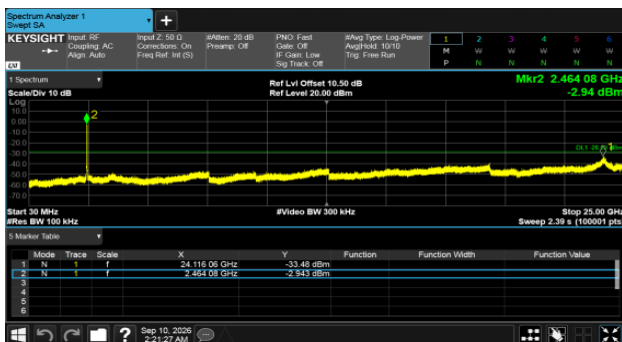
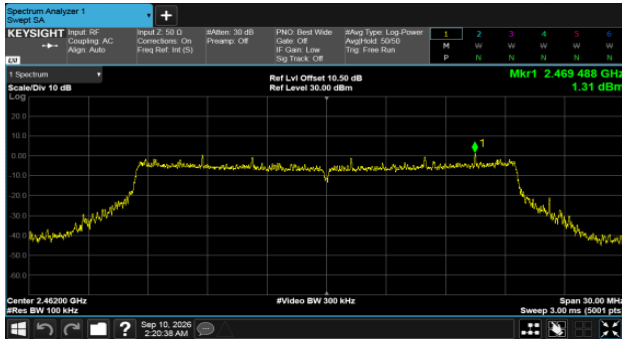




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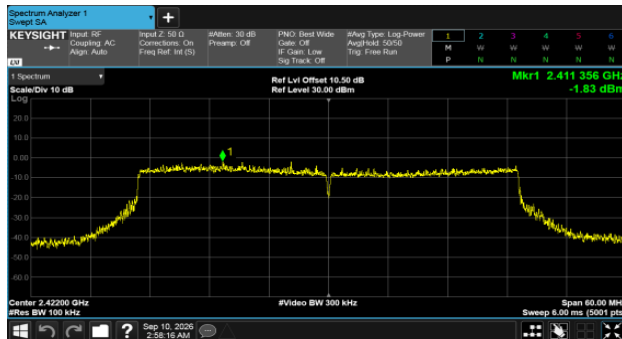
Modulation Type: 802.11be EHT20, CH11



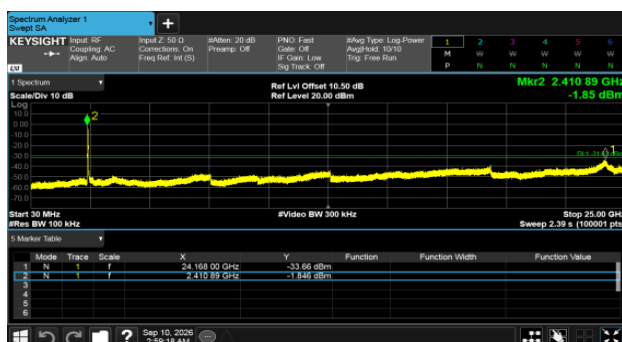
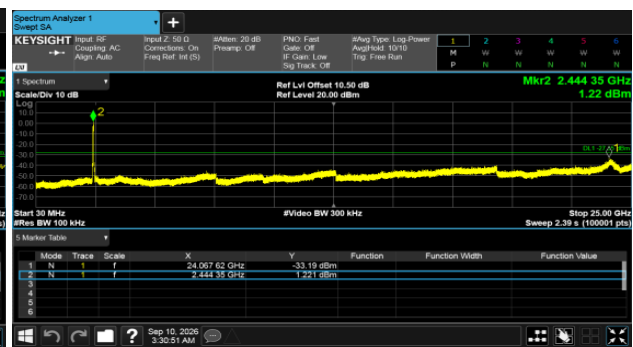
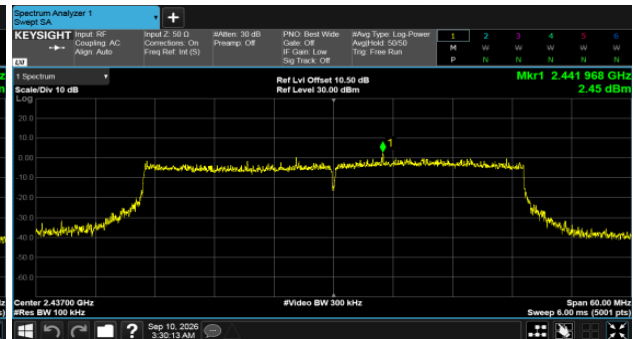


ANT-10

Modulation Type: 802.11be EHT40, CH03



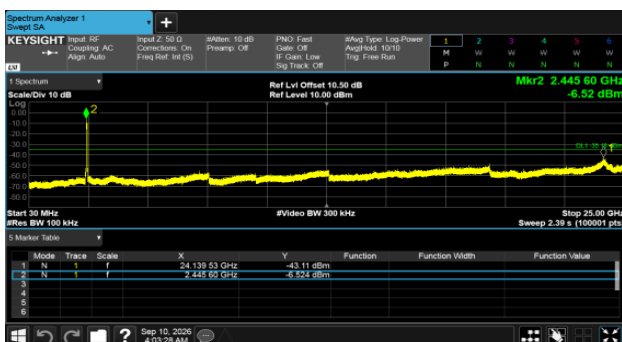
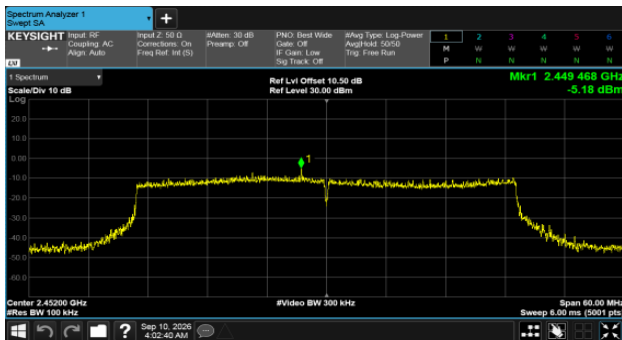
Modulation Type: 802.11be EHT40, CH06





ANT-10

Modulation Type: 802.11be EHT40, CH09





8. On Time, Duty Cycle and Measurement methods

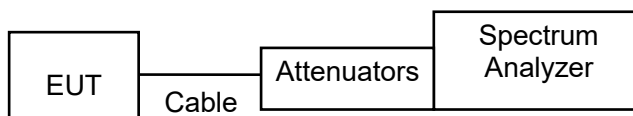
8.1 Test Limit

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

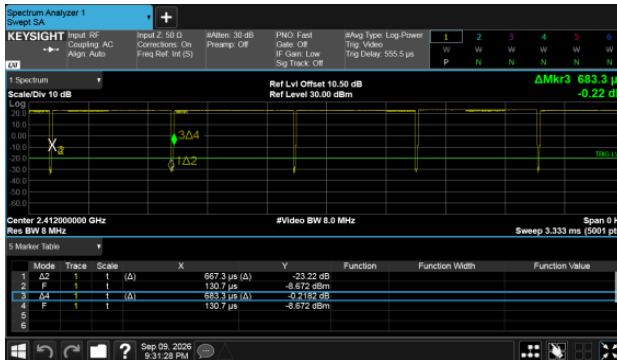


8.4 Test Result and Data

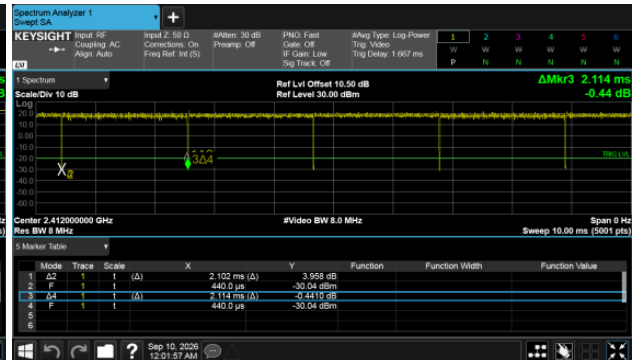
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11b,1M	0.67	0.68	97.66%
11g,6M	2.10	2.11	99.43%
11be EHT20	2.10	2.11	99.43%
11be EHT40	5.41	5.42	99.85%



