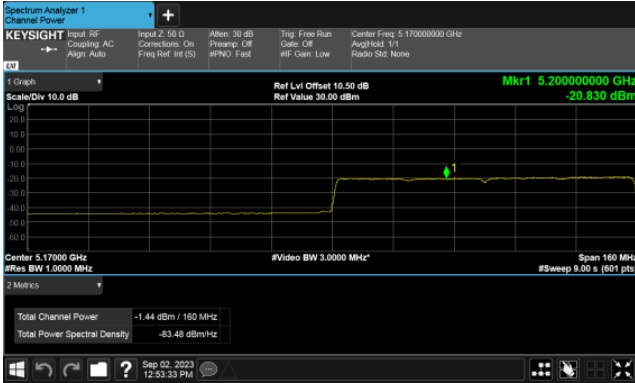
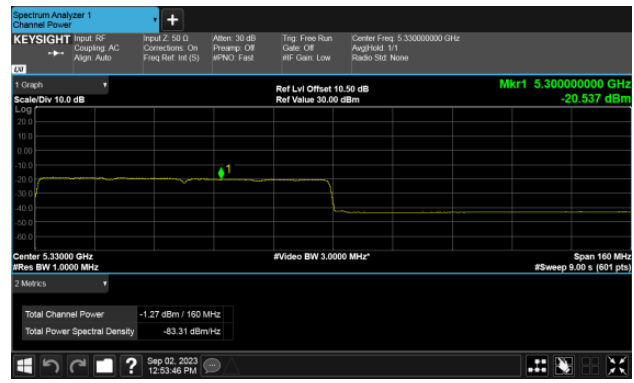




Within 5150-5250MHz band
Modulation Type: 802.11ax HE160 CH50
ANT A



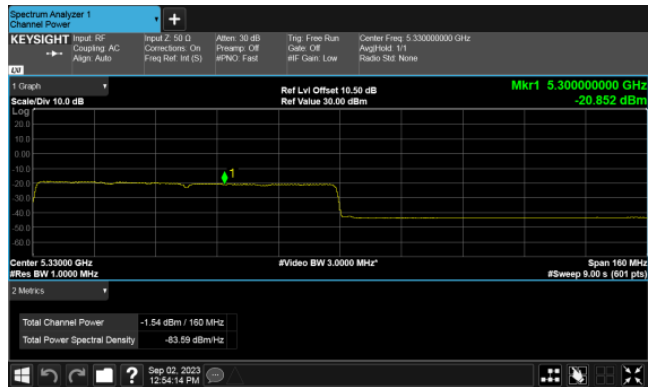
Extends across 5250MHz band
Modulation Type: 802.11ax HE160 CH50
ANT A



ANT B



ANT B





Within 5470-5725MHz Band, Straddle Channel
Modulation Type: 802.11a CH144
ANT A



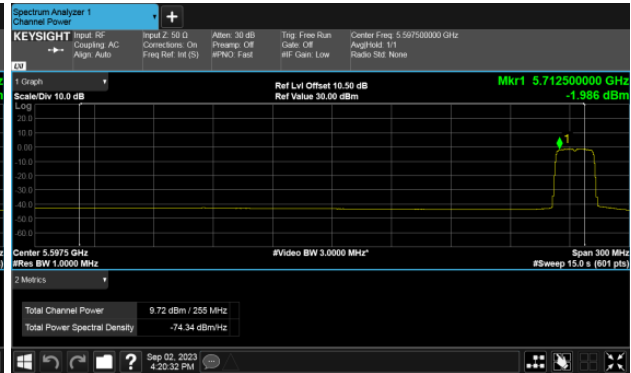
Modulation Type: 802.11ax HE20 CH144
ANT A



ANT B

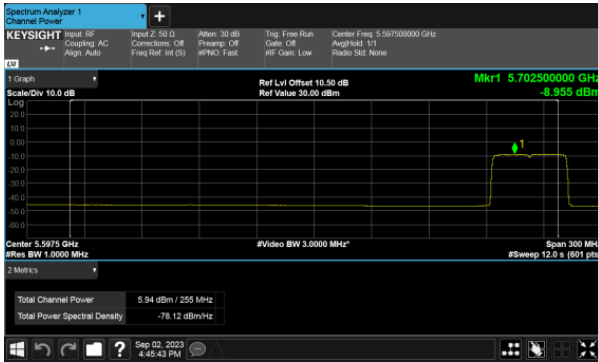


ANT B

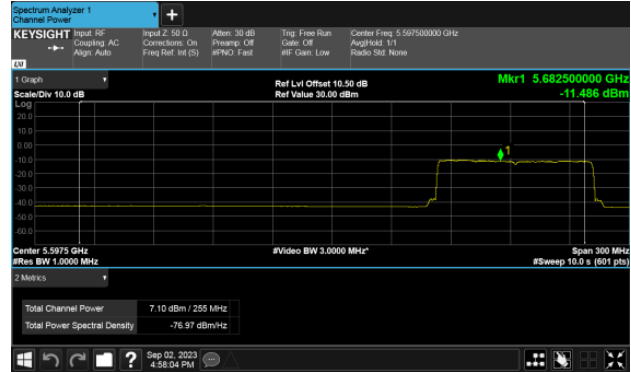




Within 5470-5725MHz Band, Straddle Channel
Modulation Type: 802.11ax HE40 CH142
ANT A



Modulation Type: 802.11ax HE80 CH138
ANT A



ANT B



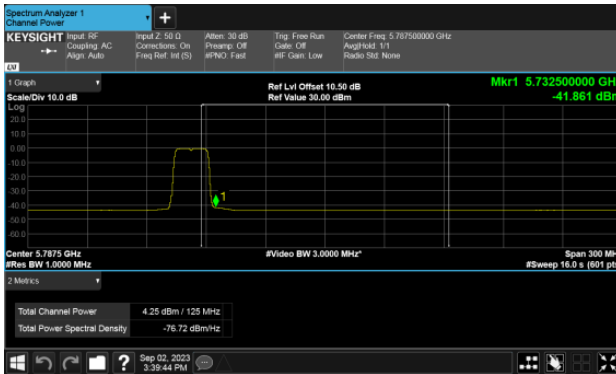
ANT B



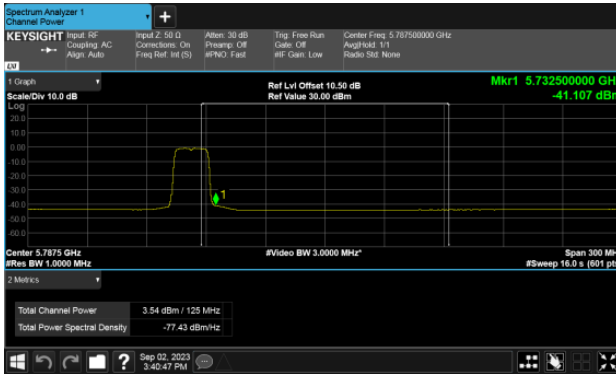


Extends across 5725MHz band, Straddle Channel
Modulation Type: 802.11a CH144
ANT A

Modulation Type: 802.11ax HE20 CH144
ANT A



ANT B



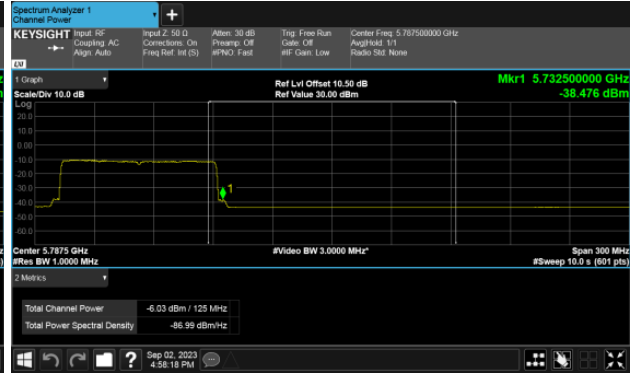
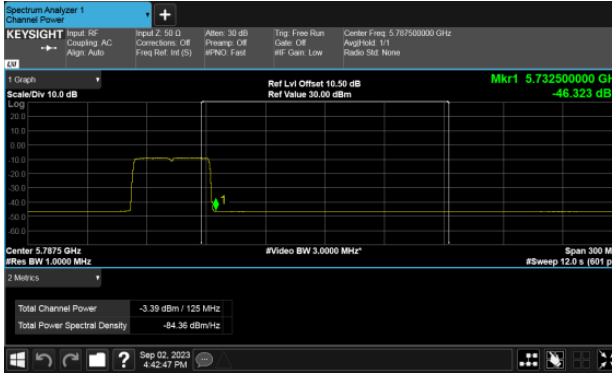
ANT B





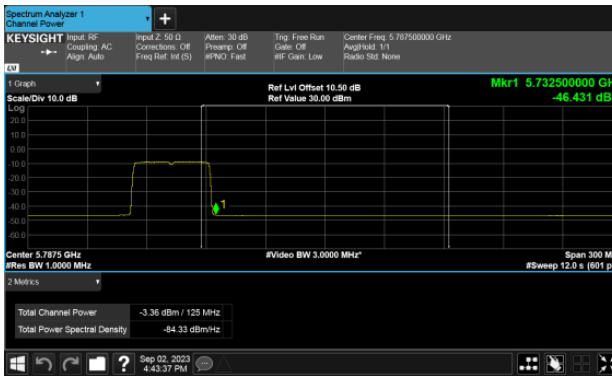
Extends across 5725MHz band, Straddle Channel
Modulation Type: 802.11ax HE40 CH142
ANT A

