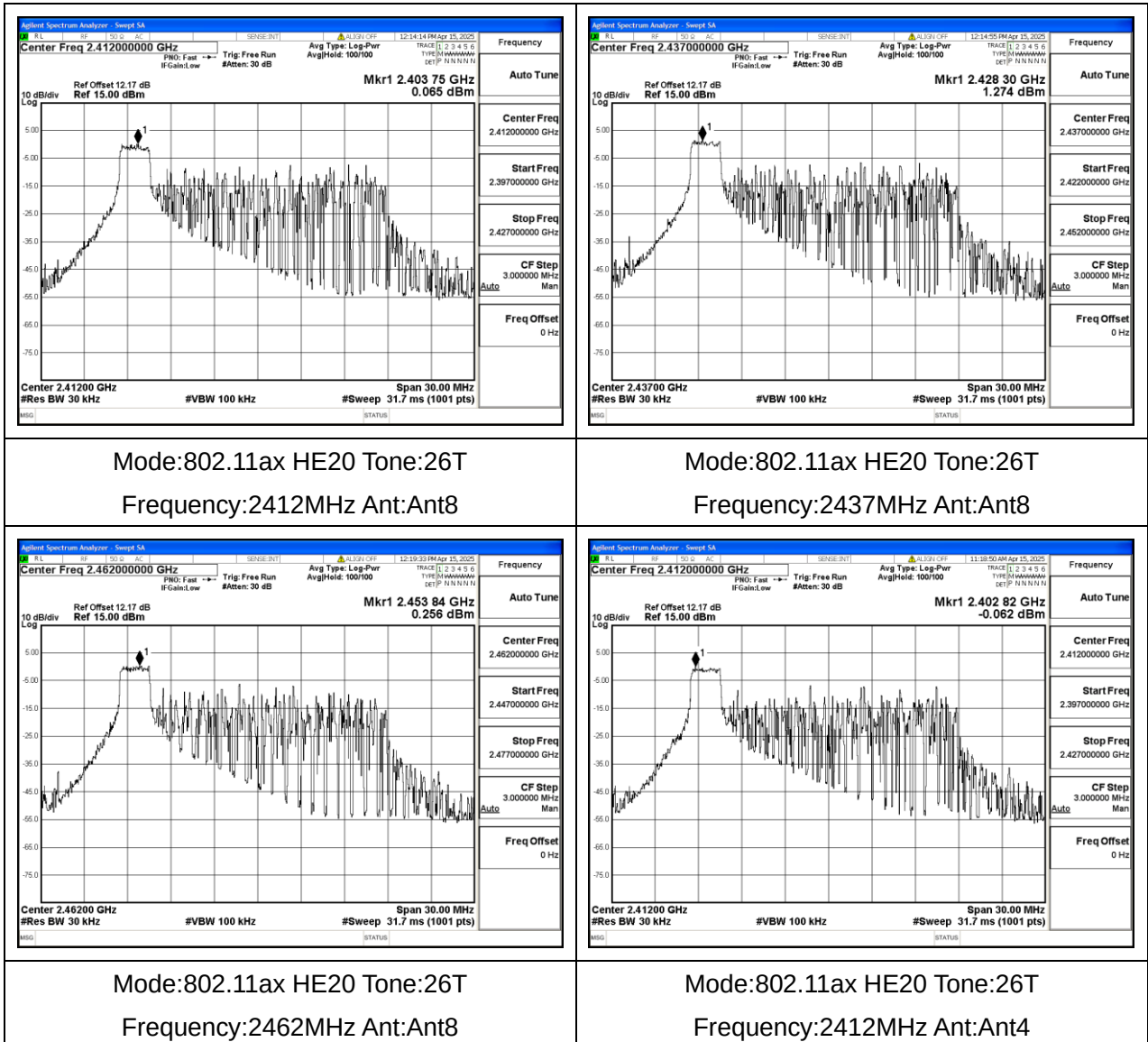
Mode:802.11n HT20 Frequency:2437MHz
Ant:Ant4



