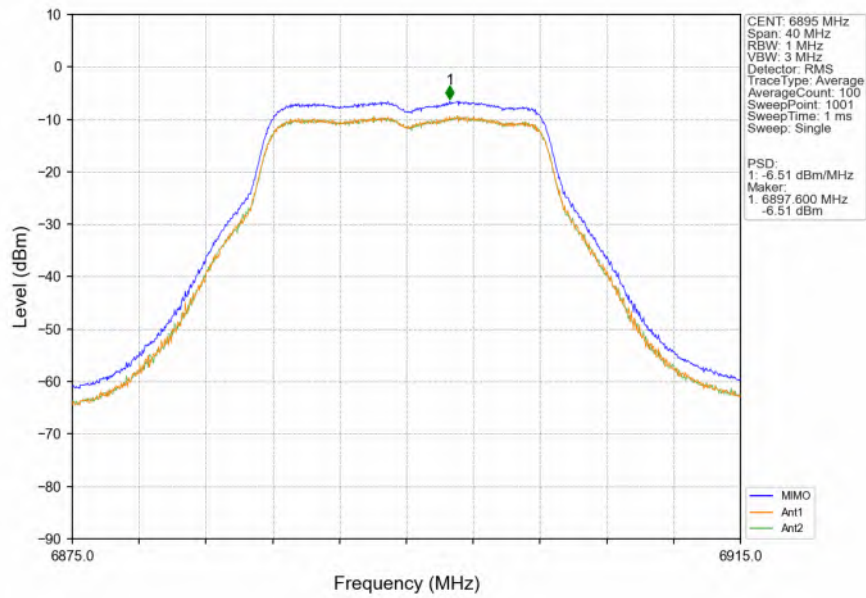
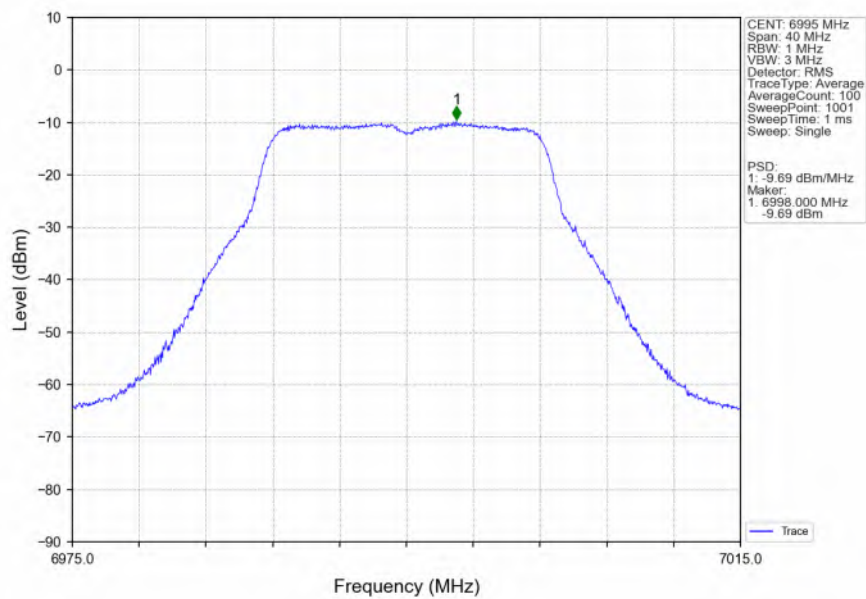


