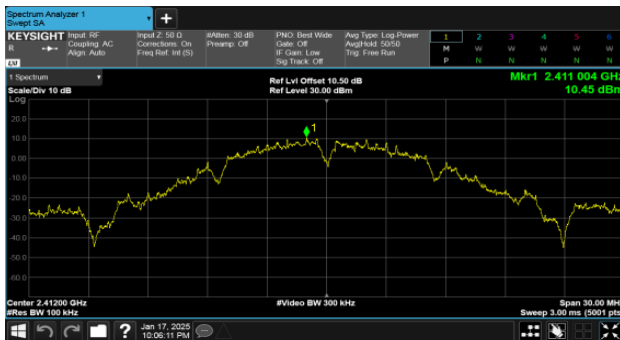
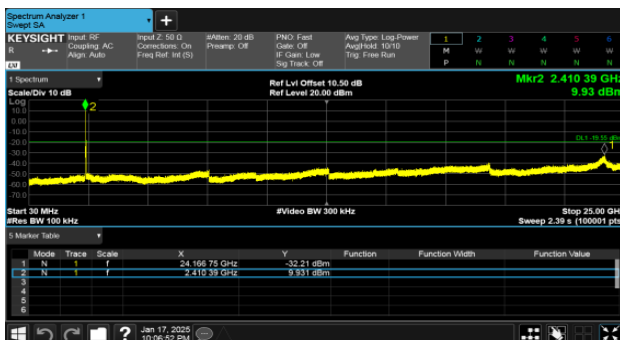
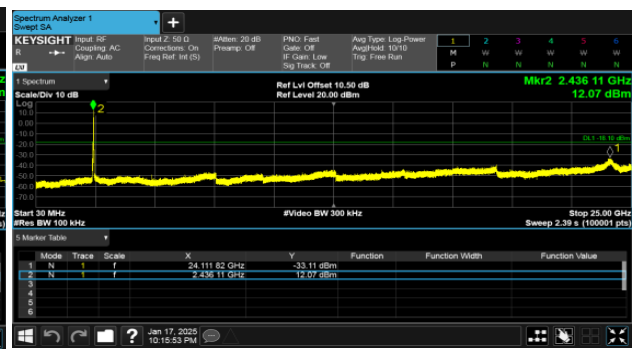
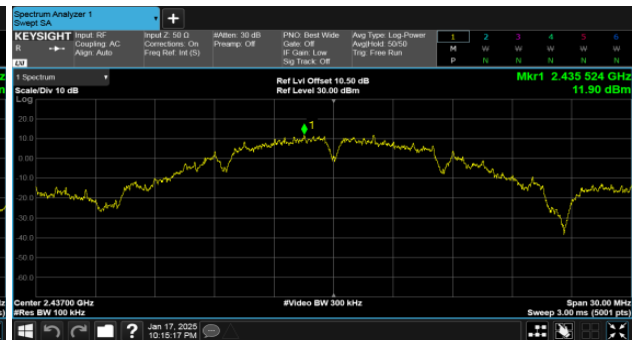




Modulation Type: 802.11b CH01

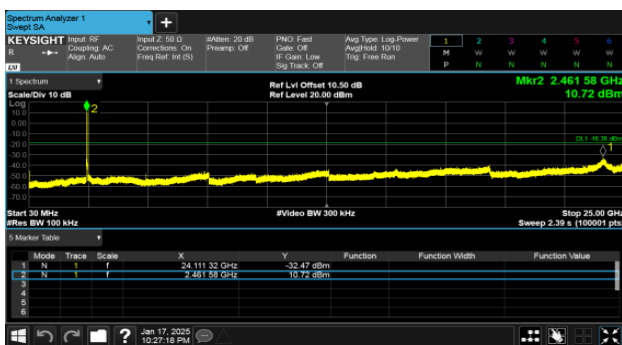
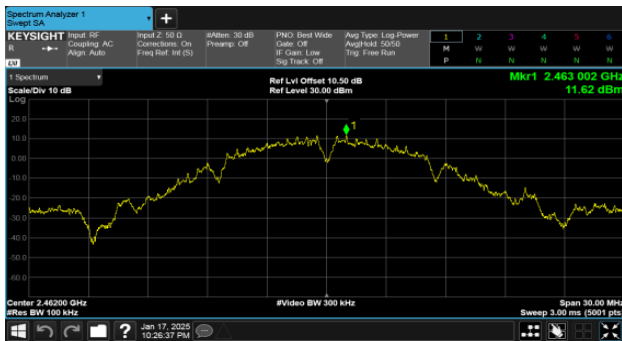