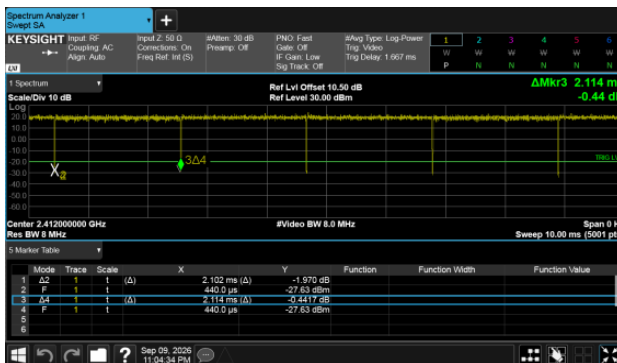
Modulation Type: 802.11b



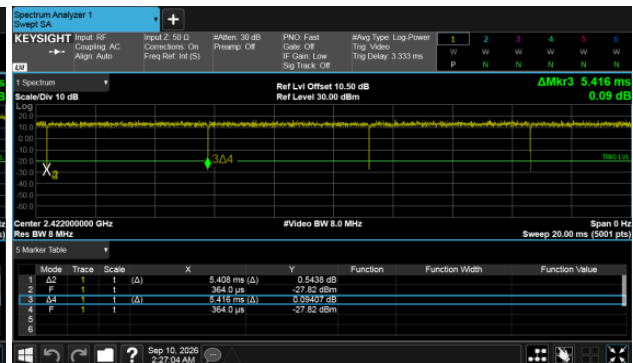
Modulation Type: 802.11be EHT20



Modulation Type: 802.11g



Modulation Type: 802.11be EHT40





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

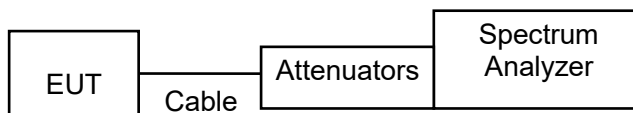
The minimum of 6dB Bandwidth Measurement is 0.5MHz.

9.2 Test Procedures

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

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

9.3 Test Setup Layout



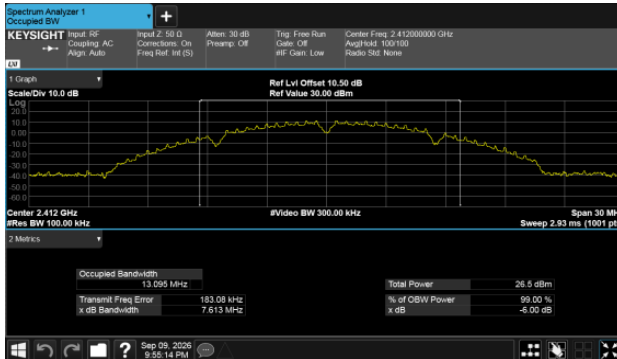
9.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
			ANT-9	ANT-10	
11b	1	2412	7.61	7.56	0.5
	6	2437	7.59	7.13	0.5
	11	2462	8.06	8.08	0.5
11g	1	2412	16.48	16.37	0.5
	6	2437	16.43	16.35	0.5
	11	2462	16.37	16.42	0.5
11be EHT20	1	2412	19.00	18.98	0.5
	6	2437	19.04	18.20	0.5
	11	2462	18.96	19.13	0.5
11be EHT40	3	2422	37.82	38.21	0.5
	6	2437	38.07	38.09	0.5
	9	2452	38.14	37.85	0.5

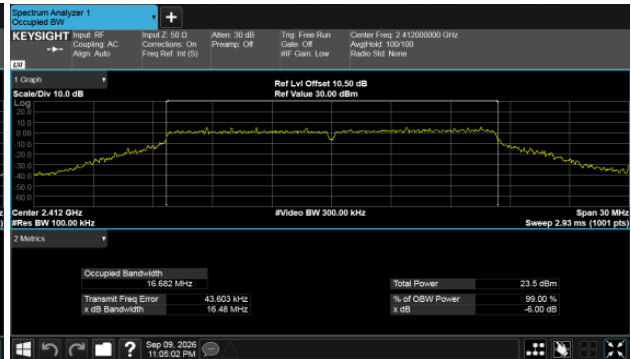


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Modulation Type: 802.11b CH01



