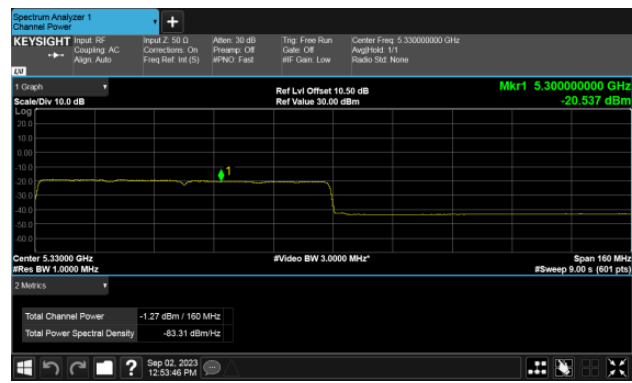




Within 5150-5250MHz band
Modulation Type: 802.11ax HE160 CH50
ANT A



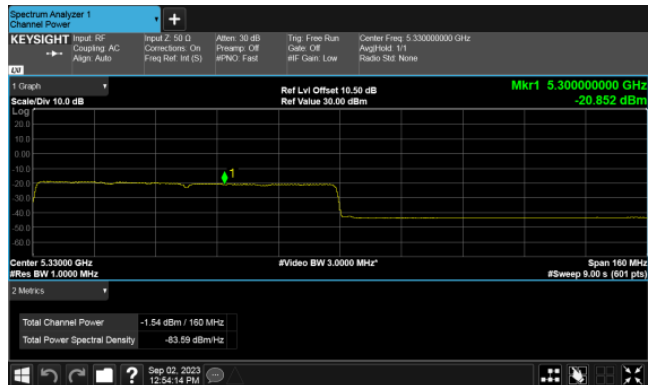
Extends across 5250MHz band
Modulation Type: 802.11ax HE160 CH50
ANT A



ANT B



ANT B

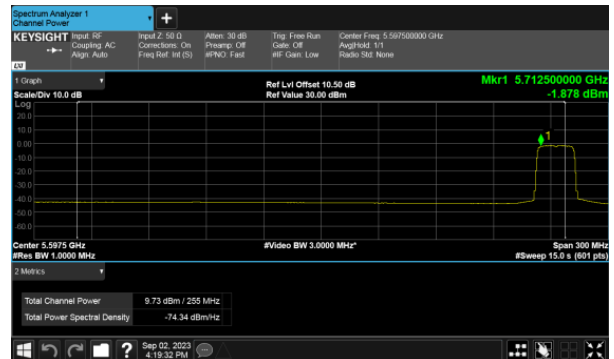




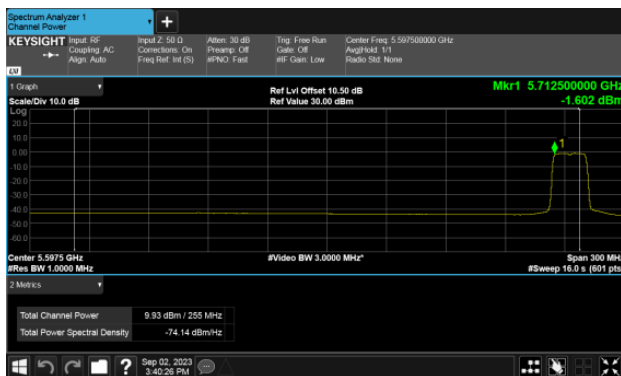
Within 5470-5725MHz Band, Straddle Channel
Modulation Type: 802.11a CH144
ANT A



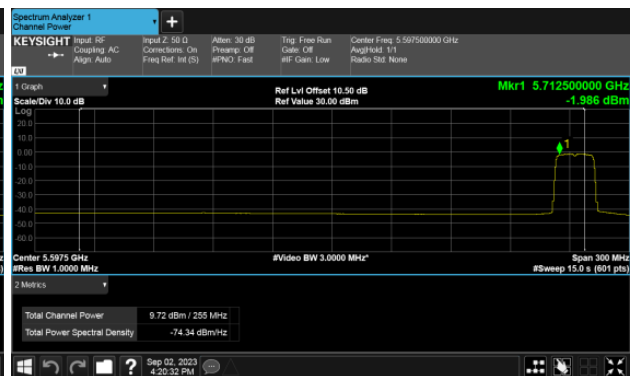
Modulation Type: 802.11ax HE20 CH144
ANT A



ANT B

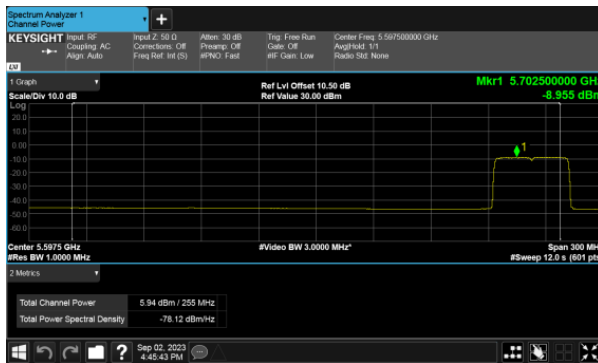


ANT B

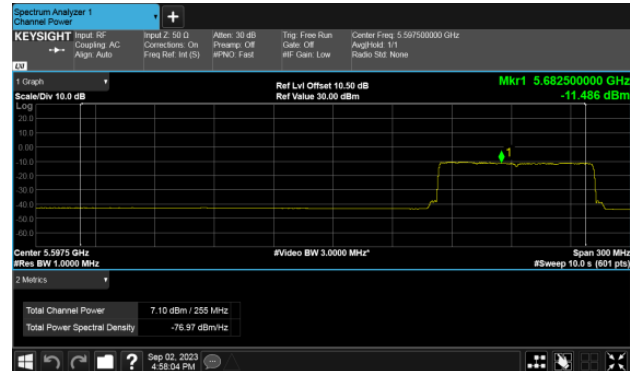




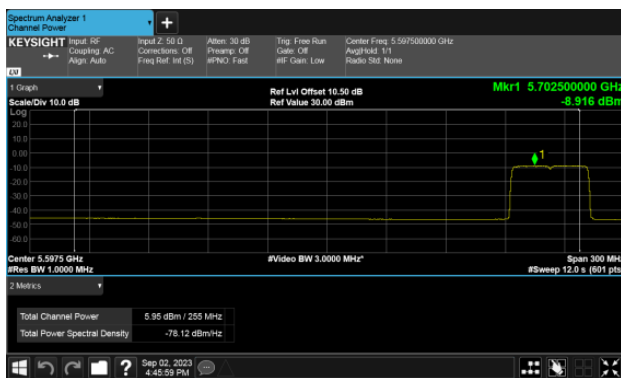
Within 5470-5725MHz Band, Straddle Channel
Modulation Type: 802.11ax HE40 CH142
ANT A



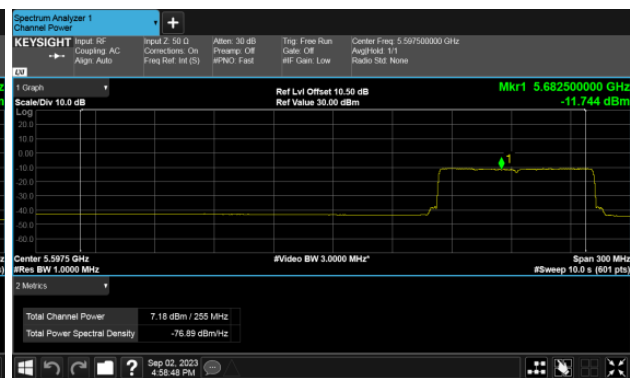
Modulation Type: 802.11ax HE80 CH138
ANT A



ANT B

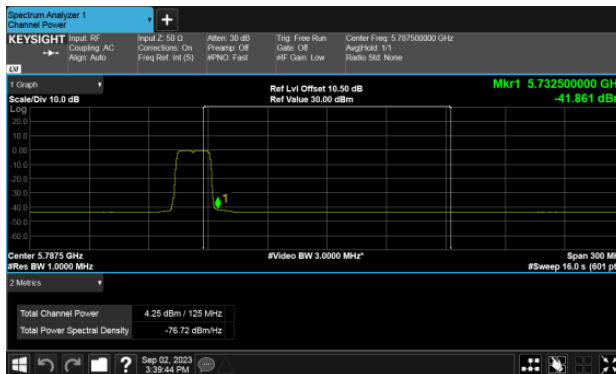


ANT B

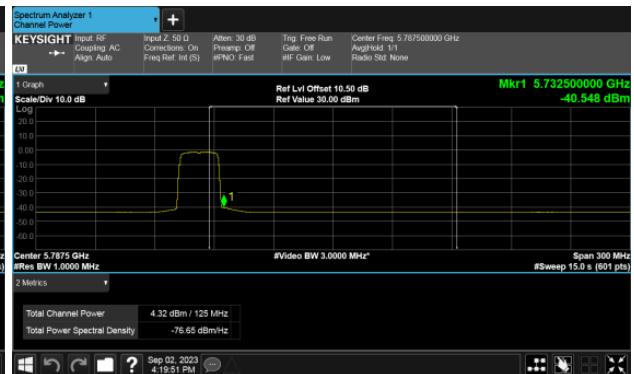




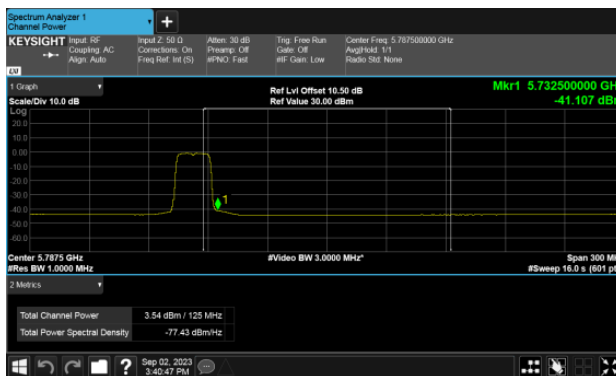
Extends across 5725MHz band, Straddle Channel
Modulation Type: 802.11a CH144
ANT A



