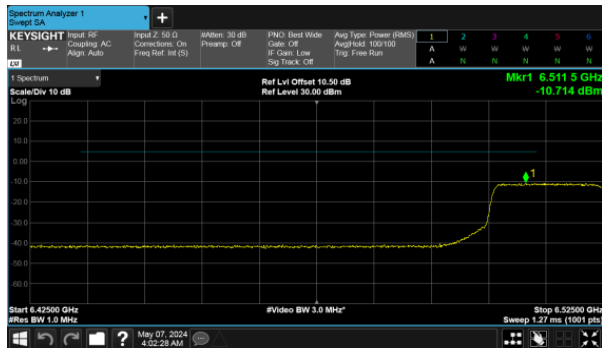
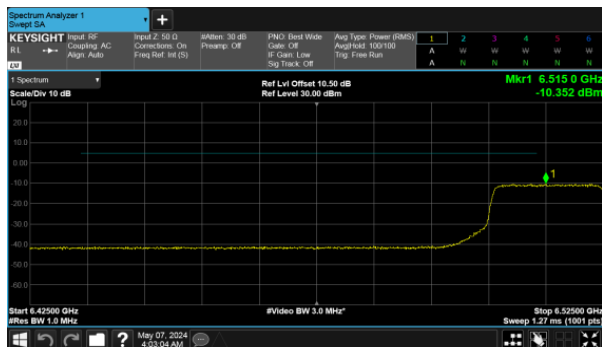




Within 6525-6875MHz band Straddle Channel
Modulation Type: 802.11ax HE40 CH115
ANT A

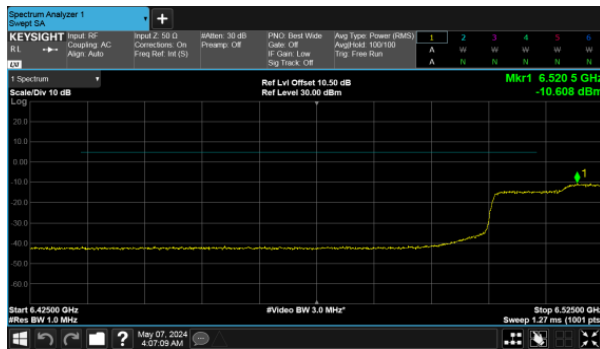


ANT B

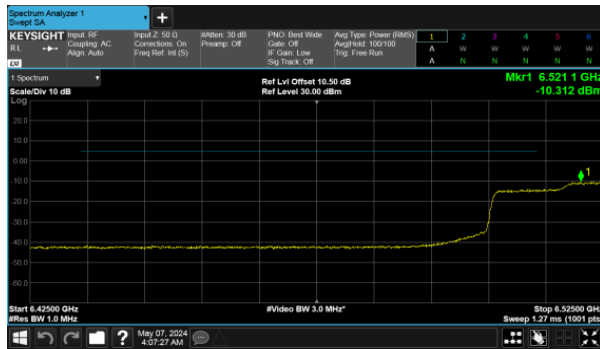




Modulation Type: 802.11ax HE80 CH119
ANT A

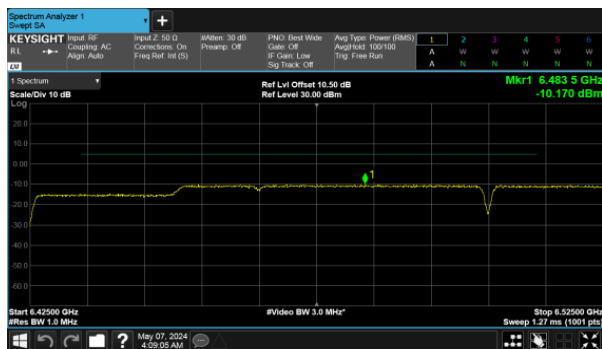


ANT B

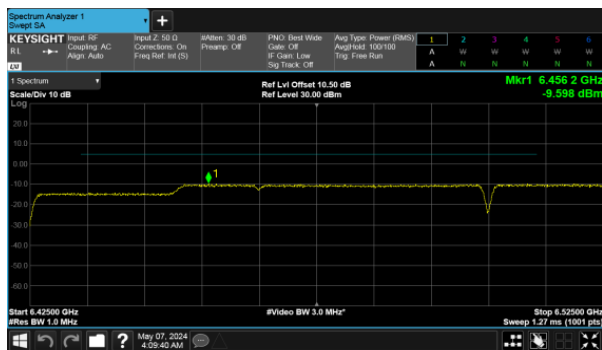


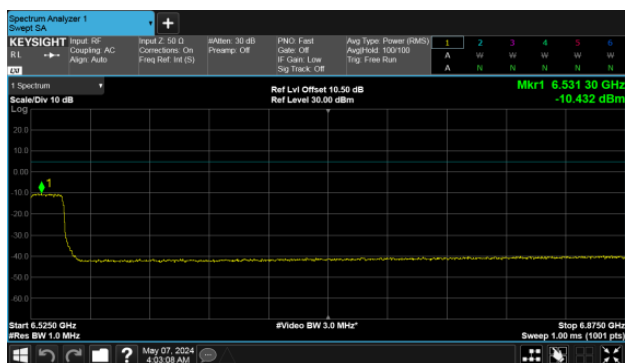


Modulation Type: 802.11ax HE160 CH111
ANT A



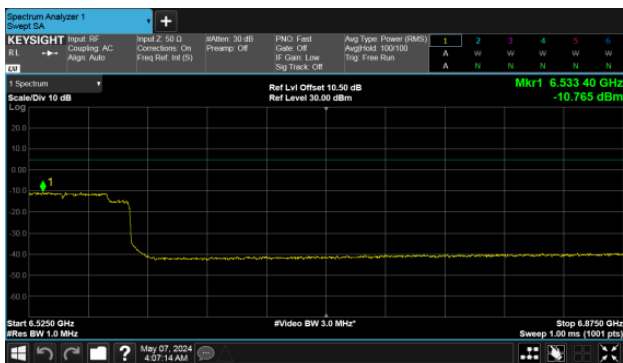
ANT B



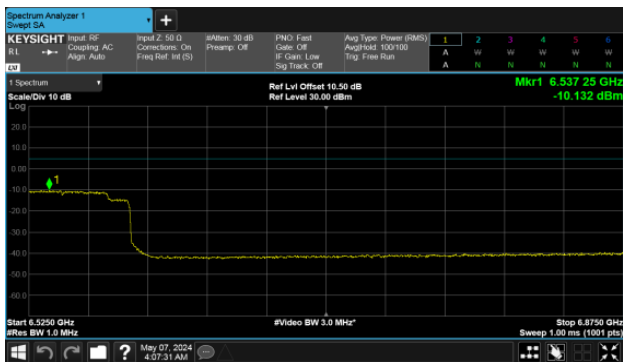




Modulation Type: 802.11ax HE80 CH119
ANT A

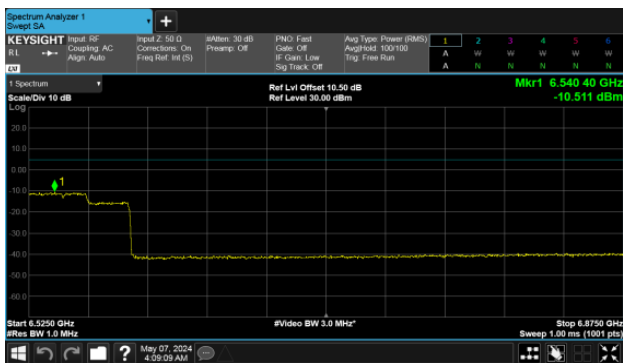


ANT B

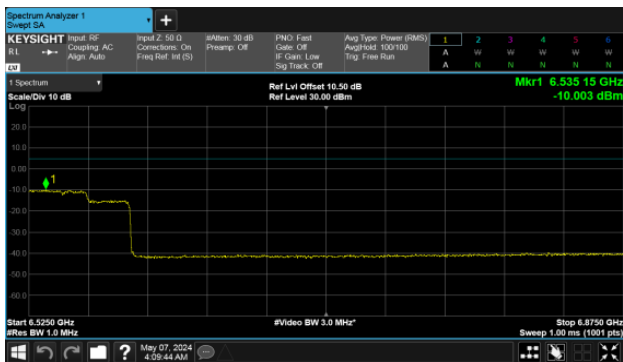




Modulation Type: 802.11ax HE160 CH111
ANT A

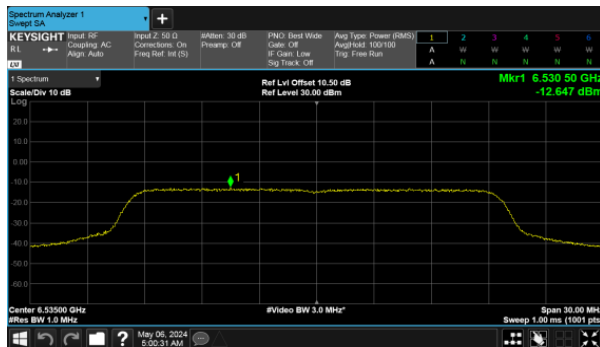
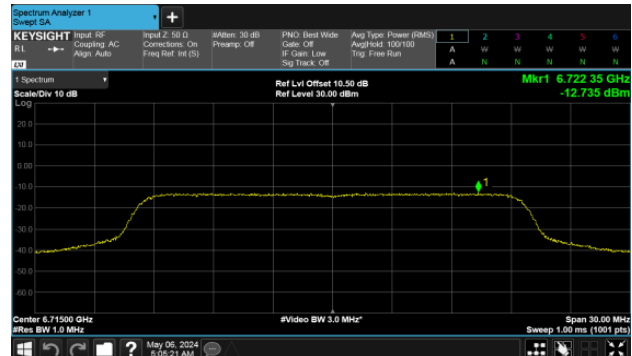


ANT B

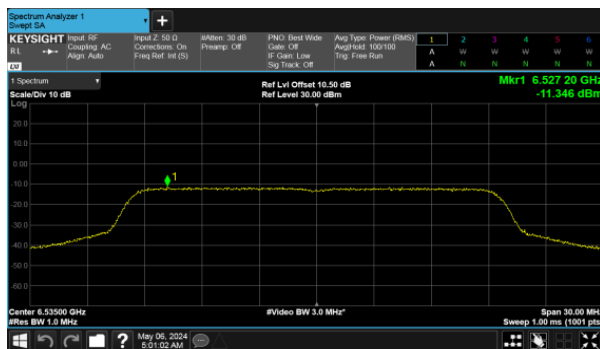




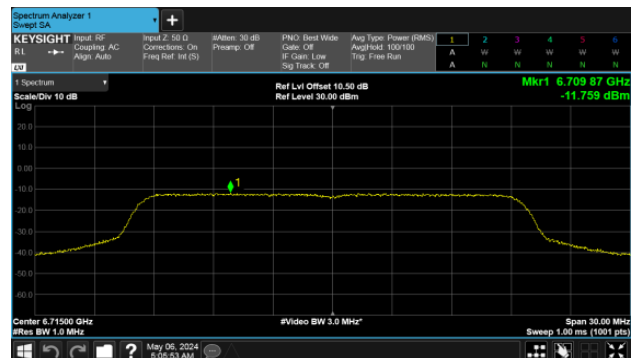
U-NII-7

Modulation Type: 802.11ax HE20 CH117
ANT AModulation Type: 802.11ax HE20 CH153
ANT A