Modulation Type: 802.11b CH06



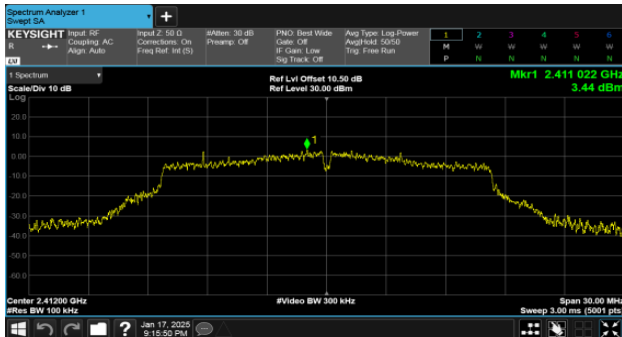


Modulation Type: 802.11b CH11

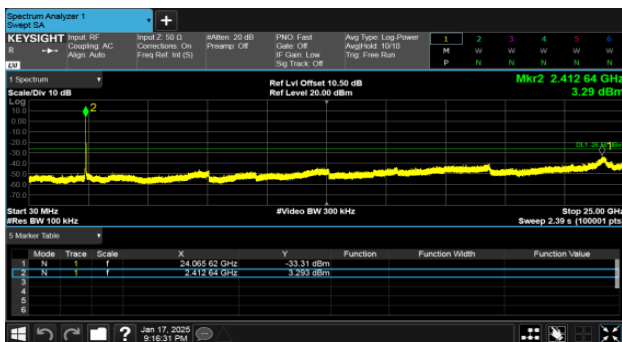
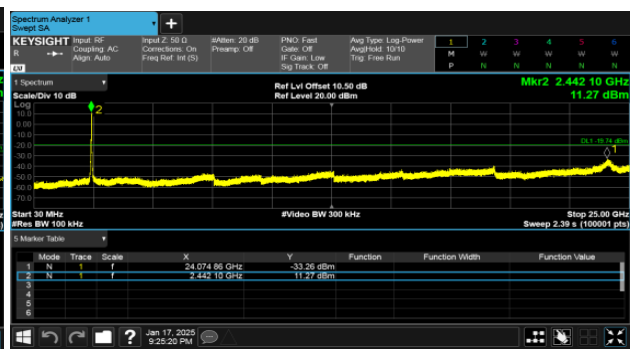
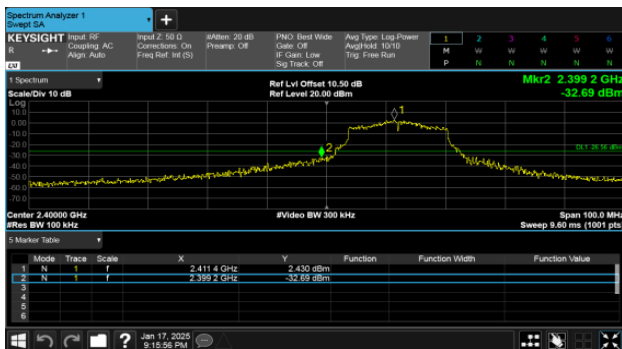
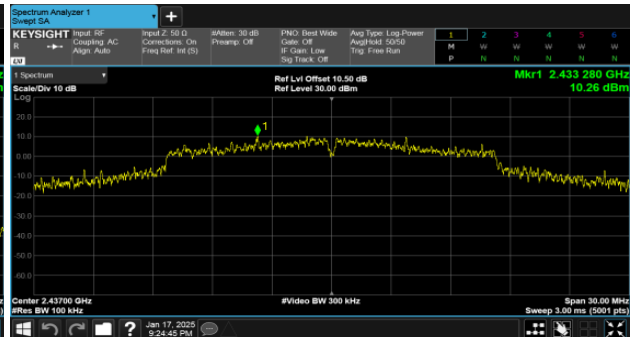




Modulation Type: 802.11g CH01

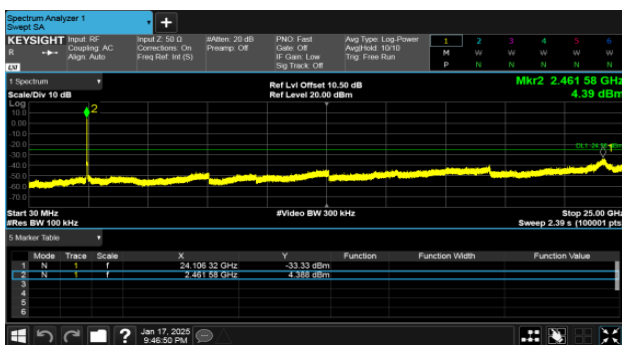
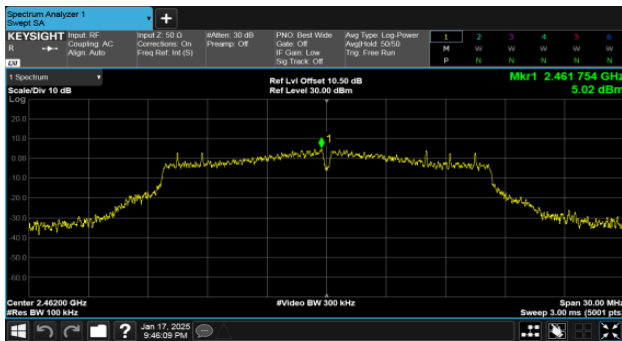