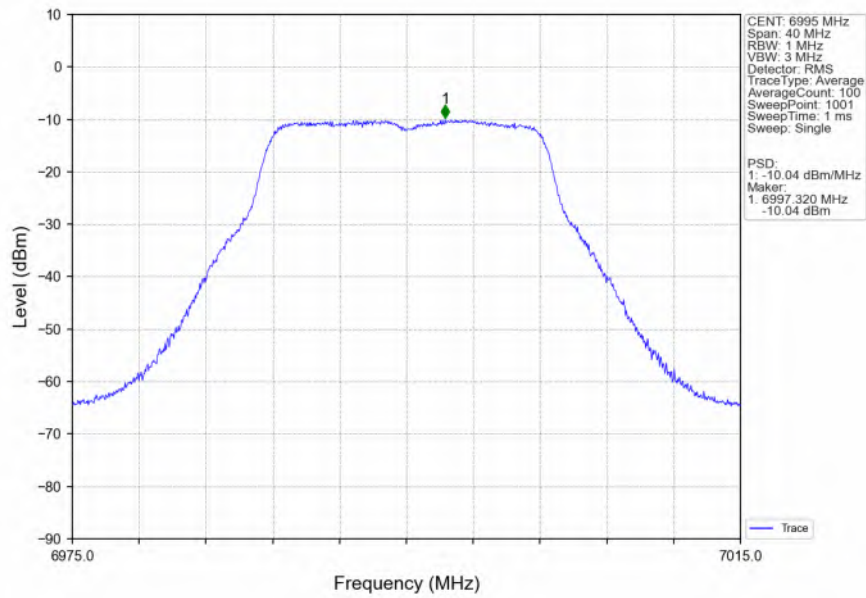
802.11a_LCH_6895MHz_MIMO_NTNV



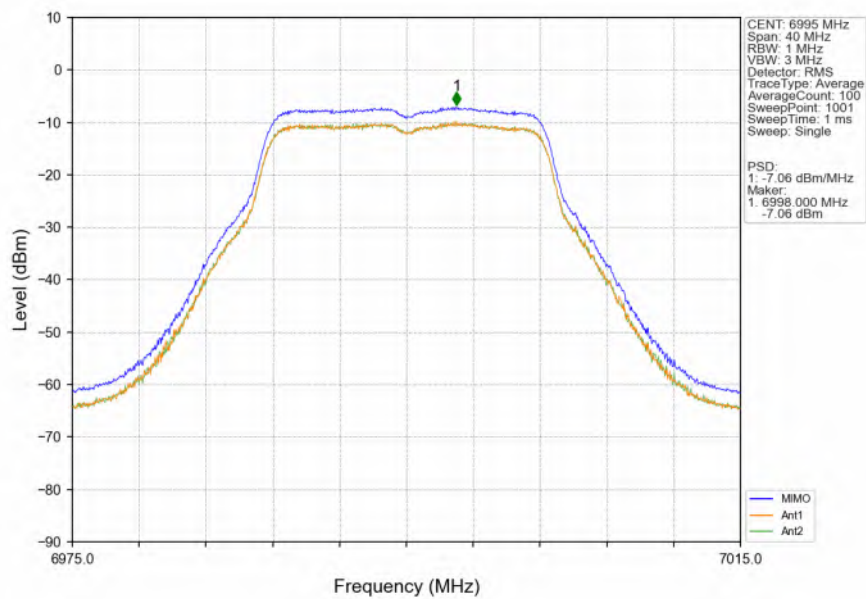
802.11a_MCH_6995MHz_Ant0_NTNV



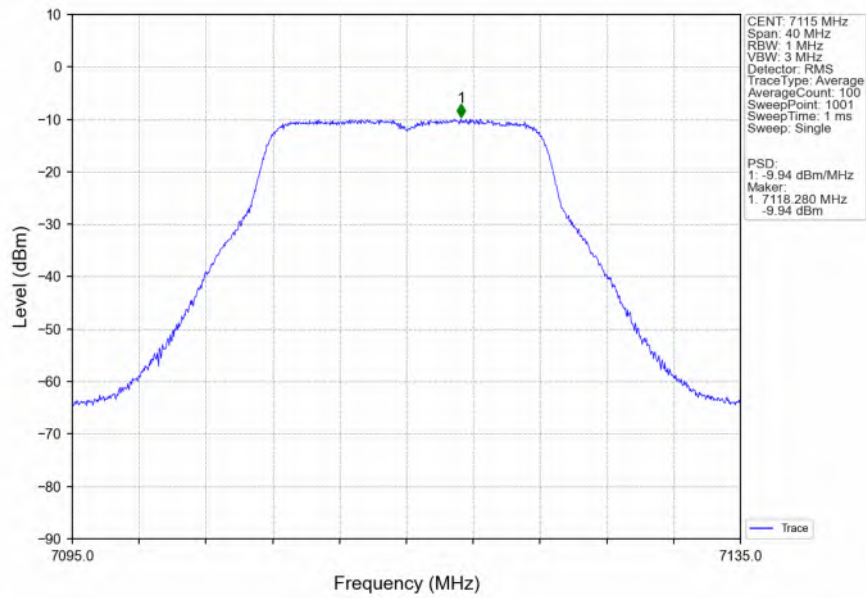
802.11a_MCH_6995MHz_Ant1_NTNV



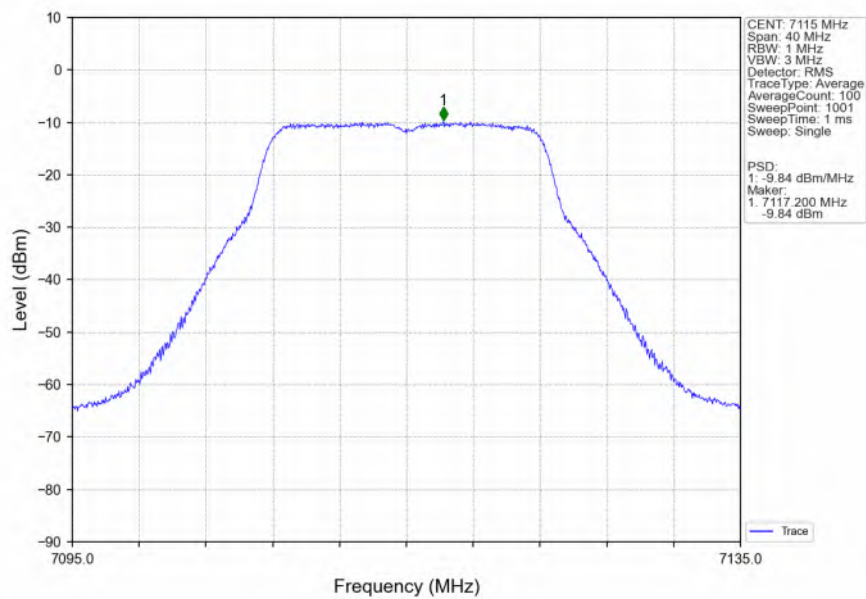
802.11a_MCH_6995MHz_MIMO_NTNV



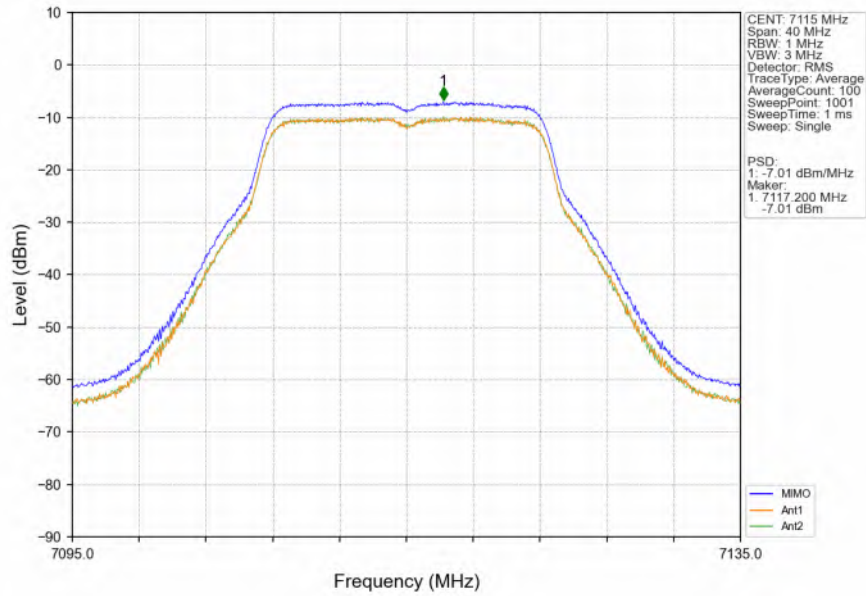
802.11a_HCH_7115MHz_Ant0_NTNV



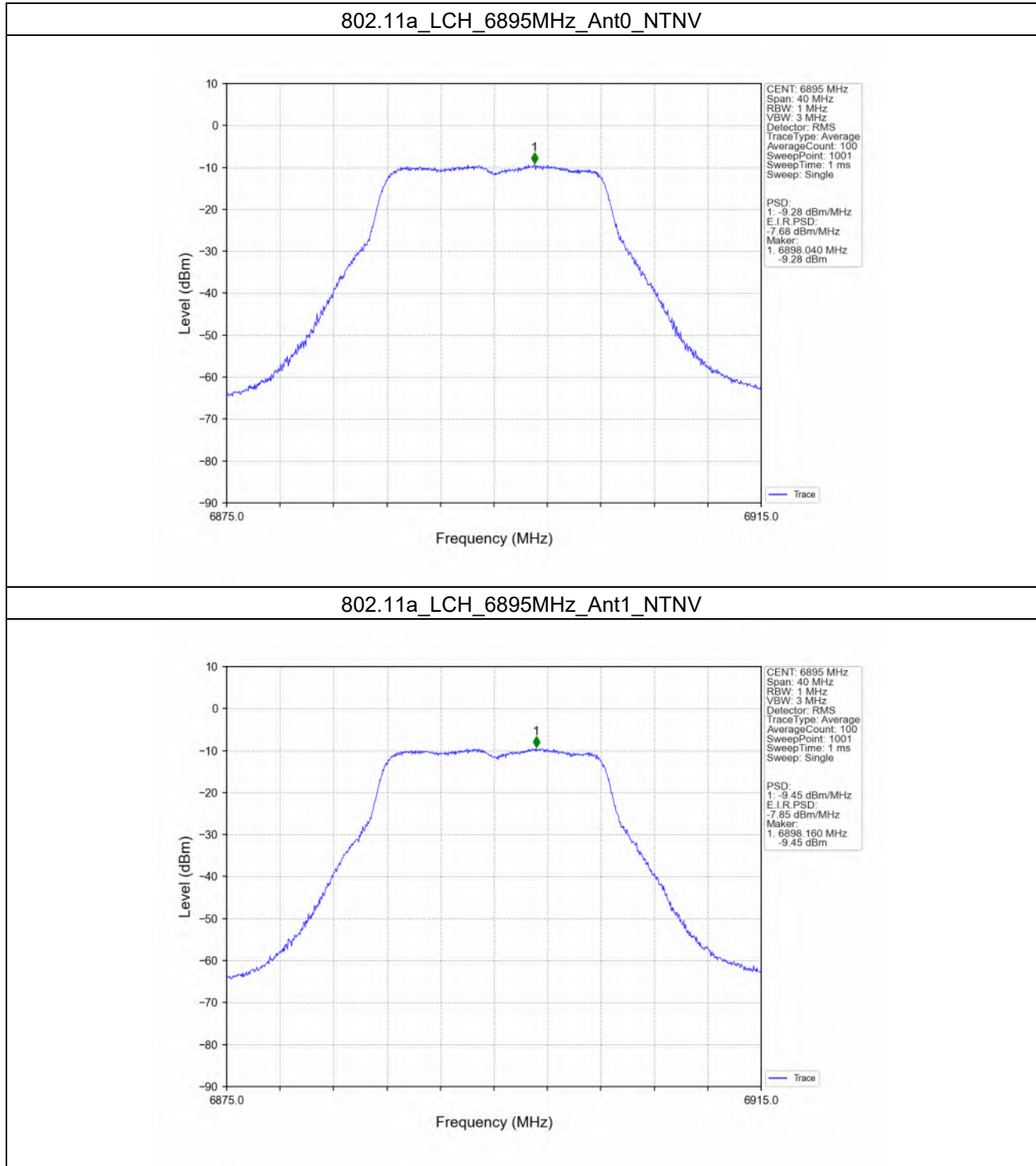
802.11a_HCH_7115MHz_Ant1_NTNV



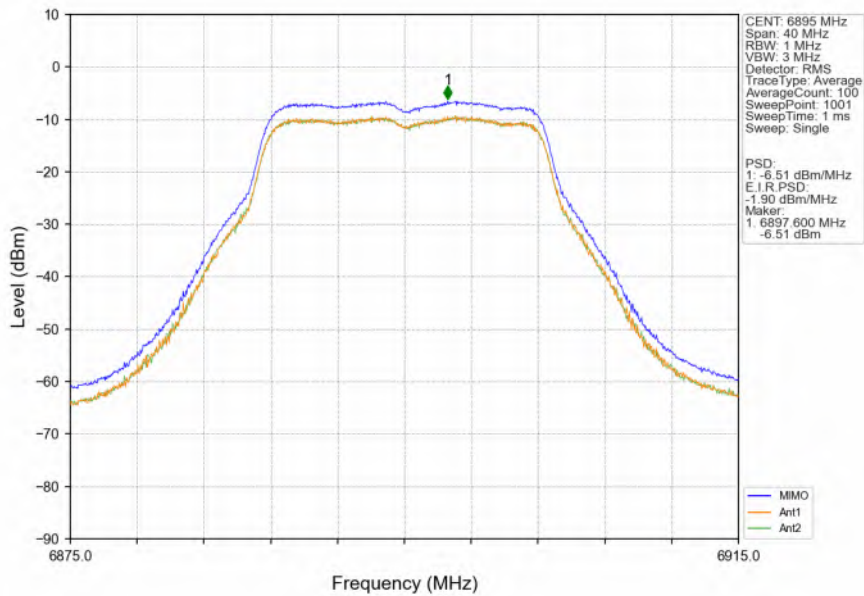
802.11a_HCH_7115MHz_MIMO_NTNV



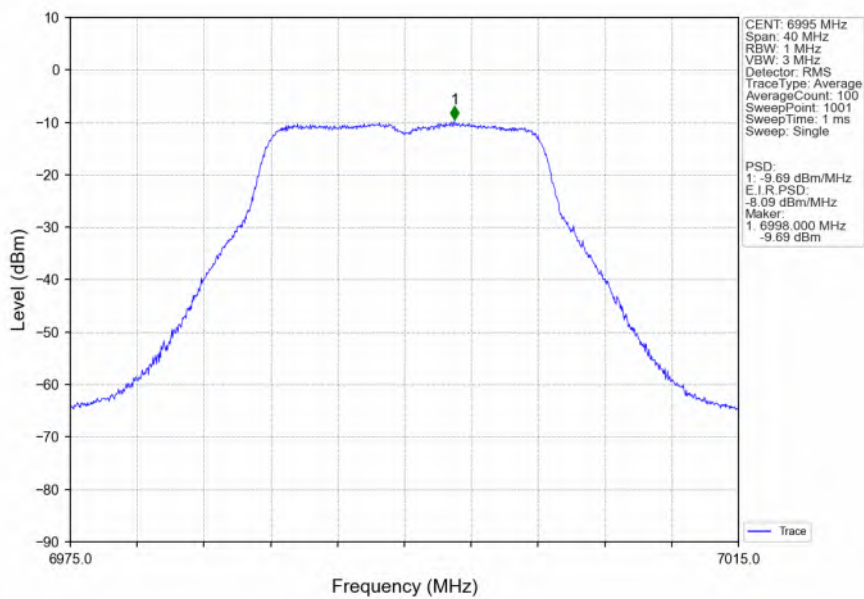
4.2.8 E.I.R.PSD



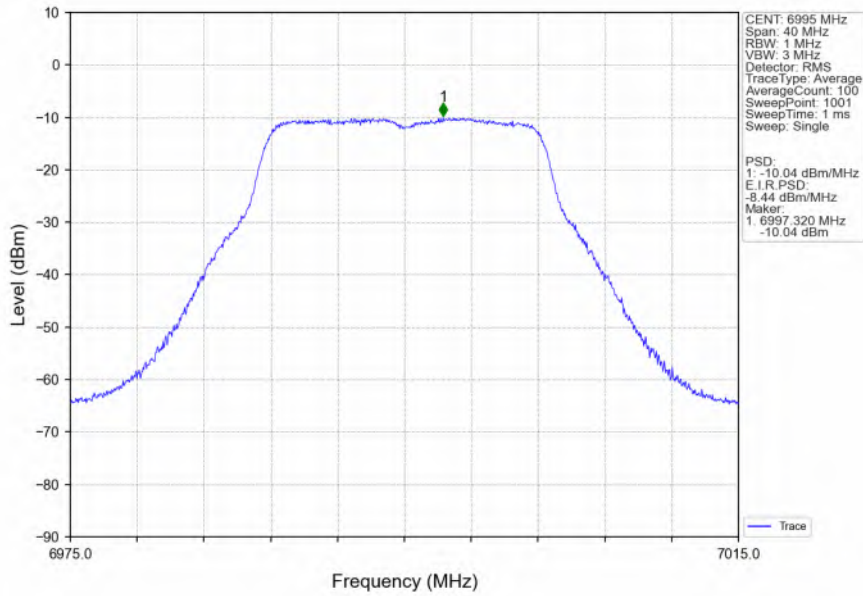
802.11a_LCH_6895MHz_MIMO_NTNV



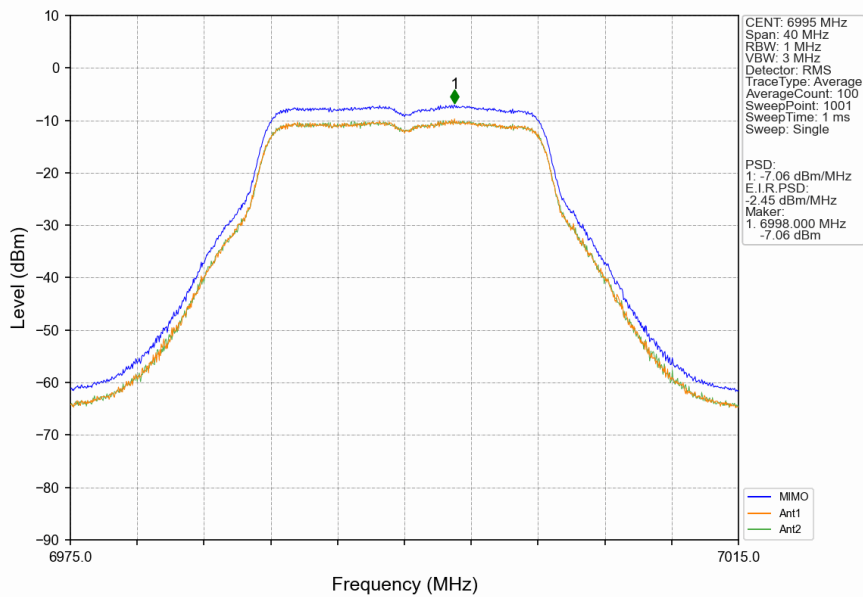
802.11a_MCH_6995MHz_Ant0_NTNV



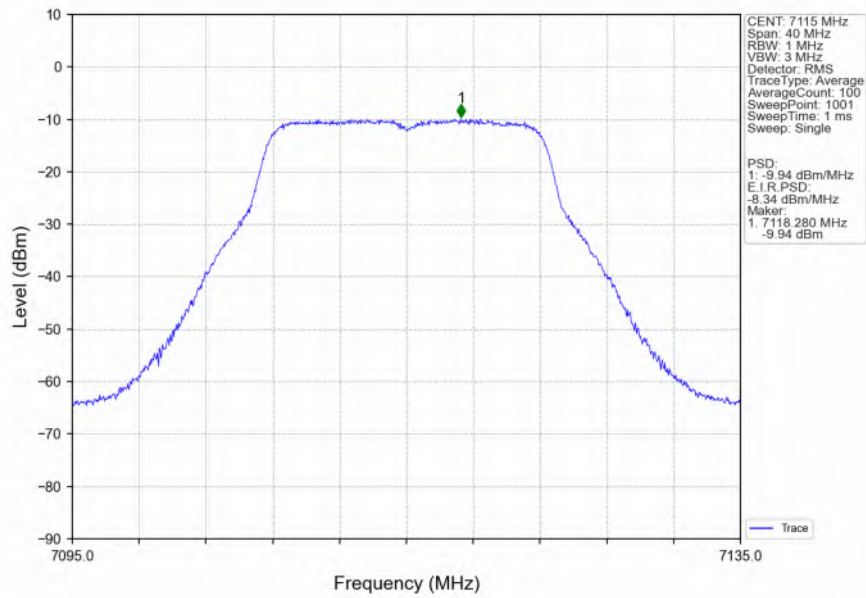
802.11a_MCH_6995MHz_Ant1_NTNV



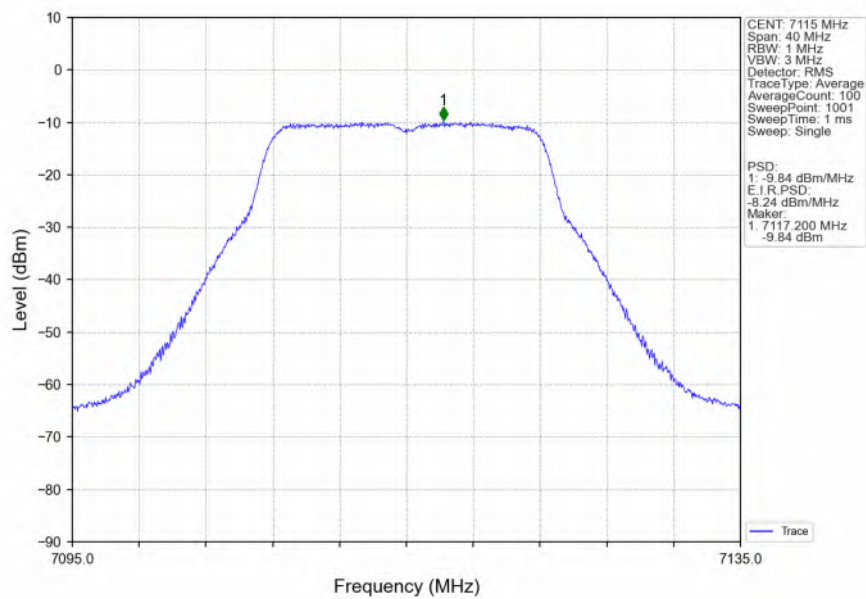
802.11a_MCH_6995MHz_MIMO_NTNV



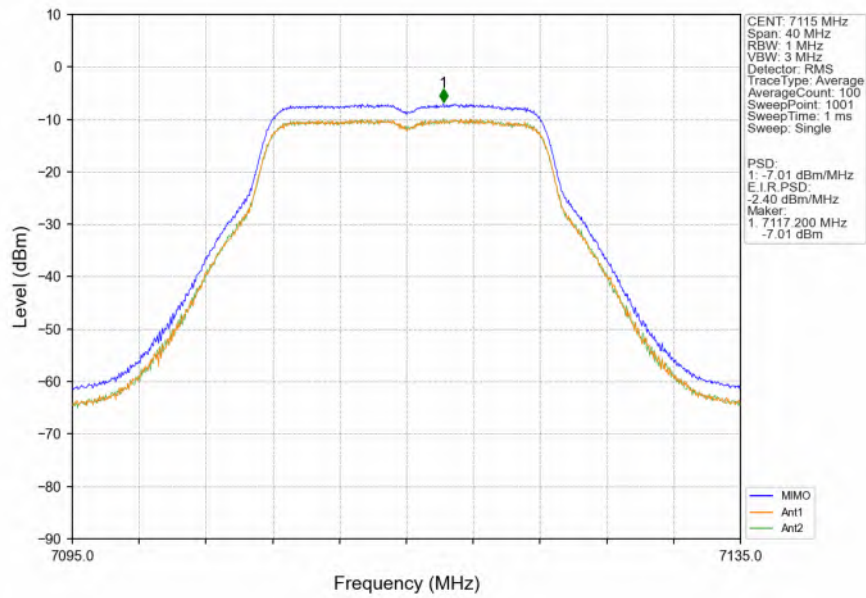
802.11a_HCH_7115MHz_Ant0_NTNV



802.11a_HCH_7115MHz_Ant1_NTNV

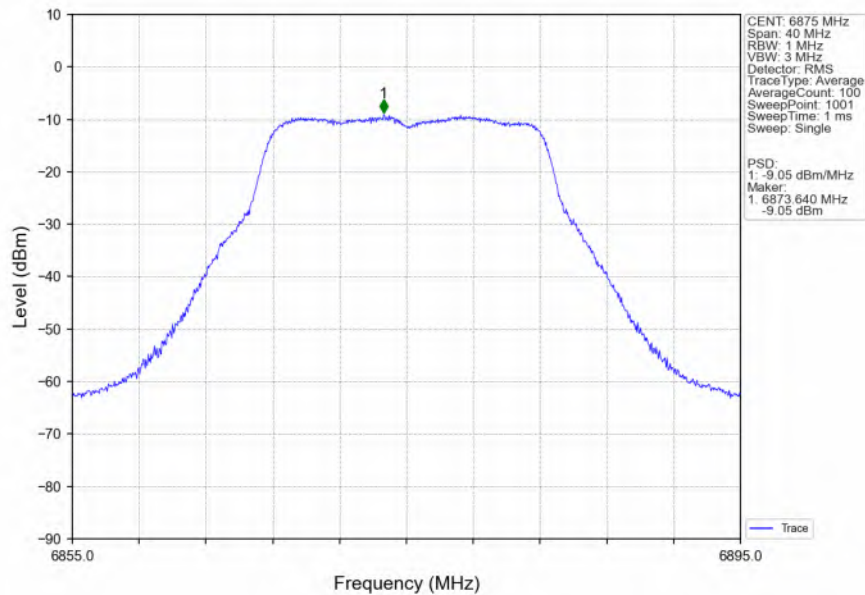


802.11a_HCH_7115MHz_MIMO_NTNV

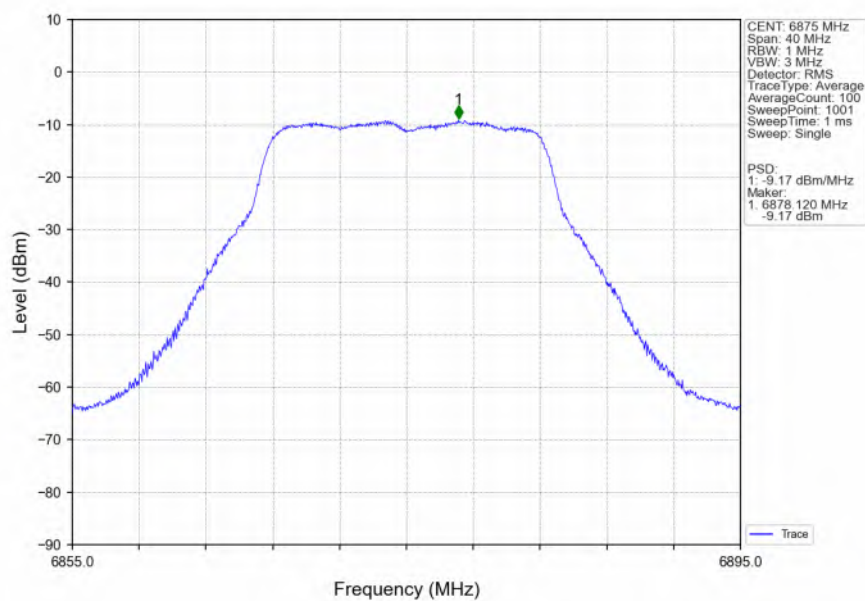


4.2.9 PSD

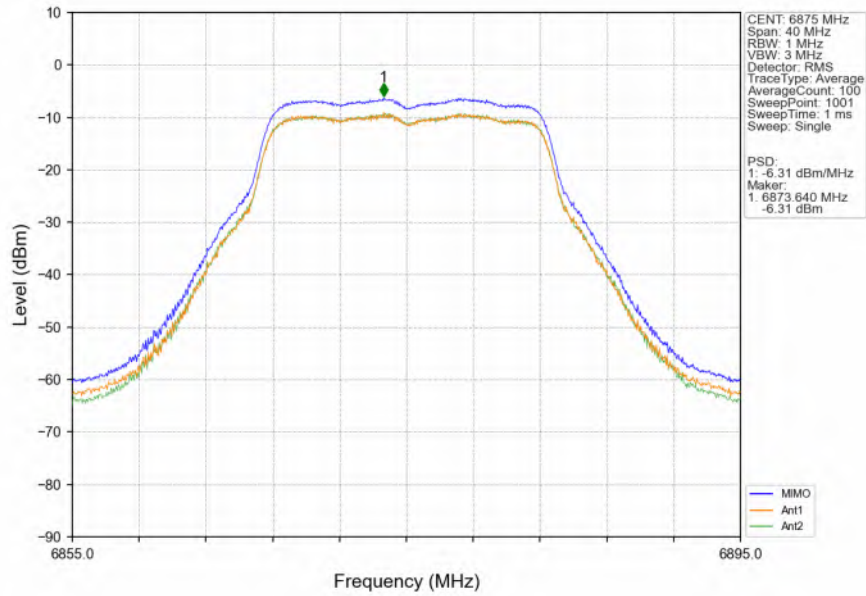
802.11a_HCH_6875MHz_Ant0_NTNV



802.11a_HCH_6875MHz_Ant1_NTNV

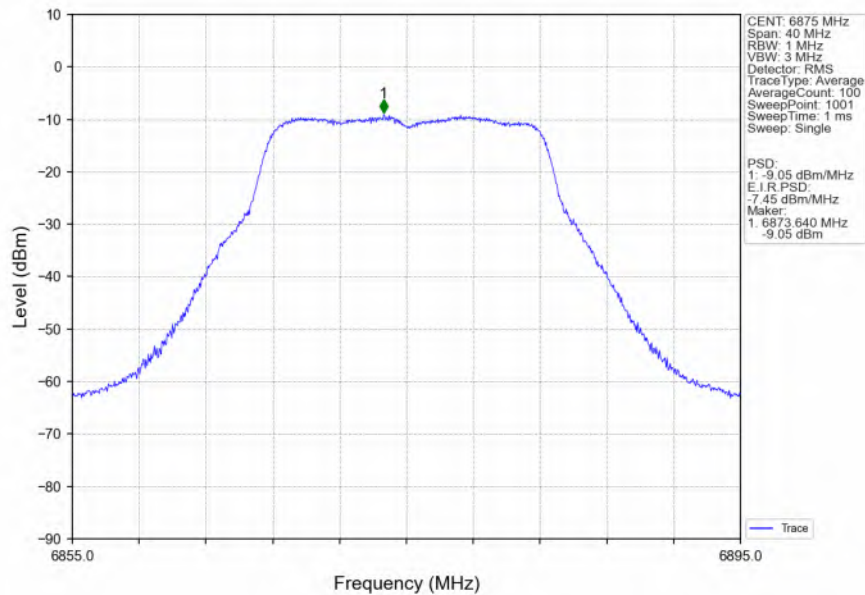


802.11a_HCH_6875MHz_MIMO_NTNV

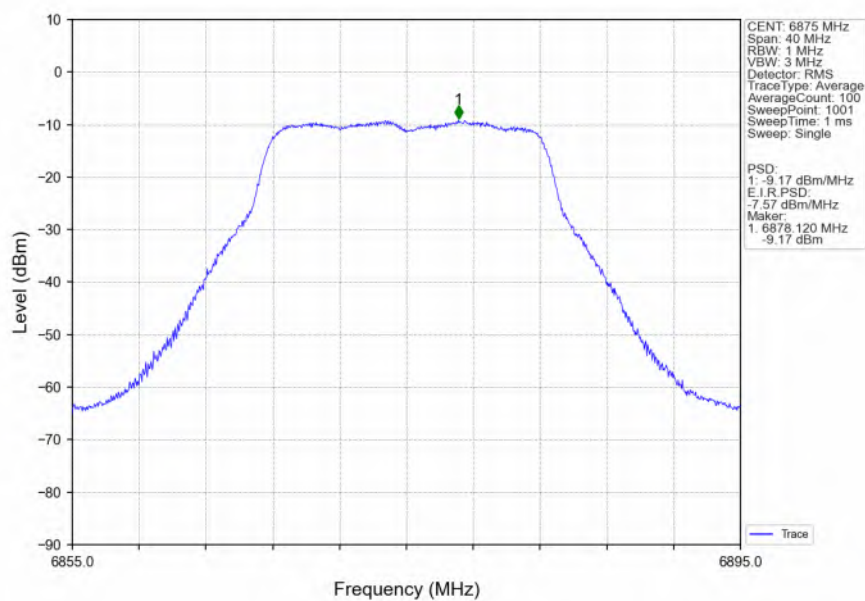


4.2.10 E.I.R.PSD

