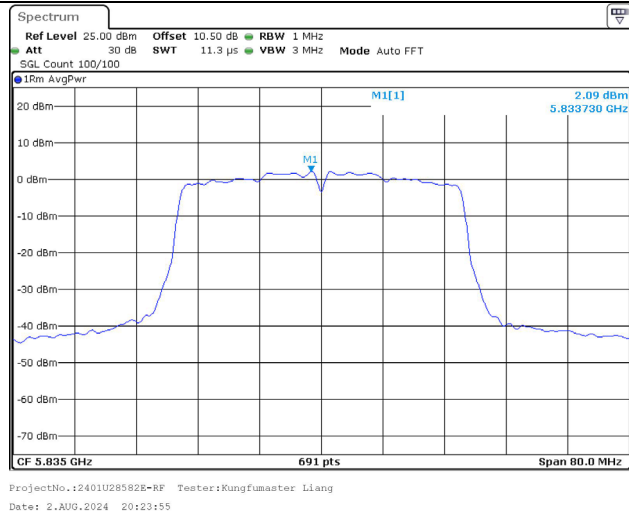
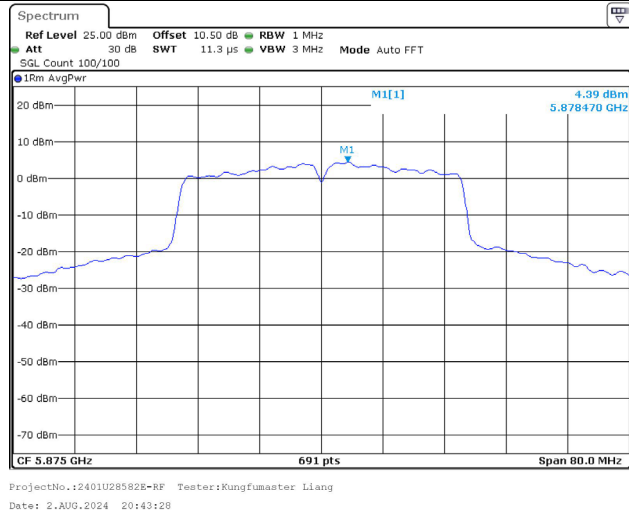
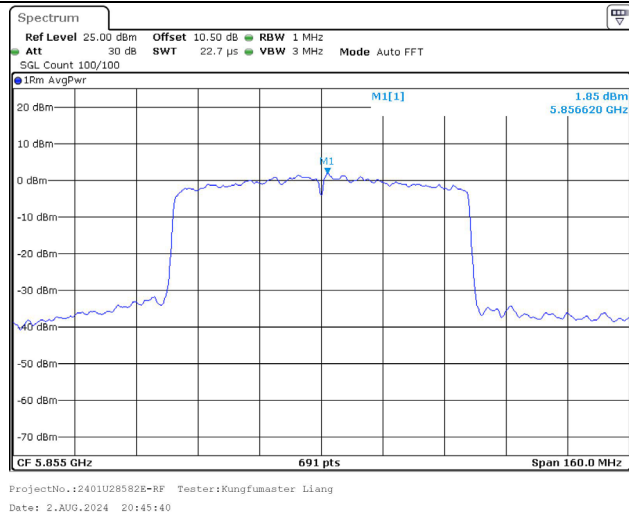
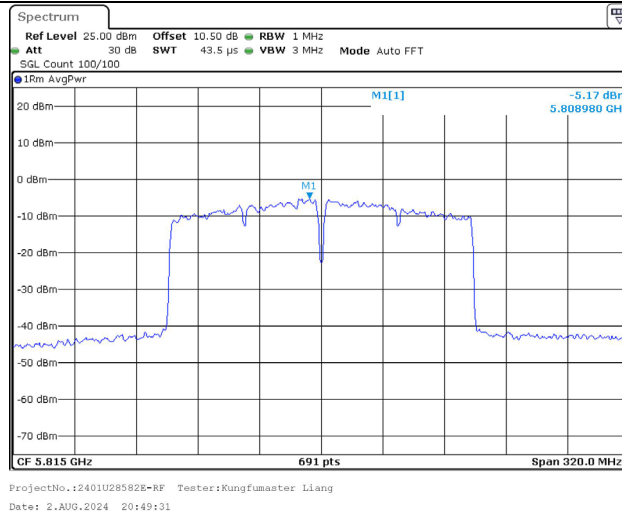