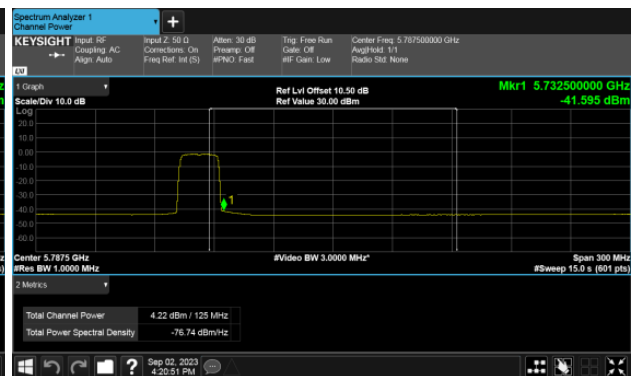
Modulation Type: 802.11ax HE20 CH144
ANT A



ANT B



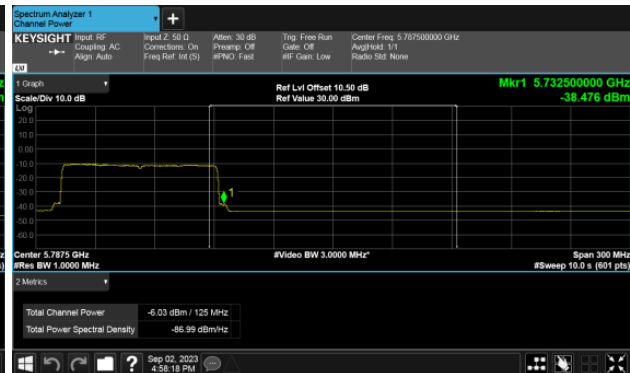
ANT B



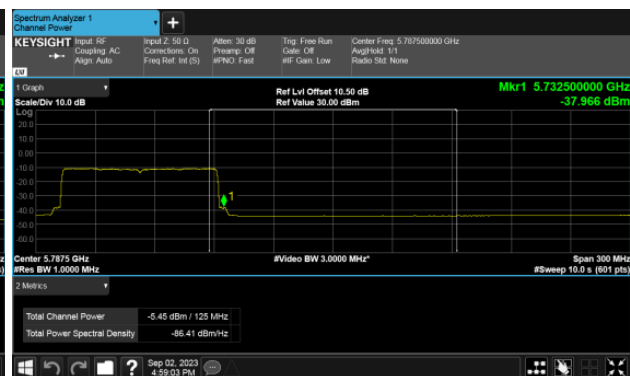


Extends across 5725MHz band, Straddle Channel
Modulation Type: 802.11ax HE40 CH142
ANT A

Modulation Type: 802.11ax HE80 CH138
ANT A



ANT B





11. Power Spectral Density

11.1. Test Limit

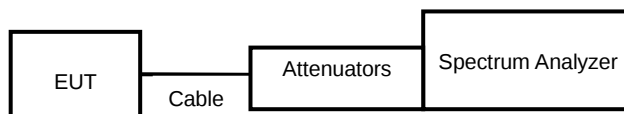
PSD:

Frequency Band		Limit
☒	5.15~5.25GHz	
	Operating Mode	
☐	Outdoor access point	17 dBm/MHz
☐	Indoor access point	17 dBm/MHz
☐	Fixed point-to-point access points	17 dBm/MHz
☒	Mobile and portable client devices	11 dBm/MHz
☐	5.725~5.85 GHz	11 dBm/MHz
☐	5.470-5.725 GHz	11 dBm/MHz
☒	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)

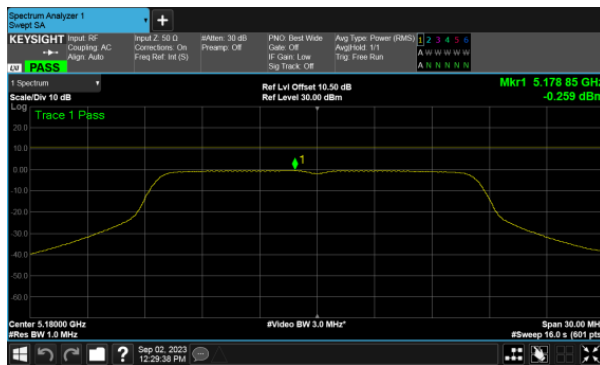
Modulation Type	Channel (MHz)	Frequency (MHz)	Meas PSD (dBm/MHz)		Sum chain (dBm)	Duty Cycle CF(dB)	Total Corr'd PSD (dBm/MHz)	PSD Limit (dBm/MHz)
			ANT A	ANT B				
11ac HE160	50	5210	-18.84	-18.58	-15.70	8.50	-7.20	10.74
11ac HE160		5290	-18.68	-18.62	-15.64	8.50	-7.14	11.00
11ac HE160	114	5570	-15.69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



