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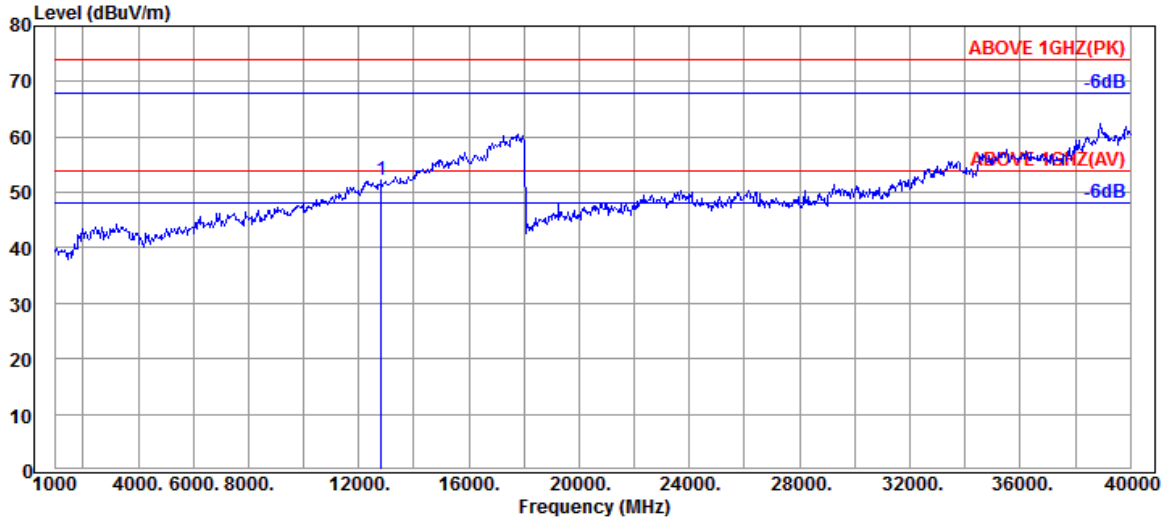
A.2.2 Emissions outside the frequency band

The emissions (up to 40GHz) not reported for there is no emission be found.

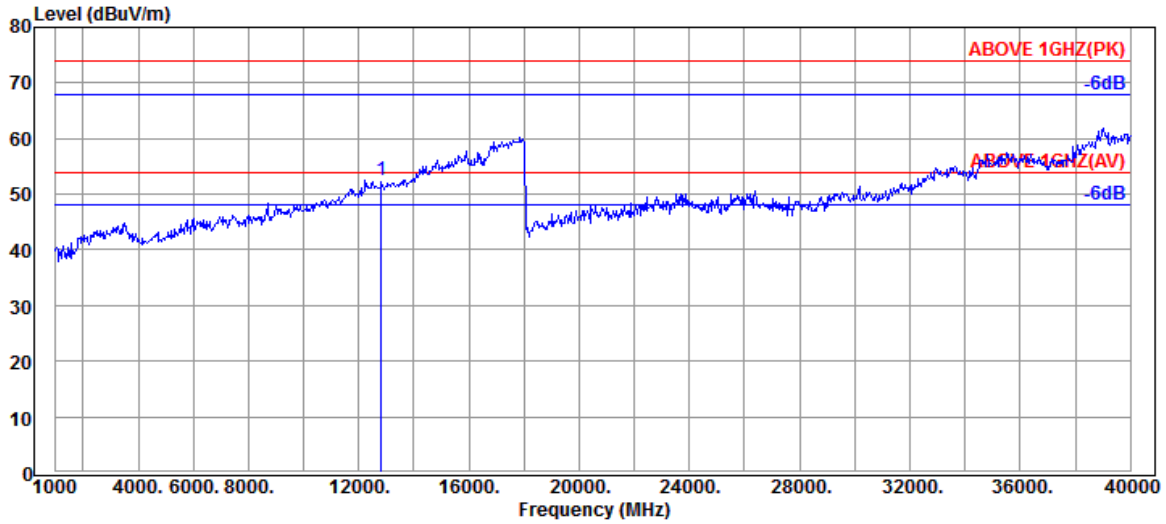
- OFDM Modulation

Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 6415MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12830.000	39.23	14.87	38.08	36.09	52.11	54.00	1.89	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12830.000	39.23	14.87	38.08	36.45	52.47	54.00	1.53	Peak

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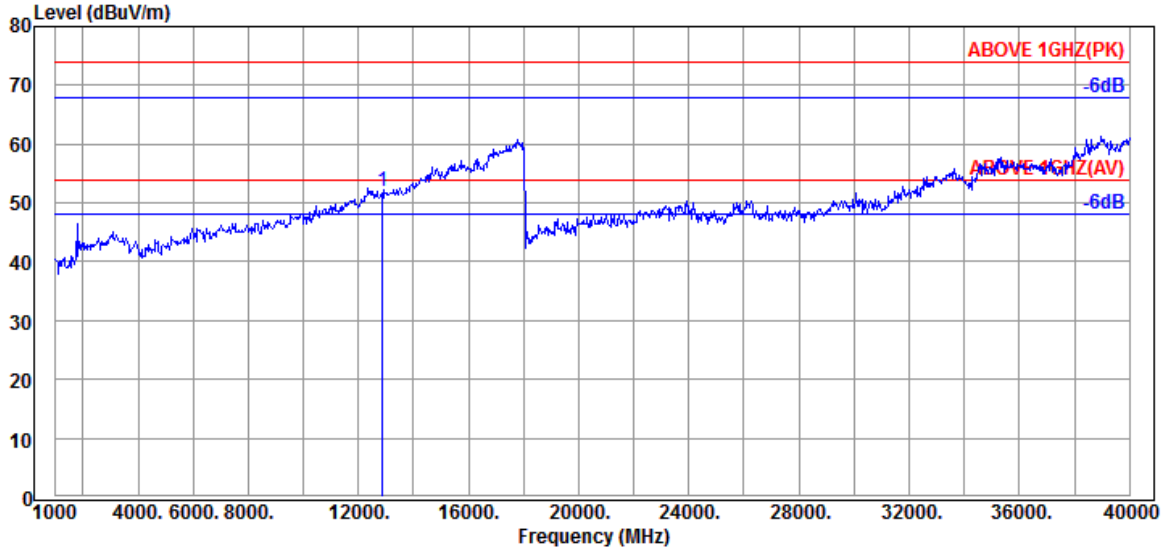
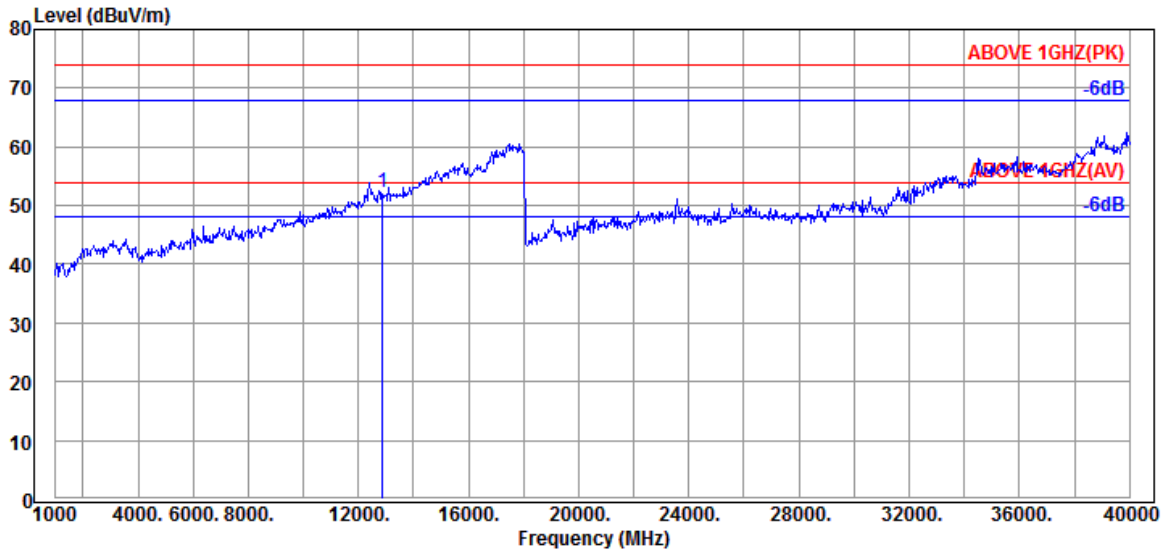
Mode	802.11ax-HE20	U-NII Band	6
		Frequency	TX 6435MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12870.000	39.37	14.90	37.99	35.71	51.99	54.00	2.01	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12870.000	39.37	14.90	37.99	35.86	52.14	54.00	1.86	Peak

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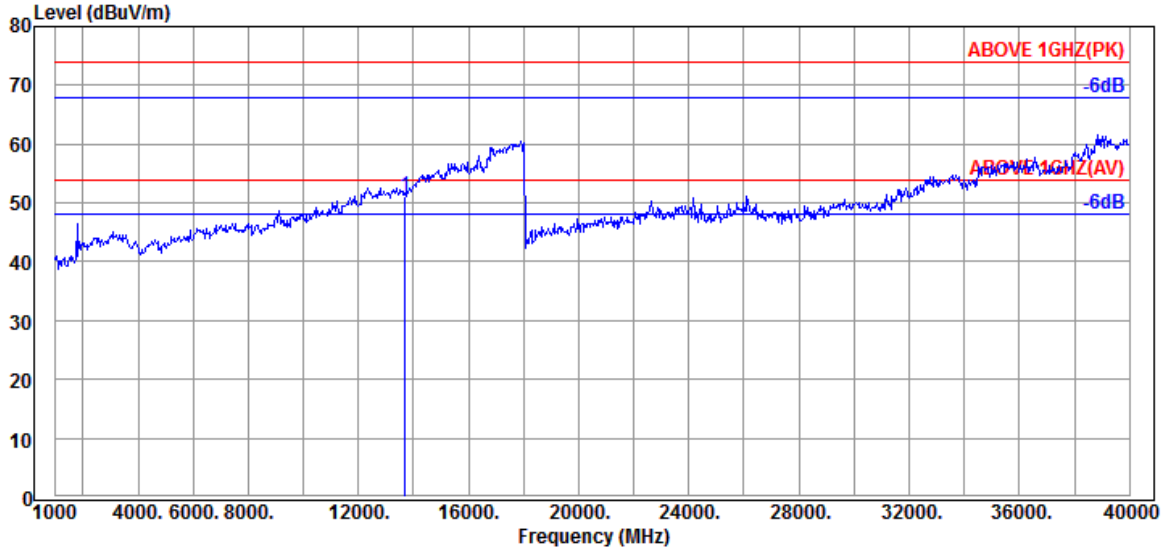
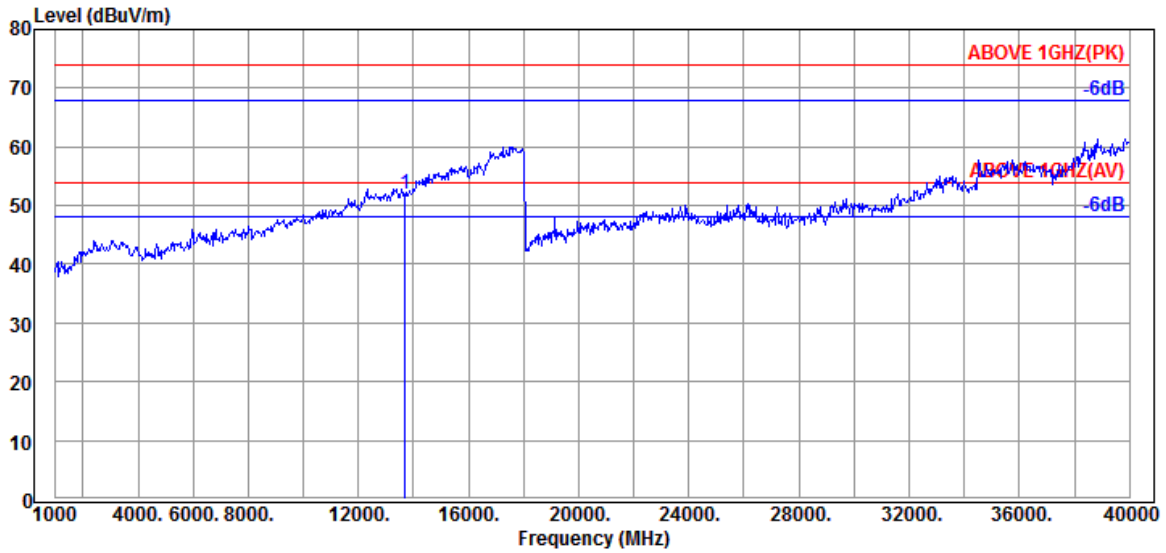
Mode	802.11ax-HE20	U-NII Band	7
		Frequency	TX 6855MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13710.000	41.00	15.63	37.11	31.69	51.21	54.00	2.79	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13710.000	41.00	15.63	37.11	32.51	52.03	54.00	1.97	Peak

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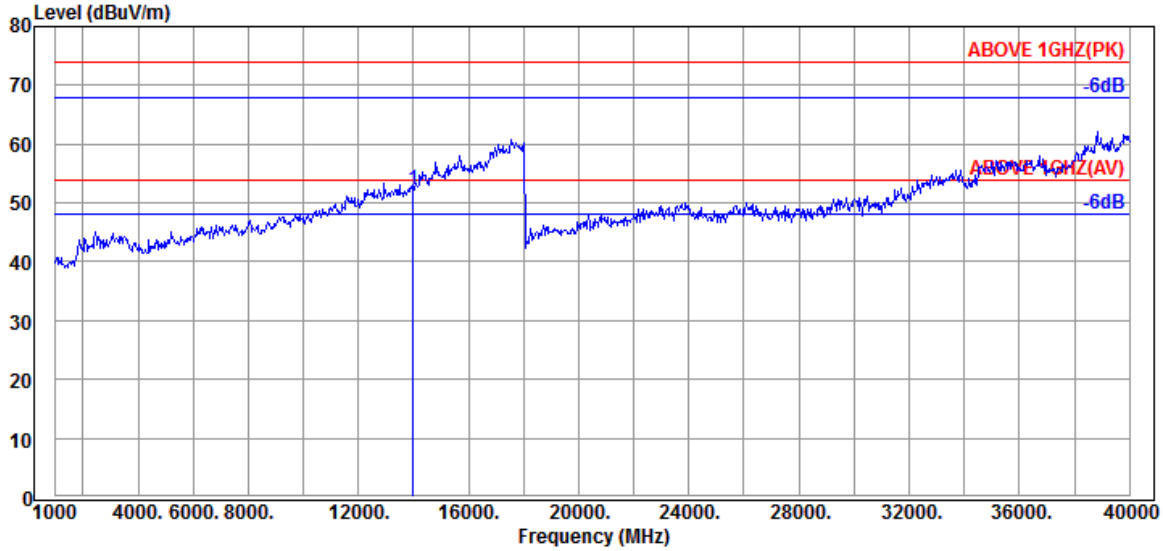
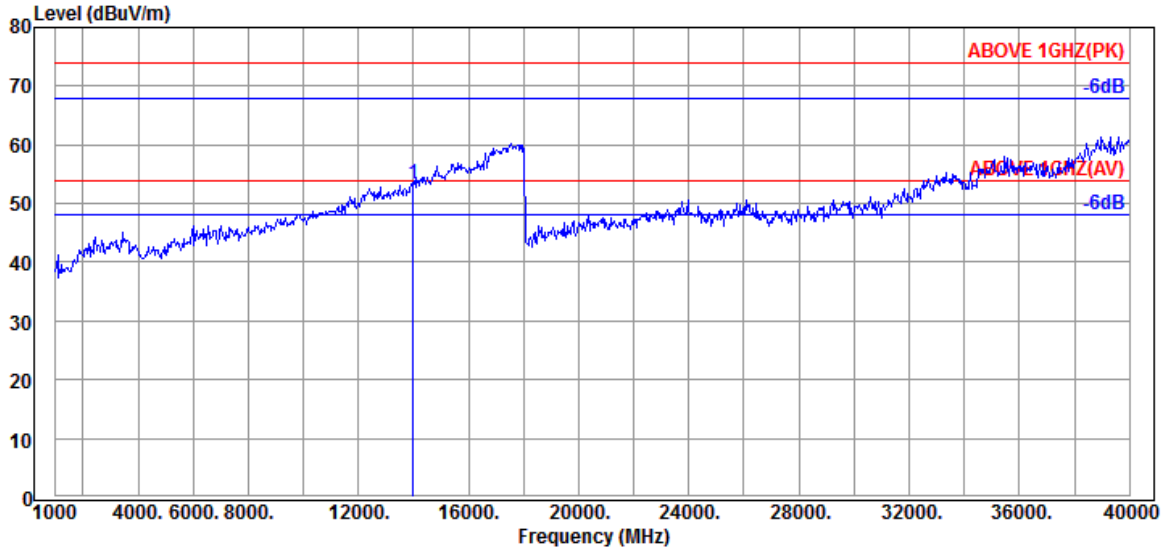
Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 6995MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13990.000	41.70	15.86	37.21	31.99	52.34	54.00	1.66	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13990.000	41.70	15.86	37.21	32.95	53.30	54.00	0.70	Peak

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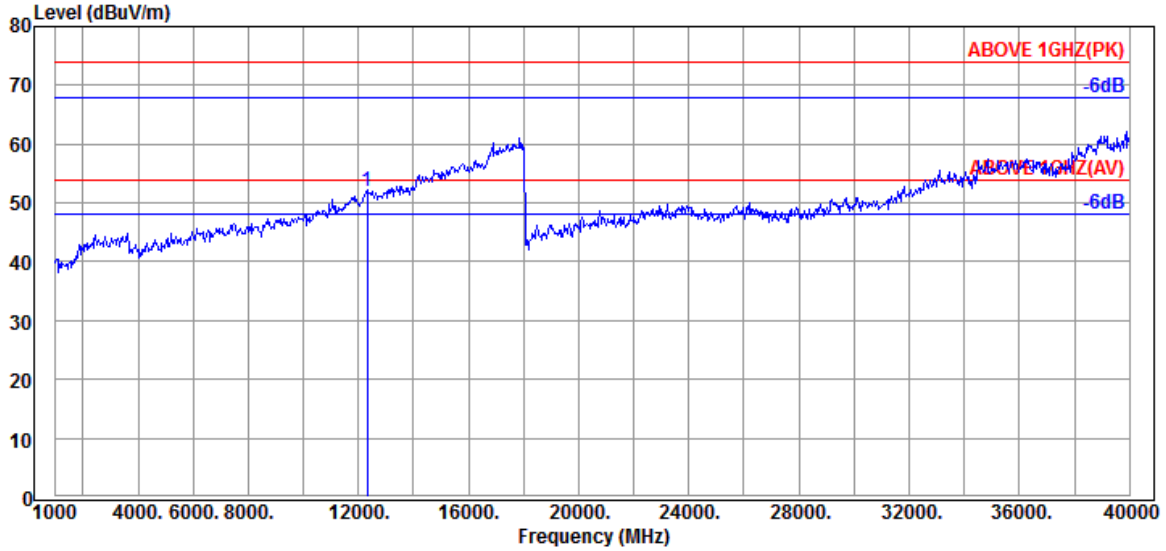
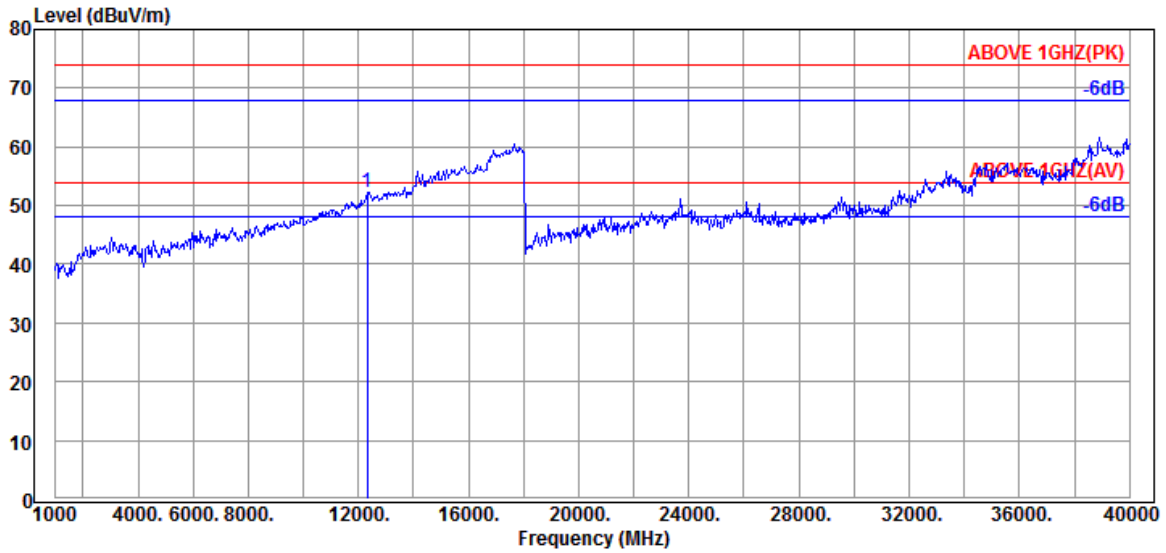
Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 6165MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12330.000	38.90	14.43	38.97	37.60	51.96	54.00	2.04	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12330.000	38.90	14.43	38.97	37.91	52.27	54.00	1.73	Peak

