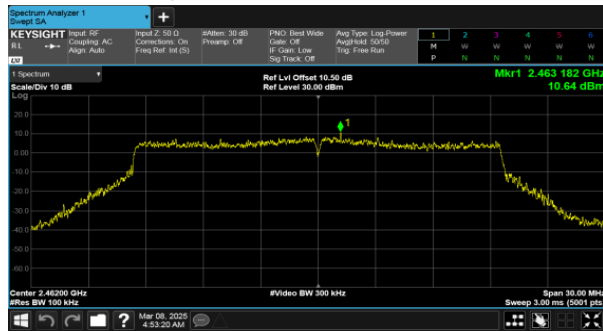




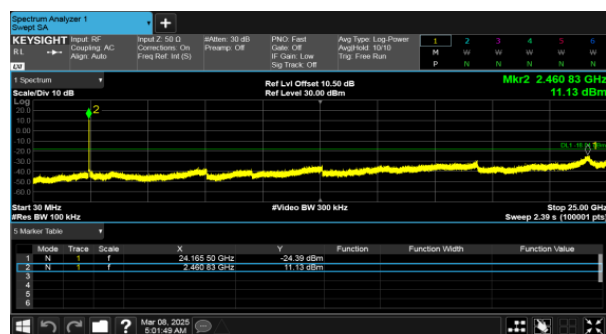
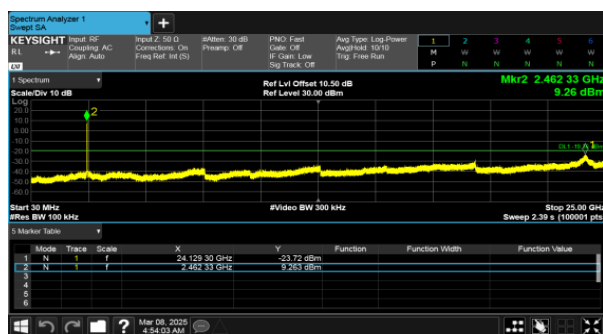
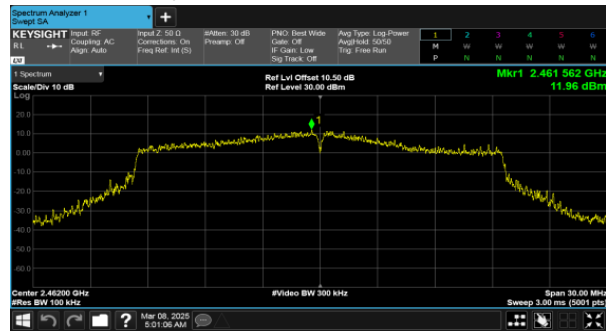
ANT B

Modulation Type: 802.11be EHT20, CH11



ANT C

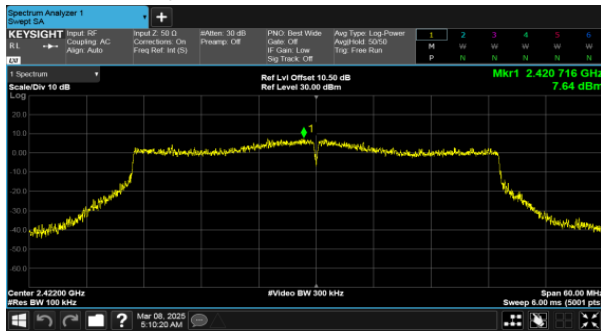
Modulation Type: 802.11be EHT20, CH11





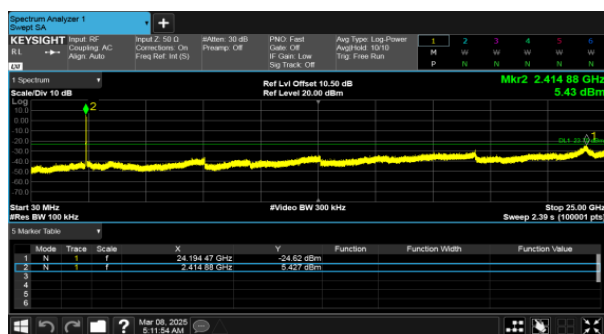
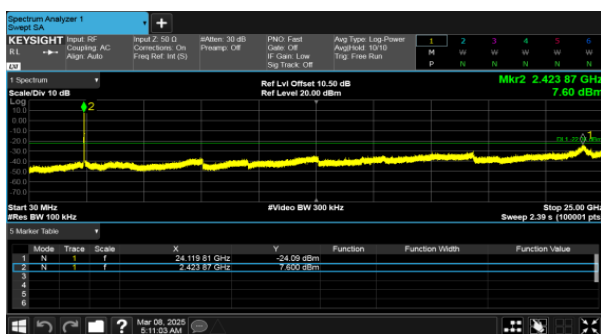
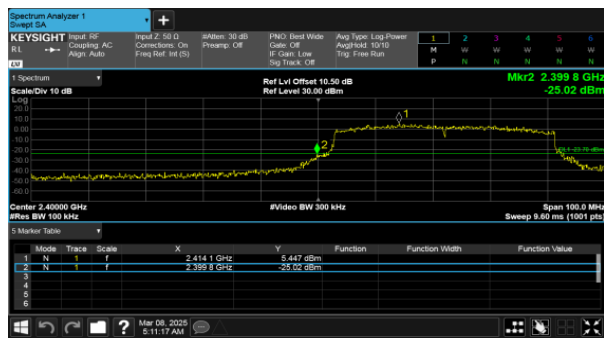
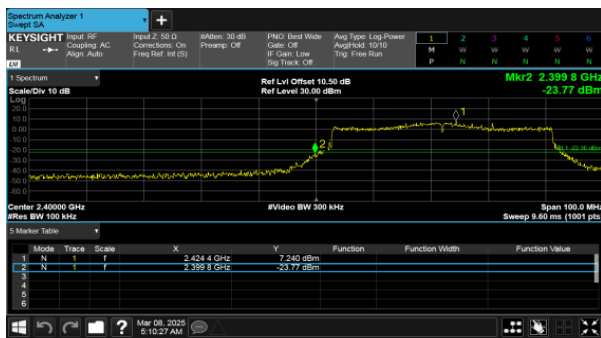
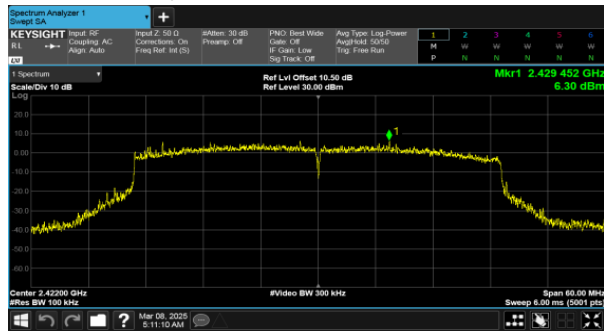
ANT B

