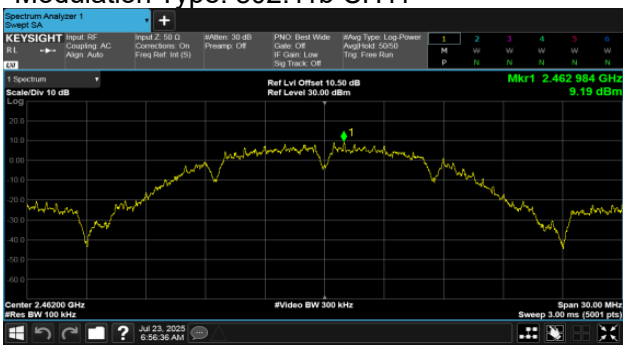
ANT A + C

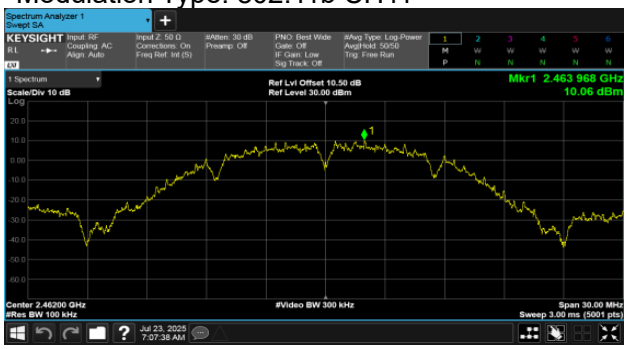
ANT A

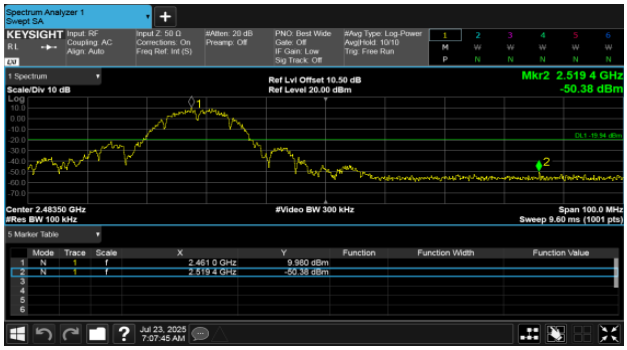
Modulation Type: 802.11b CH11

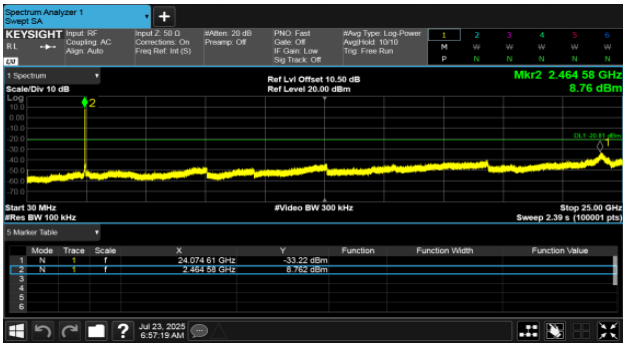


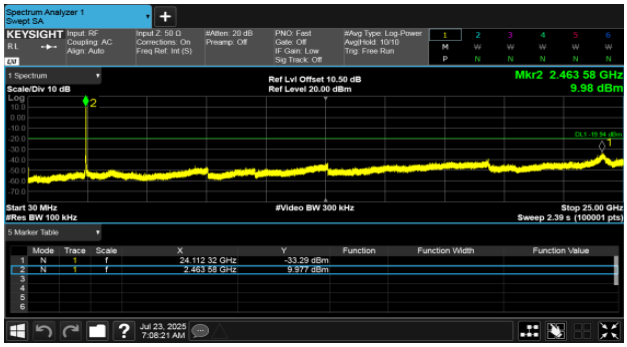
ANT B

Modulation Type: 802.11b CH11





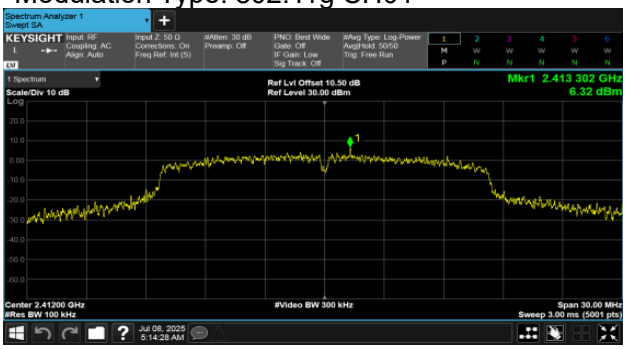




ANT A + C

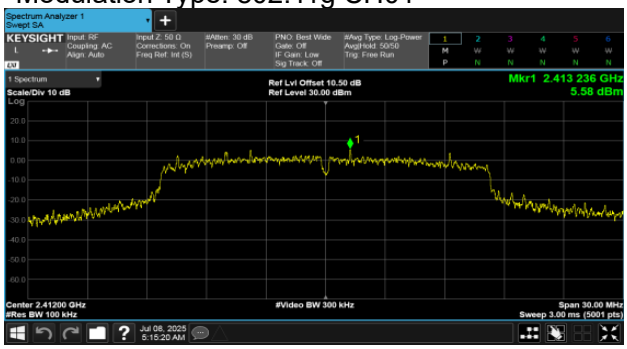
ANT A

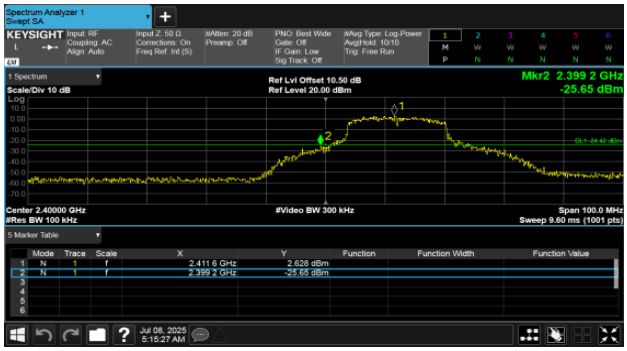
Modulation Type: 802.11g CH01

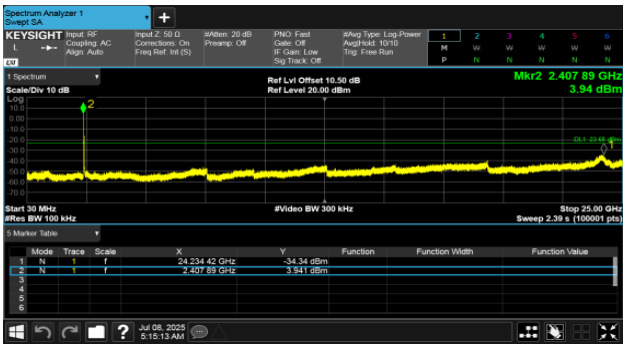


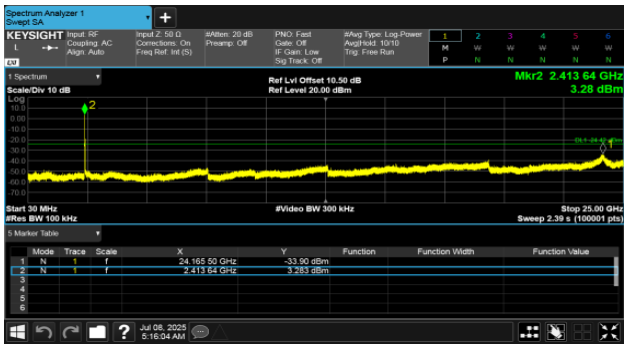
ANT B