ANT B

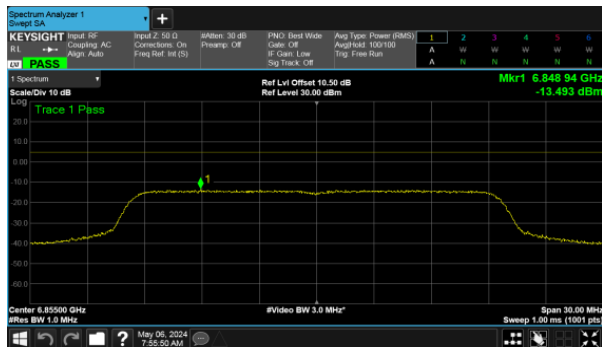


ANT B

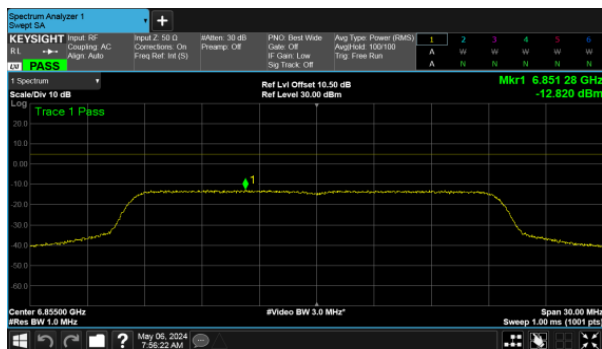




Modulation Type: 802.11ax HE20 CH181
ANT A

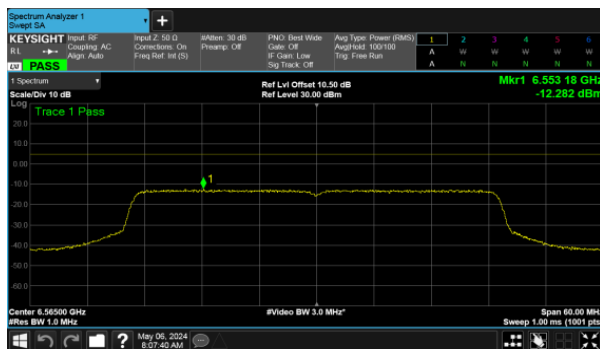


ANT B

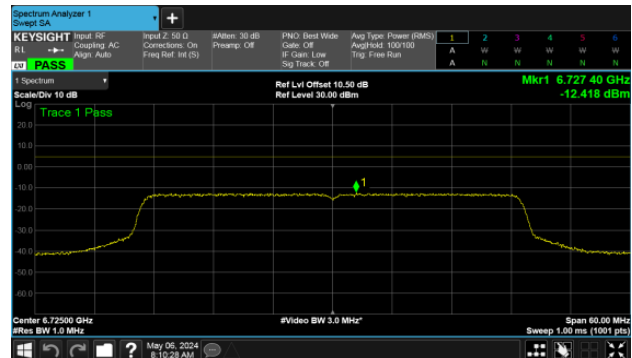




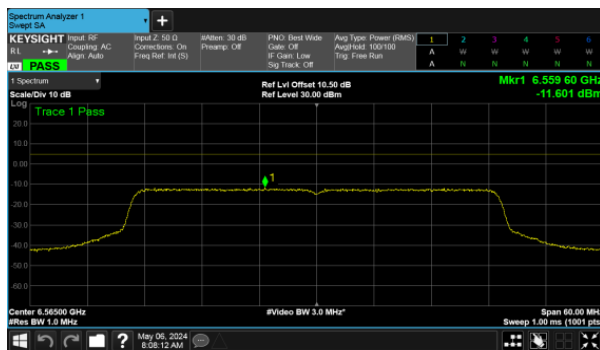
Modulation Type: 802.11ax HE40 CH123
ANT A



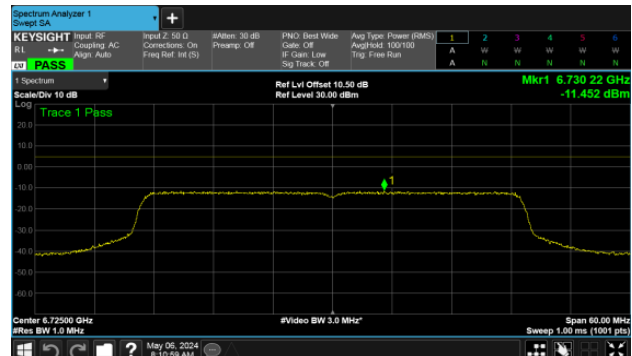
Modulation Type: 802.11ax HE40 CH155
ANT A



ANT B

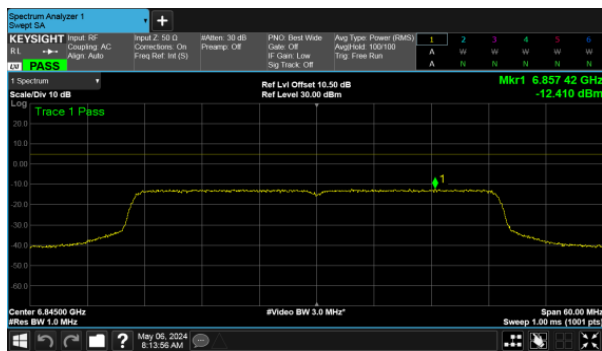


ANT B

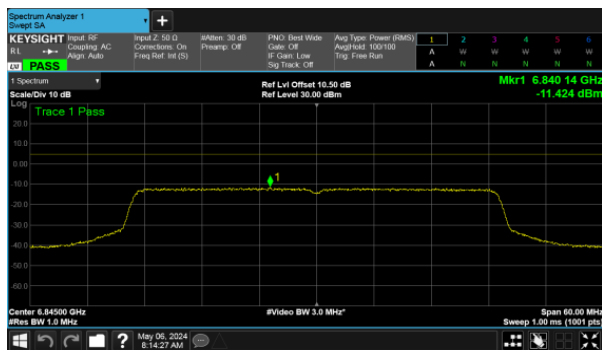




Modulation Type: 802.11ax HE40 CH179
ANT A

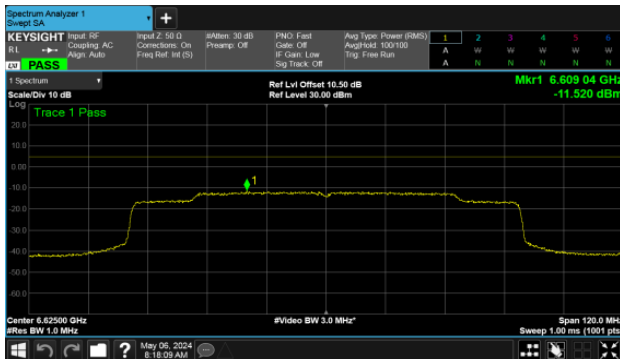


ANT B

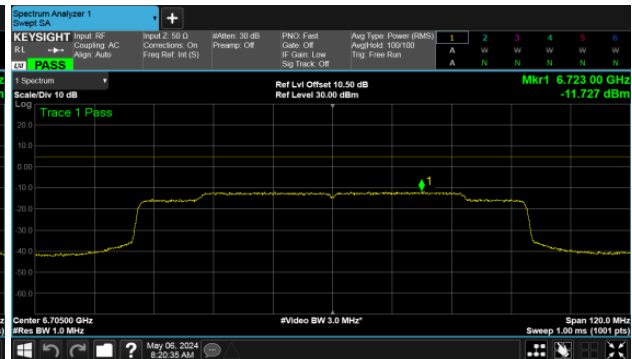




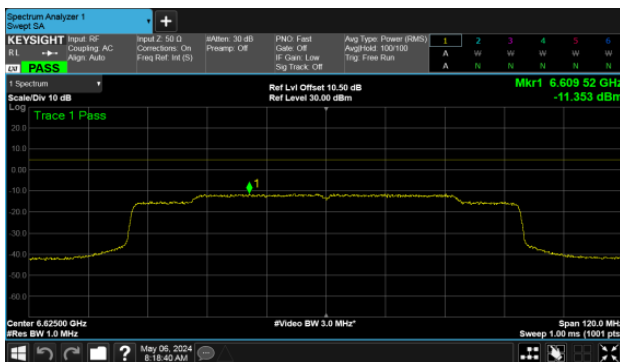
Modulation Type: 802.11ax HE80 CH135
ANT A



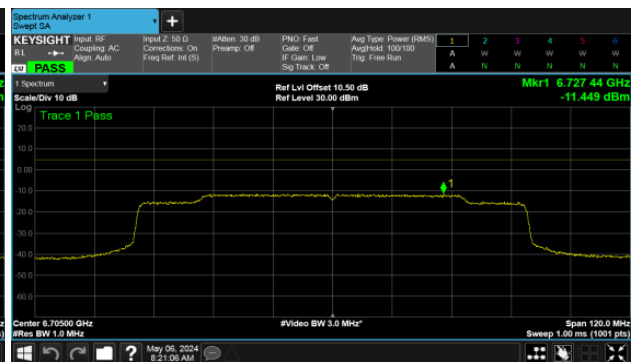
Modulation Type: 802.11ax HE80 CH151
ANT A