Modulation Type: 802.11be EHT40, CH03



ANT C

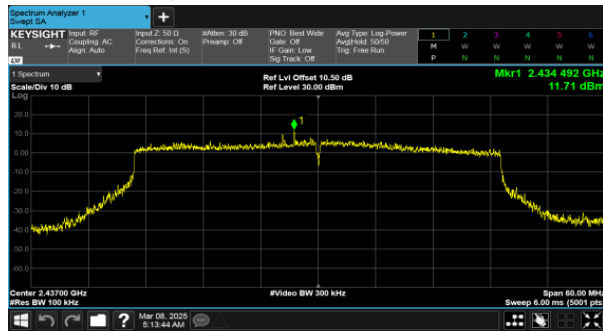
Modulation Type: 802.11be EHT40, CH03





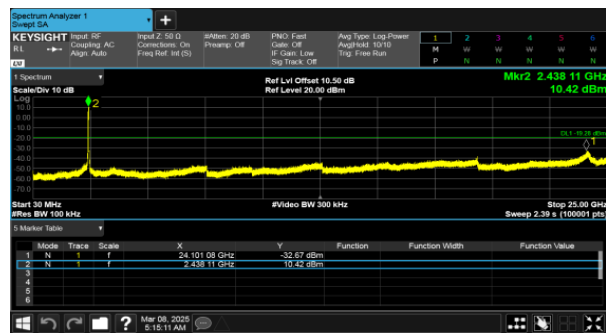
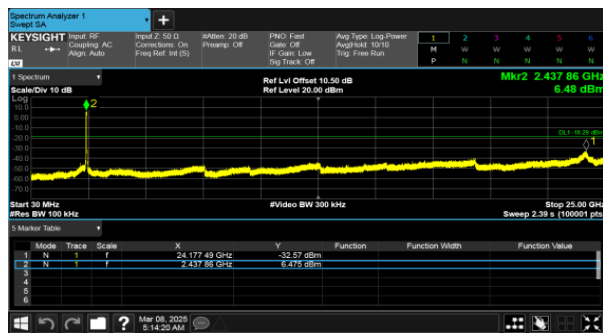
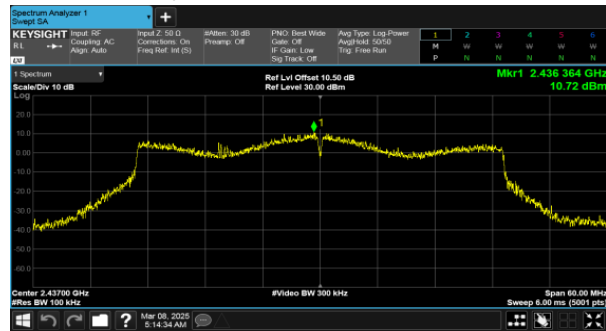
ANT B

Modulation Type: 802.11be EHT40, CH06



ANT C

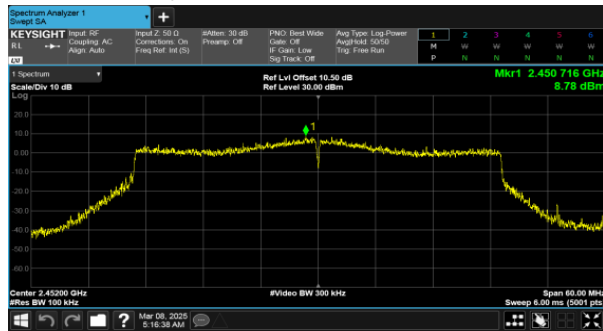
Modulation Type: 802.11be EHT40, CH06





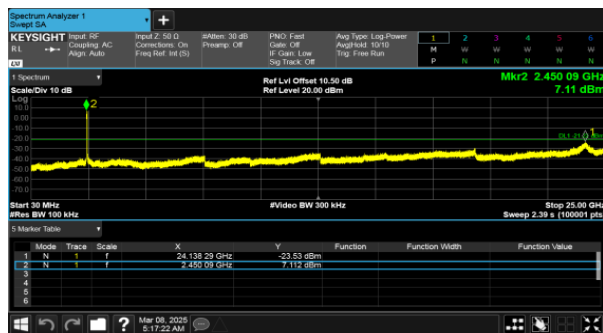
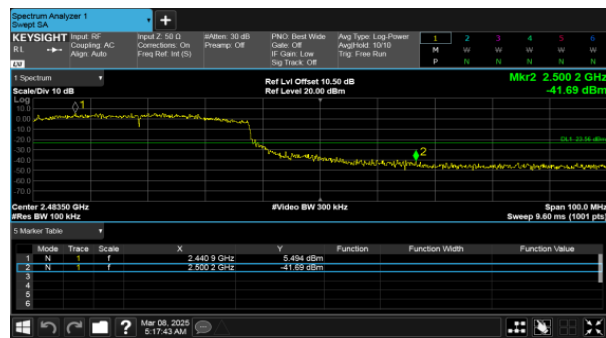
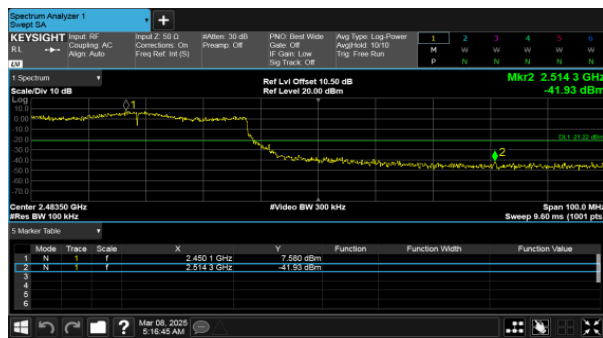
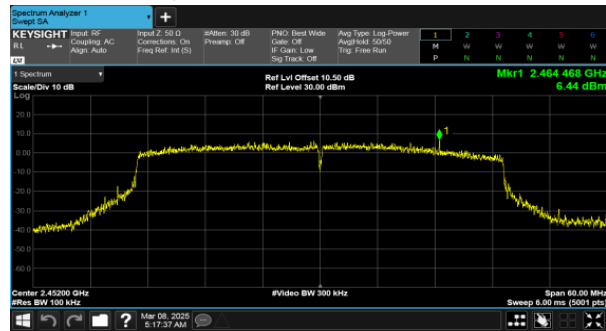
ANT B

Modulation Type: 802.11be EHT40, CH09



ANT C

Modulation Type: 802.11be EHT40, CH09





8. On Time, Duty Cycle and Measurement methods

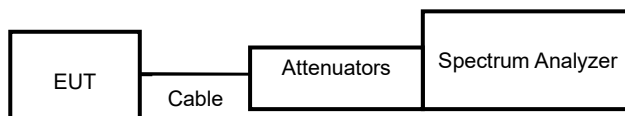
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