Modulation Type: 802.11g CH01





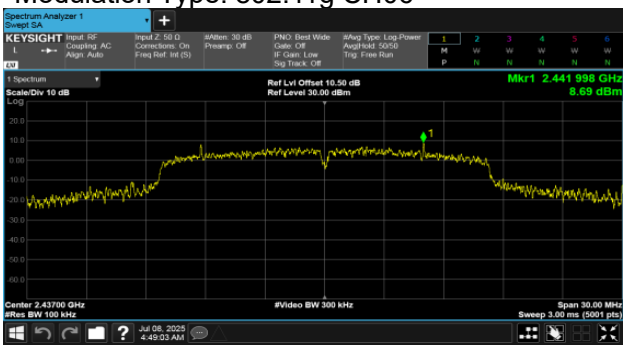




ANT A + C

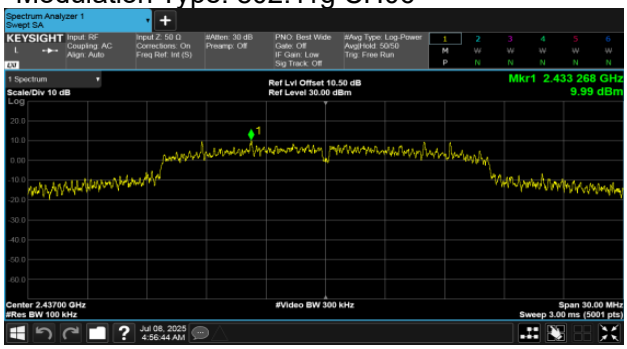
ANT A

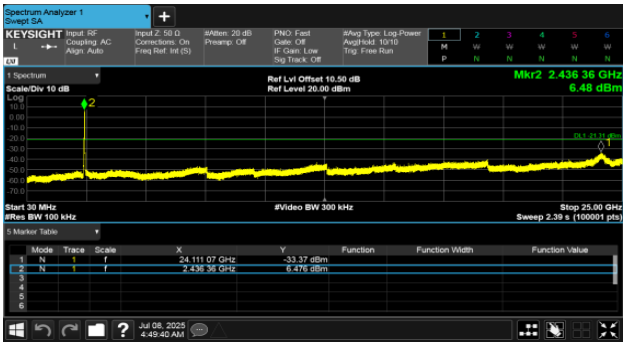
Modulation Type: 802.11g CH06

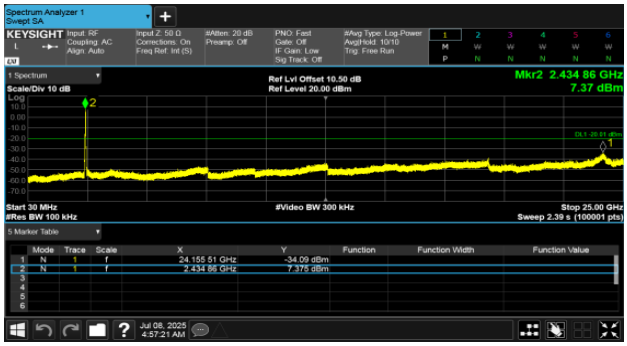


ANT B

Modulation Type: 802.11g CH06



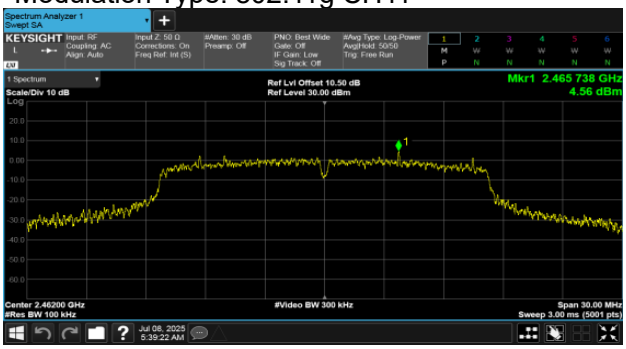




ANT A + C

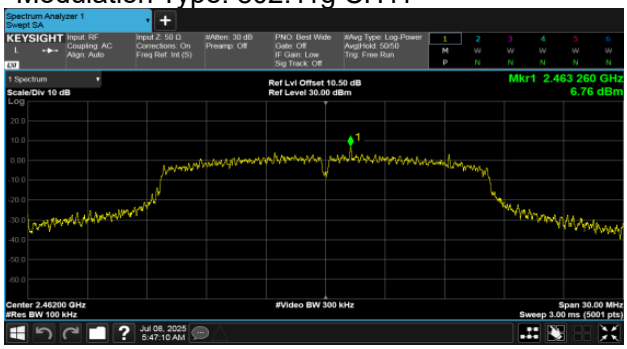
ANT A

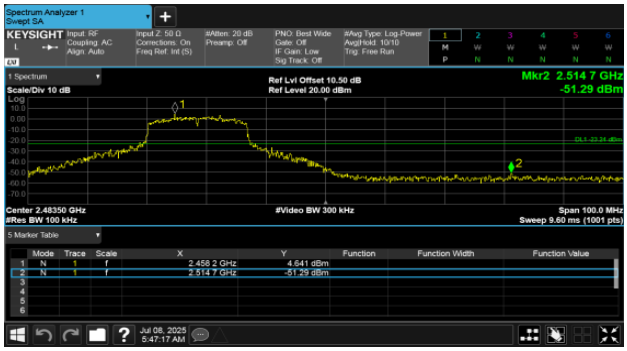
Modulation Type: 802.11g CH11

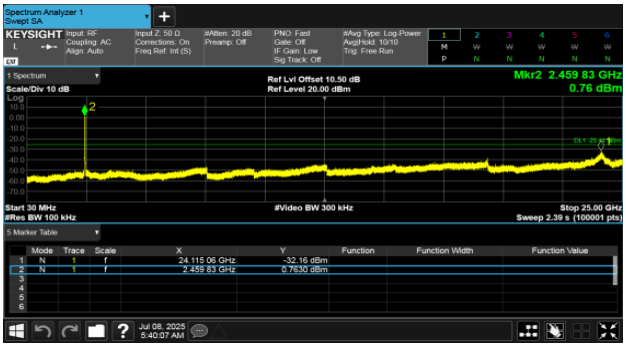


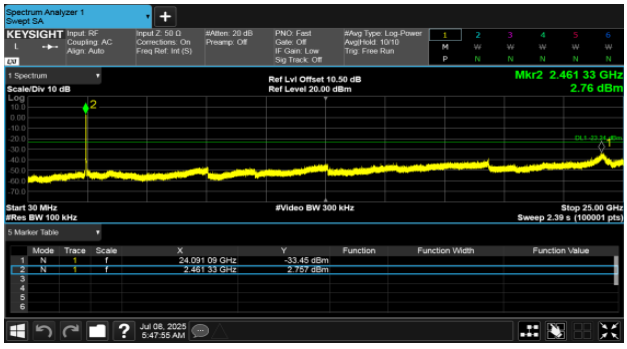
ANT B