Modulation Type: 802.11ax HE80 CH138
ANT A



ANT B

ANT B





11. Power Spectral Density

11.1. Test Limit

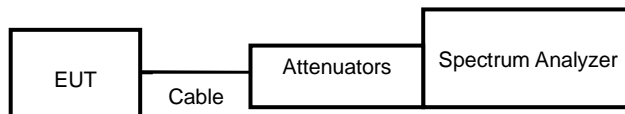
PSD:

Frequency Band		Limit
<input checked="" type="checkbox"/>	5.15~5.25GHz	
	Operating Mode	
<input type="checkbox"/>	Outdoor access point	17 dBm/MHz
<input type="checkbox"/>	Indoor access point	17 dBm/MHz
<input type="checkbox"/>	Fixed point-to-point access points	17 dBm/MHz
<input checked="" type="checkbox"/>	Mobile and portable client devices	11 dBm/MHz
<input type="checkbox"/>	5.725~5.85 GHz	11 dBm/MHz
<input type="checkbox"/>	5.470-5.725 GHz	11 dBm/MHz
<input checked="" type="checkbox"/>	5.725~5.85 GHz	30 dBm/500kHz

11.2. Test Procedure

Reference to KDB789033 D02 General UNII Test Procedures New Rules v02r01

11.3. Test Setup Layout



**11.4. Test Result and Data**

In the 5.2G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B				
11a	36	5180	-0.26	0.08	2.92	2.80	5.72	10.74
11a	40	5200	-0.46	0.13	2.85	2.80	5.65	10.74
11a	48	5240	-0.16	0.66	3.28	2.80	6.08	10.74
11ax HE20	36	5180	-1.02	-0.68	2.16	3.14	5.30	10.74
11ax HE20	40	5200	-1.25	-0.71	2.04	3.14	5.18	10.74
11ax HE20	48	5240	-0.89	-0.16	2.50	3.14	5.64	10.74
11ax HE40	38	5190	-5.81	-5.46	-2.62	4.77	2.15	10.74
11ax HE40	46	5230	-5.87	-5.11	-2.46	4.77	2.31	10.74
11ax HE80	42	5210	-9.88	-9.77	-6.81	6.74	-0.07	10.74

In the 5.3G Band

Modulation Type	Channel	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B				
11a	52	5260	-0.60	-0.93	2.25	2.80	5.05	11.00
11a	60	5300	0.30	-0.22	3.06	2.80	5.86	11.00
11a	64	5320	0.28	0.65	3.48	2.80	6.28	11.00
11ax HE20	52	5260	-1.38	-1.55	1.55	3.14	4.69	11.00
11ax HE20	60	5300	-0.21	-0.18	2.82	3.14	5.96	11.00
11ax HE20	64	5320	-0.57	-0.09	2.68	3.14	5.82	11.00
11ax HE40	54	5270	-5.88	-6.15	-3.00	4.77	1.77	11.00
11ax HE40	62	5310	-5.28	-5.24	-2.25	4.77	2.52	11.00
11ax HE80	58	5290	-11.51	-11.43	-8.46	6.74	-1.72	11.00



In the 5.5G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B				
11a	100	5500	0.04	-0.11	2.97	2.80	5.77	11.00
11a	120	5600	0.83	0.04	3.46	2.80	6.26	11.00
11a	140	5700	-0.18	-0.66	2.60	2.80	5.40	11.00
11a	144	5720	-0.08	-0.74	2.61	2.80	5.41	11.00
11ax HE20	100	5500	-1.25	-0.70	2.05	3.14	5.19	11.00
11ax HE20	120	5600	-0.40	-0.81	2.41	3.14	5.55	11.00
11ax HE20	140	5700	-1.25	-1.12	1.83	3.14	4.97	11.00
11ax HE20	144	5720	-1.19	-1.11	1.86	3.14	5.00	11.00
11ax HE40	102	5510	-5.92	-5.41	-2.65	4.77	2.12	11.00
11ax HE40	118	5590	-5.09	-4.96	-2.01	4.77	2.76	11.00
11ax HE40	134	5670	-5.74	-6.10	-2.91	4.77	1.86	11.00
11ax HE40	142	5710	-8.69	-8.64	-5.66	4.77	-0.89	11.00
11ax HE80	106	5530	-10.15	-10.54	-7.33	6.74	-0.59	11.00
11ax HE80	122	5610	-9.86	-10.49	-7.15	6.74	-0.41	11.00
11ax HE80	138	5690	-10.75	-10.63	-7.68	6.74	-0.94	11.00

In the 5.8G Band

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	10log(500KHz/RBW) CF (dB)	Total Corr'd PSD (dBm/500kHz)
			ANT A	ANT B				
11a	149	5745	0.63	1.11	3.89	2.80	-3.01	3.68
11a	157	5785	-0.26	0.37	3.08	2.80	-3.01	2.87
11a	165	5825	-0.29	-0.36	2.68	2.80	-3.01	2.47
11ax HE20	149	5745	-0.19	0.16	3.00	3.14	-3.01	3.13
11ax HE20	157	5785	-0.89	-0.71	2.21	3.14	-3.01	2.34
11ax HE20	165	5825	-1.05	-1.11	1.93	3.14	-3.01	2.06
11ax HE40	151	5755	-4.78	-4.58	-1.67	4.77	-3.01	0.09
11ax HE40	159	5795	-5.52	-5.45	-2.47	4.77	-3.01	-0.71
11ax HE80	155	5775	-8.02	-7.85	-4.92	6.74	-3.01	-1.19

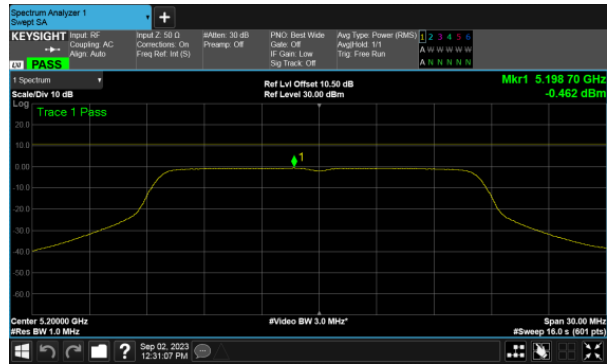
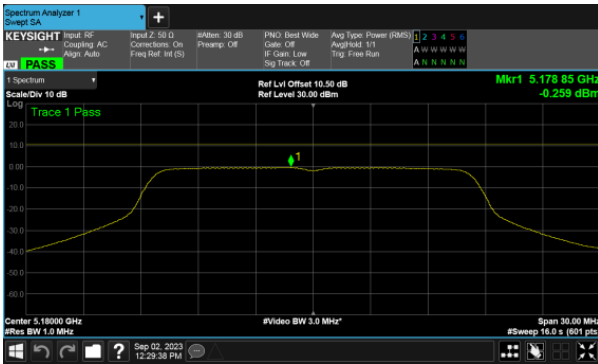
802.11ax(160)

Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B				
11ac HE160	50	5210	-18.84	-18.58	-15.70	8.50	-7.20	10.74
11ac HE160		5290	-18.68	-18.62	-15.64	8.50	-7.14	11.00
11ac HE160	114	5570	-15.69	-15.89	-12.78	8.50	-4.28	11.00



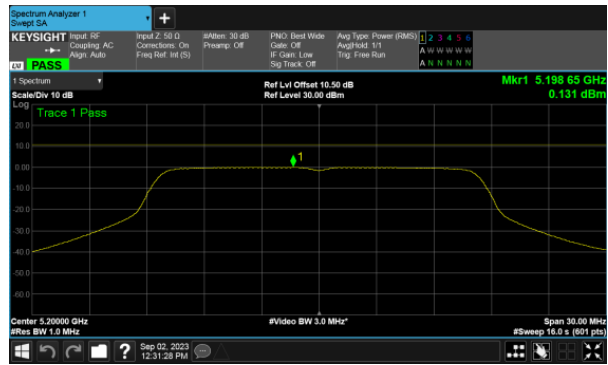
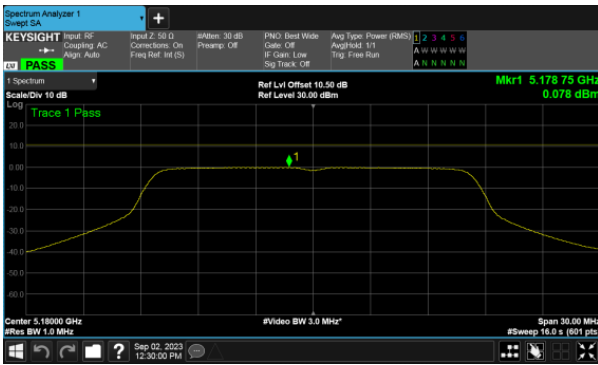
Band 1
Modulation Type: 802.11a CH36
ANT A