Maximum power spectral density

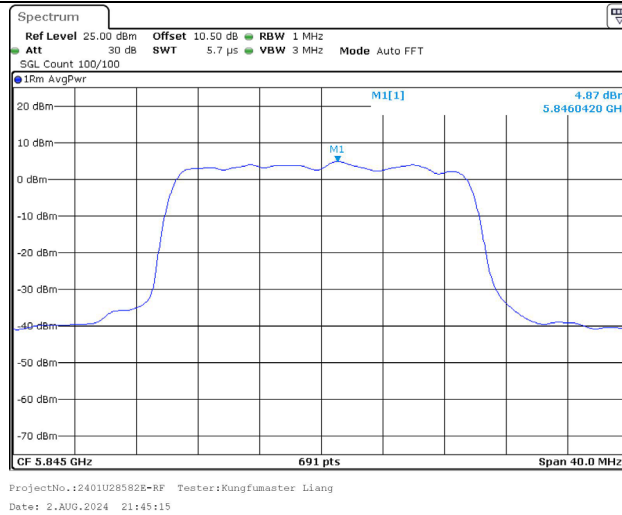
802.11ac-VHT40
Lowest Channel802.11ac-VHT40
Highest Channel802.11ac-VHT80
Middle Channel

Maximum power spectral density

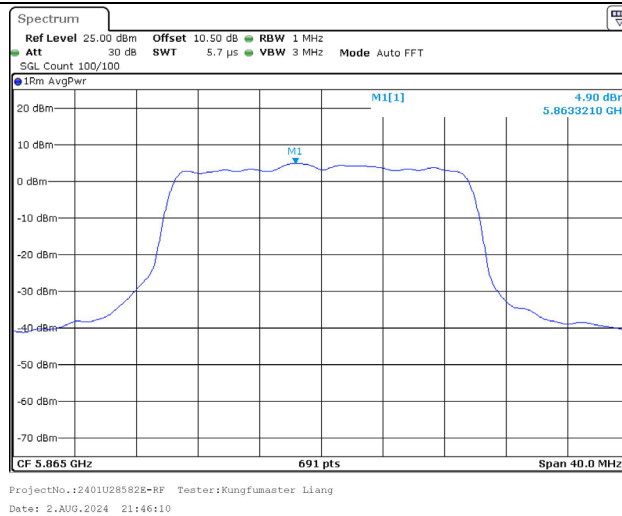
802.11ac-VHT160
Middle Channel

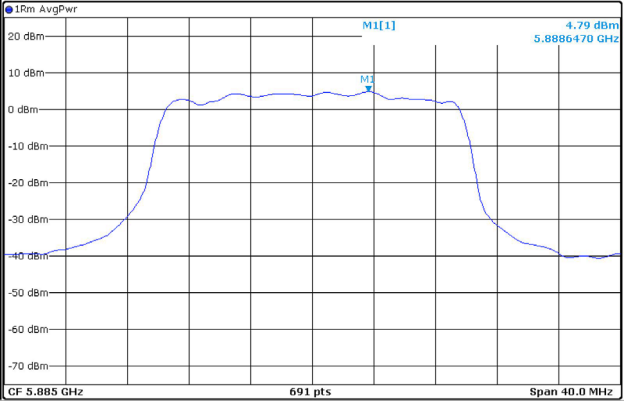
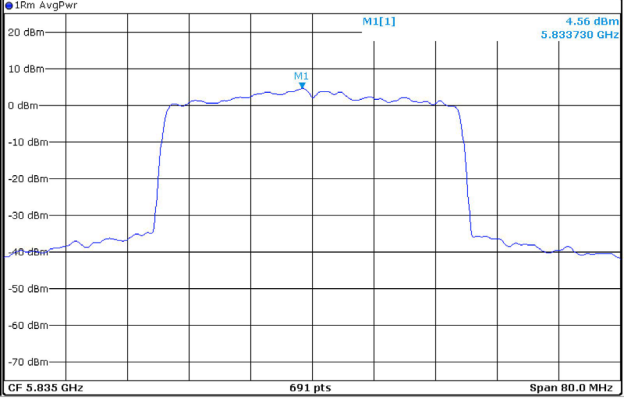
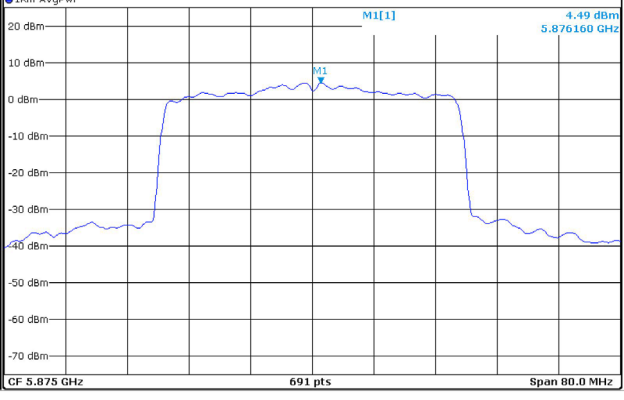


