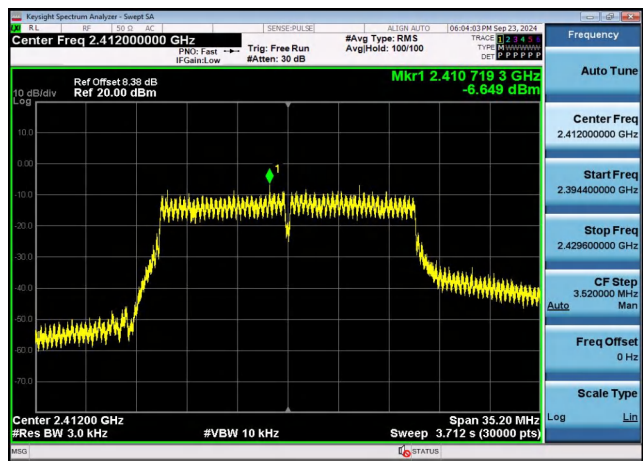
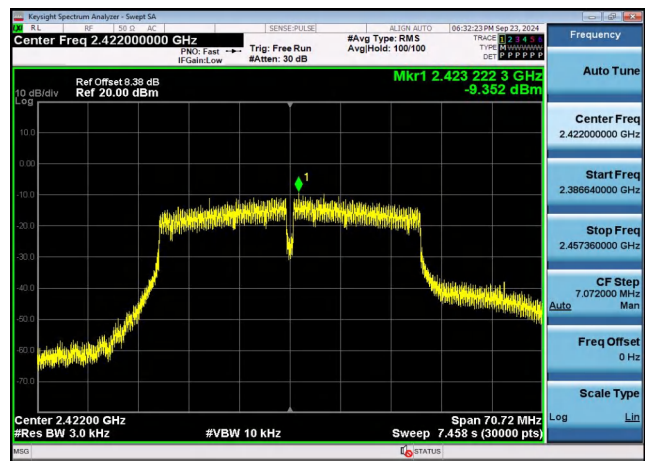