Modulation Type: 802.11g CH11

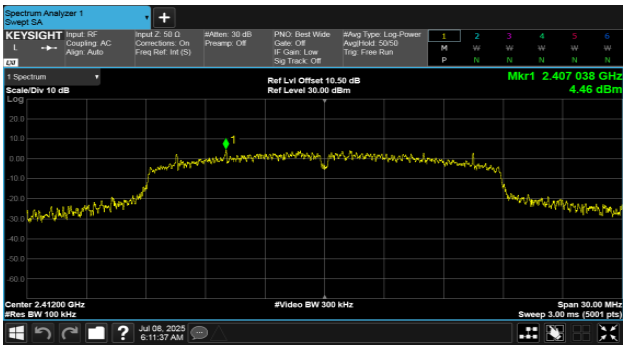




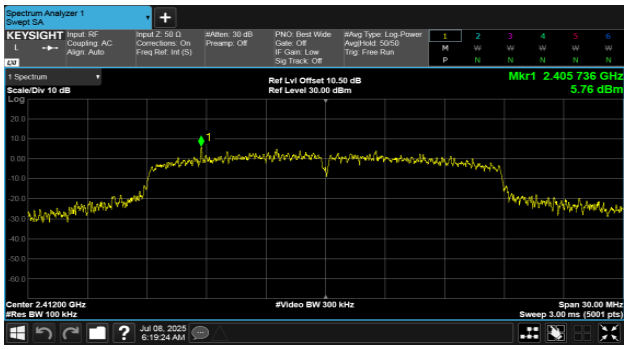


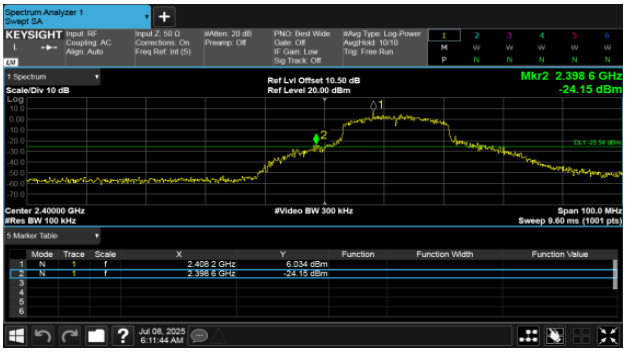


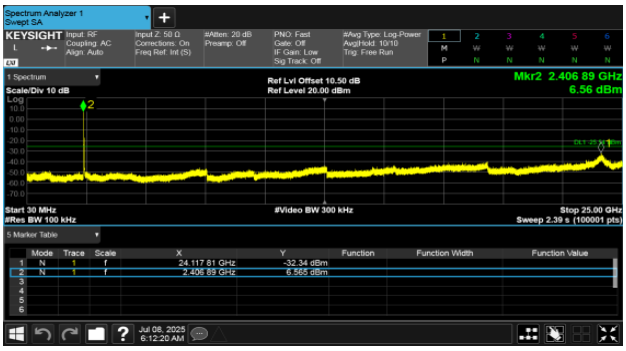
ANT A + C
ANT A
Modulation Type: 802.11n HT20, CH01

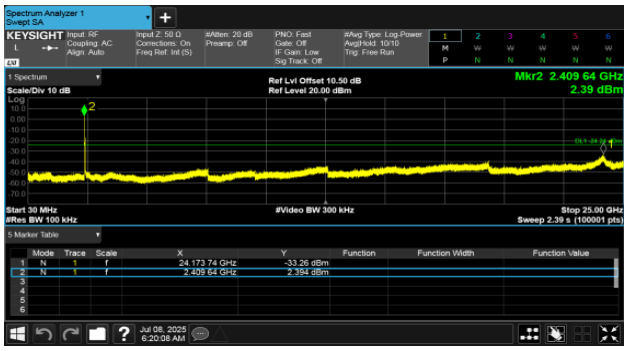


ANT B
Modulation Type: 802.11n HT20, CH01

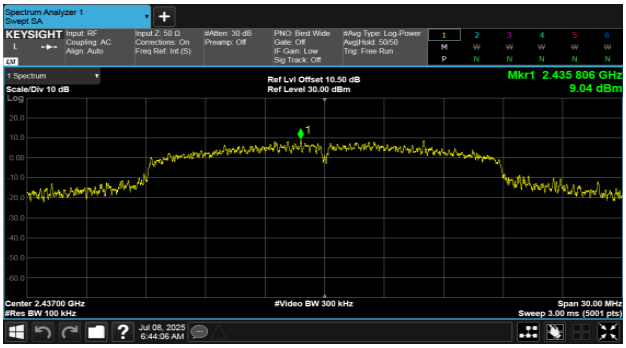




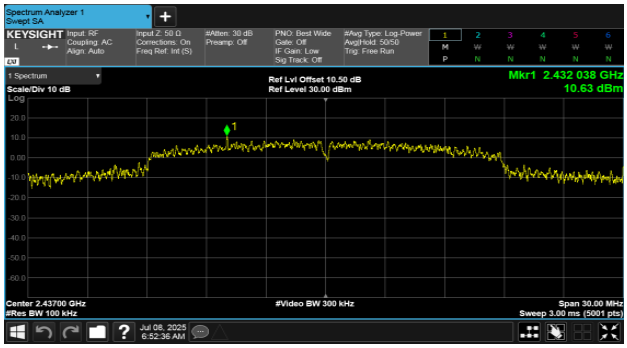


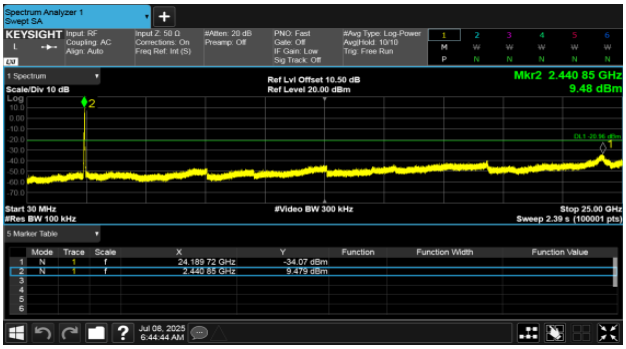


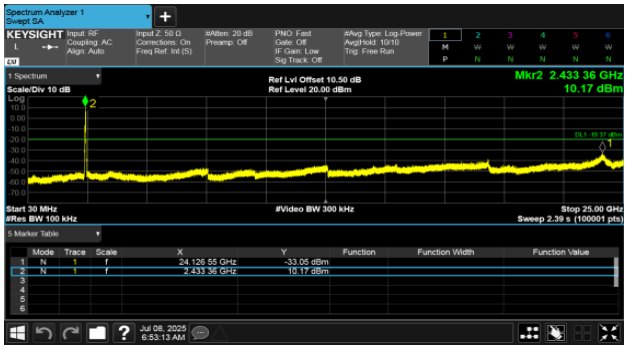
ANT A + C
ANT A
Modulation Type: 802.11n HT20, CH06