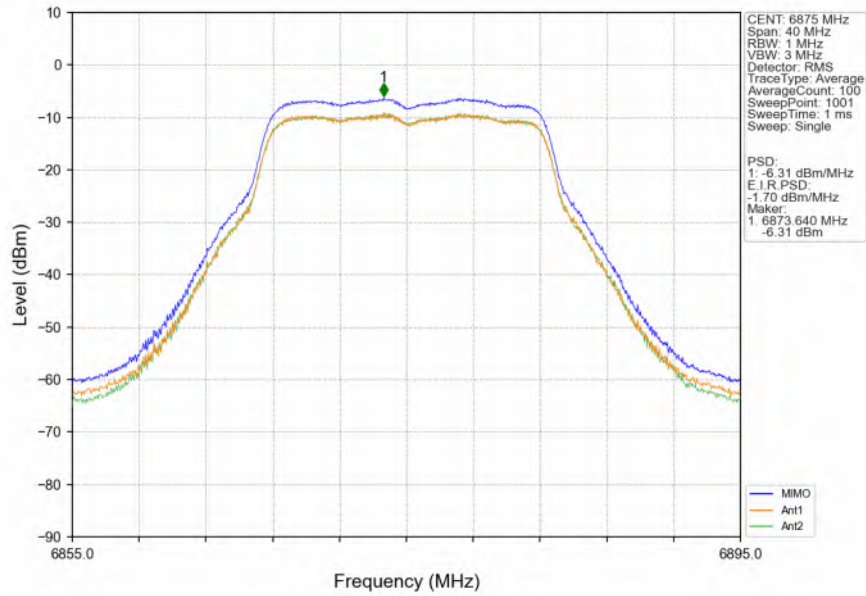
802.11a_HCH_6875MHz_Ant0_NTNV



802.11a_HCH_6875MHz_Ant1_NTNV



802.11a_HCH_6875MHz_MIMO_NTNV



5. Emission Mask

5.1 Test Result

5.1.1 EMask

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Test Result	Limit	Verdict
NTNV	802.11a	MIMO	5955	/	/	0	Refer To Test Graph		Pass
			6175	/	/	0	Refer To Test Graph		Pass
			6415	/	/	0	Refer To Test Graph		Pass

5.1.2 EMask

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Test Result	Limit	Verdict
NTNV	802.11a	MIMO	6435	/	/	0	Refer To Test Graph		Pass
			6475	/	/	0	Refer To Test Graph		Pass
			6515	/	/	0	Refer To Test Graph		Pass

5.1.3 EMask

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Test Result	Limit	Verdict
NTNV	802.11a	MIMO	6535	/	/	0	Refer To Test Graph		Pass
			6695	/	/	0	Refer To Test Graph		Pass
			6855	/	/	0	Refer To Test Graph		Pass

5.1.4 EMask

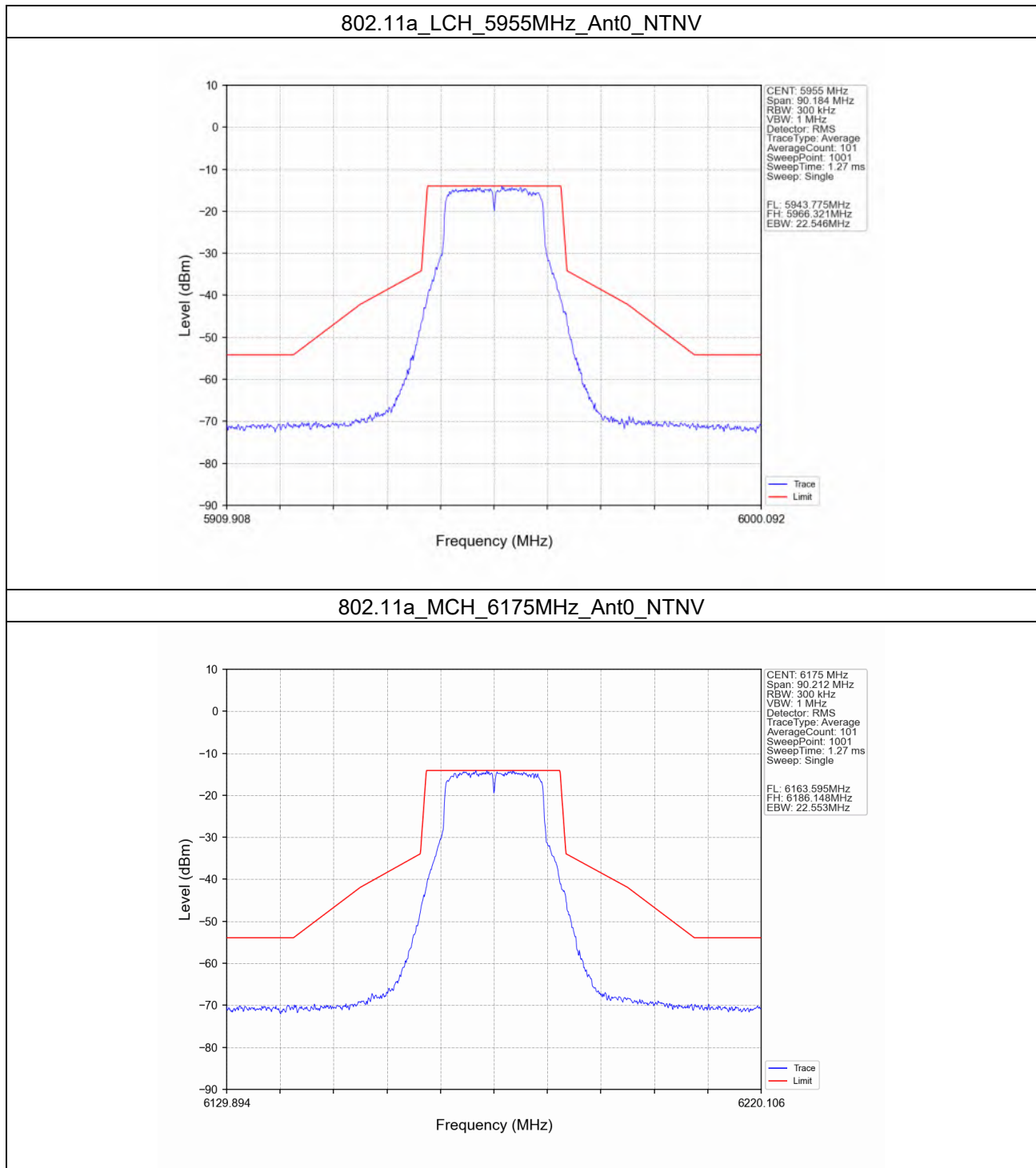
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Test Result	Limit	Verdict
NTNV	802.11a	MIMO	6895	/	/	0	Refer To Test Graph		Pass
			6995	/	/	0	Refer To Test Graph		Pass
			7115	/	/	0	Refer To Test Graph		Pass

5.1.5 EMask

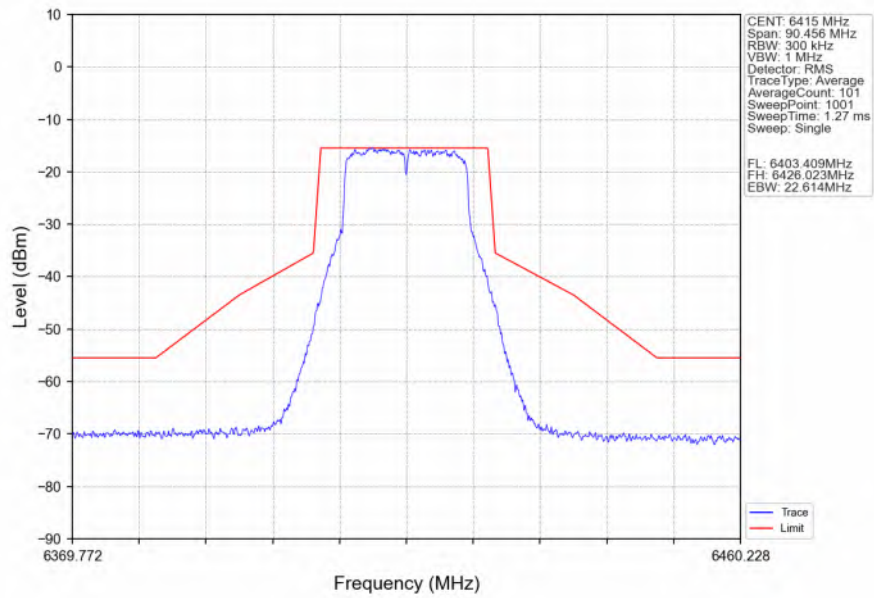
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Test Result	Limit	Verdict
NTNV	802.11a	MIMO	6875	/	/	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 EMask

