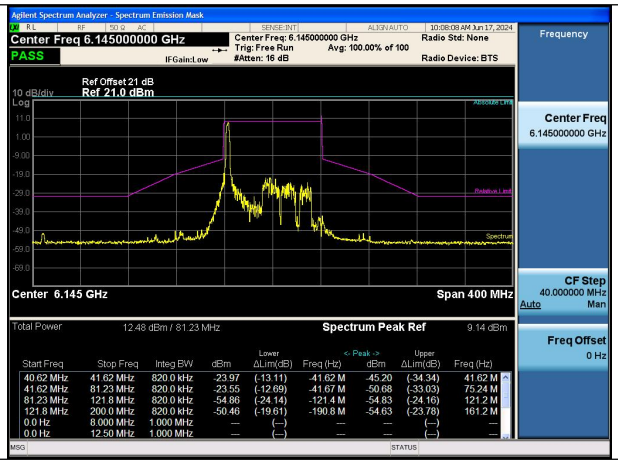
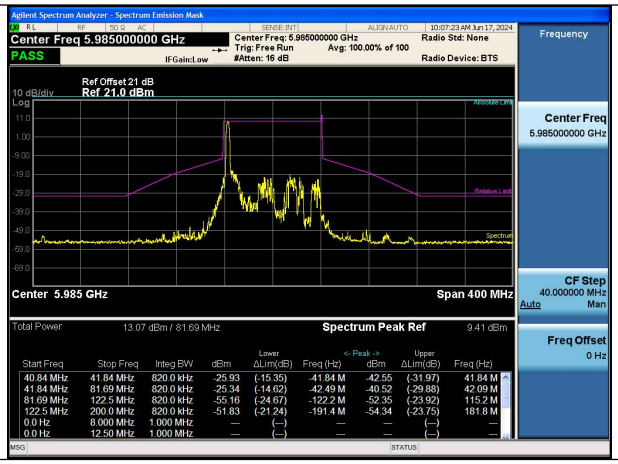
Test Mode: 802.11ax HE80

Mode:802.11ax HE80 Tone:26T Frequency:5985MHz Ant:Chain0



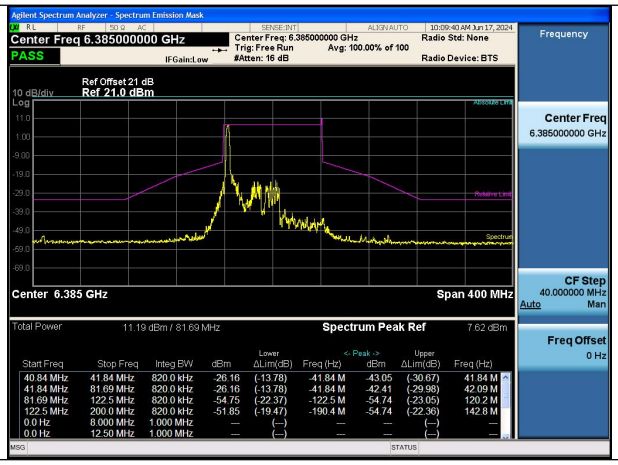
Mode:802.11ax HE80 Tone:26T Frequency:6145MHz Ant:Chain0

Mode:802.11ax HE80 Tone:26T Frequency:6385MHz Ant:Chain0



Mode:802.11ax HE80 Tone:26T Frequency:5985MHz Ant:Chain1

Mode:802.11ax HE80 Tone:26T Frequency:6145MHz Ant:Chain1



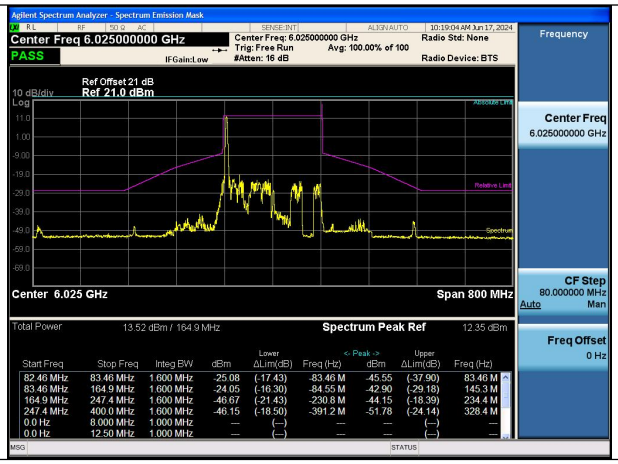
Mode:802.11ax HE80 Tone:26T Frequency:6385MHz Ant:Chain1

Test Mode: 802.11ax HE160

Mode:802.11ax HE160 Tone:26T Frequency:6025MHz Ant:Chain0

Mode:802.11ax HE160 Tone:26T Frequency:6185MHz Ant:Chain0

Mode:802.11ax HE160 Tone:26T Frequency:6345MHz Ant:Chain0



Mode:802.11ax HE160 Tone:26T Frequency:6025MHz Ant:Chain1

Mode:802.11ax HE160 Tone:26T Frequency:6185MHz Ant:Chain1

Mode:802.11ax HE160 Tone:26T Frequency:6345MHz Ant:Chain1

Transmitter Power Spectral Density

Offset 11dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Tones	5955MHz		6175MHz		6415MHz	
			Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)
802.11a	Chain0	NA	0	-7.465	---	-8.180	---	-9.784
802.11a	Chain1	NA	---	-7.390	---	-8.207	---	-9.790
802.11ax HE20	Chain0	26T	---	-7.284	---	-5.183	---	-6.777
802.11ax HE20	Chain1	26T	---	-7.307	---	-11.098	---	-12.550
802.11ax HE20	MIMO	26T	---	-4.285	---	-11.069	---	-12.549
802.11ax HE20	Chain0	52T	---	-10.226	---	-8.073	---	-9.539
802.11ax HE20	Chain1	52T	---	-10.258	---	-14.119	---	-15.917
802.11ax HE20	MIMO	52T	---	-7.232	---	-14.095	---	-15.893
802.11ax HE20	Chain0	106T	---	-13.549	---	-11.097	---	-12.895
802.11ax HE20	Chain1	106T	---	-13.549	---	-17.628	---	-19.275
802.11ax HE20	MIMO	106T	---	-10.539	---	-17.646	---	-19.345
802.11ax HE20	Chain0	242T	---	-16.760	---	-14.627	---	-16.300
802.11ax HE20	Chain1	242T	---	-16.768	---	-20.798	---	-22.510
802.11ax HE20	MIMO	242T	---	-13.754	---	-20.754	---	-22.496