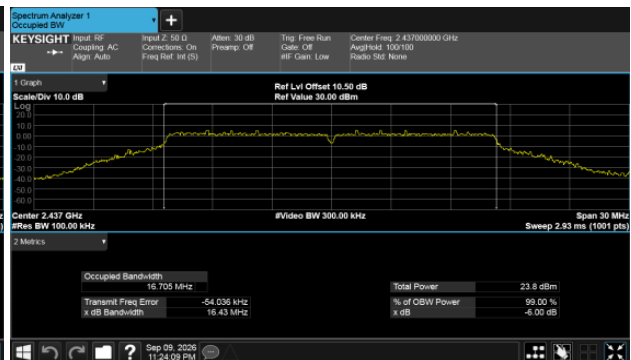
Modulation Type: 802.11g CH01



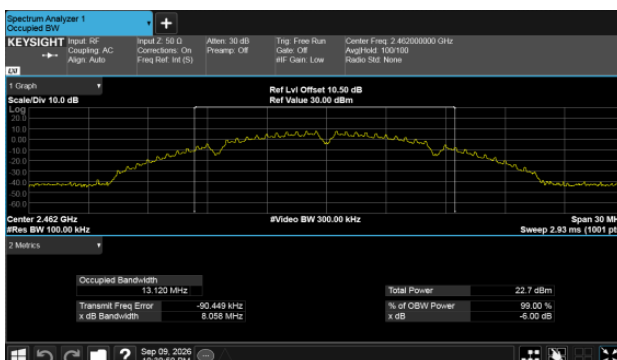
Modulation Type: 802.11b CH06



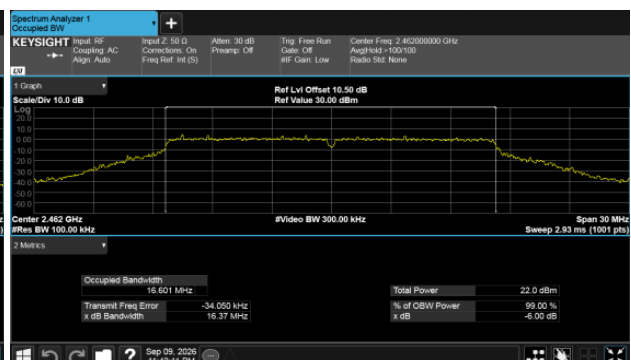
Modulation Type: 802.11g CH06



Modulation Type: 802.11b CH11



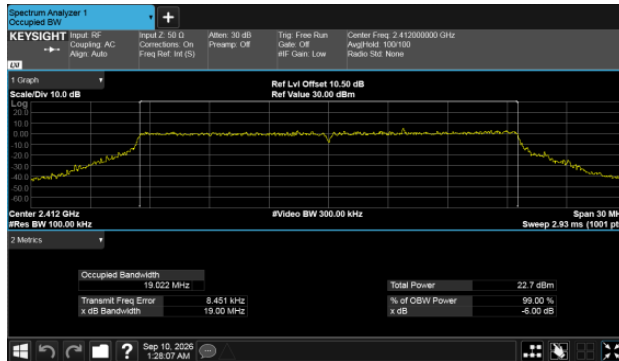
Modulation Type: 802.11g CH11





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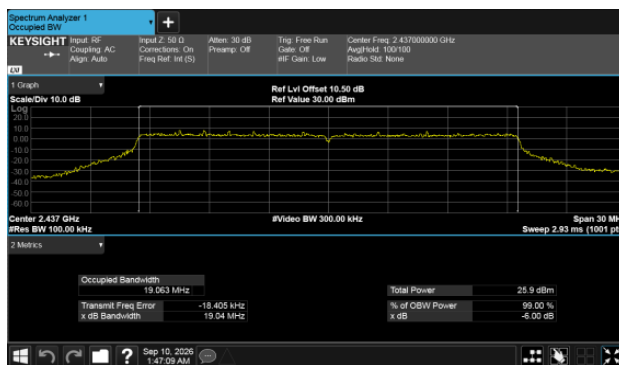
Modulation Type: 802.11be EHT20 CH01