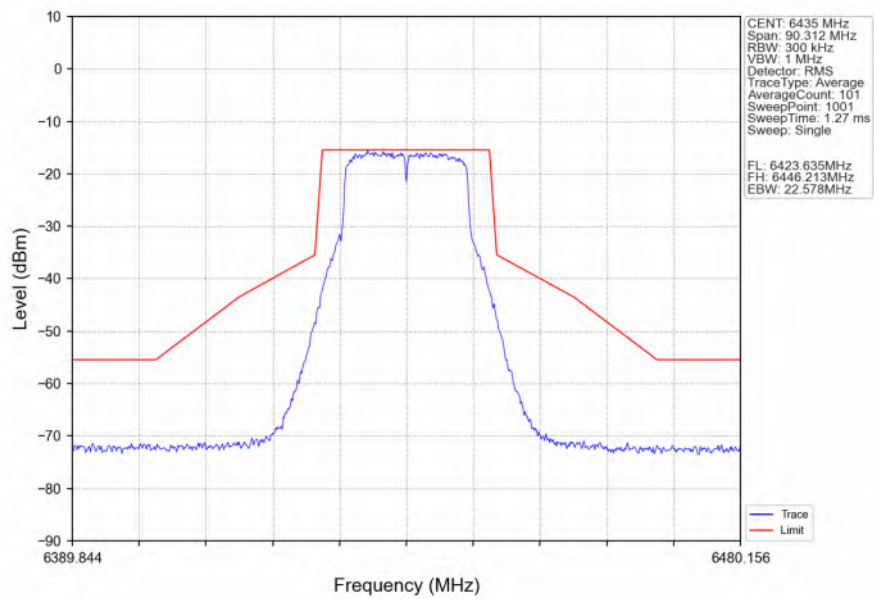


802.11a_HCH_6415MHz_Ant0_NTNV

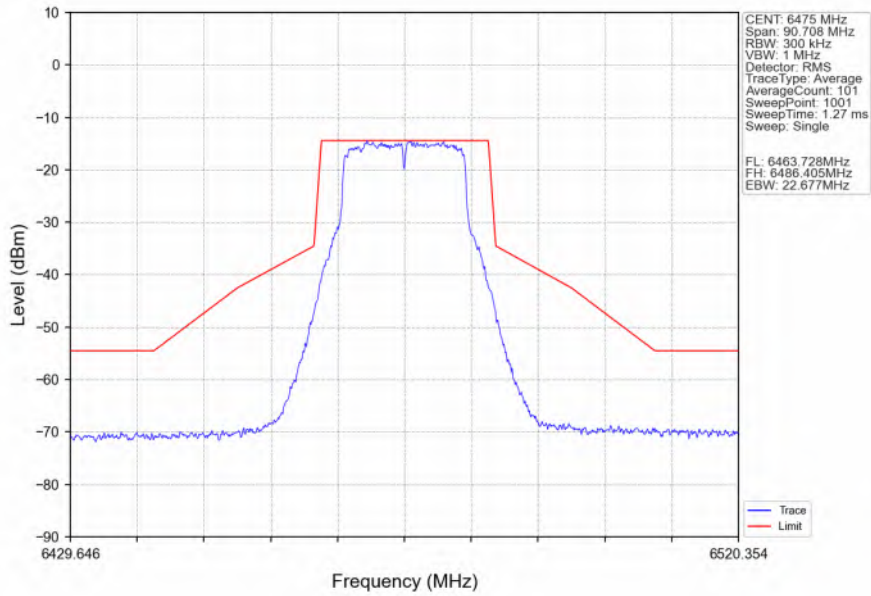


5.2.2 EMask

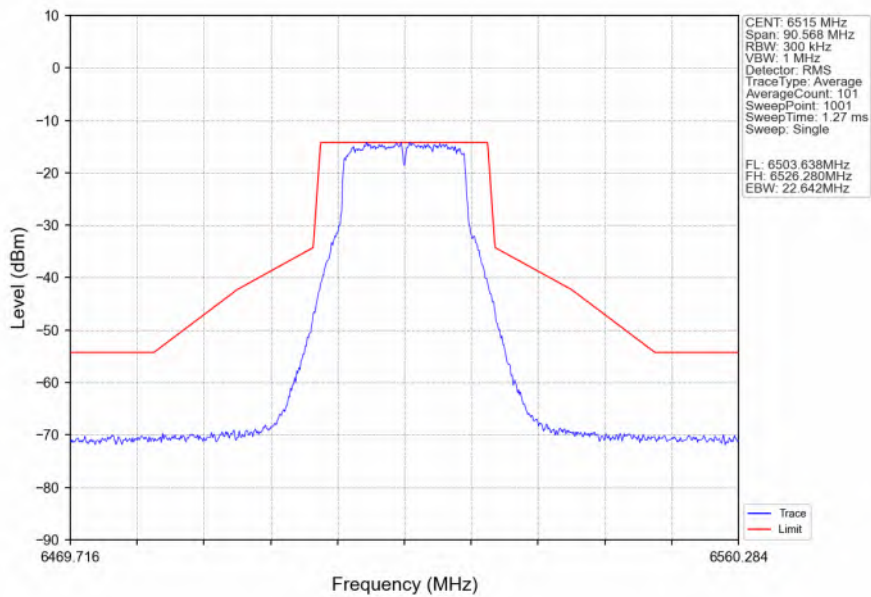
802.11a_LCH_6435MHz_Ant0_NTNV



802.11a_MCH_6475MHz_Ant0_NTNV

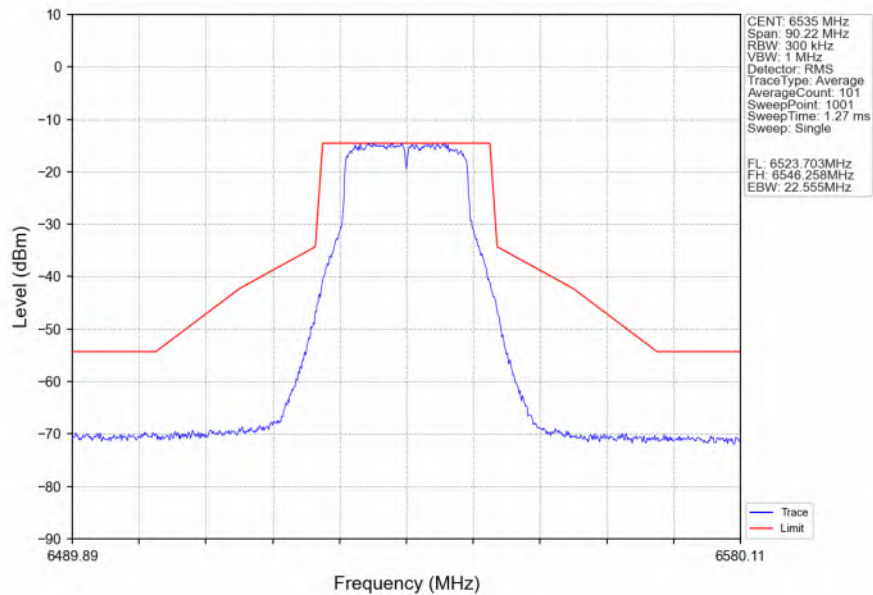


802.11a_HCH_6515MHz_Ant0_NTNV

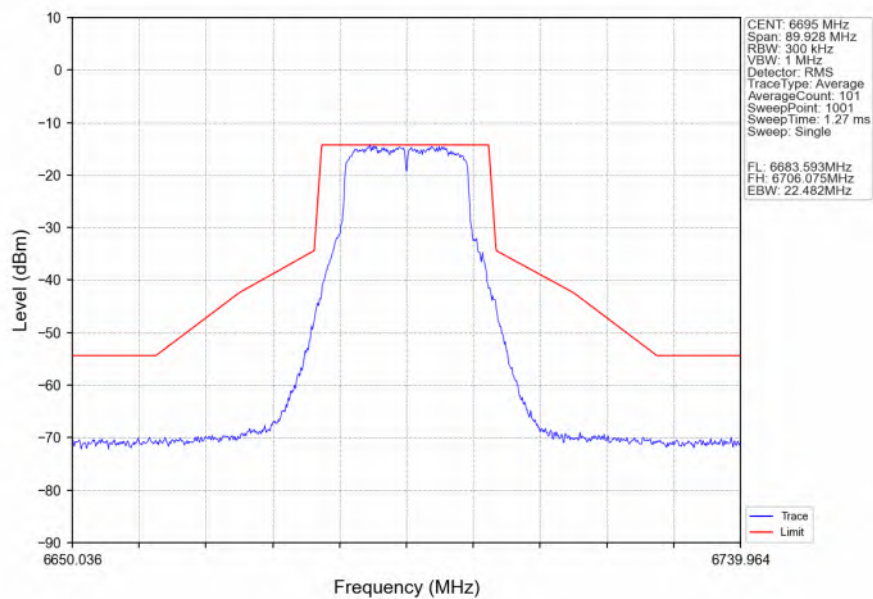


5.2.3 EMask

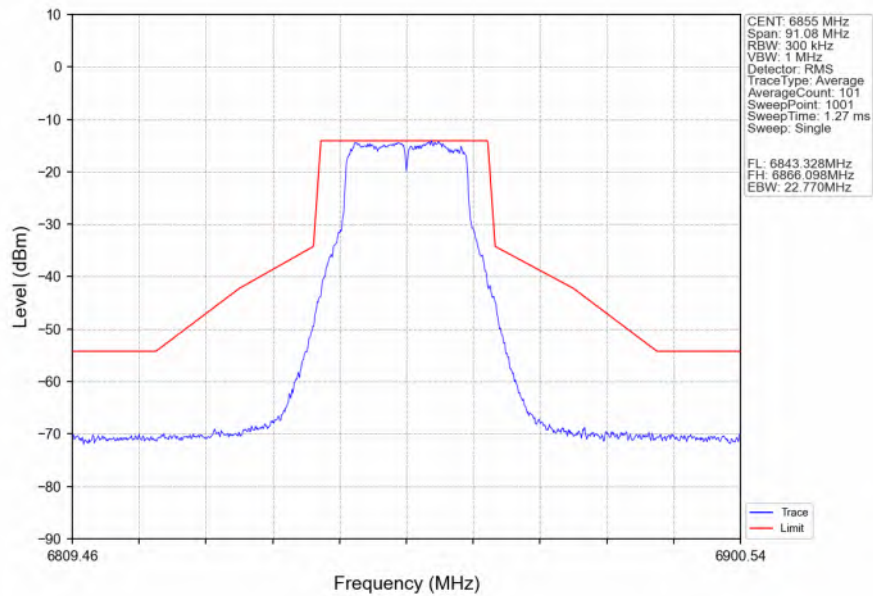
802.11a_LCH_6535MHz_Ant0_NTNV



802.11a_MCH_6695MHz_Ant0_NTNV

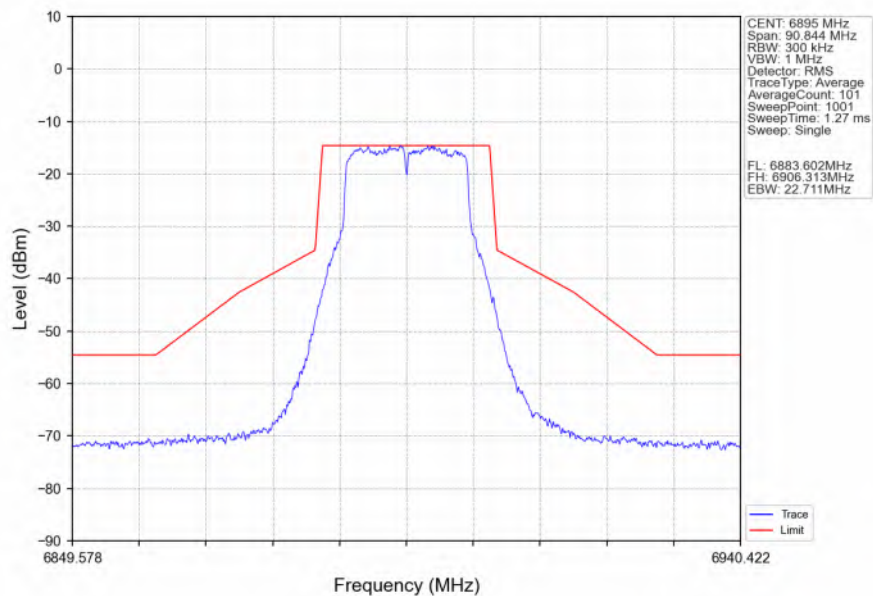


802.11a_HCH_6855MHz_Ant0_NTNV

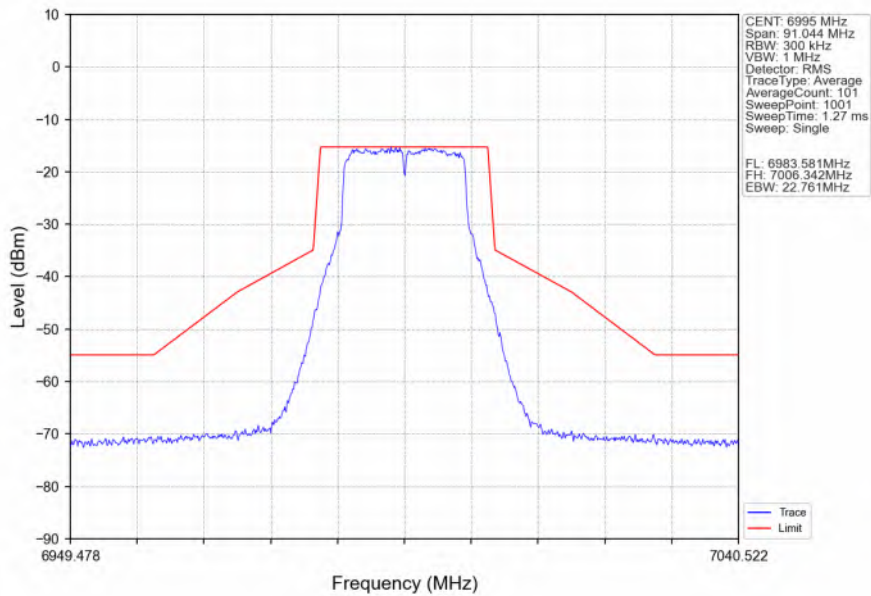


5.2.4 EMask

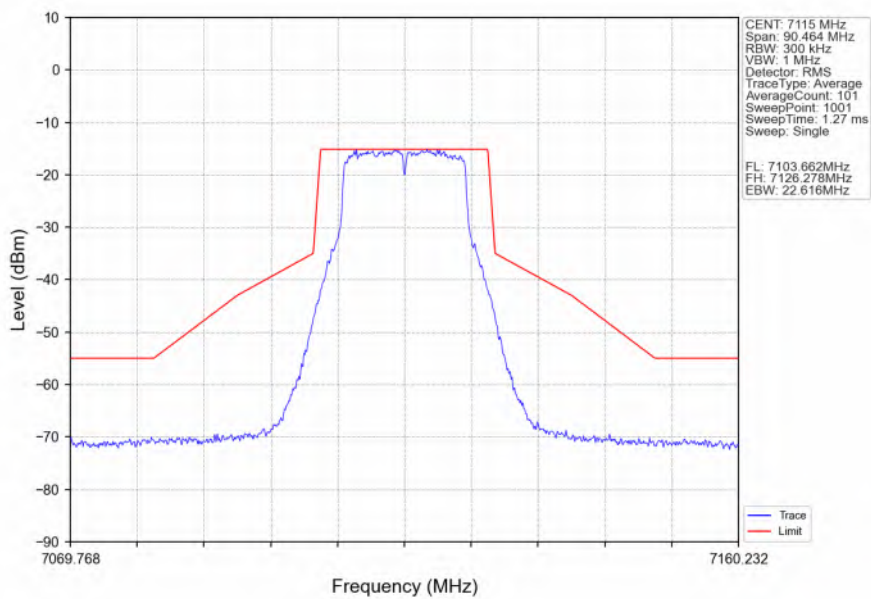
802.11a_LCH_6895MHz_Ant0_NTNV



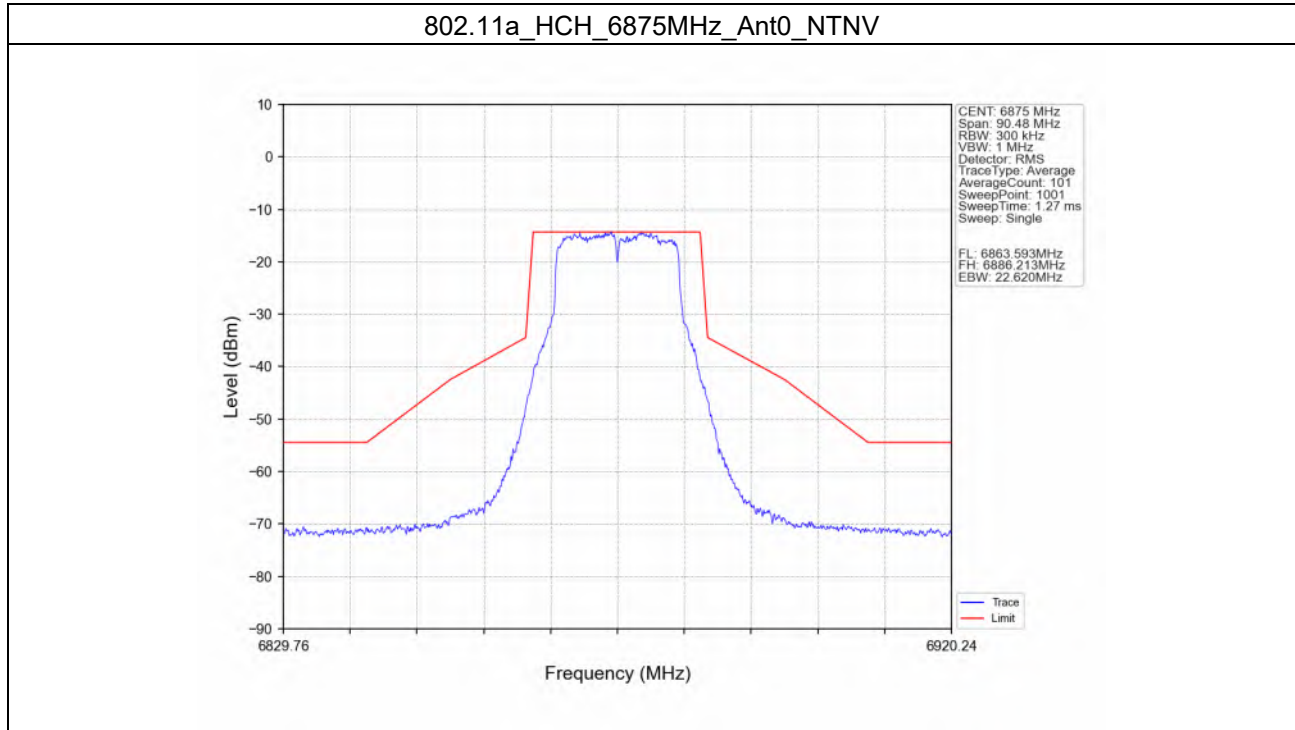
802.11a_MCH_6995MHz_Ant0_NTNV



802.11a_HCH_7115MHz_Ant0_NTNV



5.2.5 EMask



Contention Based Protocol Test Result

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 5	6175	20	6175	-68.33	100	-62	-69.93	1.6	7.93
					Result: Stop Transmission				
				-69.2	<90	-62	-70.80	1.6	8.8
					Result: Minimal Operation				
				-70.21	0	-62	-71.81	1.6	9.81
	6265	320	6110		Result: Normal Operation				
				-68.53	100	-62	-70.13	1.6	8.13
					Result: Stop Transmission				
				-69.37	<90	-62	-70.97	1.6	8.97
					Result: Minimal Operation				
			6265	-70.28	0	-62	-71.88	1.6	9.88
					Result: Normal Operation				
				-66.08	100	-62	-67.68	1.6	5.68
					Result: Stop Transmission				
				-66.77	<90	-62	-68.37	1.6	6.37
					Result: Minimal Operation				
			6420	-69.84	0	-62	-71.44	1.6	9.44
					Result: Normal Operation				
				-66.72	100	-62	-68.32	1.6	6.32
					Result: Stop Transmission				
				-67.88	<90	-62	-69.48	1.6	7.48
					Result: Minimal Operation				
				-70.19	0	-62	-71.79	1.6	9.79
					Result: Normal Operation				