Band 1

Modulation Type: 802.11a CH36

ANT A

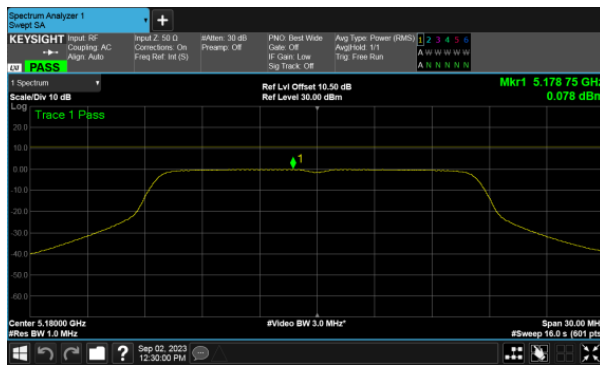


Modulation Type: 802.11a CH40

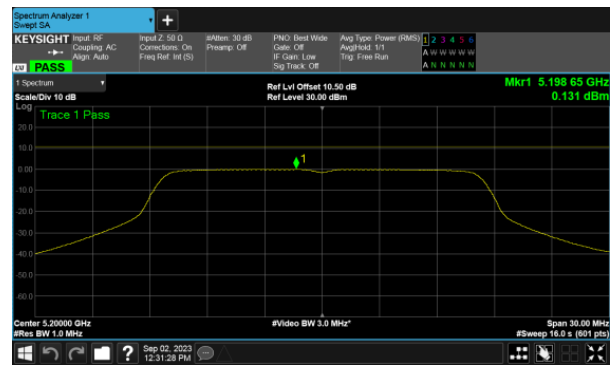
ANT A



ANT B

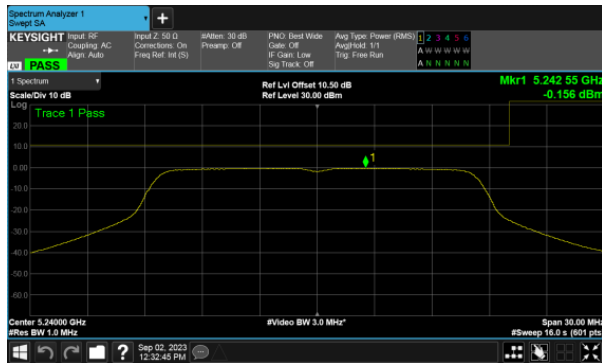


ANT B

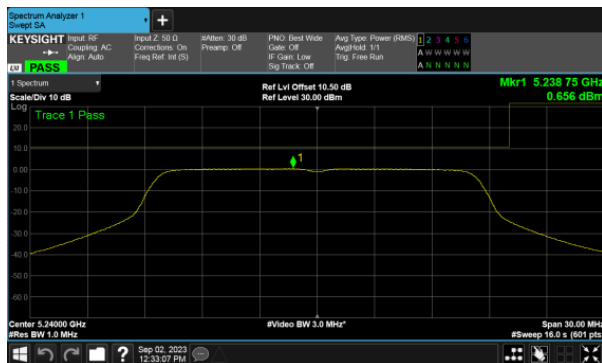




Modulation Type: 802.11a CH48
ANT A

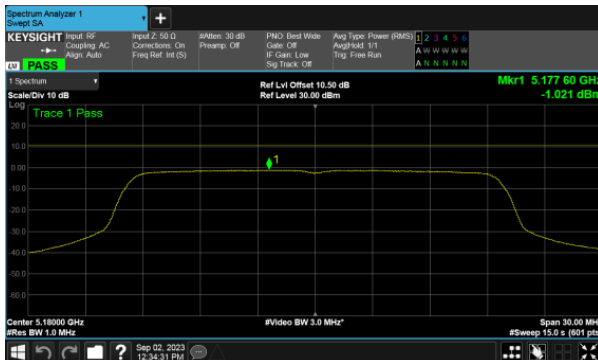


ANT B

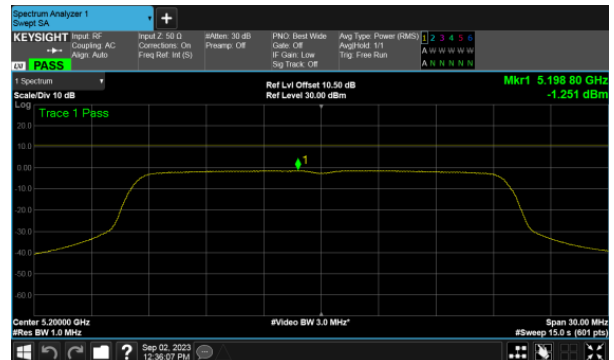




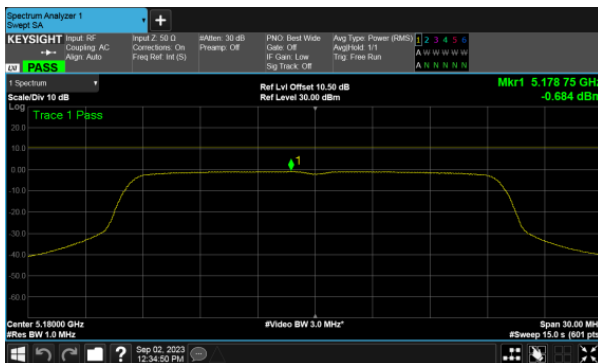
Modulation Type: 802.11ax HE20 CH36
ANT A



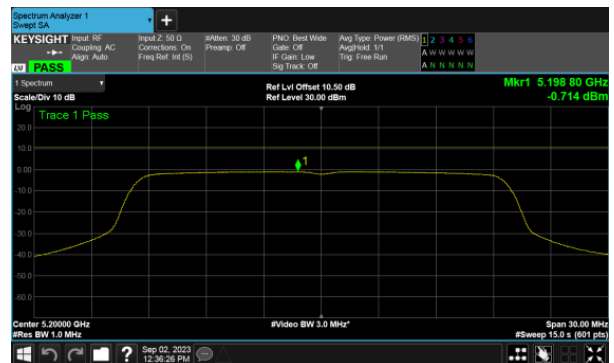
Modulation Type: 802.11ax HE20 CH40
ANT A



ANT B

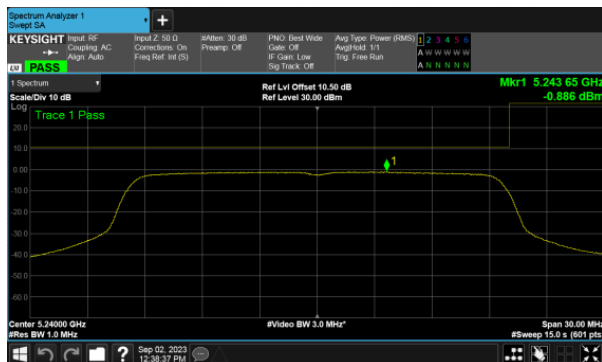


ANT B

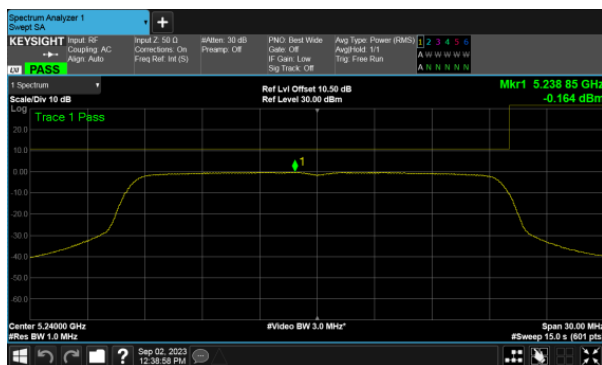




Modulation Type: 802.11ax HE20 CH48
ANT A

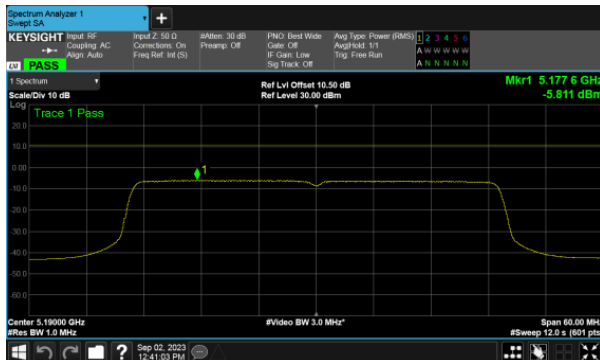


ANT B

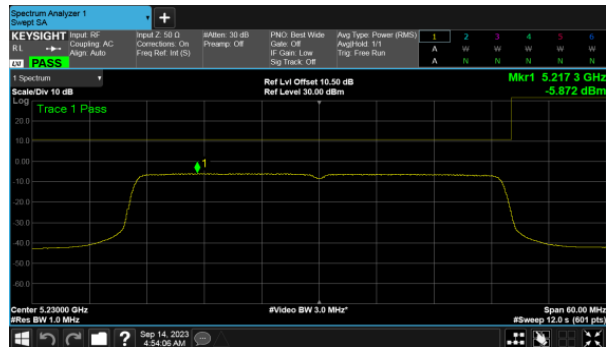




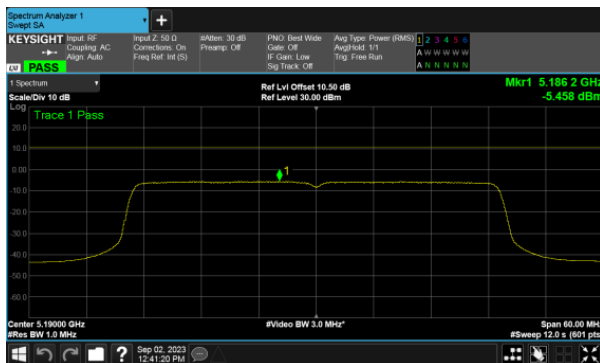
Modulation Type: 802.11ax HE40 CH38
ANT A



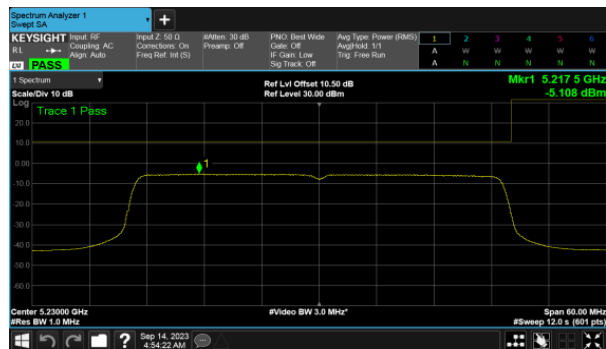
Modulation Type: 802.11ax HE40 CH46
ANT A



ANT B

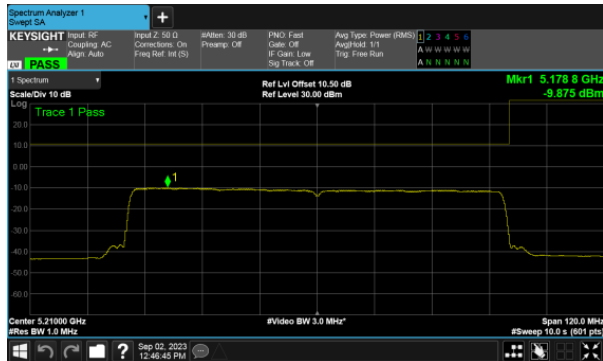


ANT B

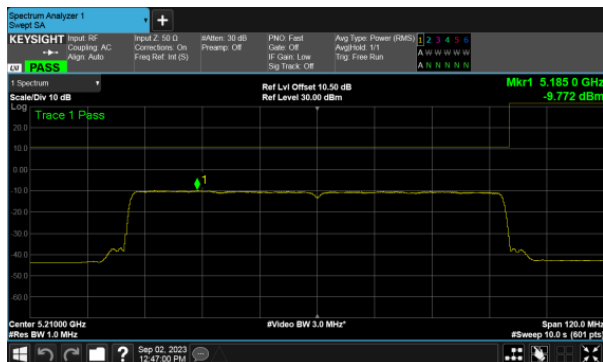




Modulation Type: 802.11ax HE80 CH42
ANT A

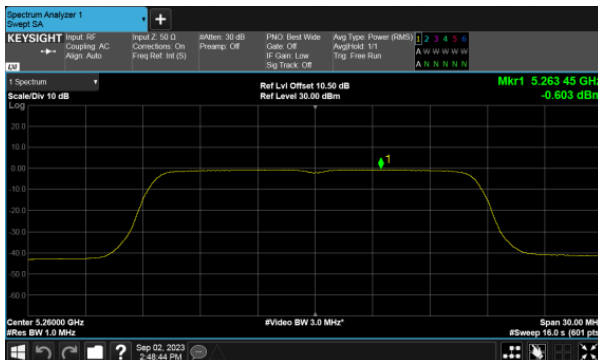


ANT B

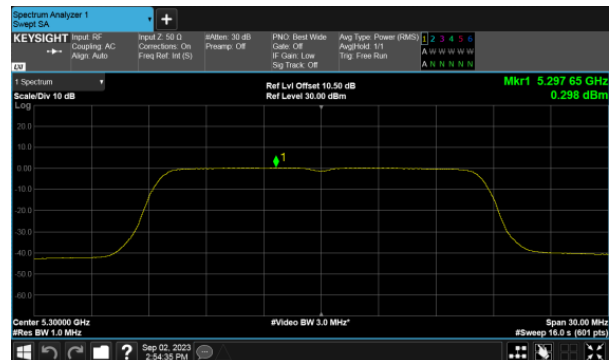




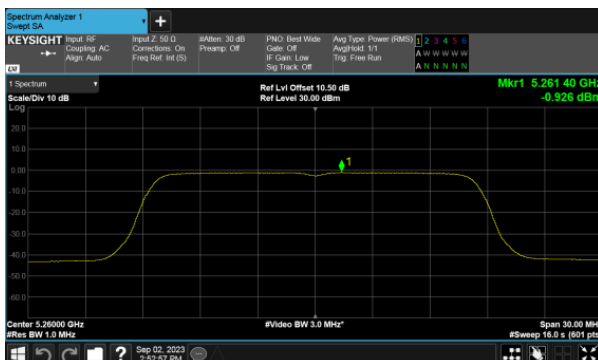
Band 2
Modulation Type: 802.11a CH52
ANT A