Modulation Type: 802.11a CH40
ANT A



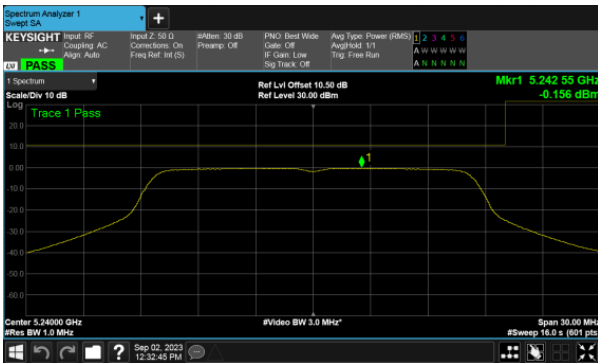
ANT B

ANT B





Modulation Type: 802.11a CH48
ANT A

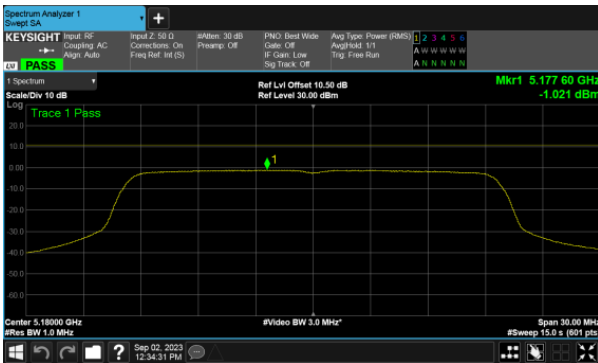


ANT B

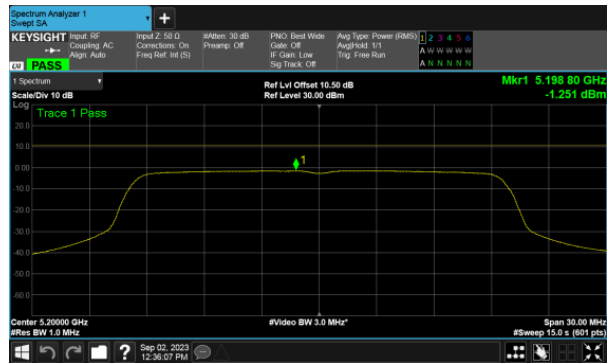




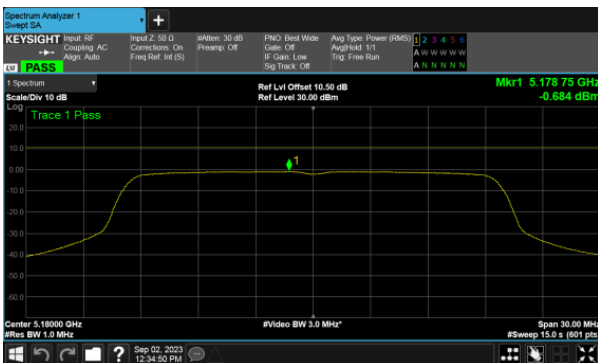
Modulation Type: 802.11ax HE20 CH36
ANT A



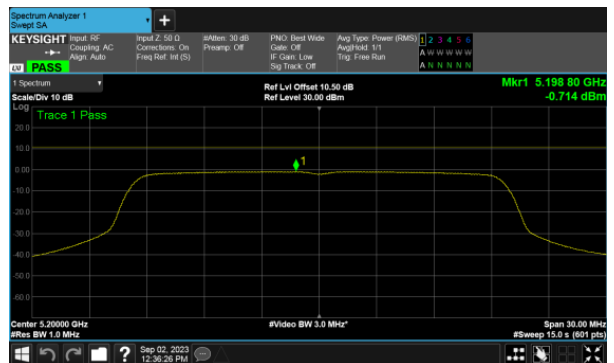
Modulation Type: 802.11ax HE20 CH40
ANT A



ANT B

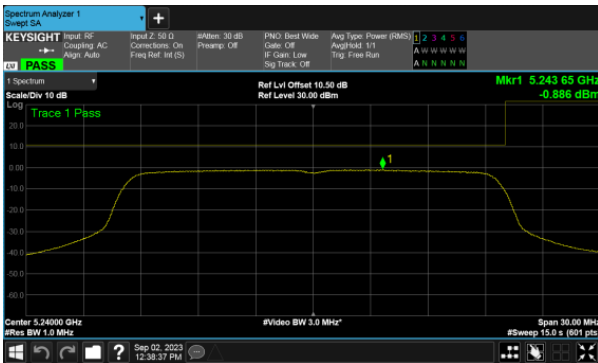


ANT B





Modulation Type: 802.11ax HE20 CH48
ANT A

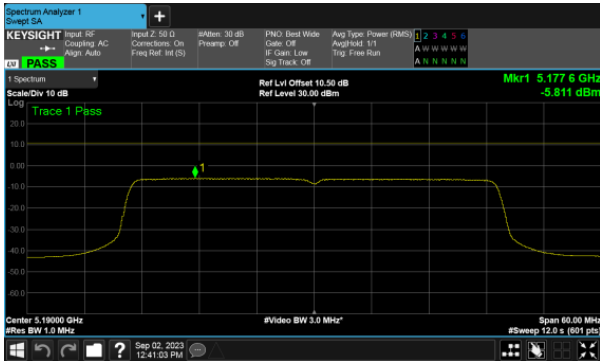


ANT B

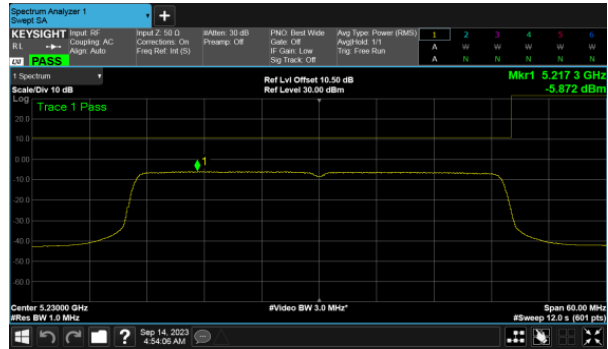




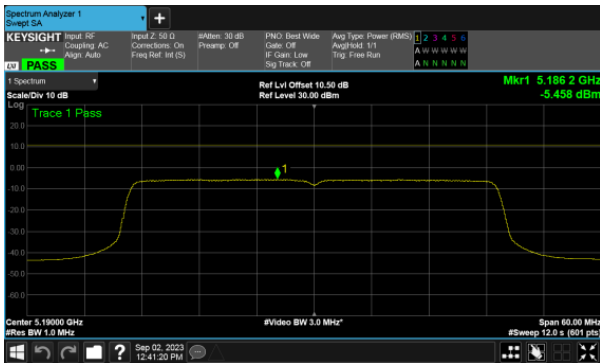
Modulation Type: 802.11ax HE40 CH38
ANT A



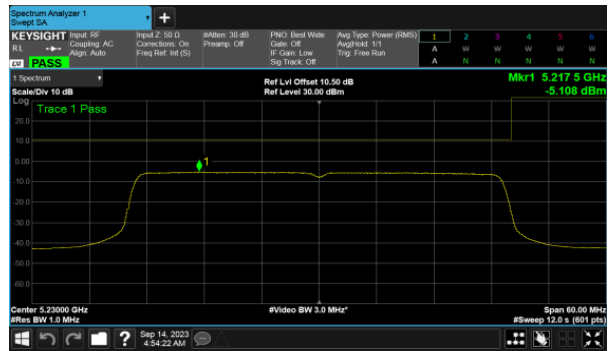
Modulation Type: 802.11ax HE40 CH46
ANT A



ANT B

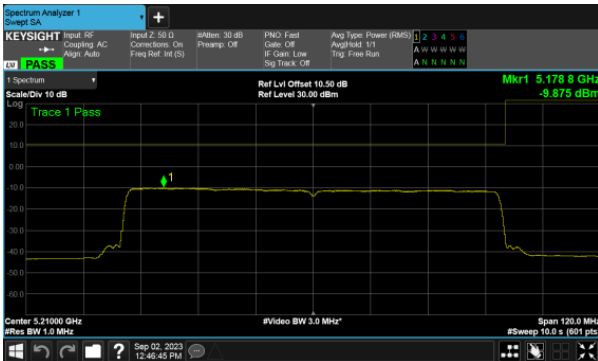


ANT B





Modulation Type: 802.11ax HE80 CH42
ANT A

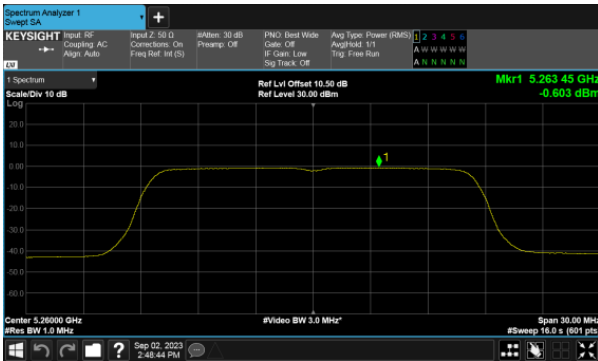


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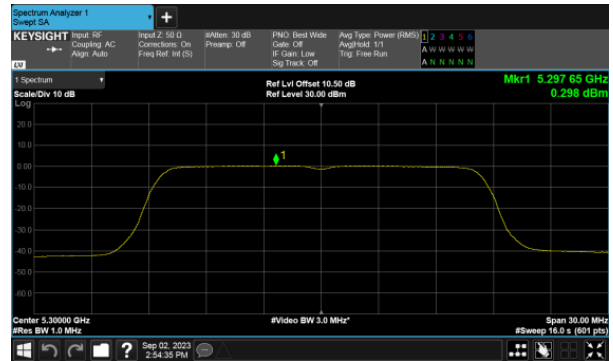




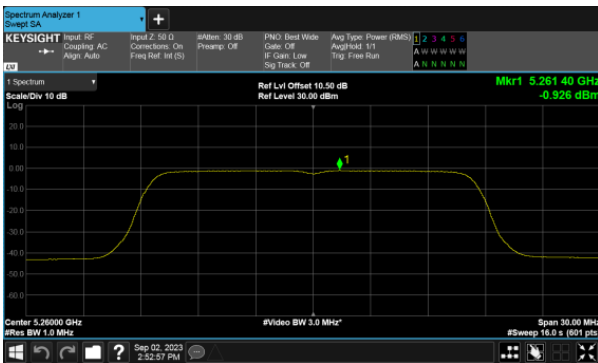
Band 2
Modulation Type: 802.11a CH52
ANT A