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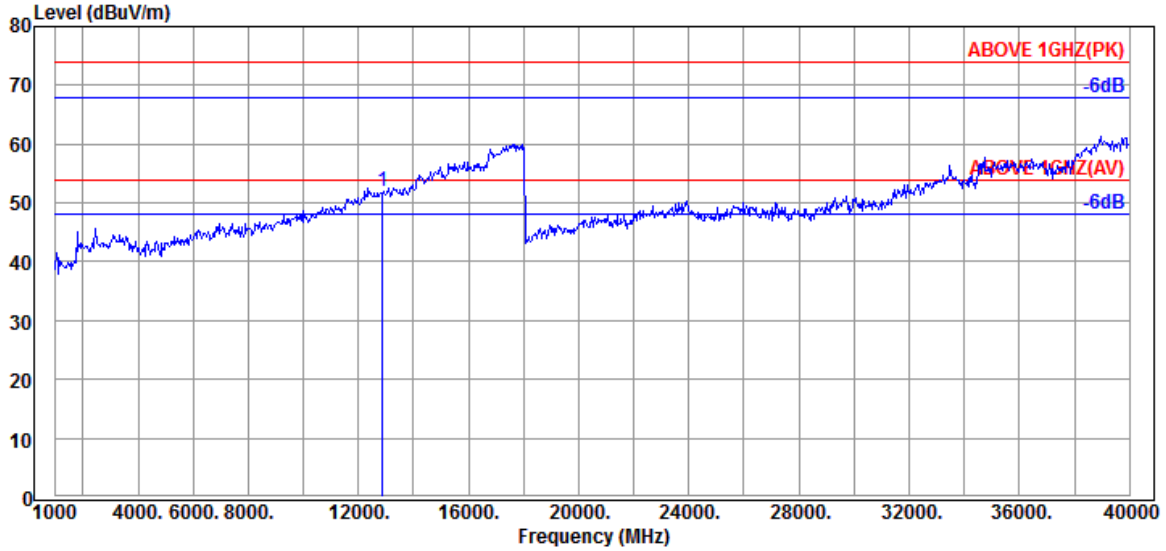
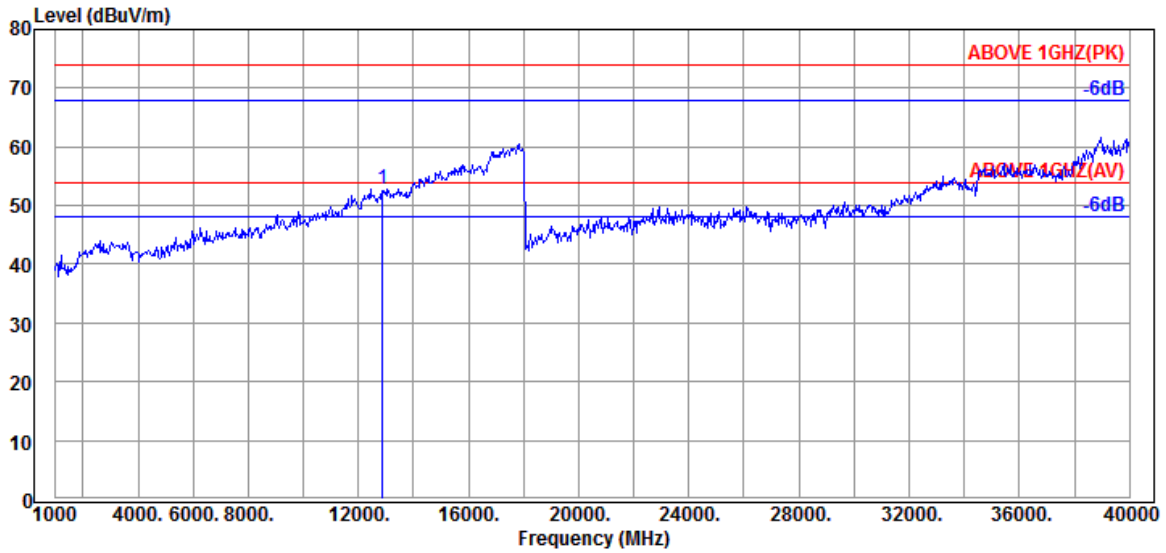
Mode	802.11ax-HE40	U-NII Band	6
		Frequency	TX 6445MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12890.000	39.37	14.90	37.99	35.62	51.90	54.00	2.10	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12890.000	39.37	14.90	37.99	36.47	52.75	54.00	1.25	Peak

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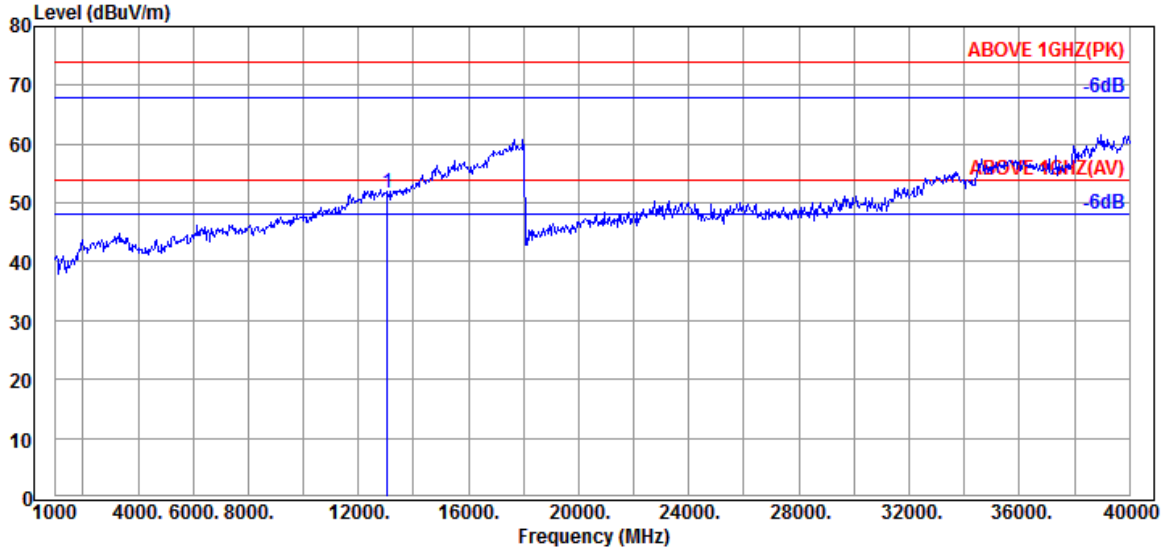
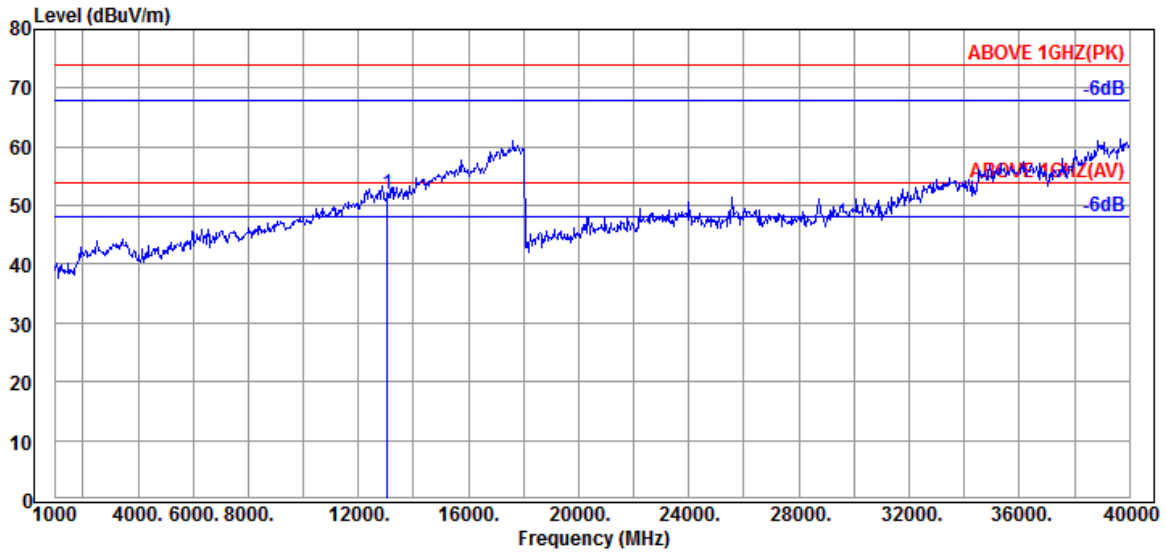
Mode	802.11ax-HE40	U-NII Band	7
		Frequency	TX 6925MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13050.000	39.93	15.07	37.66	34.31	51.65	54.00	2.35	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13050.000	39.93	15.07	37.66	34.65	51.99	54.00	2.01	Peak

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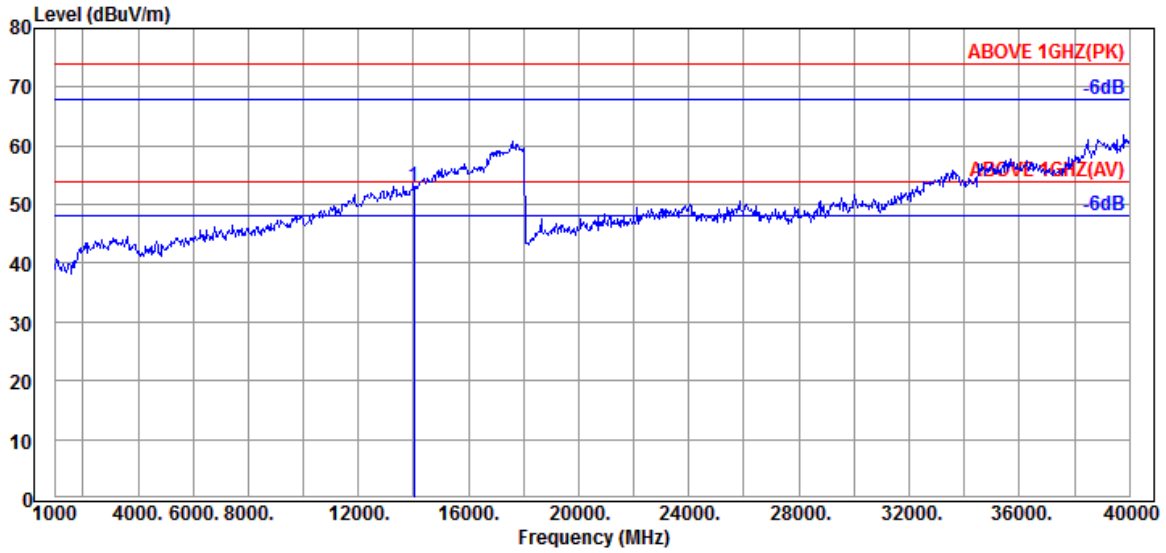
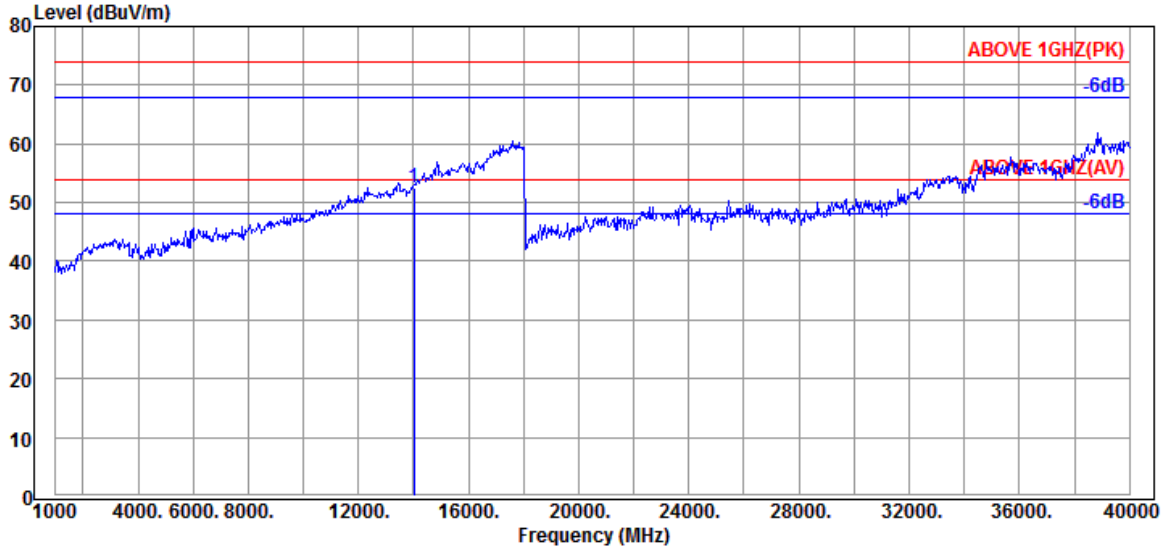
Mode	802.11ax-HE40	U-NII Band	8
		Frequency	TX 7005MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14010.000	41.70	15.86	37.27	32.66	52.95	54.00	1.05	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14010.000	41.70	15.86	37.27	32.11	52.40	54.00	1.60	Peak

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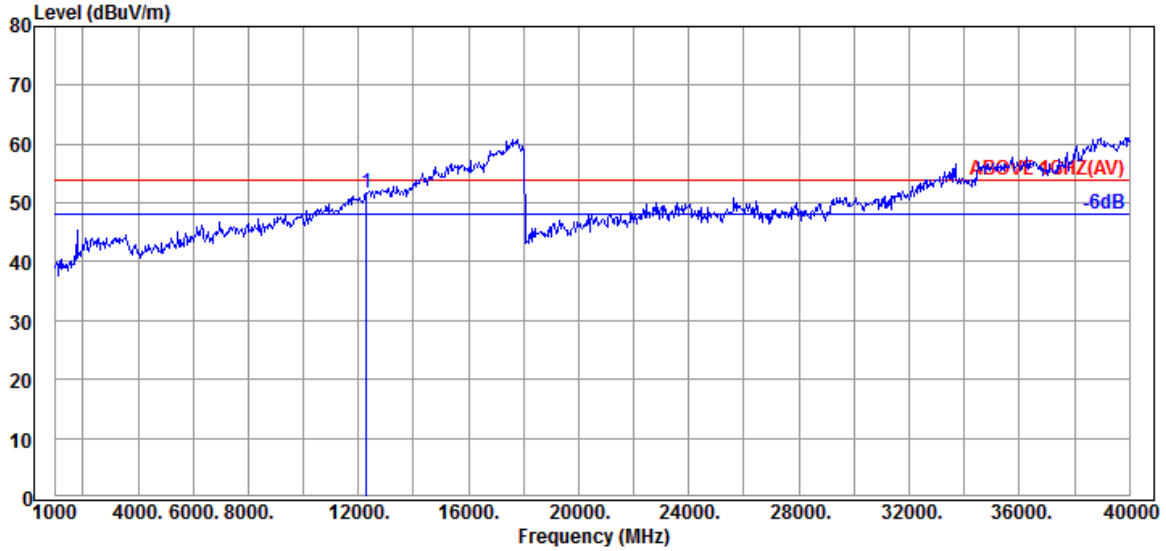
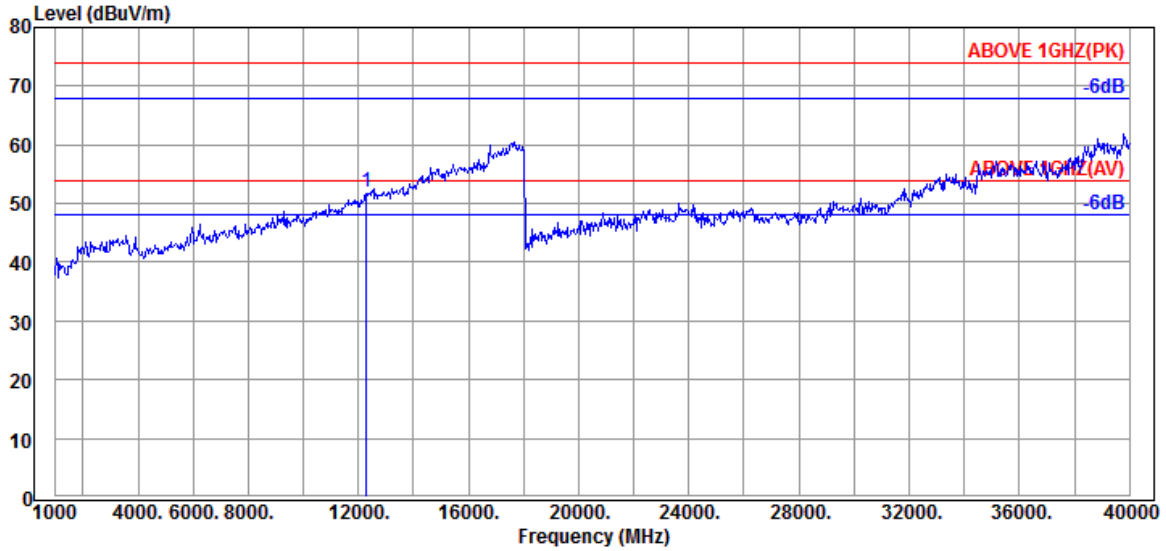
Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 6145MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12290.000	38.90	14.39	39.02	37.32	51.59	54.00	2.41	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12290.000	38.90	14.39	39.02	37.71	51.98	54.00	2.02	Peak

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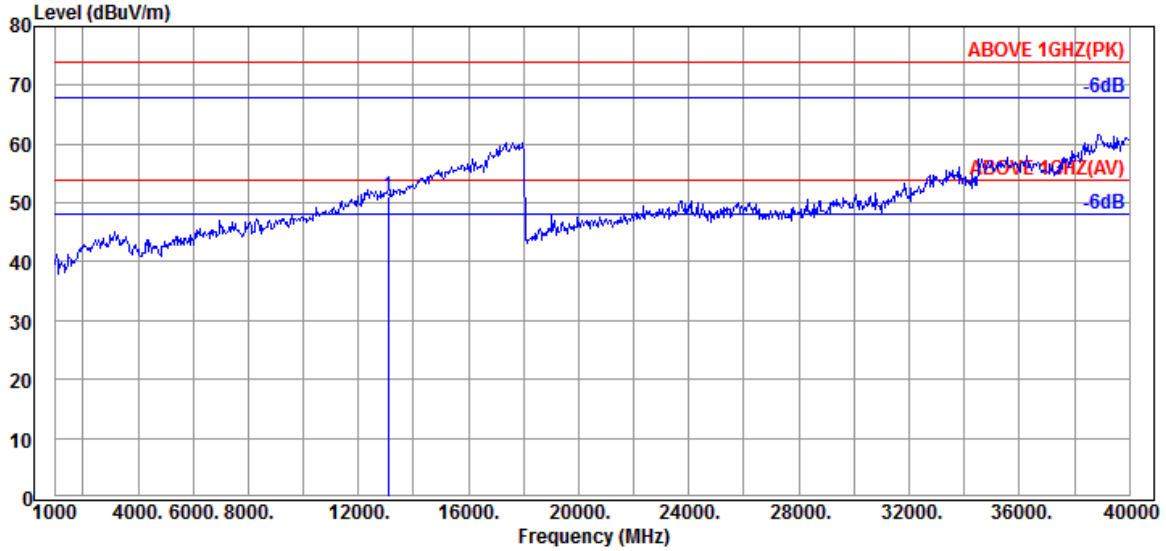
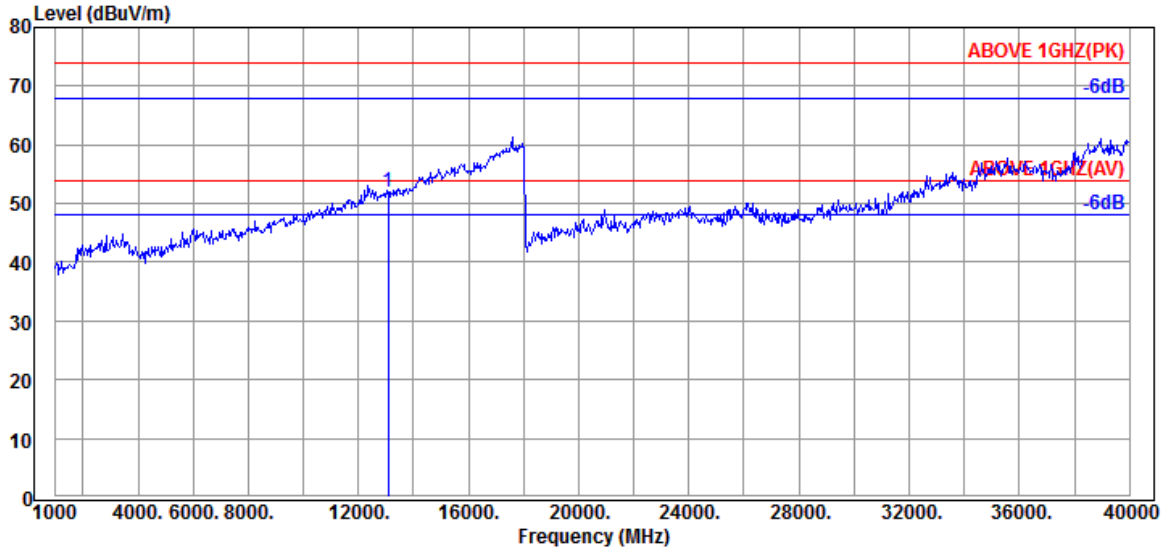
Mode	802.11ax-HE80	U-NII Band	6
		Frequency	TX 6545MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13090.000	40.00	15.10	37.59	33.73	51.24	54.00	2.76	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13090.000	40.00	15.10	37.59	34.34	51.85	54.00	2.15	Peak