ANT B

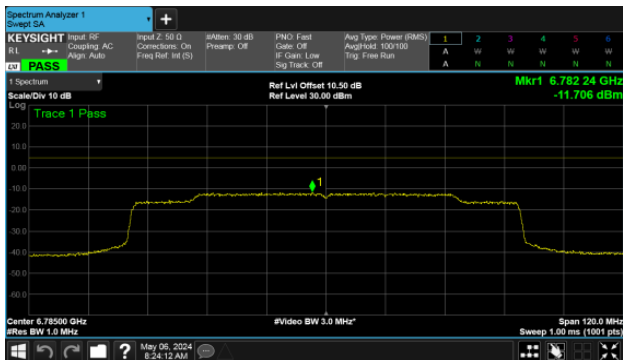


ANT B

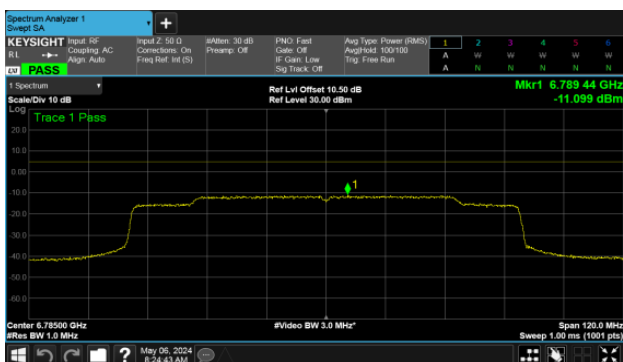




Modulation Type: 802.11ax HE80 CH167
ANT A

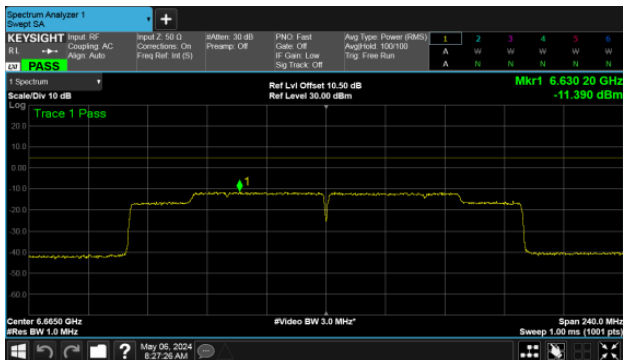


ANT B

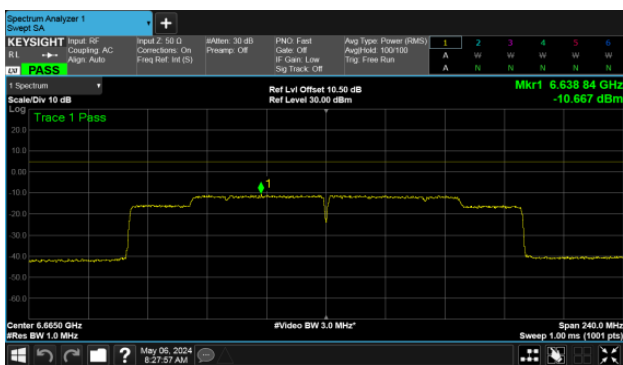




Modulation Type: 802.11ax HE160 CH143
ANT A

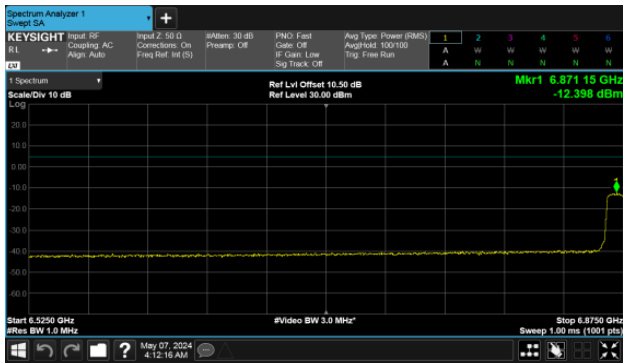


ANT B

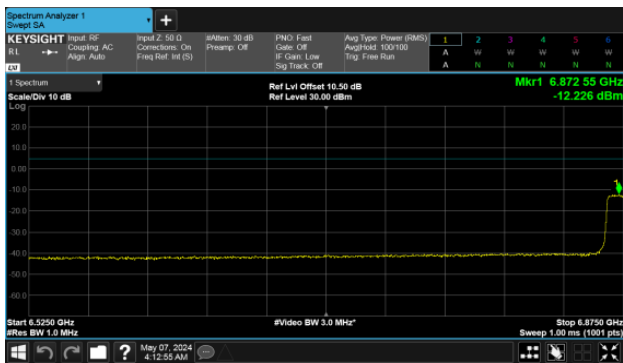




Within 6525-6875MHz band Straddle Channel
Modulation Type: 802.11ax HE20 CH185
ANT A