Modulation Type: 802.11a CH60
ANT A



ANT B



ANT B





Modulation Type: 802.11a CH64
ANT A

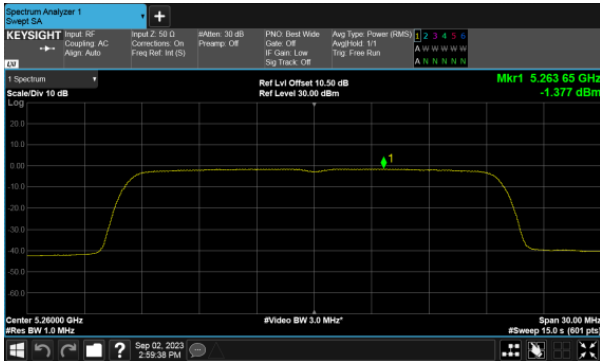


ANT B

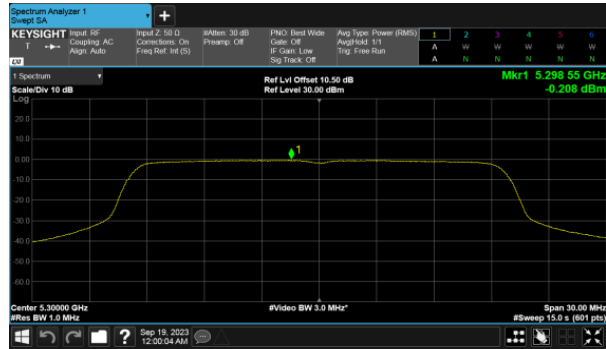




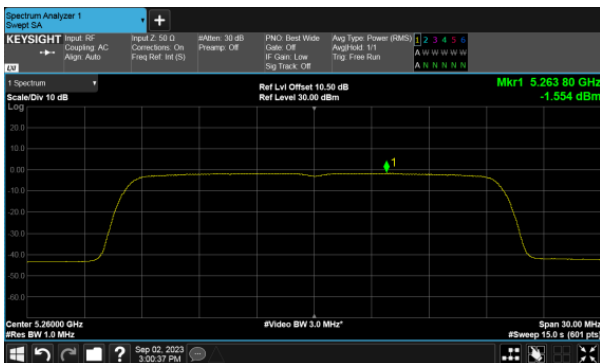
Modulation Type: 802.11ax HE20 CH52
ANT A



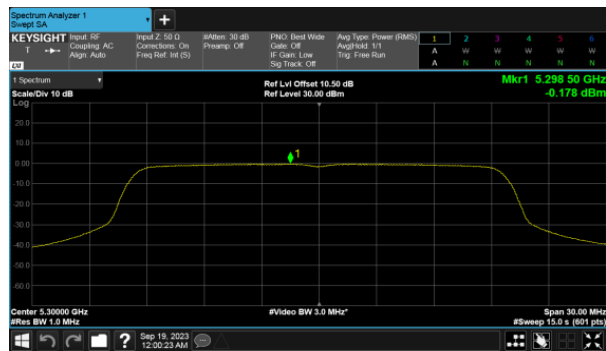
Modulation Type: 802.11ax HE20 CH60
ANT A



ANT B

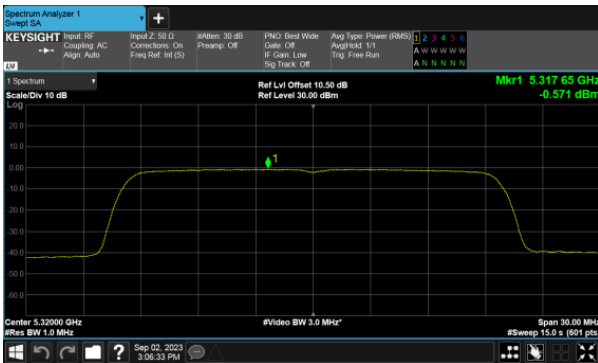


ANT B

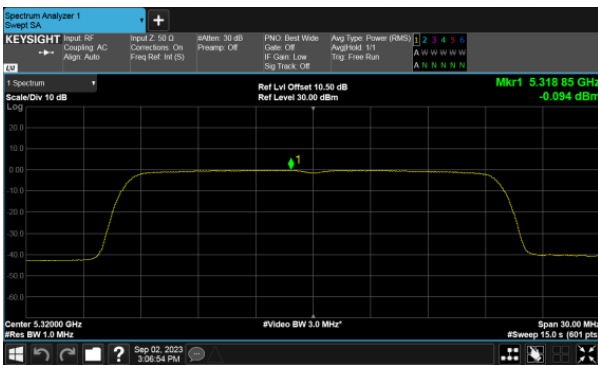




Modulation Type: 802.11ax HE20 CH64
ANT A

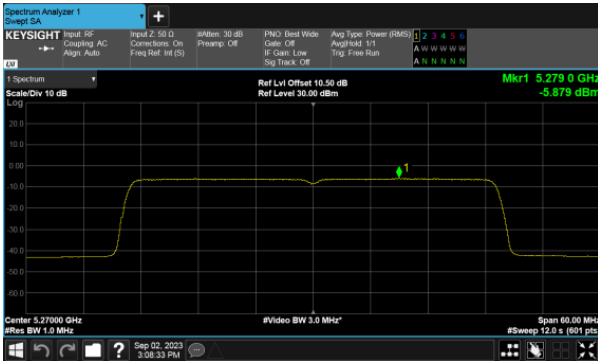


ANT B

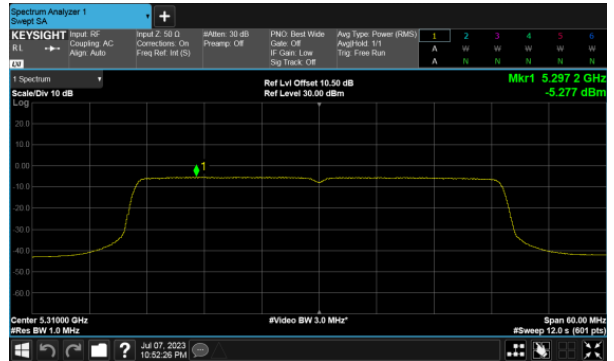




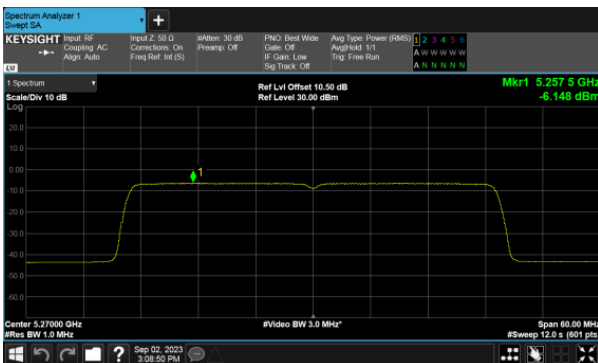
Modulation Type: 802.11ax HE40 CH54
ANT A



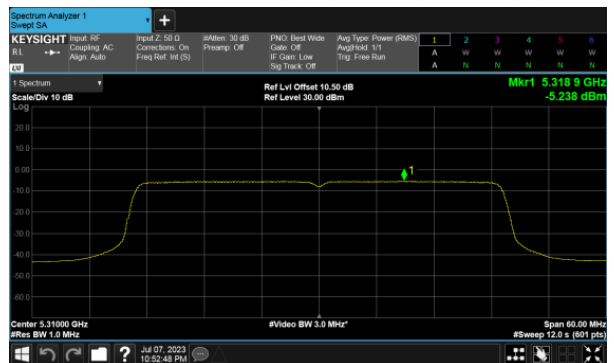
Modulation Type: 802.11ax HE40 CH62
ANT A