Test Mode	Antenna	Tones	5965MHz		6165MHz		6405MHz	
			Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)
802.11ax HE40	Chain0	26T	---	-8.833	---	-8.137	---	-10.031
802.11ax HE40	Chain1	26T	---	-8.850	---	-8.156	---	-10.033
802.11ax HE40	MIMO	26T	---	-5.831	---	-5.136	---	-7.022
802.11ax HE40	Chain0	52T	---	-11.593	---	-10.900	---	-12.696
802.11ax HE40	Chain1	52T	---	-11.549	---	-10.837	---	-12.776
802.11ax HE40	MIMO	52T	---	-8.561	---	-7.858	---	-9.726
802.11ax HE40	Chain0	106T	---	-14.905	---	-14.171	---	-16.066
802.11ax HE40	Chain1	106T	---	-14.866	---	-14.139	---	-16.102
802.11ax HE40	MIMO	106T	---	-11.875	---	-11.145	---	-13.074
802.11ax HE40	Chain0	242T	---	-18.417	---	-17.833	---	-19.760
802.11ax HE40	Chain1	242T	---	-18.423	---	-17.826	---	-19.773
802.11ax HE40	MIMO	242T	---	-15.410	---	-14.819	---	-16.756
802.11ax HE40	Chain0	484T	---	-21.100	---	-20.604	---	-22.661
802.11ax HE40	Chain1	484T	---	-21.120	---	-20.614	---	-22.672
802.11ax HE40	MIMO	484T	---	-18.100	---	-17.599	---	-19.656

Test Mode	Antenna	Tones	5985MHz		6145MHz		6385MHz	
			Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)
802.11ax HE80	Chain0	26T	---	-8.671	---	-8.413	---	-9.609
802.11ax HE80	Chain1	26T	---	-8.787	---	-8.373	---	-9.612
802.11ax HE80	MIMO	26T	---	-5.718	---	-5.383	---	-6.600
802.11ax HE80	Chain0	52T	---	-11.601	---	-11.309	---	-12.479
802.11ax HE80	Chain1	52T	---	-11.655	---	-11.289	---	-12.486
802.11ax HE80	MIMO	52T	---	-8.618	---	-8.289	---	-9.472
802.11ax HE80	Chain0	106T	---	-14.901	---	-14.579	---	-15.926
802.11ax HE80	Chain1	106T	---	-14.945	---	-14.594	---	-15.946
802.11ax HE80	MIMO	106T	---	-11.913	---	-11.576	---	-12.926
802.11ax HE80	Chain0	242T	---	-18.361	---	-18.131	---	-19.516
802.11ax HE80	Chain1	242T	---	-18.376	---	-18.167	---	-19.522
802.11ax HE80	MIMO	242T	---	-15.358	---	-15.139	---	-16.509
802.11ax HE80	Chain0	484T	---	-21.423	---	-21.076	---	-22.492
802.11ax HE80	Chain1	484T	---	-21.385	---	-20.967	---	-22.451
802.11ax HE80	MIMO	484T	---	-18.394	---	-18.011	---	-19.461
802.11ax HE80	Chain0	996T	---	-27.451	---	-27.213	---	-28.404
802.11ax HE80	Chain1	996T	---	-27.043	---	-27.161	---	-28.545
802.11ax HE80	MIMO	996T	---	-24.232	---	-24.177	---	-25.464

Test Mode	Antenna	Tones	6025MHz		6185MHz		6345MHz	
			Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)
802.11ax HE160	Chain0	26T	---	-9.404	---	-8.413	---	-9.609
802.11ax HE160	Chain1	26T	---	-9.390	---	-8.373	---	-9.612
802.11ax HE160	MIMO	26T	---	-6.387	---	-5.383	---	-6.600
802.11ax HE160	Chain0	52T	---	-12.344	---	-11.309	---	-12.479
802.11ax HE160	Chain1	52T	---	-12.203	---	-11.289	---	-12.486
802.11ax HE160	MIMO	52T	---	-9.263	---	-8.289	---	-9.472
802.11ax HE160	Chain0	106T	---	-15.374	---	-14.579	---	-15.926
802.11ax HE160	Chain1	106T	---	-15.455	---	-14.594	---	-15.946
802.11ax HE160	MIMO	106T	---	-12.404	---	-11.576	---	-12.926
802.11ax HE160	Chain0	242T	---	-18.721	---	-18.131	---	-19.516
802.11ax HE160	Chain1	242T	---	-18.785	---	-18.167	---	-19.522
802.11ax HE160	MIMO	242T	---	-15.743	---	-15.139	---	-16.509
802.11ax HE160	Chain0	484T	---	-21.854	---	-21.076	---	-22.492
802.11ax HE160	Chain1	484T	---	-21.893	---	-20.967	---	-22.451
802.11ax HE160	MIMO	484T	---	-18.863	---	-18.011	---	-19.461
802.11ax HE160	Chain0	996T	---	-25.047	---	-27.213	---	-28.404
802.11ax HE160	Chain1	996T	---	-25.031	---	-27.161	---	-28.545
802.11ax HE160	MIMO	996T	---	-22.029	---	-24.177	---	-25.464
802.11ax HE160	Chain0	1992T	---	-27.562	---	-6.120	---	-28.014
802.11ax HE160	Chain1	1992T	---	-27.505	---	-25.961	---	-27.989
802.11ax HE160	MIMO	1992T	---	-24.523	---	-22.946	---	-24.991