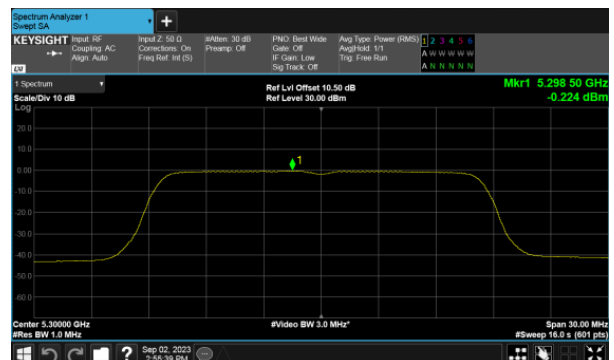
Modulation Type: 802.11a CH60
ANT A



ANT B

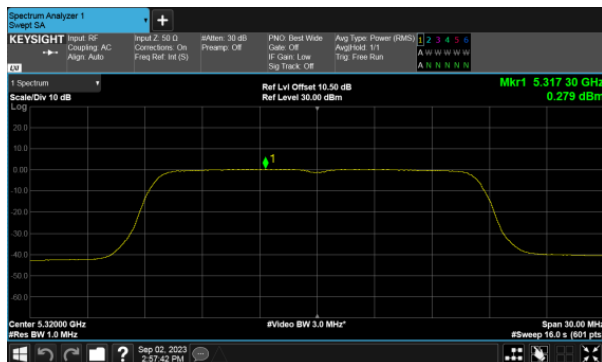


ANT B

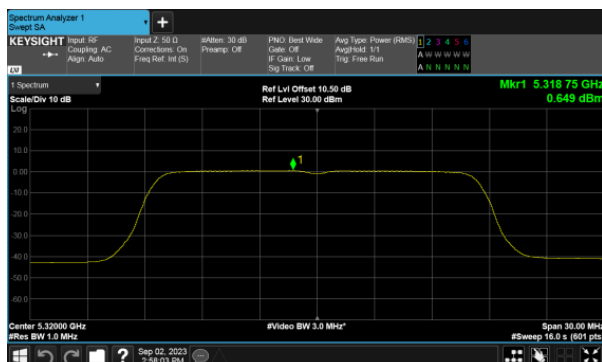




Modulation Type: 802.11a CH64
ANT A

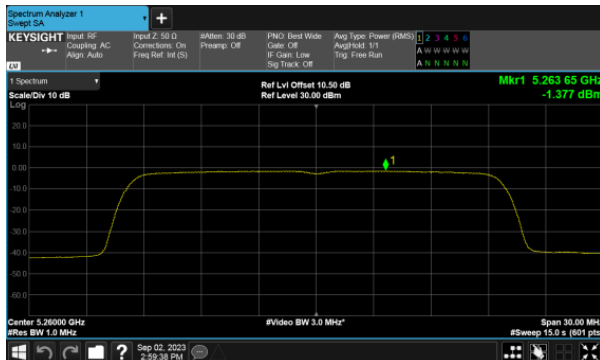


ANT B

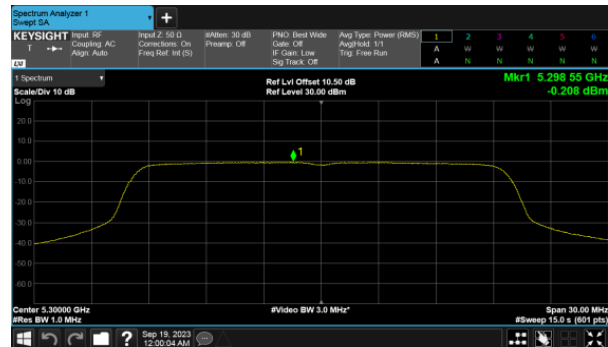




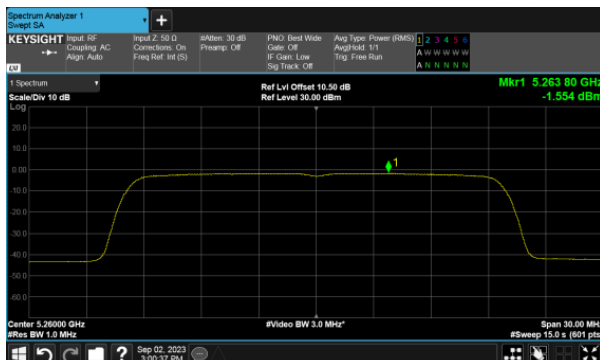
Modulation Type: 802.11ax HE20 CH52
ANT A



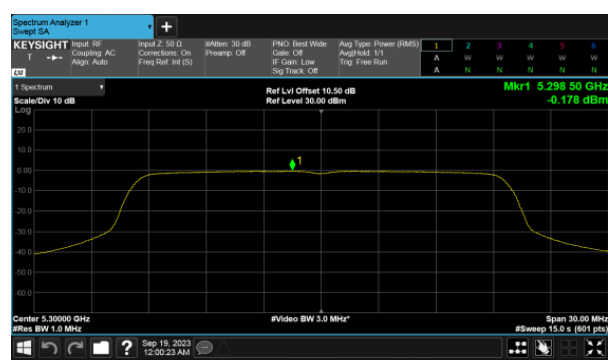
Modulation Type: 802.11ax HE20 CH60
ANT A



ANT B

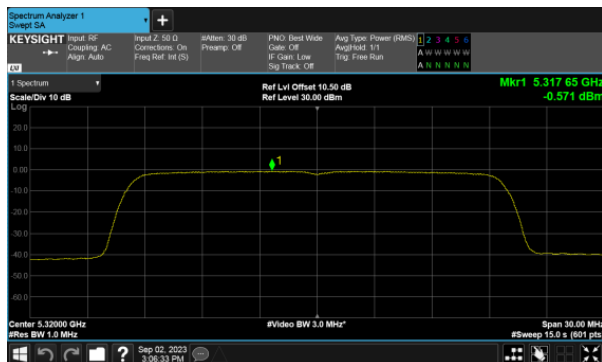


ANT B

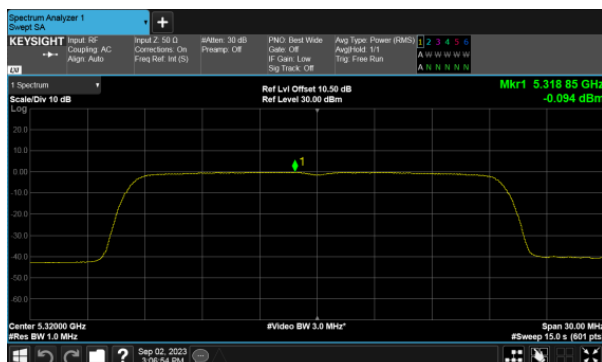




Modulation Type: 802.11ax HE20 CH64
ANT A

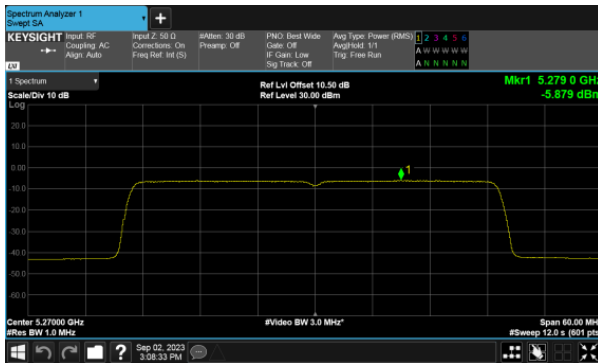


ANT B

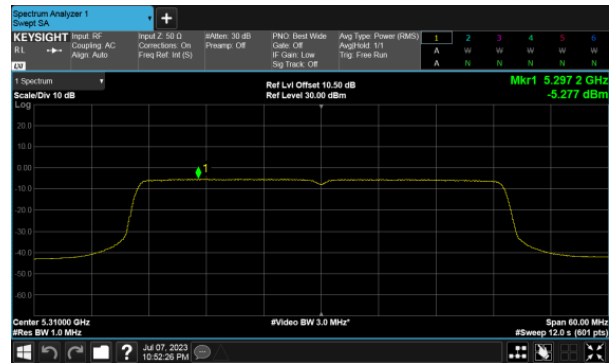




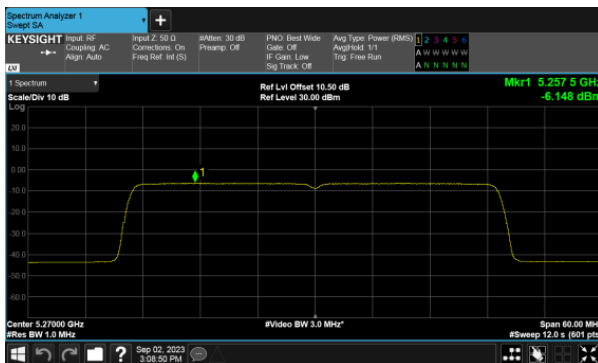
Modulation Type: 802.11ax HE40 CH54
ANT A