ANT B

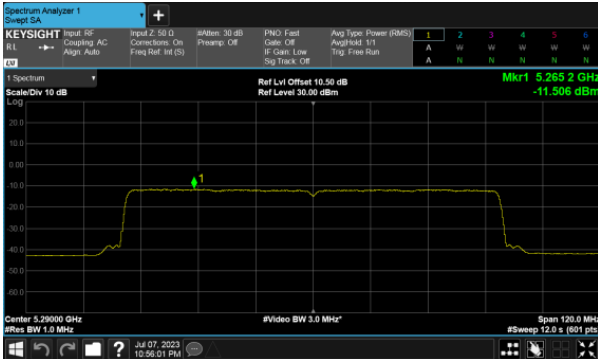


ANT B

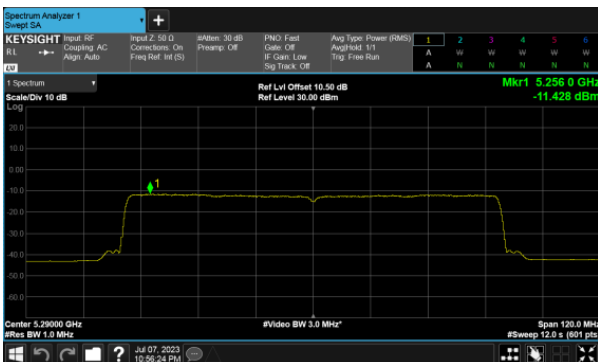




Modulation Type: 802.11ax HE80 CH58
ANT A

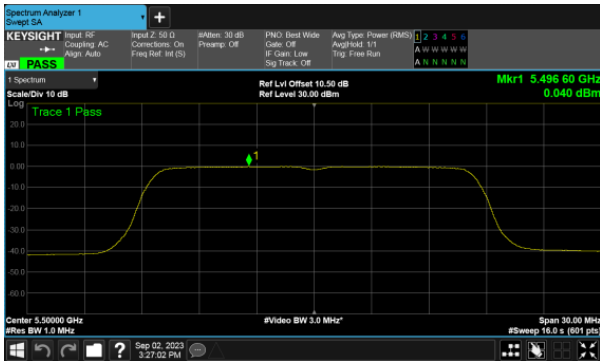


ANT B

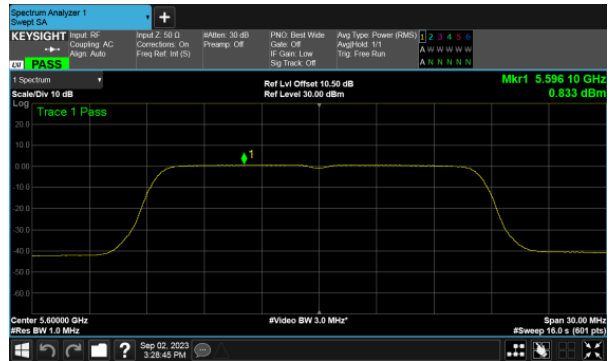




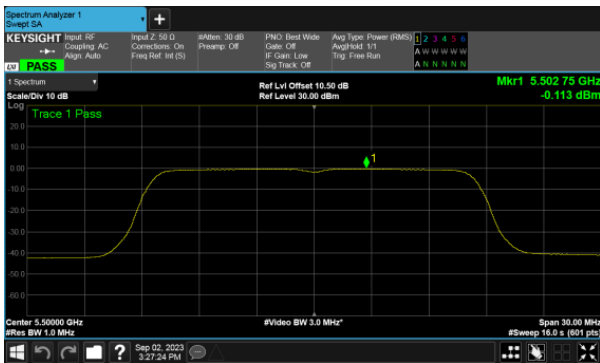
Band 3
Modulation Type: 802.11a CH100
ANT A



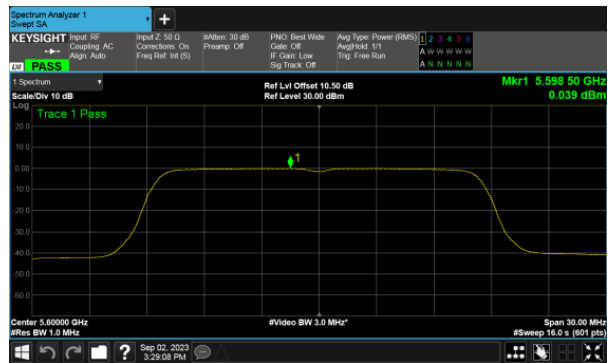
Modulation Type: 802.11a CH120
ANT A



ANT B

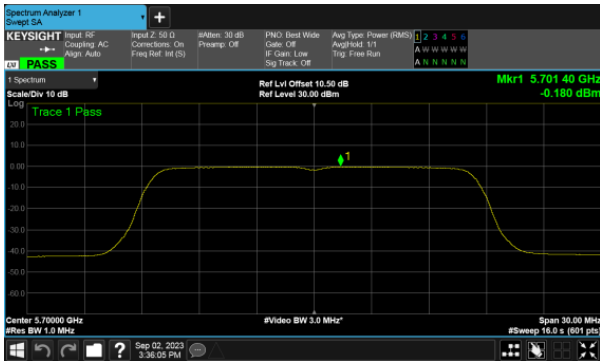


ANT B

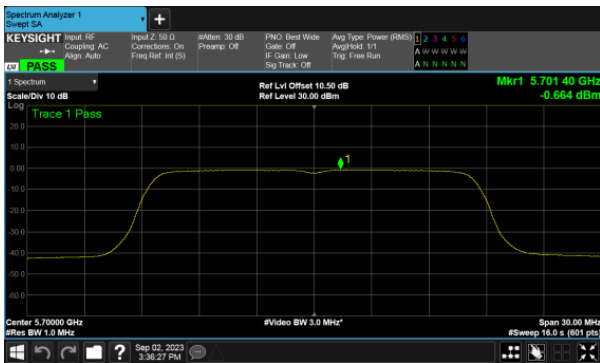




Modulation Type: 802.11a CH140
ANT A

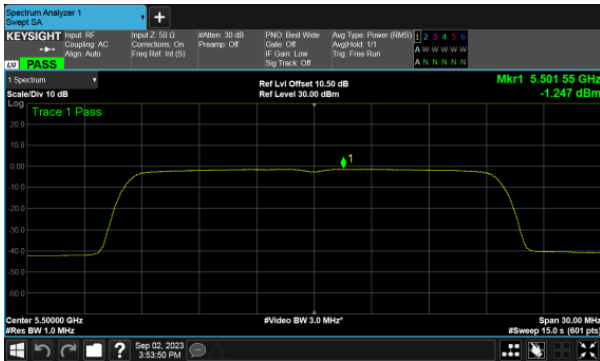


ANT B

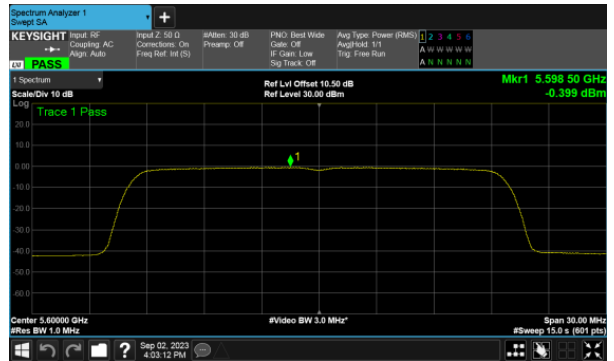




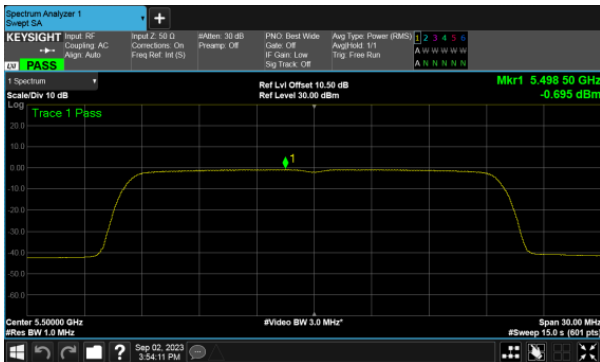
Modulation Type: 802.11ax HE20 CH100
ANT A



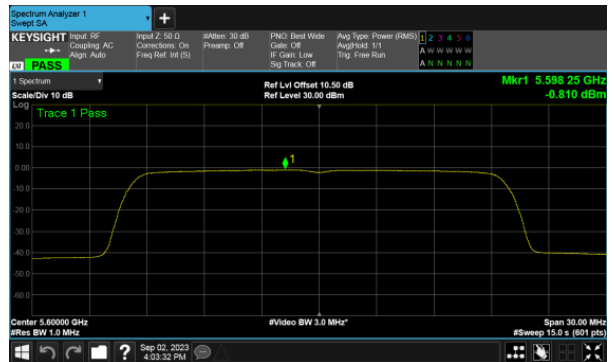
Modulation Type: 802.11ax HE20 CH120
ANT A



ANT B

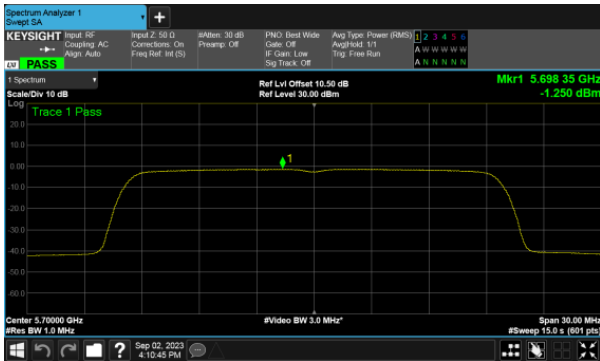


ANT B

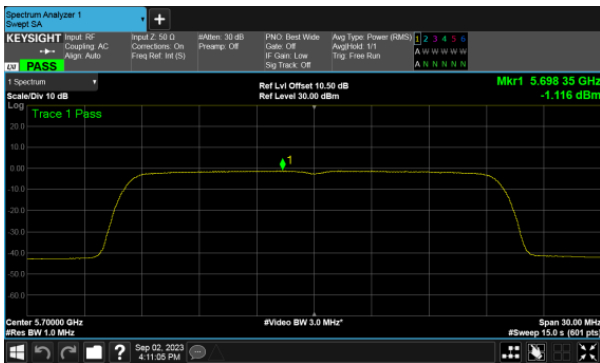




Modulation Type: 802.11ax HE20 CH140
ANT A

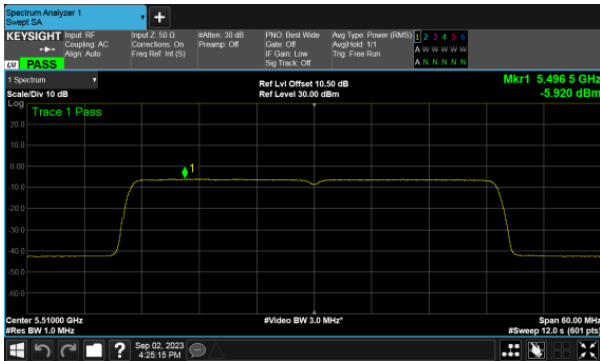


ANT B

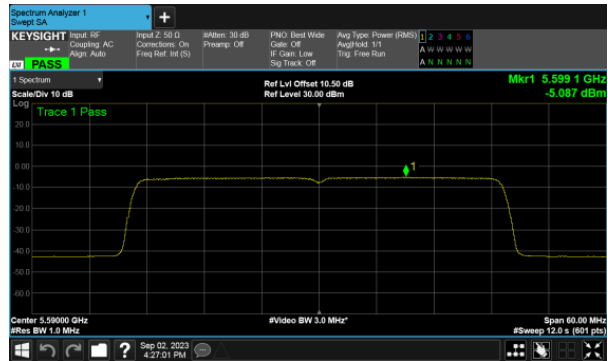




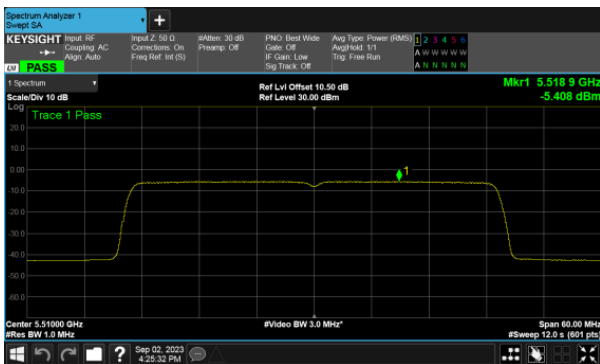
Modulation Type: 802.11ax HE40 CH102
ANT A