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

8.3 Test Setup Layout

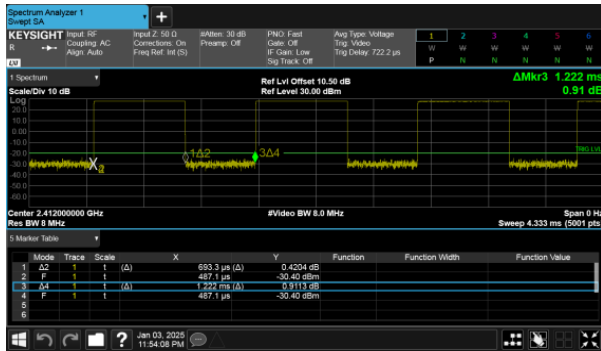


8.4 Test Result and Data

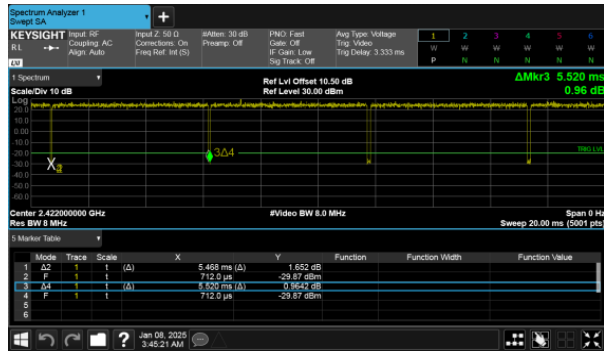
Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)
11b,1M	0.693	1.222	56.73%
11g,6M	1.982	1.992	99.50%
11be EHT20	5.472	5.556	98.49%
11be EHT40	5.468	5.520	99.06%



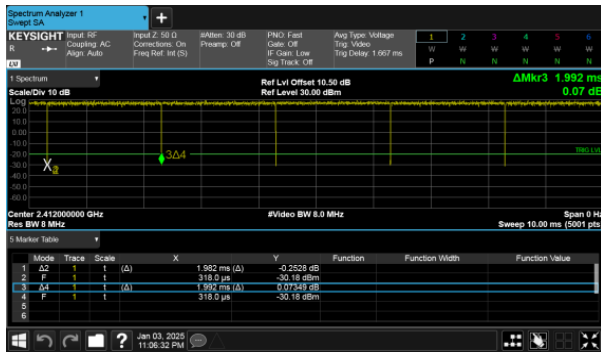
Modulation Type: 802.11b



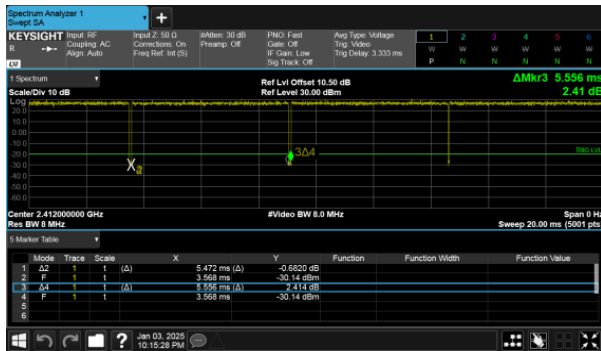
Modulation Type: 802.11be EHT40



Modulation Type: 802.11g



Modulation Type: 802.11be EHT20





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

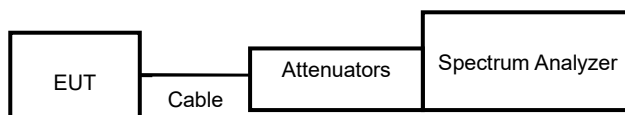
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

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

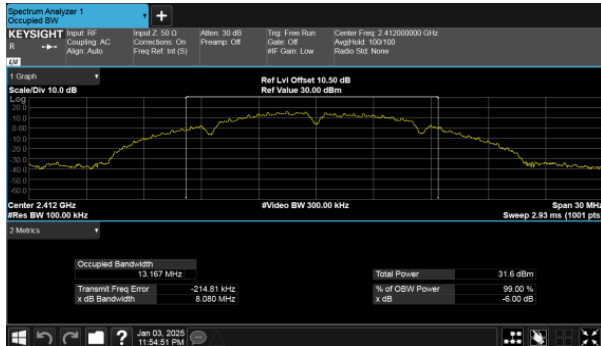


9.4 Test Result and Data

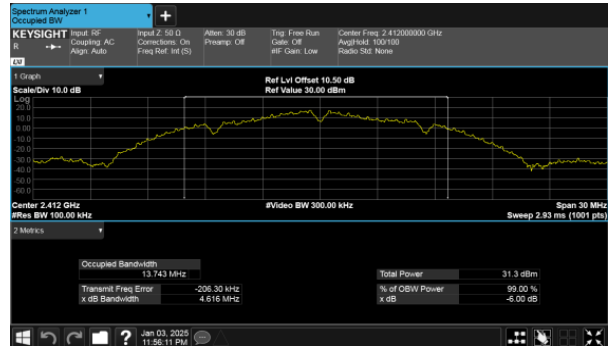
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
			ANT B	ANT C	
11b	1	2412	8.08	4.62	0.5
	6	2437	6.60	9.10	0.5
	11	2462	6.59	9.09	0.5
11g	1	2412	15.08	15.12	0.5
	6	2437	15.14	15.02	0.5
	11	2462	15.15	12.61	0.5
11be EHT20	1	2412	13.79	13.87	0.5
	6	2437	16.27	17.88	0.5
	11	2462	11.33	11.39	0.5
11be EHT40	3	2422	35.05	33.83	0.5
	6	2437	20.02	25.00	0.5
	9	2452	37.21	30.01	0.5