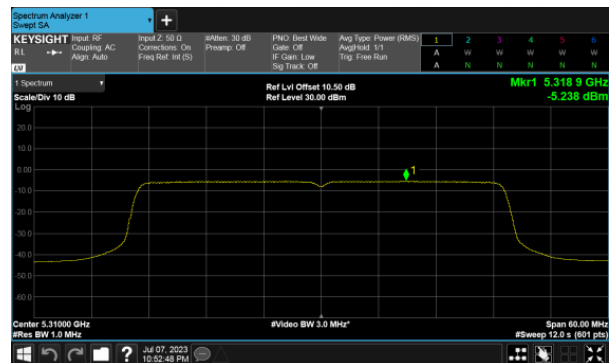
Modulation Type: 802.11ax HE40 CH62
ANT A



ANT B



ANT B





Modulation Type: 802.11ax HE80 CH58
ANT A



ANT B

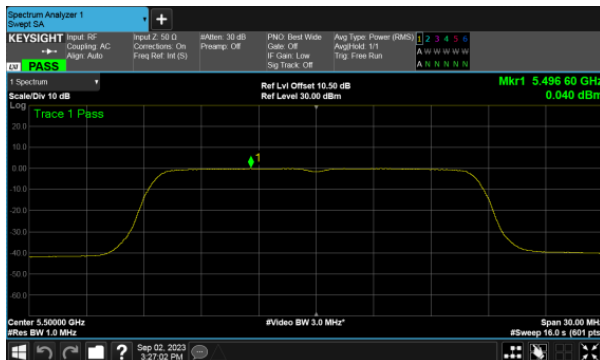




Band 3

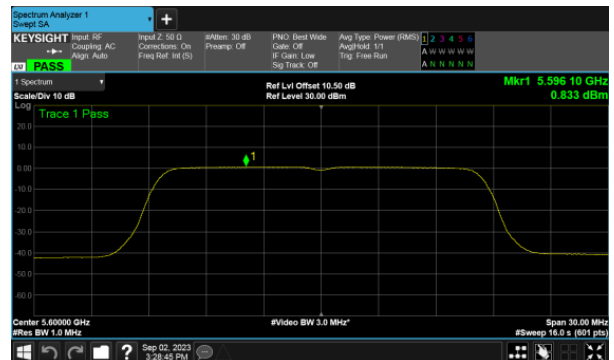
Modulation Type: 802.11a CH100

ANT A

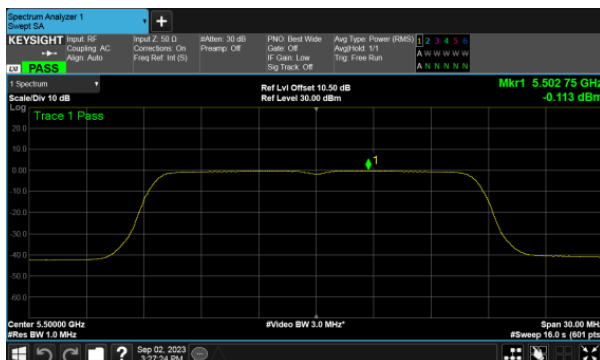


Modulation Type: 802.11a CH120

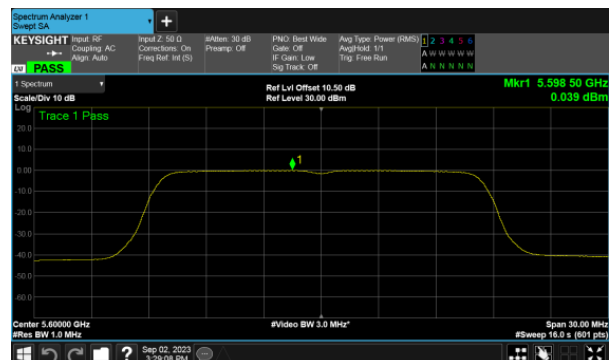
ANT A



ANT B



ANT B

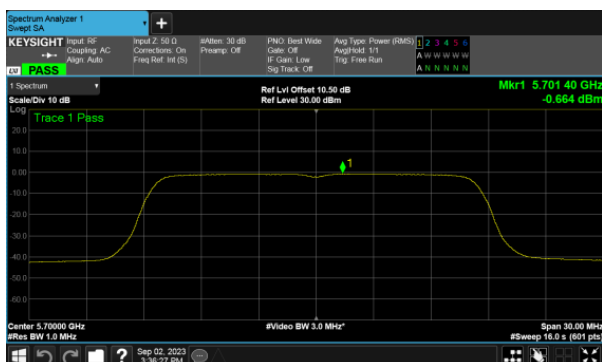




Modulation Type: 802.11a CH140
ANT A

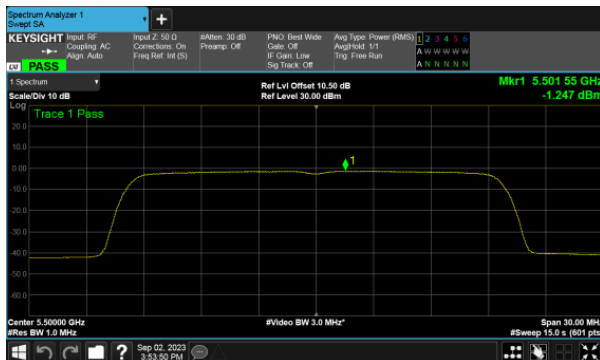


ANT B

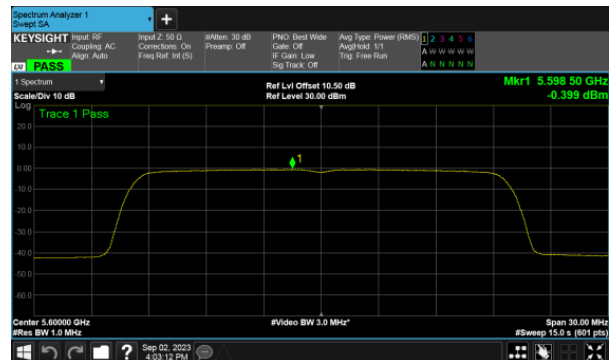




Modulation Type: 802.11ax HE20 CH100
ANT A



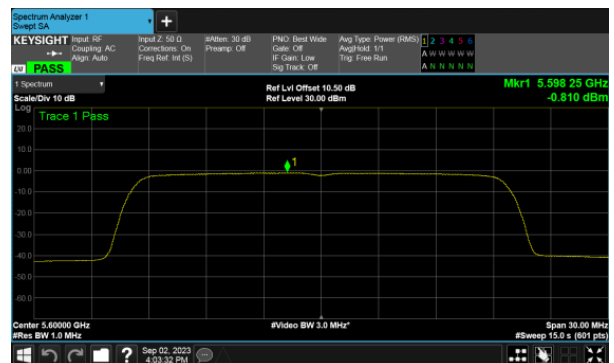
Modulation Type: 802.11ax HE20 CH120
ANT A