Modulation Type: 802.11g CH06



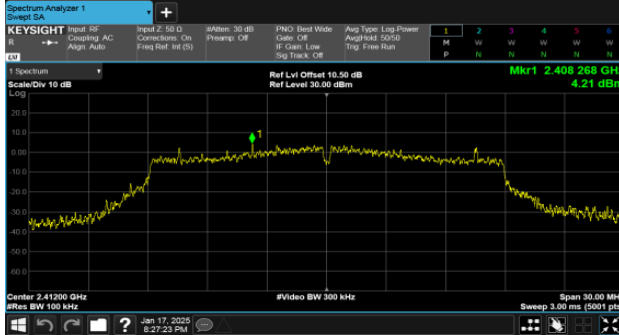


Modulation Type: 802.11g CH11

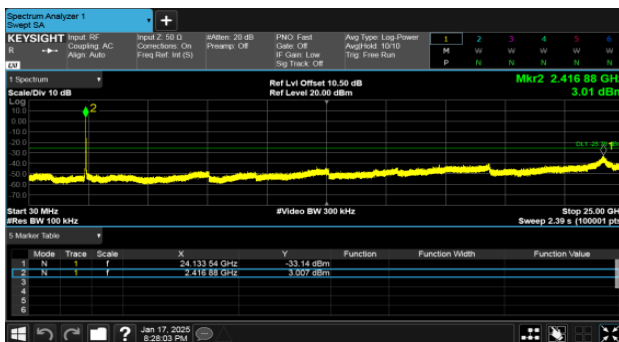
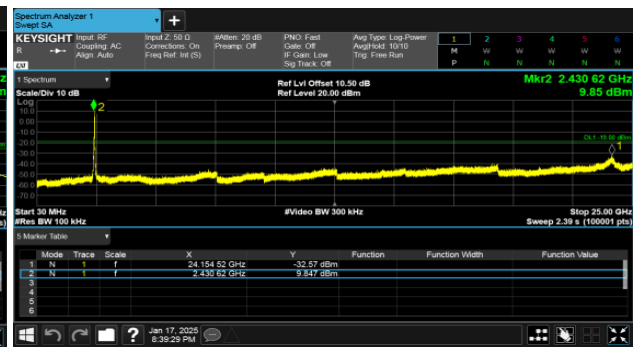
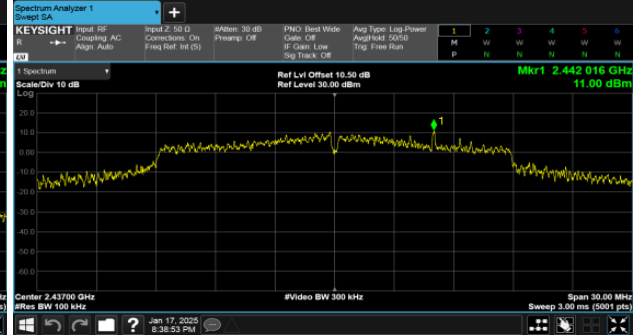




Modulation Type: 802.11n HT20 CH01

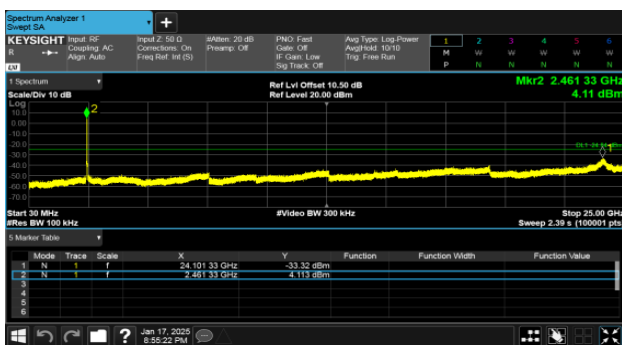
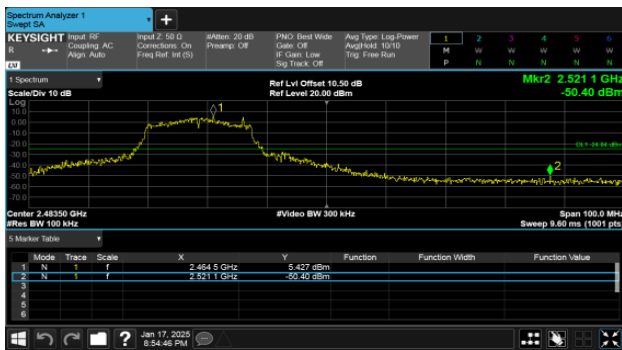
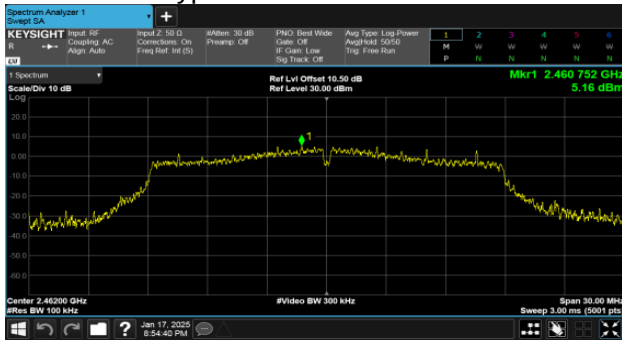