Modulation Type: 802.11ax HE40 CH118
ANT A



ANT B

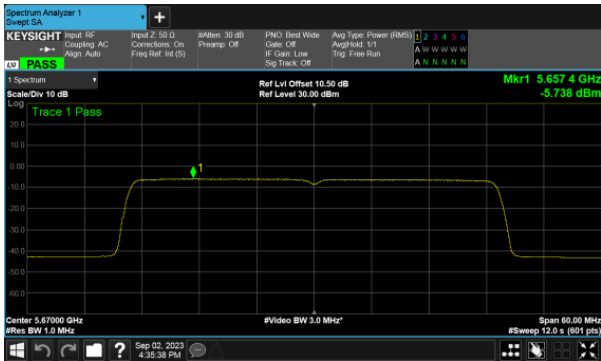


ANT B

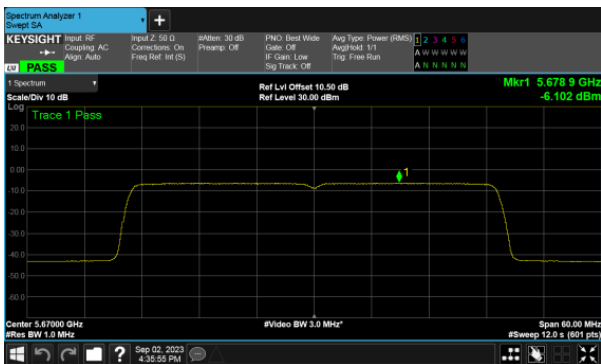




Modulation Type: 802.11ax HE40 CH134
ANT A

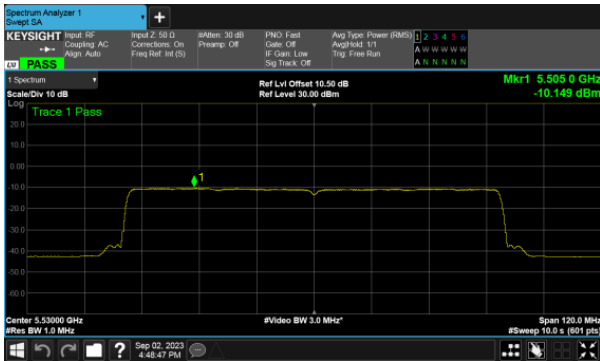


ANT B





Modulation Type: 802.11ax HE80 CH106
ANT A



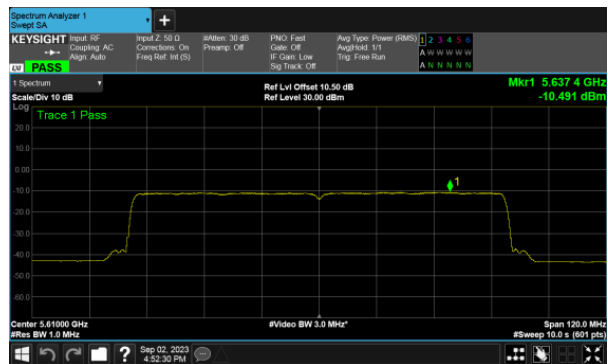
Modulation Type: 802.11ax HE80 CH122
ANT A



ANT B

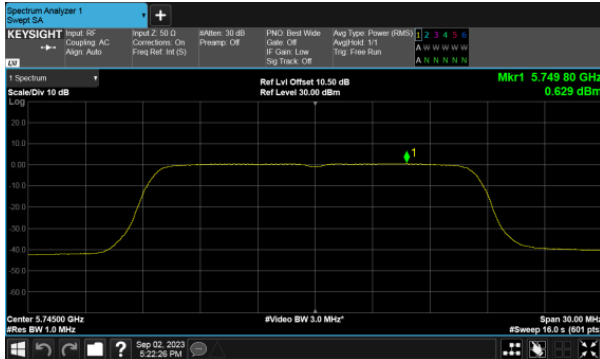


ANT B

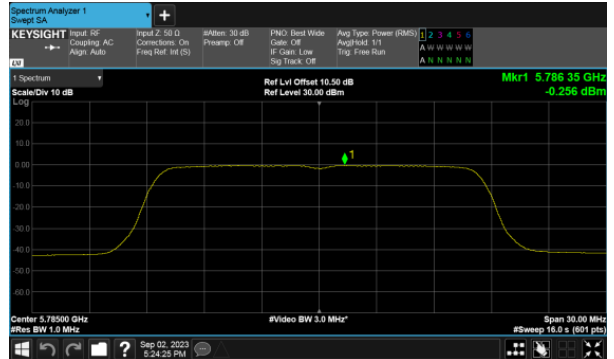




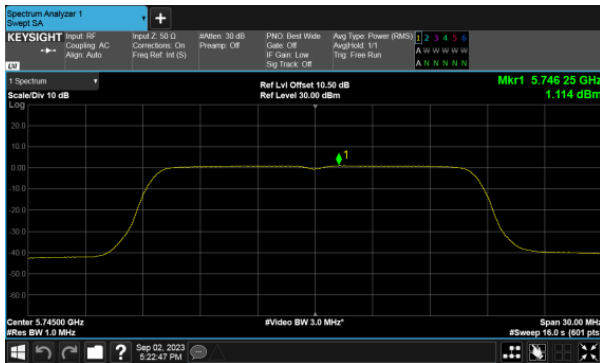
Band 4
Modulation Type: 802.11a CH149
ANT A