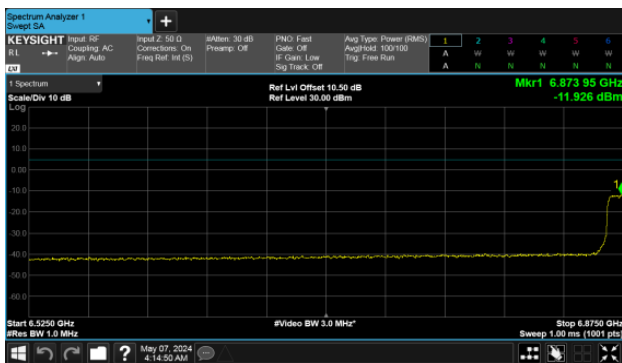


ANT B

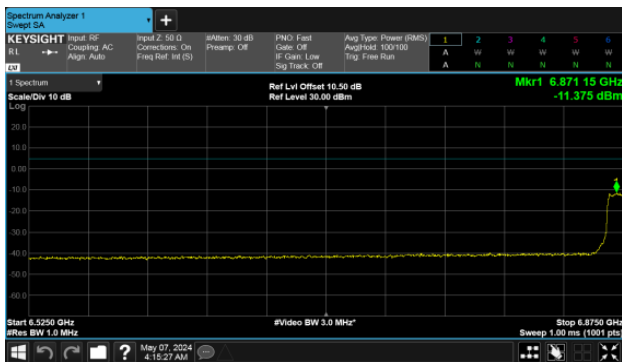




Modulation Type: 802.11ax HE40 CH187
ANT A

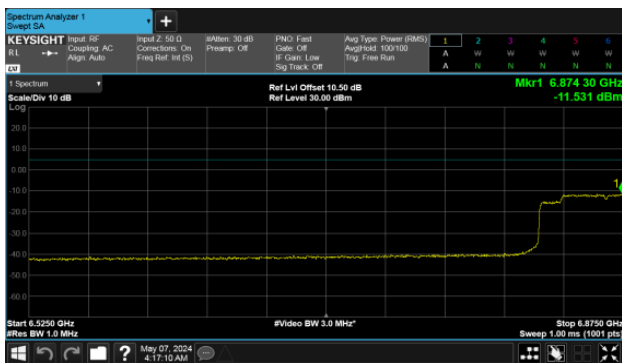


ANT B

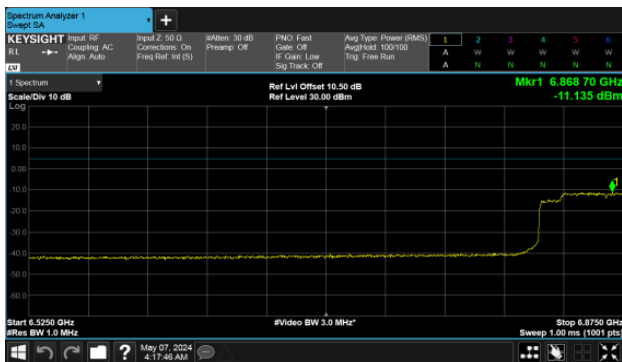




Modulation Type: 802.11ax HE80 CH183
ANT A



ANT B

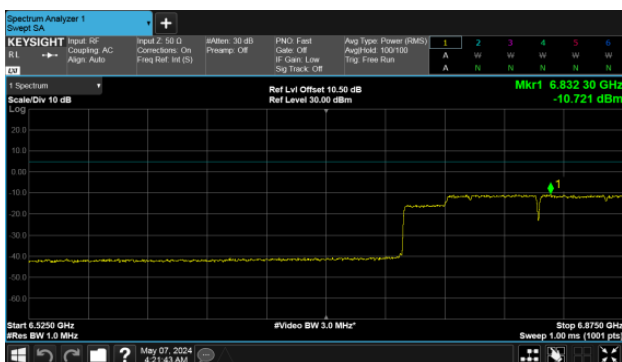


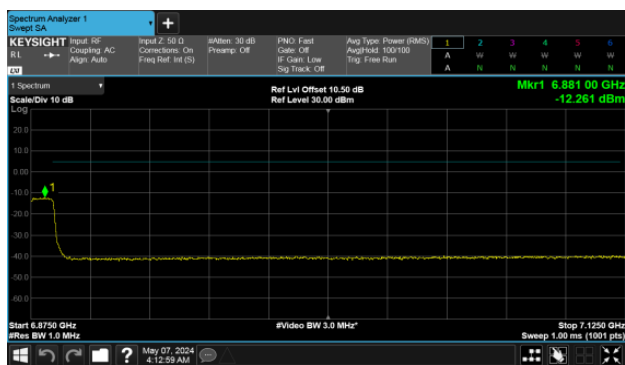


Modulation Type: 802.11ax HE160 CH175
ANT A



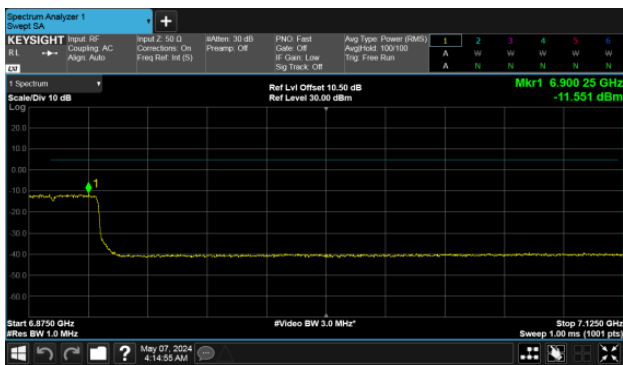
ANT B



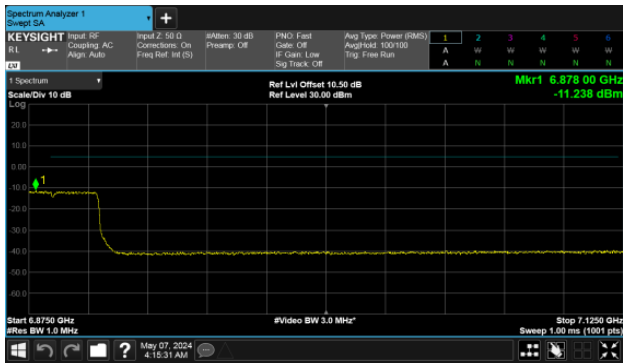




Modulation Type: 802.11ax HE40 CH187
ANT A

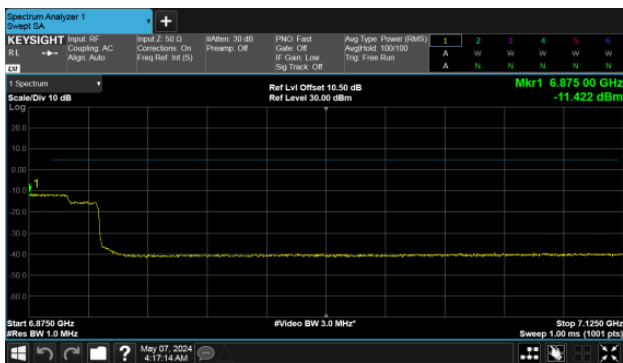


ANT B

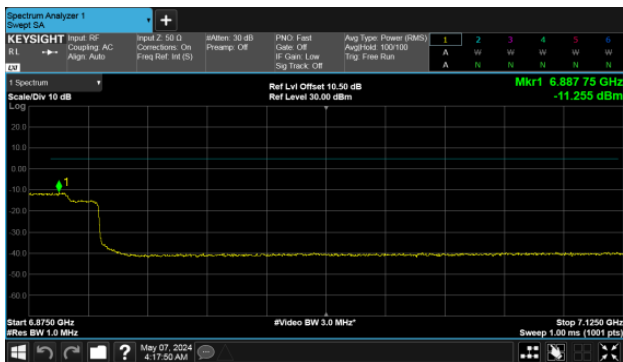




Modulation Type: 802.11ax HE80 CH183
ANT A

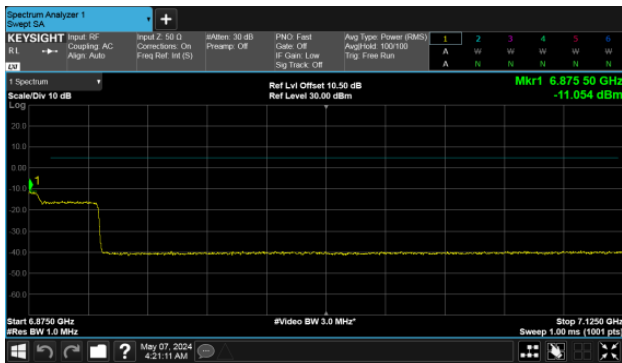


ANT B

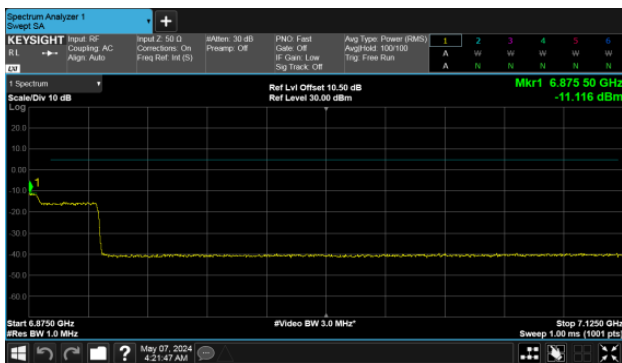




Modulation Type: 802.11ax HE160 CH175
ANT A



ANT B

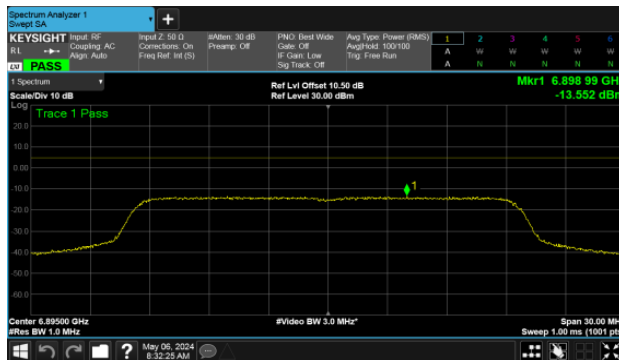




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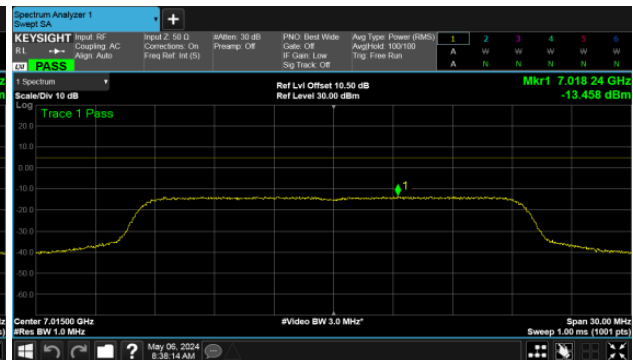
Modulation Type: 802.11ax HE20 CH189

ANT A

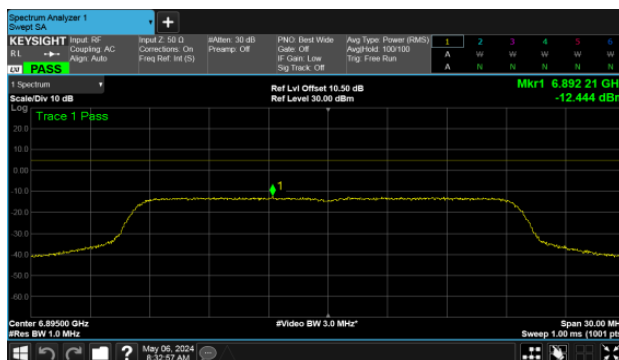


Modulation Type: 802.11ax HE20 CH213

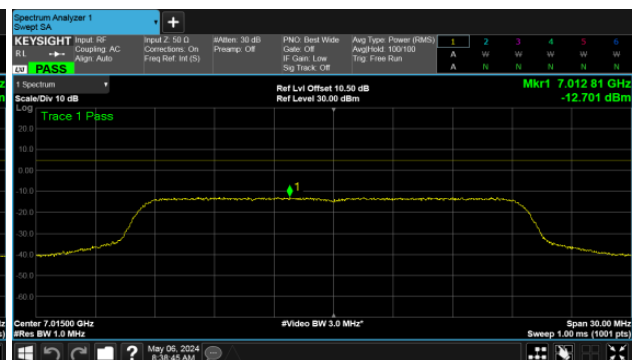
ANT A



ANT B

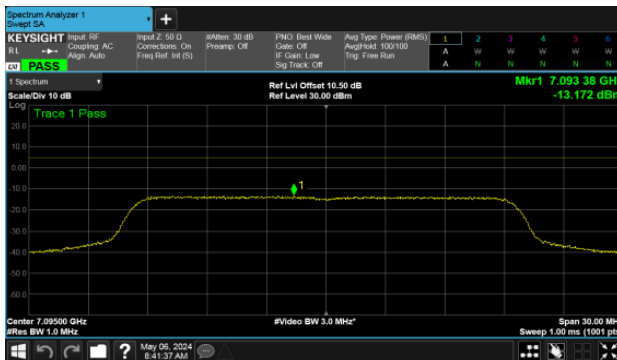


ANT B

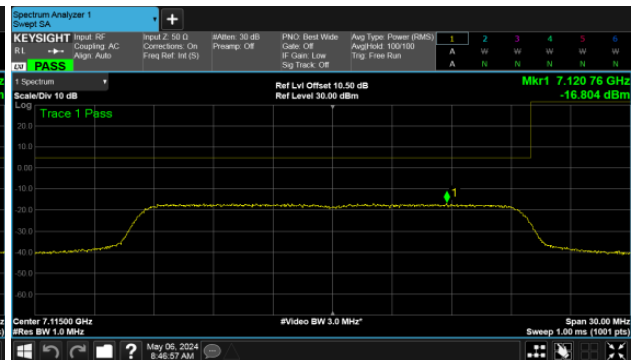




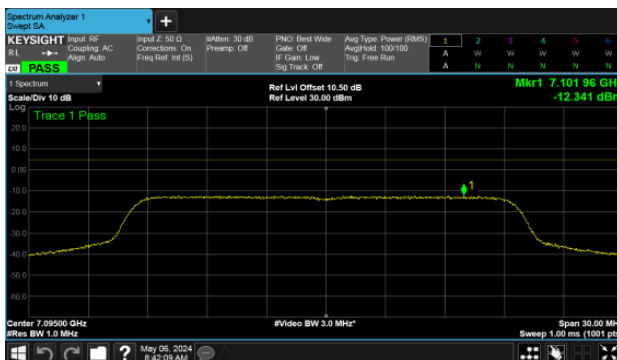
Modulation Type: 802.11ax HE20 CH229
ANT A



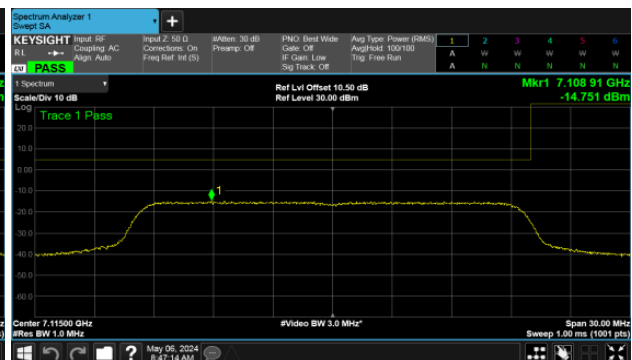
Modulation Type: 802.11ax HE20 CH233
ANT A



ANT B

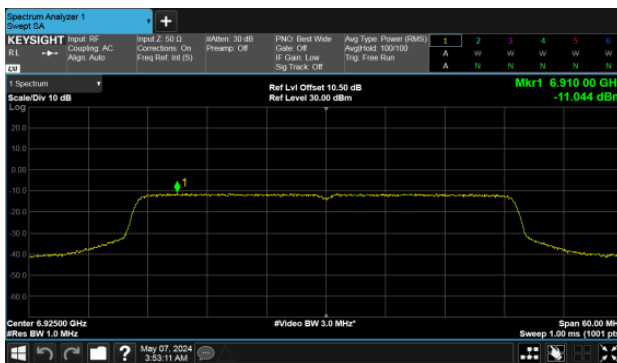


ANT B

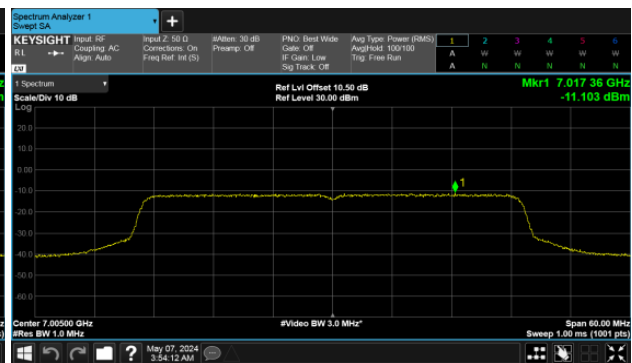




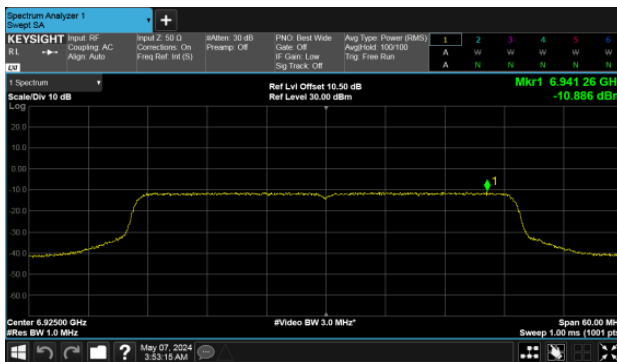
Modulation Type: 802.11ax HE40 CH195
ANT A