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 6	6475	20	6475	-68.37	100	-62	-69.97	1.6	7.97
				Result: Stop Transmission					
				-69.2	<90	-62	-70.8	1.6	8.8
				Result: Minimal Operation					
				-71.21	0	-62	-72.81	1.6	10.81
	6425	320	6270	Result: Normal Operation					
				-68.34	100	-62	-69.94	1.6	7.94
				Result: Stop Transmission					
				-68.85	<90	-62	-70.45	1.6	8.45
				Result: Minimal Operation					
			6425	-70.13	0	-62	-71.73	-0.8	9.73
				Result: Normal Operation					
				-65.03	100	-62	-66.63	1.6	4.63
				Result: Stop Transmission					
				-65.48	<90	-62	-67.08	1.6	5.08
				Result: Minimal Operation					
			6580	-69.88	0	-62	-71.48	1.6	9.48
				Result: Normal Operation					
				-67.84	100	-62	-69.44	1.6	7.44
				Result: Stop Transmission					
				-68.71	<90	-62	-70.31	1.6	8.31
				Result: Minimal Operation					
				-70.52	0	-62	-72.12	1.6	10.12
				Result: Normal Operation					

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 7	6695	20	6695	-68.8	100	-62	-70.4	1.6	8.4
				Result: Stop Transmission					
				-69.17	<90	-62	-70.77	1.6	8.77
				Result: Minimal Operation					
				-71.25	0	-62	-72.85	1.6	10.85
	6745	320	6590	Result: Normal Operation					
				-67.22	100	-62	-68.82	1.6	6.82
				Result: Stop Transmission					
				-68.32	<90	-62	-69.92	1.6	7.92
				Result: Minimal Operation					
			6745	-70.85	0	-62	-72.45	1.6	10.45
				Result: Normal Operation					
				-65.78	100	-62	-67.38	1.6	5.38
				Result: Stop Transmission					
				-66.79	<90	-62	-68.39	1.6	6.39
				Result: Minimal Operation					
			6900	-69.89	0	-62	-71.49	1.6	9.49
				Result: Normal Operation					
				-67	100	-62	-68.6	1.6	6.6
				Result: Stop Transmission					
				-68.01	<90	-62	-69.61	1.6	7.61
				Result: Minimal Operation					
				-70.88	0	-62	-72.48	1.6	10.48
				Result: Normal Operation					

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

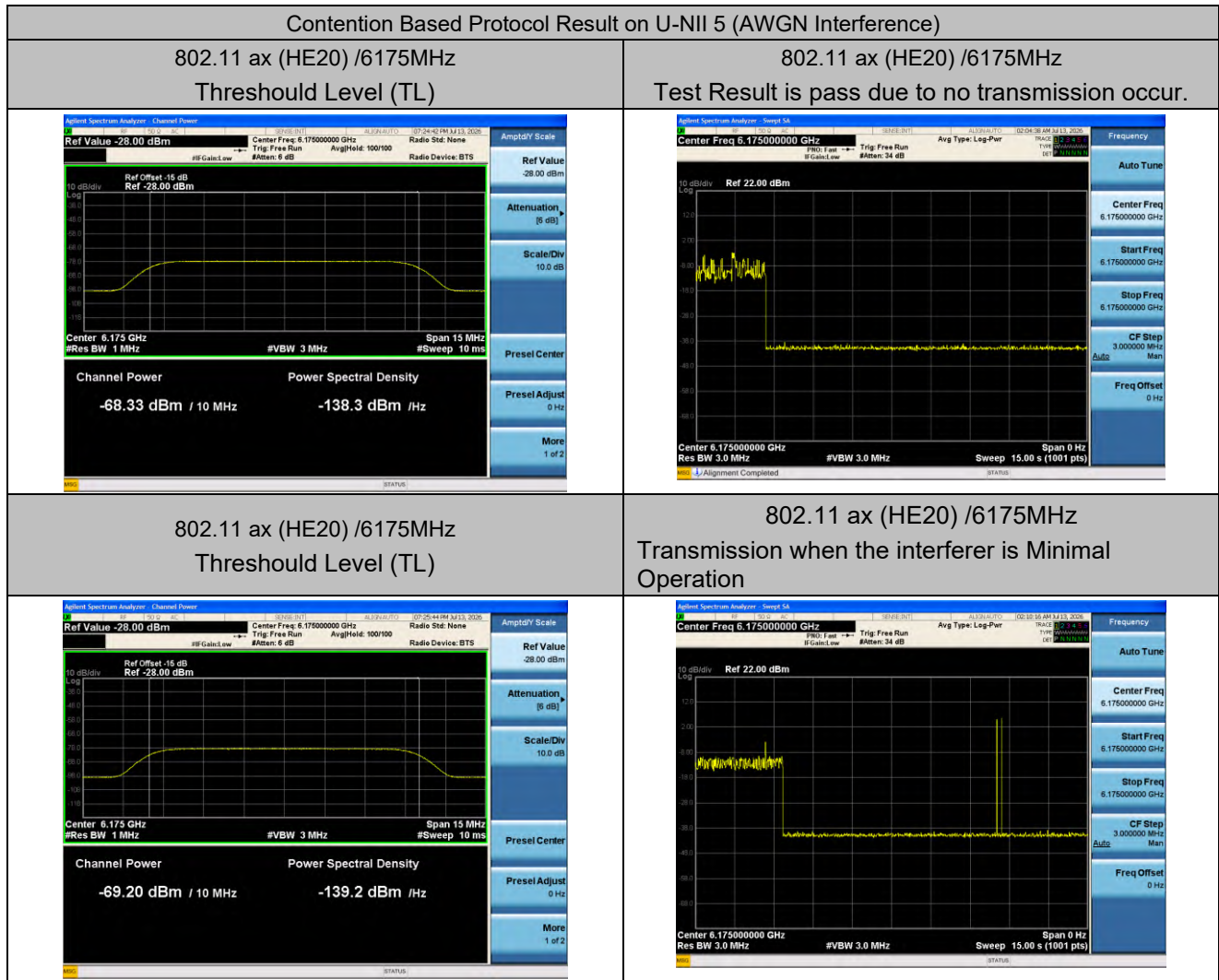
Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent Freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Antenna Gain (dBi)	Margin (dB)
UNII Band 8	6995	20	6995	-67.84	100	-62	-69.44	1.6	7.44
					Result: Stop Transmission				
				-68.99	<90	-62	-70.59	1.6	8.59
					Result: Minimal Operation				
				-71.36	0	-62	-72.96	1.6	10.96
	6745	320	6590		Result: Normal Operation				
				-67.22	100	-62	-68.82	1.6	6.82
					Result: Stop Transmission				
				-68.32	<90	-62	-69.92	1.6	7.92
					Result: Minimal Operation				
				-70.85	0	-62	-72.45	1.6	10.45
					Result: Normal Operation				
			6745	-65.78	100	-62	-67.38	1.6	5.38
					Result: Stop Transmission				
				-66.79	<90	-62	-68.39	1.6	6.39
					Result: Minimal Operation				
				-69.89	0	-62	-71.49	1.6	9.49
					Result: Normal Operation				
			6900	-67	100	-62	-68.6	1.6	6.6
					Result: Stop Transmission				
				-68.01	<90	-62	-69.61	1.6	7.61
					Result: Minimal Operation				
				-70.88	0	-62	-72.48	1.6	10.48
					Result: Normal Operation				

Note1: Adjusted Power (dBm)= Injected AWGN Level (dBm) — Antenna Gain (dBi)

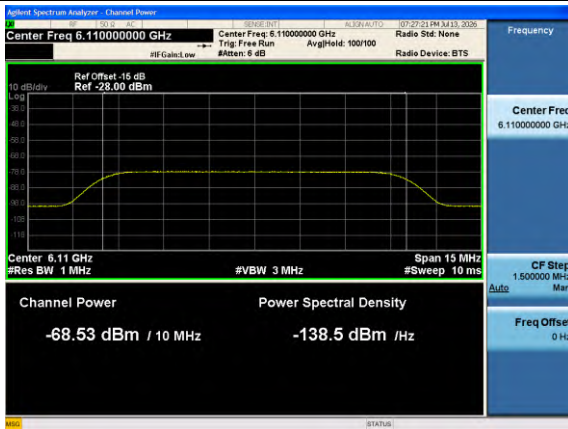
Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)

Test Graphs

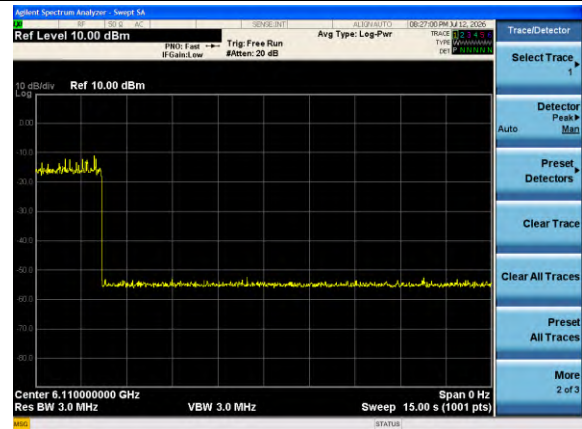


Contention Based Protocol Result on U-NII 5 (AWGN Interference)

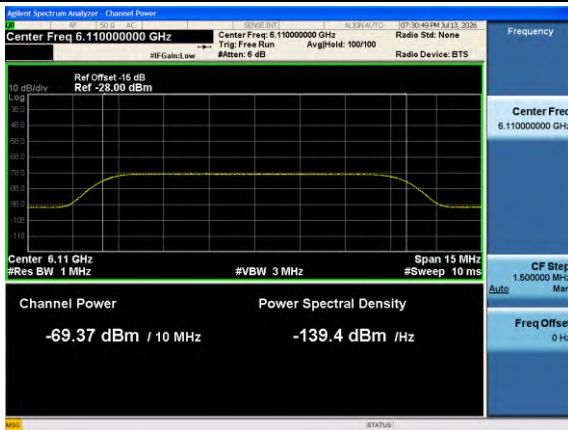
802.11 BE(EH320) /6110MHz
Threshold Level (TL)



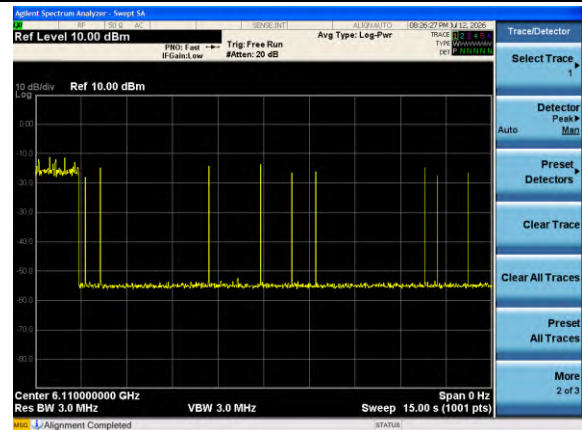
802.11 BE(EH320) /6110MHz
Test Result is pass due to no transmission occur.



802.11 BE(EH320) /6110MHz
Threshold Level (TL)

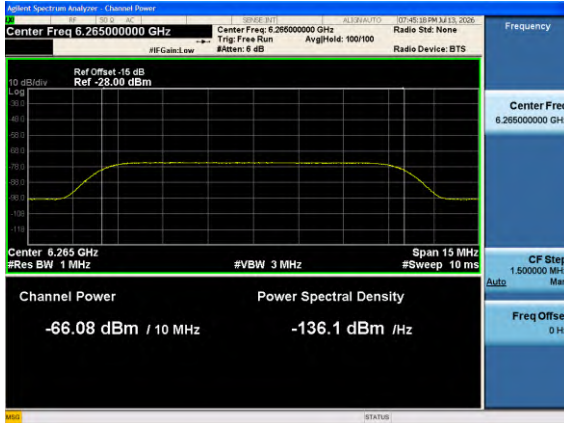


802.11 BE(EH320) /6110MHz
Transmission when the interferer is Minimal Operation



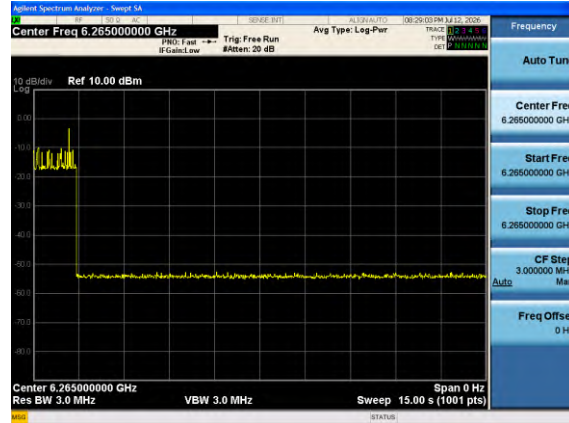
Contention Based Protocol Result on U-NII 5 (AWGN Interference)

802.11 BE(EH320) 6265MHz
Threshold Level (TL)

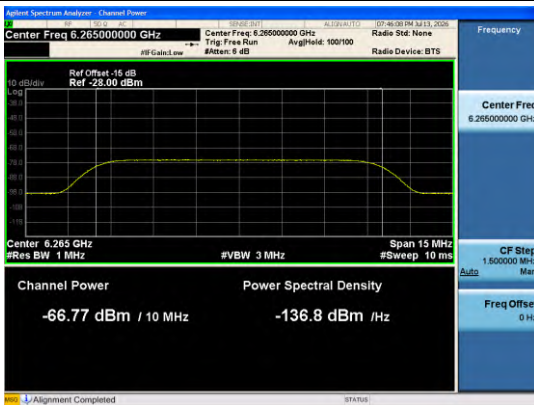


802.11 BE(EH320) /6265MHz

Test Result is pass due to no transmission occur.