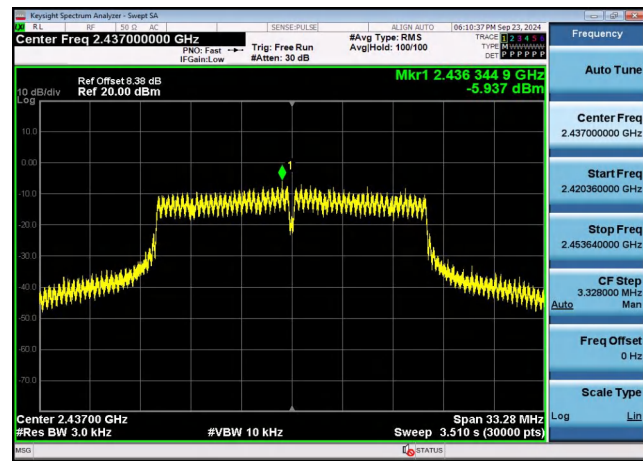
802.11n HT20



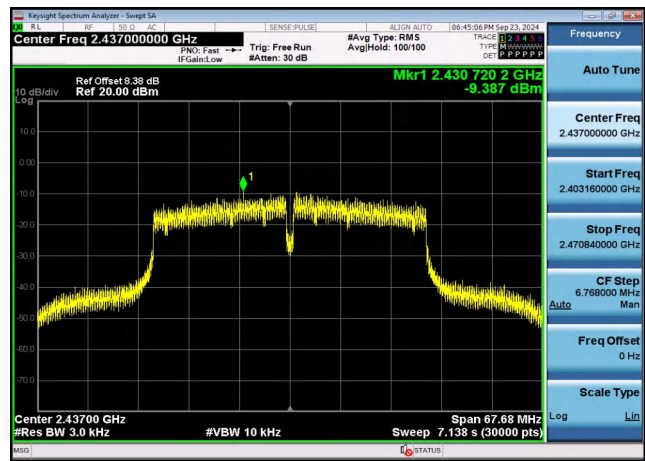
802.11n HT40



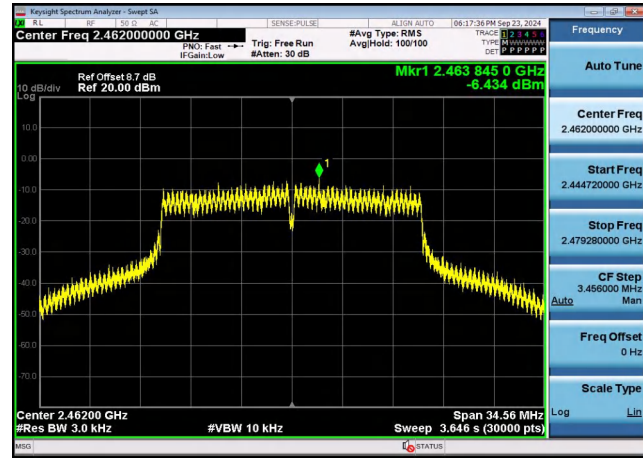
CH01



CH03



CH06



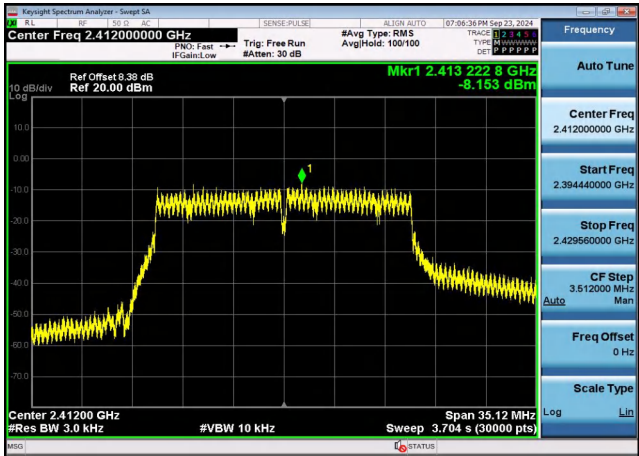
CH06



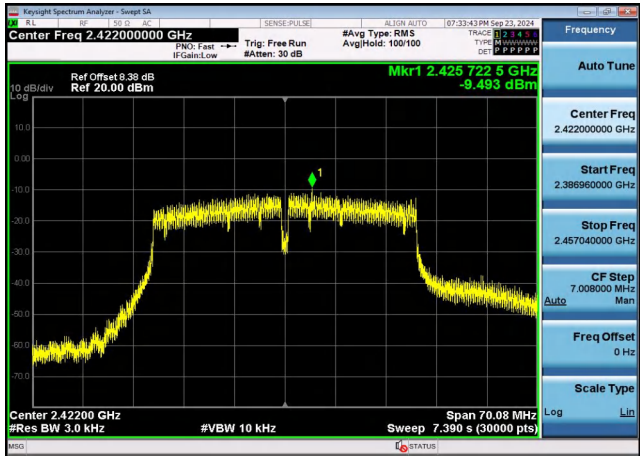
CH11

CH09

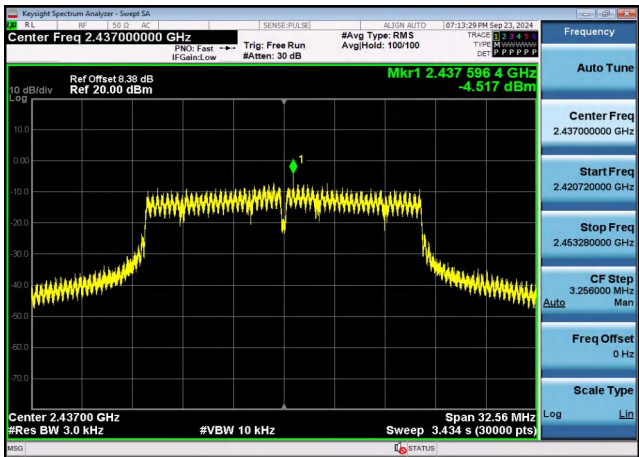
802.11ax HE20



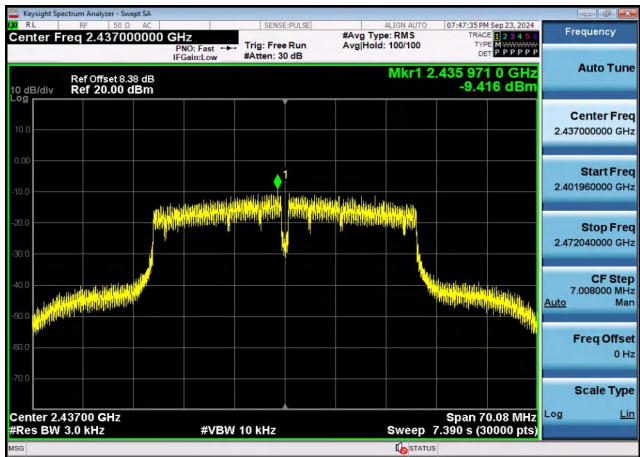
802.11ax HE40



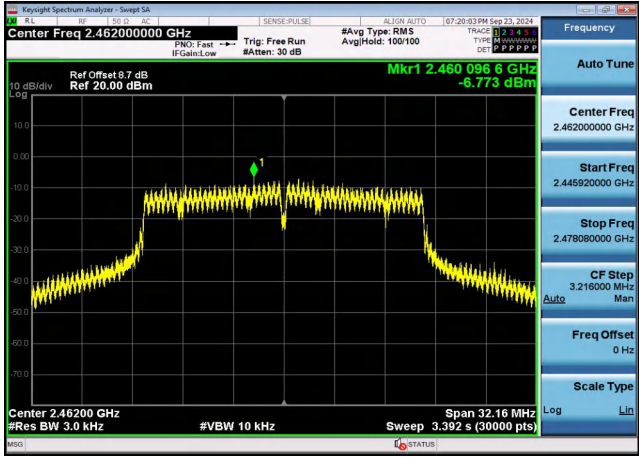
CH01



CH03



CH06



CH06



CH11



CH09

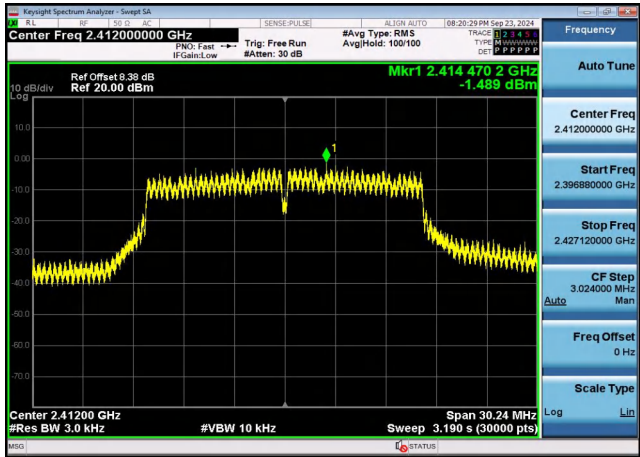


Ant 2

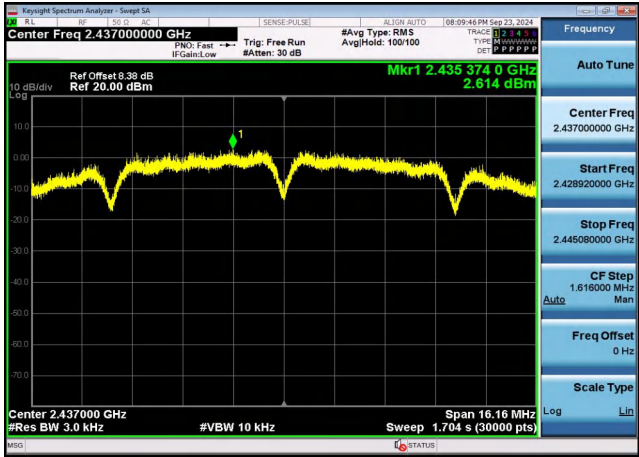