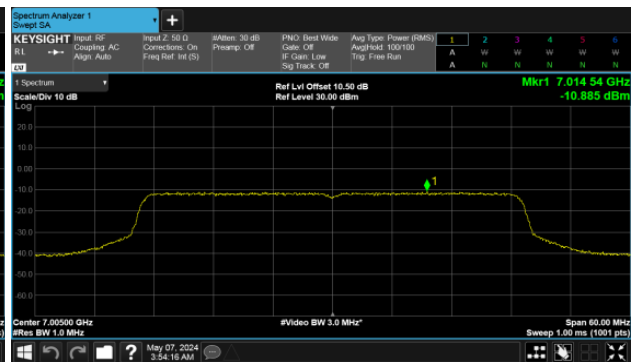
Modulation Type: 802.11ax HE40 CH211
ANT A



ANT B

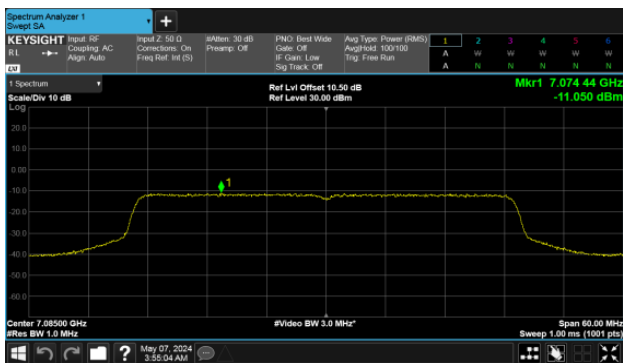


ANT B

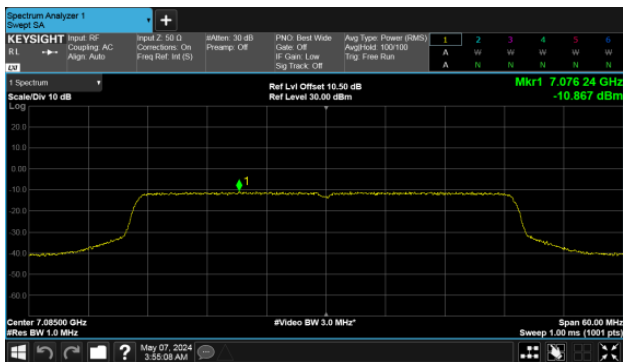




Modulation Type: 802.11ax HE40 CH227
ANT A

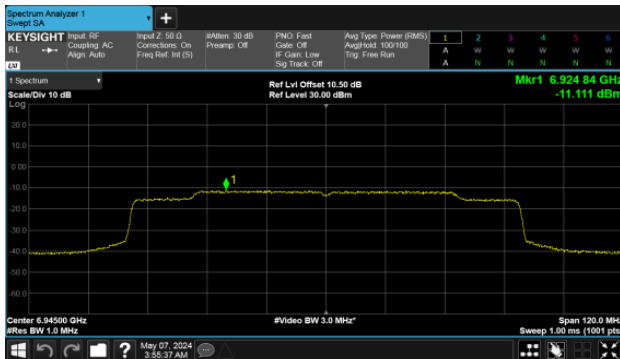


ANT B

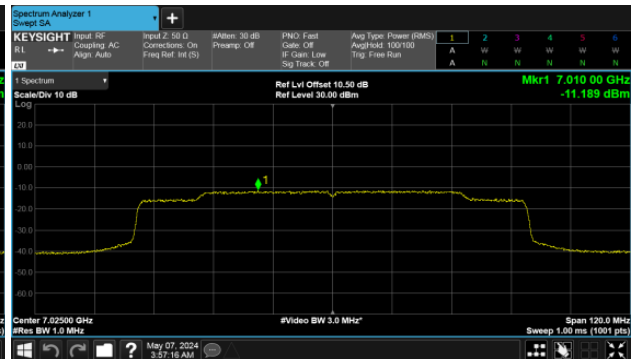




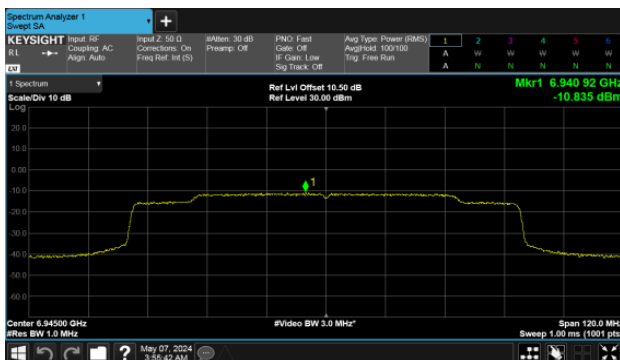
Modulation Type: 802.11ax HE80 CH199
ANT A



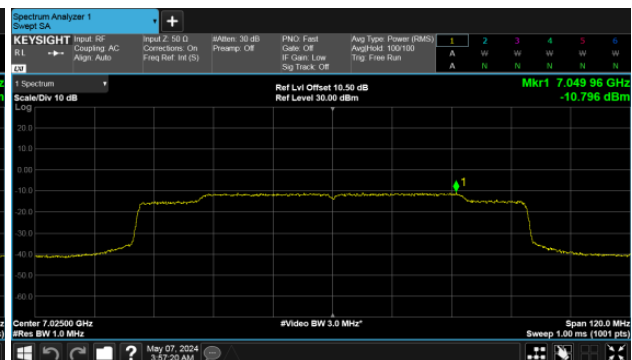
Modulation Type: 802.11ax HE80 CH215
ANT A



ANT B

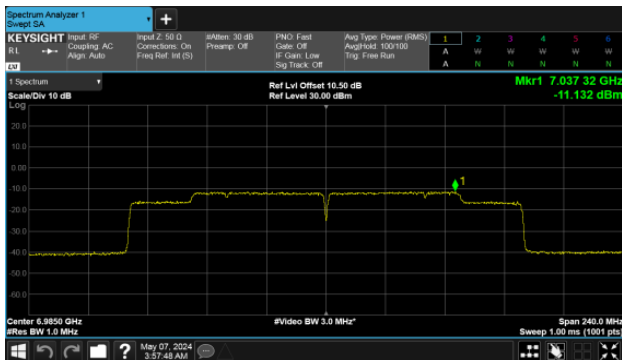


ANT B

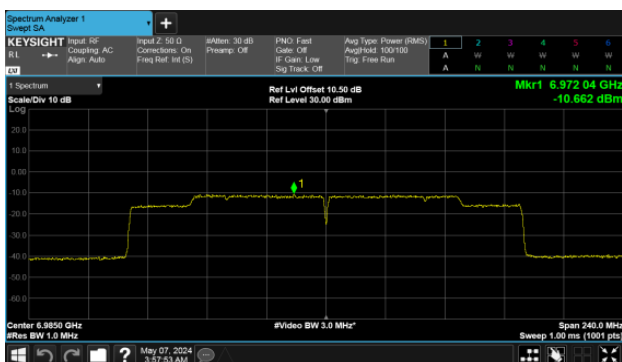




Modulation Type: 802.11ax HE160 CH207
ANT A



ANT B





11. Contention Based Protocol

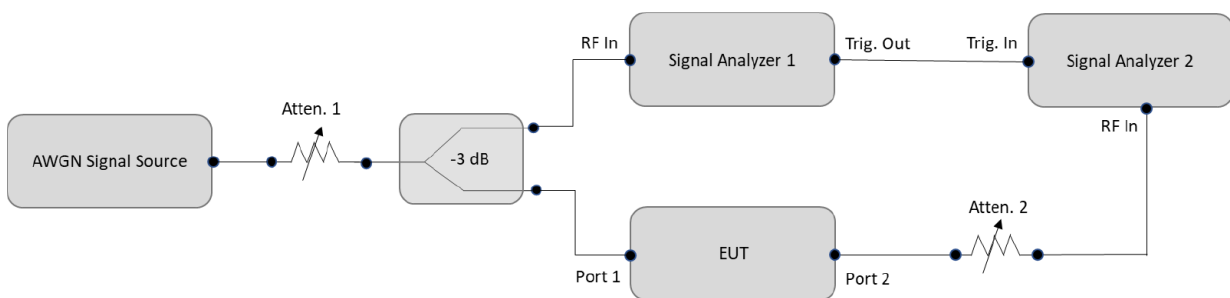
11.1. Test Limit

EUT can detect an AWGN signal with 90% (or better) level of certainty.

11.2. Test Procedure

Reference to KDB 987594 D02 U-NII 6 GHz EMC Measurement v01

11.3. Test Setup Layout



**11.4.Test Result and Data**

Contention Based Protocol Measurement											
U-NII-5 Band		Measurement Mode :			Conducted measurement(dBm)			at the antenna connector			
		Device Type :			Indoor Client			Antenna Gain :	1.17	dBi	
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Threshold Level (dBm)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
U-NII 5	802.11ax	20MHz	-77.47	33	6115	6115	10	10	100.00%	90%	Pass
		160MHz	-77.22	47	6185	6110	10	9	90.00%	90%	Pass
			-75.2			6185	10	9	90.00%	90%	Pass
			-74.26			6260	10	9	90.00%	90%	Pass

Lowest Interference (AWGN) Level Check										
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected(AWGN) power (dBm)	Antenna Gain (dBi)	Threshold Level (dBm)	Detection Limit (dBm)	EUT TX Status
U-NII 5	802.11ax	20MHz	33	6115	6115	-76.03	1.17	-77.47	-62	Ceased
						-77.03		-78.47	-62	Minimal
						-78.03		-79.47	-62	Normal
		160MHz	47	6185	6110	-76.05	1.17	-77.22	-62	Ceased
						-77.05		-78.22	-62	Minimal
						-78.05		-79.22	-62	Normal
					6185	-74.03	1.17	-75.2	-62	Ceased
						-75.03		-76.2	-62	Minimal
						-76.03		-77.2	-62	Normal
					6260	-73.09	1.17	-74.26	-62	Ceased
						-74.09		-75.26	-62	Minimal
						-75.09		-76.26	-62	Normal



Contention Based Protocol Measurement											
U-NII-6 Band		Measurement Mode :			Conducted measurement(dBm)			at the antenna connector			
		Device Type :			Indoor Client			Antenna Gain :		1.17	dBi
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Threshold Level (dBm)	Channel Number	Channel Frequency (MHz)	Test Result					
						AWGN Signal Frequency (MHz)	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
U-NII 6	802.11ax	20MHz	-78.25	97	6435	6435	10	10	100.00%	90%	Pass
		160MHz	-78.26	111	6505	6430	10	9	90.00%	90%	Pass
			-75.19			6505	10	9	90.00%	90%	Pass
			-75.22			6580	10	10	100.00%	90%	Pass