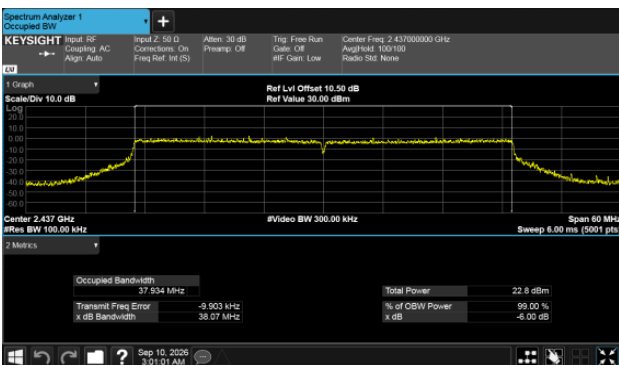
Modulation Type: 802.11be EHT40 CH03



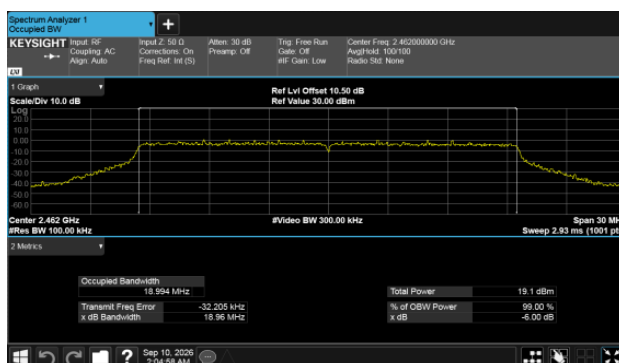
Modulation Type: 802.11be EHT20 CH06



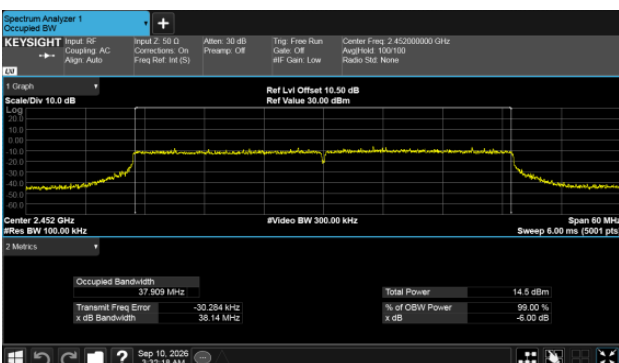
Modulation Type: 802.11be EHT40 CH06



Modulation Type: 802.11be EHT20 CH11



Modulation Type: 802.11be EHT40 CH09



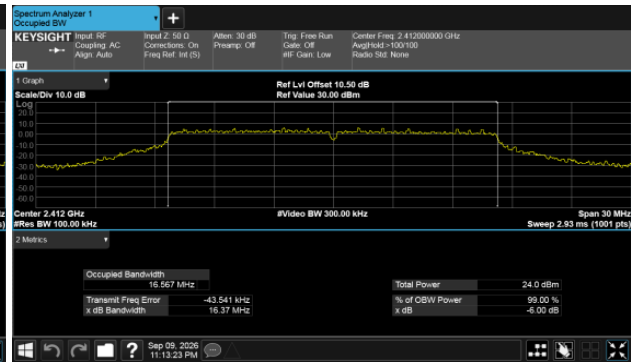


ANT-10

Modulation Type: 802.11b CH01



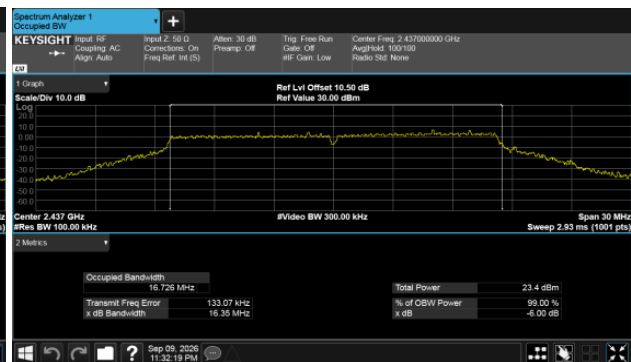
Modulation Type: 802.11g CH01



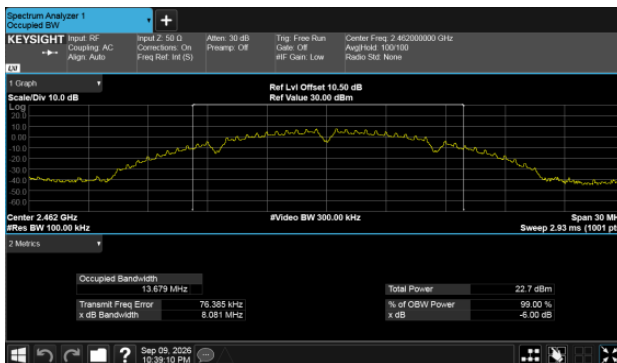
Modulation Type: 802.11b CH06



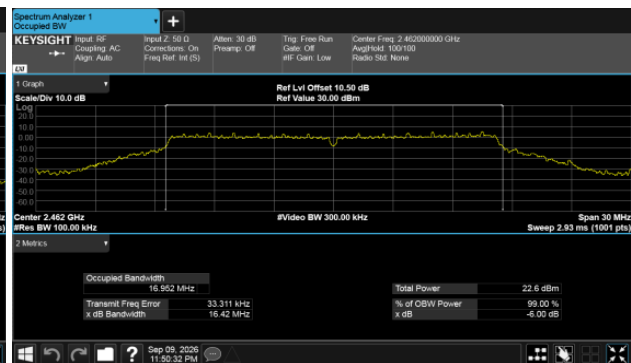
Modulation Type: 802.11g CH06



Modulation Type: 802.11b CH11



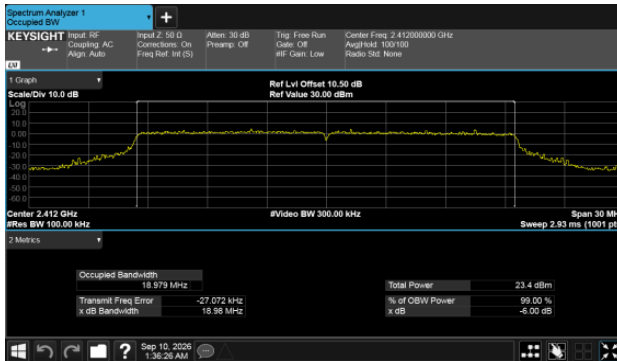
Modulation Type: 802.11g CH11





ANT-10

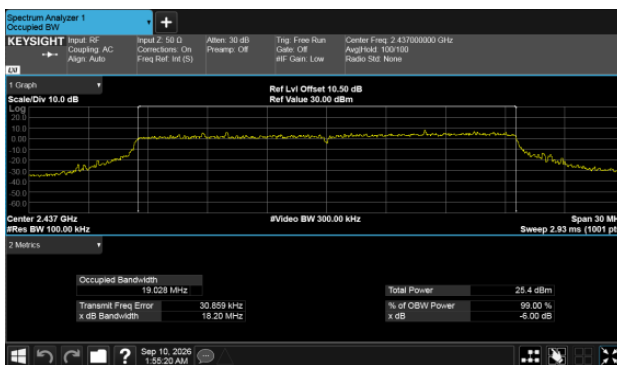
Modulation Type: 802.11be EHT20 CH01



Modulation Type: 802.11be EHT40 CH03



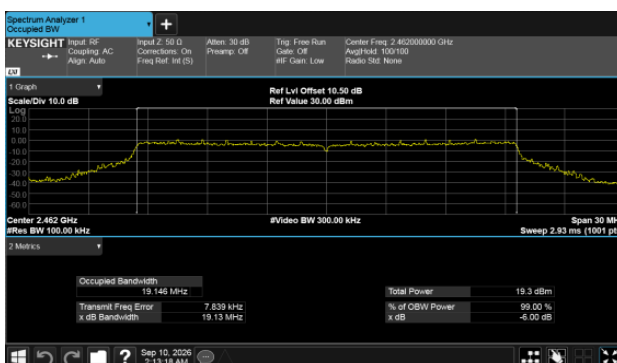
Modulation Type: 802.11be EHT20 CH06



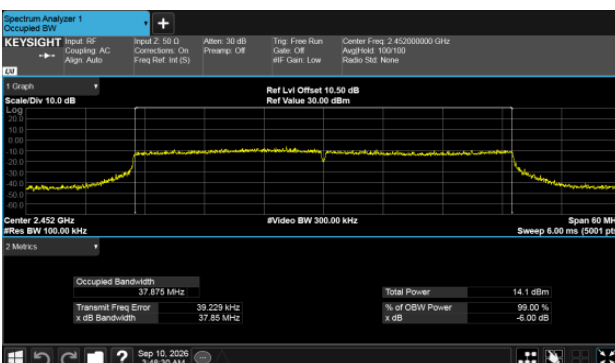
Modulation Type: 802.11be EHT40 CH06



Modulation Type: 802.11be EHT20 CH11



Modulation Type: 802.11be EHT40 CH09





10. Maximum Average Output Power

10.1 Test Limit

The Maximum Average Output Power Measurement is 30dBm.

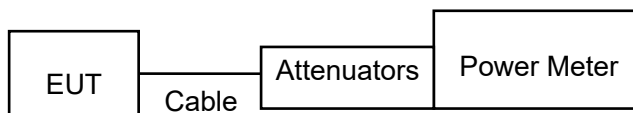
If transmitting antennas of directional gain greater than 6 dBi are used, the average output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