Mode:802.11n HT20 Frequency:2462MHz
Ant:Ant4



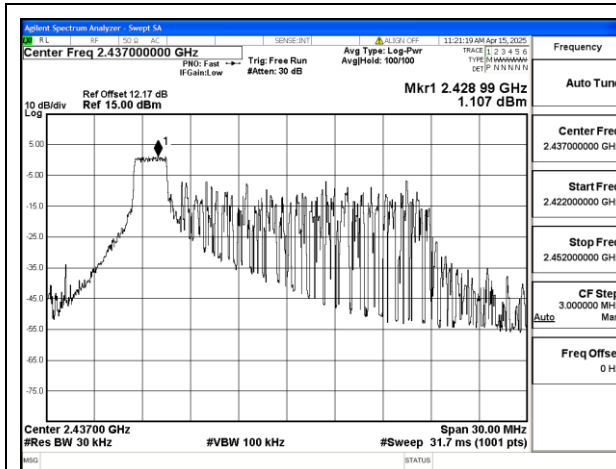
Test Mode: 802.11ax HE20



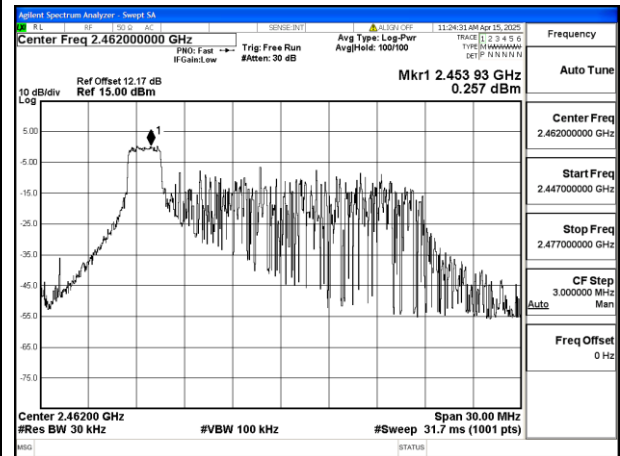


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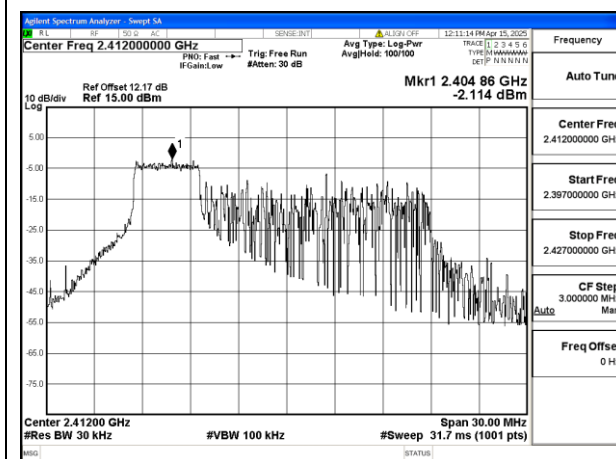
Test Report No.: PSU-NQN2504150110RF07



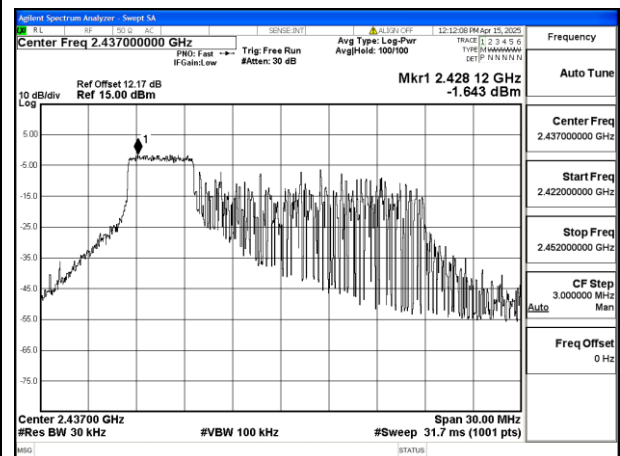
Mode:802.11ax HE20 Tone:26T
Frequency:2437MHz Ant:Ant4



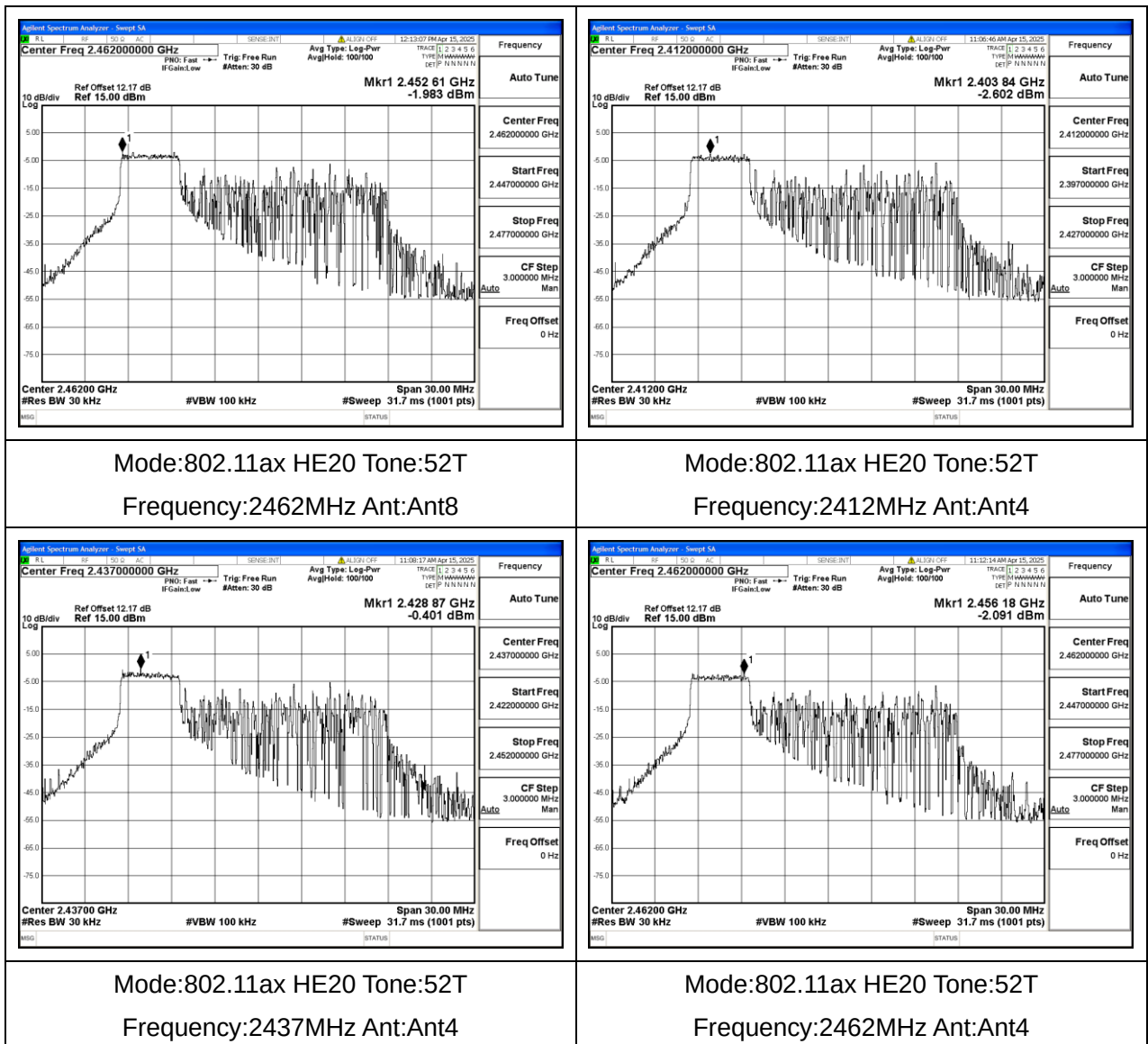
Mode:802.11ax HE20 Tone:26T
Frequency:2462MHz Ant:Ant4