802.11b



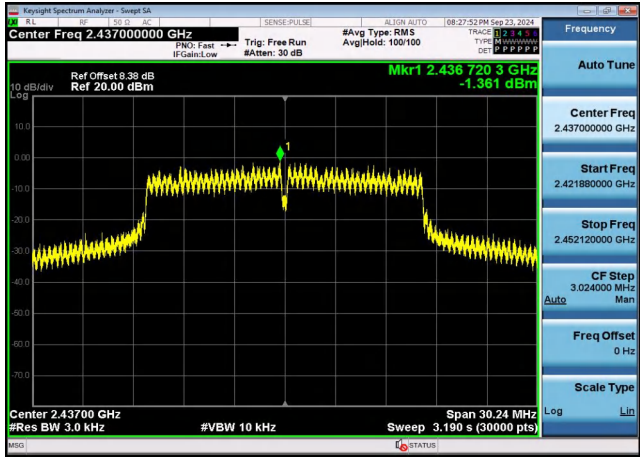
802.11g



CH01



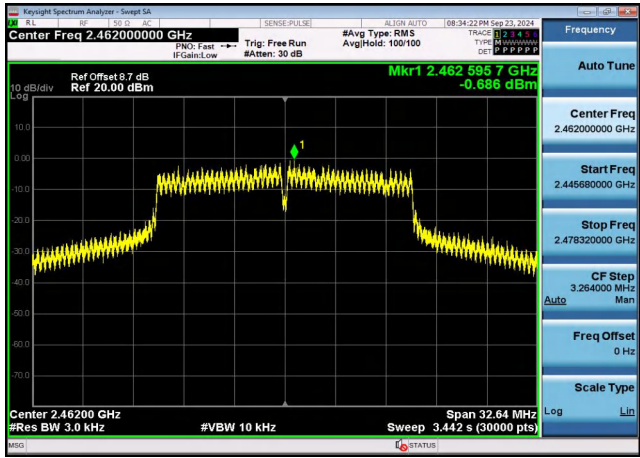
CH01



CH06



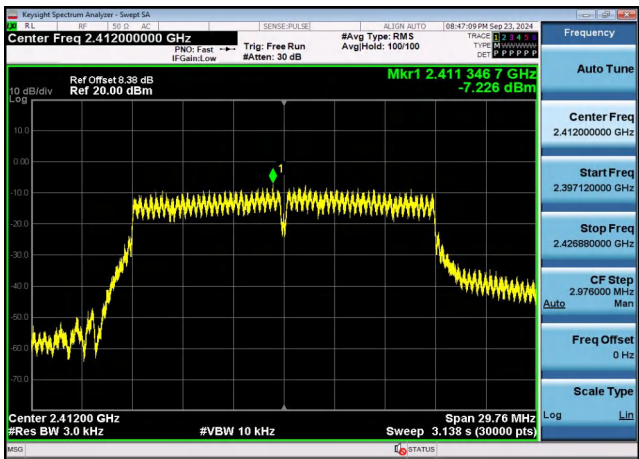
CH06



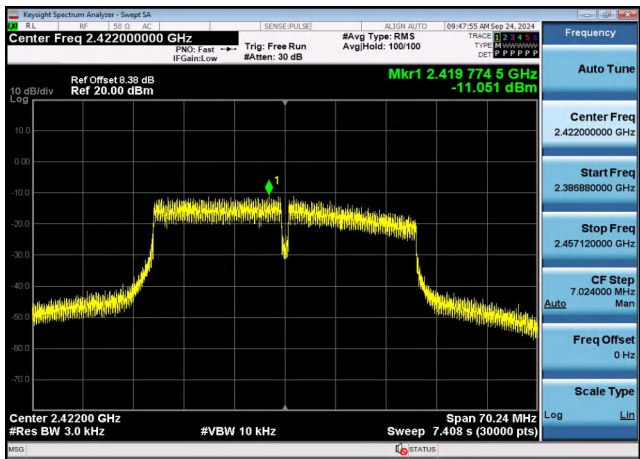
CH11

CH11

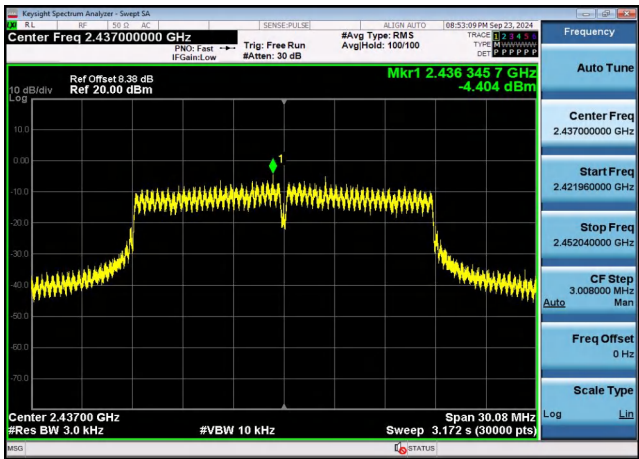
802.11n HT20



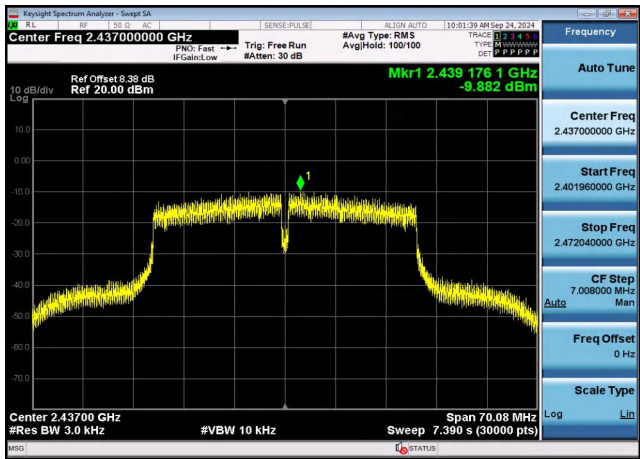
802.11n HT40



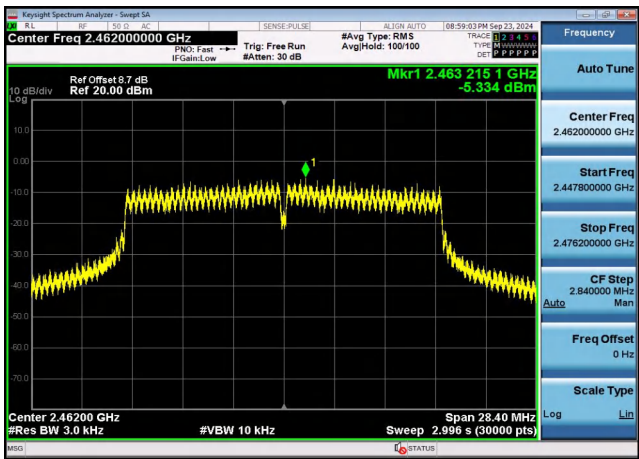
CH01



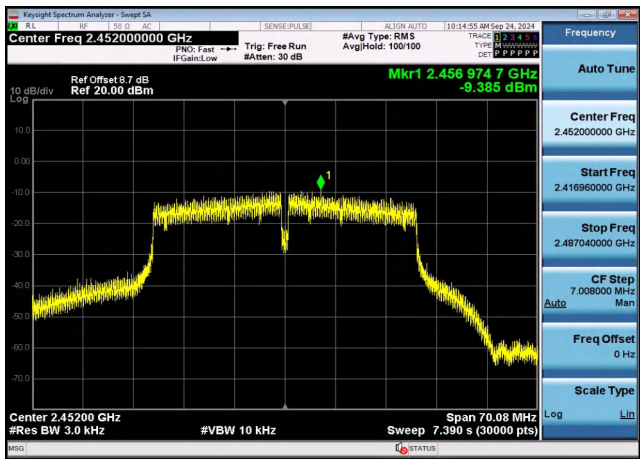
CH03



CH06



CH06



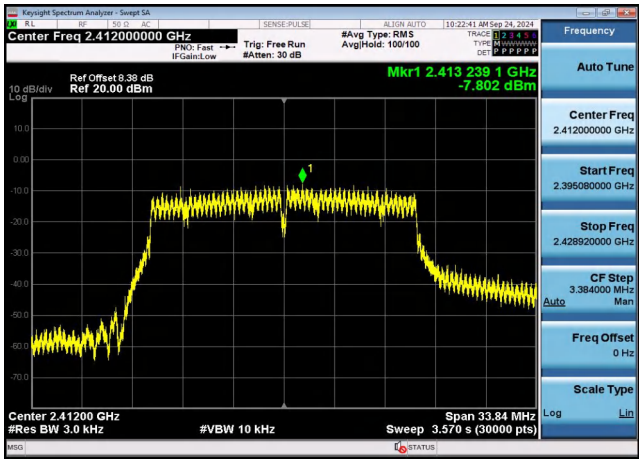
CH11



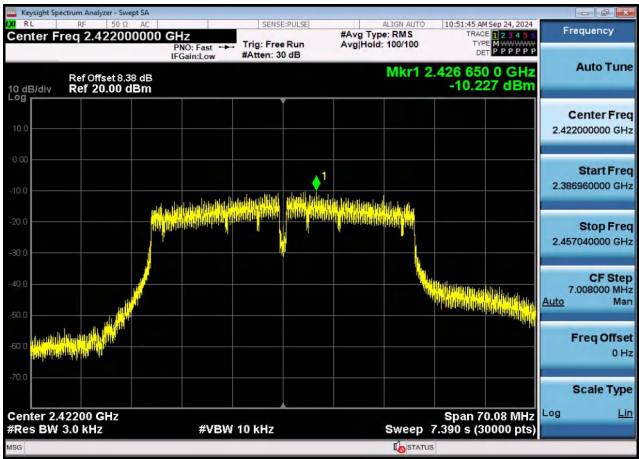
CH09