10.2 Test Procedures

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

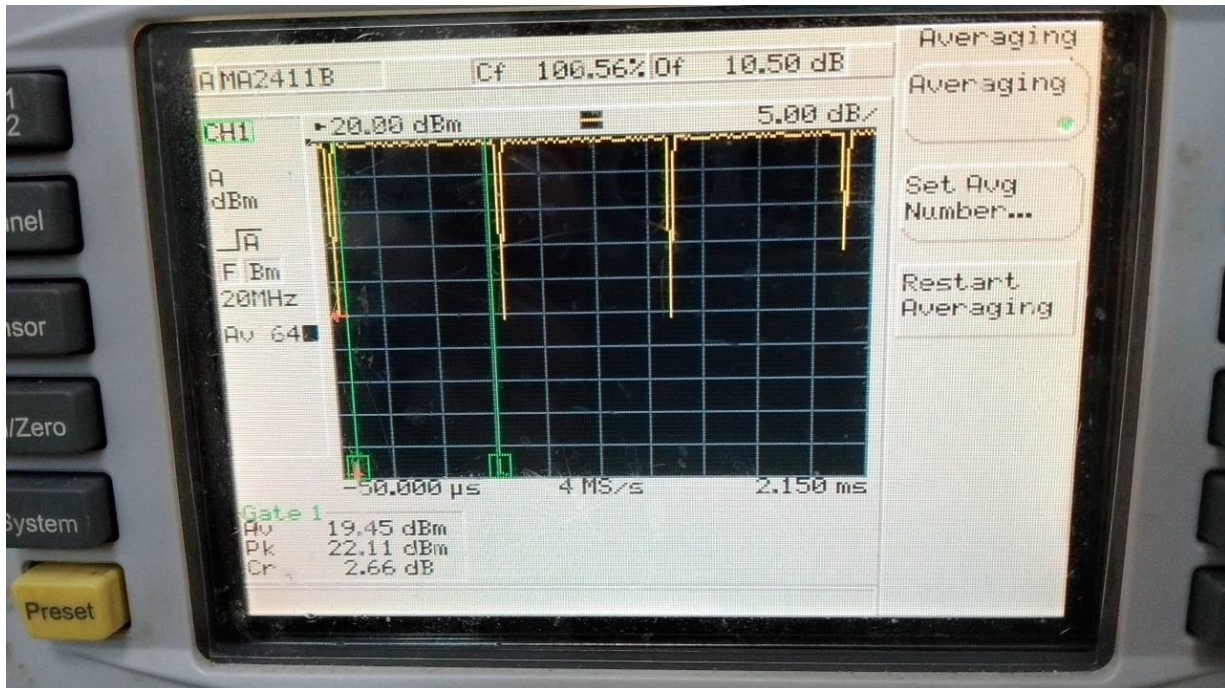


10.4 Test Result and Data

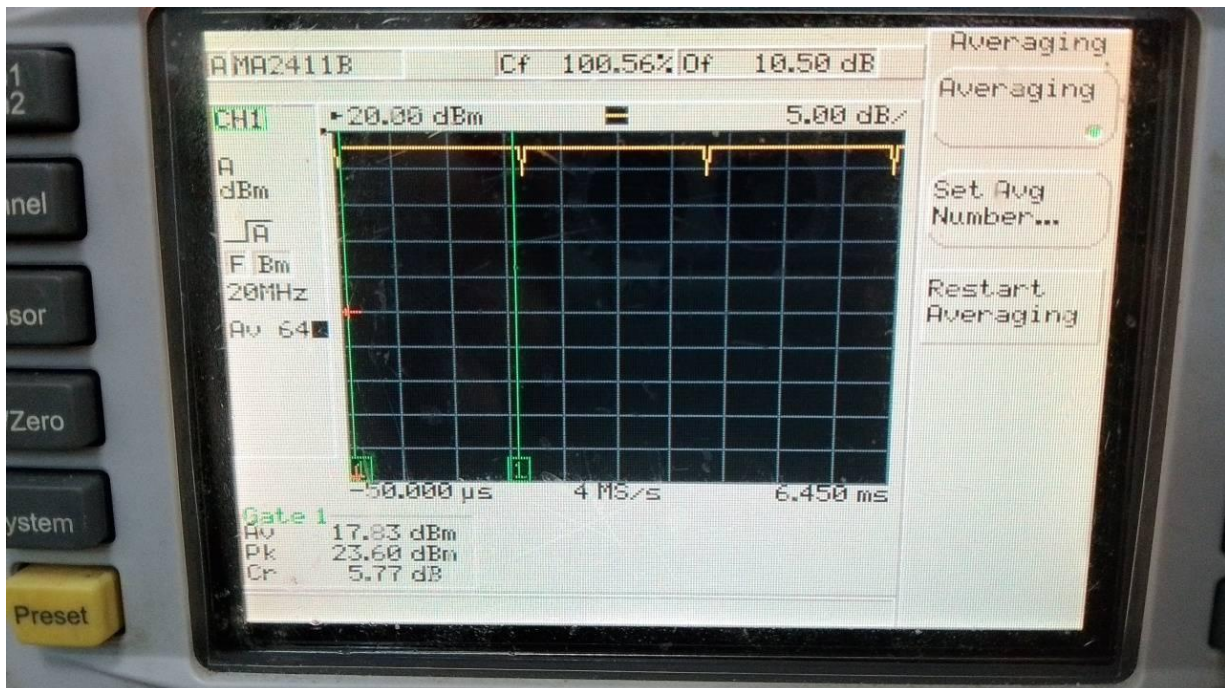
Data Rate	Setting	Modulation Mode	CH	Freq. (MHz)	Conducted (AV) output power (dBm)		Total AV power (dBm)	Total AV power (mW)	Power Limit (dBm)
					ANT-9	ANT-10			
1	20.5	11b	1	2412	19.45	19.99	22.74	187.875	30.00
	21.5		6	2437	21.53	19.33	23.58	227.937	30.00
	16.5		11	2462	16.17	15.26	18.75	74.974	30.00
6	18	11g	1	2412	17.83	17.46	20.66	116.392	30.00
	18		6	2437	17.79	17.37	20.60	114.693	30.00
	16.5		11	2462	16.26	15.58	18.94	78.408	30.00
NSS1-MCS0	17	11be EHT20	1	2412	16.81	16.41	19.62	91.726	30.00
	19		6	2437	19.07	18.46	21.79	150.869	30.00
	12.5		11	2462	12.28	11.71	15.01	31.730	30.00
NSS1-MCS0	14.5	11be EHT40	3	2422	14.28	13.55	16.94	49.438	30.00
	17.5		6	2437	16.79	15.98	19.41	87.381	30.00
	9.5		9	2452	8.48	8.10	11.30	13.503	30.00