6dB Bandwidth
ANT B
Modulation Type: 802.11b
CH01



ANT C
Modulation Type: 802.11b
CH01



CH06



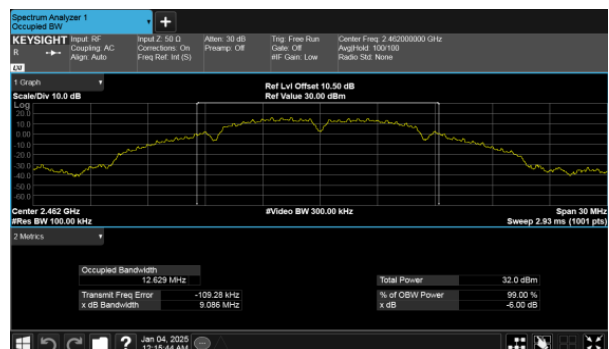
CH06



CH11

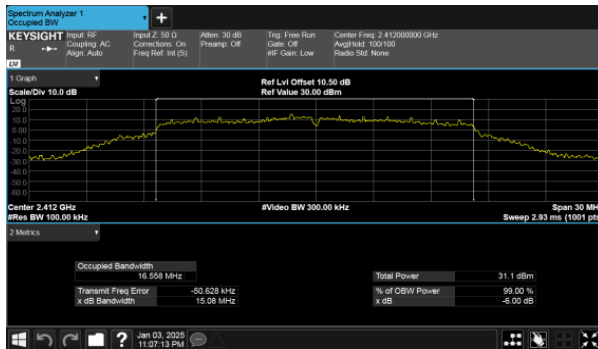


CH11

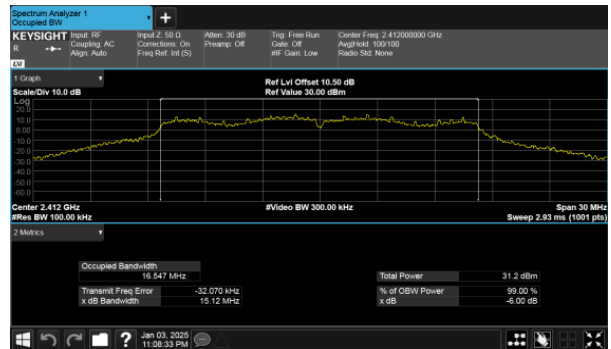




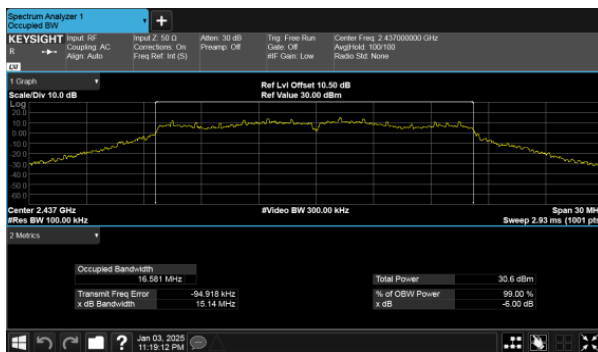
ANT B
Modulation Type: 802.11g
CH01



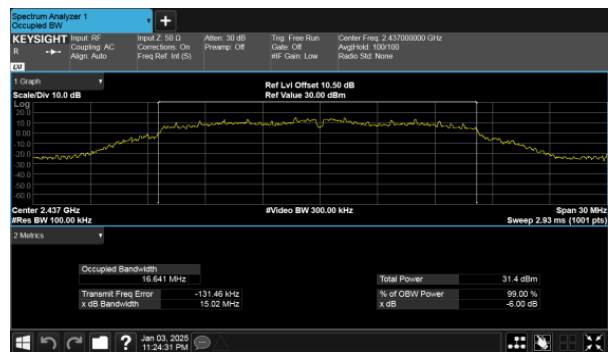
ANT C
Modulation Type: 802.11g
CH01



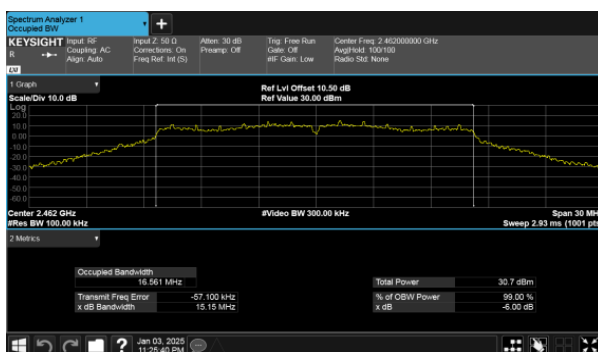
CH06



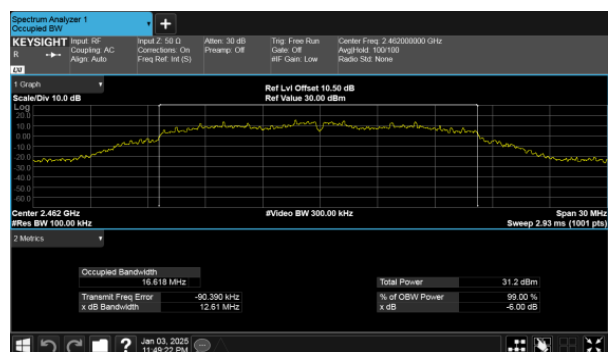
CH06



CH11



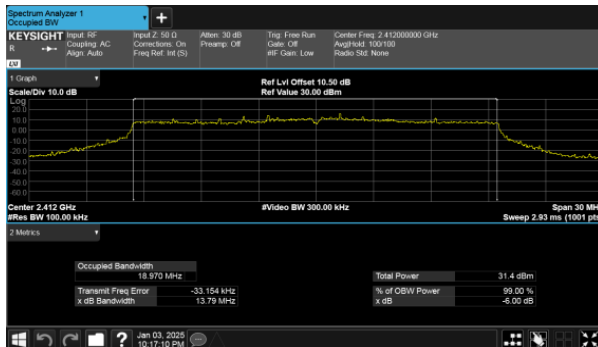
CH11





ANT B

Modulation Type: 802.11be EHT20
CH01

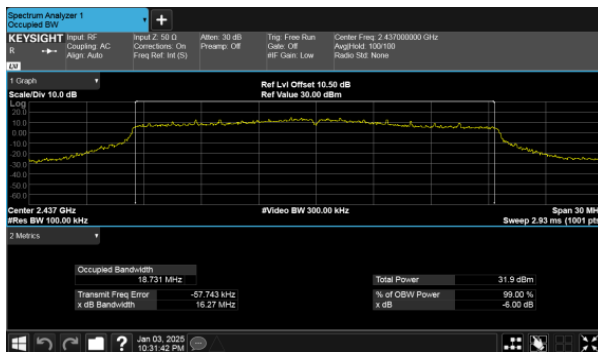


ANT C

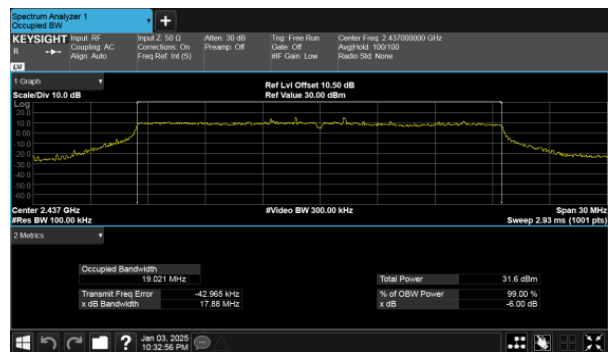
Modulation Type: 802.11be EHT20
CH01



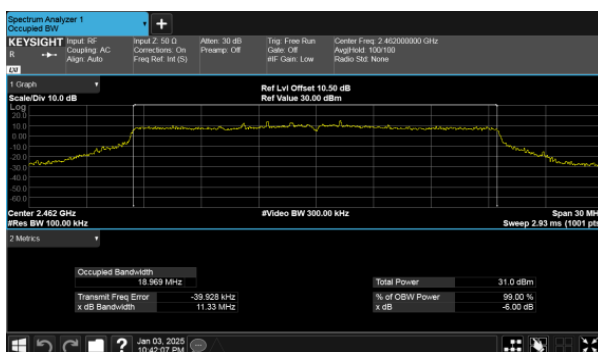
CH06



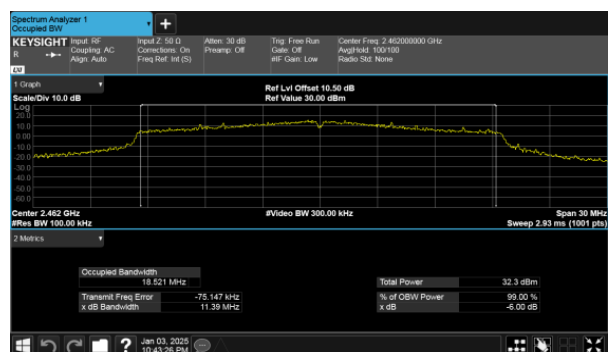
CH06



CH11

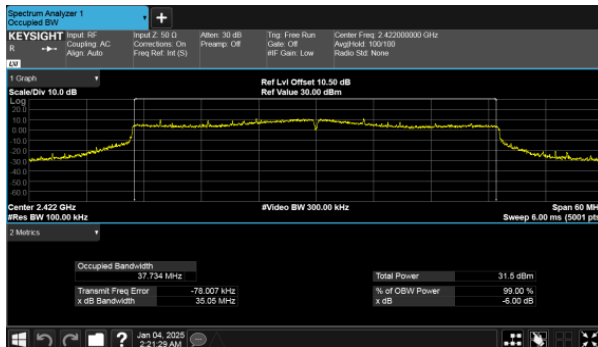


CH11

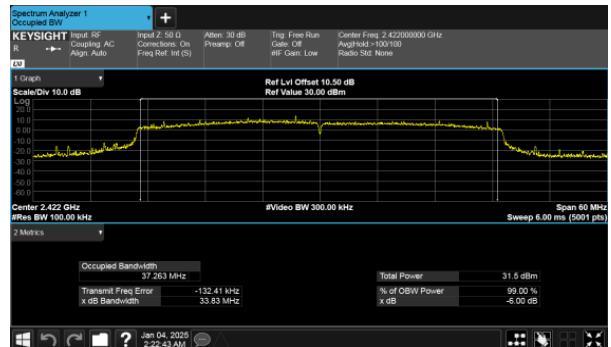




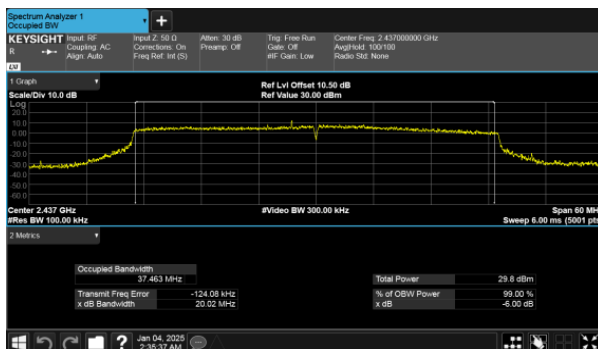
ANT B
Modulation Type: 802.11be EHT40
CH03



ANT C
Modulation Type: 802.11be EHT40
CH03



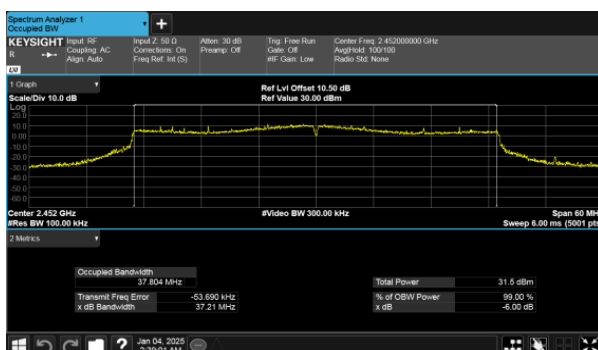
CH06



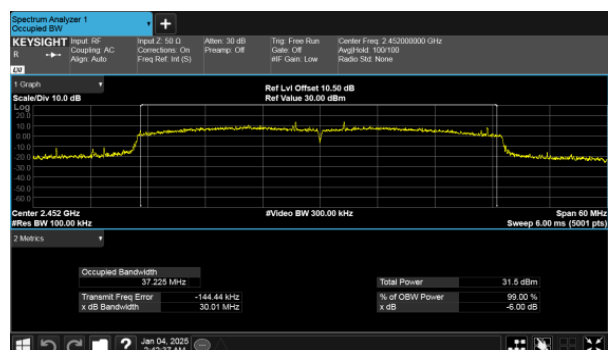
CH06



CH09



CH09





10. Maximum Average Output Power

10.1 Test Limit

The Maximum Average Output Power Measurement is 30dBm.