EIRP

Test Mode	Antenna	Tones	5955MHz		6175MHz		6415MHz	
			Gain (dBi)	EIRP (dBm/ 1MHz)	Gain (dBi)	EIRP (dBm/ 1MHz)	Gain (dBi)	EIRP (dBm/ 1MHz)
802.11a	Chain0	NA	6.12	-1.345	6.12	-1.632	6.12	-3.374
802.11a	Chain1	NA	6.12	-1.270	6.12	6.125	6.12	-3.358
802.11ax HE20	Chain0	26T	6.12	-1.164	6.12	-2.057	6.12	-4.045
802.11ax HE20	Chain1	26T	6.12	-1.187	6.12	-2.027	6.12	-3.977
802.11ax HE20	MIMO	26T	6.12	1.835	6.12	0.968	6.12	-1.001
802.11ax HE20	Chain0	52T	6.12	-4.106	6.12	-5.102	6.12	-7.075
802.11ax HE20	Chain1	52T	6.12	-4.138	6.12	-5.129	6.12	-7.055
802.11ax HE20	MIMO	52T	6.12	-1.112	6.12	-2.105	6.12	-4.055
802.11ax HE20	Chain0	106T	6.12	-7.429	6.12	-8.259	6.12	-10.281
802.11ax HE20	Chain1	106T	6.12	-7.429	6.12	-8.258	6.12	-10.289
802.11ax HE20	MIMO	106T	6.12	-4.419	6.12	-5.248	6.12	-7.275
802.11ax HE20	Chain0	242T	6.12	-10.640	6.12	-11.601	6.12	-13.674
802.11ax HE20	Chain1	242T	6.12	-10.648	6.12	-11.569	6.12	-13.739
802.11ax HE20	MIMO	242T	6.12	-7.634	6.12	-8.575	6.12	-10.696

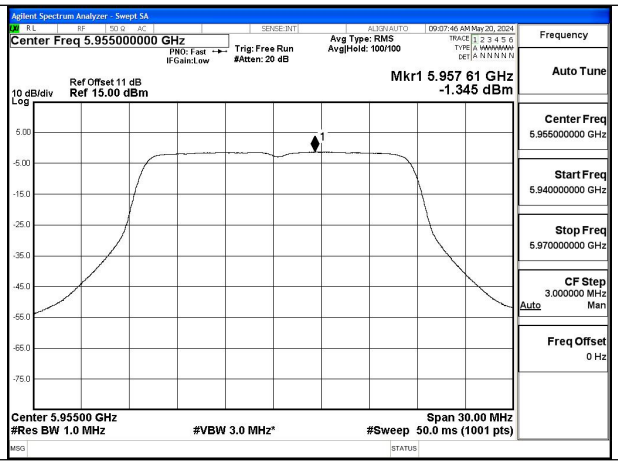
Test Mode	Antenna	Tones	5965MHz		6165MHz		6405MHz	
			Gain (dBi)	EIRP (dBm/ 1MHz)	Gain (dBi)	EIRP (dBm/ 1MHz)	Gain (dBi)	EIRP (dBm/ 1MHz)
802.11ax HE40	Chain0	26T	6.12	-2.713	6.12	-2.017	6.12	-3.911
802.11ax HE40	Chain1	26T	6.12	-2.730	6.12	-2.036	6.12	-3.913
802.11ax HE40	MIMO	26T	6.12	0.289	6.12	0.984	6.12	-0.902
802.11ax HE40	Chain0	52T	6.12	-5.473	6.12	-4.780	6.12	-6.576
802.11ax HE40	Chain1	52T	6.12	-5.429	6.12	-4.717	6.12	-6.656
802.11ax HE40	MIMO	52T	6.12	-2.441	6.12	-1.738	6.12	-3.606
802.11ax HE40	Chain0	106T	6.12	-8.785	6.12	-8.051	6.12	-9.946
802.11ax HE40	Chain1	106T	6.12	-8.746	6.12	-8.019	6.12	-9.982
802.11ax HE40	MIMO	106T	6.12	-5.755	6.12	-5.025	6.12	-6.954
802.11ax HE40	Chain0	242T	6.12	-12.297	6.12	-11.713	6.12	-13.640
802.11ax HE40	Chain1	242T	6.12	-12.303	6.12	-11.706	6.12	-13.653
802.11ax HE40	MIMO	242T	6.12	-9.290	6.12	-8.699	6.12	-10.636
802.11ax HE40	Chain0	484T	6.12	-14.980	6.12	-14.484	6.12	-16.541
802.11ax HE40	Chain1	484T	6.12	-15.000	6.12	-14.494	6.12	-16.552
802.11ax HE40	MIMO	484T	6.12	-11.980	6.12	-11.479	6.12	-13.536