ANT B

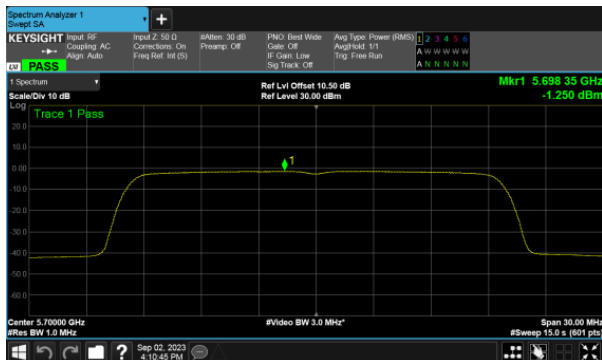


ANT B

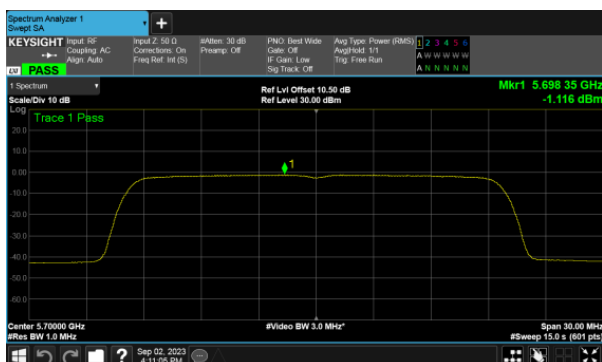




Modulation Type: 802.11ax HE20 CH140
ANT A

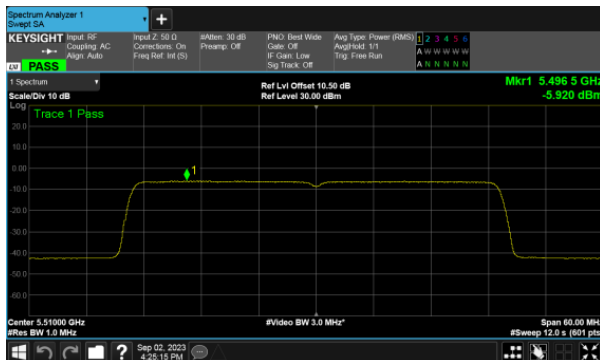


ANT B

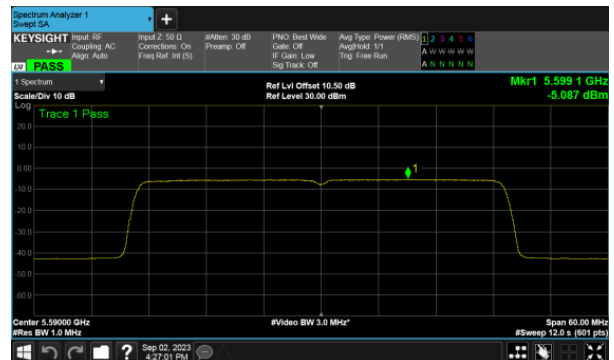




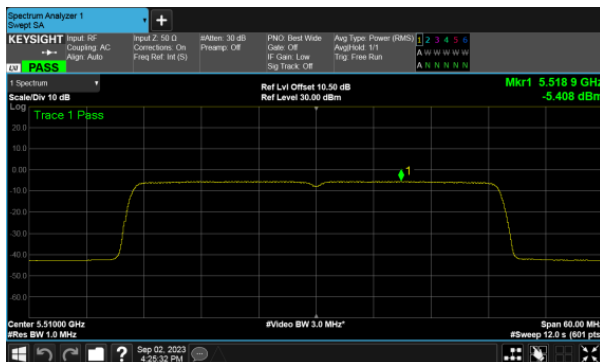
Modulation Type: 802.11ax HE40 CH102
ANT A



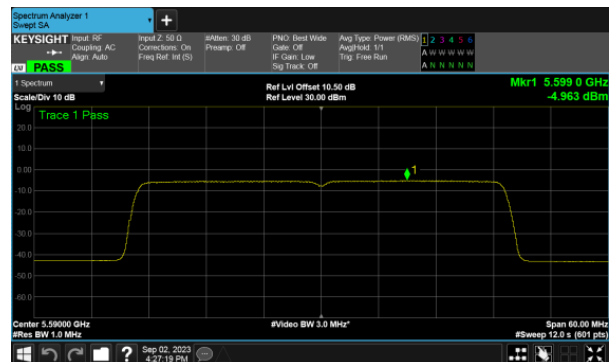
Modulation Type: 802.11ax HE40 CH118
ANT A