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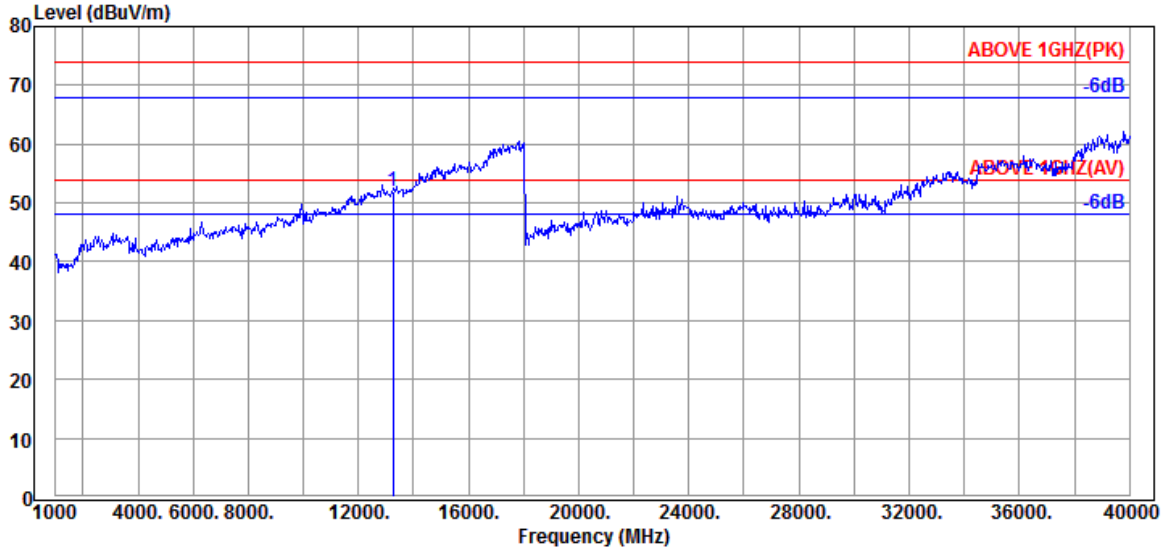
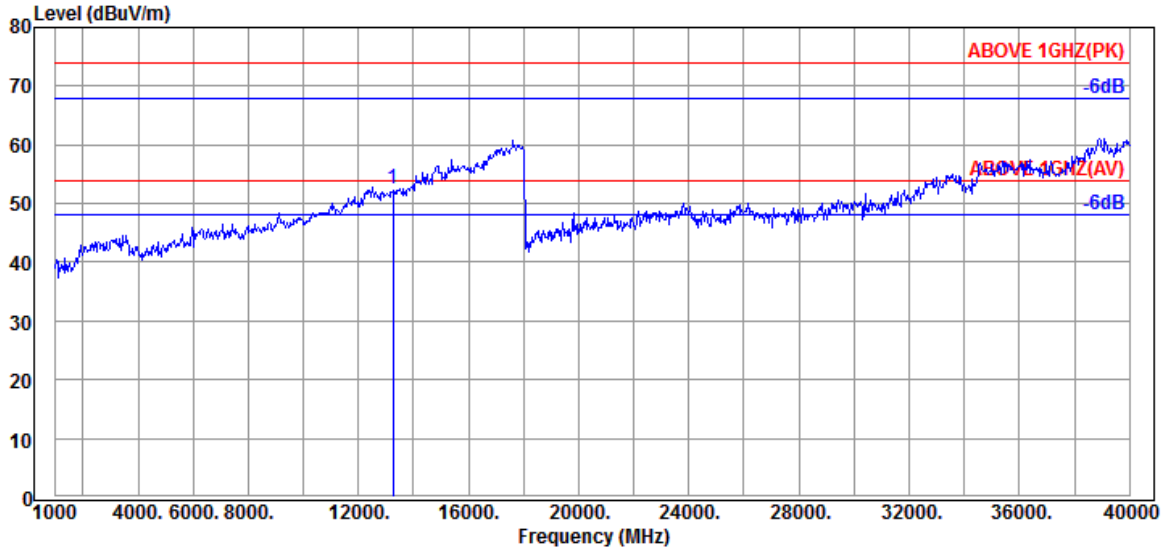
Mode	802.11ax-HE80	U-NII Band	7
		Frequency	TX 6625MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13250.000	40.50	15.23	37.41	33.71	52.03	54.00	1.97	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13250.000	40.50	15.23	37.41	34.19	52.51	54.00	1.49	Peak

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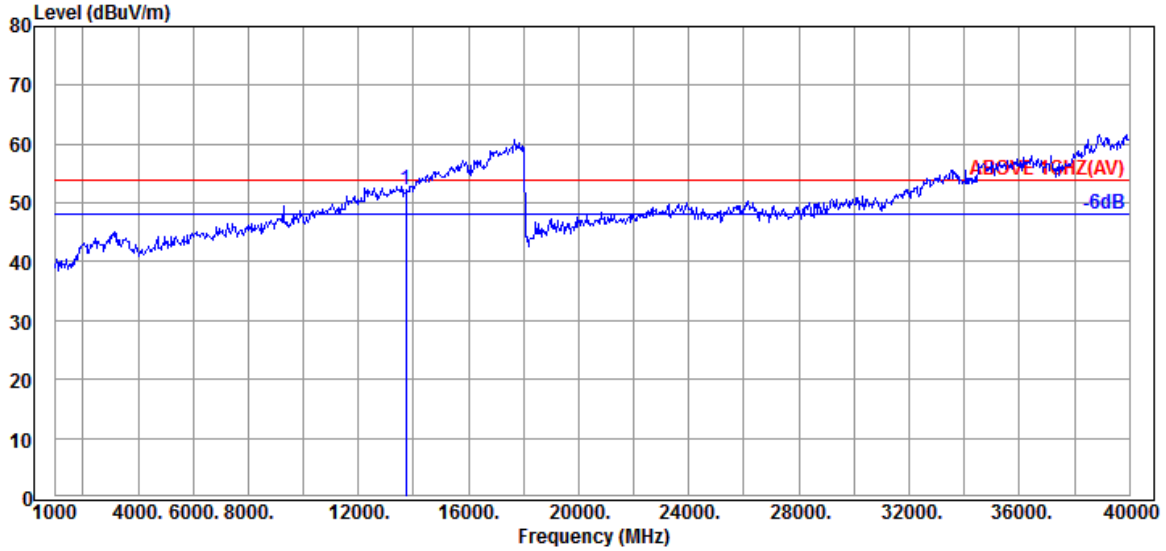
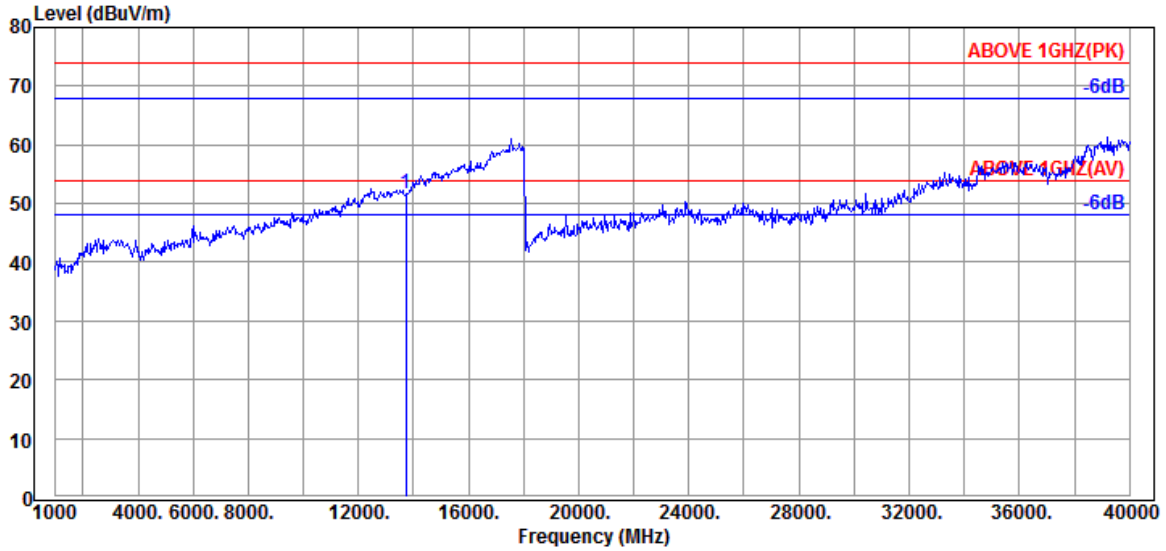
Mode	802.11ax-HE80	U-NII Band	8
		Frequency	TX 6865MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13730.000	41.00	15.63	37.11	32.69	52.21	54.00	1.79	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13730.000	41.00	15.63	37.11	32.05	51.57	54.00	2.43	Peak

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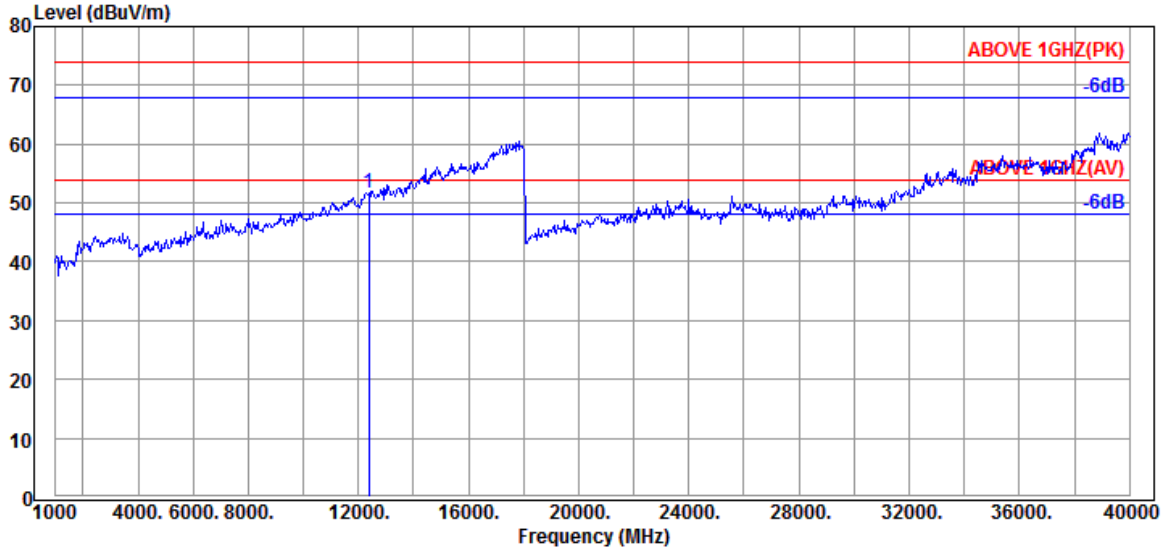
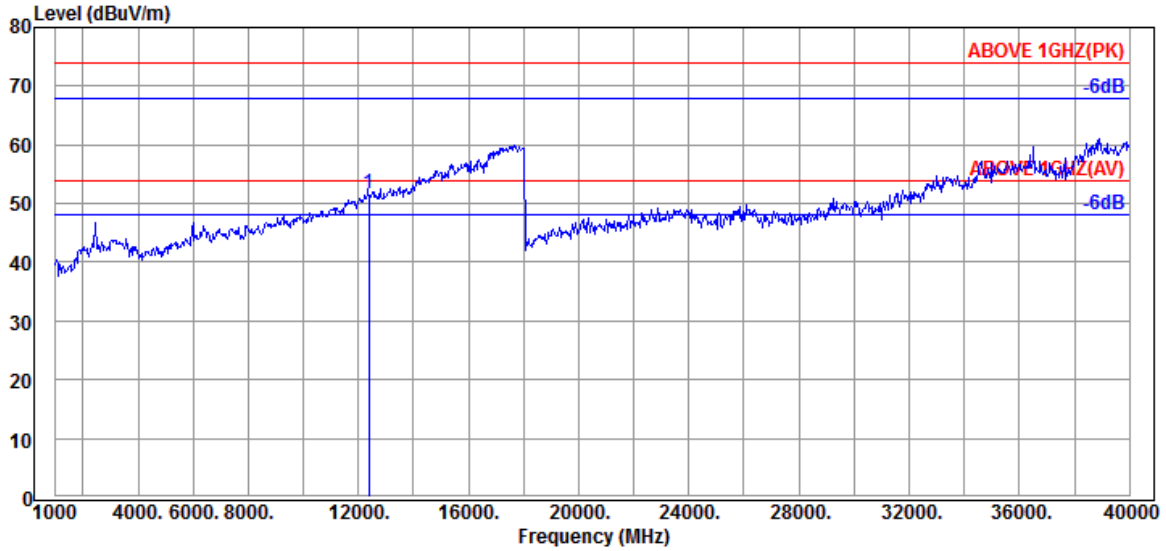
Mode	802.11ax-HE160	U-NII Band	5
		Frequency	TX 6185MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12370.000	38.90	14.46	38.93	37.32	51.75	54.00	2.25	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12370.000	38.90	14.46	38.93	37.38	51.81	54.00	2.19	Peak

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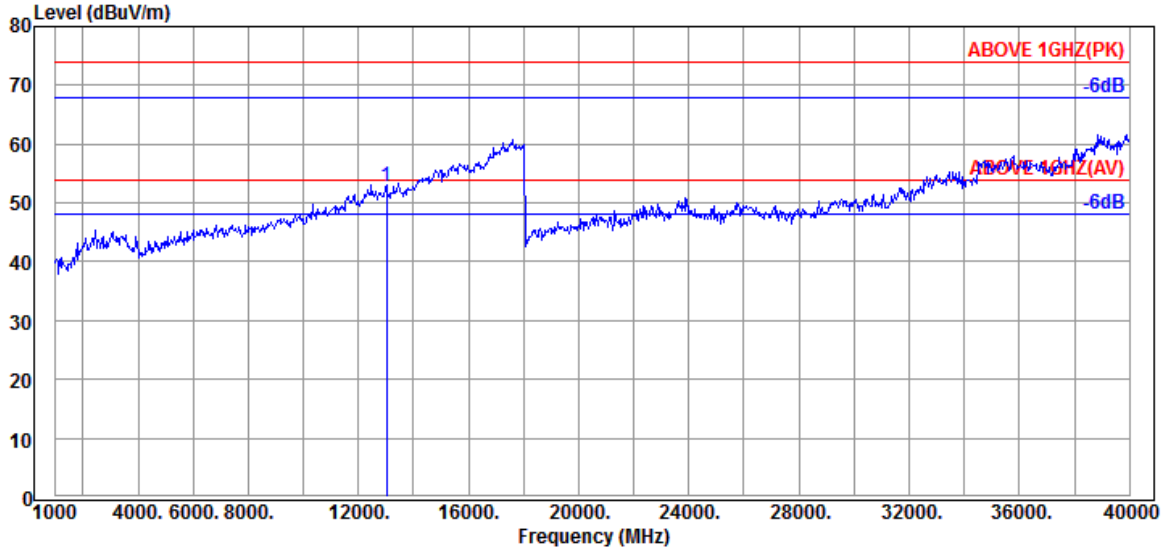
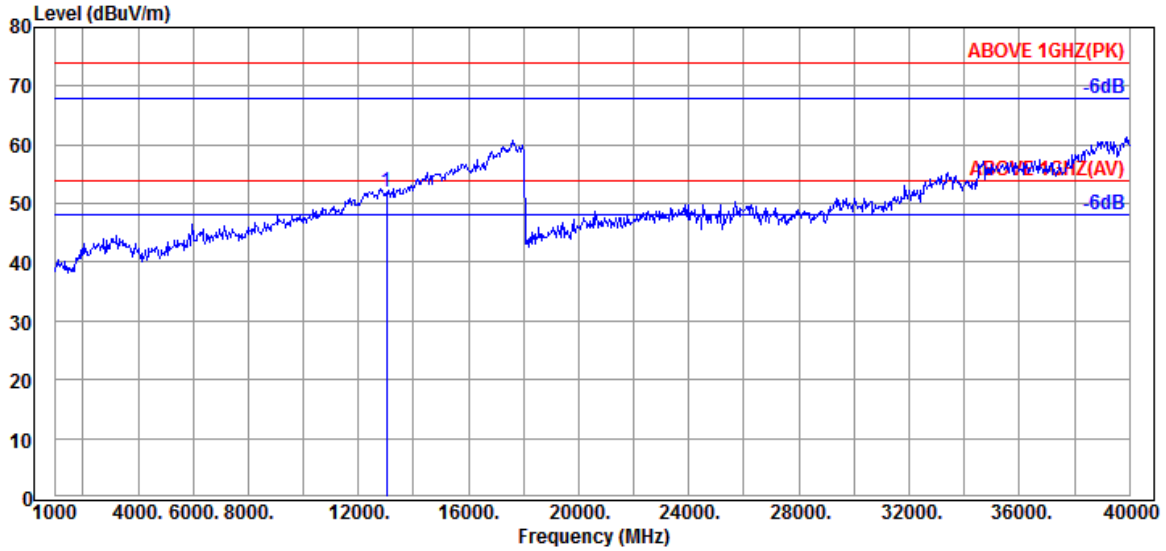
Mode	802.11ax-HE160	U-NII Band	6
		Frequency	TX 6505MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13010.000	39.87	15.03	37.72	35.59	52.77	54.00	1.23	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13010.000	39.87	15.03	37.72	34.83	52.01	54.00	1.99	Peak

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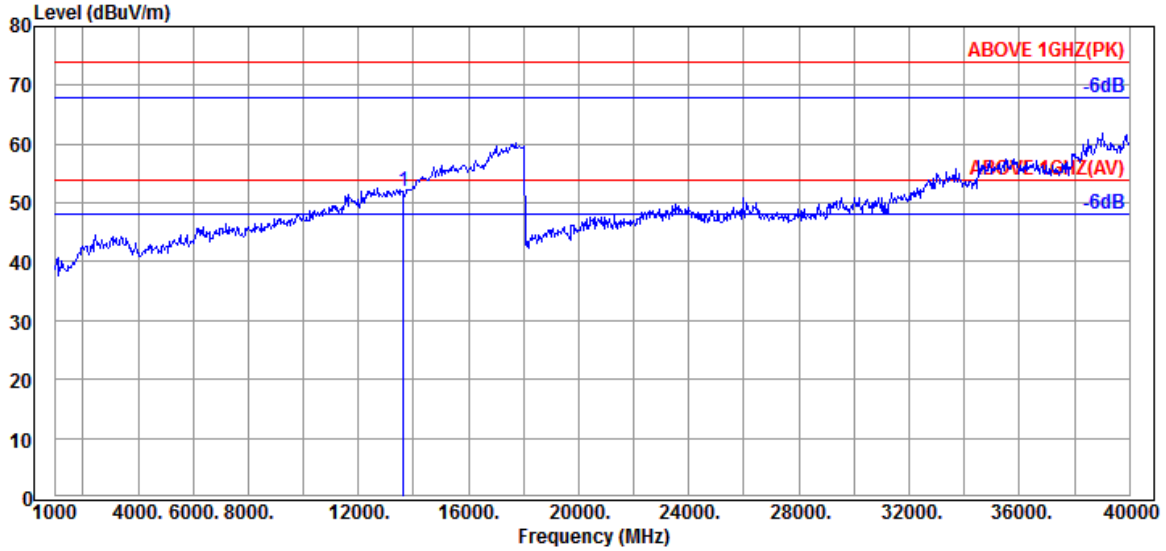
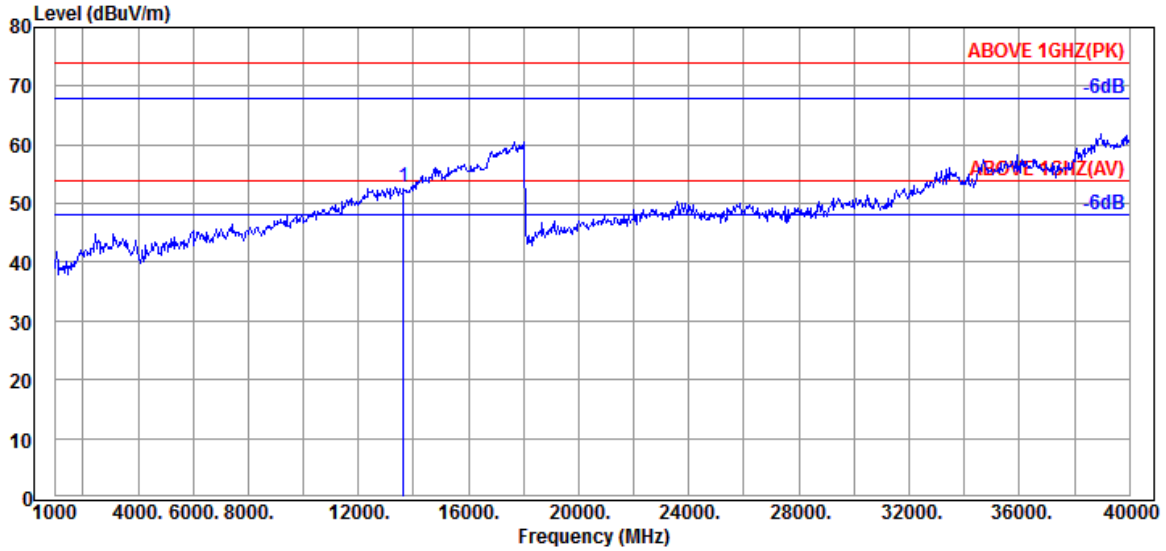
Mode	802.11ax-HE160	U-NII Band	7
		Frequency	TX 6825MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13650.000	40.93	15.56	37.10	32.56	51.95	54.00	2.05	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13650.000	40.93	15.56	37.10	33.35	52.74	54.00	1.26	Peak