Test Mode	Antenna	Tones	5985MHz		6145MHz		6385MHz	
			Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)
802.11ax HE80	Chain0	26T	6.12	-2.551	6.12	-2.293	6.12	-3.489
802.11ax HE80	Chain1	26T	6.12	-2.667	6.12	-2.253	6.12	-3.492
802.11ax HE80	MIMO	26T	6.12	0.402	6.12	0.737	6.12	-0.480
802.11ax HE80	Chain0	52T	6.12	-5.481	6.12	-5.189	6.12	-6.359
802.11ax HE80	Chain1	52T	6.12	-5.535	6.12	-5.169	6.12	-6.366
802.11ax HE80	MIMO	52T	6.12	-2.498	6.12	-2.169	6.12	-3.352
802.11ax HE80	Chain0	106T	6.12	-8.781	6.12	-8.459	6.12	-9.806
802.11ax HE80	Chain1	106T	6.12	-8.825	6.12	-8.474	6.12	-9.826
802.11ax HE80	MIMO	106T	6.12	-5.793	6.12	-5.456	6.12	-6.806
802.11ax HE80	Chain0	242T	6.12	-12.241	6.12	-12.011	6.12	-13.396
802.11ax HE80	Chain1	242T	6.12	-12.256	6.12	-12.047	6.12	-13.402
802.11ax HE80	MIMO	242T	6.12	-9.238	6.12	-9.019	6.12	-10.389
802.11ax HE80	Chain0	484T	6.12	-15.303	6.12	-14.956	6.12	-16.372
802.11ax HE80	Chain1	484T	6.12	-15.265	6.12	-14.847	6.12	-16.331
802.11ax HE80	MIMO	484T	6.12	-12.274	6.12	-11.891	6.12	-13.341
802.11ax HE80	Chain0	996T	6.12	-21.331	6.12	-21.093	6.12	-22.284
802.11ax HE80	Chain1	996T	6.12	-20.923	6.12	-21.041	6.12	-22.425
802.11ax HE80	MIMO	996T	6.12	-18.112	6.12	-18.057	6.12	-19.344

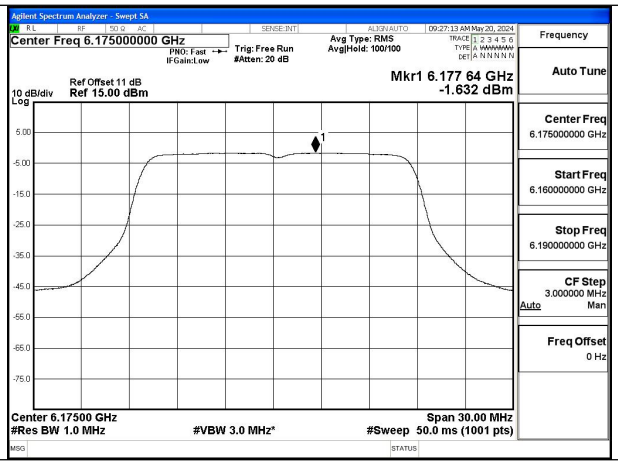
Test Mode	Antenna	Tones	6025MHz		6185MHz		6345MHz	
			Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)	Correction Factor (dB)	Power Density (dBm/ 1MHz)
802.11ax HE160	Chain0	26T	6.12	-3.284	6.12	-2.060	6.12	-3.664
802.11ax HE160	Chain1	26T	6.12	-3.270	6.12	-2.087	6.12	-3.670
802.11ax HE160	MIMO	26T	6.12	-0.267	6.12	0.937	6.12	-0.657
802.11ax HE160	Chain0	52T	6.12	-6.224	6.12	-4.978	6.12	-6.430
802.11ax HE160	Chain1	52T	6.12	-6.083	6.12	-4.949	6.12	-6.429
802.11ax HE160	MIMO	52T	6.12	-3.143	6.12	-1.953	6.12	-3.419
802.11ax HE160	Chain0	106T	6.12	-9.254	6.12	-7.999	6.12	-9.797
802.11ax HE160	Chain1	106T	6.12	-9.335	6.12	-7.975	6.12	-9.773
802.11ax HE160	MIMO	106T	6.12	-6.284	6.12	-4.977	6.12	-6.775
802.11ax HE160	Chain0	242T	6.12	-12.601	6.12	-11.508	6.12	-13.155
802.11ax HE160	Chain1	242T	6.12	-12.665	6.12	-11.526	6.12	-13.225
802.11ax HE160	MIMO	242T	6.12	-9.623	6.12	-8.507	6.12	-10.180
802.11ax HE160	Chain0	484T	6.12	-15.734	6.12	-14.678	6.12	-16.390
802.11ax HE160	Chain1	484T	6.12	-15.773	6.12	-14.634	6.12	-16.376
802.11ax HE160	MIMO	484T	6.12	-12.743	6.12	-11.646	6.12	-13.373
802.11ax HE160	Chain0	996T	6.12	-18.927	6.12	-17.622	6.12	-19.463
802.11ax HE160	Chain1	996T	6.12	-18.911	6.12	-17.670	6.12	-19.445
802.11ax HE160	MIMO	996T	6.12	-15.909	6.12	-14.636	6.12	-16.444
802.11ax HE160	Chain0	1992T	6.12	-21.442	6.12	-19.831	6.12	-21.894
802.11ax HE160	Chain1	1992T	6.12	-21.385	6.12	-19.841	6.12	-21.869
802.11ax HE160	MIMO	1992T	6.12	-18.403	6.12	-16.826	6.12	-18.871