Modulation Type: 802.11n HT20 CH06



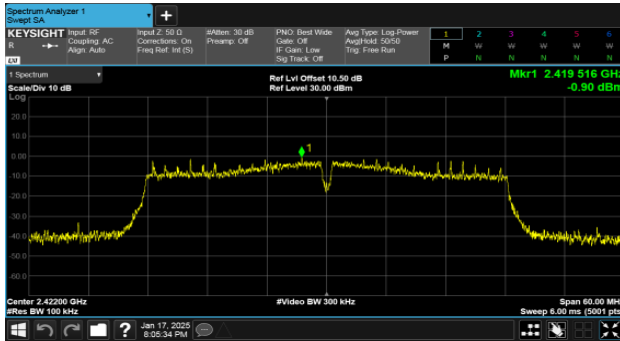


Modulation Type: 802.11n HT20 CH11

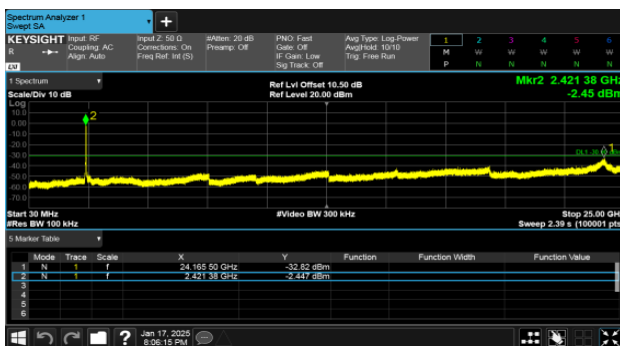
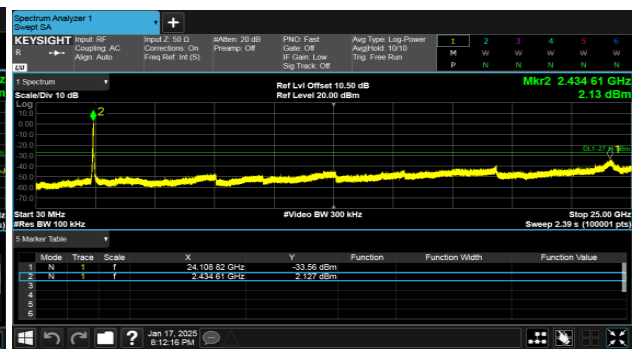
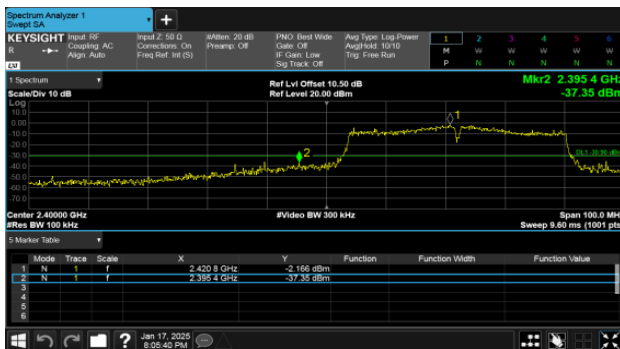
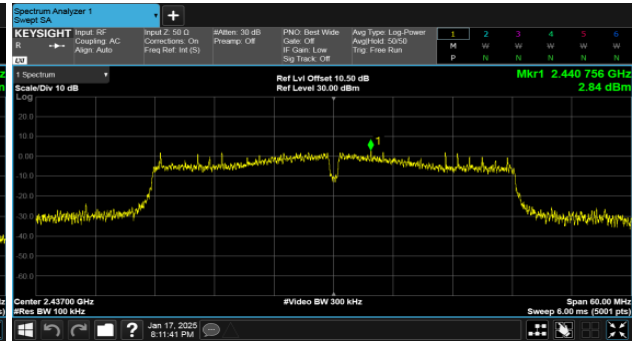




Modulation Type: 802.11n HT40 CH03

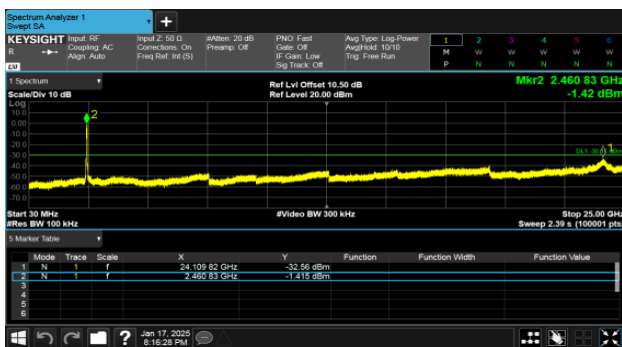
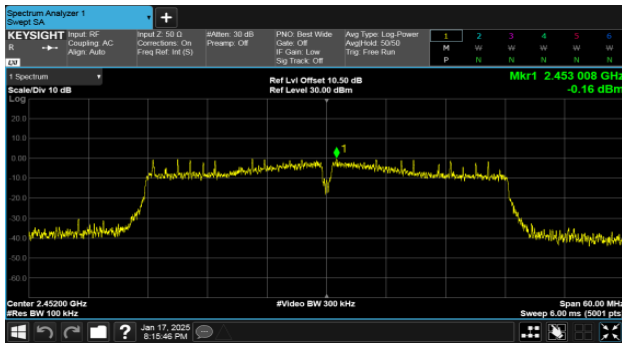


Modulation Type: 802.11n HT40 CH06





Modulation Type: 802.11n HT40 CH09





8. On Time, Duty Cycle and Measurement methods

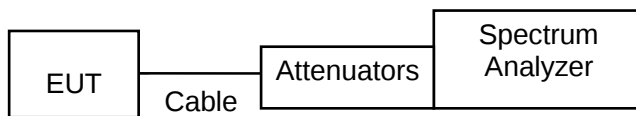
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.6
Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout

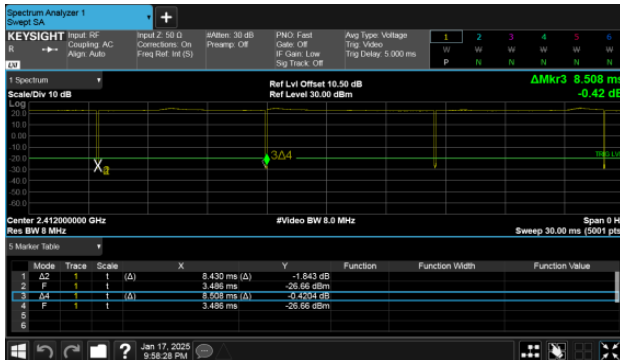


8.4 Test Result and Data

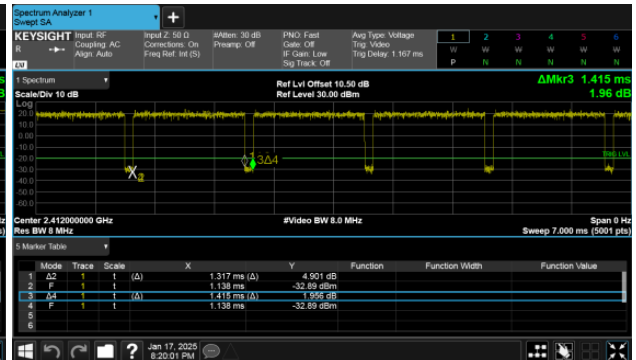
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11b,1M	8.430	8.508	99.08%
11g,6M	1.401	1.499	93.46%
11n HT20	1.317	1.415	93.07%
11n HT40	0.654	0.754	86.73%



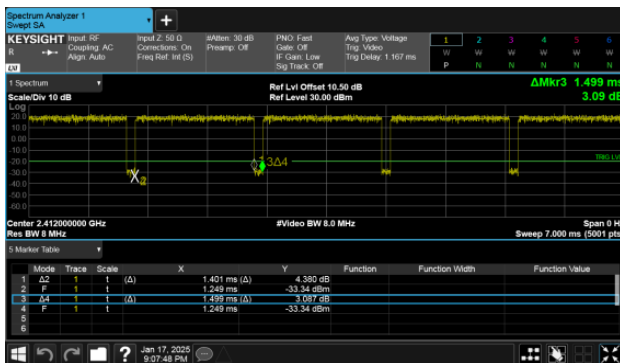
Modulation Type: 802.11b(1Mbps)



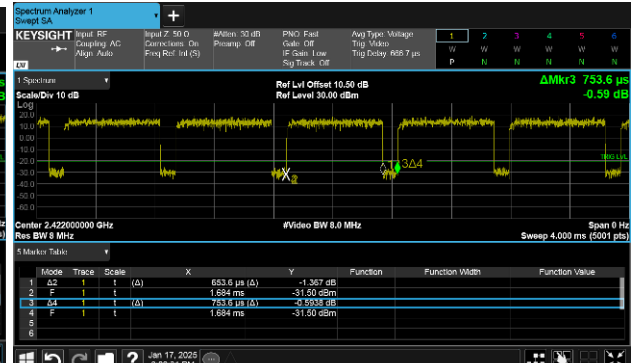
Modulation Type: 802.11n HT20 (6.5Mbps)



Modulation Type: 802.11g(6Mbps)



Modulation Type: 802.11n HT40 (13.5Mbps)





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

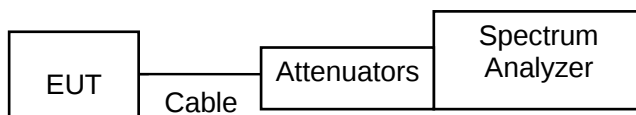
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.8

- The transmitter output was connected to the spectrum analyzer.
- Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.
- The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- The 6dB Bandwidth was measured and recorded.

9.3 Test Setup Layout

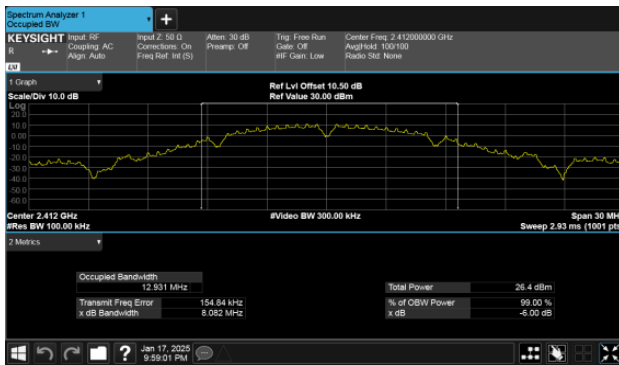


9.4 Test Result and Data

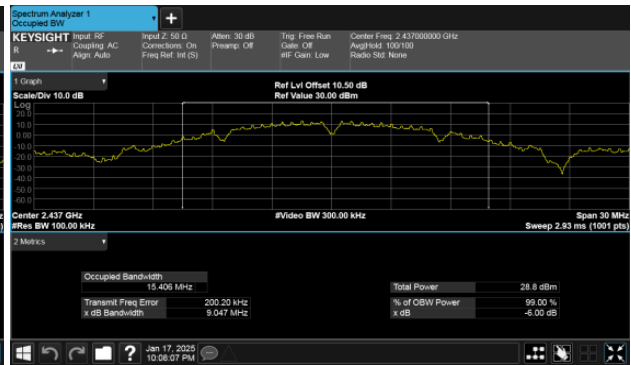
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11b	1	2412	8.08	0.5
	6	2437	9.05	0.5
	11	2462	8.01	0.5
11g	1	2412	15.44	0.5
	6	2437	15.12	0.5
	11	2462	15.05	0.5
11n HT20	1	2412	15.22	0.5
	6	2437	15.18	0.5
	11	2462	15.20	0.5
11n HT40	3	2422	35.19	0.5
	6	2437	35.19	0.5
	9	2452	35.20	0.5