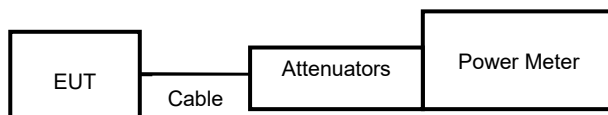
If transmitting antennas of directional gain greater than 6 dBi are used, the average output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

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

Non-Beamforming

Data Rate	Setting	Modulation Mode	Channel	Frequency (MHz)	Conducted(average) output power (dBm)		Total AV power (dBm)	Total AV power (mW)	Power Limit (dBm)
					ANT B	ANT C			
1	25	11b	1	2412	23.30	23.15	26.24	420.33	30.00
	26.5		6	2437	24.23	25.06	27.68	585.48	30.00
	27		11	2462	24.85	24.96	27.92	618.82	30.00
6	25.5	11g	1	2412	22.47	22.64	25.57	360.26	30.00
	27		6	2437	24.43	25.28	27.89	614.62	30.00
	24.5		11	2462	22.21	22.53	25.38	345.40	30.00
NSS1-MCS0	24	11ax HE20	1	2412	22.53	21.81	25.20	330.77	30.00
	27.5		6	2437	25.21	25.07	28.15	653.26	30.00
	23.5		11	2462	22.29	23.56	25.98	396.42	30.00
NSS1-MCS0	23	11ax HE40	3	2422	21.83	21.33	24.60	288.24	30.00
	24		6	2437	22.28	23.49	25.94	392.40	30.00
	23		9	2452	21.76	22.35	25.08	321.76	30.00
NSS1-MCS0	24	11be EHT20	1	2412	22.56	21.85	25.23	333.41	30.00
	27.5		6	2437	25.26	25.10	28.19	659.33	30.00
	23.5		11	2462	22.31	23.58	26.00	398.25	30.00
NSS1-MCS0	24	11be EHT40	3	2422	22.49	22.61	25.56	359.81	30.00
	24		6	2437	22.31	23.51	25.96	394.60	30.00
	23		9	2452	21.80	22.38	25.11	324.34	30.00