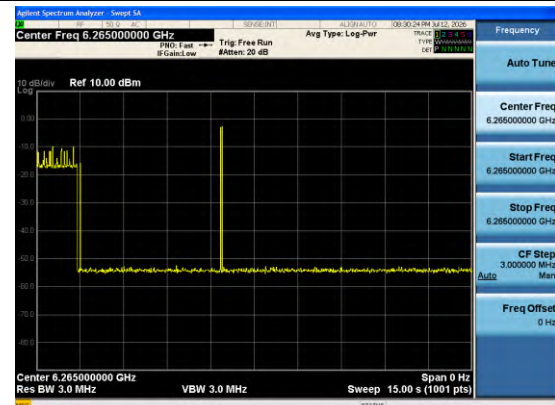


802.11 BE(EH320) /6265MHz
Threshold Level (TL)



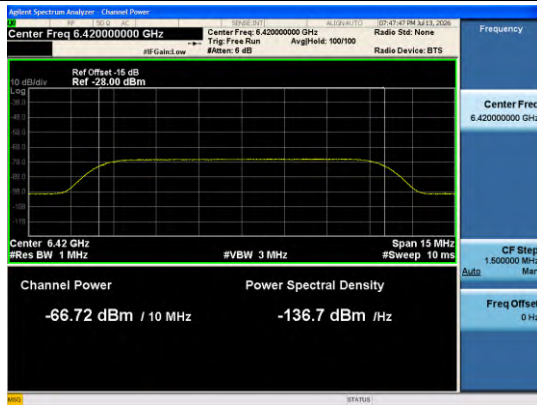
802.11 BE(EH320) /6265MHz

Transmission when the interferer is Minimal Operation

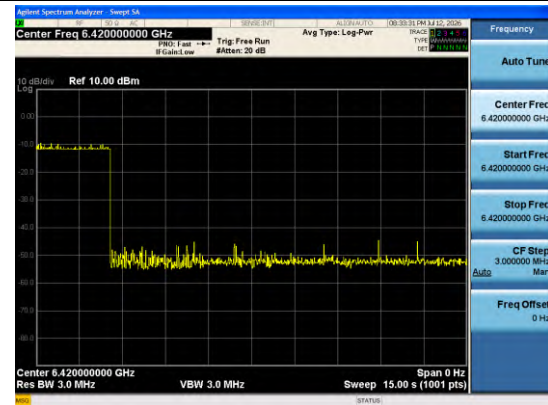


Contention Based Protocol Result on U-NII 5 (AWGN Interference)

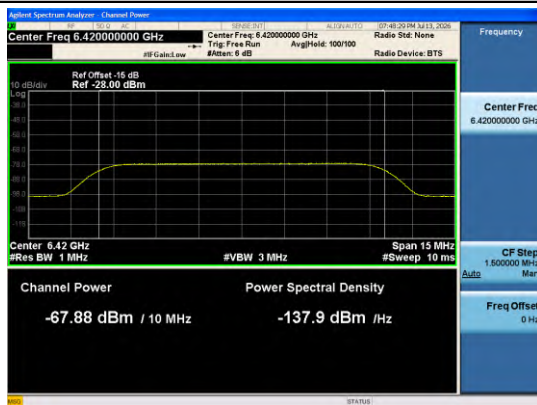
802.11 BE(EH320) /6420MHz
Threshold Level (TL)



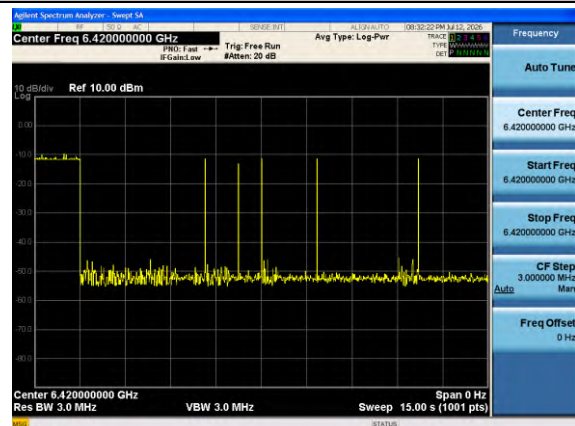
802.11 BE(EH320) /6420MHz
Test Result is pass due to no transmission occur.

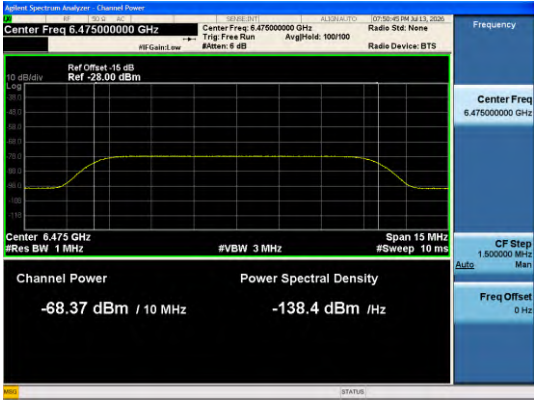
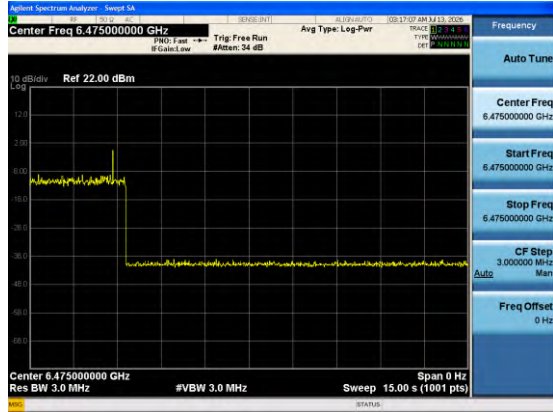
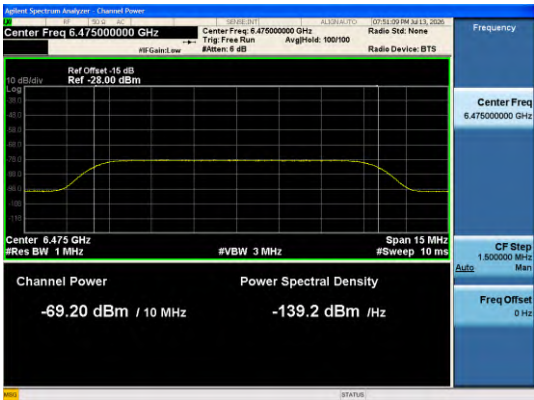
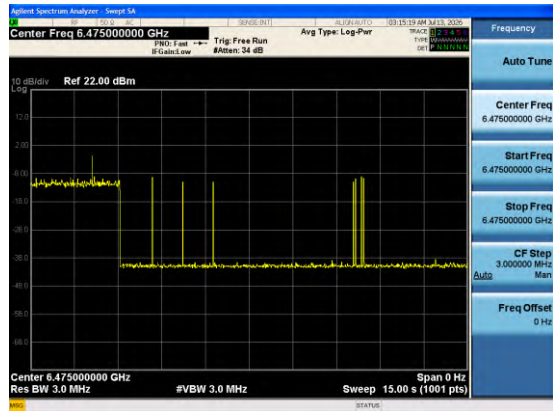


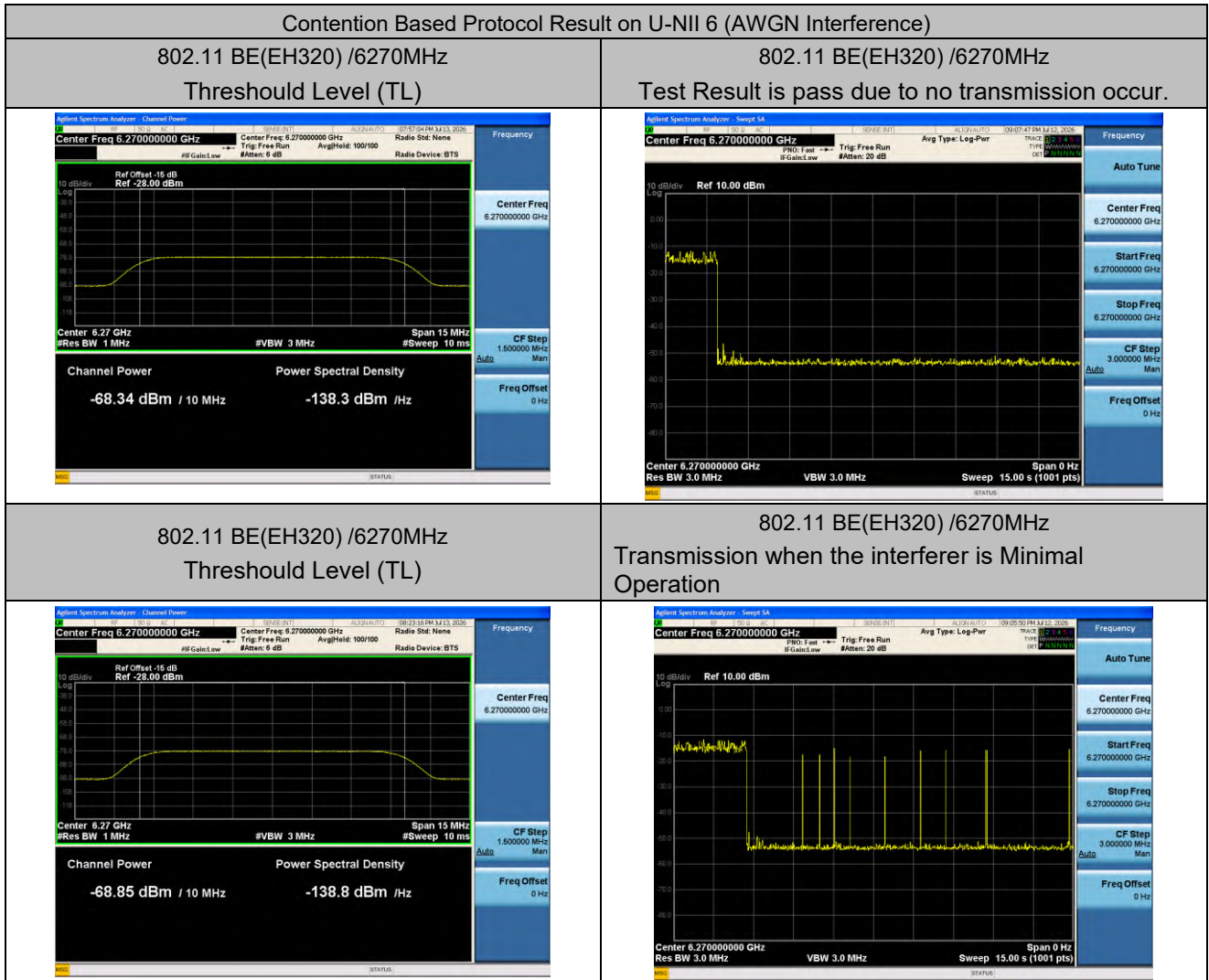
802.11 BE(EH320) /6420MHz
Threshold Level (TL)



802.11 BE(EH320) /6420MHz
Transmission when the interferer is Minimal
Operation

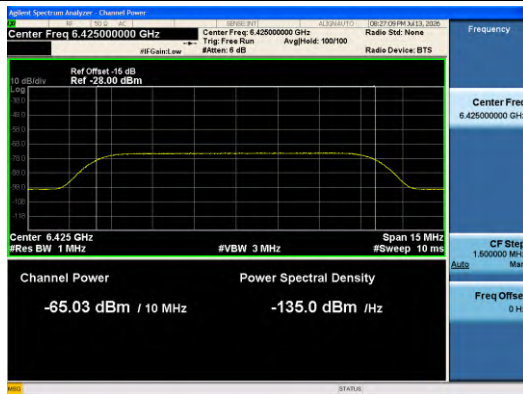


Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 ax (HE20) /6475MHz Threshold Level (TL) 	802.11 ax (HE20) 6475MHz Test Result is pass due to no transmission occur. 
802.11 ax (HE20) /6475MHz Threshold Level (TL) 	802.11 ax (HE20) /6475MHz Transmission when the interferer is Minimal Operation 

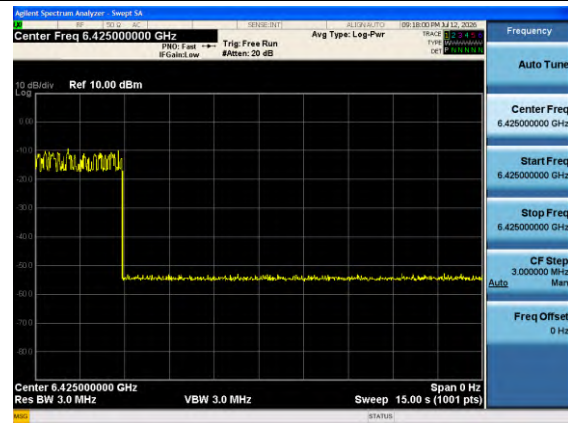


Contention Based Protocol Result on U-NII 6 (AWGN Interference)

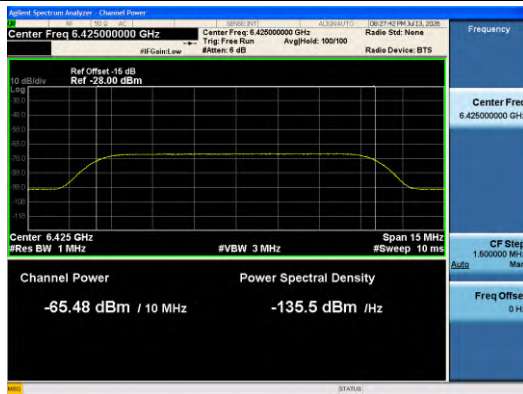
802.11 BE(EH320) /6425MHz
Threshold Level (TL)



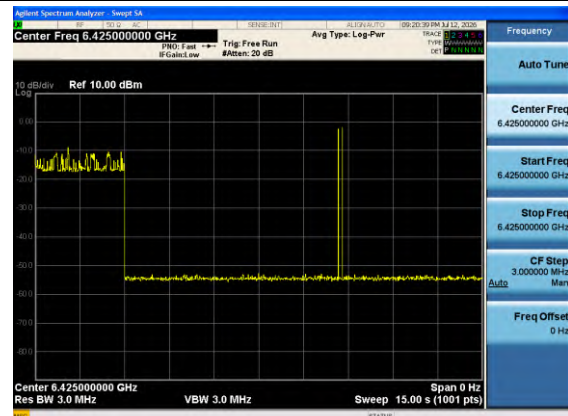
802.11 BE(EH320) /6425MHz
Test Result is pass due to no transmission occur.