Modulation Type: 802.11b CH01



Modulation Type: 802.11b CH06

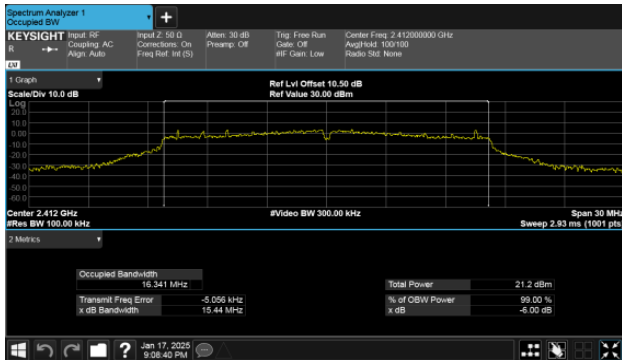


Modulation Type: 802.11b CH11

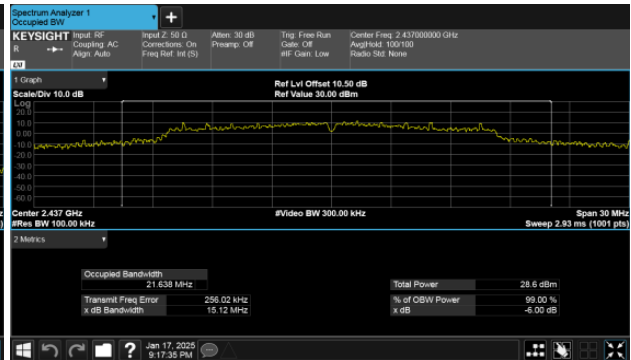




Modulation Type: 802.11g CH01



Modulation Type: 802.11g CH06

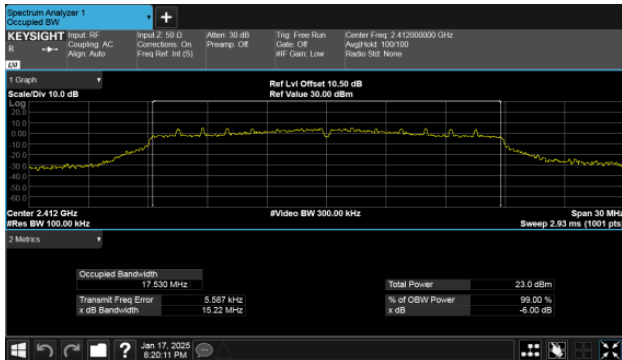


Modulation Type: 802.11g CH11

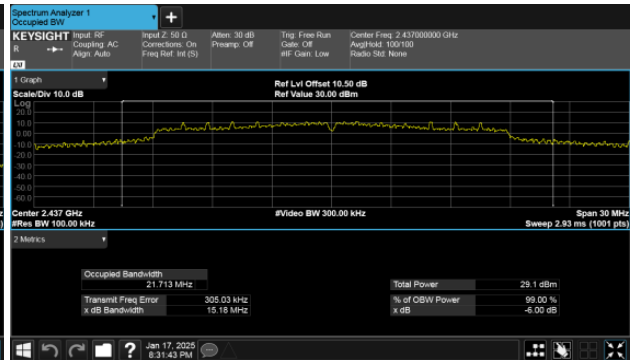




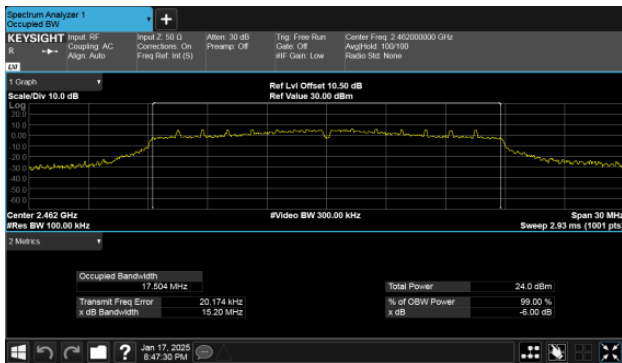
Modulation Type: 802.11n HT20 CH01



Modulation Type: 802.11n HT20 CH06

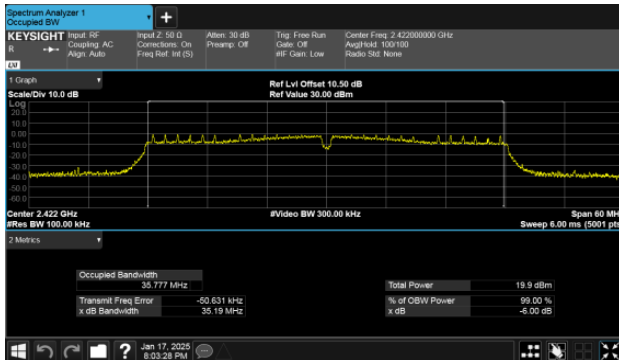


Modulation Type: 802.11n HT20 CH11

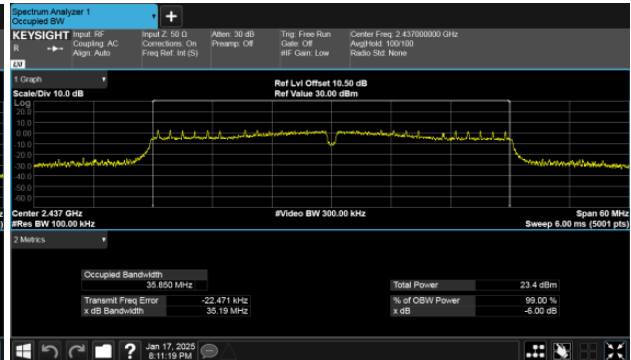




Modulation Type: 802.11n HT40 CH03



Modulation Type: 802.11n HT40 CH06



Modulation Type: 802.11n HT40 CH09





10. Maximum Average Output Power

10.1 Test Limit

The Maximum Average Output Power Measurement is 30dBm.