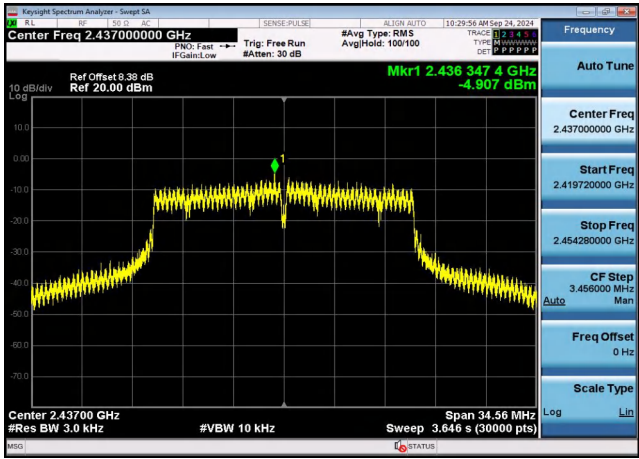
802.11ax HE20



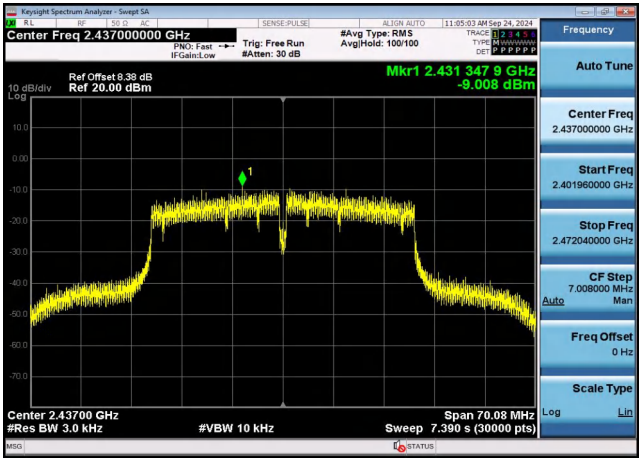
802.11ax HE40



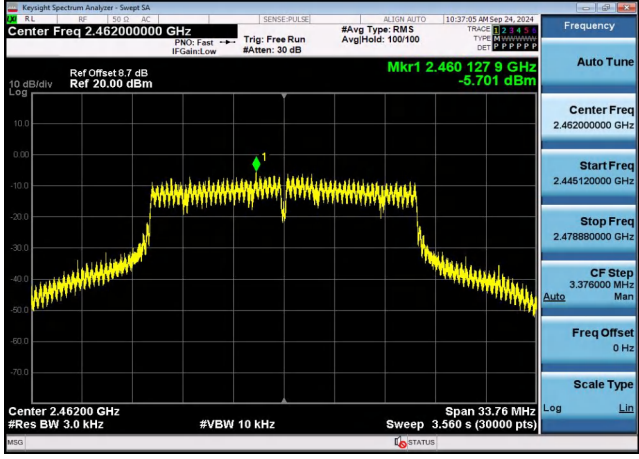
CH01



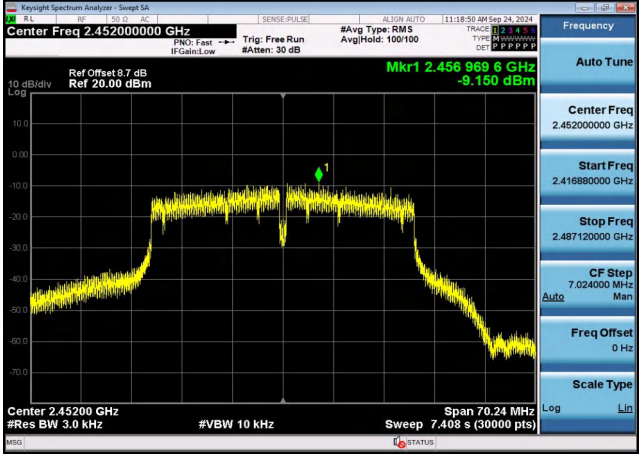
CH03



CH06



CH06



CH11

CH09

4.5 6dB Bandwidth

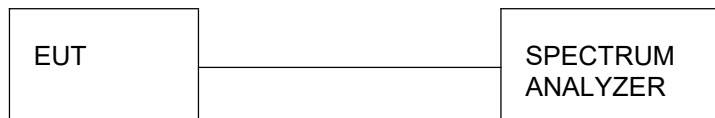
Limit

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz

Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 KHz RBW and 300 KHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

Test Configuration



Test Results

Ant 1