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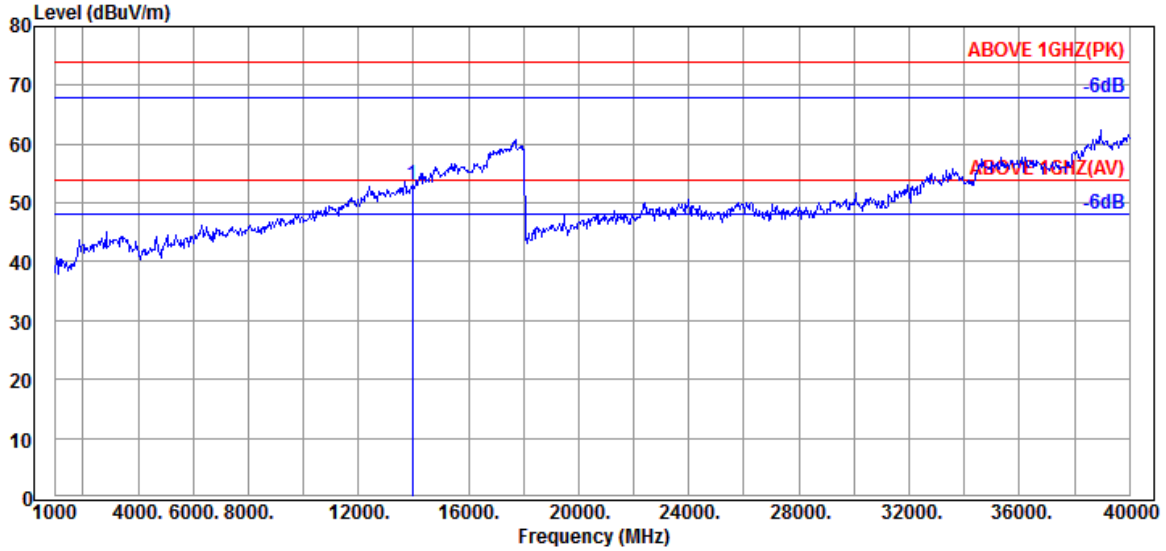
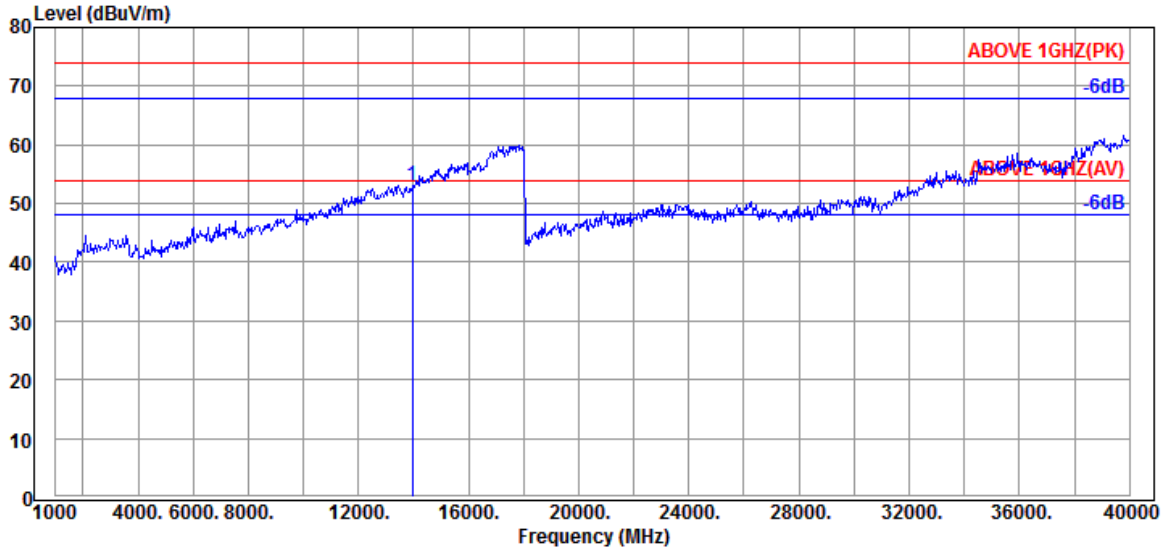
Mode	802.11ax-HE160	U-NII Band	8
		Frequency	TX 6985MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13970.000	41.50	15.83	37.21	32.81	52.93	54.00	1.07	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13970.000	41.50	15.83	37.21	33.01	53.13	54.00	0.87	Peak

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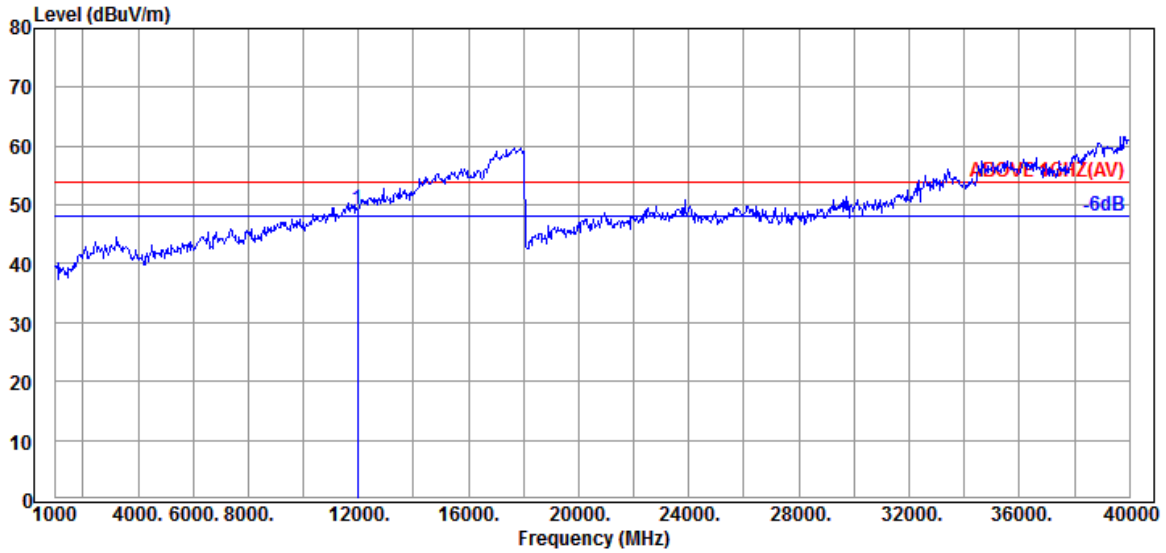
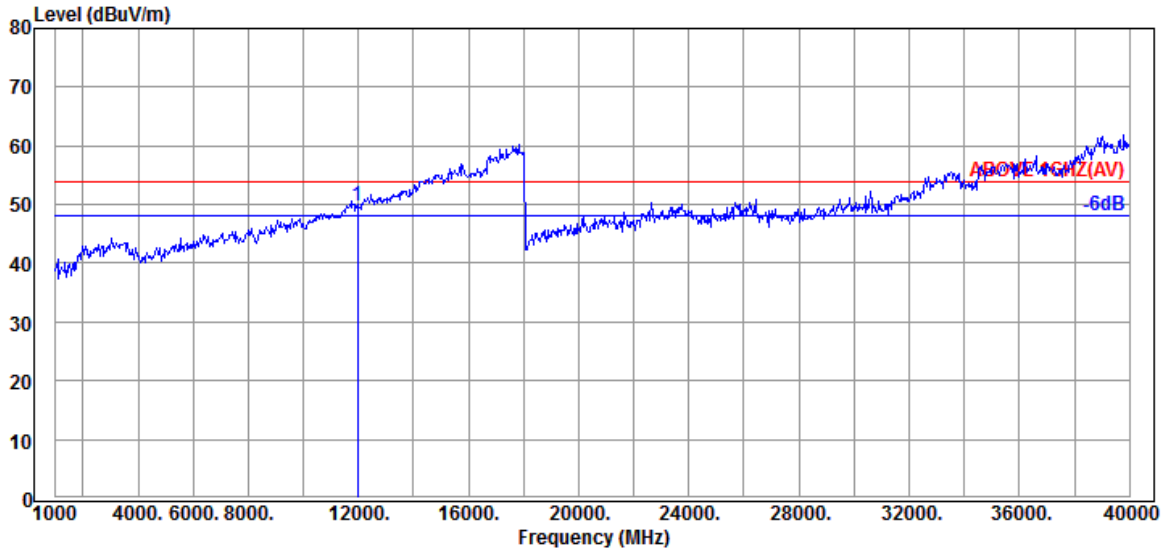
- OFDMA Modulation

Tones	26T	RU Index	18
Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 5985MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11970.000	39.17	14.11	39.36	35.33	49.25	54.00	4.75	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11970.000	39.17	14.11	39.36	35.92	49.84	54.00	4.16	Peak

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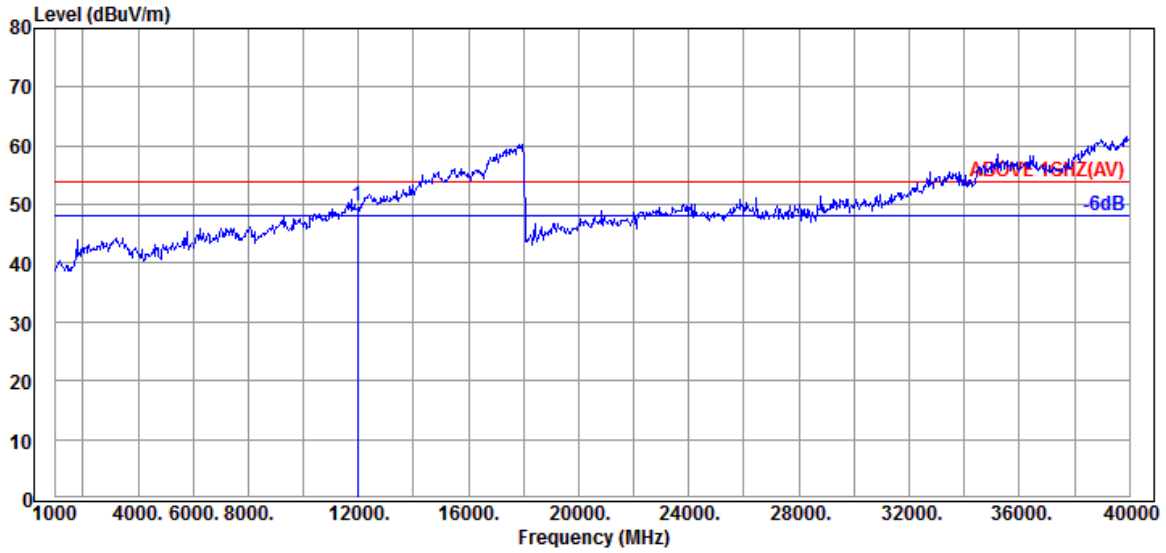
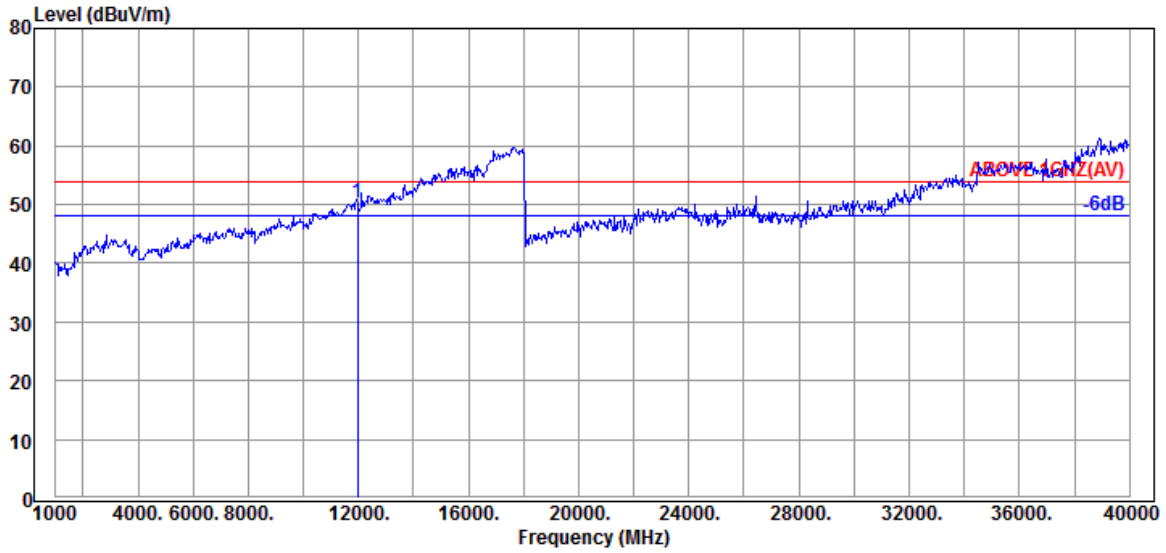
Tones	52T	RU Index	44
Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 5985MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11970.000	39.17	14.11	39.36	35.95	49.87	54.00	4.13	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11970.000	39.17	14.11	39.36	36.33	50.25	54.00	3.75	Peak

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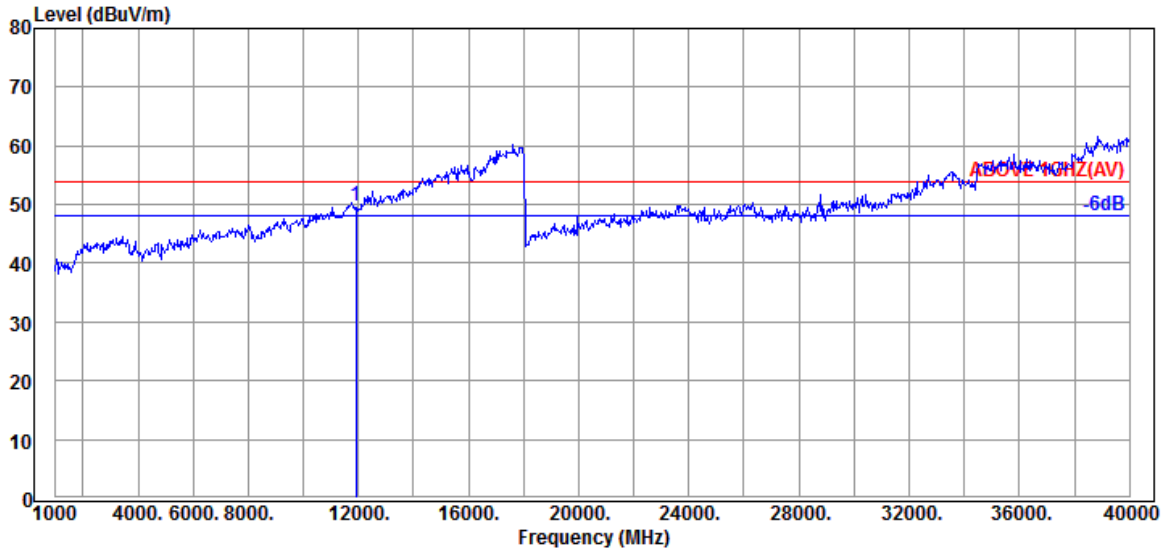
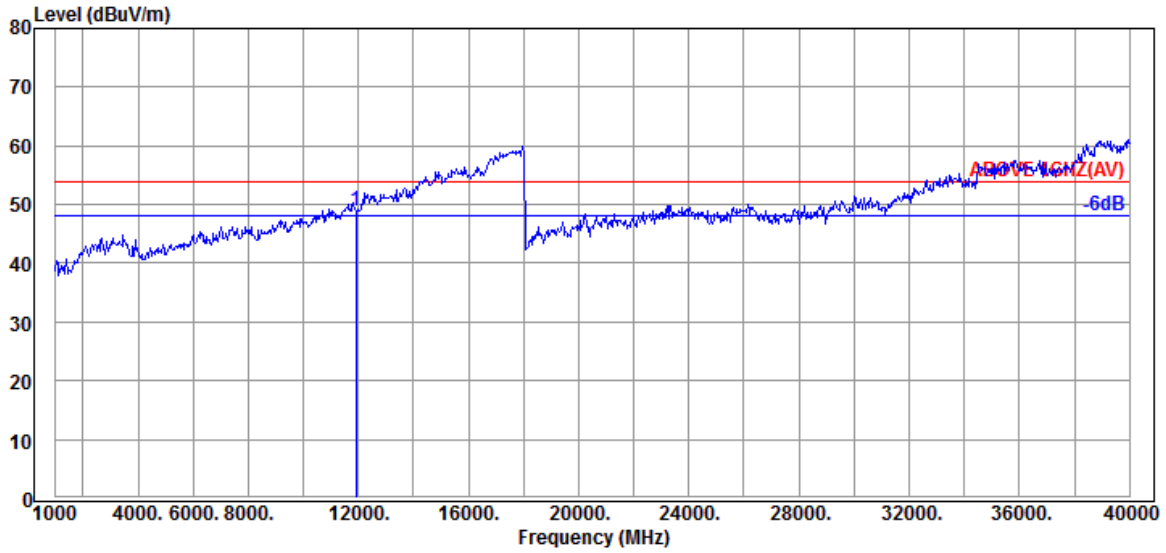
Tones	106T	RU Index	54
Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11910.000	39.30	14.04	39.34	35.78	49.78	54.00	4.22	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11910.000	39.30	14.04	39.34	35.00	49.00	54.00	5.00	Peak

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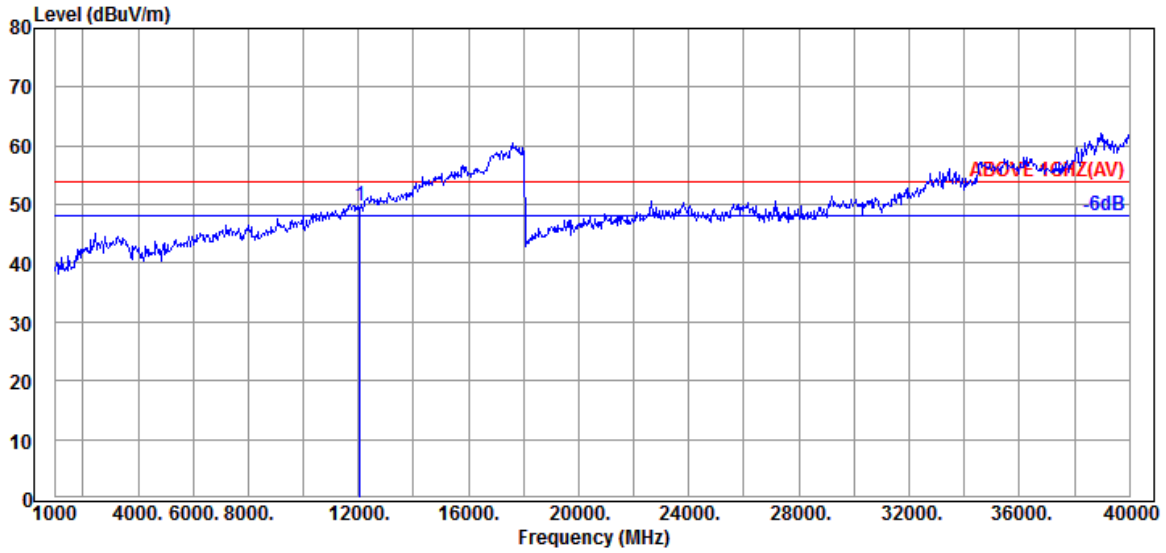
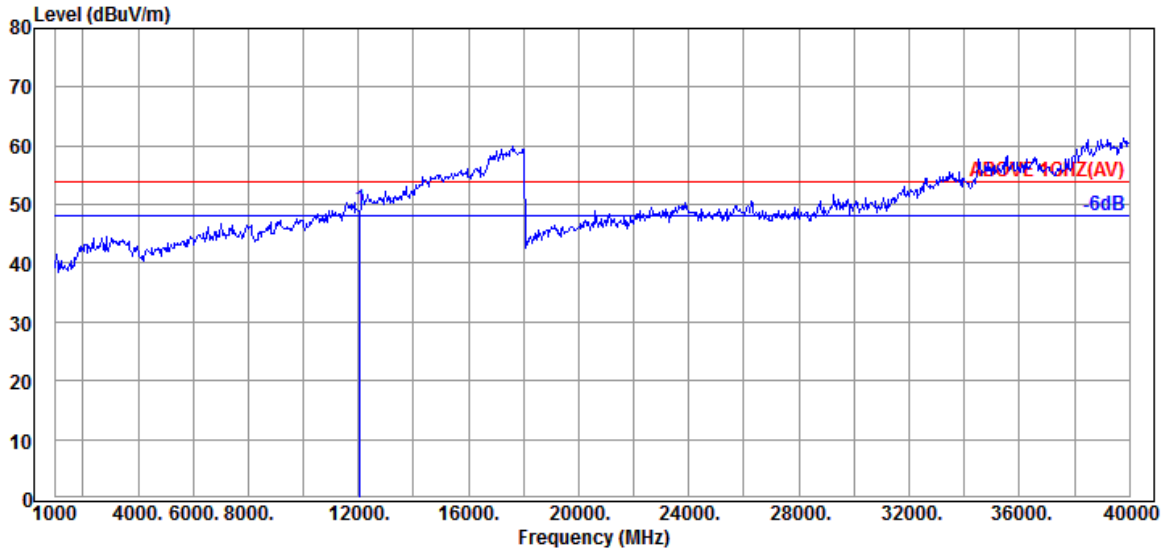
Tones	242T	RU Index	62
Mode	802.11ax-HE160	U-NII Band	5
		Frequency	TX 6025MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12050.000	39.03	14.17	39.29	35.74	49.65	54.00	4.35	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12050.000	39.03	14.17	39.29	35.36	49.27	54.00	4.73	Peak