Beamforming

Data Rate	Setting	Modulation Mode	Channel	Frequency (MHz)	Conducted(average) output power (dBm)		Total AV power (dBm)	Total AV power (mW)	Power Limit (dBm)
					ANT B	ANT C			
NSS1-MCS0	21	11ax HE20	1	2412	19.16	18.51	21.86	153.372	30.00
	24.5		6	2437	22.08	21.87	24.99	315.251	30.00
	20.5		11	2462	19.08	20.18	22.68	185.141	30.00
NSS1-MCS0	20	11ax HE40	3	2422	18.49	18.02	21.27	134.019	30.00
	21		6	2437	19.05	20.19	22.67	184.825	30.00
	20		9	2452	18.53	19.17	21.87	153.889	30.00
NSS1-MCS0	21	11be EHT20	1	2412	19.23	18.58	21.93	155.864	30.00
	24.5		6	2437	22.02	21.84	24.94	311.977	30.00
	20.5		11	2462	19.12	20.26	22.74	187.828	30.00
NSS1-MCS0	21	11be EHT40	3	2422	19.15	19.27	22.22	166.752	30.00
	21		6	2437	19.11	20.16	22.68	185.223	30.00
	20		9	2452	18.47	19.02	21.76	150.107	30.00



11. Power Spectral Density

11.1 Test Limit

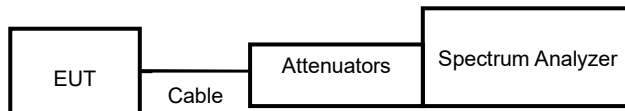
The Maximum of Power Spectral Density Measurement is 8dBm.

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**

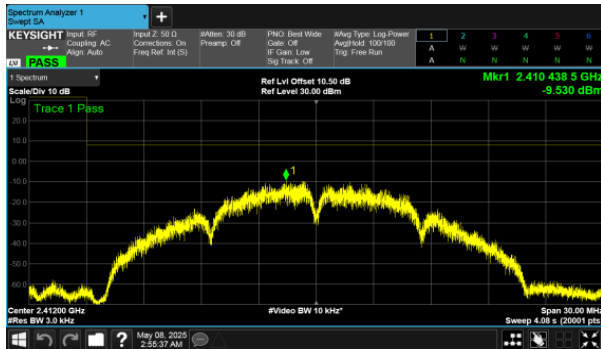
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)		Sum chain (dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
			ANT B	ANT C				
11b	1	2412	-9.53	-10.169	-6.83	2.46	-4.37	8.00
	6	2437	-6.488	-3.086	-1.45	2.46	1.01	8.00
	11	2462	-1.684	-1.149	1.60	2.46	4.06	8.00
11g	1	2412	-6.719	-5.367	-2.98	0.00	-2.98	8.00
	6	2437	-6.153	-6.088	-3.11	0.00	-3.11	8.00
	11	2462	-6.81	-6.823	-3.81	0.00	-3.81	8.00
11be EHT20	1	2412	-10.605	-7.757	-5.94	0.00	-5.94	8.00
	6	2437	-10.03	-7.589	-5.63	0.00	-5.63	8.00
	11	2462	-11.266	-8.349	-6.56	0.00	-6.56	8.00

Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 100KHz Bandwidth(dBm)		Sum chain (dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
			ANT B	ANT C				
11be EHT40	3	2422	0.853	-2.332	2.56	0.00	2.56	8.00
	6	2437	-0.083	3.245	4.90	0.00	4.90	8.00
	9	2452	0.933	-1.76	2.80	0.00	2.80	8.00