Mode:802.11ax HE20 Tone:52T
Frequency:2412MHz Ant:Ant8



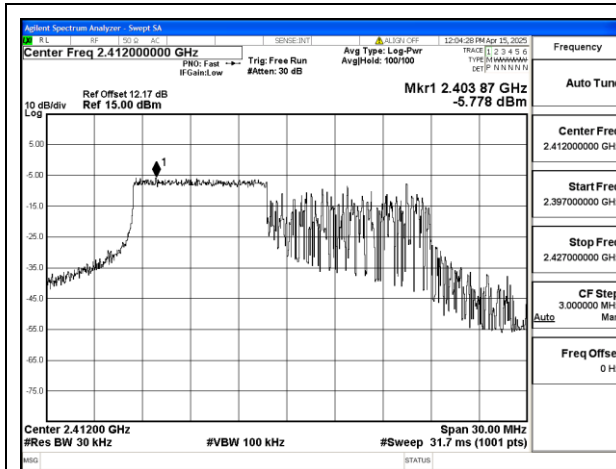
Mode:802.11ax HE20 Tone:52T
Frequency:2437MHz Ant:Ant8



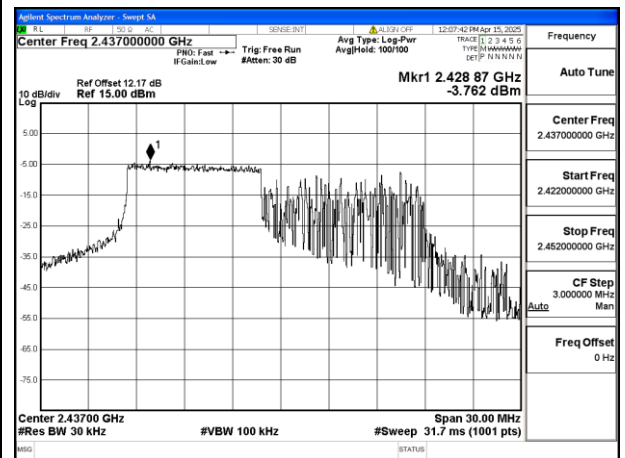


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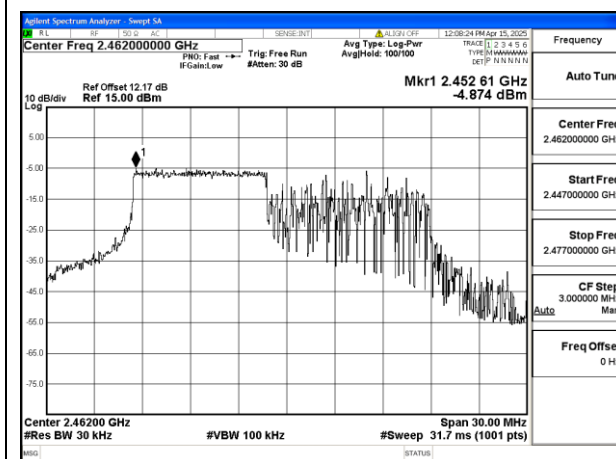
Test Report No.: PSU-NQN2504150110RF07