ANT B

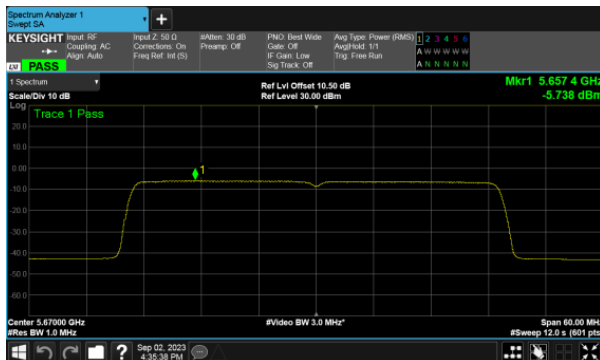


ANT B

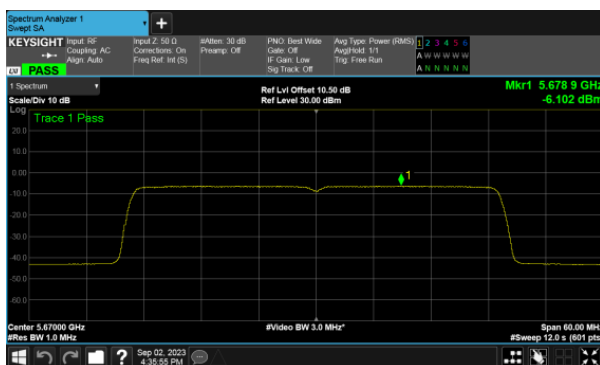




Modulation Type: 802.11ax HE40 CH134
ANT A

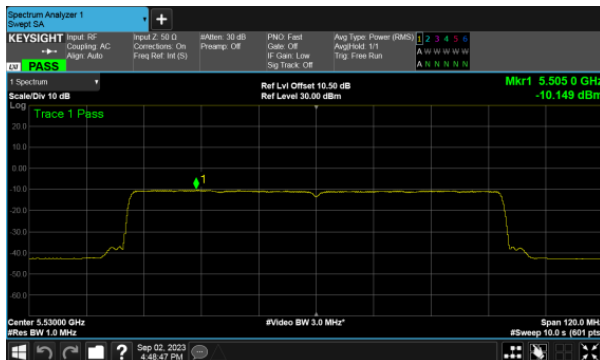


ANT B





Modulation Type: 802.11ax HE80 CH106
ANT A



Modulation Type: 802.11ax HE80 CH122
ANT A



ANT B



ANT B

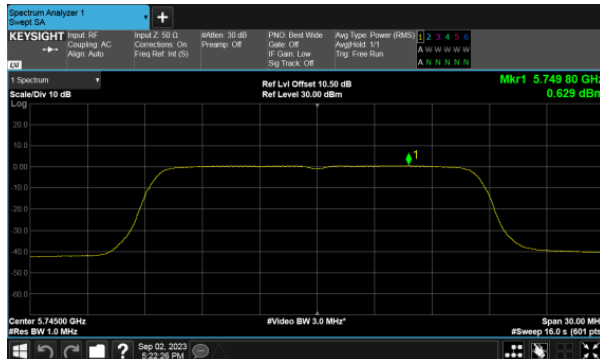




Band 4

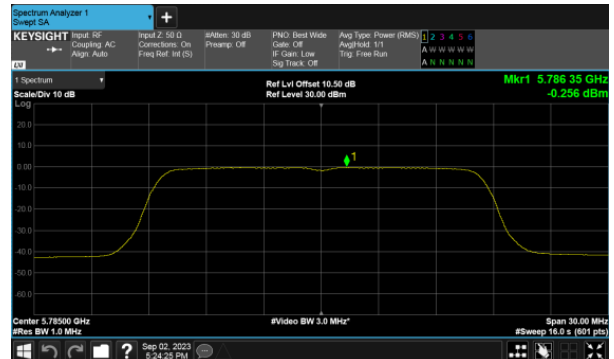
Modulation Type: 802.11a CH149

ANT A

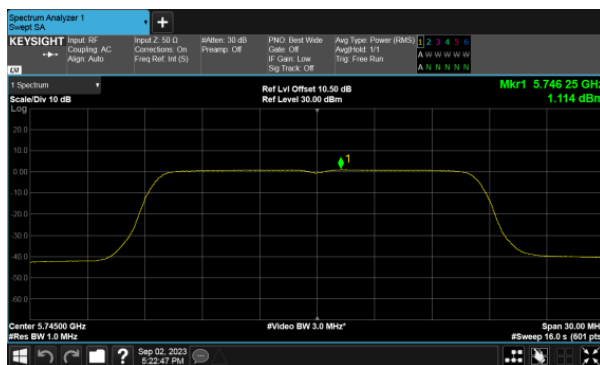


Modulation Type: 802.11a CH157

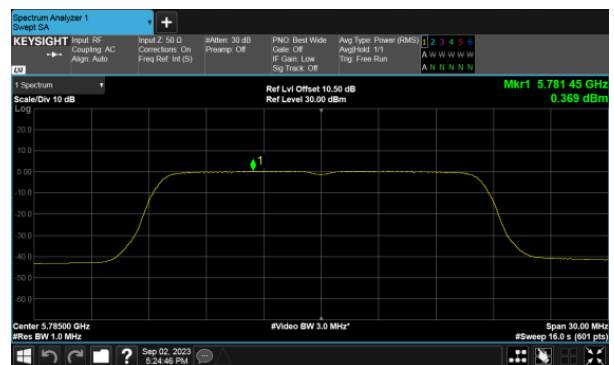
ANT A



ANT B



ANT B

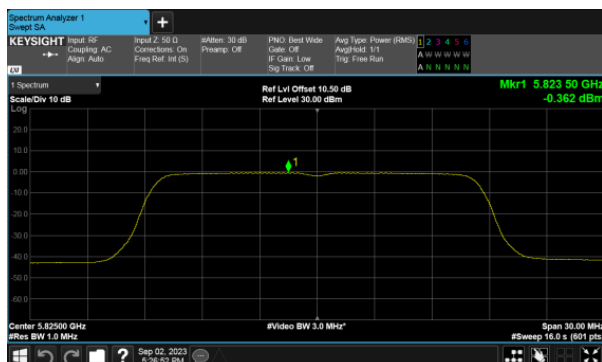




Modulation Type: 802.11a CH165
ANT A

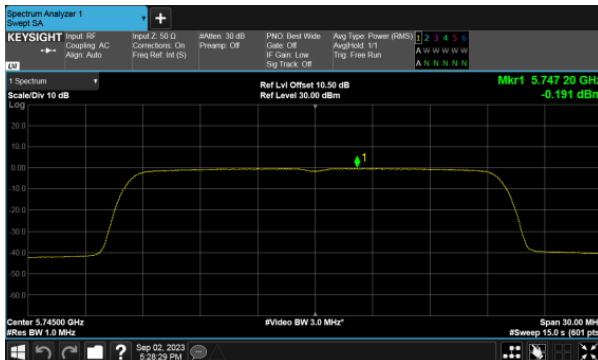


ANT B

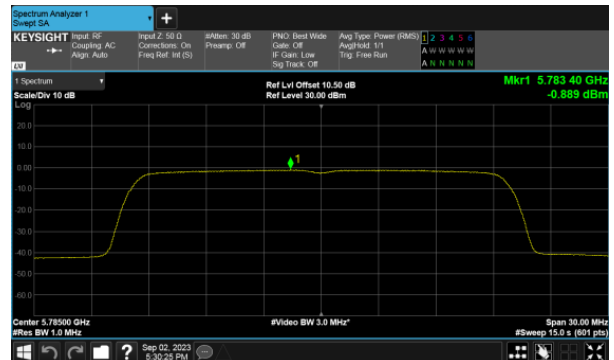




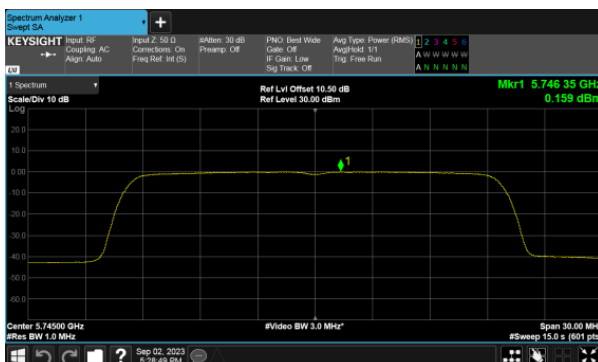
Modulation Type: 802.11ax HE20 CH149
ANT A



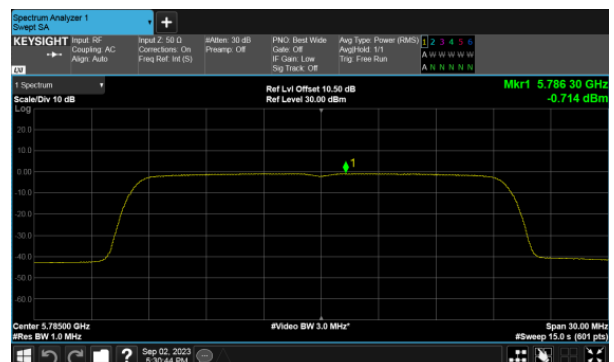
Modulation Type: 802.11ax HE20 CH157
ANT A



ANT B

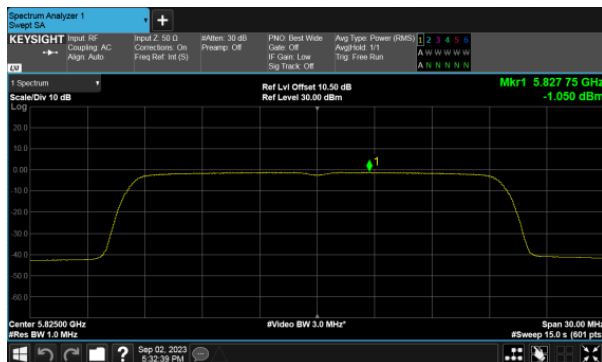


ANT B

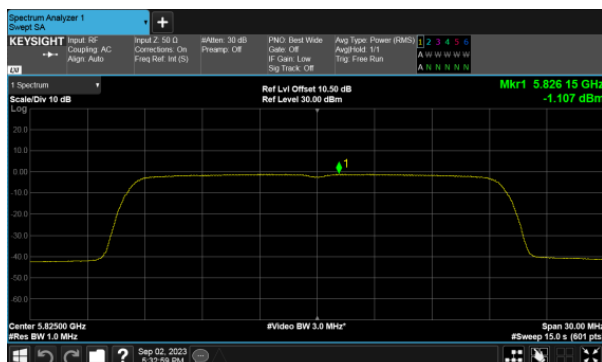




Modulation Type: 802.11ax HE20 CH165
ANT A

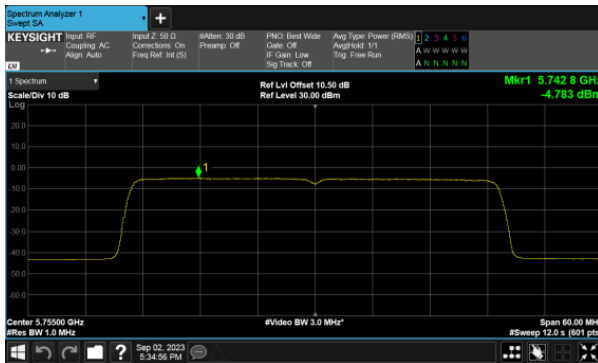


ANT B

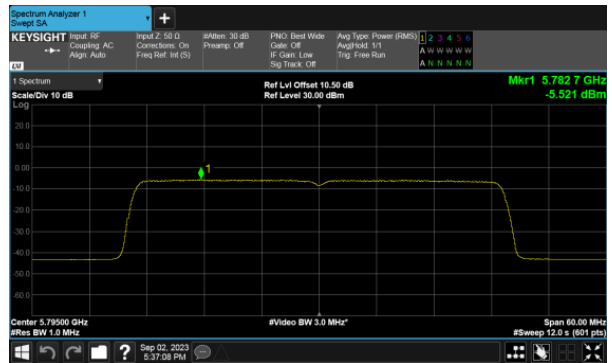




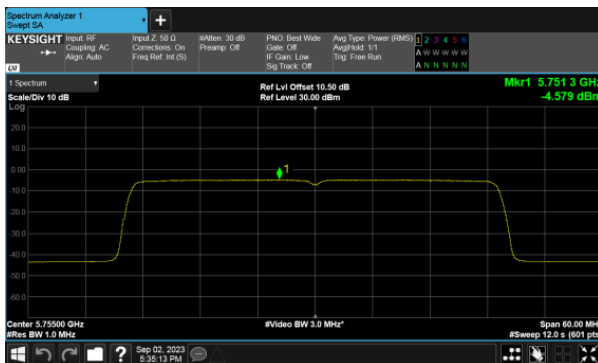
Modulation Type: 802.11ax HE40 CH151
ANT A



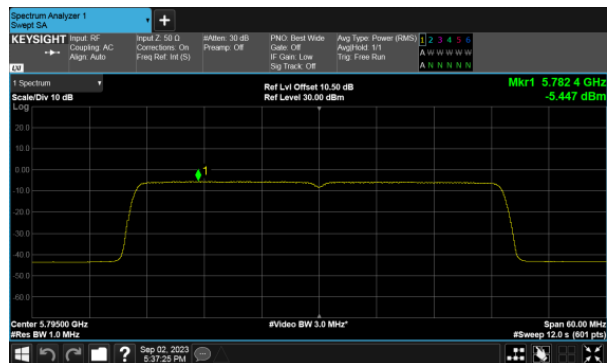
Modulation Type: 802.11ax HE40 CH159
ANT A