ANT B
Modulation Type: 802.11n HT20, CH06



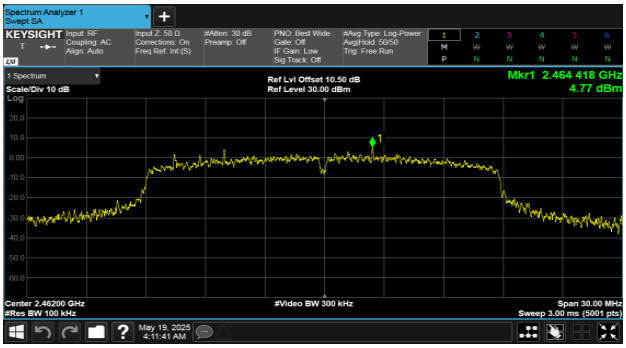




ANT A + C

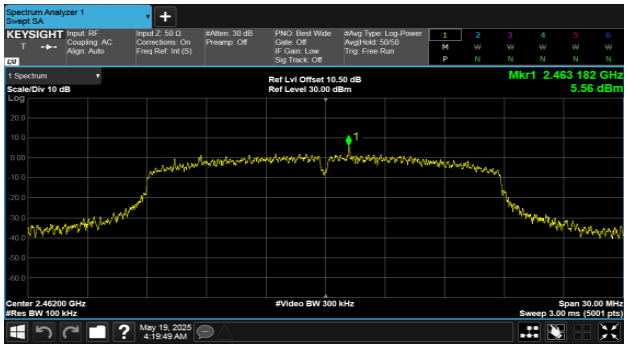
ANT A

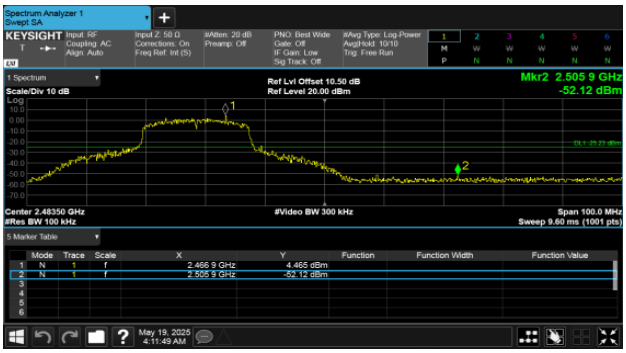
Modulation Type: 802.11n HT20, CH11

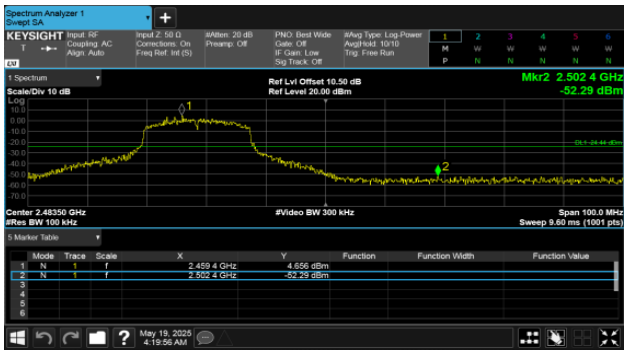


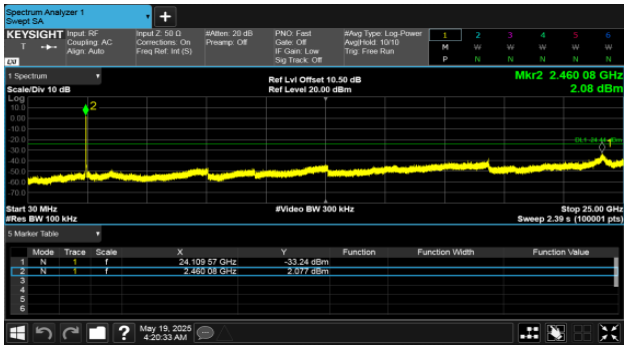
ANT B

Modulation Type: 802.11n HT20, CH11





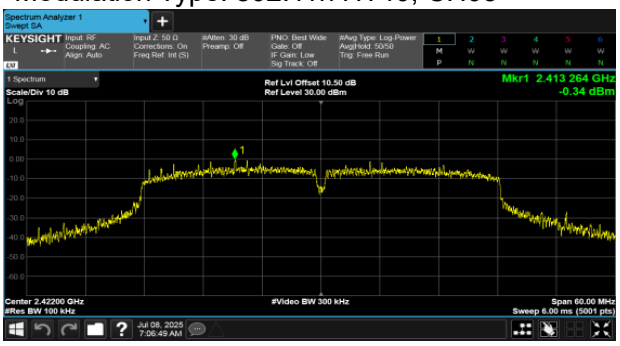




ANT A + C

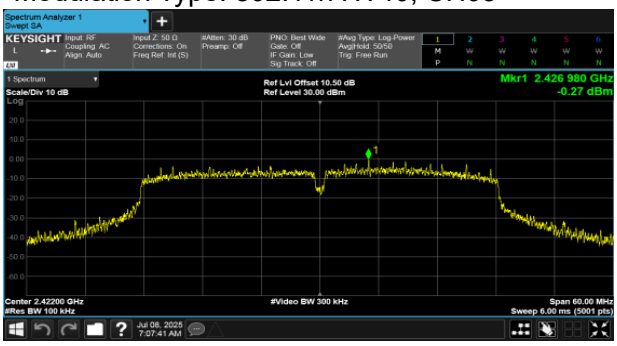
ANT A

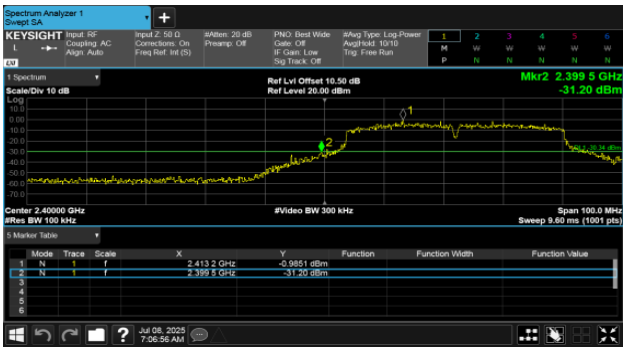
Modulation Type: 802.11n HT40, CH03

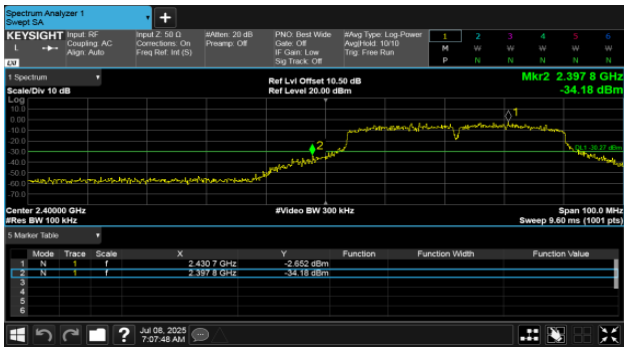


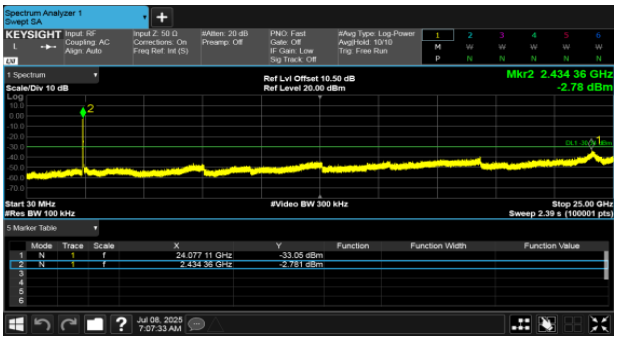
ANT B

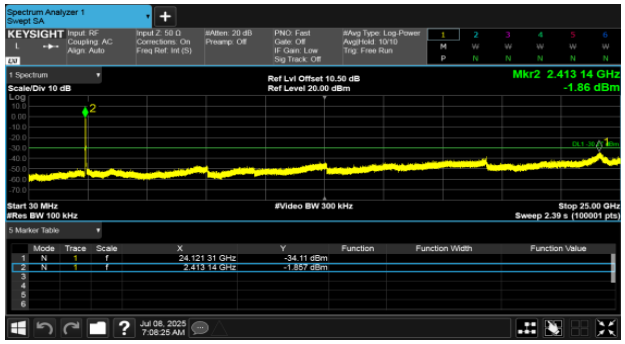
Modulation Type: 802.11n HT40, CH03







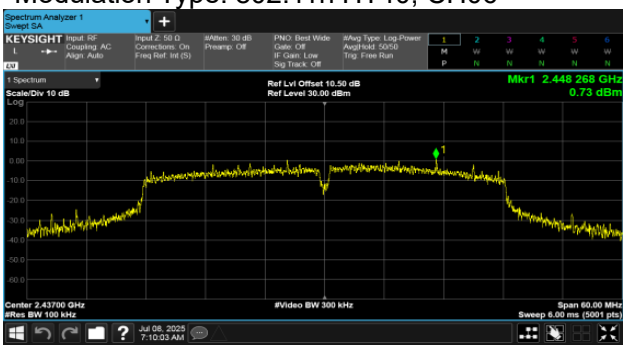




ANT A + C