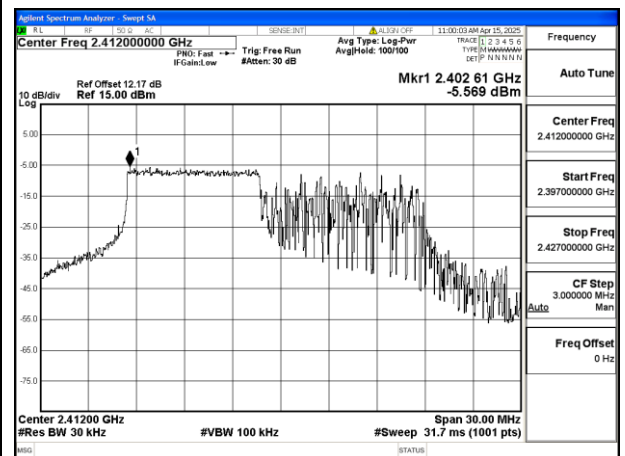
Mode:802.11ax HE20 Tone:106T
Frequency:2412MHz Ant:Ant8



Mode:802.11ax HE20 Tone:106T
Frequency:2437MHz Ant:Ant8



Mode:802.11ax HE20 Tone:106T
Frequency:2462MHz Ant:Ant8

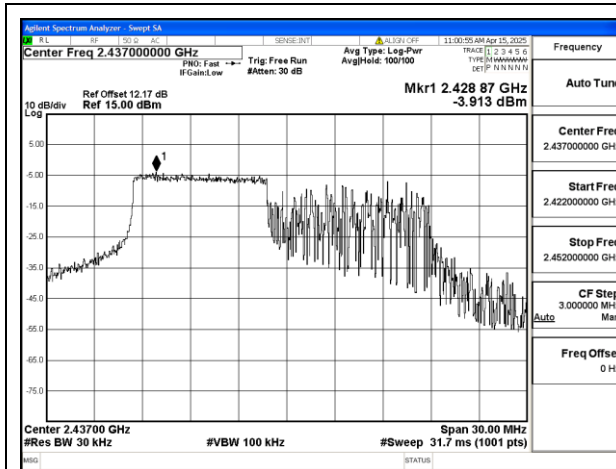


Mode:802.11ax HE20 Tone:106T
Frequency:2412MHz Ant:Ant4

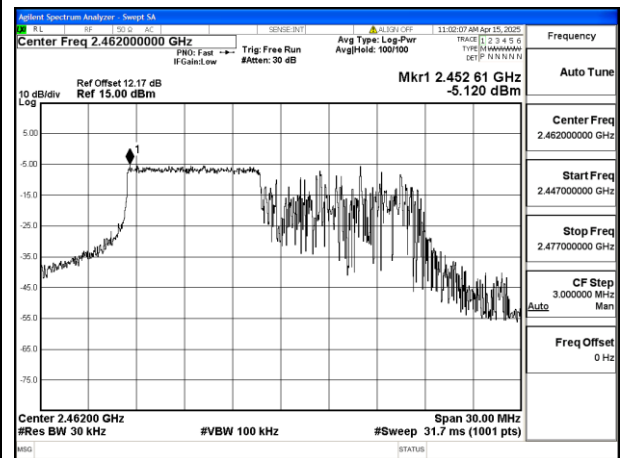


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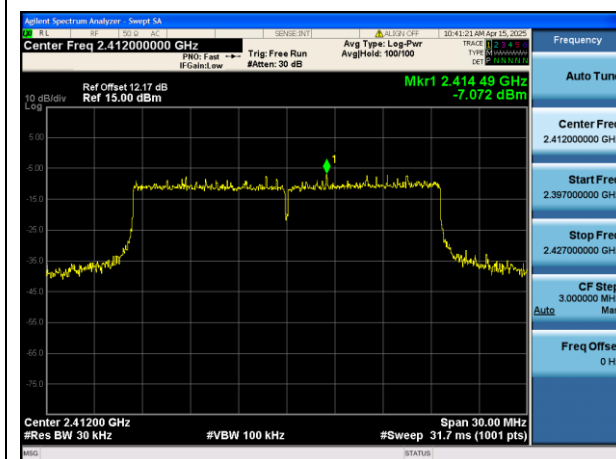
Test Report No.: PSU-NQN2504150110RF07



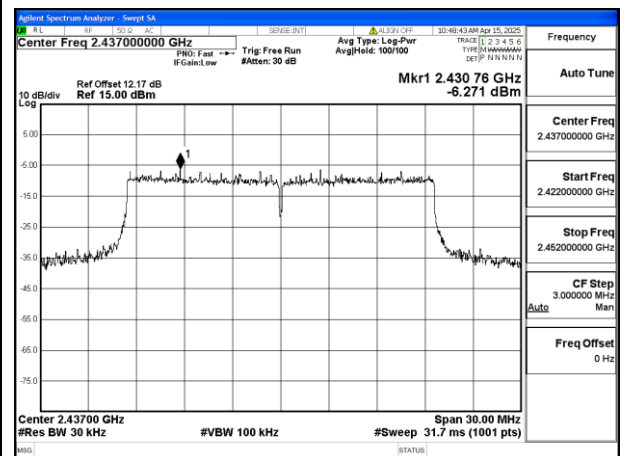
Mode:802.11ax HE20 Tone:106T
Frequency:2437MHz Ant:Ant4