802.11ax-HE20
Lowest Channel



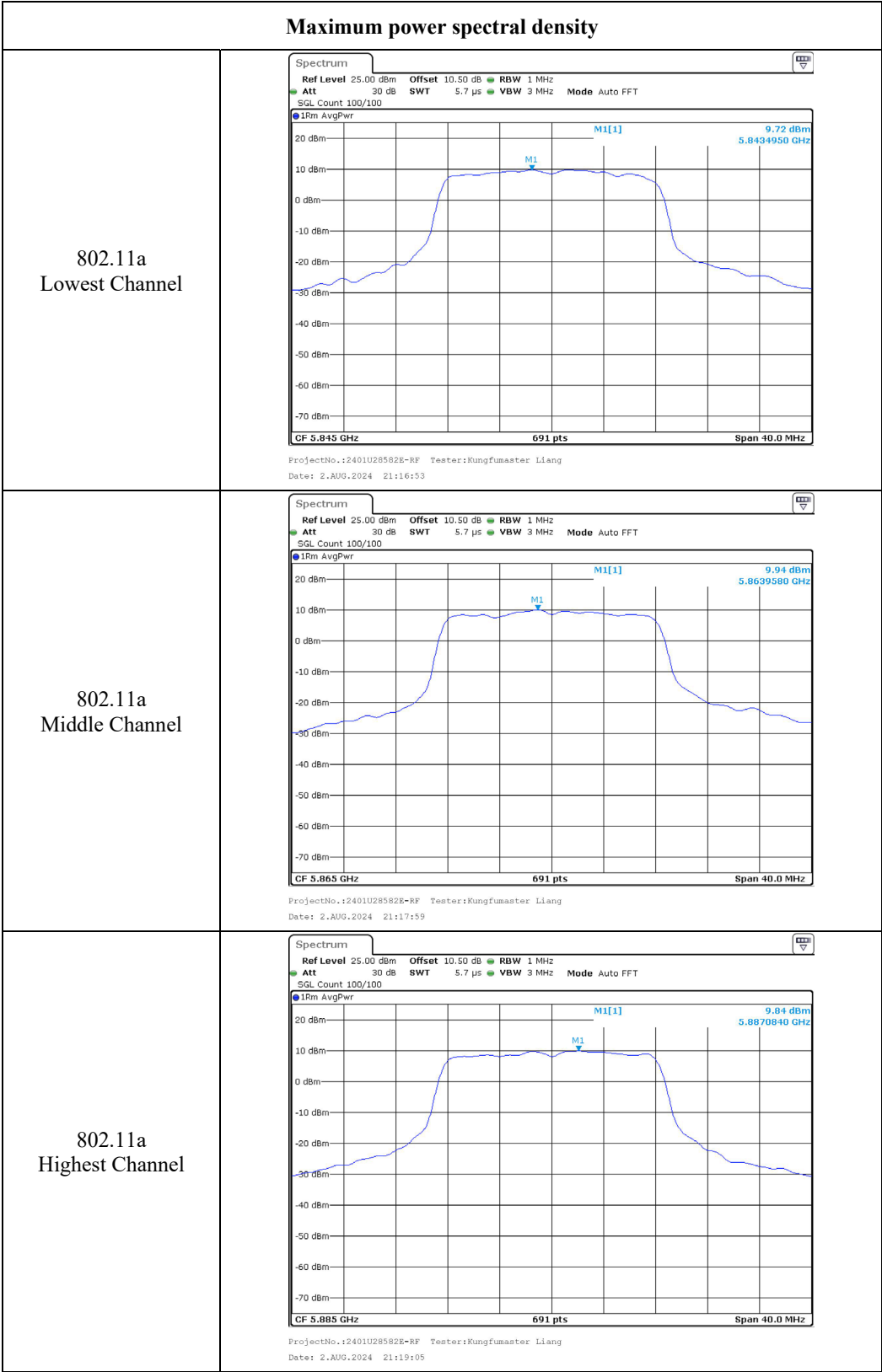
802.11ax-HE20
Middle Channel



Maximum power spectral density	
802.11ax-HE20 Highest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 5.7 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>4.79 dBm</div><div>5.8886470 GHz</div></div><div>CF 5.885 GHz691 ptsSpan 40.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:46:55</div></div>
802.11ax-HE40 Lowest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 11.3 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>4.56 dBm</div><div>5.833730 GHz</div></div><div>CF 5.835 GHz691 ptsSpan 80.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:48:32</div></div>
802.11ax-HE40 Highest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 11.3 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>4.49 dBm</div><div>5.876160 GHz</div></div><div>CF 5.875 GHz691 ptsSpan 80.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:49:22</div></div>