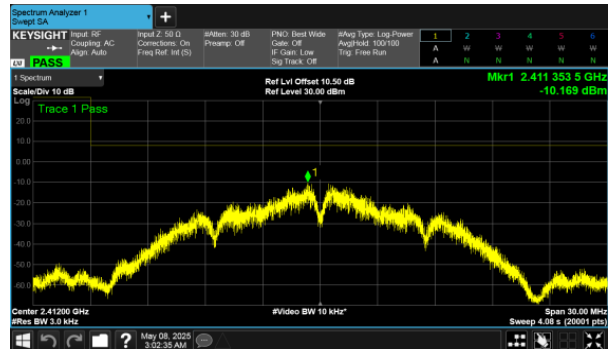
ANT B

Modulation Type: 802.11b
CH01

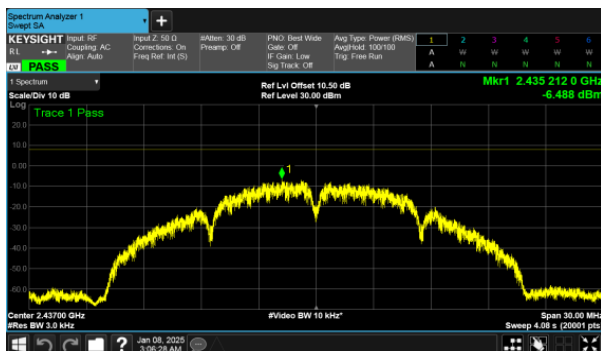


ANT C

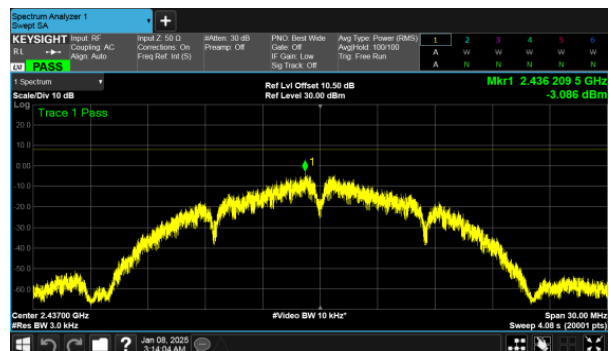
Modulation Type: 802.11b
CH01



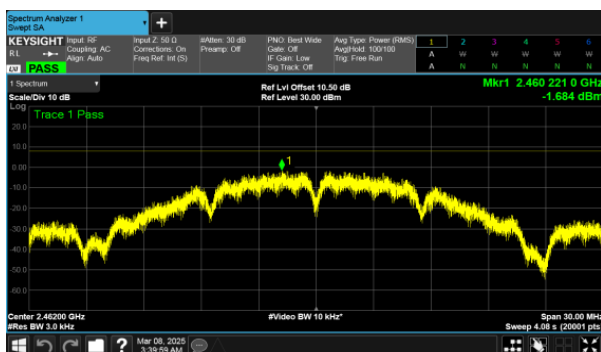
CH06



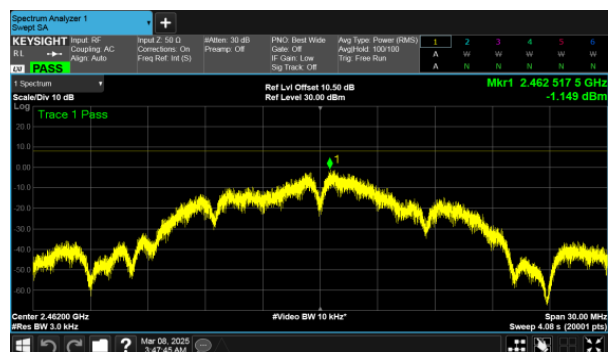
CH06



CH11



CH11

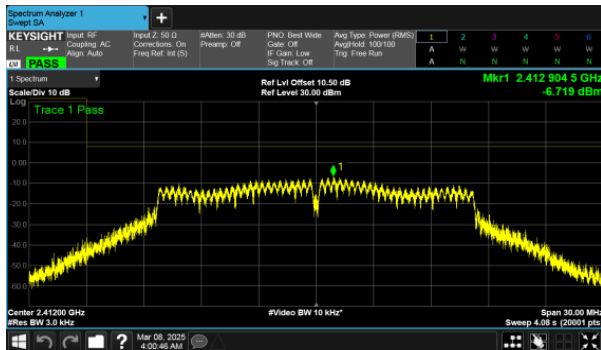




ANT B

Modulation Type: 802.11g

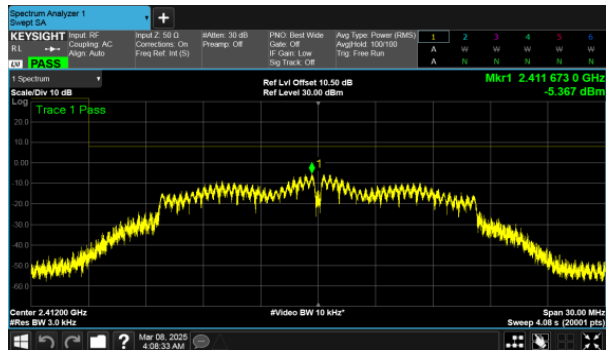
CH01



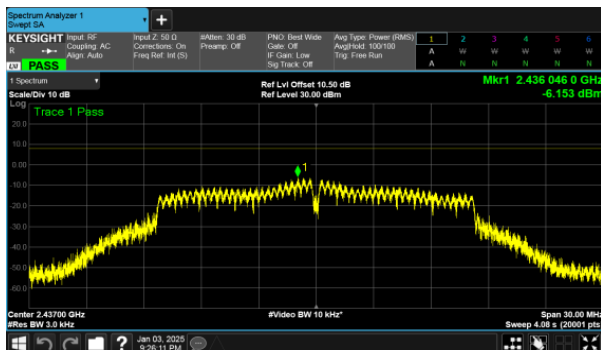
ANT C

Modulation Type: 802.11g

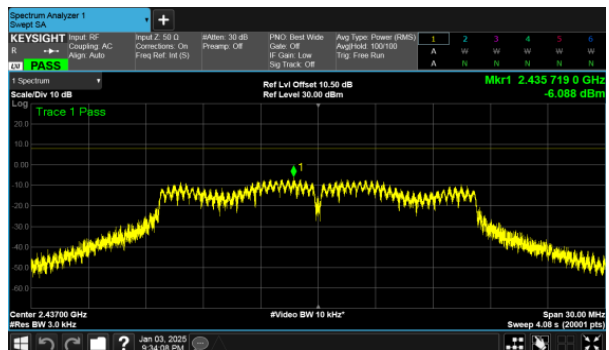
CH01



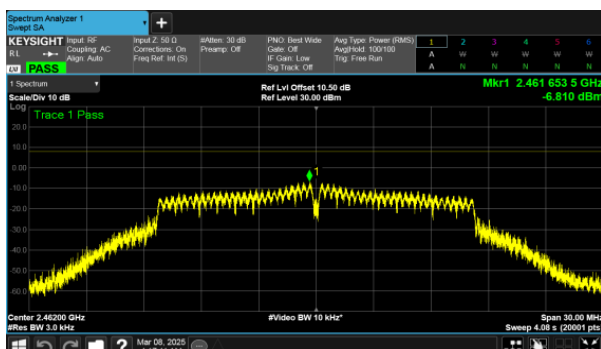
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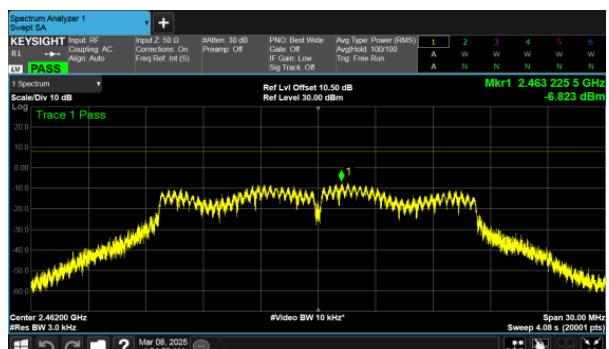
CH06



CH11

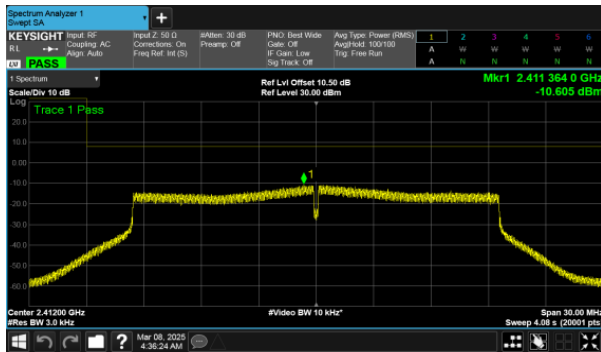


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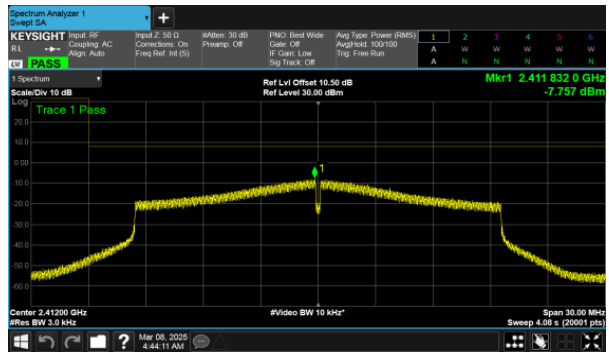




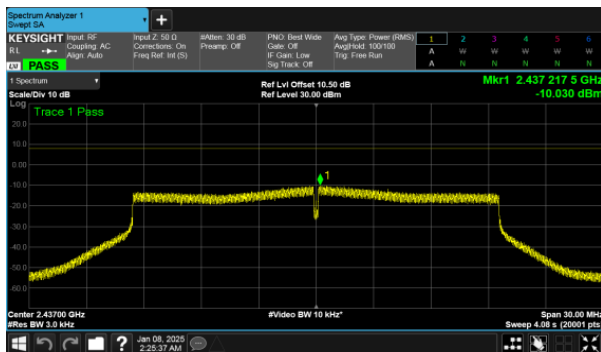
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CH01