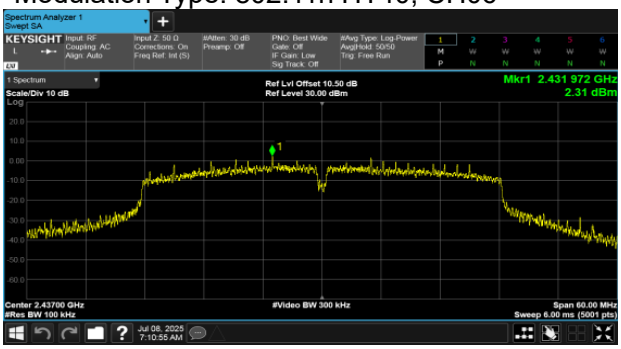
ANT A

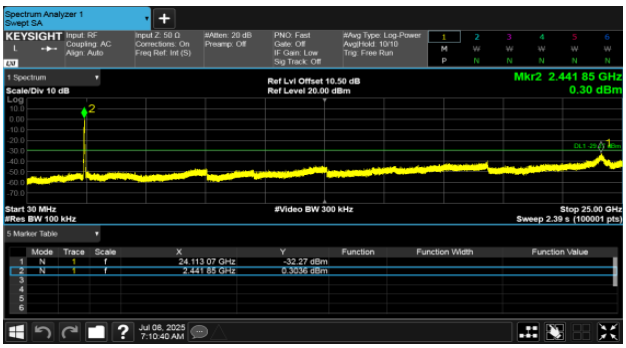
Modulation Type: 802.11n HT40, CH06

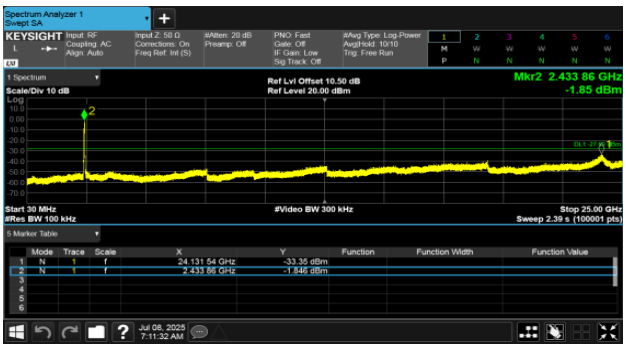


ANT B

Modulation Type: 802.11n HT40, CH06



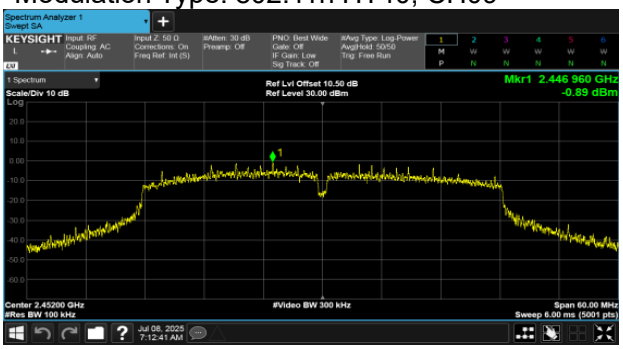




ANT A + C

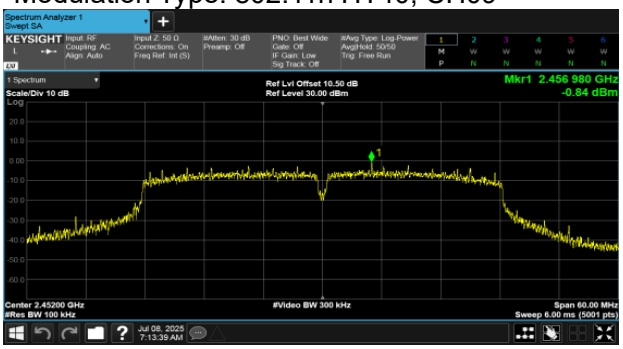
ANT A

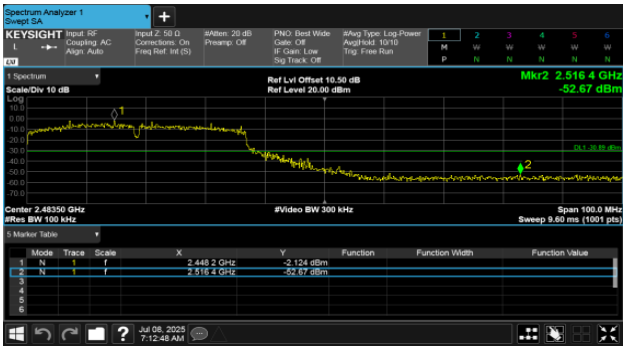
Modulation Type: 802.11n HT40, CH09

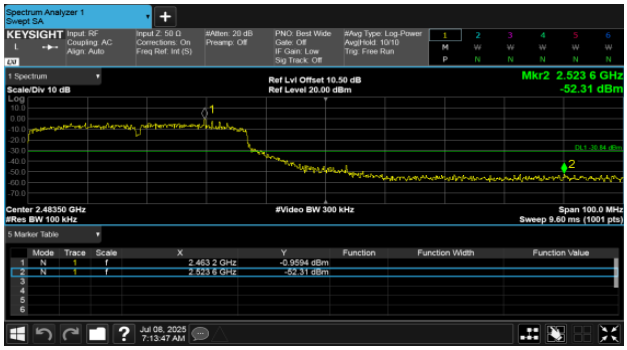


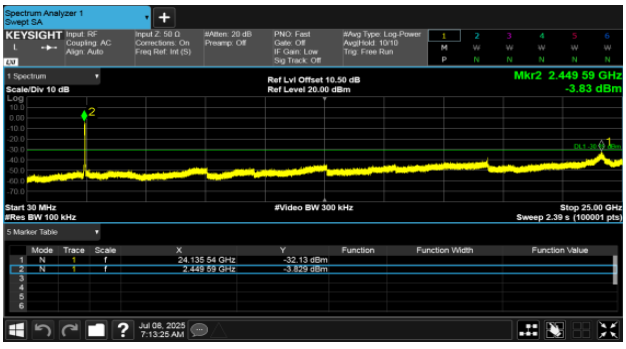
ANT B

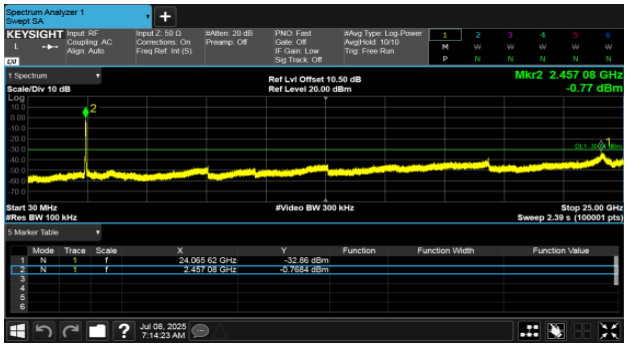
Modulation Type: 802.11n HT40, CH09











8. On Time, Duty Cycle and Measurement methods

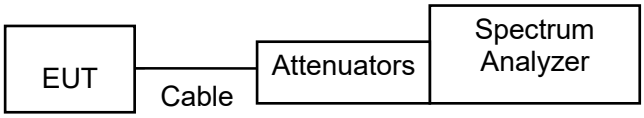
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2020 Section 11.6 Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout