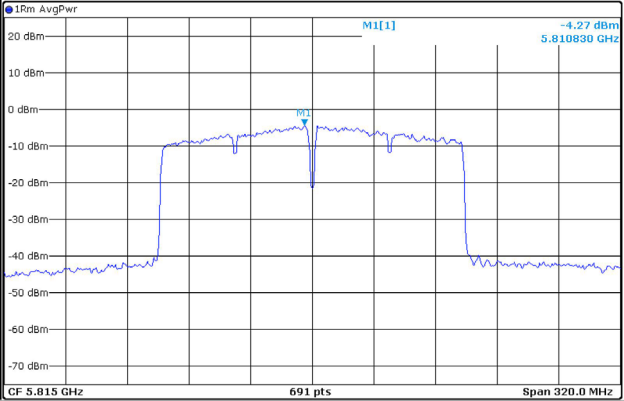
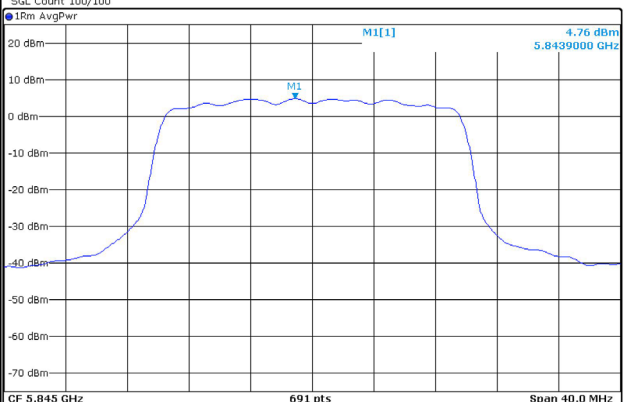
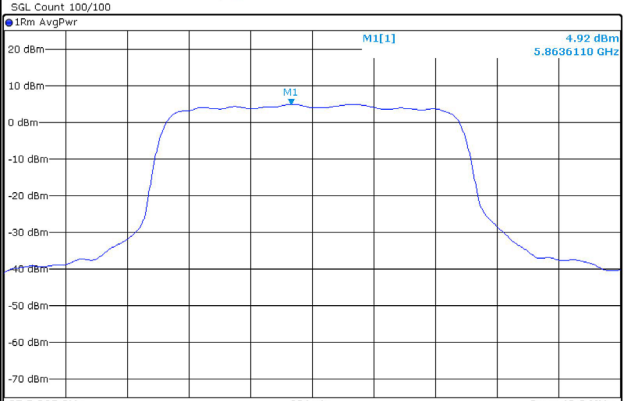
Maximum power spectral density	
802.11ax-HE80 Middle Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Att 30 dB</div><div>Offset 10.50 dB</div><div>SWT 22.7 μs</div><div>RBW 1 MHz</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>2.39 dBm</div><div>5.851760 GHz</div></div><div><div>M1</div></div><div><div>CF 5.855 GHz</div><div>691 pts</div><div>Span 160.0 MHz</div></div></div><div><div>ProjectNo.:2401U28582E-RF</div><div>Tester:Kungfumaster Liang</div><div>Date: 2.AUG.2024 21:50:19</div></div></div>
802.11ax-HE160 Middle Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Att 30 dB</div><div>Offset 10.50 dB</div><div>SWT 43.5 μs</div><div>RBW 1 MHz</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>-5.51 dBm</div><div>5.817780 GHz</div></div><div><div>M1</div></div><div><div>CF 5.815 GHz</div><div>691 pts</div><div>Span 320.0 MHz</div></div></div><div><div>ProjectNo.:2401U28582E-RF</div><div>Tester:Kungfumaster Liang</div><div>Date: 2.AUG.2024 21:51:43</div></div></div>