NOTE：The following test data has been added to the gain

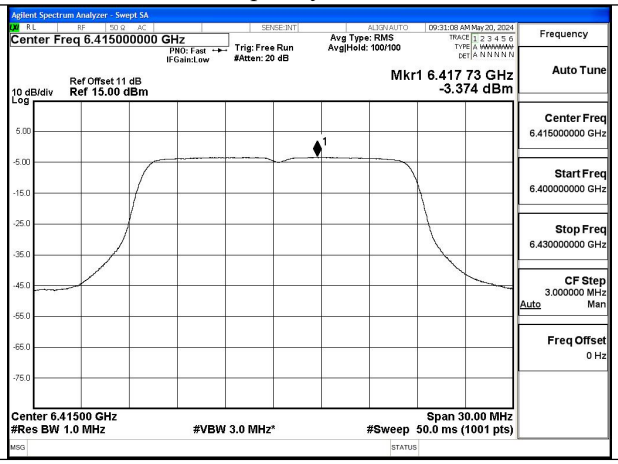
Test Mode: 802.11a



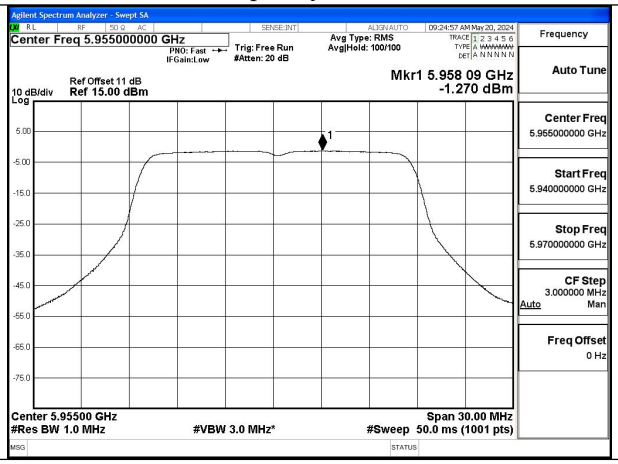
Mode:802.11a Frequency:5955MHz Ant:Chain0



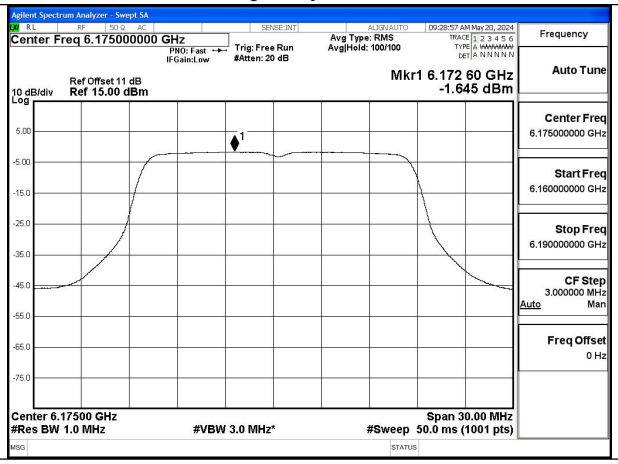
Mode:802.11a Frequency:6175MHz Ant:Chain0



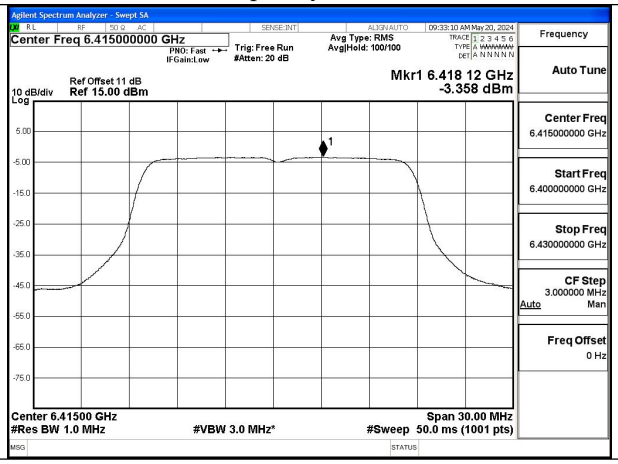
Mode:802.11a Frequency:6415MHz Ant:Chain0



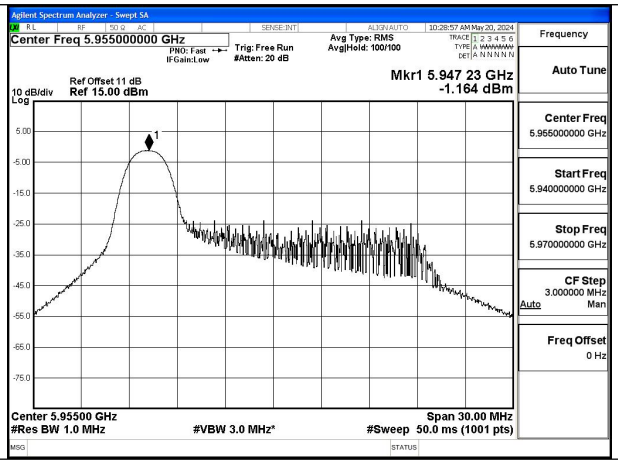
Mode:802.11a Frequency:5955MHz Ant:Chain1



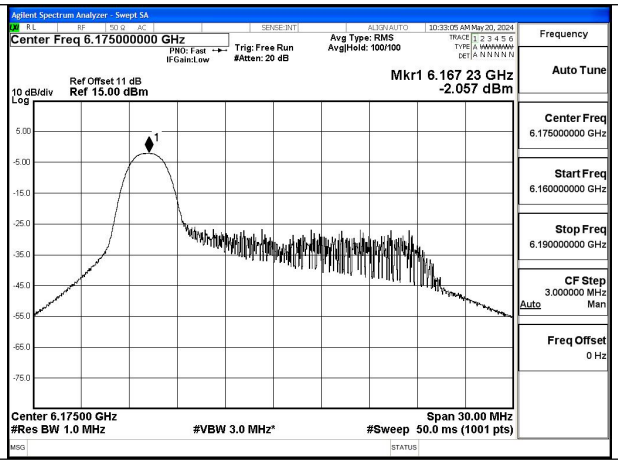
Mode:802.11a Frequency:6175MHz Ant:Chain1