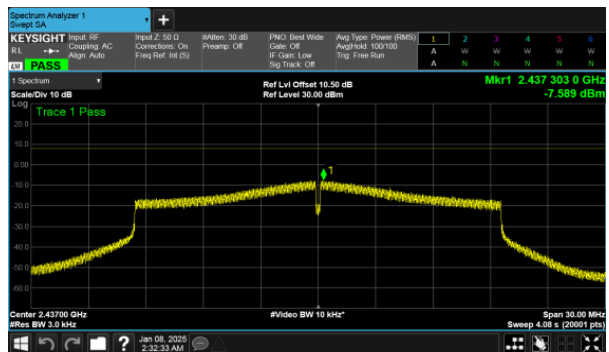
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CH01



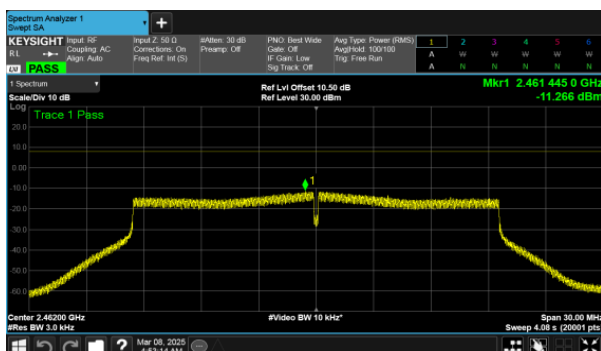
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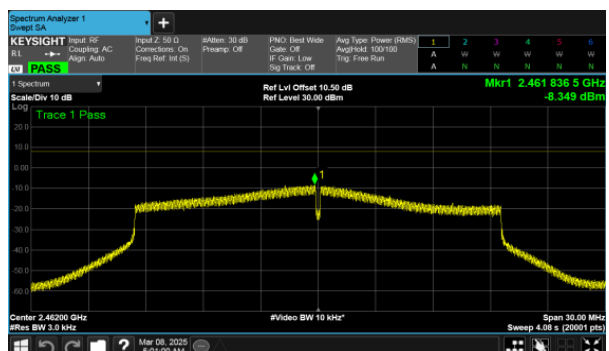
CH06



CH11



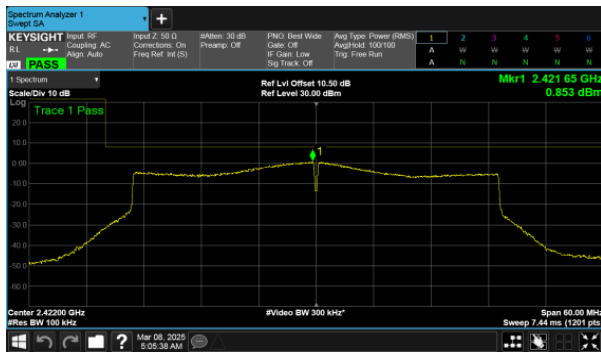
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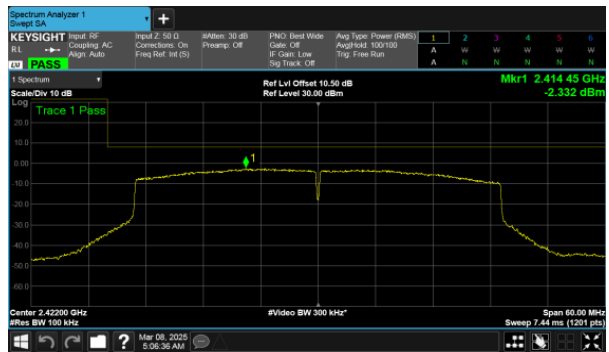
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CH03

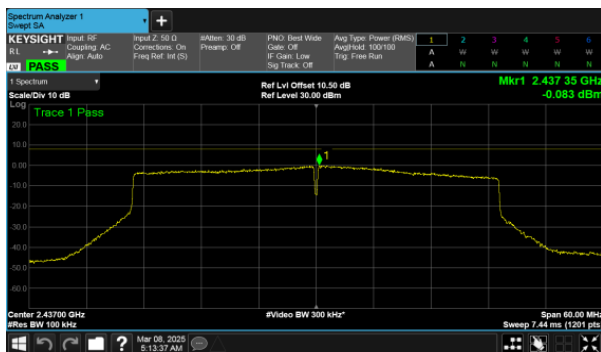


ANT C

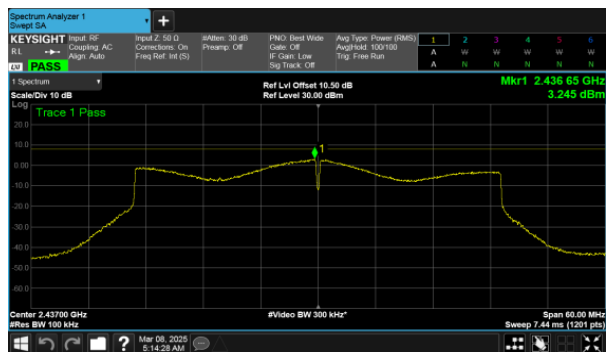
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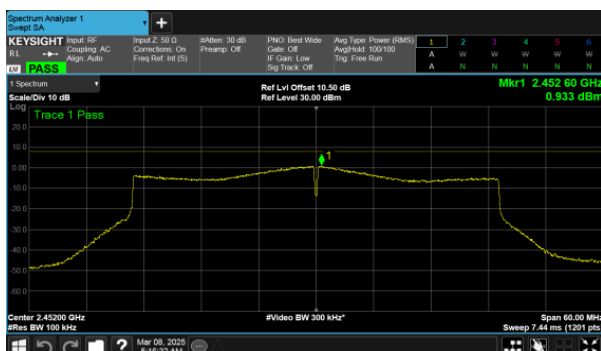
CH06



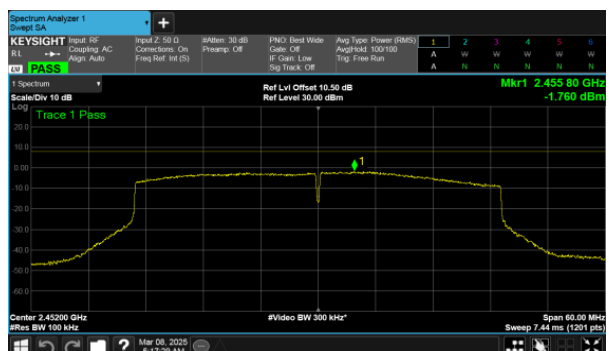
CH06



CH09



CH09



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