Gate setup plot
Modulation Type: 802.11b

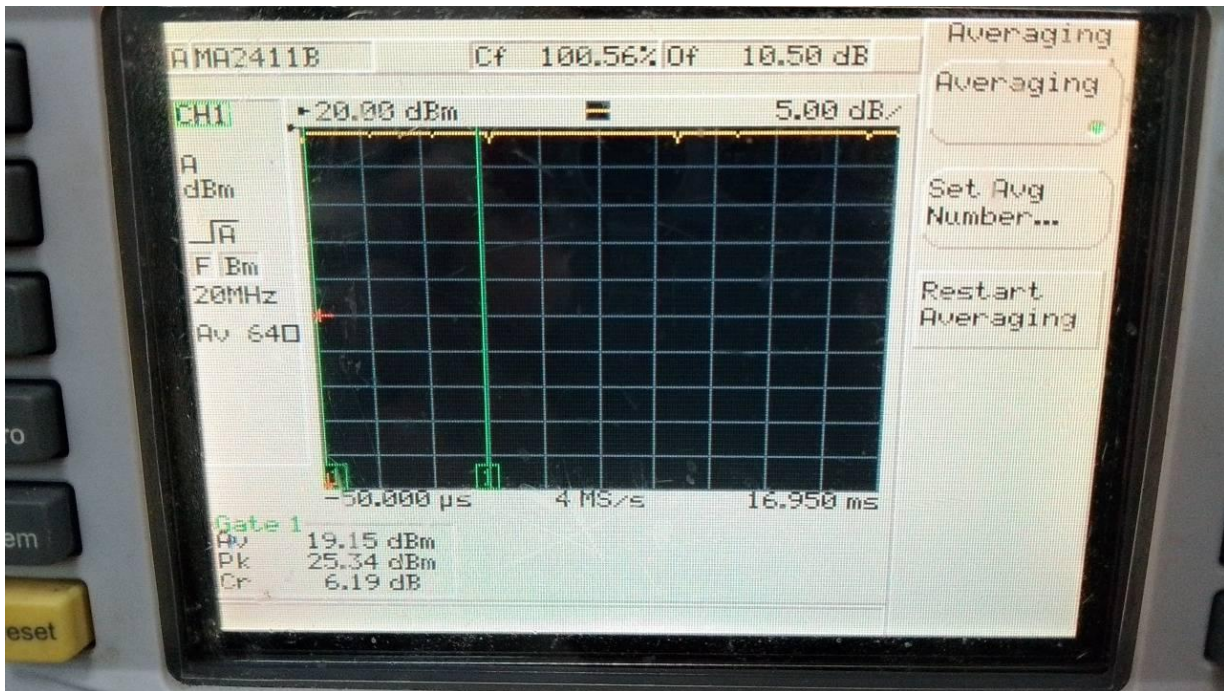


Modulation Type: 802.11g

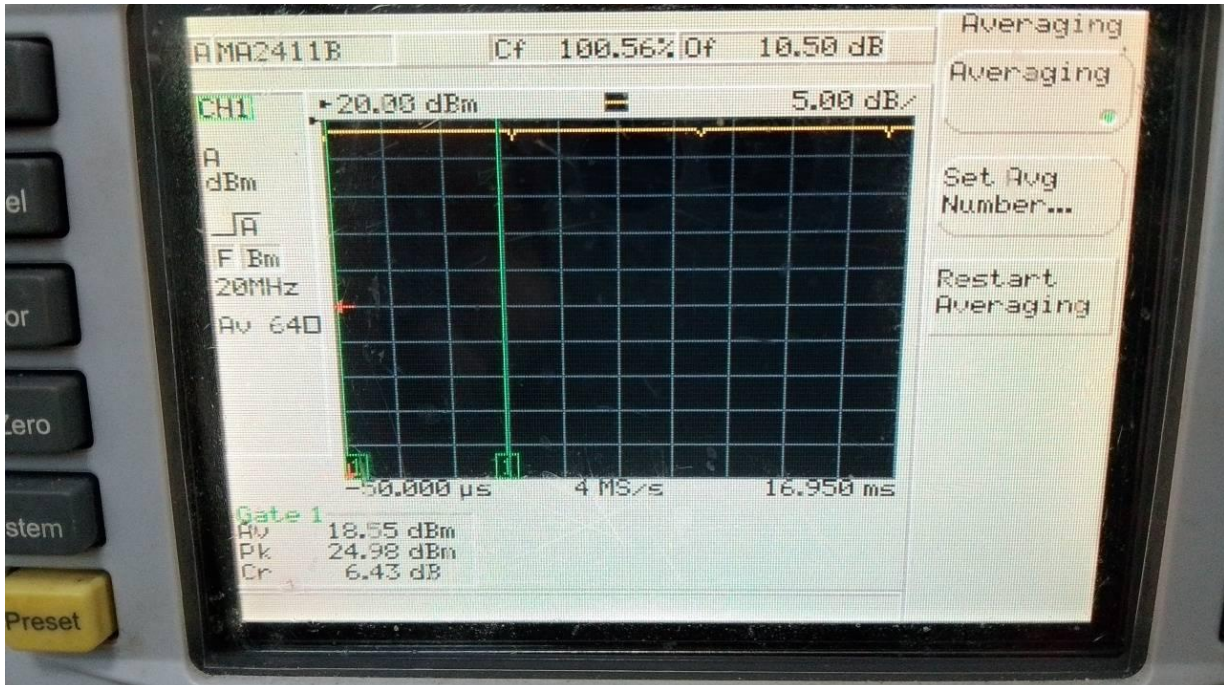




Gate setup plot
Modulation Type: 802.11be EHT20



Modulation Type: 802.11be EHT40





11. Power Spectral Density

11.1 Test Limit

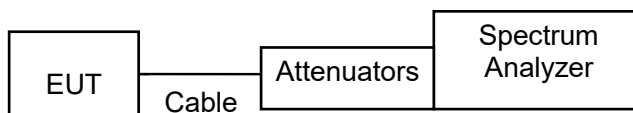
The Maximum of Power Spectral Density Measurement is 8dBm.

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 C63.10-2020 Section 11.10

11.3 Test Setup Layout



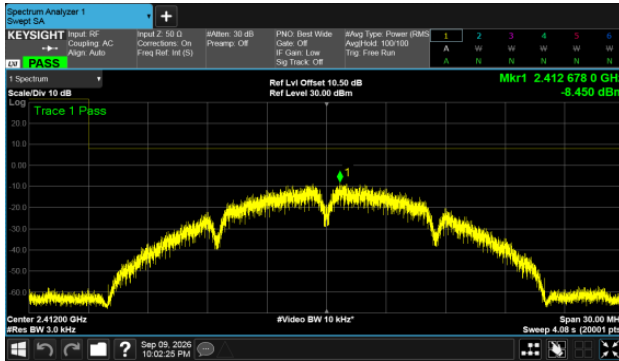
11.4 Test Result and Data

Modulation Type	CH	Frequency (MHz)	Maximum Power Density of 3kHz Bandwidth(dBm)		Sum chain (dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
			ANT A	ANT B				
11b	1	2412	-8.45	-8.413	-5.42	0.10	-5.32	8.00
	6	2437	-7.647	-7.374	-4.50	0.10	-4.40	8.00
	11	2462	-11.295	-11.194	-8.23	0.10	-8.13	8.00
11g	1	2412	-15.208	-14.957	-12.07	0.00	-12.07	8.00
	6	2437	-15.258	-14.554	-11.88	0.00	-11.88	8.00
	11	2462	-17.024	-15.905	-13.42	0.00	-13.42	8.00
11be EHT20	1	2412	-18.63	-19.156	-15.87	0.00	-15.87	8.00
	6	2437	-16.627	-15.687	-13.12	0.00	-13.12	8.00
	11	2462	-23.926	-23.02	-20.44	0.00	-20.44	8.00
11be EHT40	3	2422	-25.315	-24.305	-21.77	0.00	-21.77	8.00
	6	2437	-21.907	-20.942	-18.39	0.00	-18.39	8.00
	9	2452	-30.003	-29.186	-26.57	0.00	-26.57	8.00