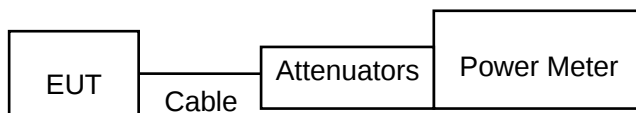
If transmitting antennas of directional gain greater than 6 dBi are used, the average output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

10.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.9.2.3.2

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

10.3 Test Setup Layout



10.4 Test Result and Data

Data Rate	Setting	Modulation Mode	CH	Frequency (MHz)	Conducted (AV) output power (dBm)	Total AV power (dBm)	Total AV power (mW)	Power Limit (dBm)
1	70	11b	1	2412	19.49	19.49	88.920	30.00
	80		6	2437	22.02	22.02	159.221	30.00
	70		11	2462	20.09	20.09	102.094	30.00
6	55	11g	1	2412	15.13	15.13	32.584	30.00
	80		6	2437	21.70	21.70	147.911	30.00
	58		11	2462	16.44	16.44	44.055	30.00
MCS0	61	11n HT20	1	2412	16.09	16.09	40.644	30.00
	80		6	2437	21.58	21.58	143.880	30.00
	62		11	2462	16.85	16.85	48.417	30.00
MSC0	44	11n HT40	3	2422	13.32	13.32	21.478	30.00
	57		6	2437	16.96	16.96	49.659	30.00
	46		9	2452	14.14	14.14	25.942	30.00



11. Power Spectral Density

11.1 Test Limit

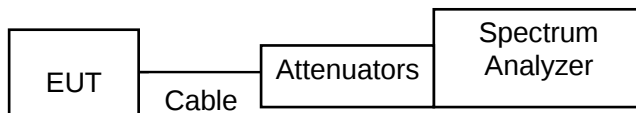
The Maximum of Power Spectral Density Measurement is 8dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

11.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.10.

11.3 Test Setup Layout



11.4 Test Result and Data

Modulation Type	CH	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)	Sum chain (dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
11b	1	2412	-12.273	-12.27	0.00	-12.27	8.00
	6	2437	-9.894	-9.89	0.00	-9.89	8.00
	11	2462	-11.127	-11.13	0.00	-11.13	8.00
11g	1	2412	-13.467	-13.47	0.29	-13.18	8.00
	6	2437	-6.917	-6.92	0.29	-6.63	8.00
	11	2462	-11.937	-11.94	0.29	-11.65	8.00
11n HT20	1	2412	-16.371	-16.37	0.31	-16.06	8.00
	6	2437	-10.655	-10.66	0.31	-10.35	8.00
	11	2462	-15.116	-15.12	0.31	-14.81	8.00

Modulation Type	CH	Frequency (MHz)	Maximum Power Density of 100KHz Bandwidth(dBm)	Sum chain (dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
11n HT40	3	2422	-8.582	-8.58	0.62	-7.96	8.00
	6	2437	-4.58	-4.58	0.62	-3.96	8.00
	9	2452	-7.443	-7.44	0.62	-6.82	8.00