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11b	01	8.040	≥500	Pass
	06	8.040		
	11	8.040		
802.11g	01	16.320	≥500	Pass
	06	15.640		
	11	16.320		
802.11n HT20	01	17.600	≥500	Pass
	06	16.640		
	11	17.280		
802.11n HT40	03	35.360	≥500	Pass
	06	33.840		
	09	35.120		
802.11ax HE20	01	17.560	≥500	Pass
	06	16.280		
	11	16.080		
802.11ax HE40	03	35.040	≥500	Pass
	06	35.040		
	09	35.120		

Ant 2

Type	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11b	01	8.040	≥500	Pass
	06	8.080		
	11	8.520		
802.11g	01	15.120	≥500	Pass
	06	15.120		
	11	16.320		
802.11n HT20	01	14.880	≥500	Pass
	06	15.040		
	11	14.200		
802.11n HT40	03	35.120	≥500	Pass
	06	35.040		
	09	35.040		
802.11ax HE20	01	16.920	≥500	Pass
	06	17.280		
	11	16.880		
802.11ax HE40	03	35.040	≥500	Pass
	06	35.040		
	09	35.120		

Note:

- 1) Measured peak power spectrum density at difference data rate for each mode and recorded worst case for each mode.
- 2) Test results including cable loss;
- 3) Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20; 13.5Mbps at IEEE 802.11n HT40; 8.6Mbps at IEEE 802.11ax HE20; 17.2Mbps at IEEE 802.11ax HE40.

Please refer to following plots;