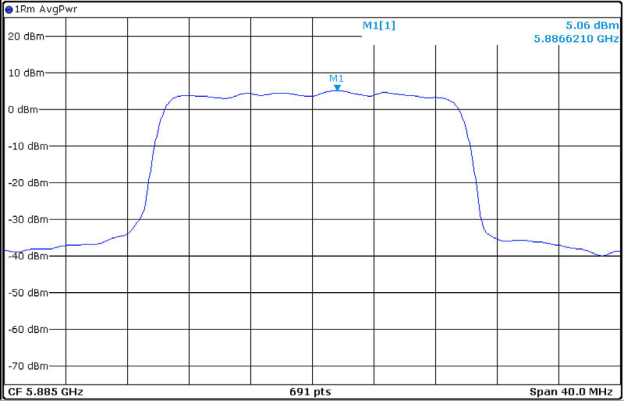
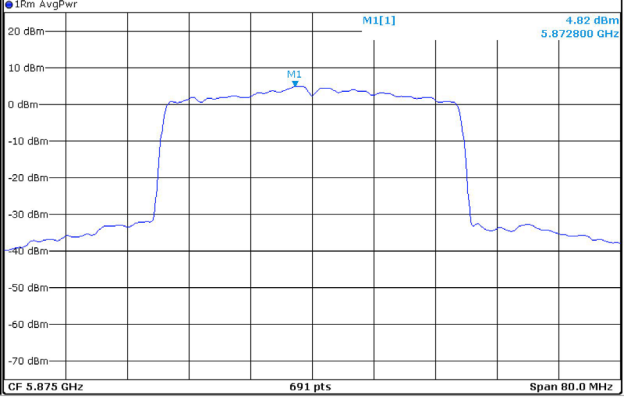
ANT2