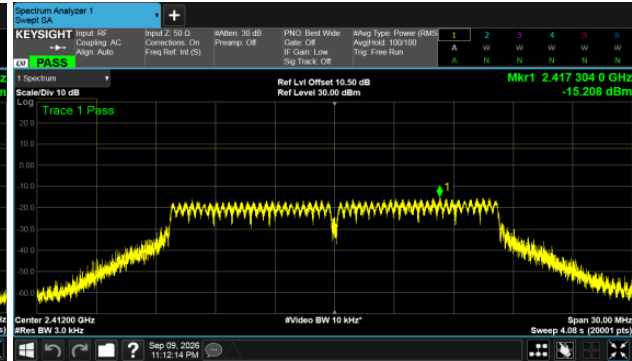


ANT-9

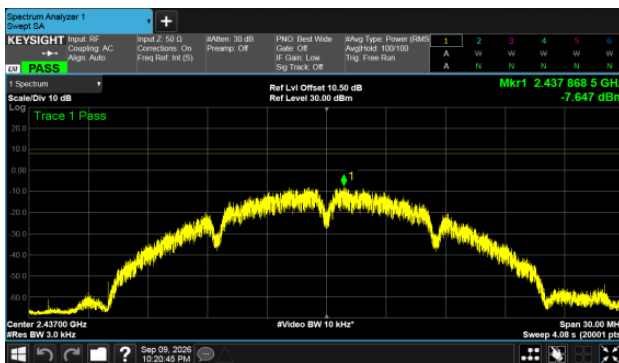
Modulation Type: 802.11b CH01



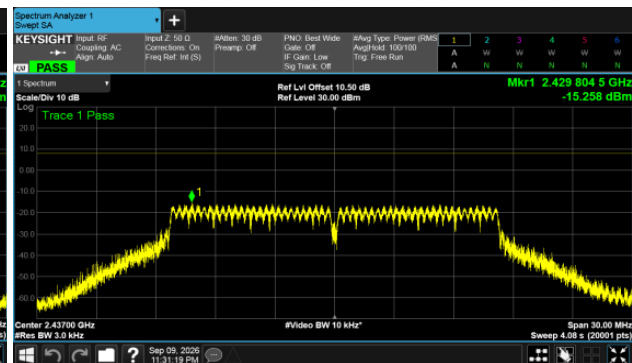
Modulation Type: 802.11g CH01



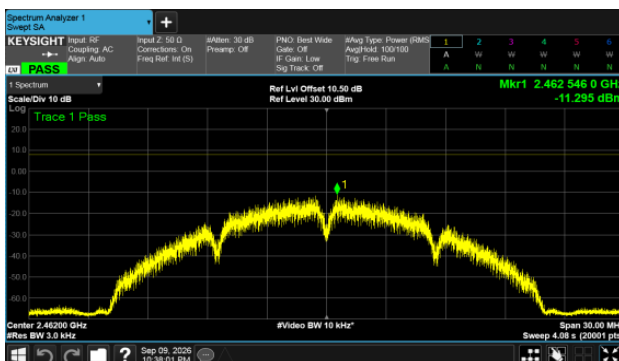
Modulation Type: 802.11b CH06



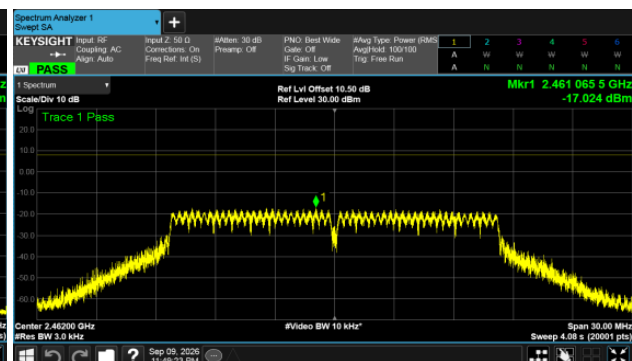
Modulation Type: 802.11g CH06



Modulation Type: 802.11b CH11



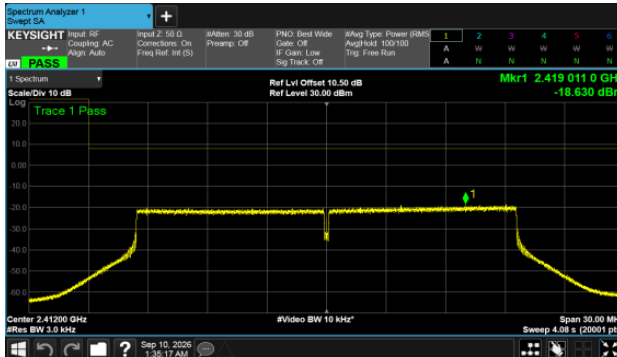
Modulation Type: 802.11g CH11



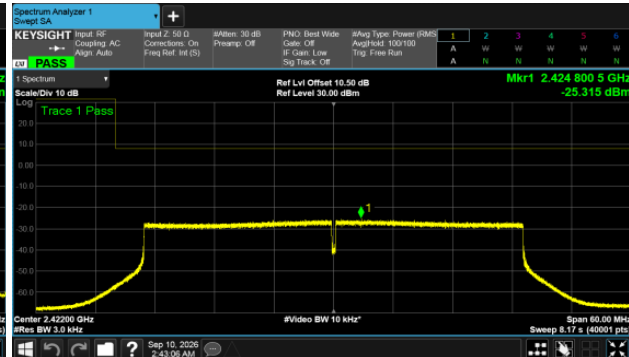


ANT-9

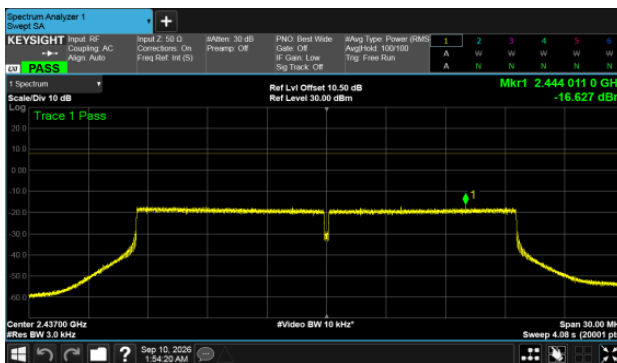
Modulation Type: 802.11be EHT20 CH01



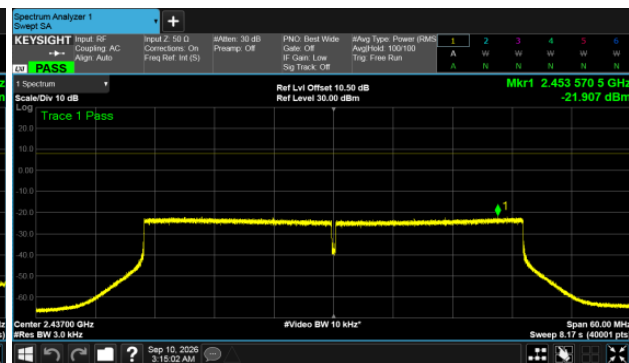
Modulation Type: 802.11be EHT40 CH03



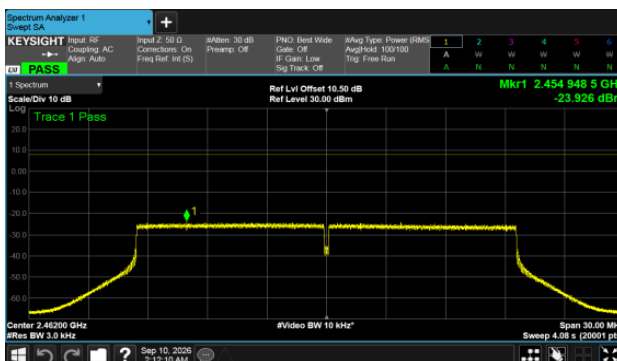
Modulation Type: 802.11be EHT20 CH06



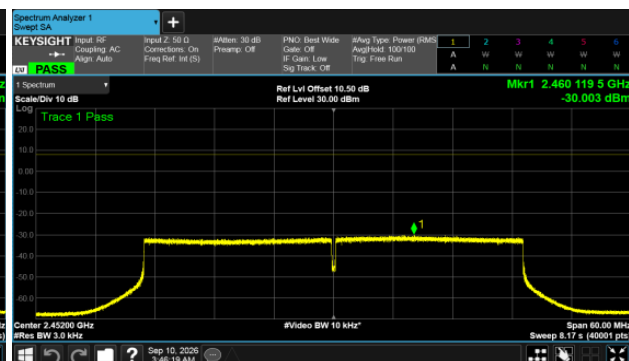
Modulation Type: 802.11be EHT40 CH06



Modulation Type: 802.11be EHT20 CH11



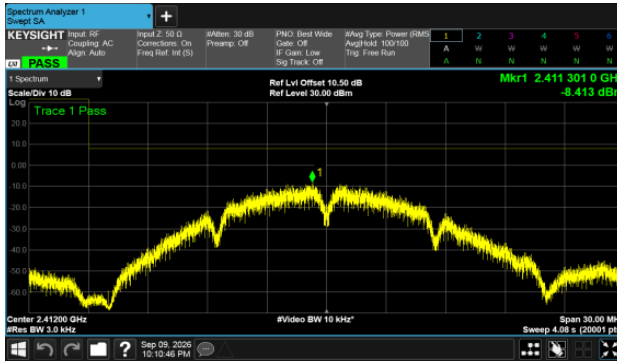
Modulation Type: 802.11be EHT40 CH09