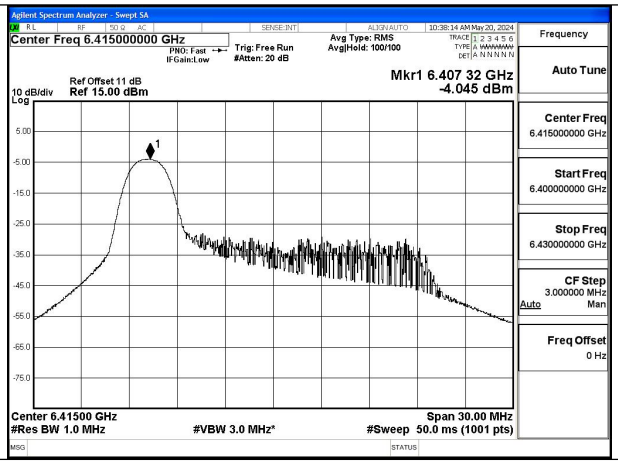
Mode:802.11a Frequency:6415MHz Ant:Chain1



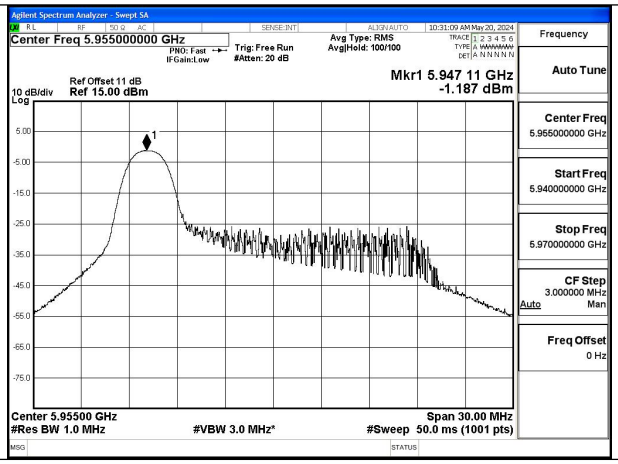
Mode:802.11ax HE20 Tone:26T Frequency:5955MHz
Ant:Chain0



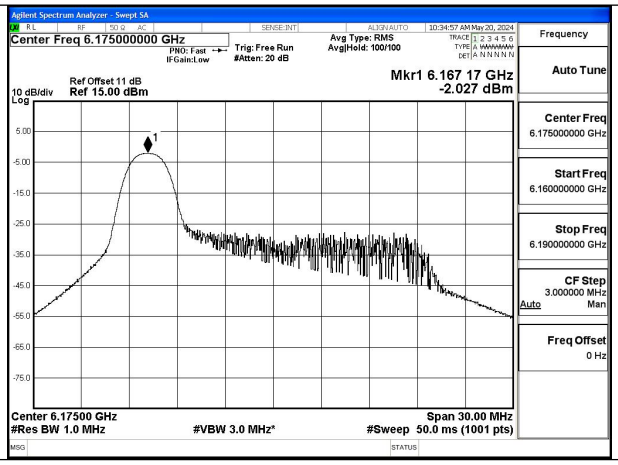
Mode:802.11ax HE20 Tone:26T Frequency:6175MHz
Ant:Chain0



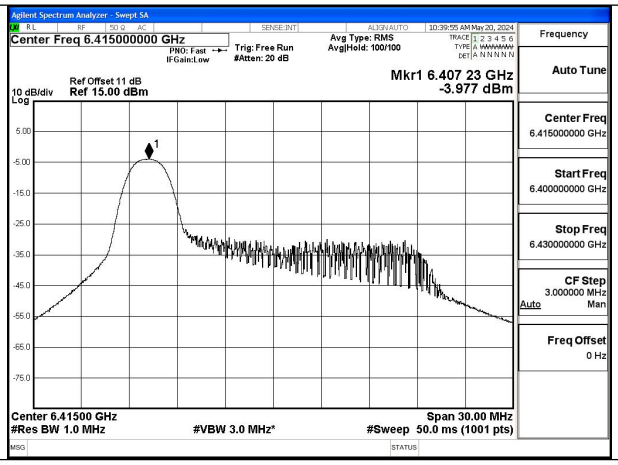
Mode:802.11ax HE20 Tone:26T Frequency:6415MHz
Ant:Chain0



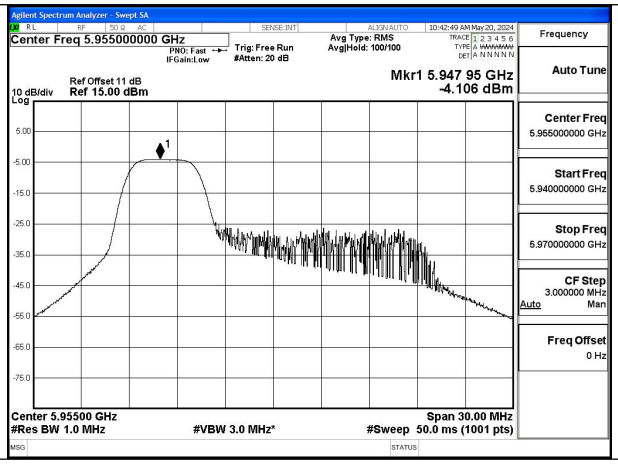
Mode:802.11ax HE20 Tone:26T Frequency:5955MHz
Ant:Chain1



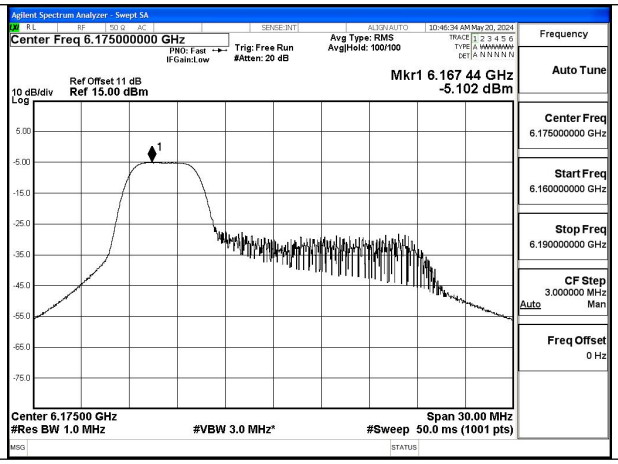
Mode:802.11ax HE20 Tone:26T Frequency:6175MHz
Ant:Chain1