8.4 Test Result and Data

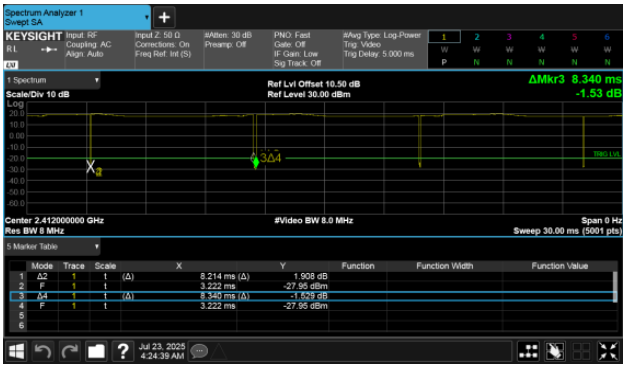
ANT A + B

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11b,1M	8.21	8.34	98.49%
11g,6M	1.37	1.48	92.04%
11n HT20	1.28	1.37	93.35%
11n HT40	0.64	0.72	87.66%

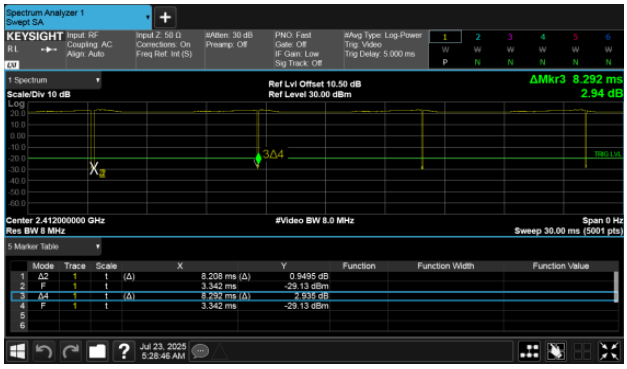
ANT A + C

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11b,1M	8.21	8.29	98.99%
11g,6M	1.37	1.42	96.20%
11n HT20	1.28	1.41	90.38%
11n HT40	0.63	0.74	85.44%

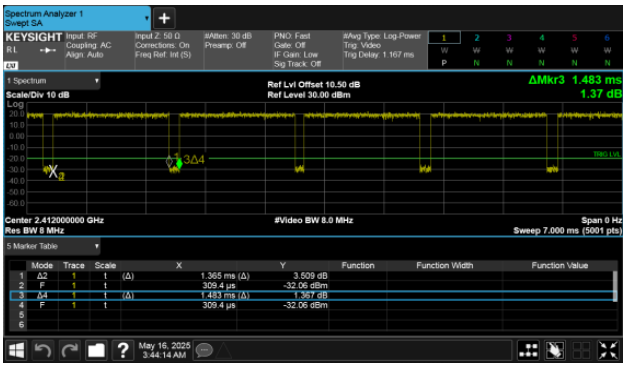
ANT A + B
ANT A
Modulation Type: 802.11b



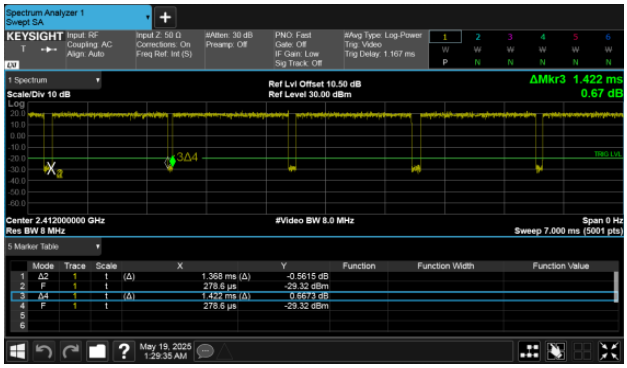
ANT A + C
ANT A
Modulation Type: 802.11b



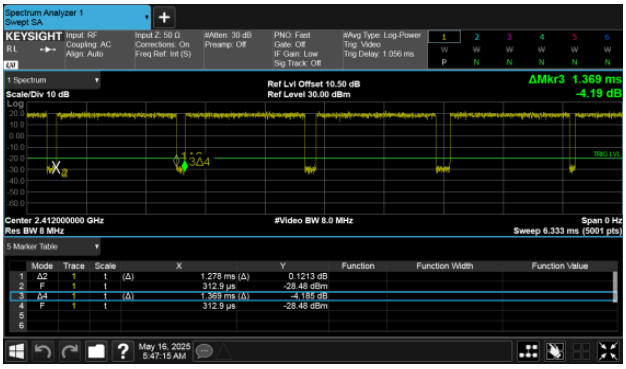
Modulation Type: 802.11g



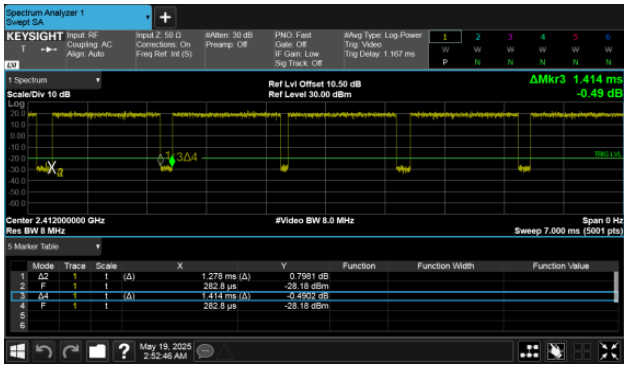
Modulation Type: 802.11g



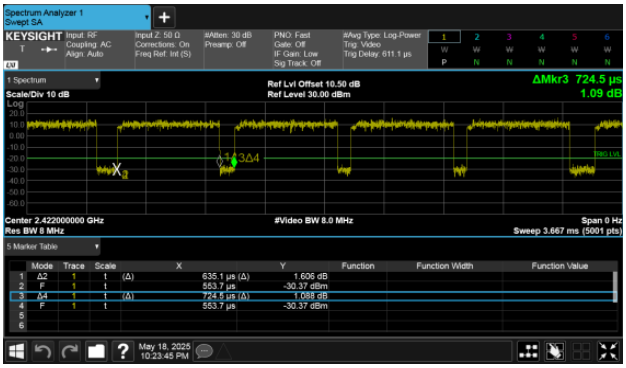
ANT A + B
ANT A
Modulation Type: 802.11n HT20



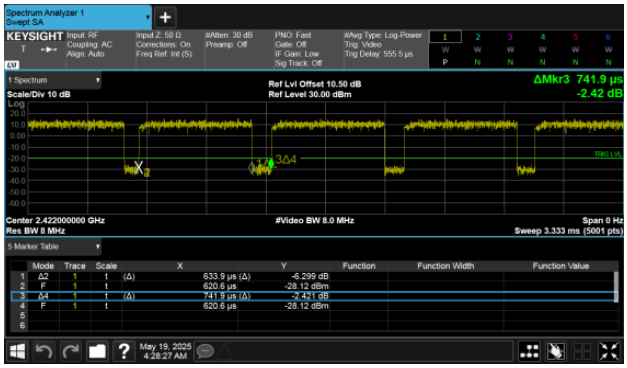
ANT A + C
ANT A
Modulation Type: 802.11n HT20



Modulation Type: 802.11n HT40



Modulation Type: 802.11n HT40



9. 6dB Bandwidth Measurement Data

9.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

According to the methods defined in ANSI C63.10-2020 Section 11.8

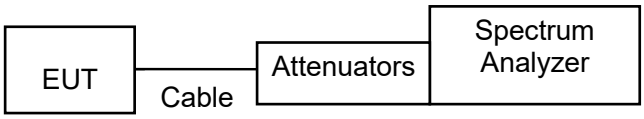
a. The transmitter output was connected to the spectrum analyzer.

b. Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.

c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

d. The 6dB Bandwidth was measured and recorded.