Mode:802.11ax HE20 Tone:106T
Frequency:2462MHz Ant:Ant4



Mode:802.11ax HE20 Tone:242T
Frequency:2412MHz Ant:Ant8

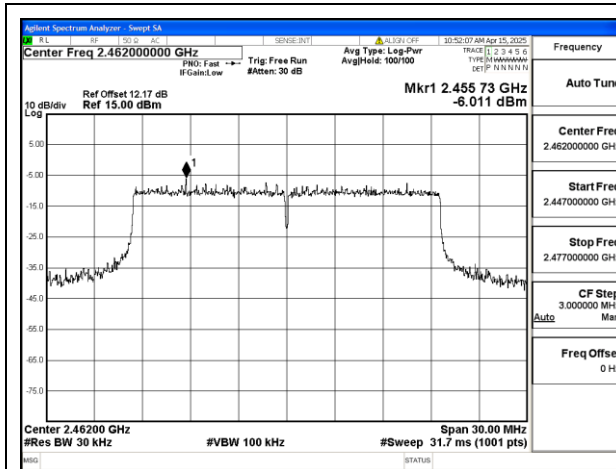


Mode:802.11ax HE20 Tone:242T
Frequency:2437MHz Ant:Ant8

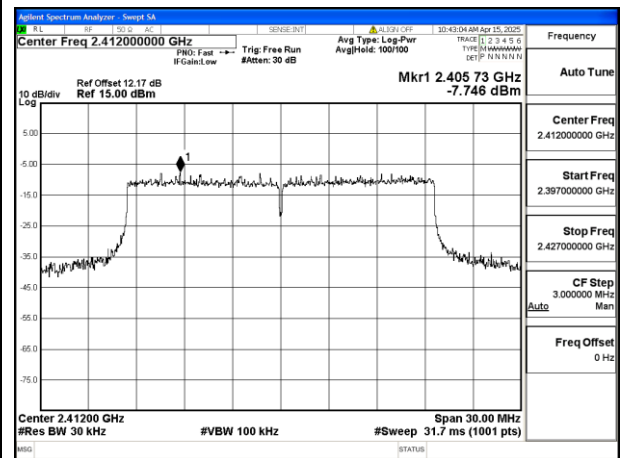


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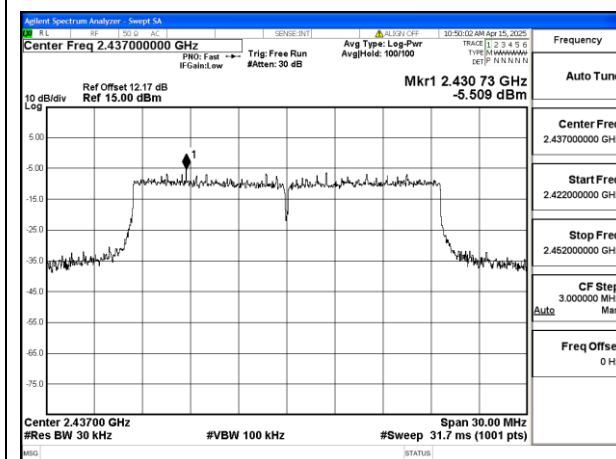
Test Report No.: PSU-NQN2504150110RF07



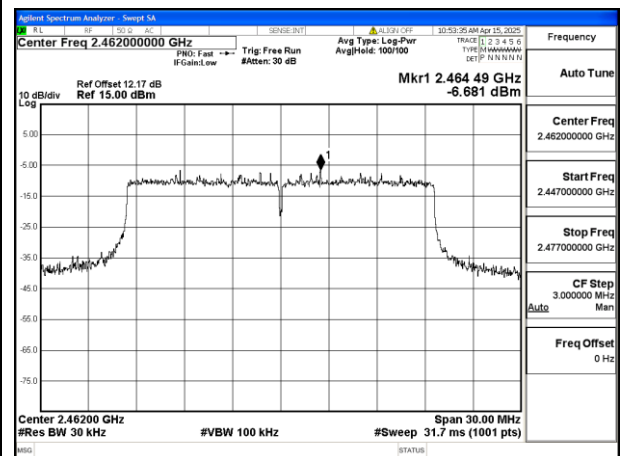
Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Ant8