Ant 1

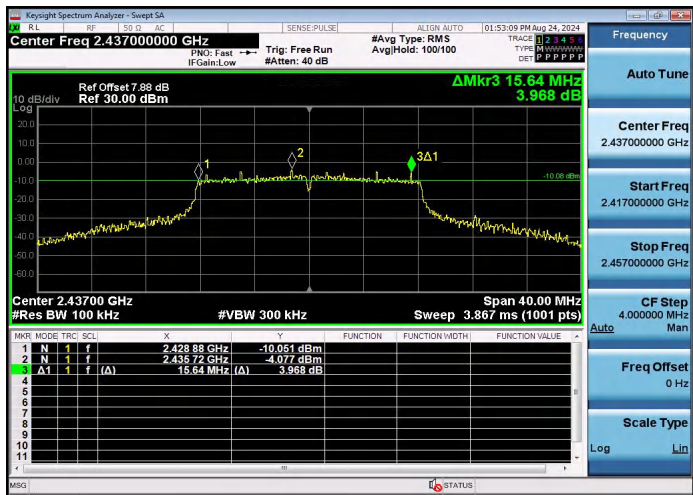
802.11b

802.11g



CH01

CH01



CH06

CH06



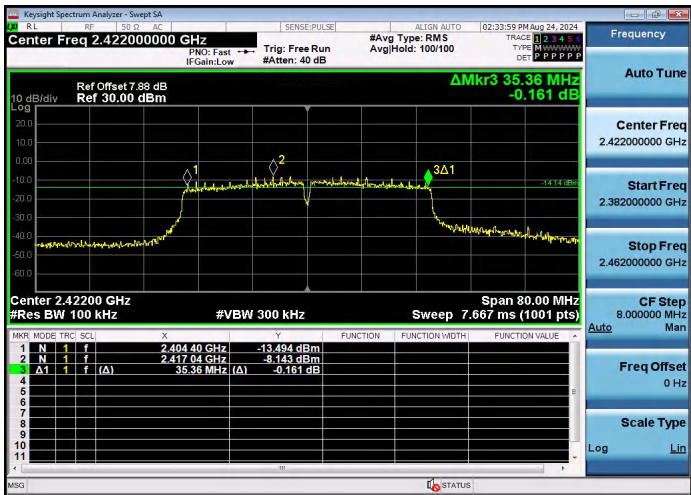
CH11

CH11

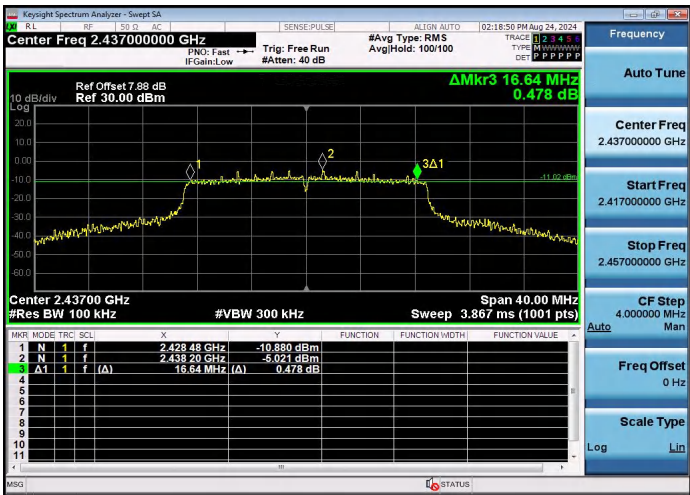
802.11n HT20



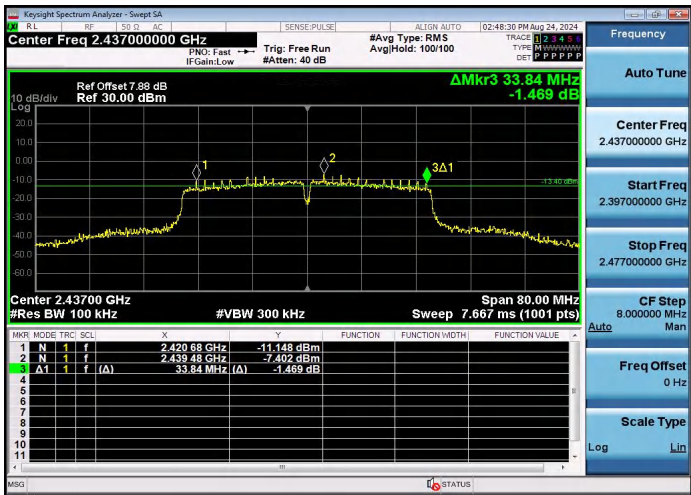
802.11n HT40



CH01



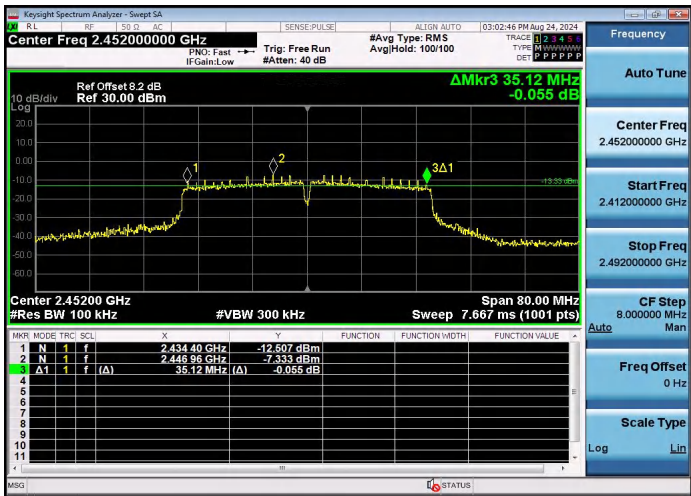