9.3 Test Setup Layout



9.4 Test Result and Data

ANT A + B

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
			ANT A	ANT B	
11b	1	2412	10.08	9.11	0.5
	6	2437	9.61	9.59	0.5
	11	2462	9.61	10.07	0.5
11g	1	2412	15.15	15.06	0.5
	6	2437	15.10	15.10	0.5
	11	2462	15.16	15.12	0.5
11n HT20	1	2412	15.08	14.96	0.5
	6	2437	15.05	13.90	0.5
	11	2462	15.14	15.12	0.5
11n HT40	3	2422	33.84	32.59	0.5
	6	2437	32.60	33.81	0.5
	9	2452	32.48	28.84	0.5

ANT A + C

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
			ANT A	ANT C	
11b	1	2412	10.11	10.07	0.5
	6	2437	9.62	10.10	0.5
	11	2462	10.08	9.56	0.5
11g	1	2412	15.14	15.13	0.5
	6	2437	14.04	15.10	0.5
	11	2462	15.14	15.06	0.5
11n HT20	1	2412	15.15	15.08	0.5
	6	2437	13.87	13.88	0.5
	11	2462	13.12	15.10	0.5
11n HT40	3	2422	35.02	33.83	0.5
	6	2437	32.53	31.33	0.5
	9	2452	31.36	33.84	0.5

ANT A + B
ANT A
Modulation Type: 802.11b CH01

ANT A + B
ANT B
Modulation Type: 802.11b CH01

Modulation Type: 802.11b CH06

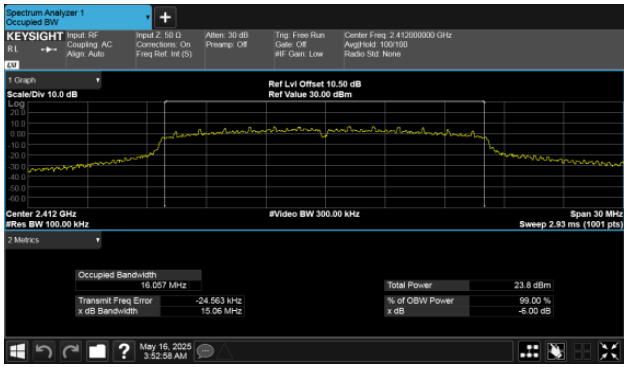
Modulation Type: 802.11b CH06

Modulation Type: 802.11b CH11

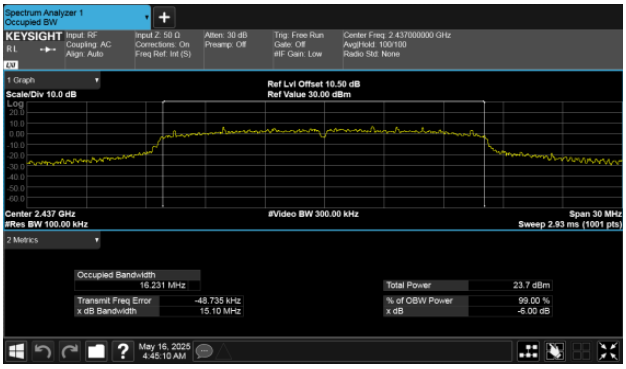
Modulation Type: 802.11b CH11

ANT A + B
ANT A
Modulation Type: 802.11g CH01

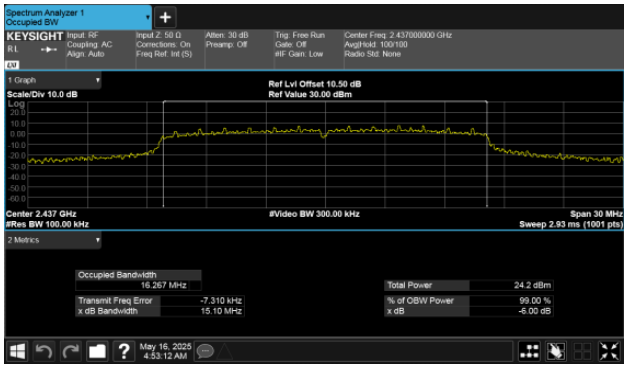
ANT A + B
ANT B
Modulation Type: 802.11g CH01