Lowest Interference (AWGN) Level Check										
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected(AWGN) power (dBm)	Antenna Gain (dBi)	Threshold Level (dBm)	Detection Limit (dBm)	EUT TX Status
U-NII 6	802.11ax	20MHz	97	6435	6435	-77.08	1.17	-78.25	-62	Ceased
						-78.08		-79.25	-62	Minimal
						-79.08		-80.25	-62	Normal
		160MHz	111	6505	6430	-77.09	1.17	-78.26	-62	Ceased
						-78.09		-79.26	-62	Minimal
						-79.09		-80.26	-62	Normal
					6505	-74.02	1.17	-75.19	-62	Ceased
						-75.02		-76.19	-62	Minimal
						-76.02		-77.19	-62	Normal
					6580	-74.05	1.17	-75.22	-62	Ceased
						-75.05		-76.22	-62	Minimal
						-76.05		-77.22	-62	Normal



Contention Based Protocol Measurement											
U-NII-7 Band		Measurement Mode :			Conducted measurement(dBm)			at the antenna connector			
		Device Type :			Indoor Client			Antenna Gain :		1.17	dBi
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Threshold Level (dBm)	Channel Number	Channel Frequency (MHz)	Test Result					
						AWGN Signal Frequency (MHz)	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
U-NII 7	802.11ax	20MHz	-77.26	153	6715	6715	10	10	100.00%	90%	Pass
		160MHz	-76.18	143	6665	6590	10	9	90.00%	90%	Pass
			-75.19			6665	10	10	100.00%	90%	Pass
			-82.19			6740	10	9	90.00%	90%	Pass

Lowest Interference (AWGN) Level Check										
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected(AWGN) power (dBm)	Antenna Gain (dBi)	Threshold Level (dBm)	Detection Limit (dBm)	EUT TX Status
U-NII 7	802.11ax	20MHz	153	6715	6715	-76.09	1.17	-77.26	-62	Ceased
						-77.09		-78.26	-62	Minimal
						-78.09		-79.26	-62	Normal
		160MHz	143	6665	6590	-75.01	1.17	-76.18	-62	Ceased
						-76.01		-77.18	-62	Minimal
						-77.01		-78.18	-62	Normal
					6665	-74.02	1.17	-75.19	-62	Ceased
						-75.02		-76.19	-62	Minimal
						-76.02		-77.19	-62	Normal
					6740	-81.02	1.17	-82.19	-62	Ceased
						-82.02		-83.19	-62	Minimal
						-83.02		-84.19	-62	Normal



Contention Based Protocol Measurement											
U-NII-8 Band		Measurement Mode :			Conducted measurement(dBm)			at the antenna connector			
		Device Type :			Indoor Client			Antenna Gain :		1.17	dBi
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Threshold Level (dBm)	Channel Number	Channel Frequency (MHz)	Test Result					
						AWGN Signal Frequency (MHz)	Number of Times	Number of Detected	Detection Rate	Limit	Pass/Fail
U-NII 8	802.11ax	20MHz	-76.26	213	7015	7015	10	10	100.00%	90%	Pass
		160MHz	-75.25	207	6985	6910	10	10	100.00%	90%	Pass
			-77.25			6985	10	9	90.00%	90%	Pass
			-82.21			7060	10	9	90.00%	90%	Pass

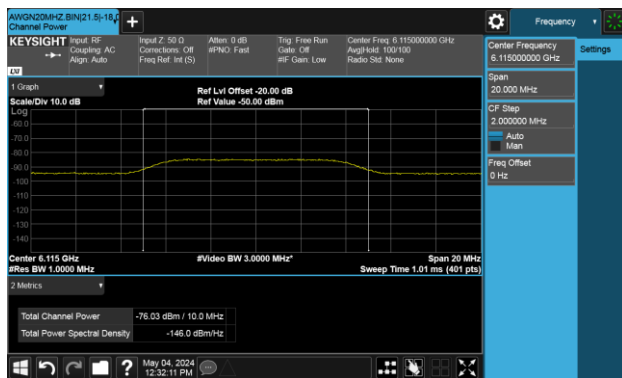
Lowest Interference (AWGN) Level Check										
Operation Band	Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Frequency (MHz)	AWGN Signal Frequency (MHz)	Injected(AWGN) power (dBm)	Antenna Gain (dBi)	Threshold Level (dBm)	Detection Limit (dBm)	EUT TX Status
U-NII 8	802.11ax	20MHz	213	7015	7015	-75.09	1.17	-76.26	-62	Ceased
						-76.09		-77.26	-62	Minimal
						-77.09		-78.26	-62	Normal
		160MHz	207	6985	6910	-74.08	1.17	-75.25	-62	Ceased
						-75.08		-76.25	-62	Minimal
						-76.08		-77.25	-62	Normal
					6985	-76.08	1.17	-77.25	-62	Ceased
						-77.08		-78.25	-62	Minimal
						-78.08		-79.25	-62	Normal
					7060	-81.04	1.17	-82.21	-62	Ceased
						-82.04		-83.21	-62	Minimal
						-83.04		-84.21	-62	Normal



Contention Based Protocol Threshold Level Verify Plot on U-NII 5

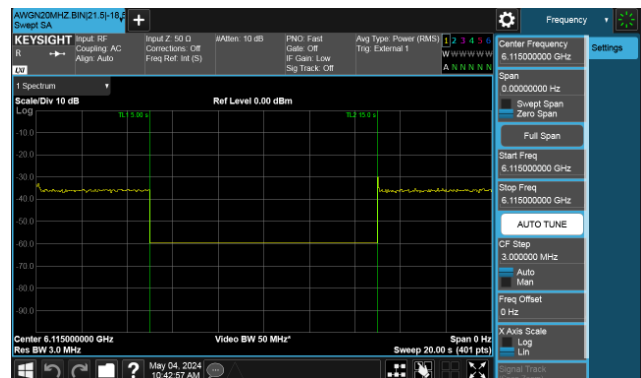
Frequency (MHz): CH 33 6115 MHz (20M)

Measured Detection level



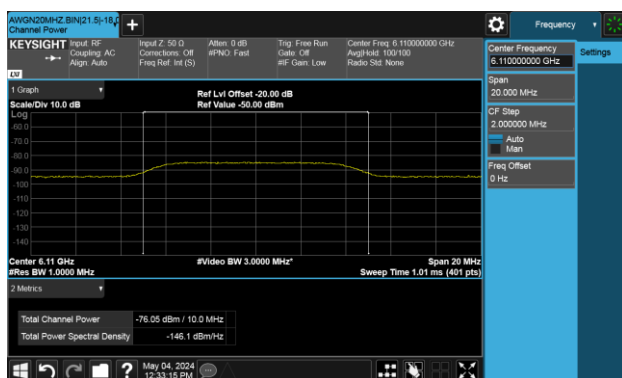
Frequency (MHz): CH 33 6115 MHz (20M)

Test result is pass due to no transmission occur



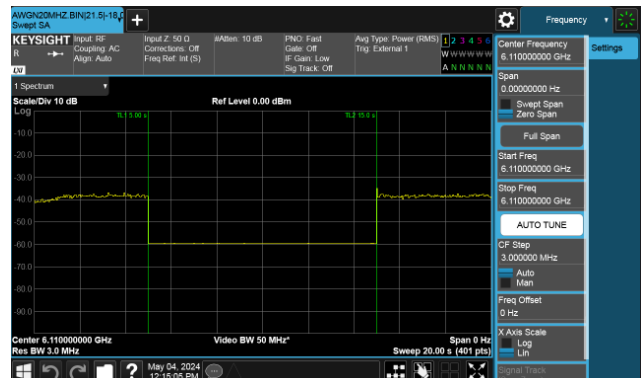
Frequency (MHz): CH 47 6110 MHz (160M)

Measured Detection level



Frequency (MHz): CH 47 6110 MHz (160M)

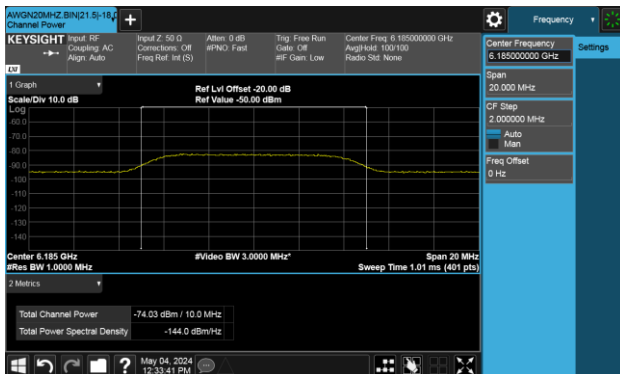
Test result is pass due to no transmission occur





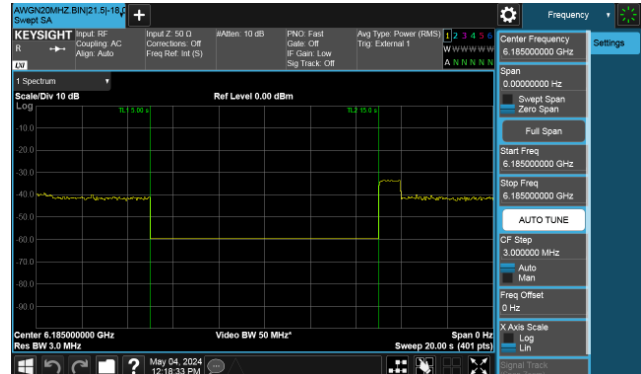
Frequency (MHz): :CH 47 6185 MHz 160M)

Measured Detection level



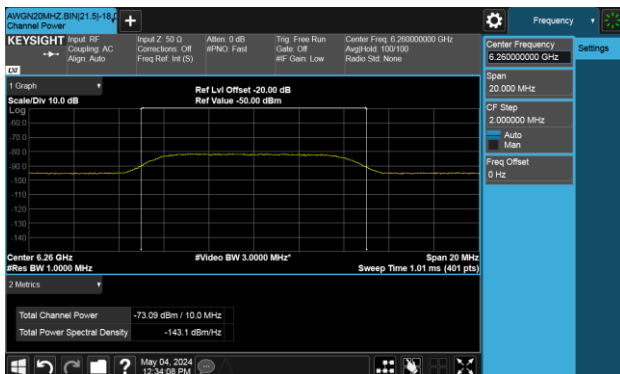
Frequency (MHz): :CH 47 6185 MHz (160M)

Test result is pass due to no transmission occur



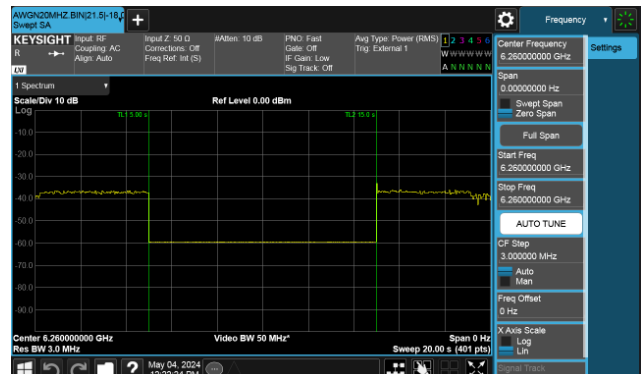
Frequency (MHz): CH 47 6260 MHz (160M)