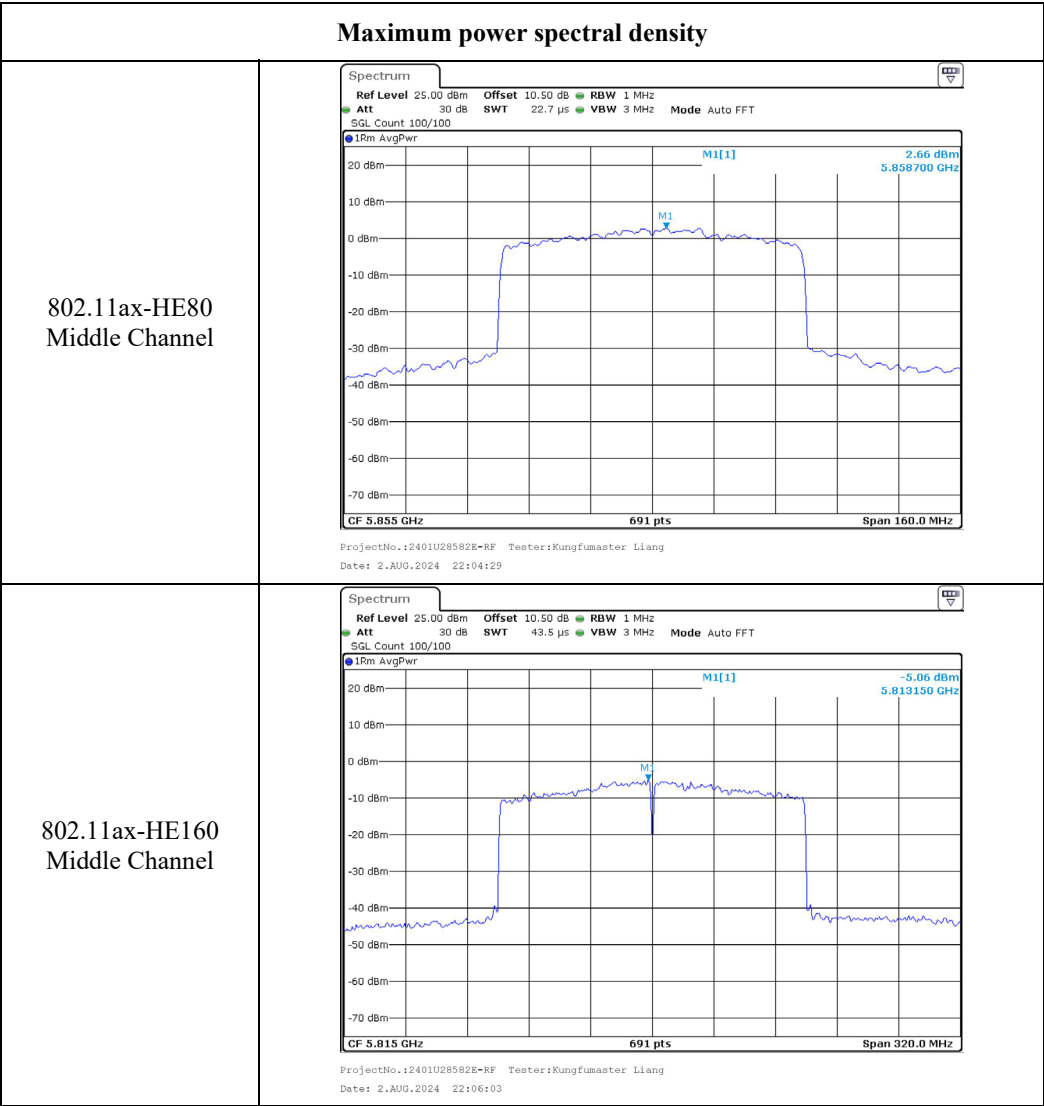


<p>802.11ac-VHT20 Lowest Channel</p>	<p>Maximum power spectral density</p> <div><p>Spectrum</p><p>Ref Level 25.00 dBm Offset 10.50 dB RBW 1 MHz Att 30 dB SWT 5.7 μs VBW 3 MHz Mode Auto FFT SGL Count 100/100</p><p>1Rm AvgPwr</p><p>CF 5.845 GHz 691 pts Span 40.0 MHz</p><p>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:02:28</p></div>
<p>802.11ac-VHT20 Middle Channel</p>	<div><p>Spectrum</p><p>Ref Level 25.00 dBm Offset 10.50 dB RBW 1 MHz Att 30 dB SWT 5.7 μs VBW 3 MHz Mode Auto FFT SGL Count 100/100</p><p>1Rm AvgPwr</p><p>CF 5.865 GHz 691 pts Span 40.0 MHz</p><p>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:03:23</p></div>
<p>802.11ac-VHT20 Highest Channel</p>	<div><p>Spectrum</p><p>Ref Level 25.00 dBm Offset 10.50 dB RBW 1 MHz Att 30 dB SWT 5.7 μs VBW 3 MHz Mode Auto FFT SGL Count 100/100</p><p>1Rm AvgPwr</p><p>CF 5.885 GHz 691 pts Span 40.0 MHz</p><p>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:04:17</p></div>

Maximum power spectral density	
802.11ac-VHT40 Lowest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 11.3 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>20 dBm</div><div>10 dBm</div><div>0 dBm</div><div>-10 dBm</div><div>-20 dBm</div><div>-30 dBm</div><div>-40 dBm</div><div>-50 dBm</div><div>-60 dBm</div><div>-70 dBm</div></div><div><div>M1[1]</div><div>3.62 dBm</div><div>5.832920 GHz</div></div><div><div>CF 5.835 GHz</div><div>691 pts</div><div>Span 80.0 MHz</div></div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:05:40</div></div>
802.11ac-VHT40 Highest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 11.3 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>20 dBm</div><div>10 dBm</div><div>0 dBm</div><div>-10 dBm</div><div>-20 dBm</div><div>-30 dBm</div><div>-40 dBm</div><div>-50 dBm</div><div>-60 dBm</div><div>-70 dBm</div></div><div><div>M1[1]</div><div>4.49 dBm</div><div>5.870950 GHz</div></div><div><div>CF 5.875 GHz</div><div>691 pts</div><div>Span 80.0 MHz</div></div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:07:24</div></div>
802.11ac-VHT80 Middle Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 22.7 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>20 dBm</div><div>10 dBm</div><div>0 dBm</div><div>-10 dBm</div><div>-20 dBm</div><div>-30 dBm</div><div>-40 dBm</div><div>-50 dBm</div><div>-60 dBm</div><div>-70 dBm</div></div><div><div>M1[1]</div><div>2.57 dBm</div><div>5.852680 GHz</div></div><div><div>CF 5.855 GHz</div><div>691 pts</div><div>Span 160.0 MHz</div></div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 20:58:32</div></div>

Maximum power spectral density	
802.11ac-VHT160 Middle Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 43.5 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>-4.27 dBm</div><div>5.810830 GHz</div></div><div>CF 5.815 GHz691 ptsSpan 320.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:00:24</div></div>
802.11ax-HE20 Lowest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 5.7 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>4.76 dBm</div><div>5.8439000 GHz</div></div><div>CF 5.845 GHz691 ptsSpan 40.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:58:30</div></div>
802.11ax-HE20 Middle Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 5.7 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>4.92 dBm</div><div>5.8636110 GHz</div></div><div>CF 5.865 GHz691 ptsSpan 40.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 21:59:20</div></div>