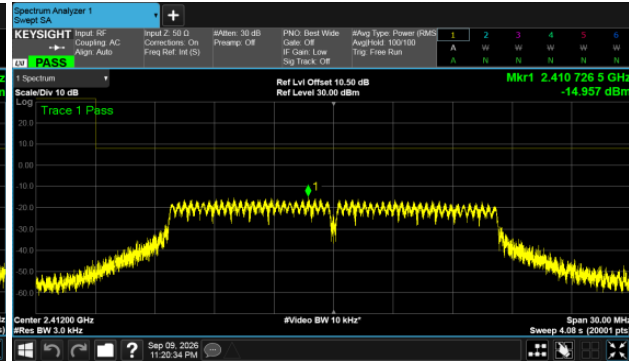


ANT-10

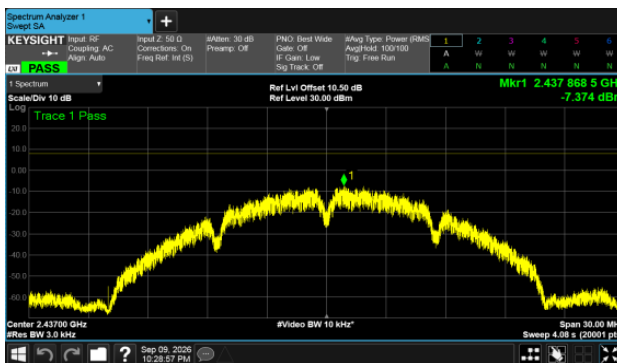
Modulation Type: 802.11b CH01



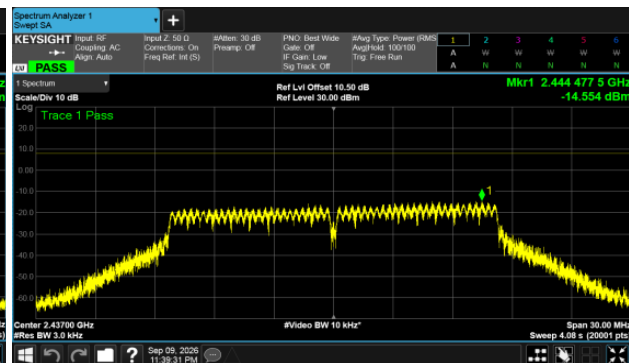
Modulation Type: 802.11g CH01



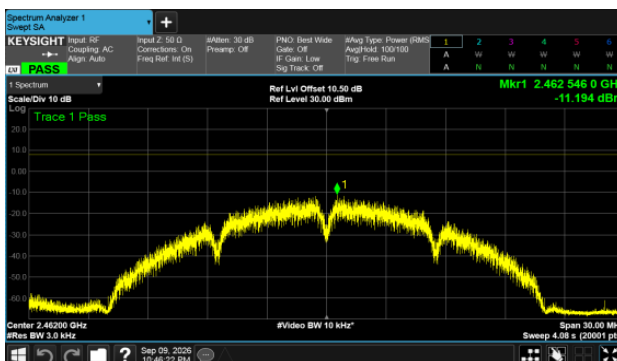
Modulation Type: 802.11b CH06



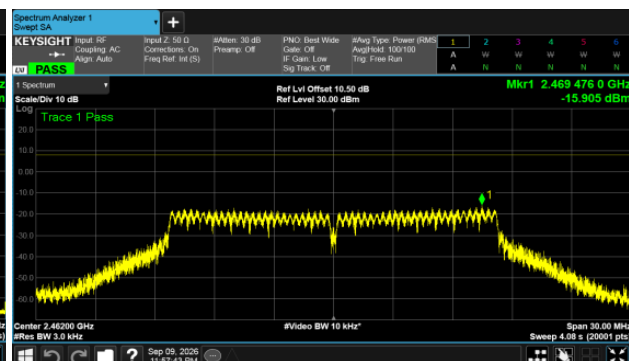
Modulation Type: 802.11g CH06



Modulation Type: 802.11b CH11



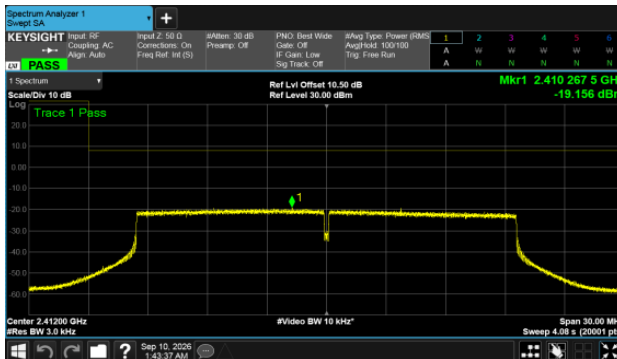
Modulation Type: 802.11g CH11



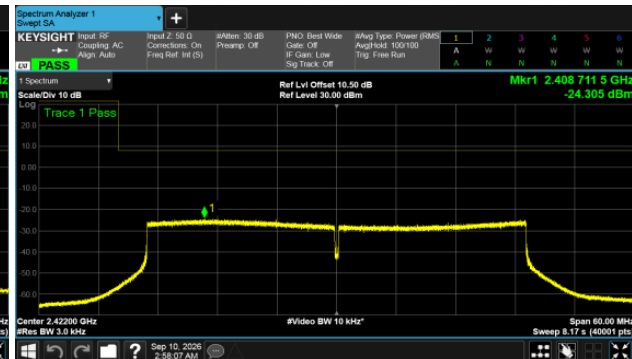


ANT-10

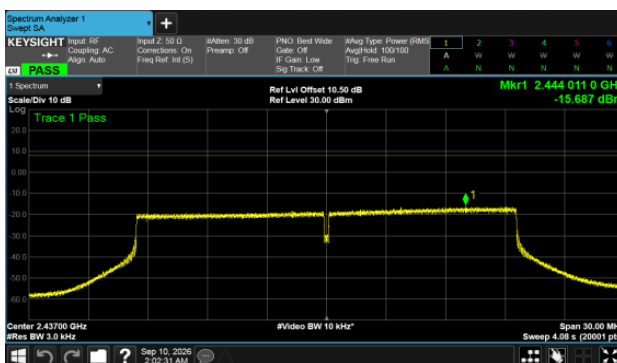
Modulation Type: 802.11be EHT20 CH01



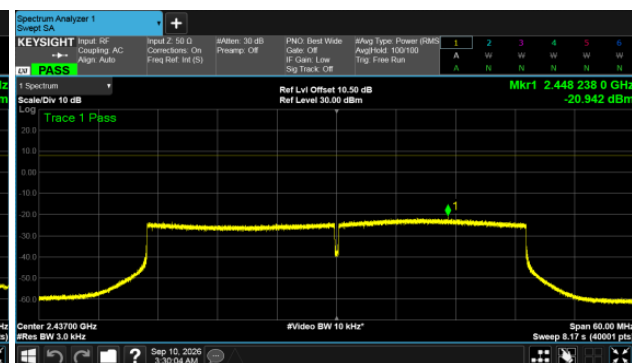
Modulation Type: 802.11be EHT40 CH03



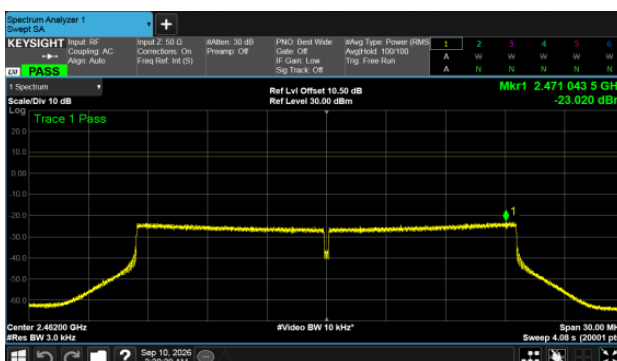
Modulation Type: 802.11be EHT20 CH06



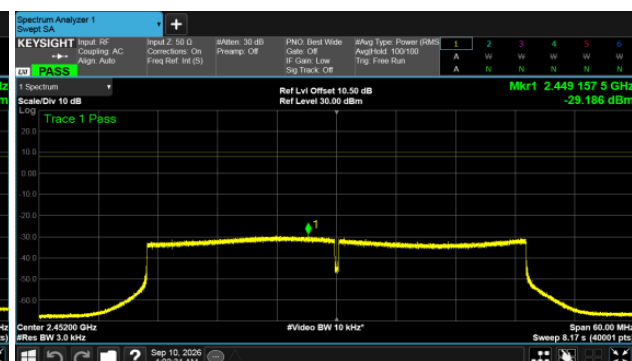
Modulation Type: 802.11be EHT40 CH06



Modulation Type: 802.11be EHT20 CH11



Modulation Type: 802.11be EHT40 CH09



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