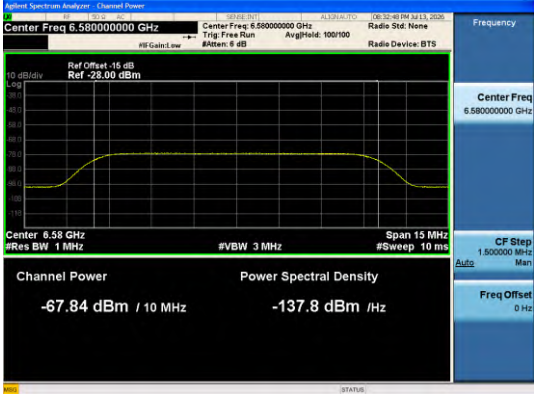
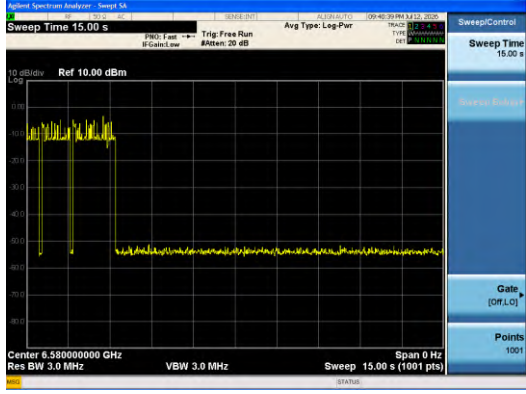
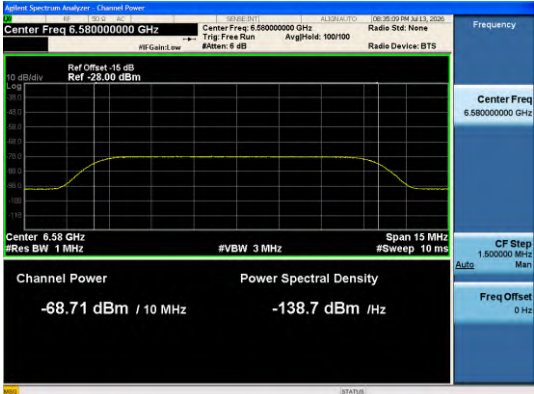
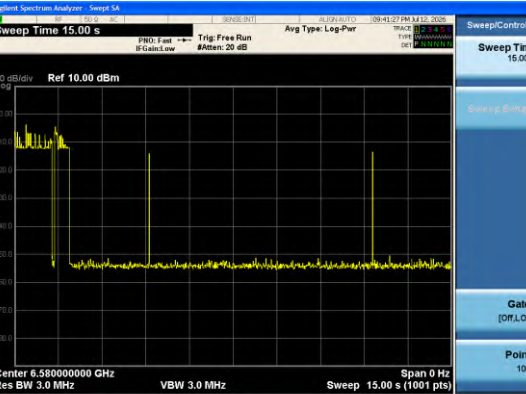


802.11 BE(EH320) /6425MHz
Threshold Level (TL)



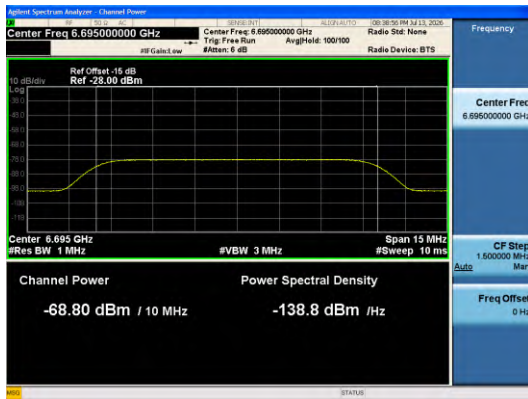
802.11 BE(EH320) /6425MHz
Transmission when the interferer is Minimal Operation



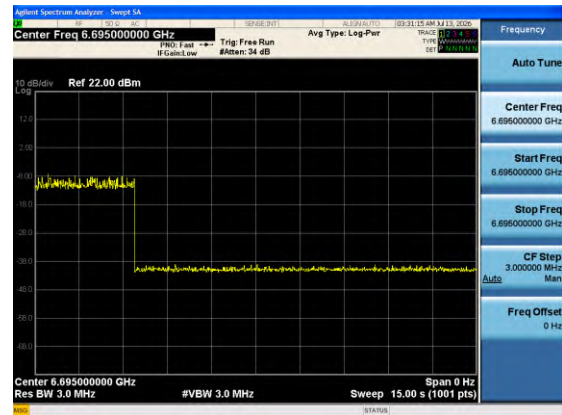
Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 BE(EH320) /6580MHz Threshold Level (TL)	802.11 BE(EH320) /6580MHz Test Result is pass due to no transmission occur.
	
802.11 BE(EH320) /6580MHz Threshold Level (TL)	802.11 BE(EH320) /6580MHz Transmission when the interferer is Minimal Operation
	

Contention Based Protocol Result on U-NII 7 (AWGN Interference)

802.11 ax (HE20) /6695MHz Threshold Level (TL)



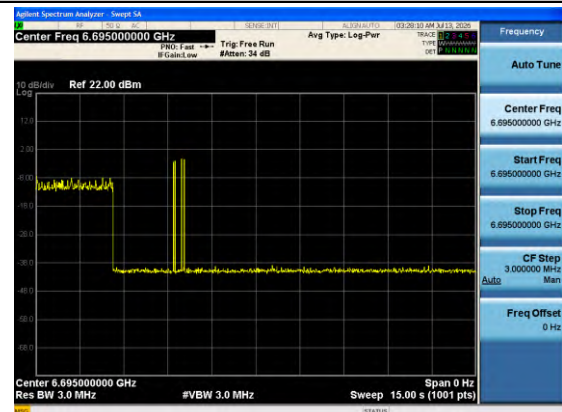
802.11 ax (HE20) /6695MHz Test Result is pass due to no transmission occur.



802.11 ax (HE20) /6695MHz Threshold Level (TL)

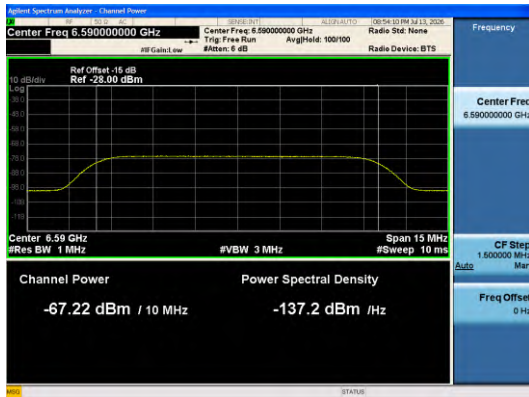


802.11 ax (HE20) /6695MHz Transmission when the interferer is Minimal Operation

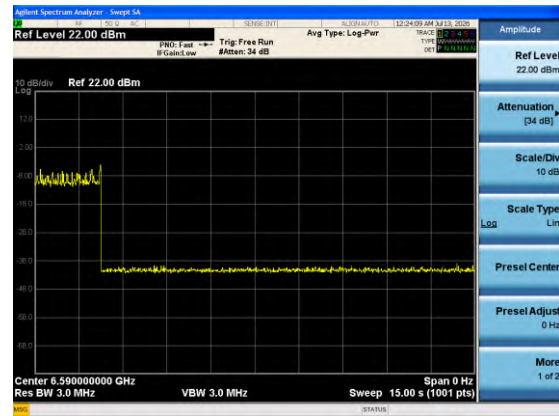


Contention Based Protocol Result on U-NII 7 (AWGN Interference)

802.11 BE(EH320) /6590MHz
Threshold Level (TL)



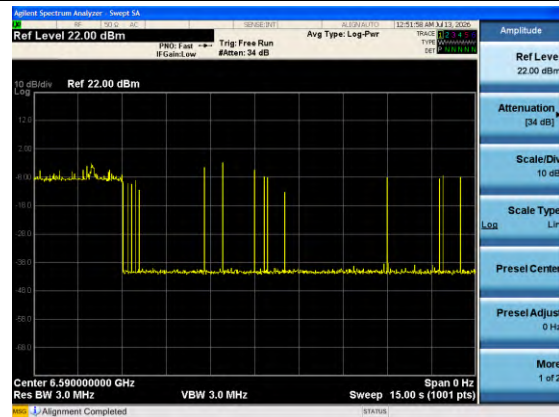
802.11 BE(EH320) /6590MHz
Test Result is pass due to no transmission occur.

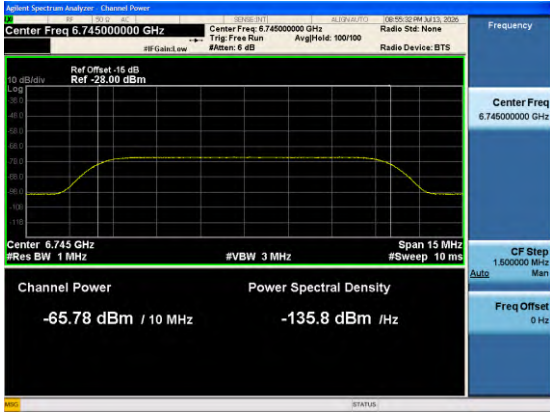
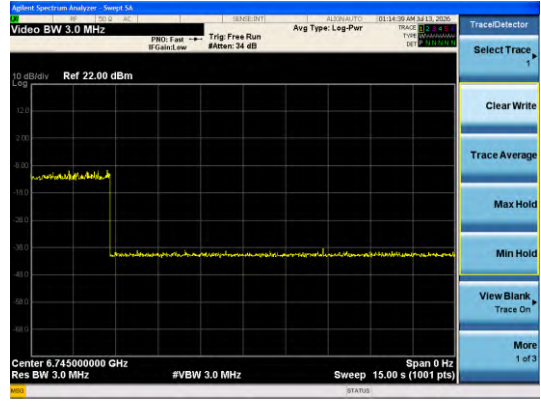
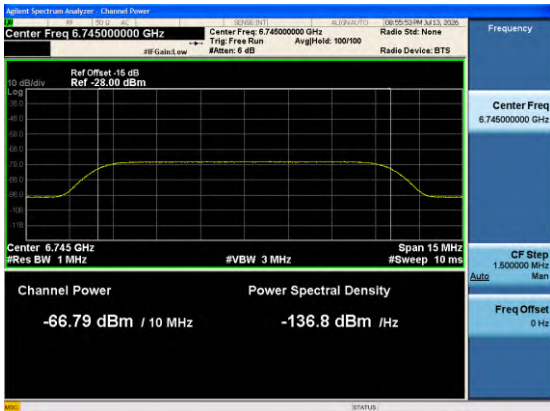
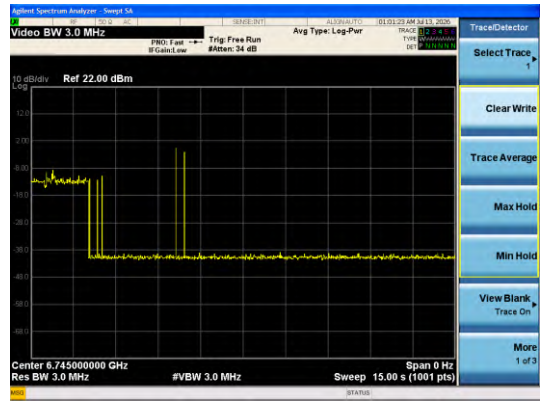


802.11 BE(EH320) /6590MHz
Threshold Level (TL)



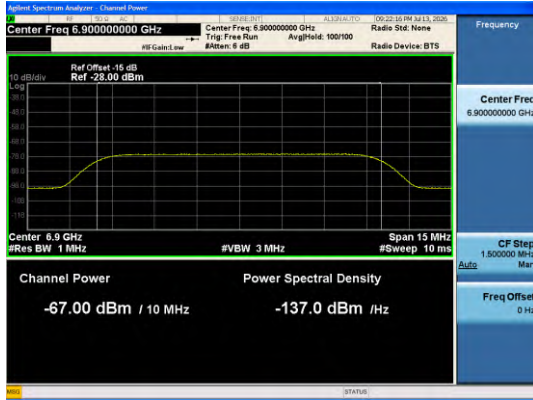
802.11 BE(EH320) /6590MHz
Transmission when the interferer is Minimal Operation



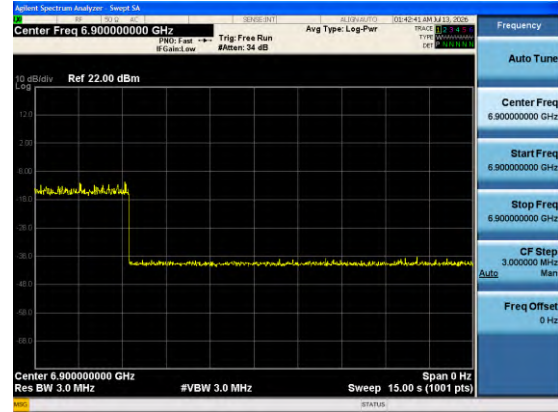
Contention Based Protocol Result on U-NII 7 (AWGN Interference)	
802.11 BE(EH320) /6745MHz Threshold Level (TL) 	802.11 BE(EH320) /6745MHz Test Result is pass due to no transmission occur. 
802.11 BE(EH320) /6745MHz Threshold Level (TL) 	802.11 BE(EH320) /6745MHz Transmission when the interferer is Minimal Operation 

Contention Based Protocol Result on U-NII 7 (AWGN Interference)

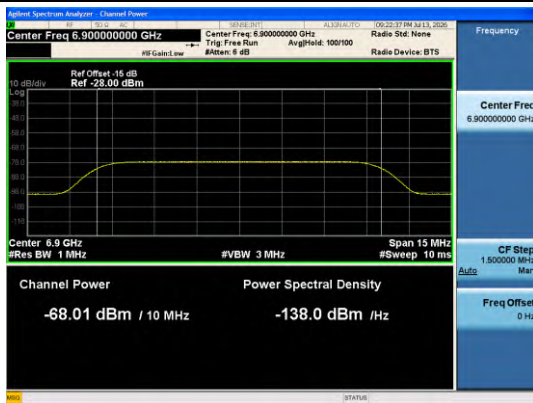
802.11 BE(EH320) /6900MHz
Threshold Level (TL)



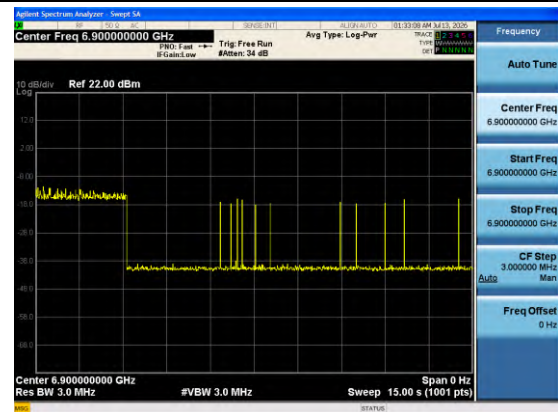
802.11 BE(EH320) /6900MHz
Test Result is pass due to no transmission occur.