Maximum power spectral density	
802.11ax-HE20 Highest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 5.7 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>5.06 dBm</div><div>5.8866210 GHz</div></div><div>CF 5.885 GHz691 ptsSpan 40.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 22:00:43</div></div>
802.11ax-HE40 Lowest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 11.3 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>5.01 dBm</div><div>5.896160 GHz</div></div><div>CF 5.835 GHz691 ptsSpan 80.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 22:02:16</div></div>
802.11ax-HE40 Highest Channel	<div><div>Spectrum</div><div><div>Ref Level 25.00 dBm</div><div>Offset 10.50 dB</div><div>RBW 1 MHz</div><div>Att 30 dB</div><div>SWT 11.3 μs</div><div>VBW 3 MHz</div><div>Mode Auto FFT</div><div>SGL Count 100/100</div></div><div><div>1Rm AvgPwr</div><div><div>M1[1]</div><div>4.82 dBm</div><div>5.872800 GHz</div></div><div>CF 5.875 GHz691 ptsSpan 80.0 MHz</div></div><div>ProjectNo.:2401U28582E-RF Tester:Kungfumaster Liang Date: 2.AUG.2024 22:02:56</div></div>



Note: The test data and plots of 5150-5250MHz, 5250-5350MHz, 5470-5725MHz and 5725-5850MHz please refer to the Appendix.

EUT PHOTOGRAPHS

Please refer to the attachment 2401U28582E-RF External photo and 2401U28582E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401U28582E-RFA Test Setup photo.

APPENDIX

Appendix A: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26dB EBW [MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	25.64	---	---
	Ant1	5180	25.16	---	---
	Ant2	5180	25.40	---	---
	Ant0	5200	27.04	---	---
	Ant1	5200	25.44	---	---
	Ant2	5200	25.40	---	---
	Ant0	5240	20.12	---	---
	Ant1	5240	20.12	---	---
	Ant2	5240	20.28	---	---
	Ant0	5260	20.68	---	---
	Ant1	5260	20.28	---	---
	Ant2	5260	20.32	---	---
	Ant0	5280	20.68	---	---
	Ant1	5280	20.56	---	---
	Ant2	5280	20.60	---	---
	Ant0	5320	26.08	---	---
	Ant1	5320	26.56	---	---
	Ant2	5320	25.88	---	---
	Ant0	5500	25.44	---	---
	Ant1	5500	24.00	---	---
	Ant2	5500	24.92	---	---
	Ant0	5580	20.64	---	---
	Ant1	5580	20.80	---	---
	Ant2	5580	20.68	---	---
	Ant0	5700	25.92	---	---
	Ant1	5700	25.08	---	---
	Ant2	5700	24.68	---	---
11AC20MIMO	Ant0	5180	26.76	---	---
	Ant1	5180	27.08	---	---
	Ant2	5180	26.56	---	---
	Ant0	5200	27.60	---	---
	Ant1	5200	27.16	---	---
	Ant2	5200	28.28	---	---
	Ant0	5240	20.60	---	---
	Ant1	5240	20.32	---	---
	Ant2	5240	20.40	---	---
	Ant0	5260	21.28	---	---
	Ant1	5260	21.12	---	---
	Ant2	5260	21.40	---	---
	Ant0	5280	21.40	---	---
	Ant1	5280	21.08	---	---
	Ant2	5280	21.04	---	---
	Ant0	5320	26.68	---	---
	Ant1	5320	28.32	---	---
	Ant2	5320	27.84	---	---
	Ant0	5500	26.76	---	---
	Ant1	5500	25.84	---	---
	Ant2	5500	26.56	---	---