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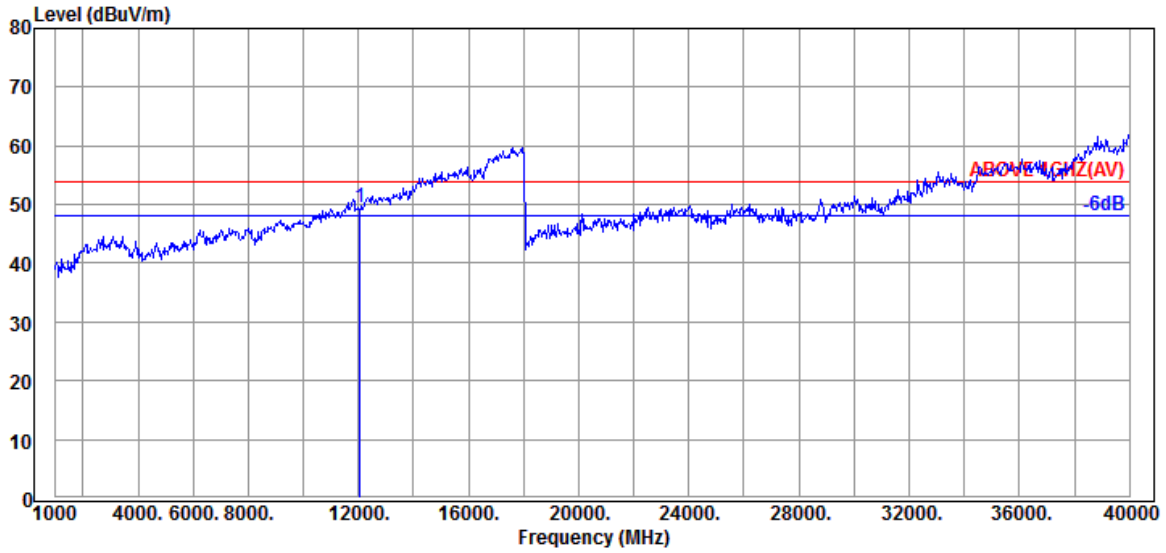
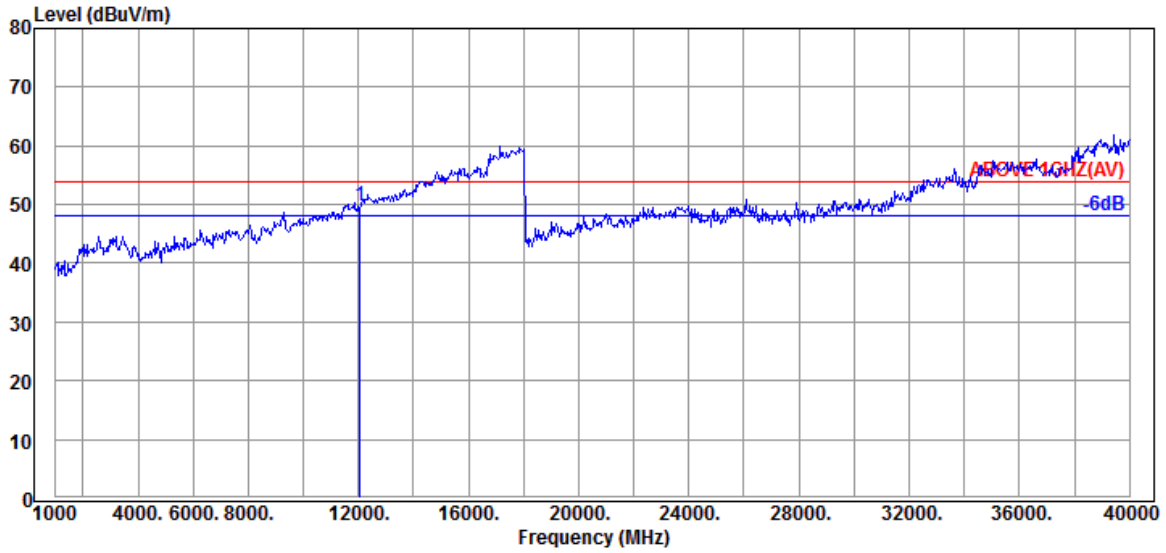
Tones	484T	RU Index	66
Mode	802.11ax-HE160	U-NII Band	5
		Frequency	TX 6025MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12050.000	39.03	14.17	39.29	35.71	49.62	54.00	4.38	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12050.000	39.03	14.17	39.29	35.89	49.80	54.00	4.20	Peak

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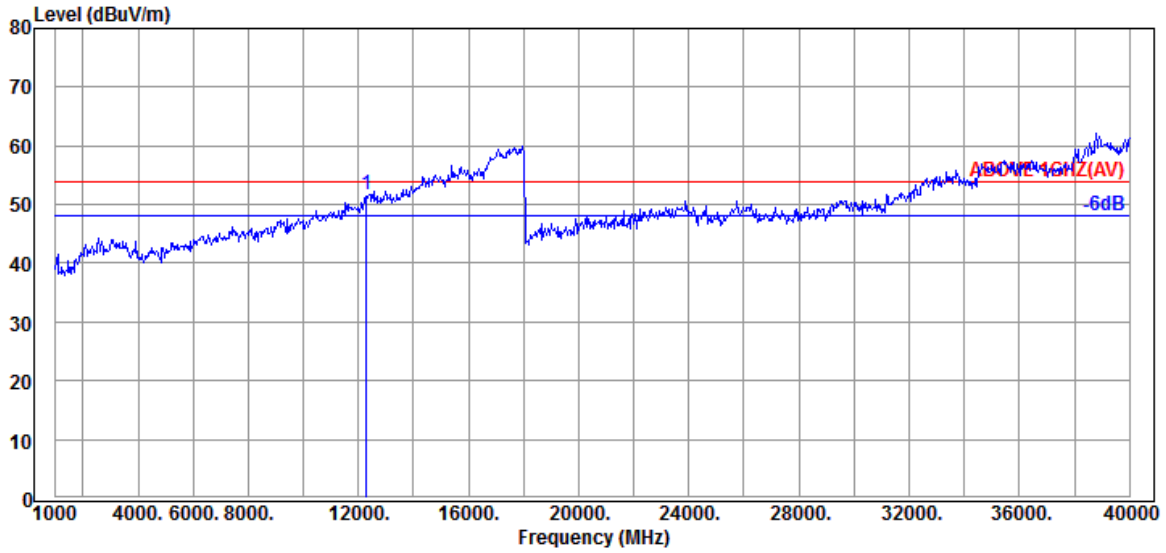
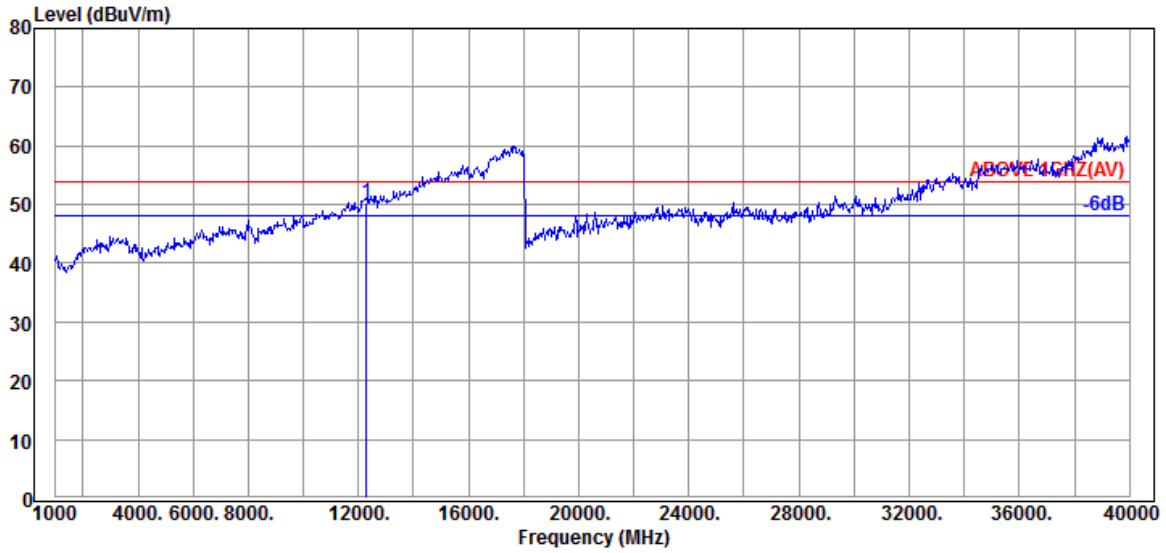
Tones	996T	RU Index	67
Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 6145MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12290.000	38.90	14.39	39.02	37.41	51.68	54.00	2.32	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12290.000	38.90	14.39	39.02	35.97	50.24	54.00	3.76	Peak

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A.2.3 Emissions in Non-restricted Frequency Bands

Pursuant to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 that emission levels below the 15.209 general radiated emissions limits is not required.

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A.3 MAXIMUM POWER SPECTRAL DENSITY

Test Date	2022/07/15~16	Temp./Hum.	25 ~ 26℃/45 ~ 49%
Cable Loss	1.50dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.3.1 Power Spectral Density Result

- OFDM Modulation

Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) Note3	Total Power Spectral Density (dBm/1MHz) Note2	Limit (dBm/MHz)
			AUX	Main				
802.11ax-HE20	5	5955	-10.798	-10.226	N/A	1.960	-5.532	-1
		6175	-10.672	-10.032		1.960	-5.370	
		6415	-10.467	-9.924		1.810	-5.367	
	6	6435	-10.588	-10.188		1.810	-5.563	
		6475	-10.625	-9.945		1.810	-5.451	
		6515	-10.772	-10.037		1.810	-5.569	
	7	6535	-13.368	-12.571		1.810	-8.131	
		6695	-13.828	-12.500		1.810	-8.293	
		6855	-12.591	-12.710		1.660	-7.980	
	8	6875	-12.710	-12.755		1.660	-8.062	
		6995	-12.805	-12.680		1.660	-8.072	
		7115	-16.454	-15.853		1.660	-11.473	
802.11ax-HE40	5	5965	-10.016	-9.497	N/A	1.960	-4.778	
		6165	-9.949	-9.427		1.960	-4.710	
		6405	-9.718	-9.443		1.810	-4.758	
	6	6445	-9.588	-9.651		1.810	-4.799	
		6485	-9.802	-9.613		1.810	-4.886	
	7	6525	-9.934	-9.591		1.810	-4.939	
		6685	-10.829	-10.309		1.810	-5.741	
		6845	-10.600	-9.853		1.660	-5.540	
	8	6885	-10.429	-9.968		1.660	-5.522	
		7005	-10.517	-10.362		1.660	-5.769	
		7085	-10.606	-10.344		1.660	-5.803	

Note: 1. All results have been included cable loss.
2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.
3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = 10 log[$(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}$] dBi
Directional gain:
5925MHz: 10 log[$(10^{2.2/10} + 10^{1.7/10})/2$]= 1.96dBi
6525MHz: 10 log[$(10^{2.1/10} + 10^{1.5/10})/2$]= 1.81dBi
7125MHz: 10 log[$(10^{1.9/10} + 10^{1.4/10})/2$]= 1.66dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

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Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) Note3	Total Power Spectral Density (dBm/1MHz) Note2	Limit (dBm/MHz)
			AUX	Main				
802.11ax-HE80	5	5985	-9.810	-9.367	N/A	1.960	-4.613	-1
		6145	-9.888	-9.301		1.960	-4.614	
		6385	-9.670	-9.302		1.810	-4.662	
	6	6465	-9.735	-9.514		1.810	-4.803	
		6545	-10.050	-9.401		1.810	-4.893	
	7	6625	-10.617	-10.195		1.810	-5.581	
		6705	-10.448	-10.270		1.810	-5.538	
		6785	-10.489	-10.342		1.810	-5.595	
	8	6865	-10.010	-9.813		1.660	-5.240	
		6945	-10.197	-10.207		1.660	-5.532	
		7025	-10.256	-10.111		1.660	-5.513	
802.11ax-HE160	5	6025	-9.222	-9.208	N/A	1.960	-4.245	
		6185	-9.099	-9.156		1.960	-4.157	
		6345	-9.007	-9.054		1.810	-4.210	
	6	6505	-9.639	-9.523		1.810	-4.760	
	7	6665	-9.810	-9.949		1.810	-5.059	
		6825	-10.018	-9.921		1.660	-5.299	
	8	6985	-9.746	-9.729		1.660	-5.067	

Note: 1. All results have been included cable loss
2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.
3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = 10 log[$(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}$] dBi
Directional gain:
5925MHz: 10 log[$(10^{2.2/10} + 10^{1.7/10})/2$]= 1.96dBi
6525MHz: 10 log[$(10^{2.1/10} + 10^{1.5/10})/2$]= 1.81dBi
7125MHz: 10 log[$(10^{1.9/10} + 10^{1.4/10})/2$]= 1.66dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

● OFDMA Modulation

Tones	RU Index	Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) Note3	Total Power Spectral Density (dBm/1MHz) Note2	Limit (dBm/MHz)
					AUX	Main				
26T	18	802.11ax-HE80	5	5985	-10.035	-9.102	N/A	1.960	-4.573	-1
52T	44	802.11ax-HE80	5	5985	-9.042	-7.944	N/A	1.960	-3.488	
106T	54	802.11ax-HE20	5	5955	-9.315	-8.158	N/A	1.960	-3.728	
242T	62	802.11ax-HE160	5	6025	-9.905	-9.065	N/A	1.960	-4.494	
484T	66	802.11ax-HE160	5	6025	-9.744	-10.009	N/A	1.960	-4.904	
996T	67	802.11ax-HE80	5	6145	-9.625	-9.437	N/A	1.960	-4.560	

Note: 1. All results have been included cable loss.
2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.
3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = 10 log[$(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}$] dBi
Directional gain:
5925MHz: 10 log[$(10^{2.2/10} + 10^{1.7/10})/2$]= 1.96dBi
6525MHz: 10 log[$(10^{2.1/10} + 10^{1.5/10})/2$]= 1.81dBi
7125MHz: 10 log[$(10^{1.9/10} + 10^{1.4/10})/2$]= 1.66dBi
The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

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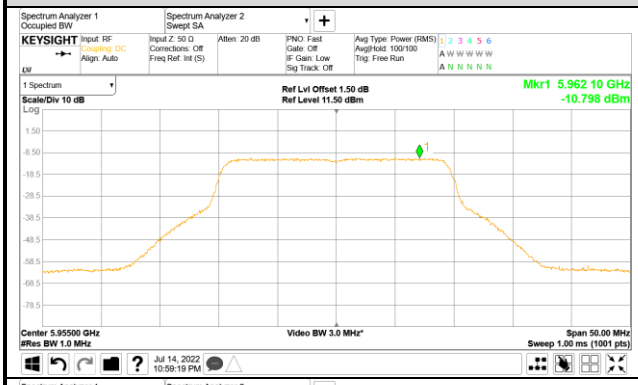
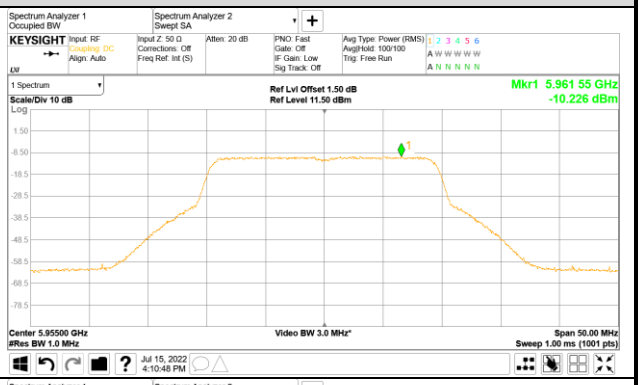
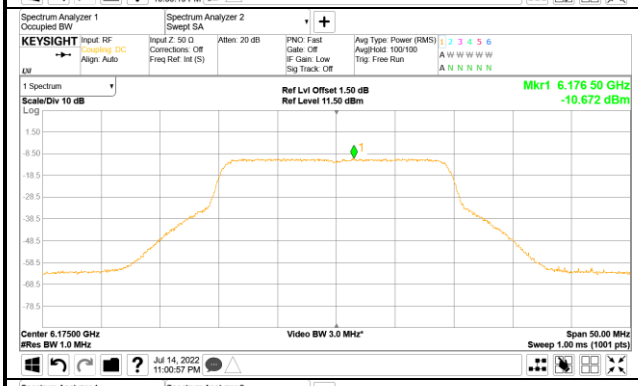
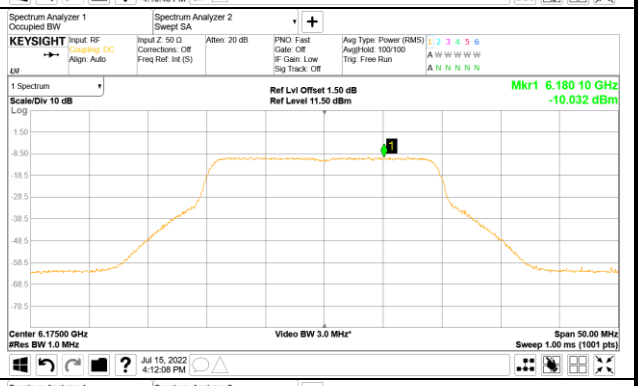
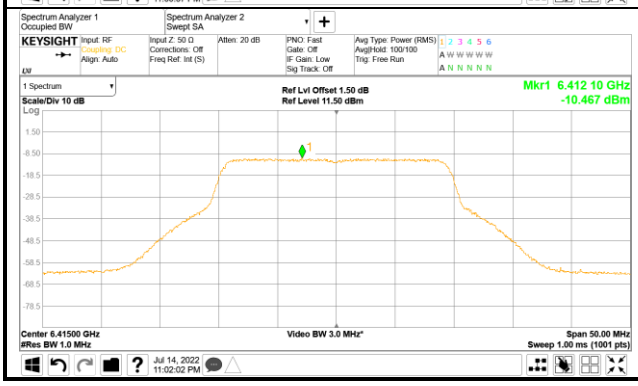
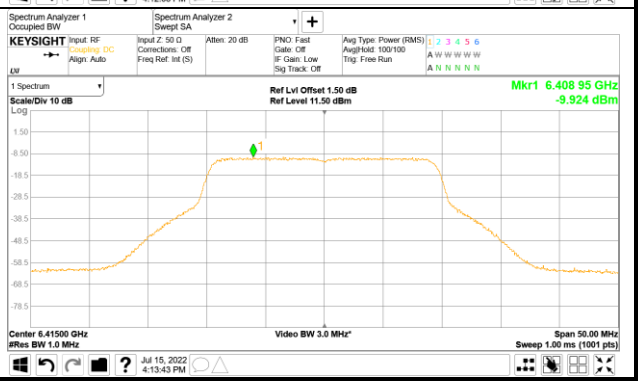
A.3.2 Measurement Plots

- OFDM Modulation

Mode: 802.11ax-HE20	
AUX	Main
U-NII Band 5	U-NII Band 5
	
	
	

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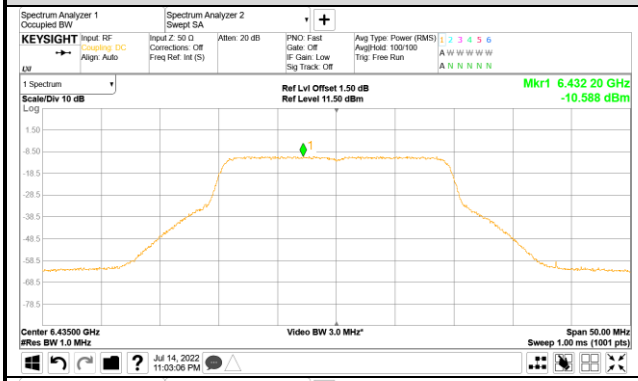
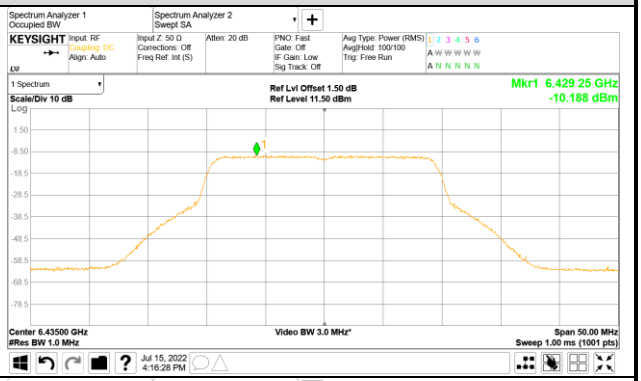
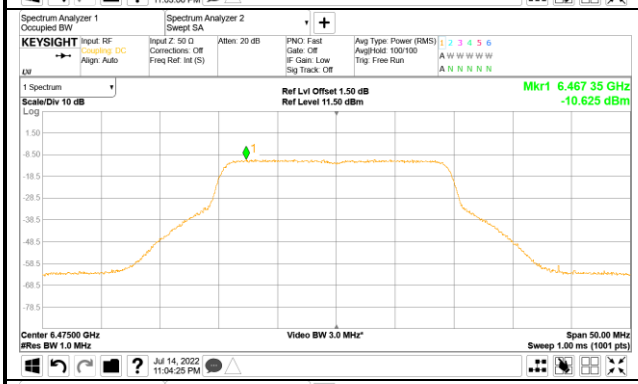
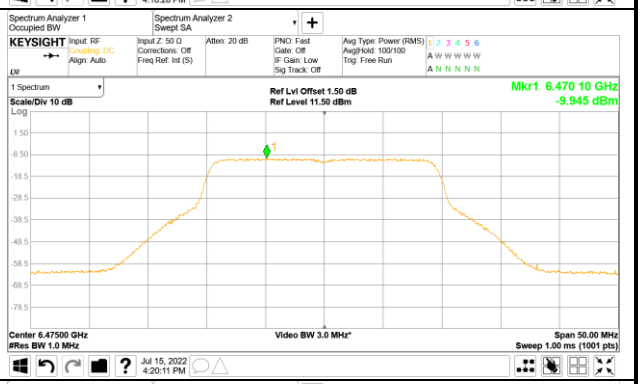
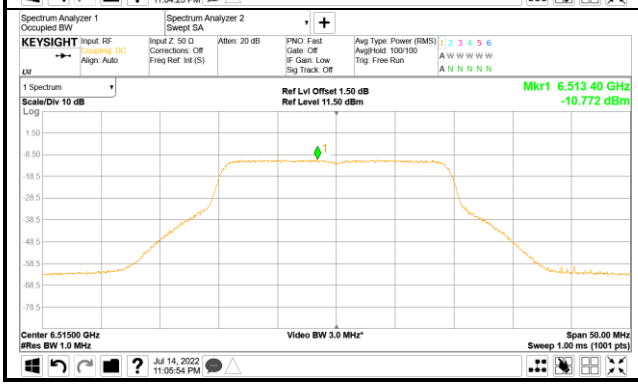
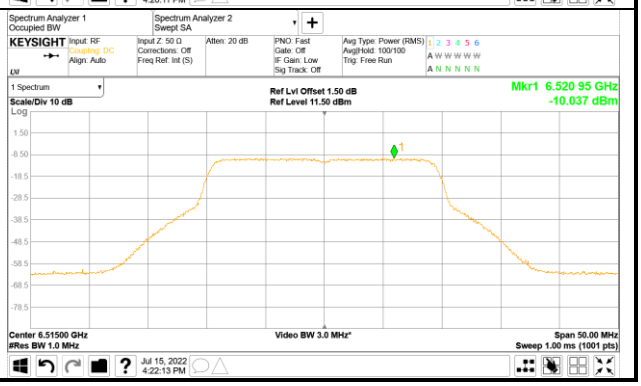
Mode: 802.11ax-HE20	
AUX	Main
U-NII Band 6	U-NII Band 6
	