CH03



CH06



CH06



CH11

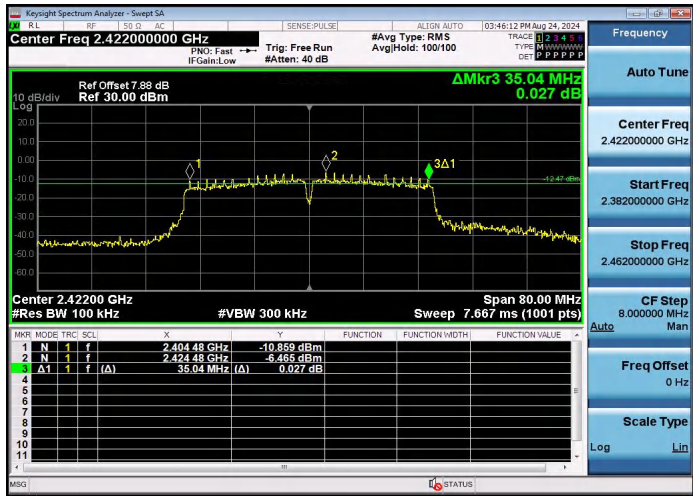


CH09



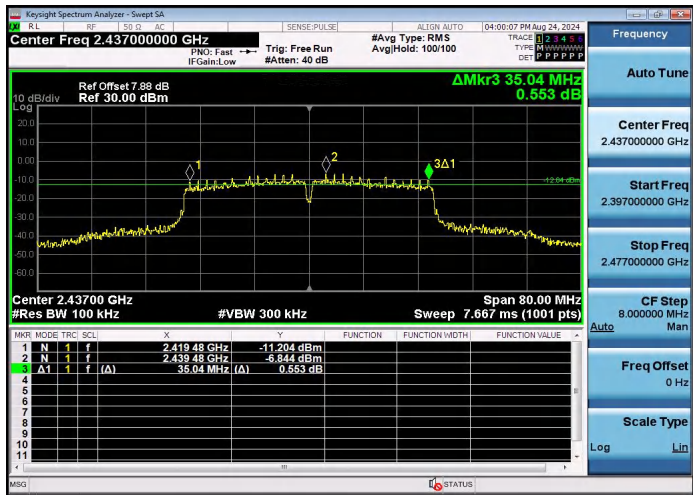
802.11ax HE20

802.11ax HE40



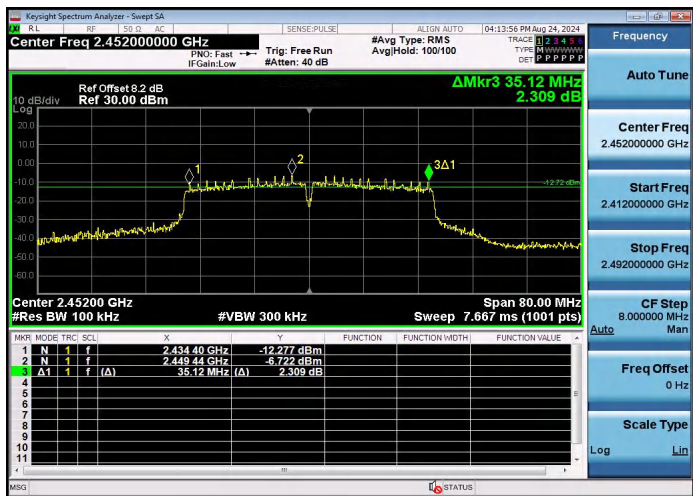
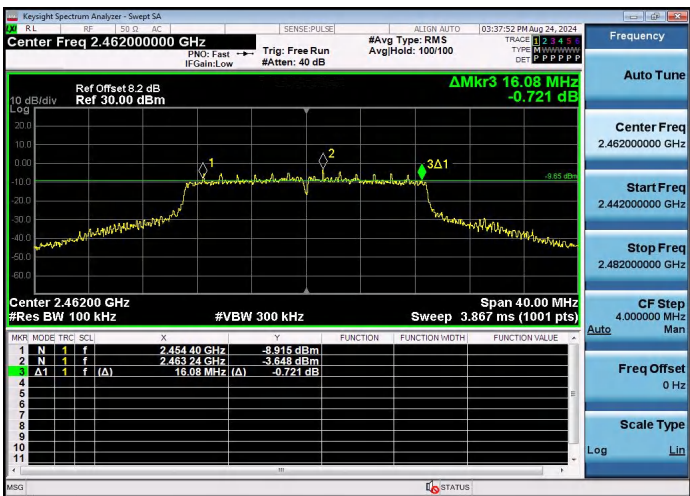
CH01

CH03



CH06

CH06



CH11

CH09