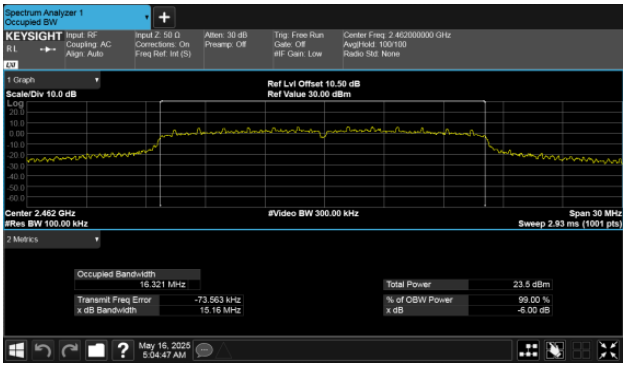
Modulation Type: 802.11g CH06



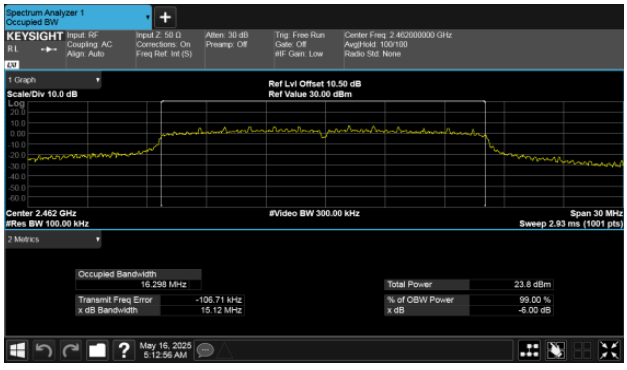
Modulation Type: 802.11g CH06



Modulation Type: 802.11g CH11

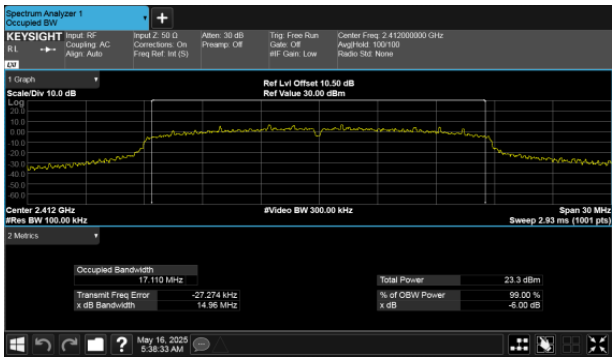


Modulation Type: 802.11g CH11

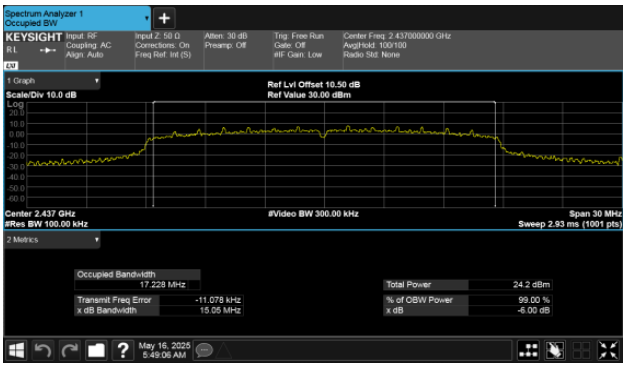


ANT A + B
ANT A
Modulation Type: 802.11n HT20 CH01

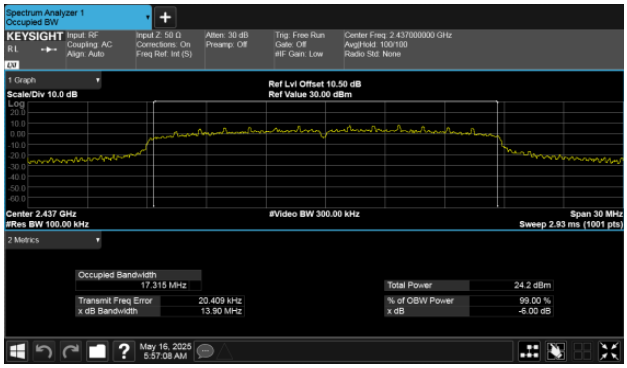
ANT A + B
ANT B
Modulation Type: 802.11n HT20 CH01



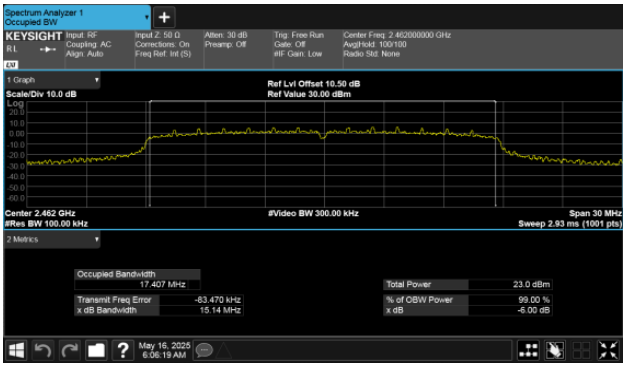
Modulation Type: 802.11n HT20 CH06



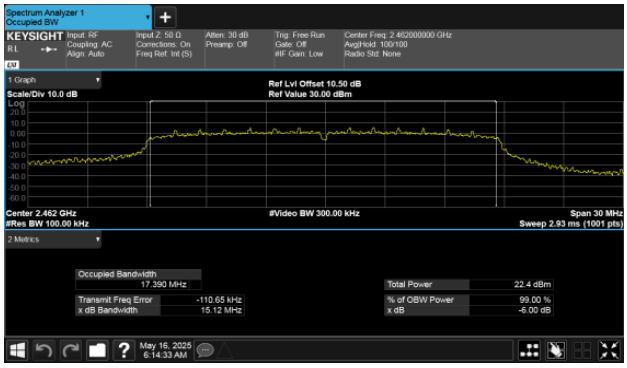
Modulation Type: 802.11n HT20 CH06



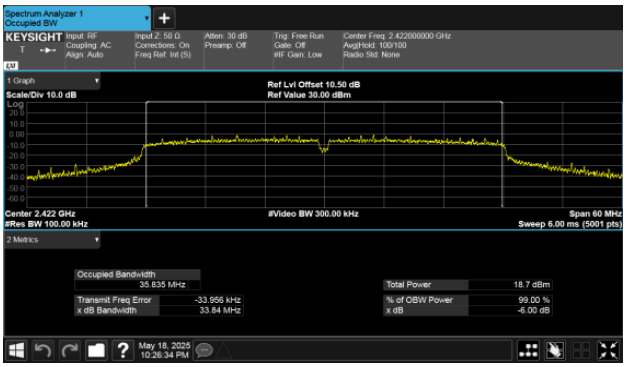
Modulation Type: 802.11n HT20 CH11



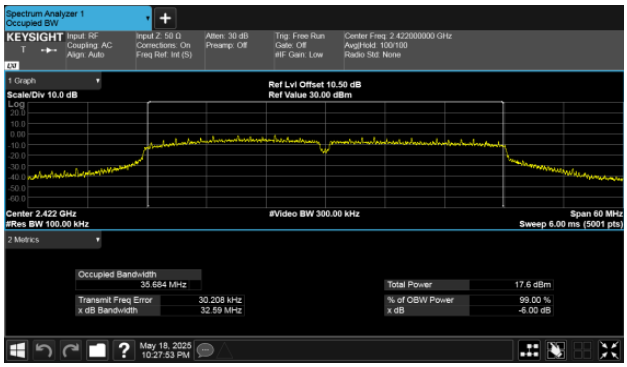
Modulation Type: 802.11n HT20 CH11



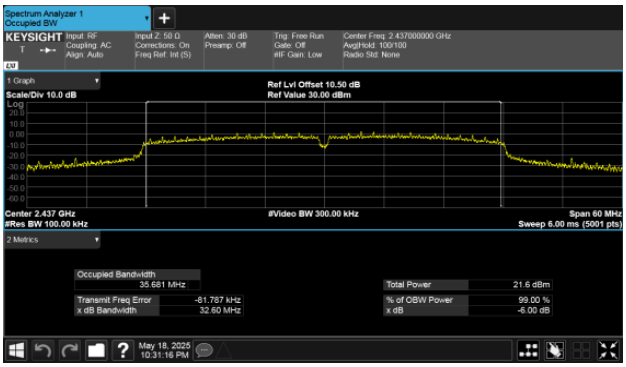
ANT A + B
ANT A
Modulation Type: 802.11n HT40 CH03



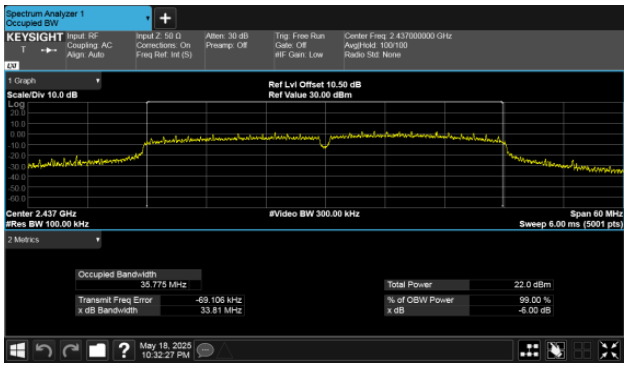
ANT A + B
ANT B
Modulation Type: 802.11n HT40 CH03



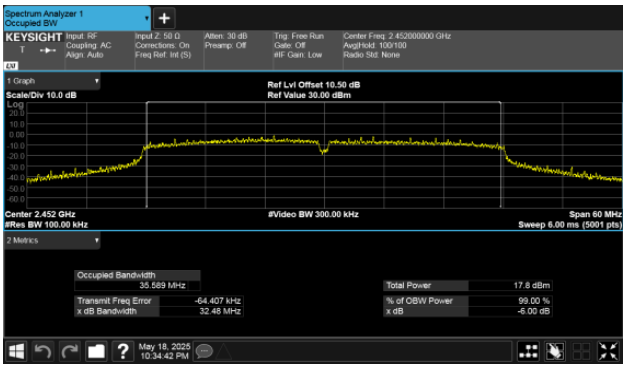
Modulation Type: 802.11n HT40 CH06



Modulation Type: 802.11n HT40 CH06



Modulation Type: 802.11n HT40 CH09



Modulation Type: 802.11n HT40 CH09

ANT A + C
ANT A
Modulation Type: 802.11b CH01

ANT A + C
ANT C
Modulation Type: 802.11b CH01

Modulation Type: 802.11b CH06

Modulation Type: 802.11b CH06

Modulation Type: 802.11b CH11

Modulation Type: 802.11b CH11