Measured Detection level



Frequency (MHz): CH 47 6260 MHz (160M)

Test result is pass due to no transmission occur

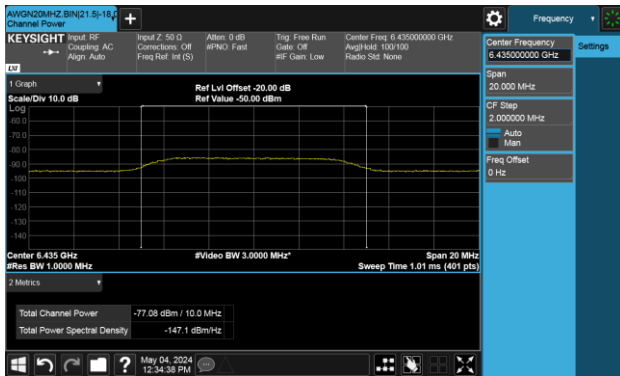




Contention Based Protocol Threshold Level Verify Plot on U-NII 6

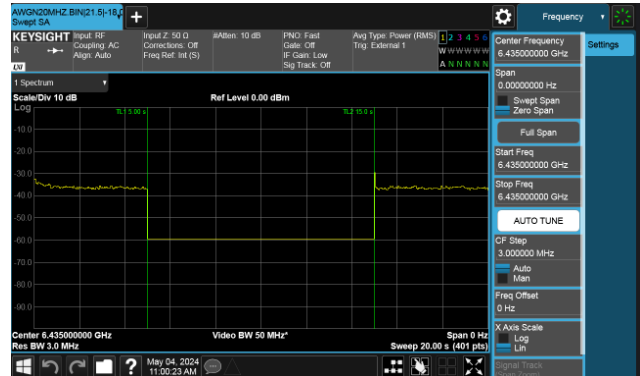
Frequency (MHz): CH 97 6435 MHz (20M)

Measured Detection level



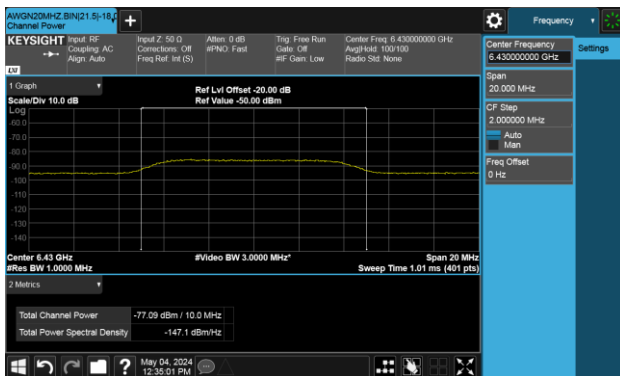
Frequency (MHz): CH 97 6435 MHz (20M)

Test result is pass due to no transmission occur



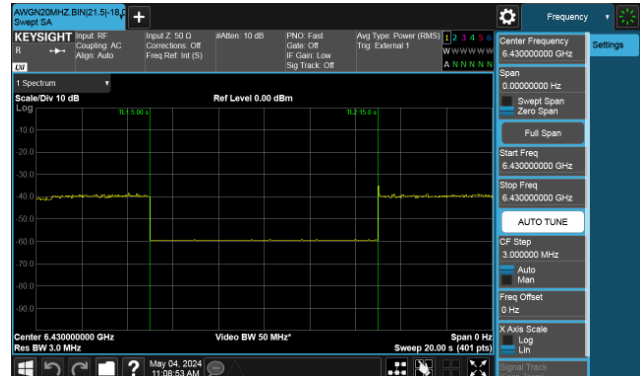
Frequency (MHz): CH 111 6430 MHz (160M)

Measured Detection level



Frequency (MHz): CH 111 6430 MHz (160M)

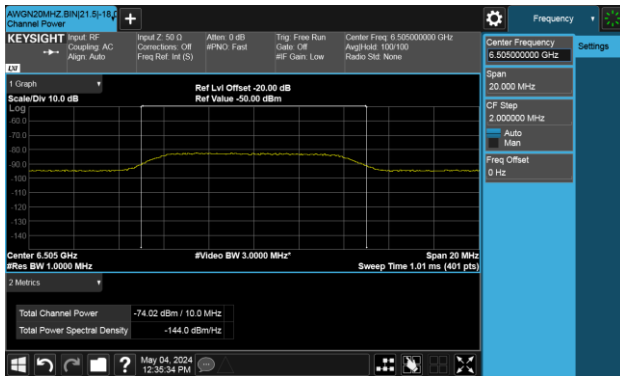
Test result is pass due to no transmission occur





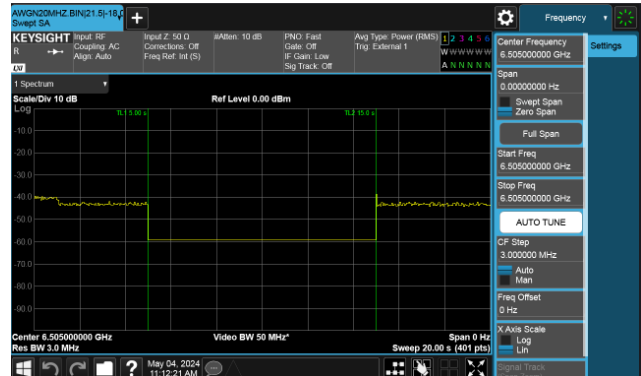
Frequency (MHz): CH 111 6505 MHz (160M)

Measured Detection level



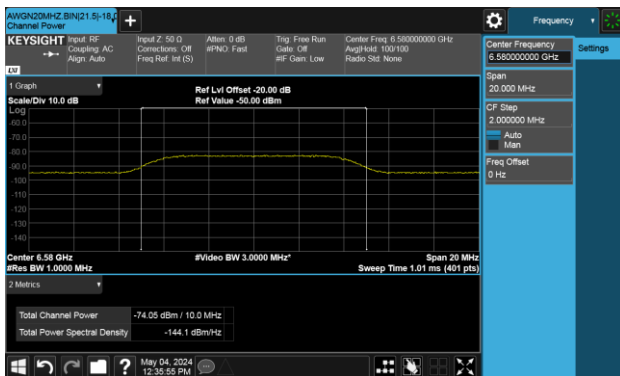
requency (MHz): CH 111 6505 MHz (160M)

Test result is pass due to no transmission occur



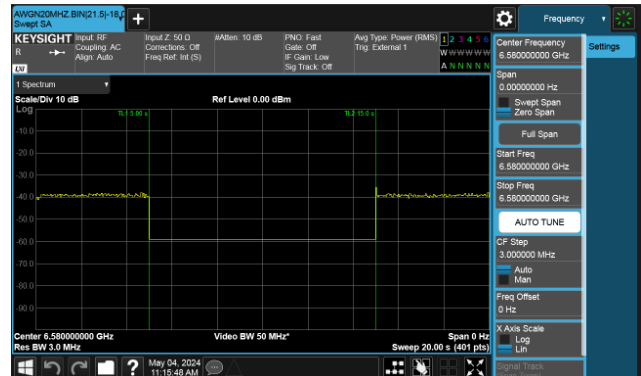
Frequency (MHz): CH 111 6580 MHz (160M)

Measured Detection level



requency (MHz): CH 111 6580 MHz (160M)

Test result is pass due to no transmission occur

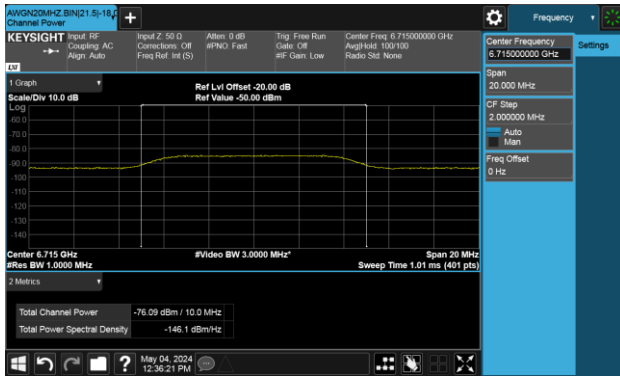




Contention Based Protocol Threshold Level Verify Plot on U-NII 7

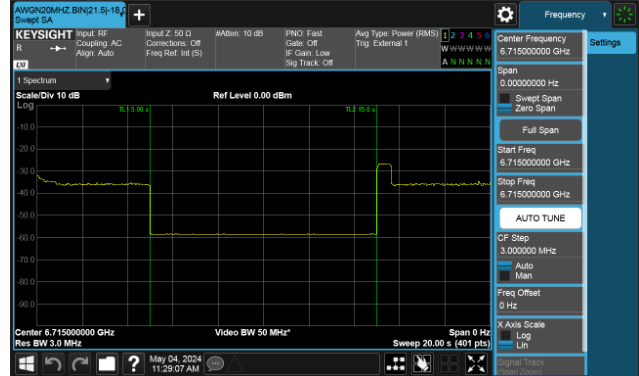
Frequency (MHz): CH 153 6715 MHz (20M)

Measured Detection level



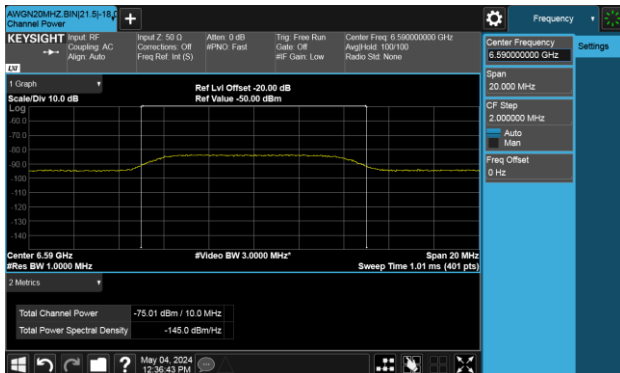
Frequency (MHz): CH 153 6715 MHz (20M)

Test result is pass due to no transmission occur



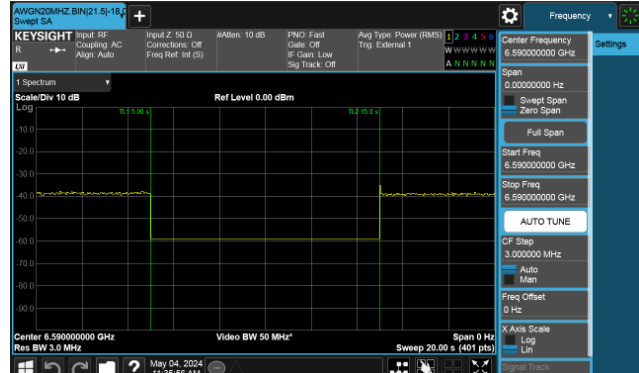
Frequency (MHz): CH 143 6590 MHz (160M)