802.11 BE(EH320) 6900MHz
Threshold Level (TL)

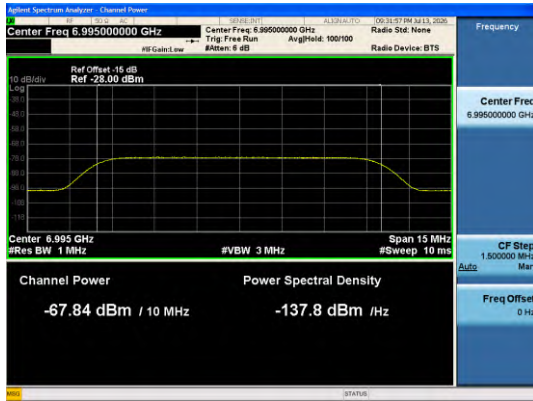


802.11 BE(EH320) /6900MHz
Transmission when the interferer is Minimal
Operation

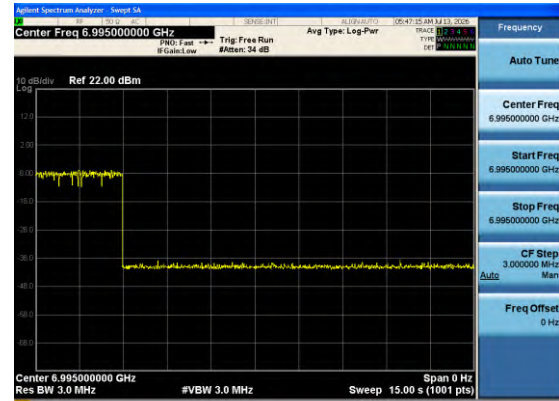


Contention Based Protocol Result on U-NII 8 (AWGN Interference)

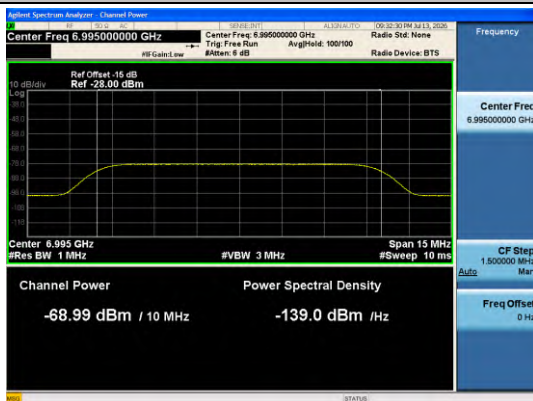
802.11 ax (HE20) /6995MHz
Threshold Level (TL)



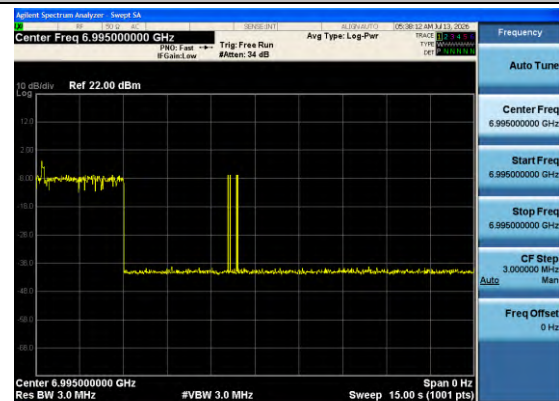
802.11 ax (HE20) /6995MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE20) /6995MHz
Threshold Level (TL)

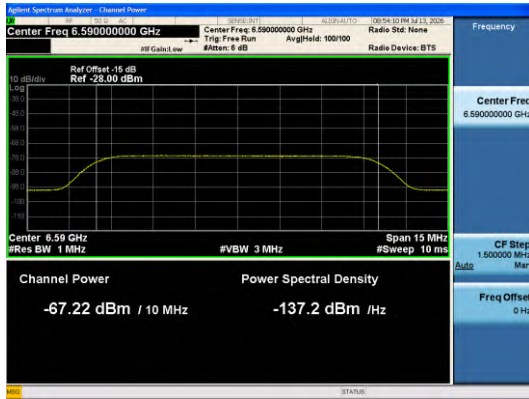


802.11 ax (HE20) /6995MHz
Transmission when the interferer is Minimal Operation

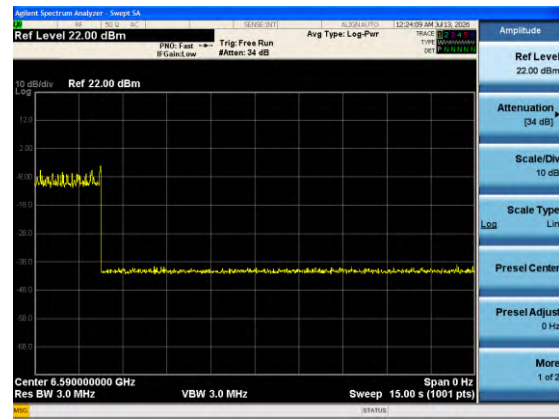


Contention Based Protocol Result on U-NII 8 (AWGN Interference)

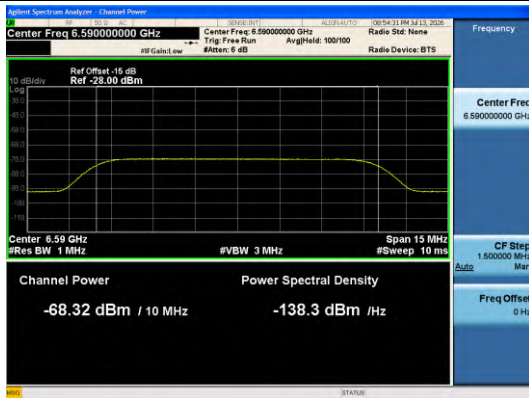
802.11 BE(EH320) /6590MHz
Threshold Level (TL)



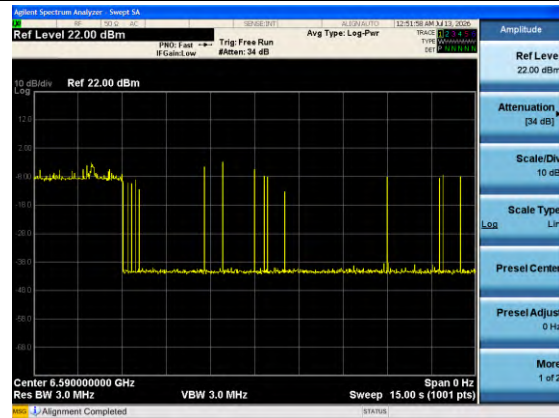
802.11 BE(EH320) /6590MHz
Test Result is pass due to no transmission occur.



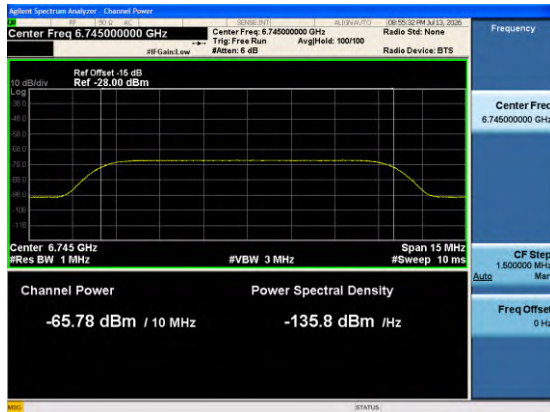
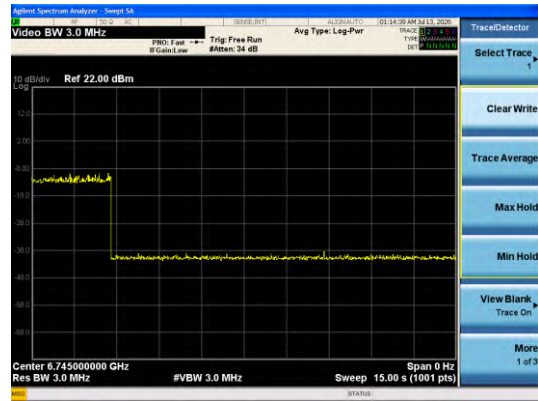
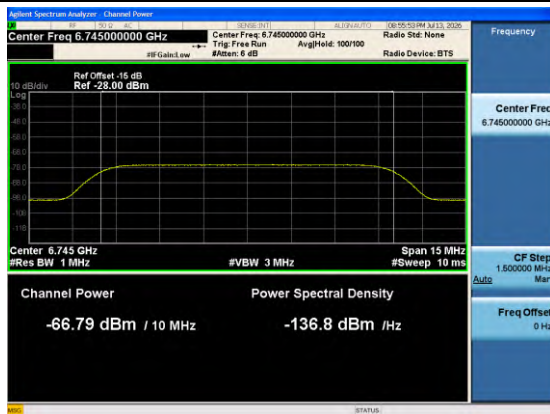
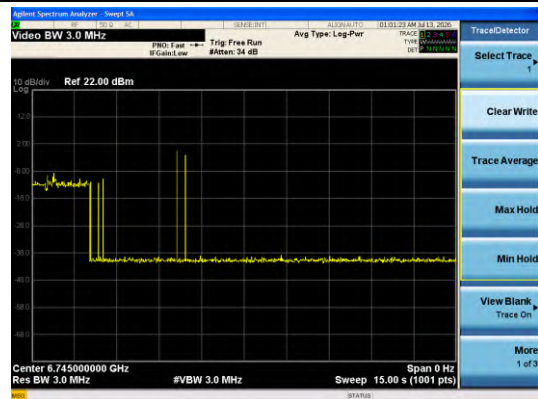
802.11 BE(EH320) /6590MHz
Threshold Level (TL)



802.11 BE(EH320) /6590MHz
Transmission when the interferer is Minimal
Operation

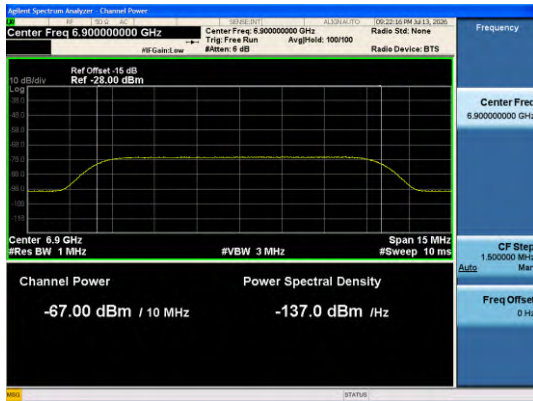


Contention Based Protocol Result on U-NII8 (AWGN Interference)

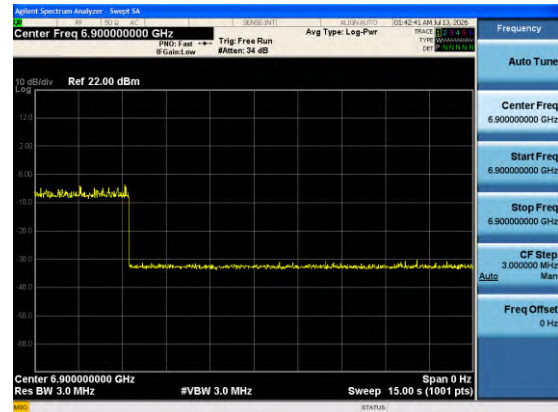
802.11 BE(EH320) /6745MHz
Threshold Level (TL)

802.11 BE(EH320) /6745MHz
Test Result is pass due to no transmission occur.

802.11 BE(EH320) /6745MHz
Threshold Level (TL)

802.11 BE(EH320) /6745MHz
Transmission when the interferer is Minimal Operation


Contention Based Protocol Result on U-NII 8 (AWGN Interference)

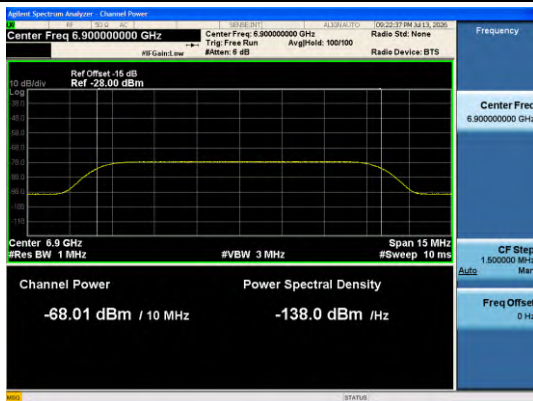
802.11 BE(EH320) /6900MHz
Threshold Level (TL)



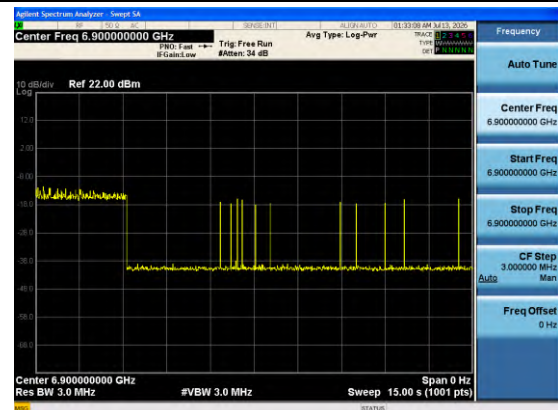
802.11 BE(EH320) /6900MHz
Test Result is pass due to no transmission occur.



802.11 BE(EH320) 6900MHz
Threshold Level (TL)



802.11 BE(EH320) /6900MHz
Transmission when the interferer is Minimal
Operation

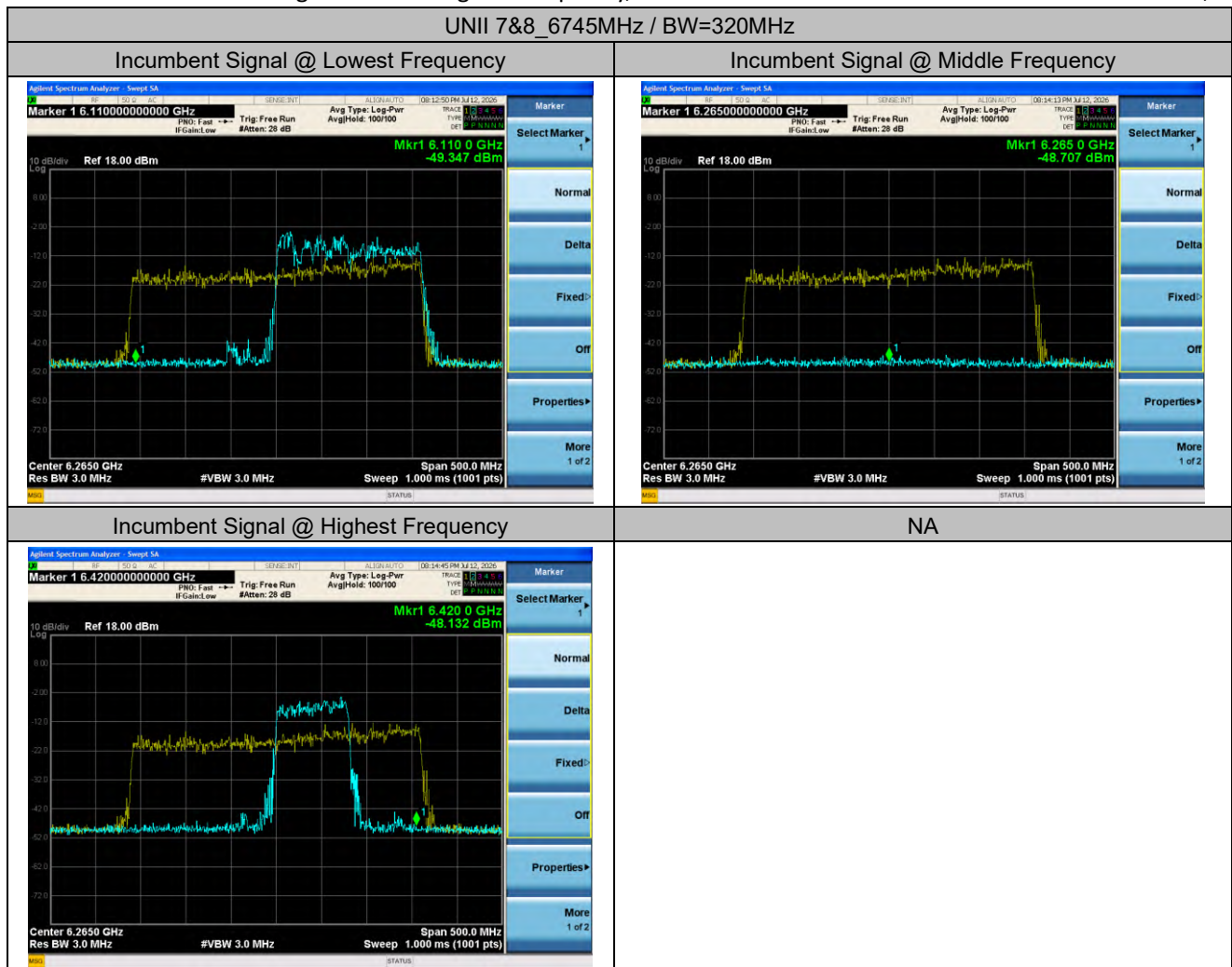


Verify Contention Based Protocol Transmission Bandwidth Reduction

802.11be does not support channel puncturing in CBP mode, only channel bandwidth reduction is applied.

The yellow trace show the full 320MHz transmission prior to AWGN injection, the blue trace show the transmission spectrum after AWGN injection:

1. When the Incumbent Signal occur at lowest frequency, the transmission bandwidth reduced to lower 160MHz;
2. When the Incumbent Signal occur at middle frequency, the total 320M bandwidth stop transmission;
3. When the Incumbent Signal occur at highest frequency, the transmission bandwidth reduced to lower 80MHz;



- End of the Report -