Mode:802.11ax HE20 Tone:242T
Frequency:2412MHz Ant:Ant4



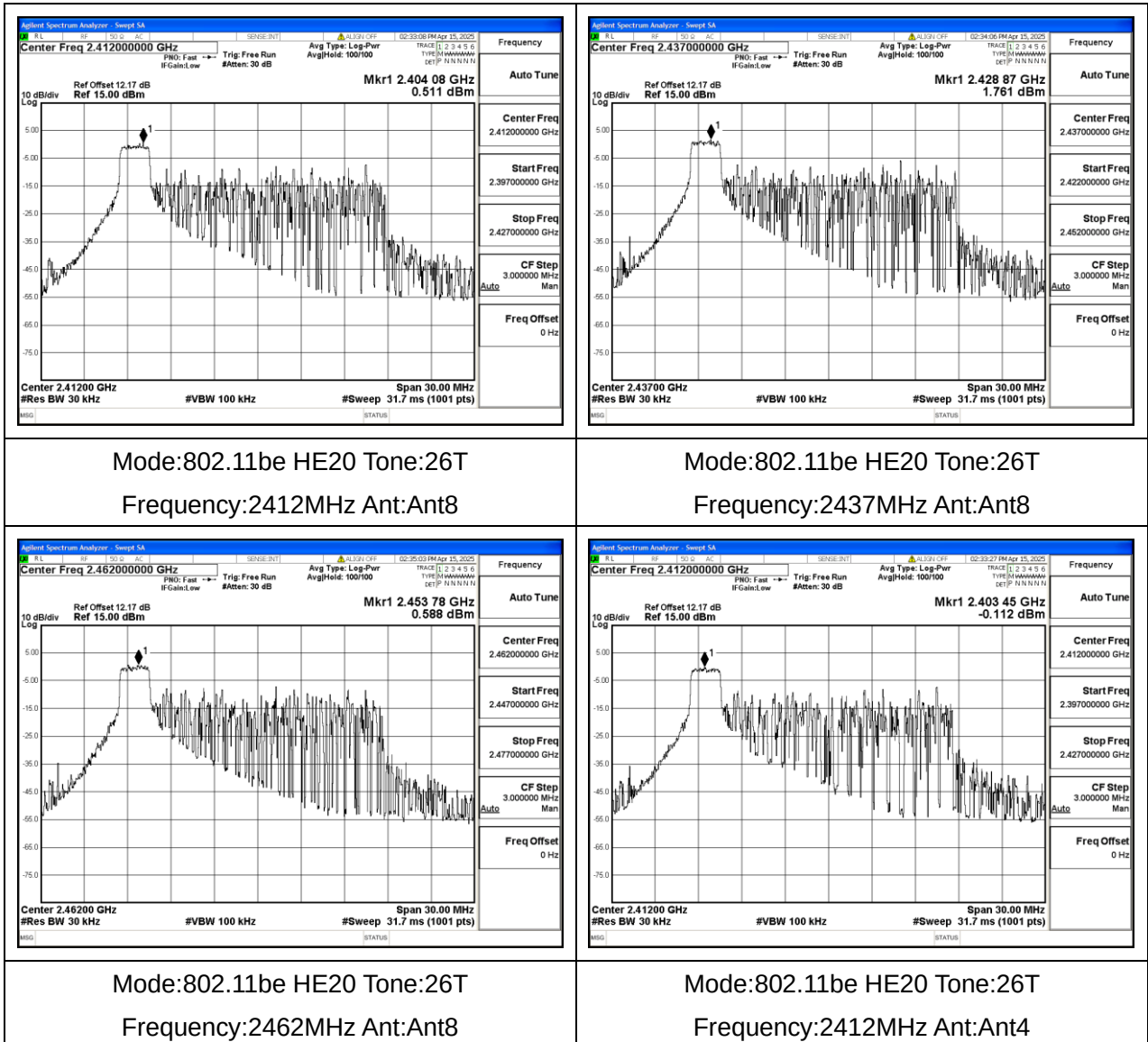
Mode:802.11ax HE20 Tone:242T
Frequency:2437MHz Ant:Ant4