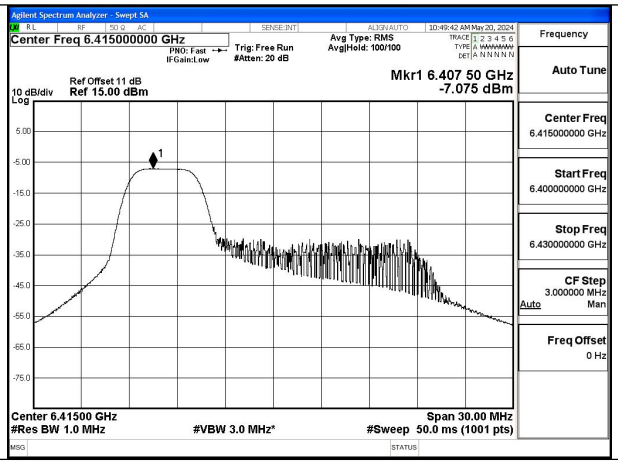
Mode:802.11ax HE20 Tone:26T Frequency:6415MHz
Ant:Chain1



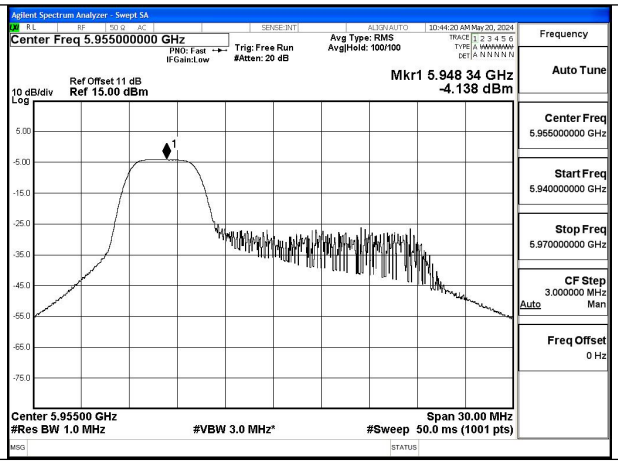
Mode:802.11ax HE20 Tone:52T Frequency:5955MHz
Ant:Chain0



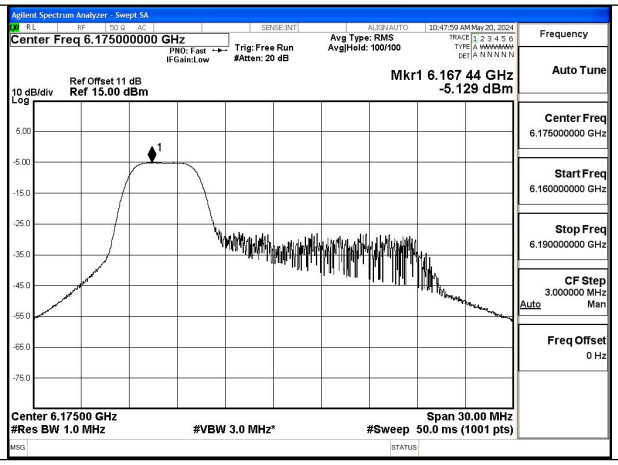
Mode:802.11ax HE20 Tone:52T Frequency:6175MHz
Ant:Chain0



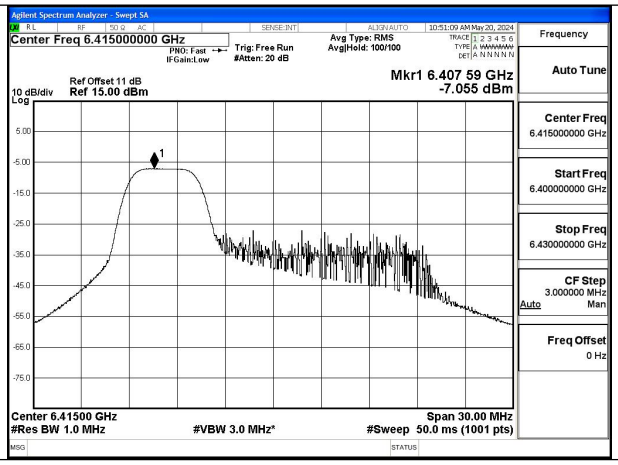
Mode:802.11ax HE20 Tone:52T Frequency:6415MHz
Ant:Chain0



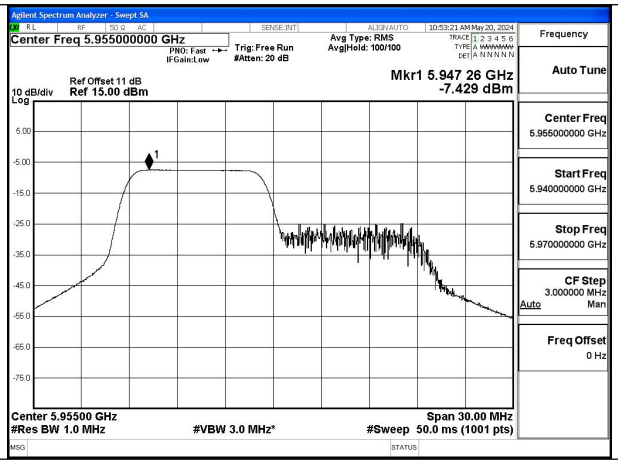
Mode:802.11ax HE20 Tone:52T Frequency:5955MHz
Ant:Chain1