	
	

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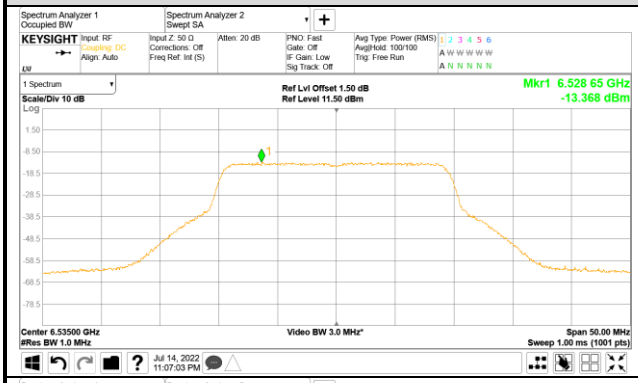
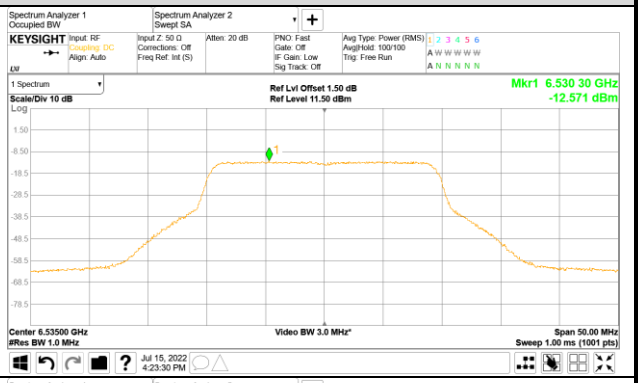
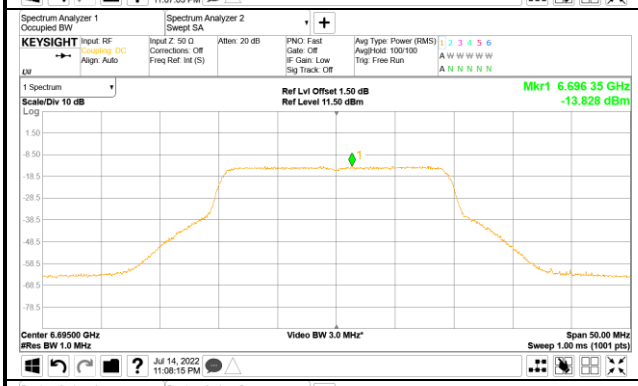
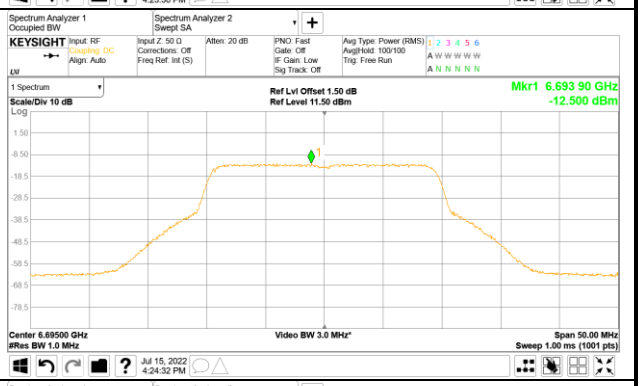
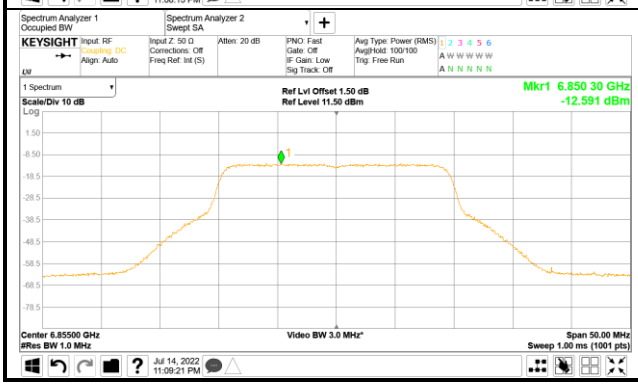
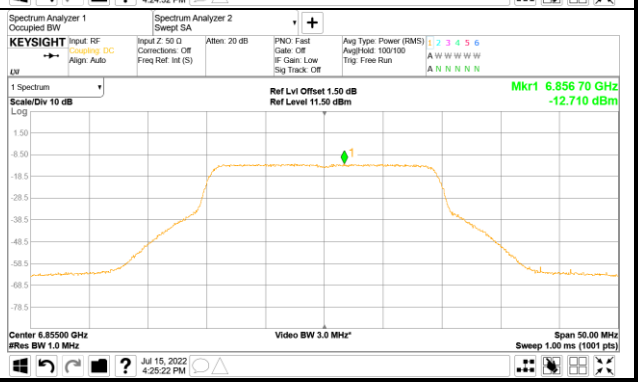
Mode: 802.11ax-HE20	
AUX	Main
U-NII Band 7	U-NII Band 7
	
	
	

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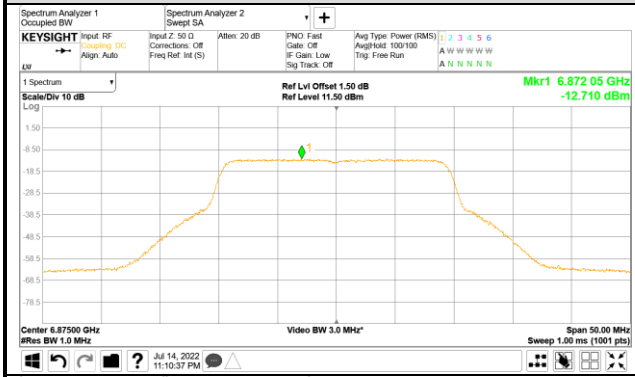
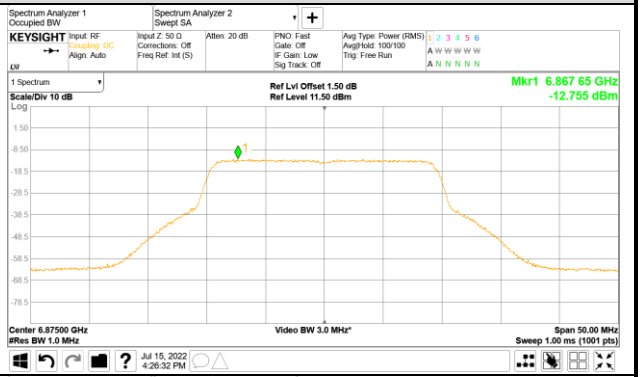
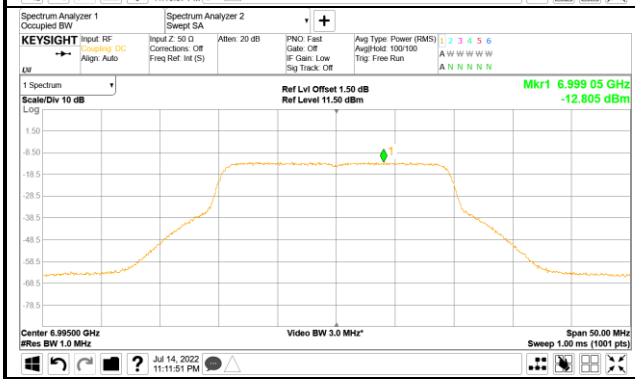
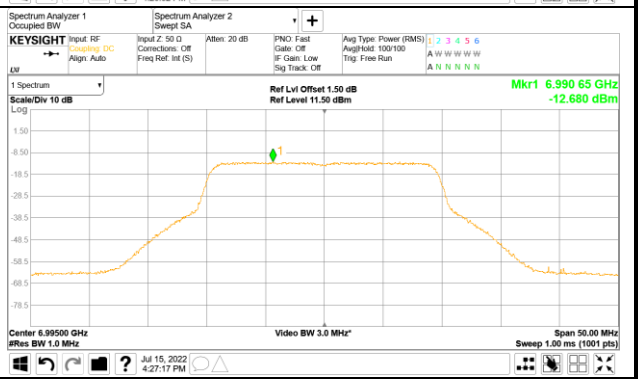
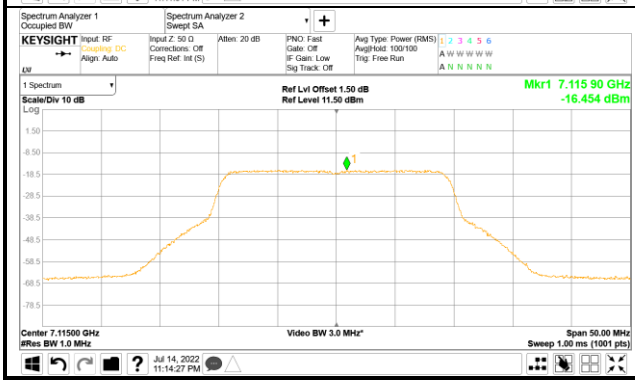
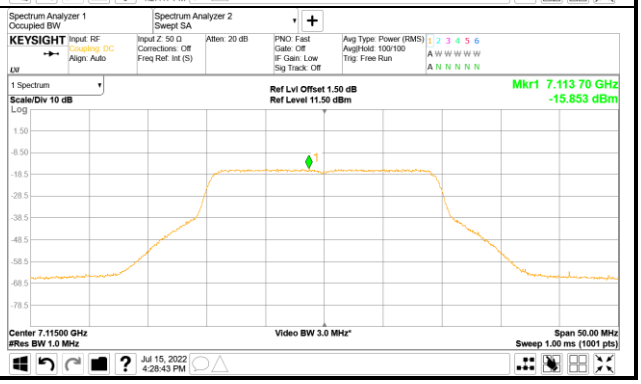
Mode: 802.11ax-HE20	
AUX	Main
U-NII Band 8	U-NII Band 8
	
	
	

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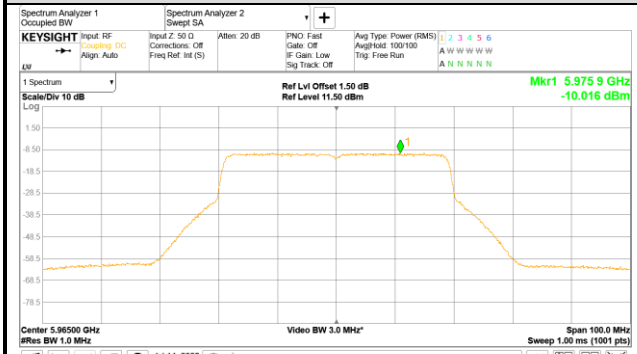
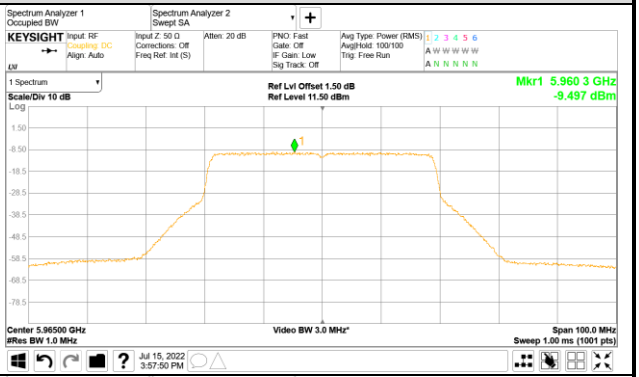
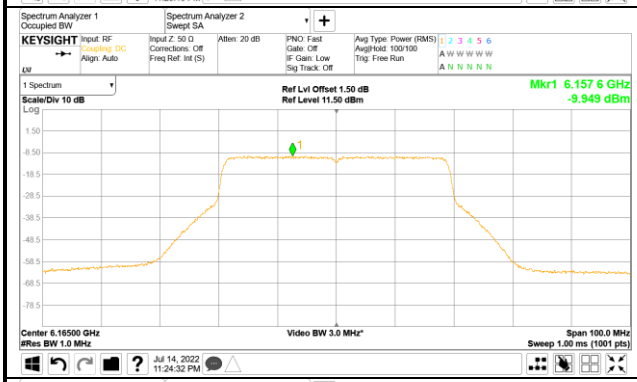
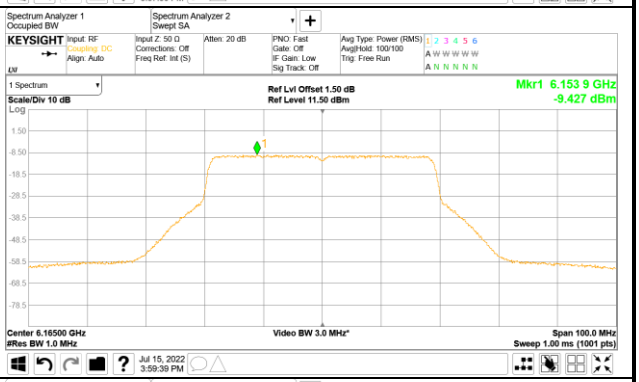
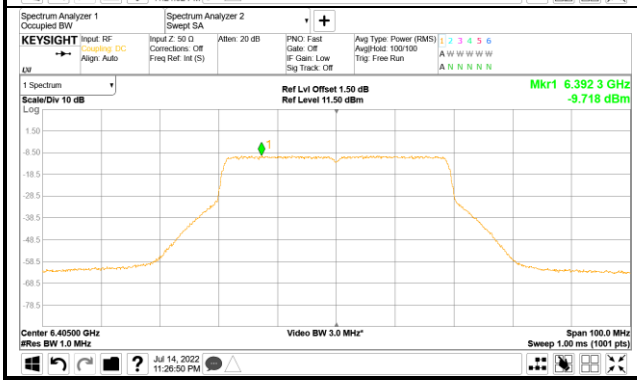
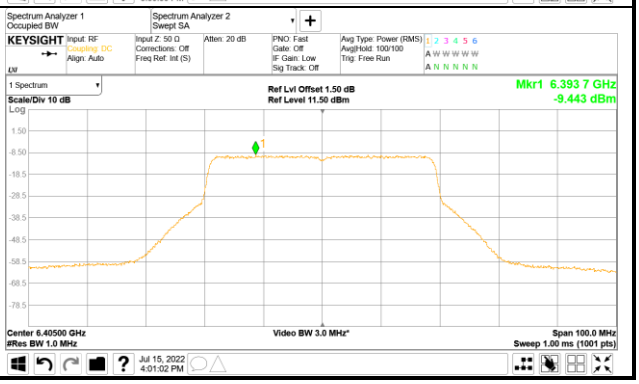
Mode: 802.11ax-HE40	
AUX	Main
U-NII Band 5	U-NII Band 5
	
	
	

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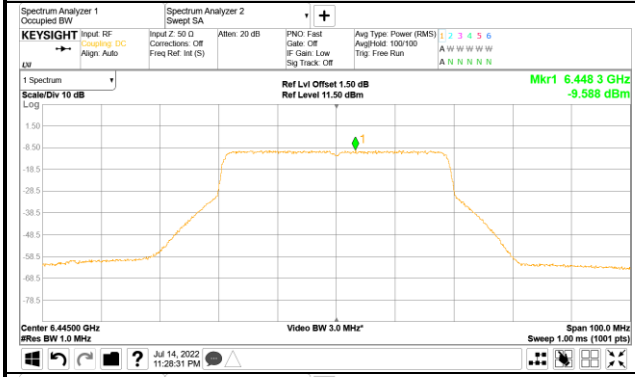
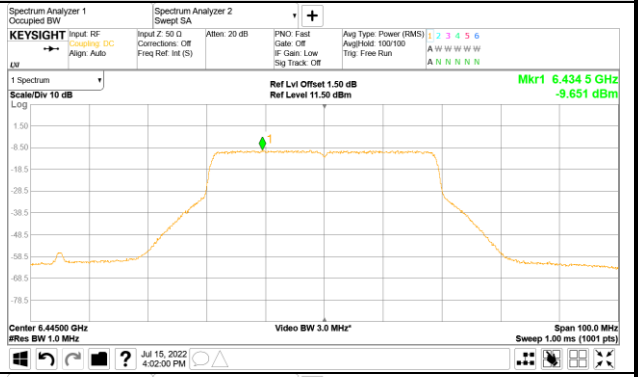
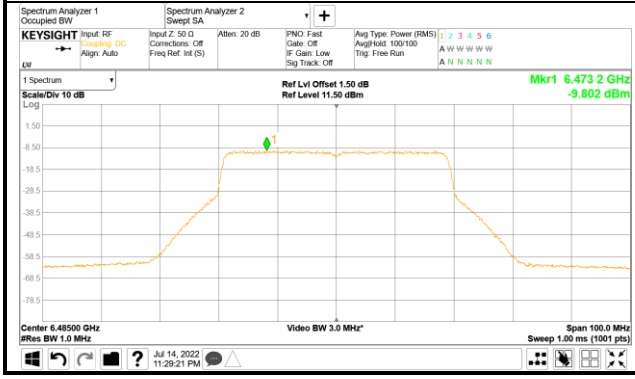
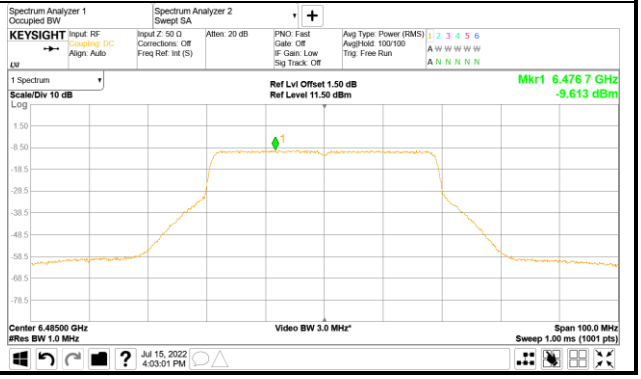
Mode: 802.11ax-HE40	
AUX	Main
U-NII Band 6	U-NII Band 6
	
	

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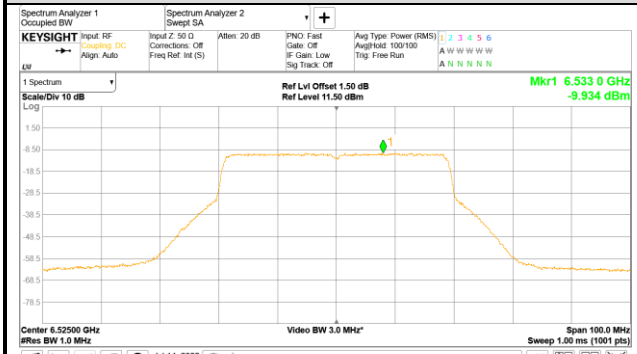
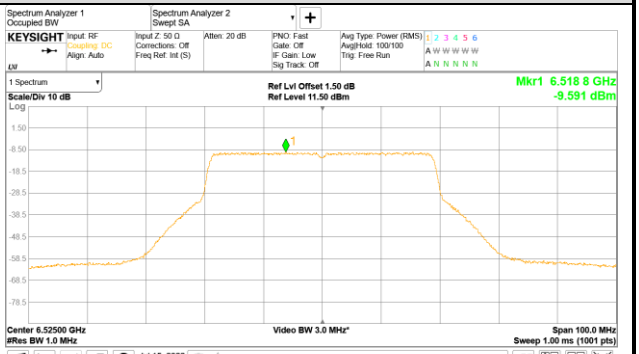
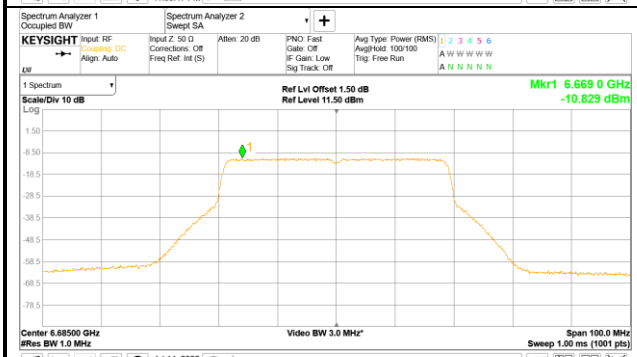
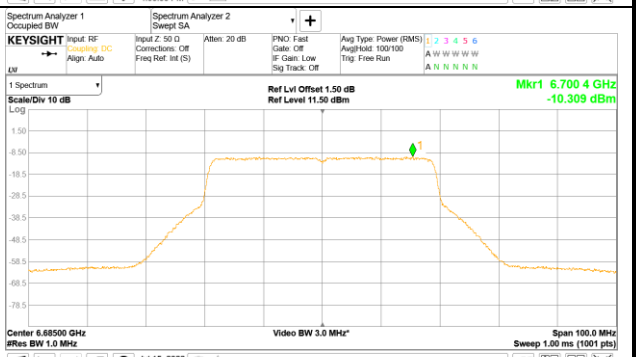
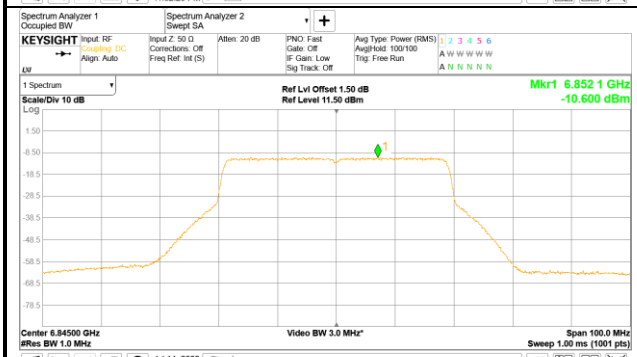
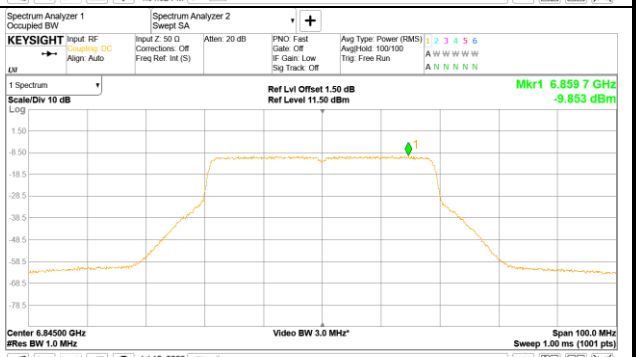
Mode: 802.11ax-HE40	
AUX	Main
U-NII Band 7	U-NII Band 7
	