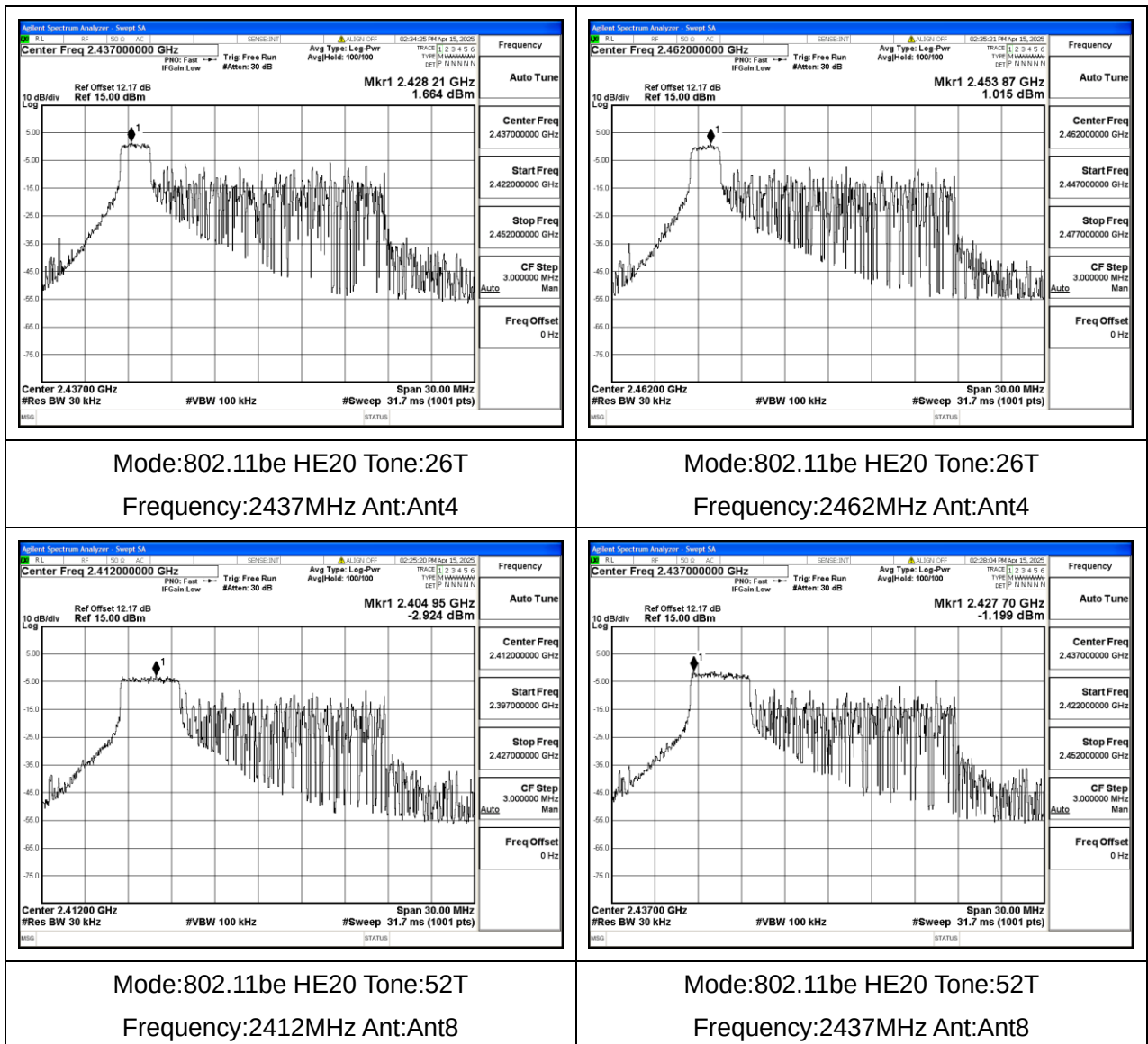


Mode:802.11ax HE20 Tone:242T
Frequency:2462MHz Ant:Ant4



Test Mode: 802.11be HE20

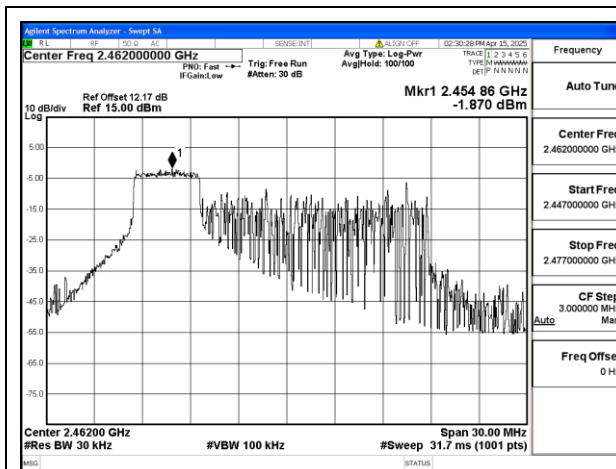




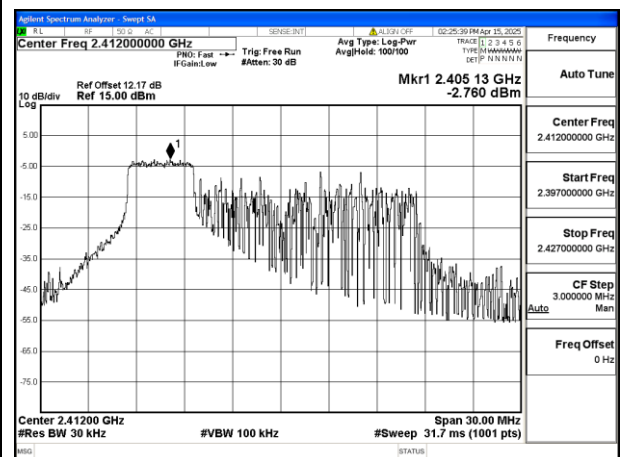


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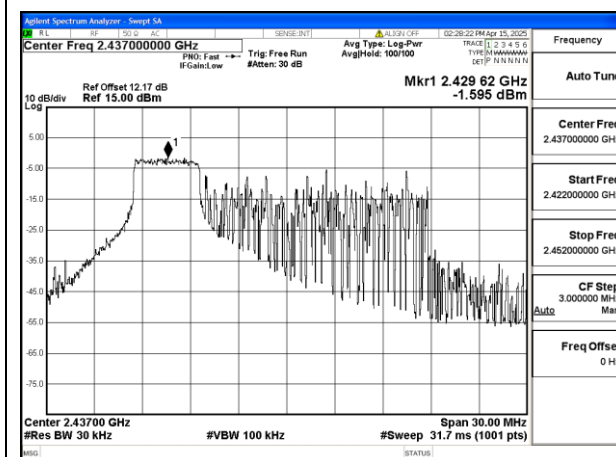
Test Report No.: PSU-NQN2504150110RF07