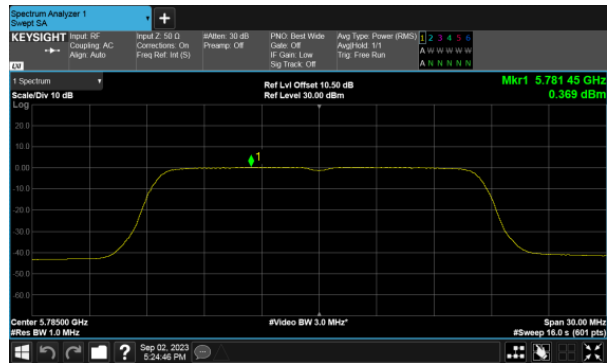
Modulation Type: 802.11a CH157
ANT A



ANT B

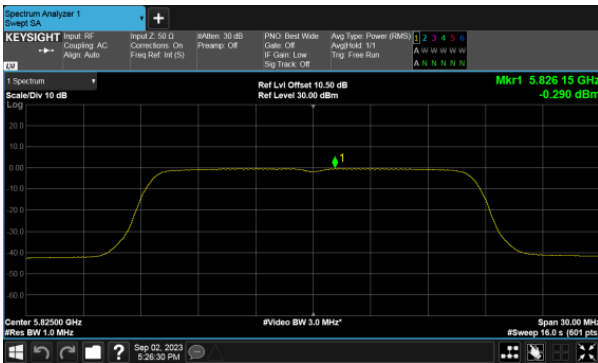


ANT B

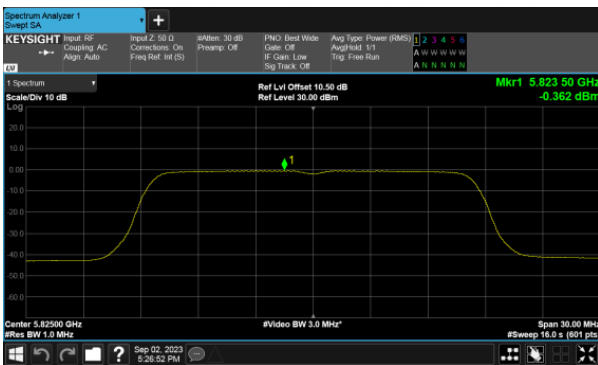




Modulation Type: 802.11a CH165
ANT A

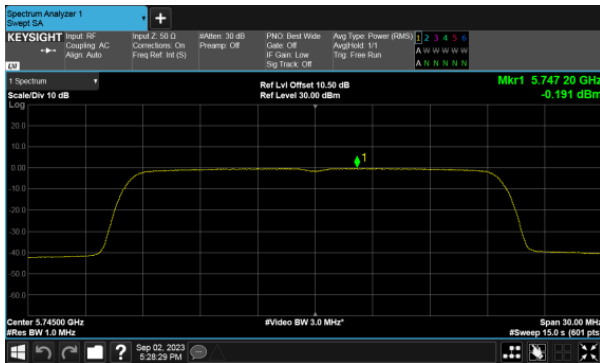


ANT B

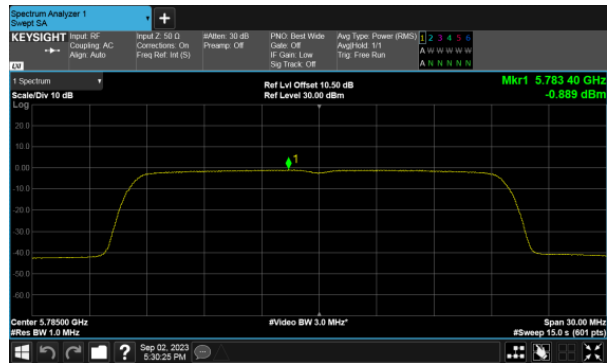




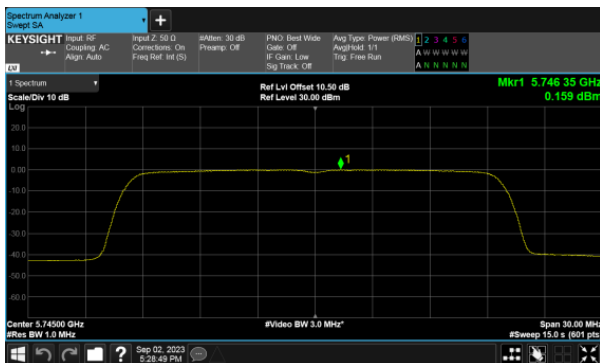
Modulation Type: 802.11ax HE20 CH149
ANT A



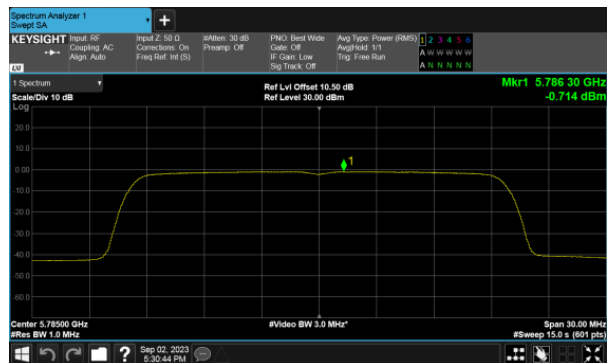
Modulation Type: 802.11ax HE20 CH157
ANT A



ANT B

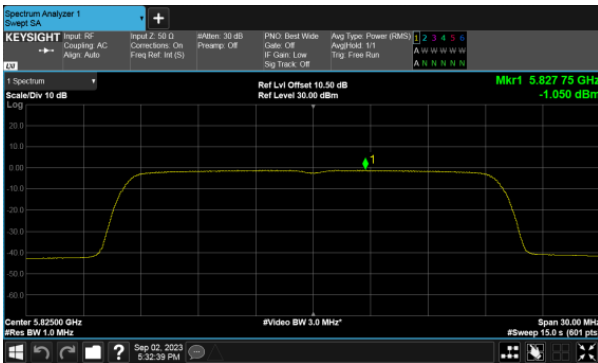


ANT B

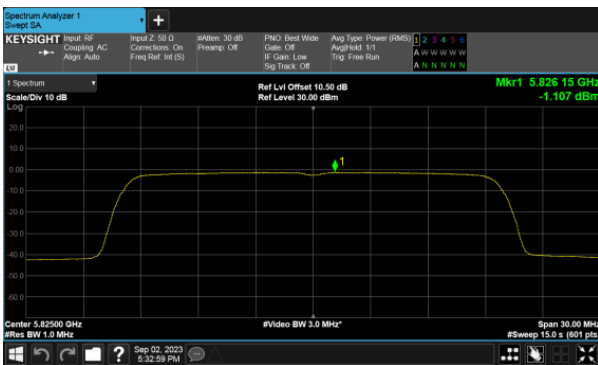




Modulation Type: 802.11ax HE20 CH165
ANT A



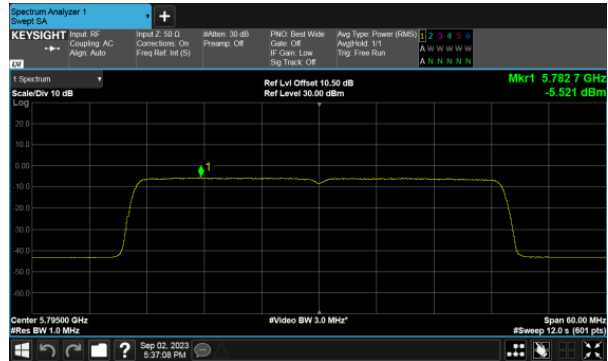
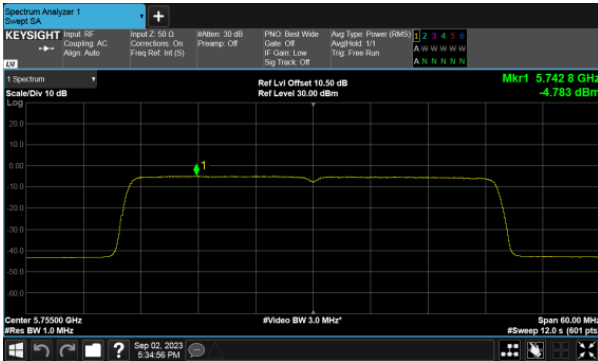
ANT B





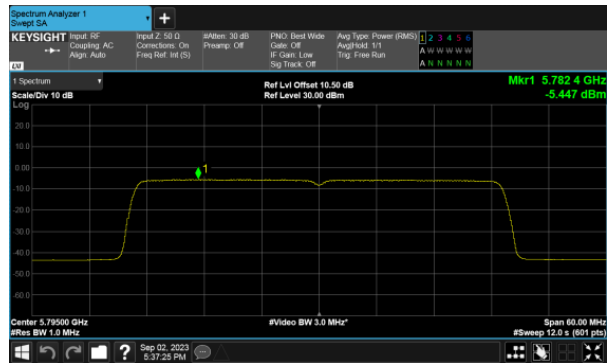
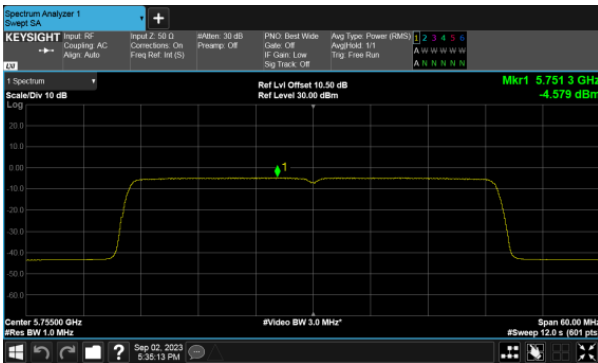
Modulation Type: 802.11ax HE40 CH151
ANT A

Modulation Type: 802.11ax HE40 CH159
ANT A



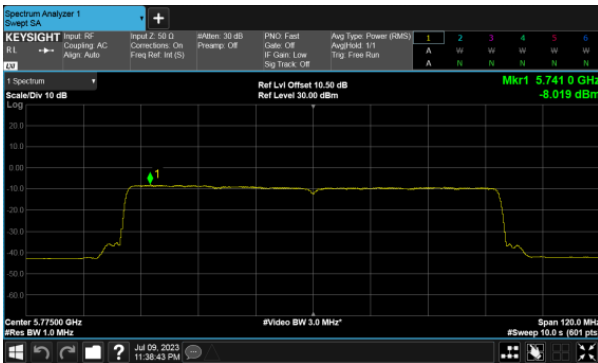
ANT B

ANT B

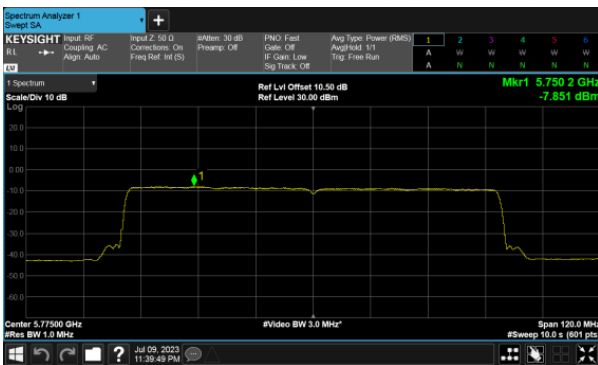




Modulation Type: 802.11ax HE80 CH155
ANT A



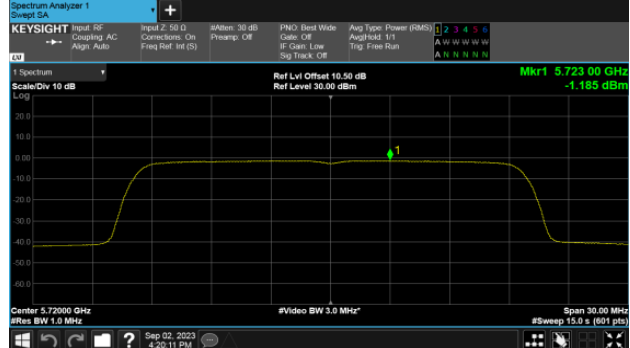
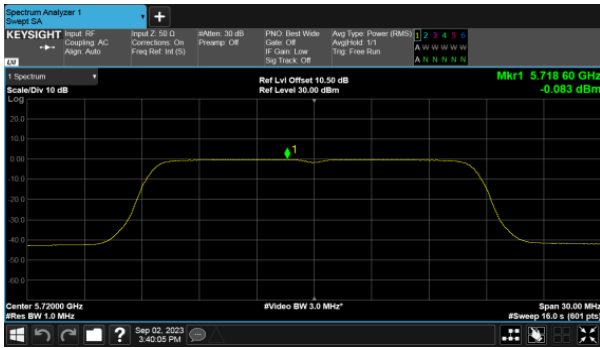
ANT B