	Ant0	5580	21.52	---	---
	Ant1	5580	20.96	---	---
	Ant2	5580	20.92	---	---
	Ant0	5700	25.12	---	---
	Ant1	5700	25.48	---	---
	Ant2	5700	26.16	---	---
11AC40MIMO	Ant0	5190	57.28	---	---
	Ant1	5190	57.04	---	---
	Ant2	5190	53.92	---	---
	Ant0	5230	41.20	---	---
	Ant1	5230	40.80	---	---
	Ant2	5230	40.64	---	---
	Ant0	5270	41.12	---	---
	Ant1	5270	40.64	---	---
	Ant2	5270	40.64	---	---
	Ant0	5310	54.72	---	---
	Ant1	5310	54.16	---	---
	Ant2	5310	53.60	---	---
	Ant0	5510	61.60	---	---
	Ant1	5510	51.60	---	---
	Ant2	5510	52.64	---	---
	Ant0	5550	41.20	---	---
	Ant1	5550	40.56	---	---
	Ant2	5550	40.80	---	---
	Ant0	5670	58.00	---	---
	Ant1	5670	56.00	---	---
	Ant2	5670	56.16	---	---
11AC80MIMO	Ant0	5210	112.48	---	---
	Ant1	5210	106.24	---	---
	Ant2	5210	103.20	---	---
	Ant0	5290	109.28	---	---
	Ant1	5290	112.32	---	---
	Ant2	5290	110.56	---	---
	Ant0	5530	112.32	---	---
	Ant1	5530	110.24	---	---
	Ant2	5530	107.20	---	---
	Ant0	5610	80.48	---	---
	Ant1	5610	80.16	---	---
	Ant2	5610	80.00	---	---
11AC160MIMO	Ant0	5250	173.76	---	---
	Ant1	5250	171.84	---	---
	Ant2	5250	170.56	---	---
	Ant0	5250_UNII-1	86.72	---	---
	Ant1	5250_UNII-1	85.12	---	---
	Ant2	5250_UNII-1	86.08	---	---
	Ant0	5250_UNII-2A	87.04	---	---
	Ant1	5250_UNII-2A	86.72	---	---
	Ant2	5250_UNII-2A	84.48	---	---
	Ant0	5570	172.48	---	---
	Ant1	5570	169.92	---	---
	Ant2	5570	172.48	---	---
11AX20MIMO	Ant0	5180	26.28	---	---
	Ant1	5180	29.48	---	---
	Ant2	5180	26.60	---	---
	Ant0	5200	29.16	---	---

	Ant1	5200	32.44	---	---
	Ant2	5200	29.00	---	---
	Ant0	5240	20.04	---	---
	Ant1	5240	20.00	---	---
	Ant2	5240	20.00	---	---
	Ant0	5260	21.80	---	---
	Ant1	5260	21.92	---	---
	Ant2	5260	21.60	---	---
	Ant0	5280	21.92	---	---
	Ant1	5280	22.12	---	---
	Ant2	5280	21.52	---	---
	Ant0	5320	25.36	---	---
	Ant1	5320	29.12	---	---
	Ant2	5320	28.84	---	---
	Ant0	5500	29.60	---	---
	Ant1	5500	27.60	---	---
	Ant2	5500	28.88	---	---
	Ant0	5580	22.20	---	---
	Ant1	5580	21.80	---	---
	Ant2	5580	21.88	---	---
	Ant0	5700	26.84	---	---
	Ant1	5700	25.48	---	---
	Ant2	5700	26.64	---	---
11AX40MIMO	Ant0	5190	52.72	---	---
	Ant1	5190	52.16	---	---
	Ant2	5190	50.08	---	---
	Ant0	5230	39.92	---	---
	Ant1	5230	39.84	---	---
	Ant2	5230	39.76	---	---
	Ant0	5270	39.84	---	---
	Ant1	5270	39.92	---	---
	Ant2	5270	39.84	---	---
	Ant0	5310	54.64	---	---
	Ant1	5310	47.36	---	---
	Ant2	5310	46.24	---	---
	Ant0	5510	51.76	---	---
	Ant1	5510	50.88	---	---
	Ant2	5510	49.28	---	---
	Ant0	5550	39.84	---	---
	Ant1	5550	39.76	---	---
	Ant2	5550	39.84	---	---
	Ant0	5670	52.48	---	---
	Ant1	5670	50.40	---	---
	Ant2	5670	53.52	---	---
11AX80MIMO	Ant0	5210	95.36	---	---
	Ant1	5210	91.52	---	---
	Ant2	5210	93.28	---	---
	Ant0	5290	95.20	---	---
	Ant1	5290	99.36	---	---
	Ant2	5290	97.12	---	---
	Ant0	5530	104.32	---	---
	Ant1	5530	98.56	---	---
	Ant2	5530	97.60	---	---
	Ant0	5610	80.64	---	---
	Ant1	5610	80.96	---	---
	Ant2	5610	80.64	---	---
11AX160MIMO	Ant0	5250	165.12	---	---
	Ant1	5250	169.28	---	---

	Ant2	5250	163.52	---	---
	Ant0	5250_UNII-1	82.56	---	---
	Ant1	5250_UNII-1	81.92	---	---
	Ant2	5250_UNII-1	81.28	---	---
	Ant0	5250_UNII-2A	82.56	---	---
	Ant1	5250_UNII-2A	87.36	---	---
	Ant2	5250_UNII-2A	82.24	---	---
	Ant0	5570	164.48	---	---
	Ant1	5570	164.48	---	---
	Ant2	5570	166.08	---	---

Test Graphs