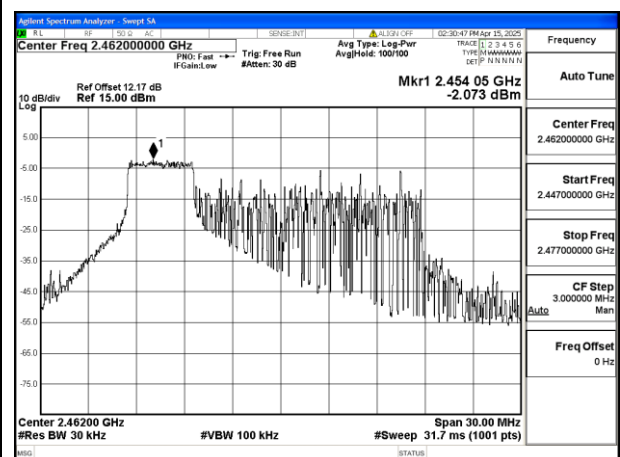
Mode:802.11be HE20 Tone:52T
Frequency:2462MHz Ant:Ant8



Mode:802.11be HE20 Tone:52T
Frequency:2412MHz Ant:Ant4



Mode:802.11be HE20 Tone:52T
Frequency:2437MHz Ant:Ant4

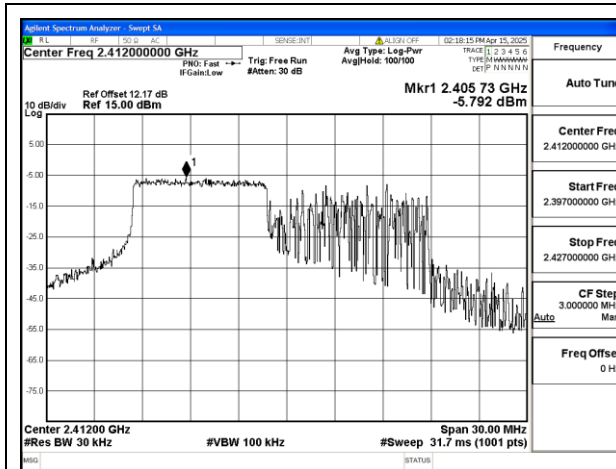


Mode:802.11be HE20 Tone:52T
Frequency:2462MHz Ant:Ant4

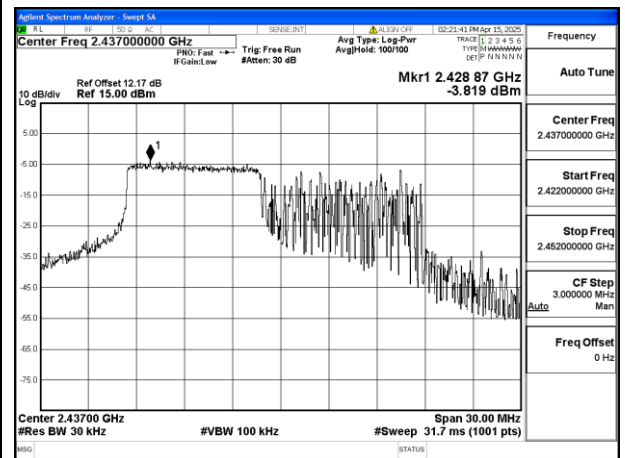


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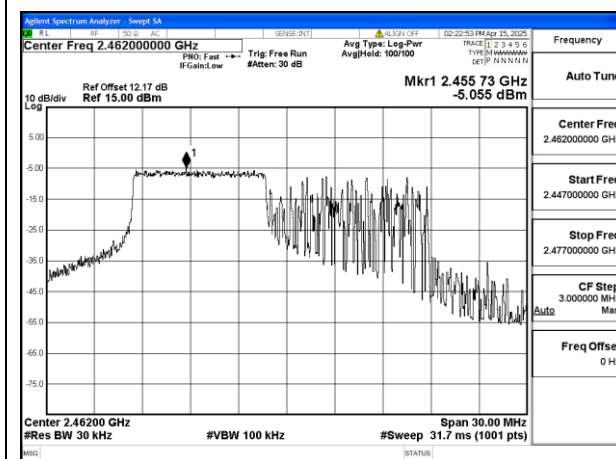
Test Report No.: PSU-NQN2504150110RF07



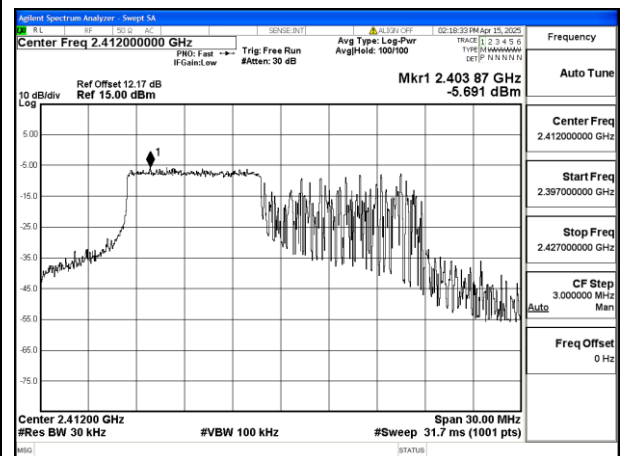
Mode:802.11be HE20 Tone:106T
Frequency:2412MHz Ant:Ant8



Mode:802.11be HE20 Tone:106T
Frequency:2437MHz Ant:Ant8



Mode:802.11be HE20 Tone:106T
Frequency:2462MHz Ant:Ant8



Mode:802.11be HE20 Tone:106T
Frequency:2412MHz Ant:Ant4