	
	

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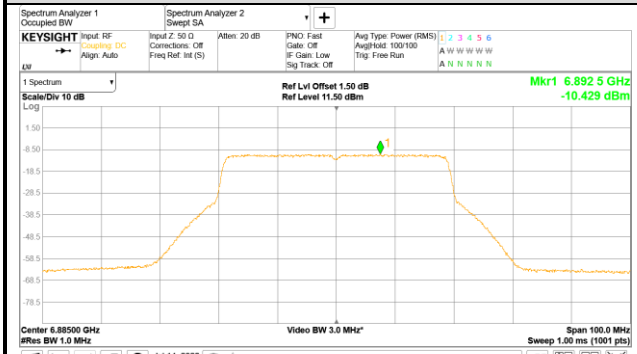
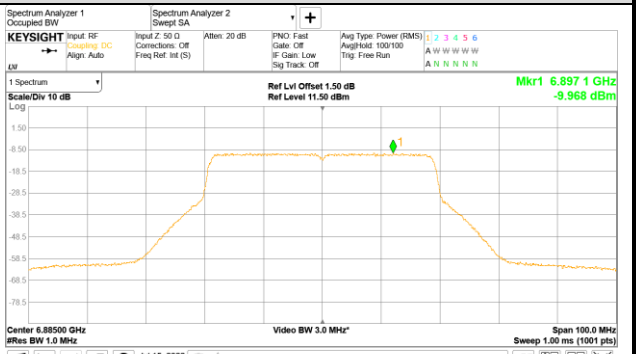
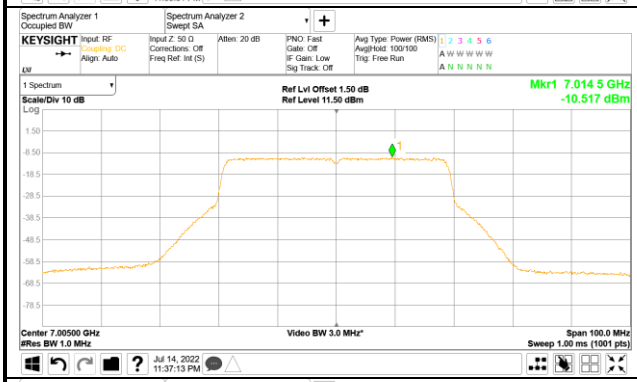
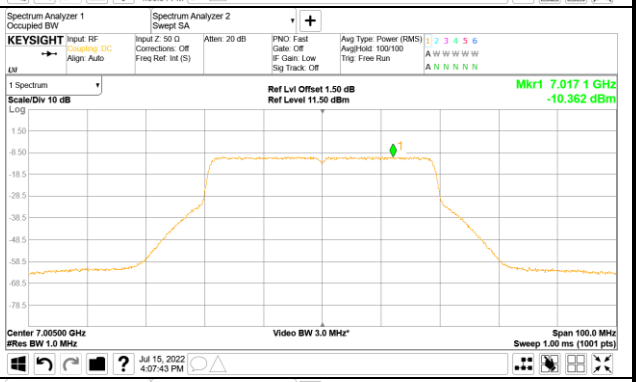
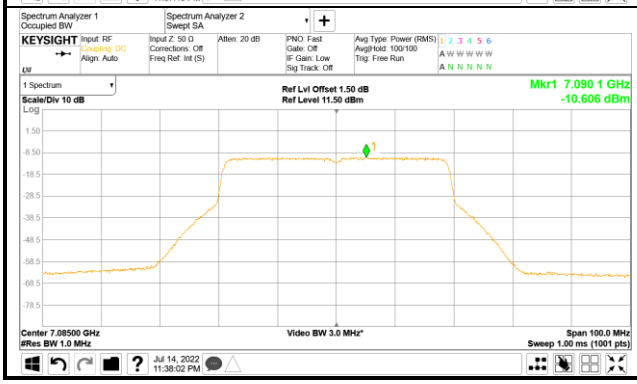
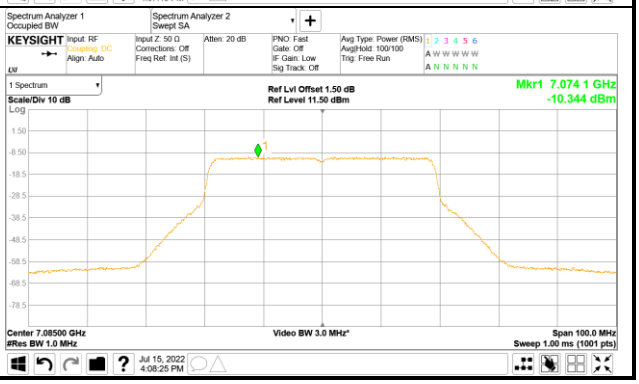
Mode: 802.11ax-HE40	
AUX	Main
U-NII Band 8	U-NII Band 8
	
	
	

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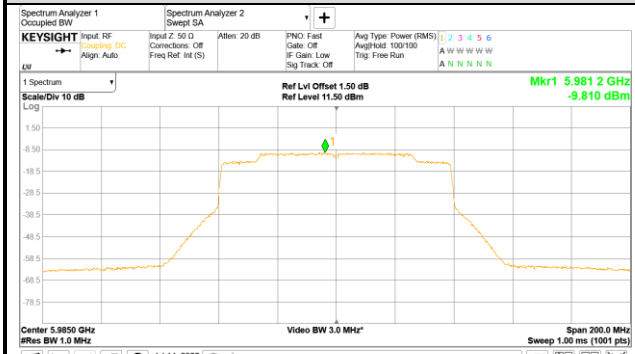
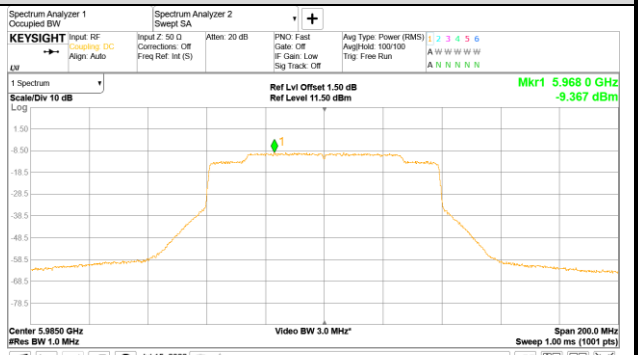
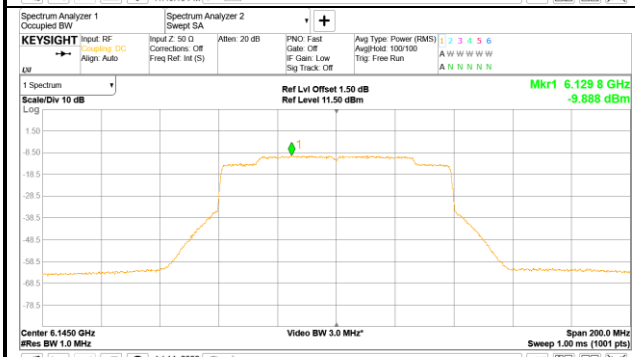
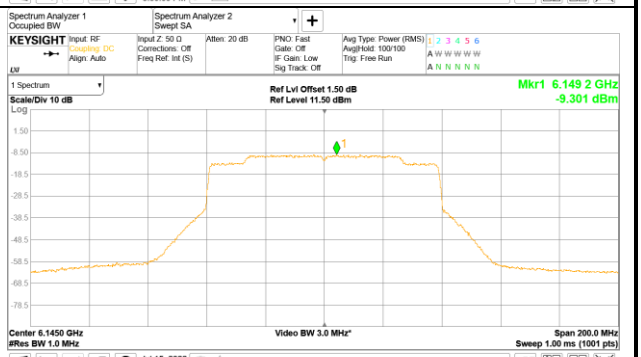
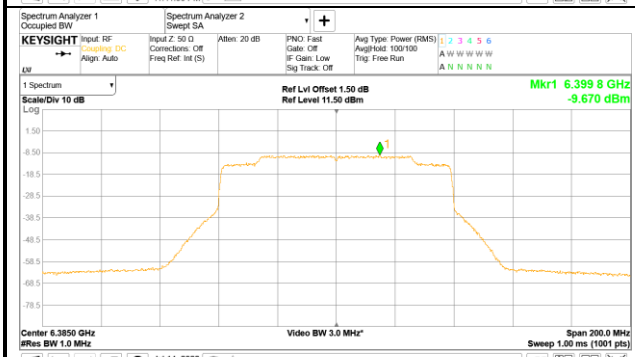
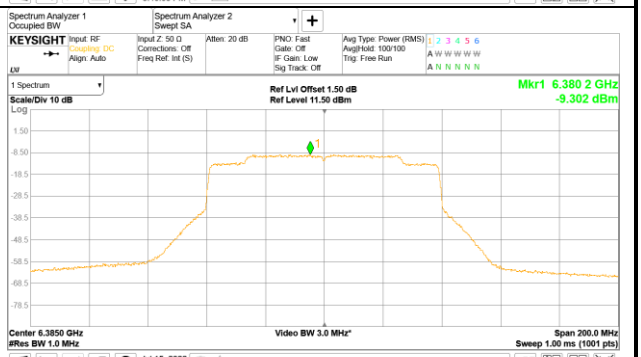
Mode: 802.11ax-HE80	
AUX	Main
U-NII Band 5	U-NII Band 5
	
	
	

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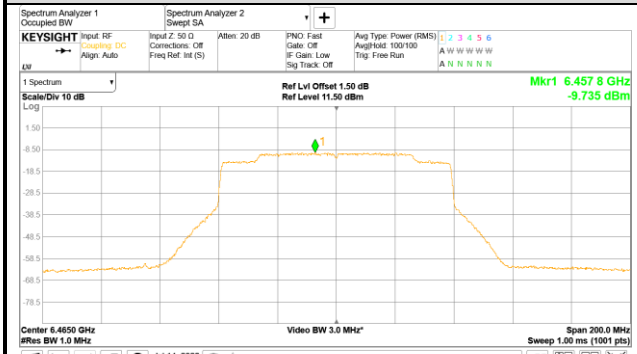
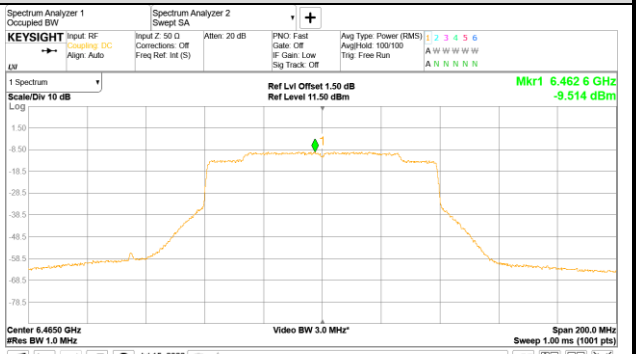
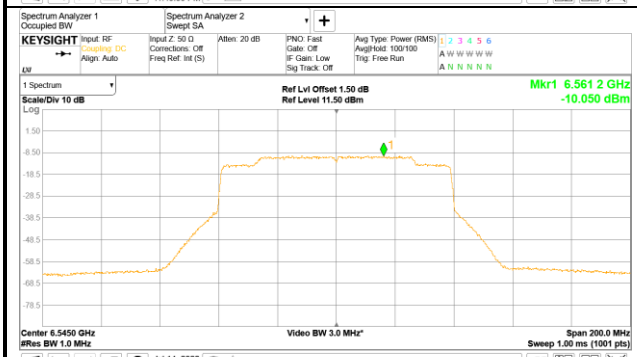
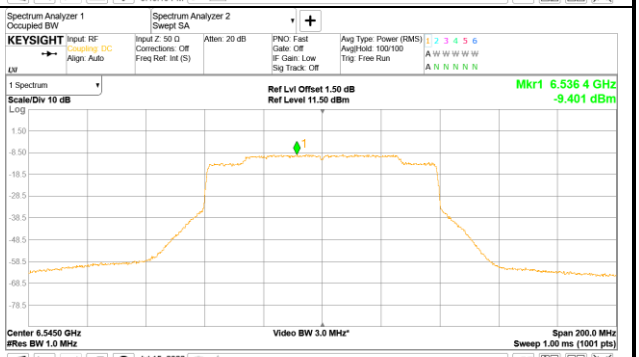
Mode: 802.11ax-HE80	
AUX	Main
U-NII Band 6	U-NII Band 6
	
	

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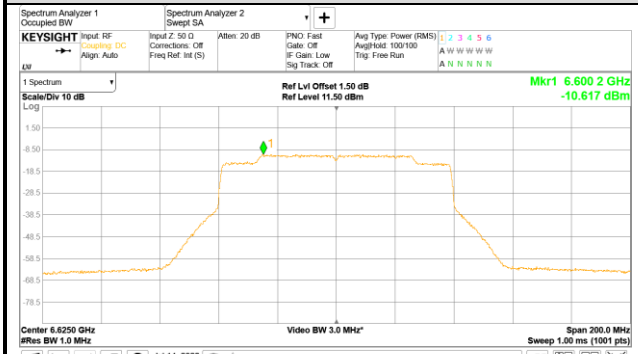
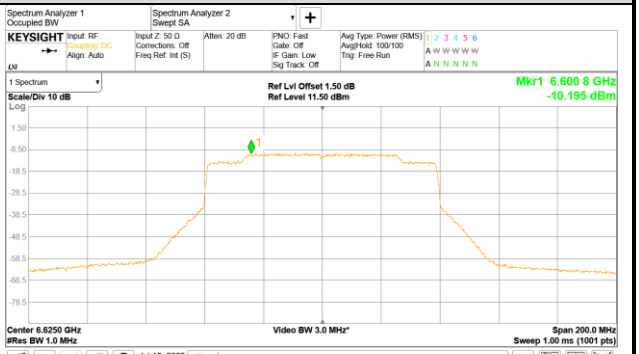
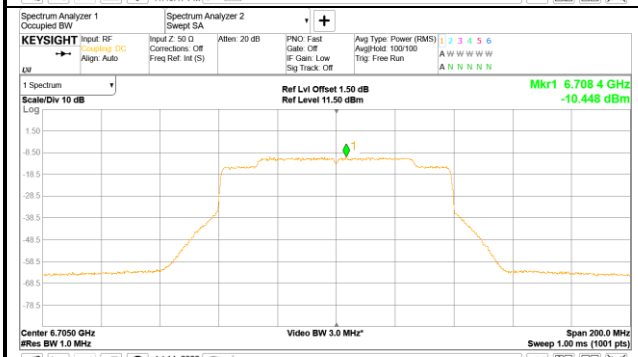
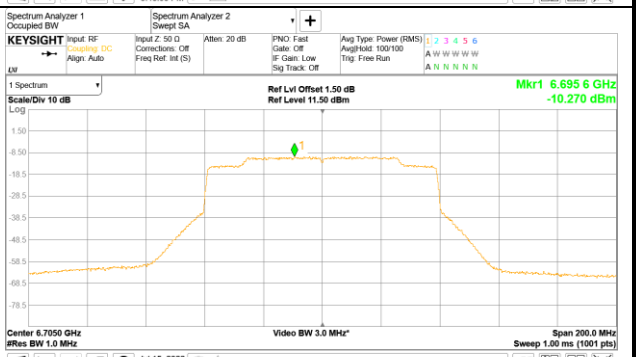
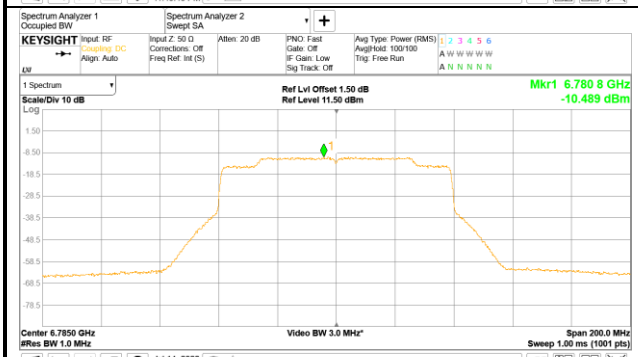
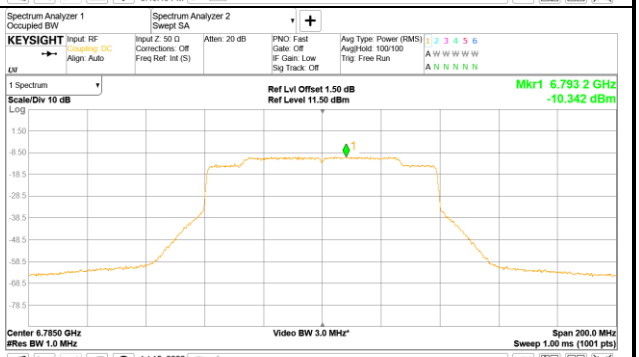
Mode: 802.11ax-HE80	
AUX	Main
U-NII Band 7	U-NII Band 7
	
	
	

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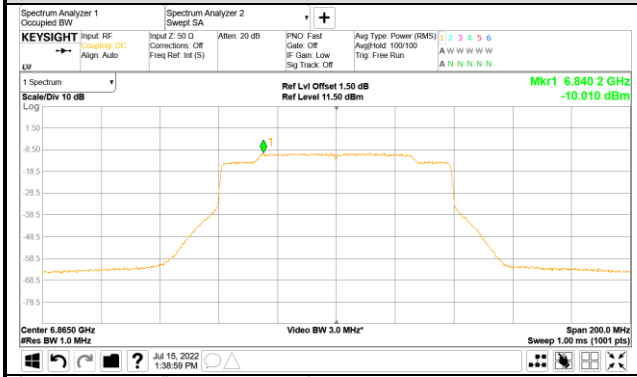
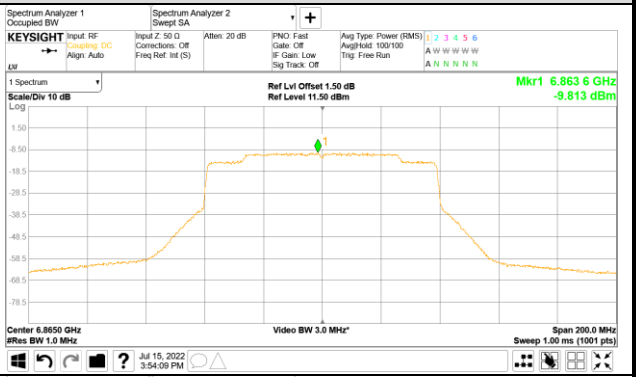
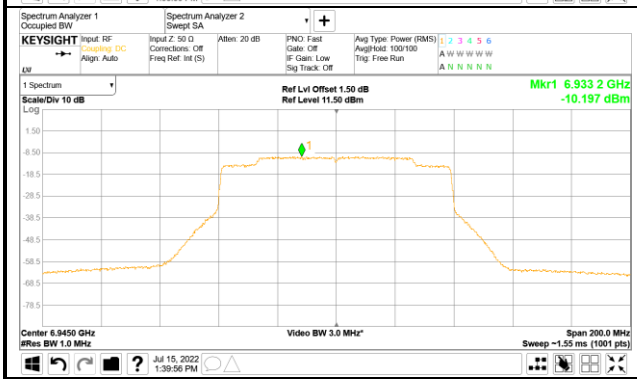
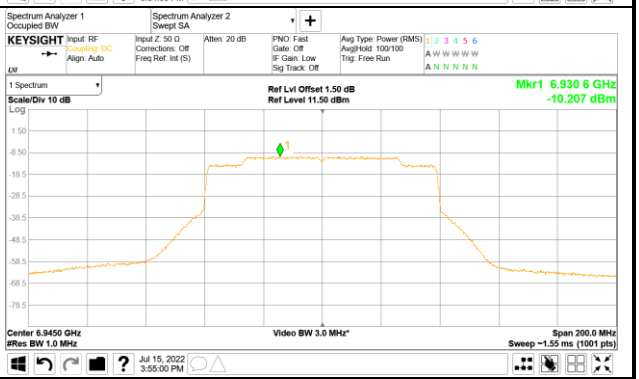
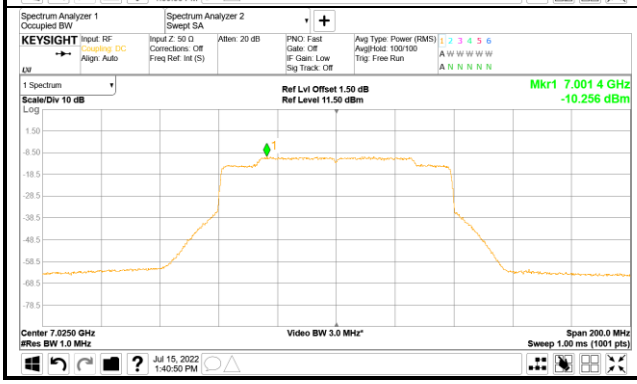
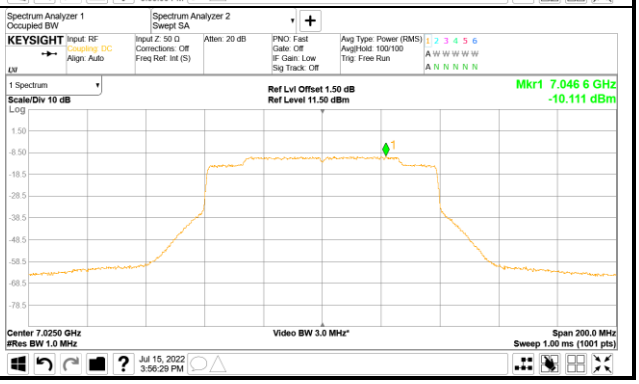
Mode: 802.11ax-HE80	
AUX	Main
U-NII Band 8	U-NII Band 8
	