ANT B

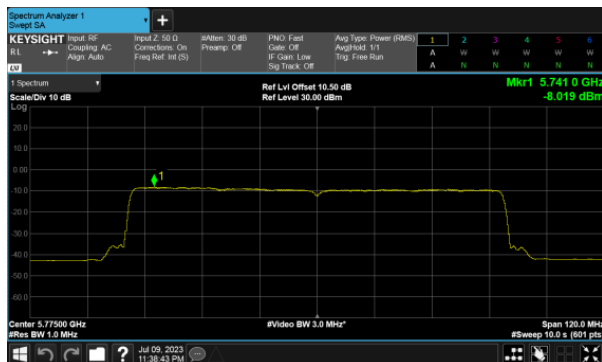


ANT B

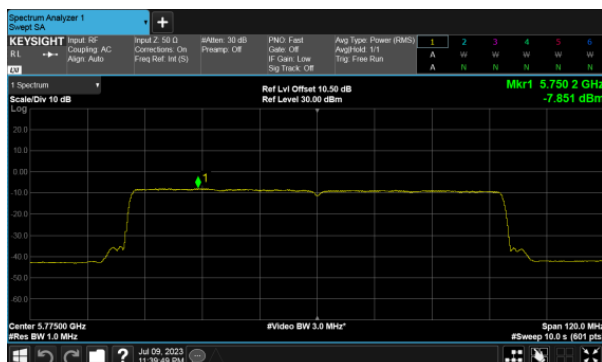




Modulation Type: 802.11ax HE80 CH155
ANT A

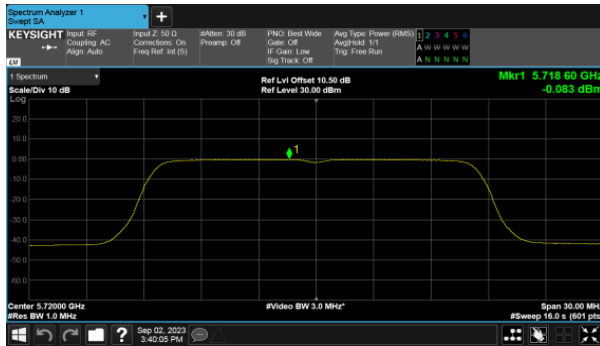


ANT B

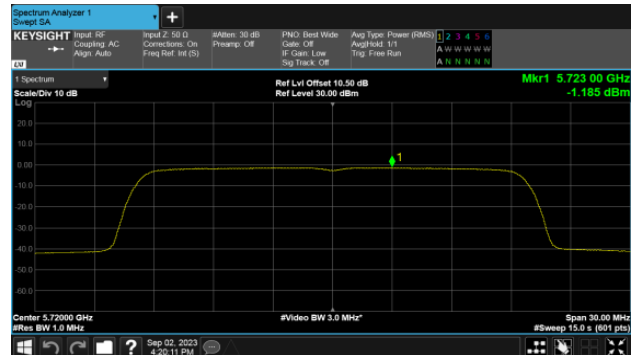




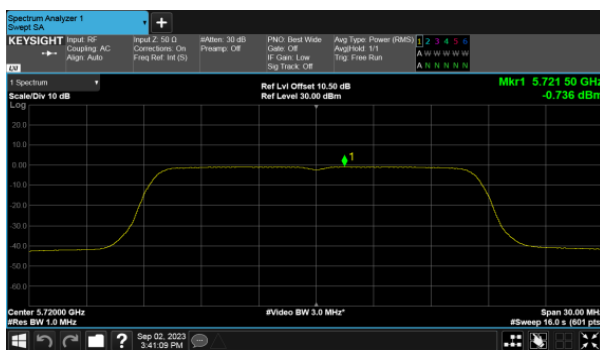
Straddle Channel
Modulation Type: 802.11a CH144
ANT A



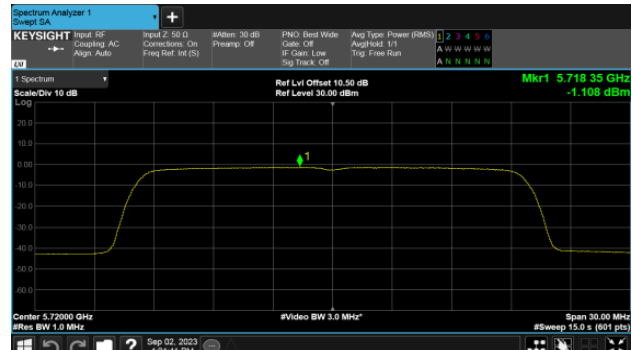
Modulation Type: 802.11ax HE20 CH144
ANT A



ANT B

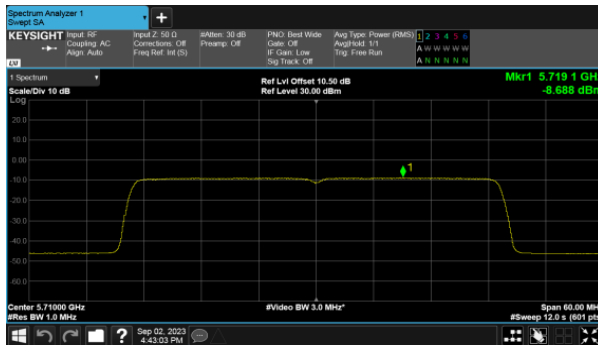


ANT B

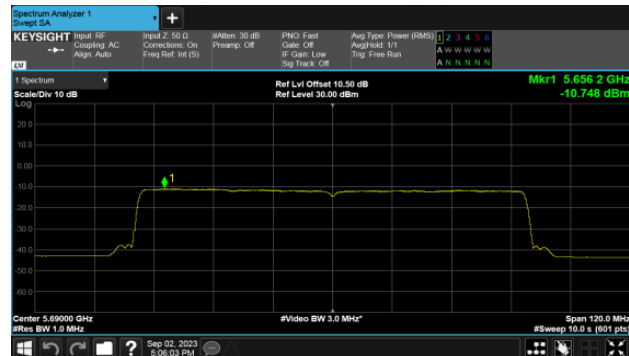




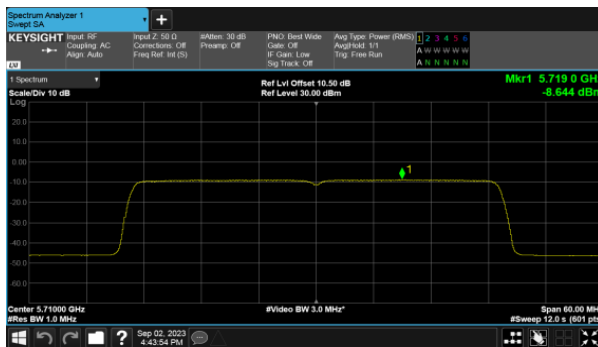
Modulation Type: 802.11ax HE40 CH142
ANT A



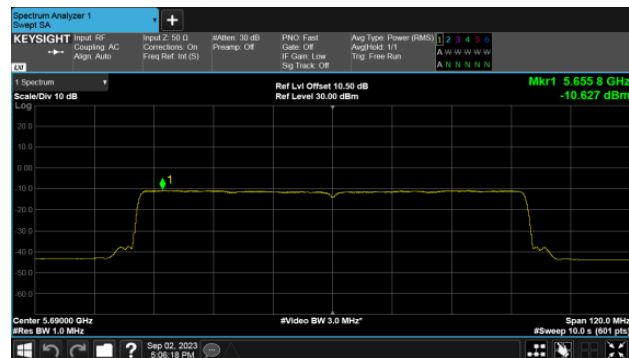
Modulation Type: 802.11ax HE80 CH138
ANT A



ANT B

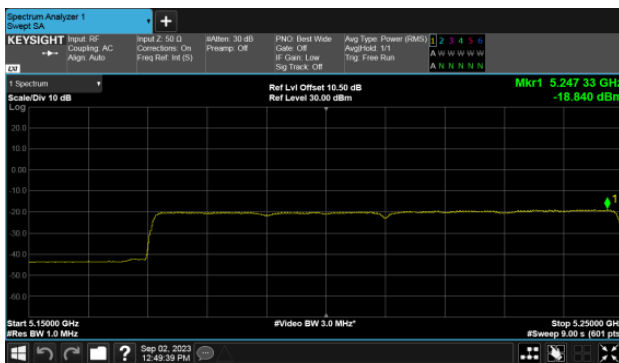


ANT B

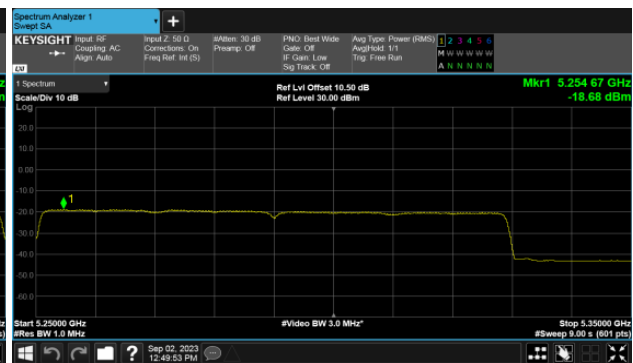




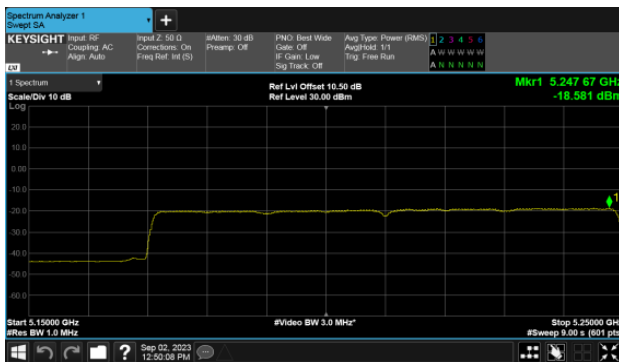
Modulation Type: 802.11ax HE160 CH50
ANT A



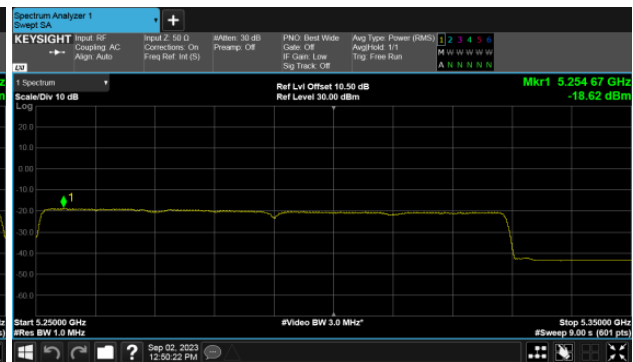
Modulation Type: 802.11ax HE160 CH50
ANT A



ANT B



ANT B

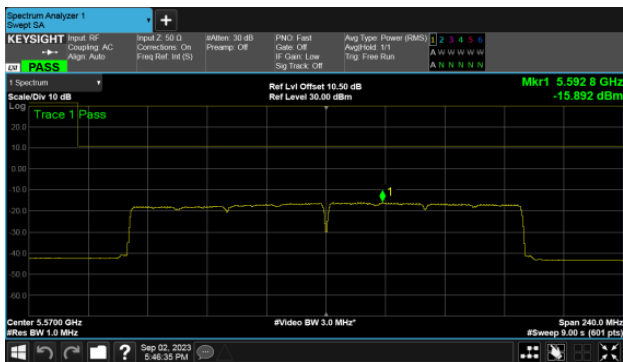




Modulation Type: 802.11ax HE160 CH114
ANT A



ANT B



-----THE END OF REPORT-----