Modulation Type: 802.11b CH01



Modulation Type: 802.11b CH06

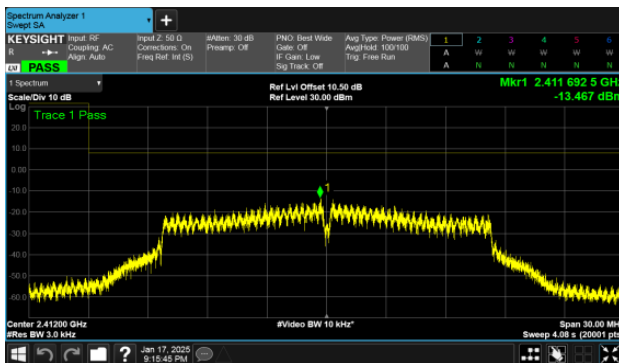


Modulation Type: 802.11b CH11

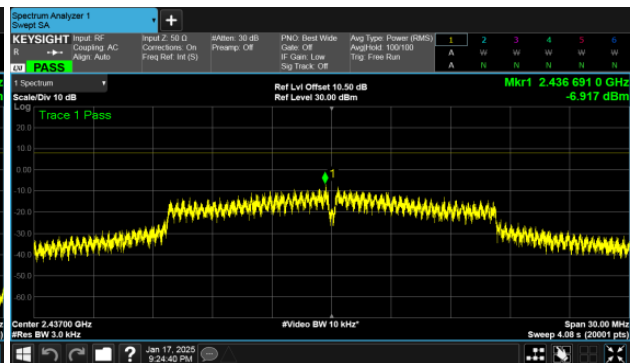




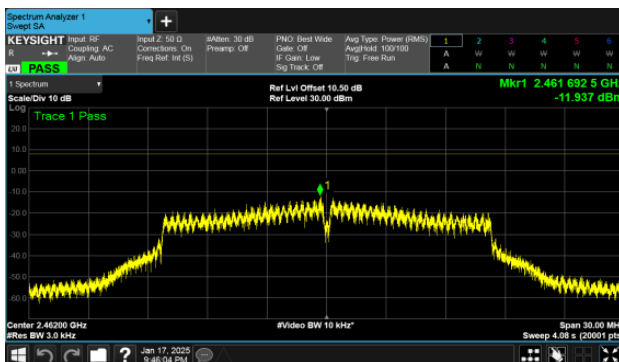
Modulation Type: 802.11g CH01



Modulation Type: 802.11g CH06

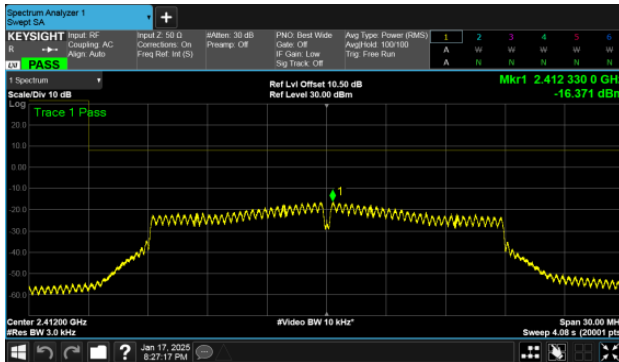


Modulation Type: 802.11g CH11

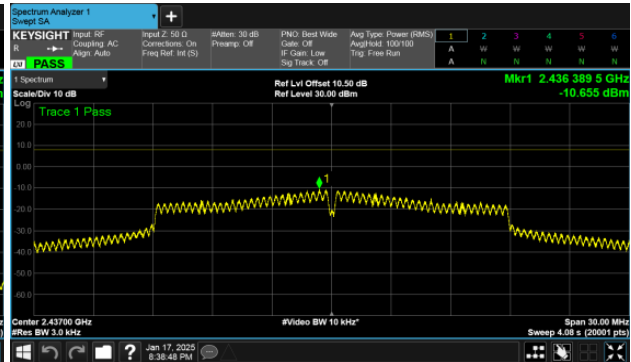




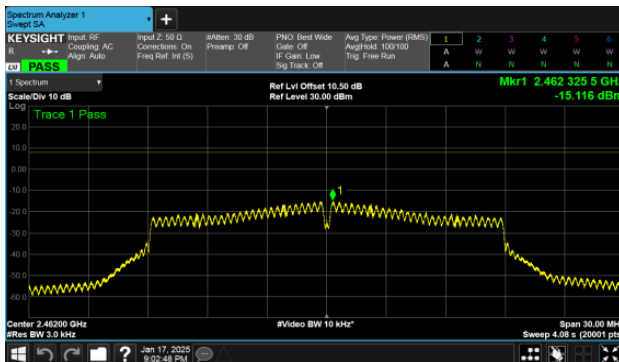
Modulation Type: 802.11n HT 20 CH01



Modulation Type: 802.11n HT 20 CH06

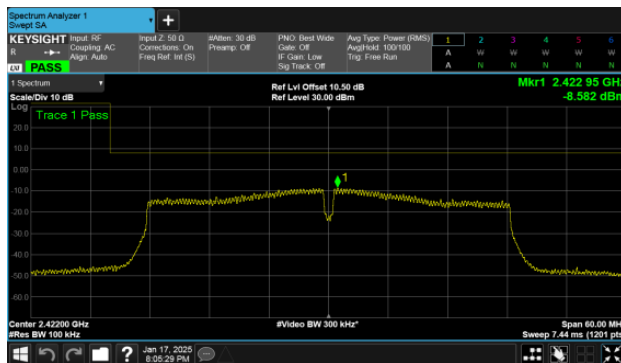


Modulation Type: 802.11n HT 20 CH11

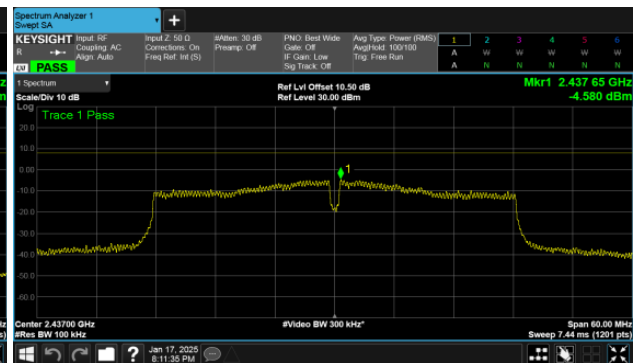




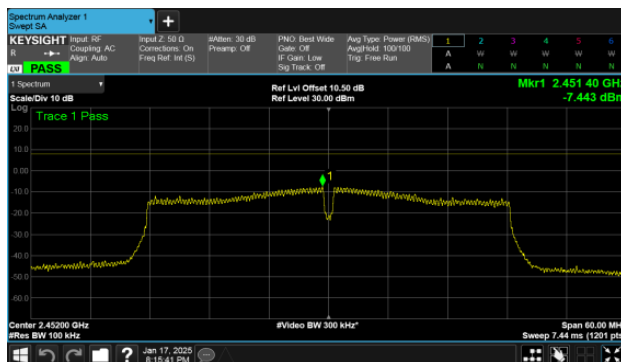
Modulation Type: 802.11n HT 40 CH03



Modulation Type: 802.11n HT 40 CH06



Modulation Type: 802.11n HT 40 CH09



-----THE END OF REPORT-----