	
	

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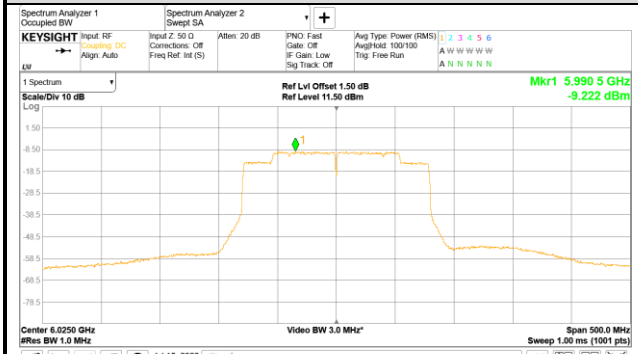
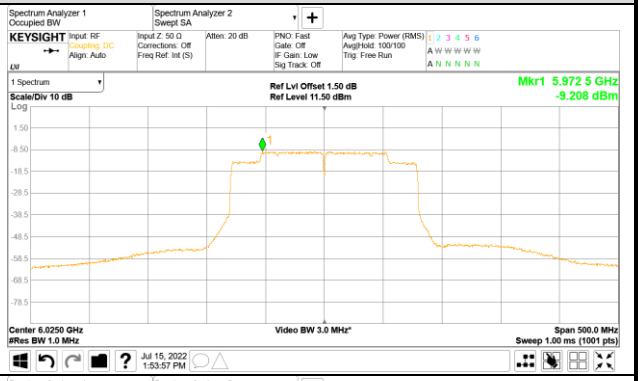
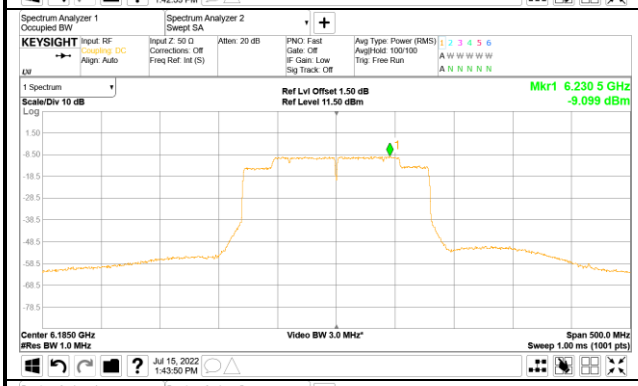
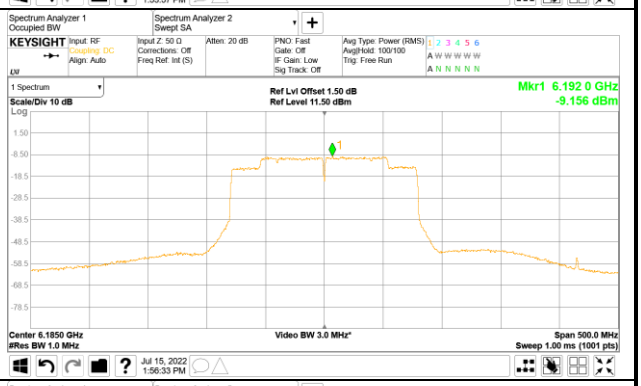
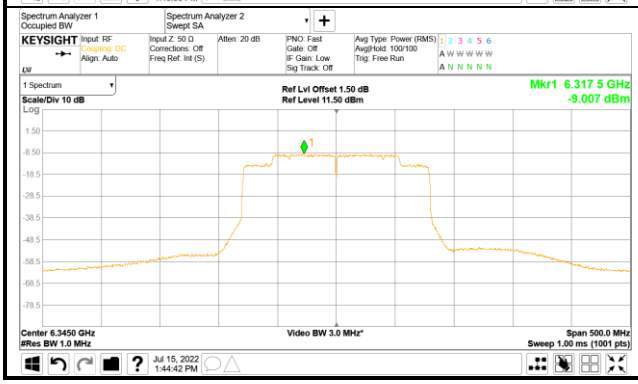
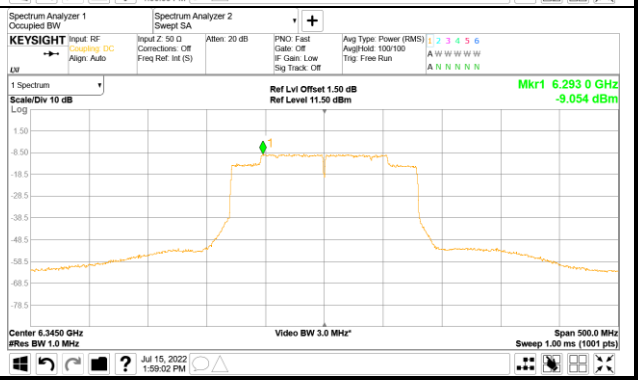
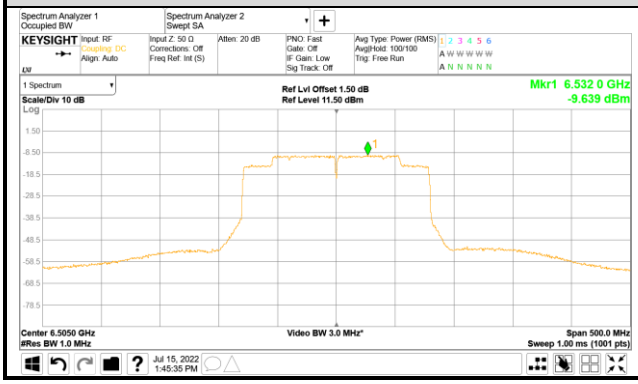
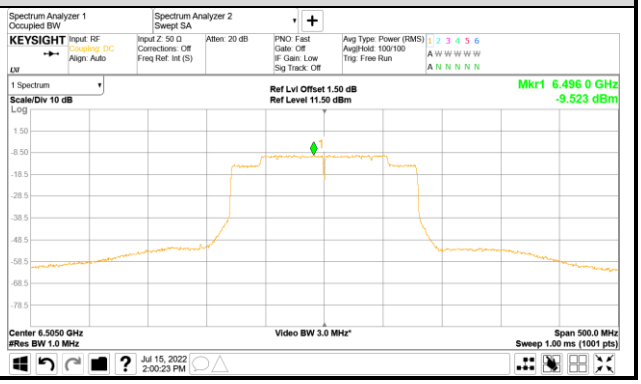
Mode: 802.11ax-HE160	
AUX	Main
U-NII Band 5	U-NII Band 5
	
	
	

Mode: 802.11ax-HE160	
AUX	Main
U-NII Band 6	U-NII Band 6
	

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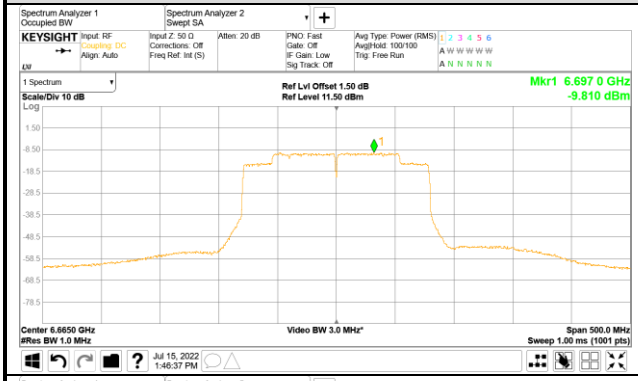
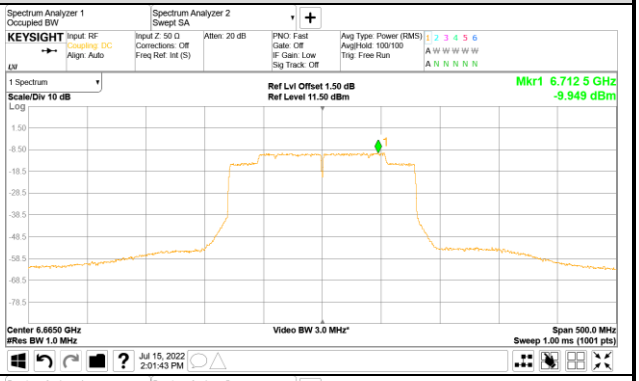
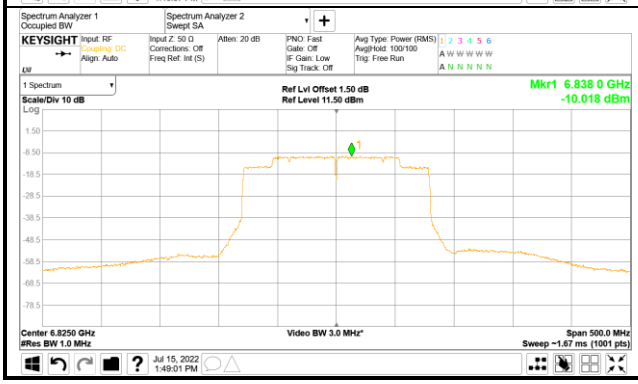
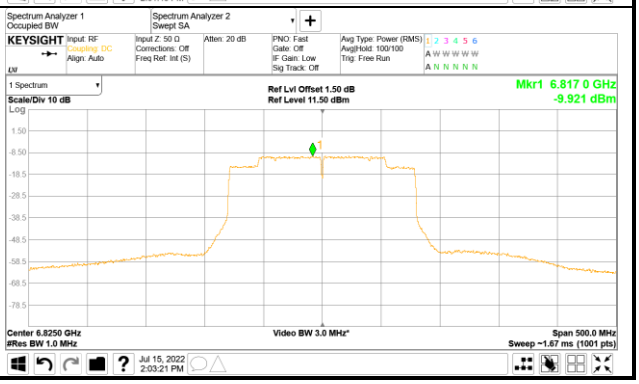
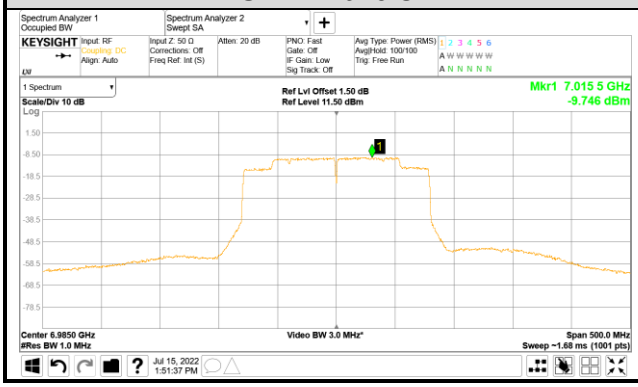
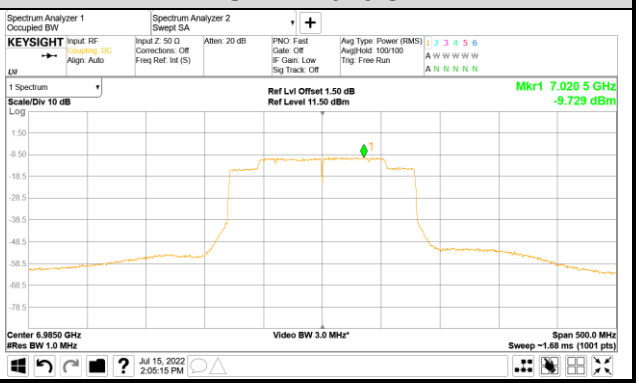
Mode: 802.11ax-HE160	
AUX	Main
U-NII Band 7	U-NII Band 7
	
	

Mode: 802.11ax-HE160	
AUX	Main
U-NII Band 8	U-NII Band 8
	

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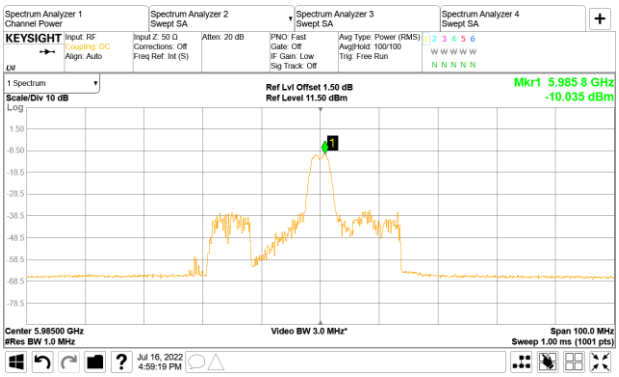
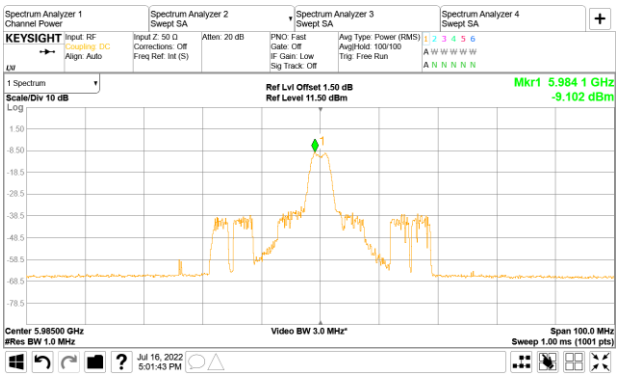
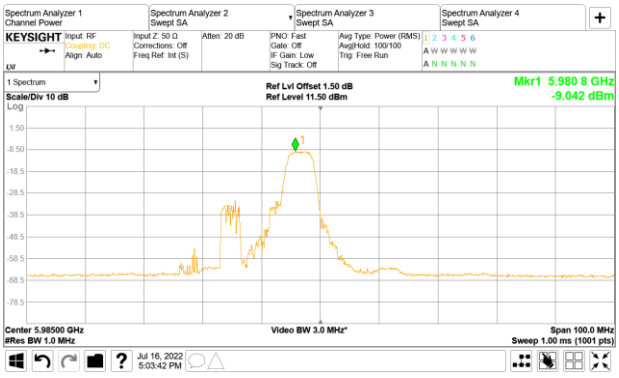
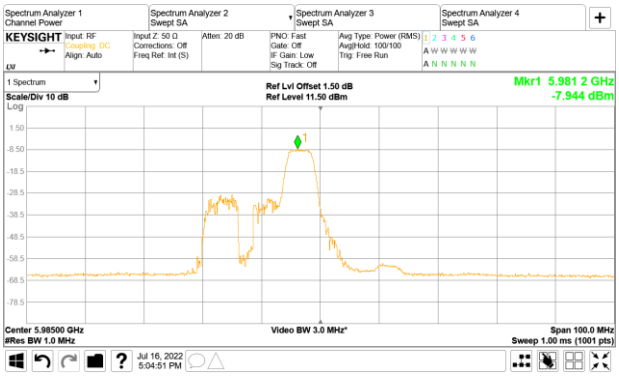
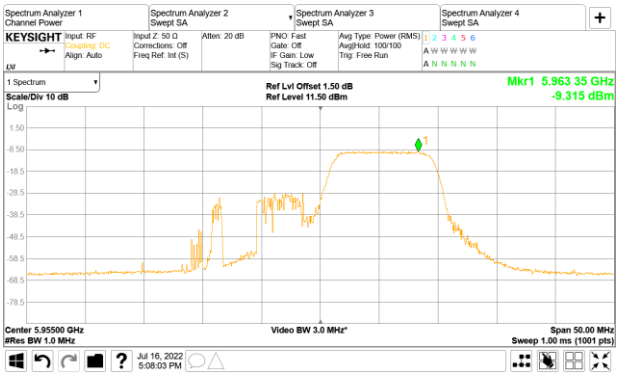
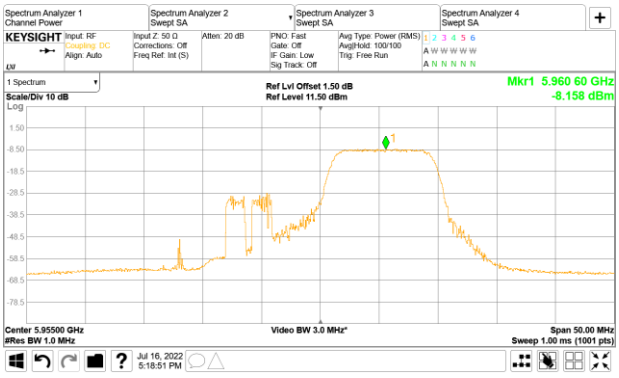
- OFDMA Modulation

Tones: 26T	
802.11ax-HE80, RU Index: 18	
U-NII Band 5, Centre Frequency: 5985MHz	
AUX	Main
	
Tones: 52T	
802.11ax-HE80, RU Index: 44	
U-NII Band 5, Centre Frequency: 5985MHz	
AUX	Main
	
Tones: 106T	
802.11ax-HE20, RU Index: 54	
U-NII Band 5, Centre Frequency: 5955MHz	
AUX	Main
	

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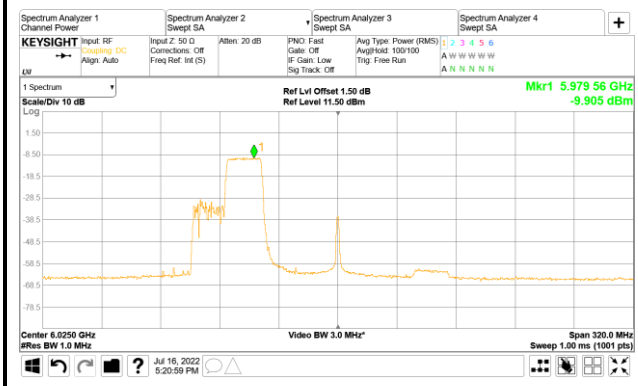
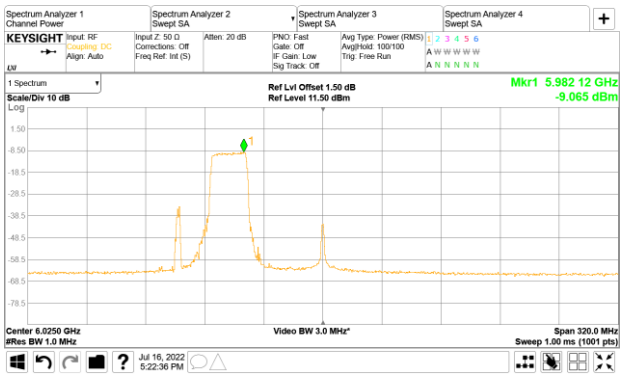
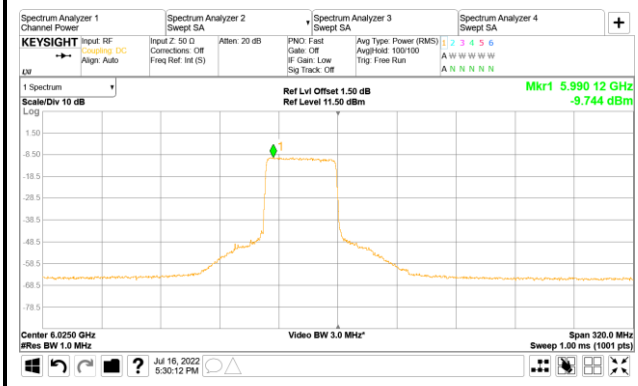
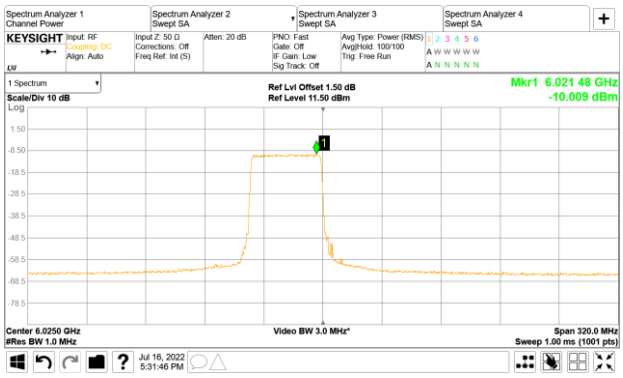
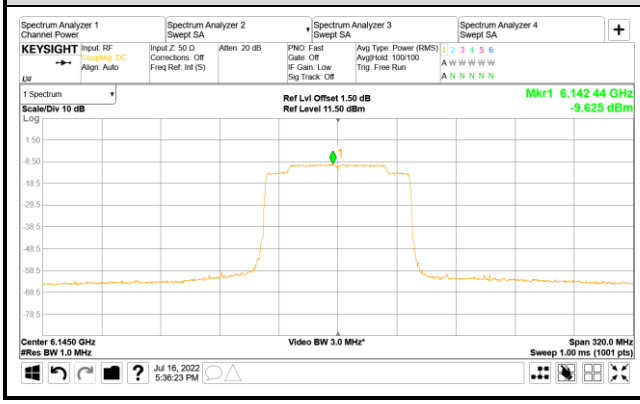
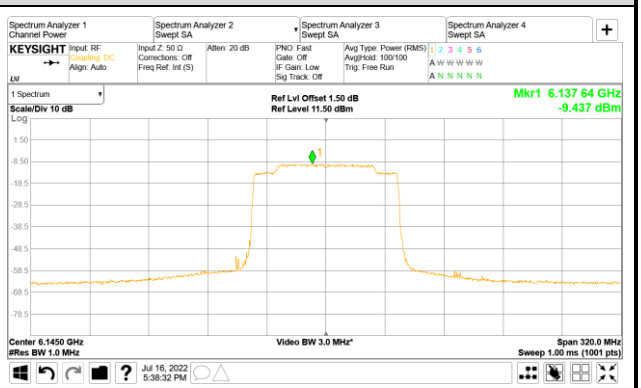
Tones: 242T	
802.11ax-HE160, RU Index: 62	
U-NII Band 5, Centre Frequency: 6025MHz	
AUX	Main
	

Tones: 484T	
802.11ax-HE160, RU Index: 66	
U-NII Band 6, Centre Frequency: 6025MHz	
AUX	Main
	

Tones: 996T	
802.11ax-HE80, RU Index: 67	
U-NII Band 5, Centre Frequency: 6145MHz	
AUX	Main
	

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