Measured Detection level



Frequency (MHz): CH 143 6590 MHz (160M)

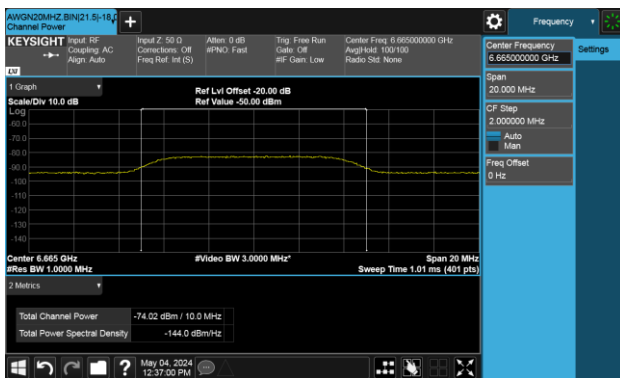
Test result is pass due to no transmission occur





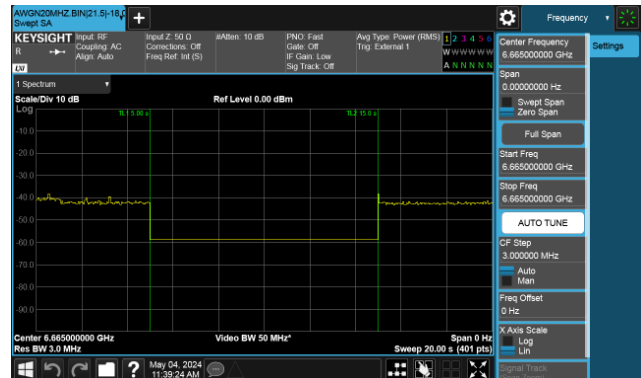
Frequency (MHz): CH 143 6665 MHz (160M)

Measured Detection level



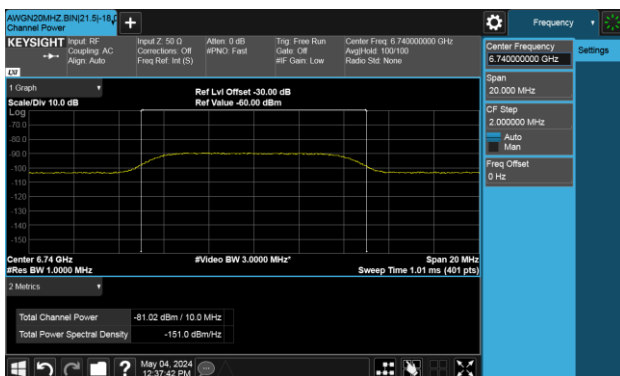
Frequency (MHz): CH 143 6665 MHz (160M)

Test result is pass due to no transmission occur



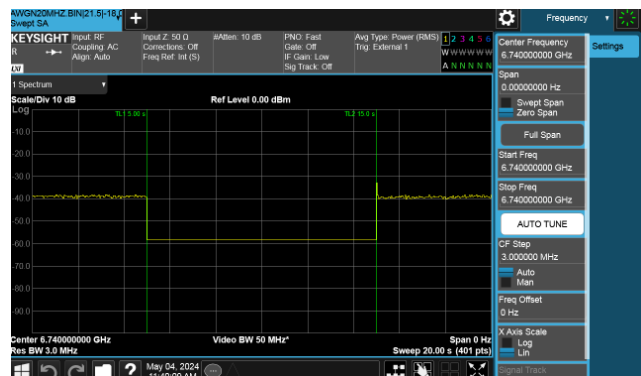
Frequency (MHz): CH 143 6740 MHz (160M)

Measured Detection level



Frequency (MHz): CH 143 6740 MHz (160M)

Test result is pass due to no transmission occur





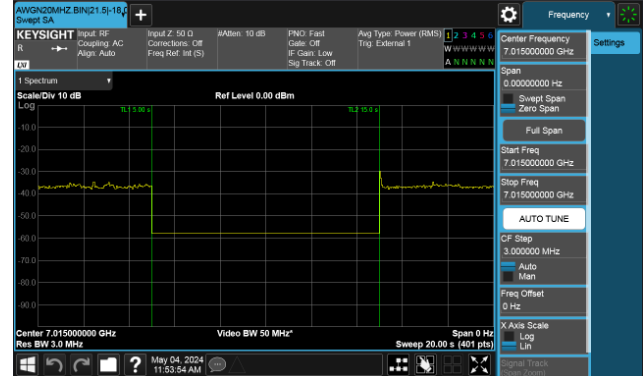
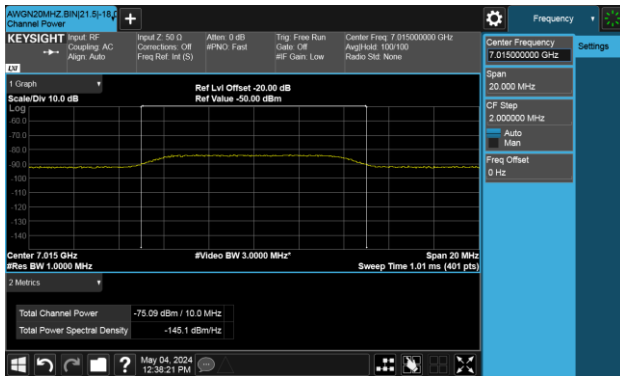
Contention Based Protocol Threshold Level Verify Plot on U-NII 8

Frequency (MHz): CH 213 7015 MHz (20M)

Frequency (MHz): CH 213 7015MHz (20M)

Measured Detection level

Test result is pass due to no transmission occur

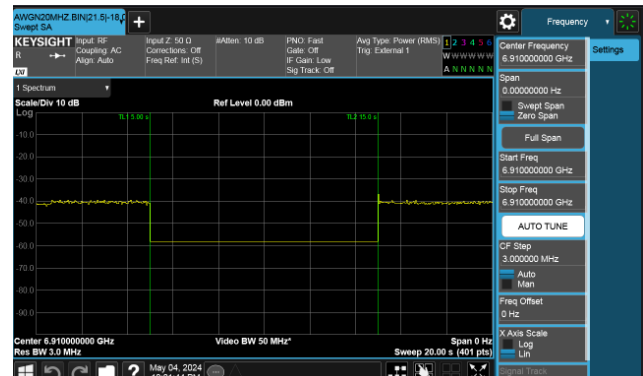
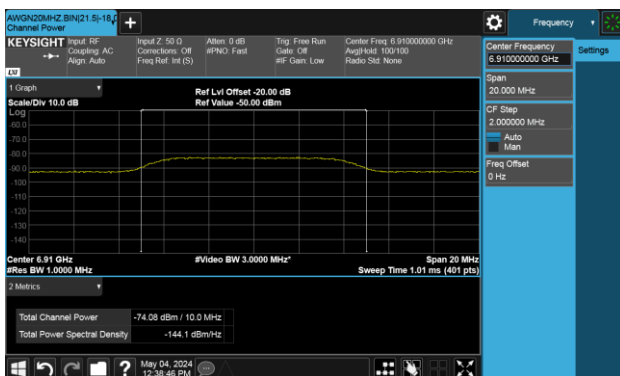


Frequency (MHz): CH 207 6910 MHz (160M)

Frequency (MHz): CH 207 6910MHz (160M)

Measured Detection level

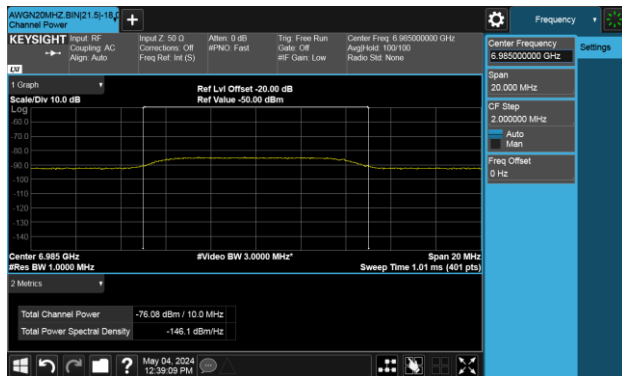
Test result is pass due to no transmission occur





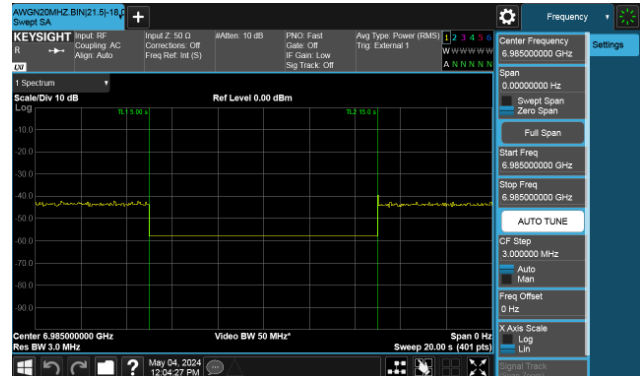
Frequency (MHz): CH 207 6985 MHz (160M)

Measured Detection level



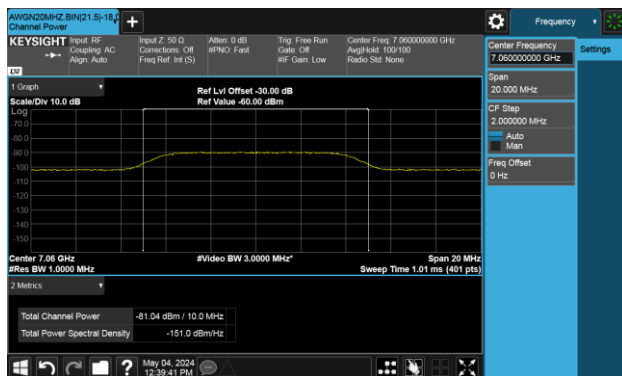
Frequency (MHz): CH 207 6985MHz (160M)

Test result is pass due to no transmission occur



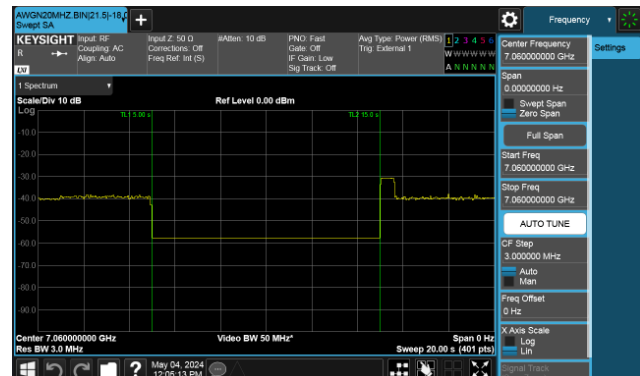
Frequency (MHz): CH 207 7060 MHz (160M)

Measured Detection level



Frequency (MHz): CH 207 7060MHz (160M)

Test result is pass due to no transmission occur



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