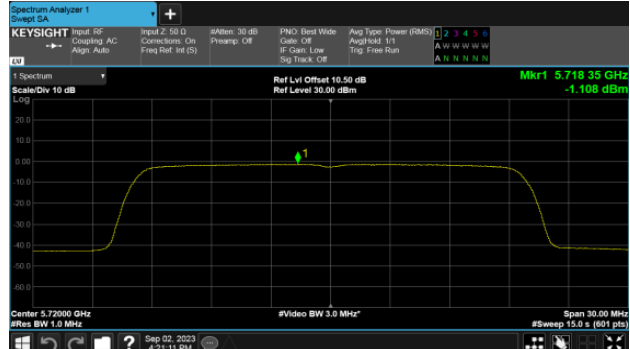
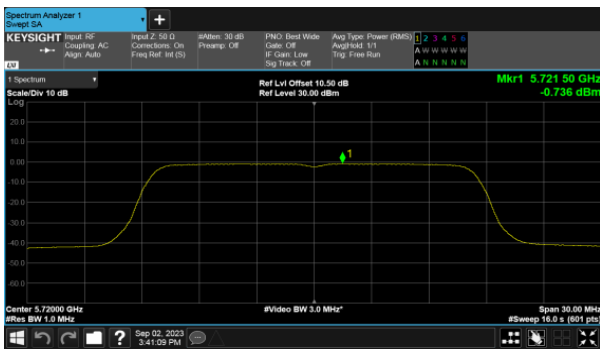
Straddle Channel
Modulation Type: 802.11a CH144
ANT A

Modulation Type: 802.11ax HE20 CH144
ANT A



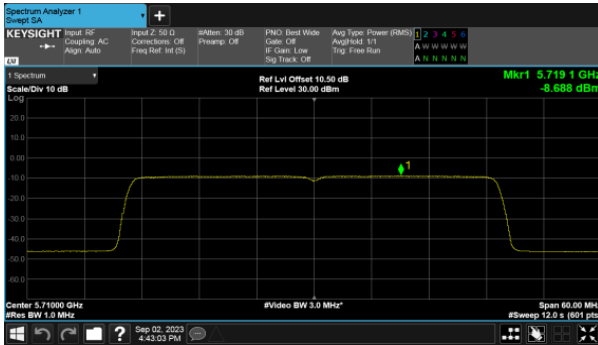
ANT B

ANT B

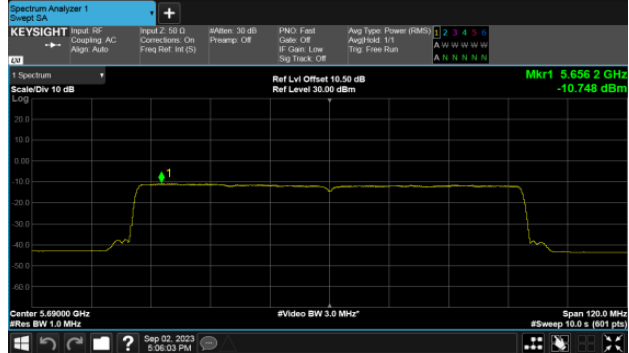




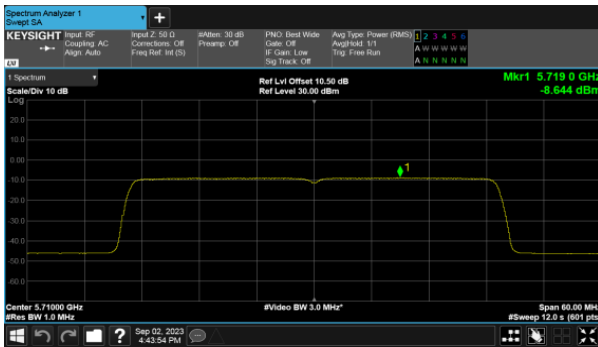
Modulation Type: 802.11ax HE40 CH142
ANT A



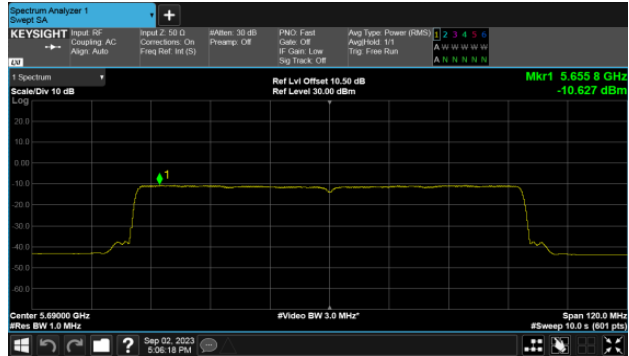
Modulation Type: 802.11ax HE80 CH138
ANT A



ANT B



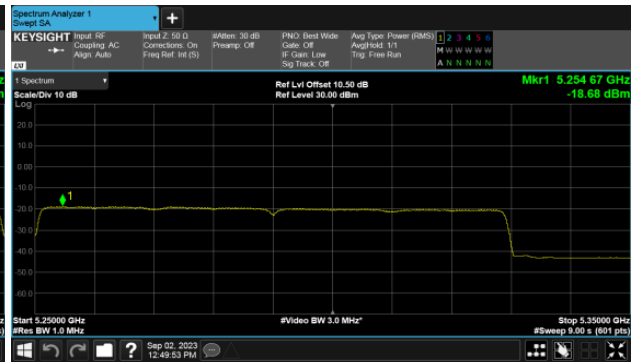
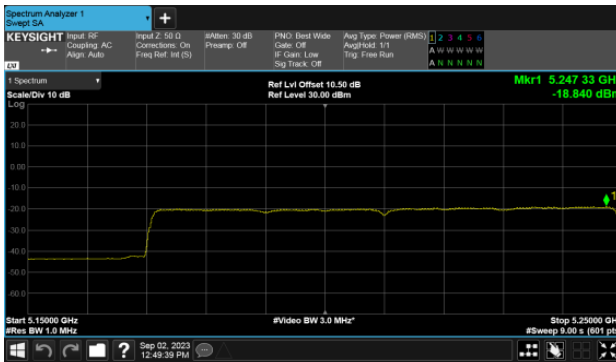
ANT B





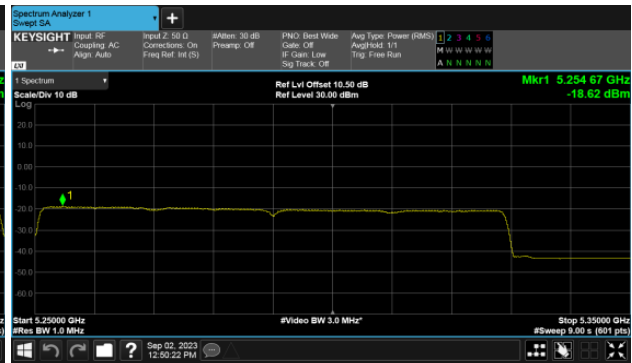
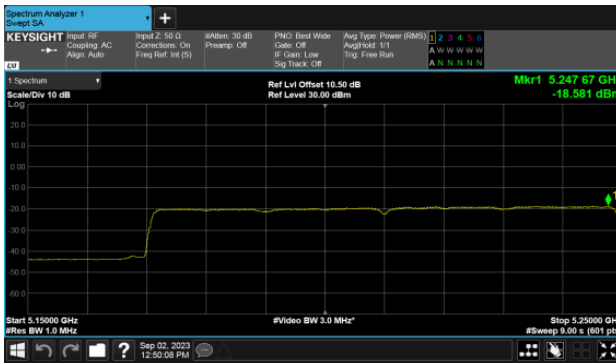
Modulation Type: 802.11ax HE160 CH50
ANT A

Modulation Type: 802.11ax HE160 CH50
ANT A



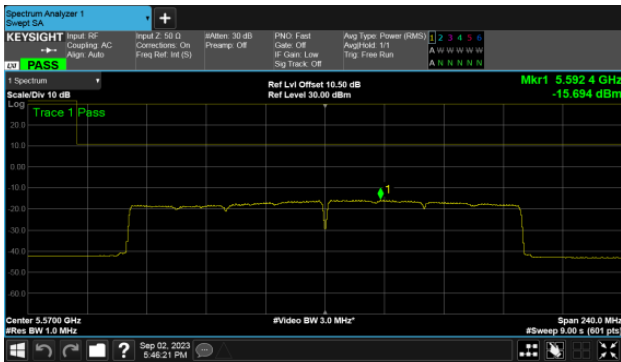
ANT B

ANT B

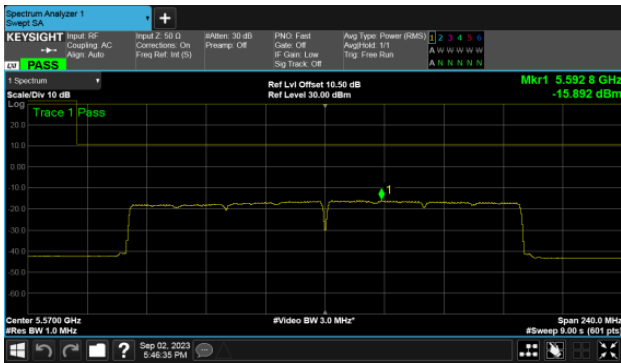




Modulation Type: 802.11ax HE160 CH114
ANT A



ANT B



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