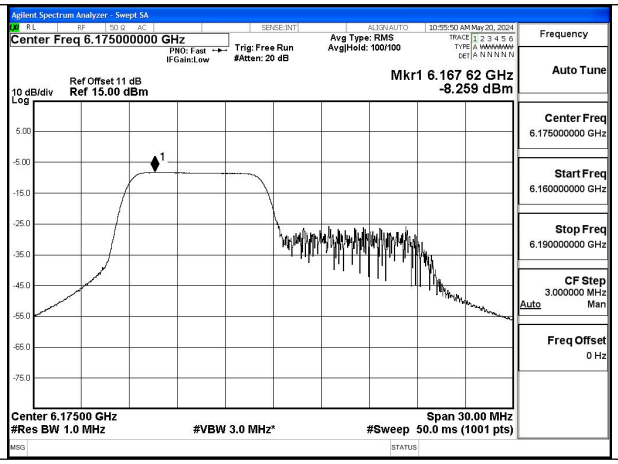
Mode:802.11ax HE20 Tone:52T Frequency:6175MHz
Ant:Chain1



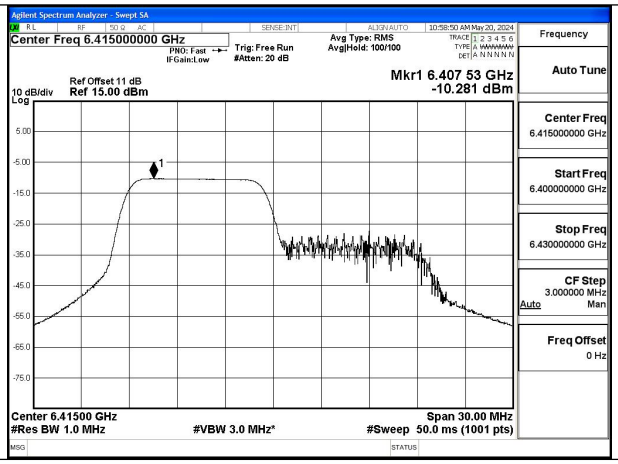
Mode:802.11ax HE20 Tone:52T Frequency:6415MHz
Ant:Chain1



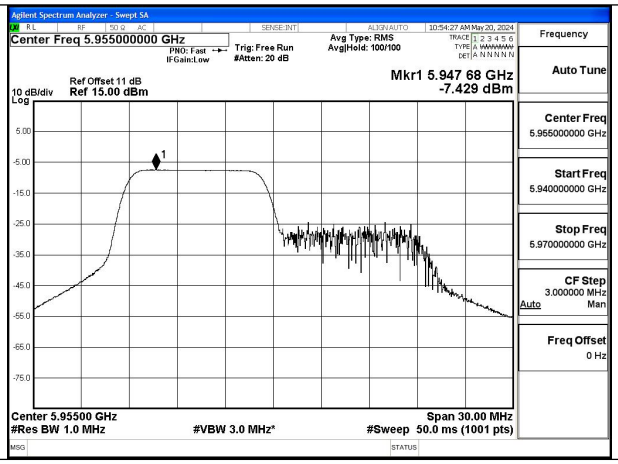
Mode:802.11ax HE20 Tone:106T Frequency:5955MHz Ant:Chain0



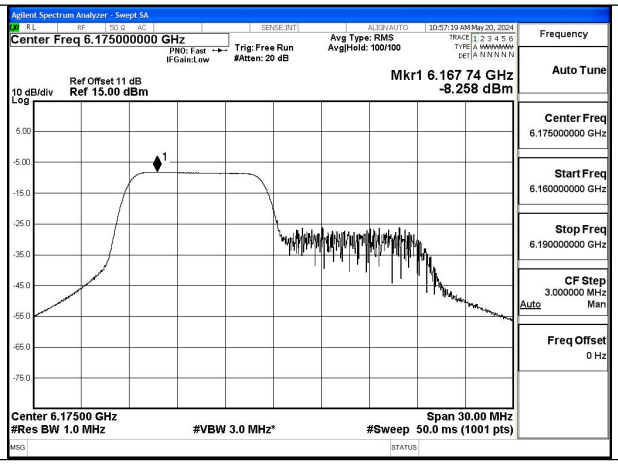
Mode:802.11ax HE20 Tone:106T Frequency:6175MHz Ant:Chain0



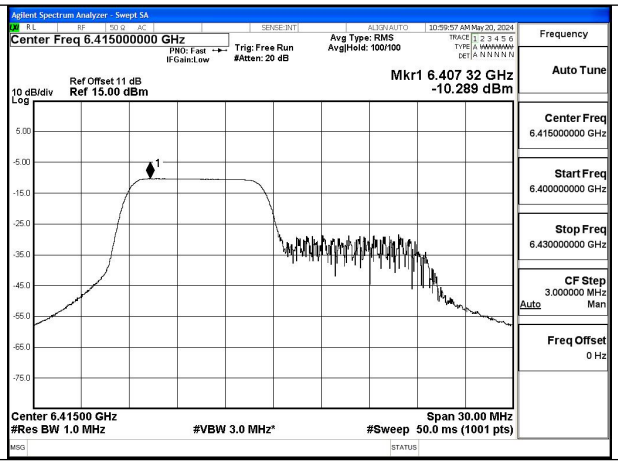
Mode:802.11ax HE20 Tone:106T Frequency:6415MHz Ant:Chain0



Mode:802.11ax HE20 Tone:106T Frequency:5955MHz Ant:Chain1



Mode:802.11ax HE20 Tone:106T Frequency:6175MHz Ant:Chain1



Mode:802.11ax HE20 Tone:106T Frequency:6415MHz Ant:Chain1