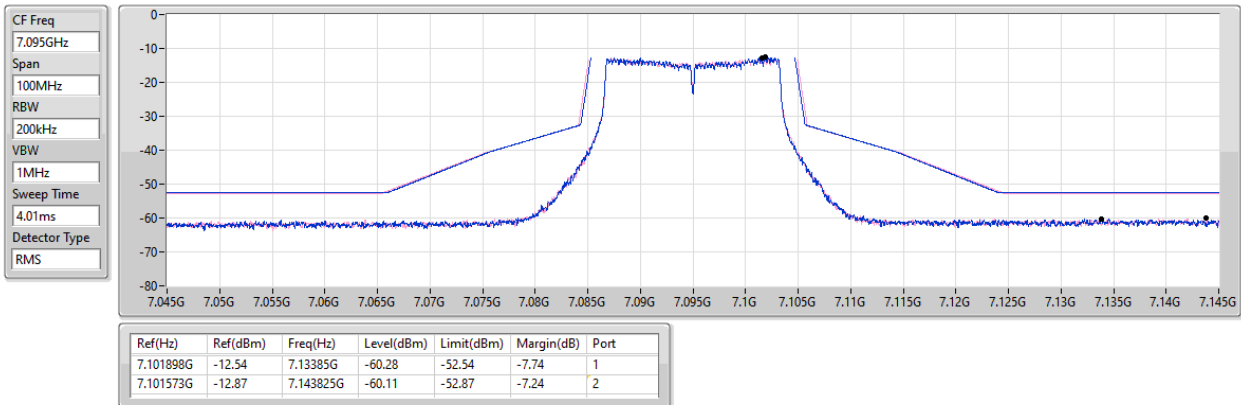


6.875-7.125GHz_11a20_20MHz_Nss1,(6Mbps)_2TX

MASK

7095MHz_TX

24/05/2023

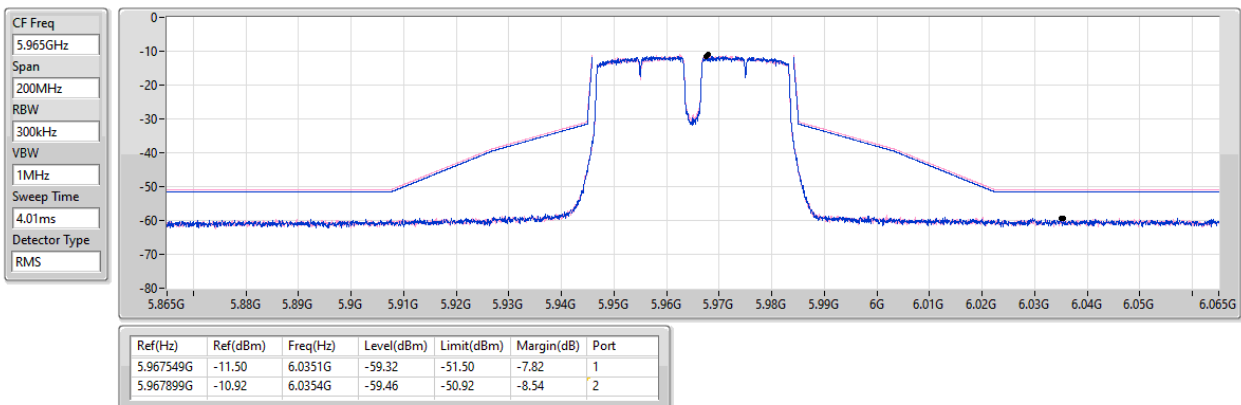


5.925-6.425GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

5965MHz_TX

24/05/2023

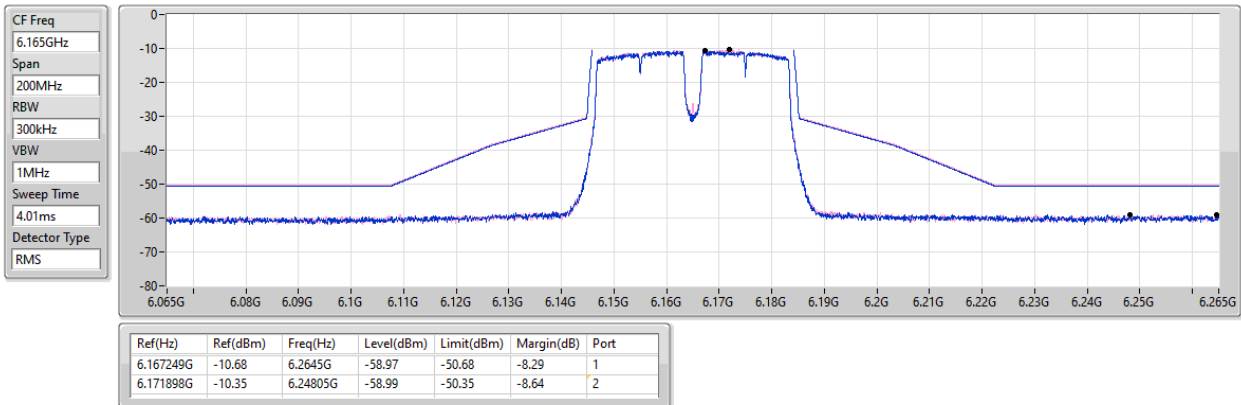


5.925-6.425GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6165MHz_TX

24/05/2023

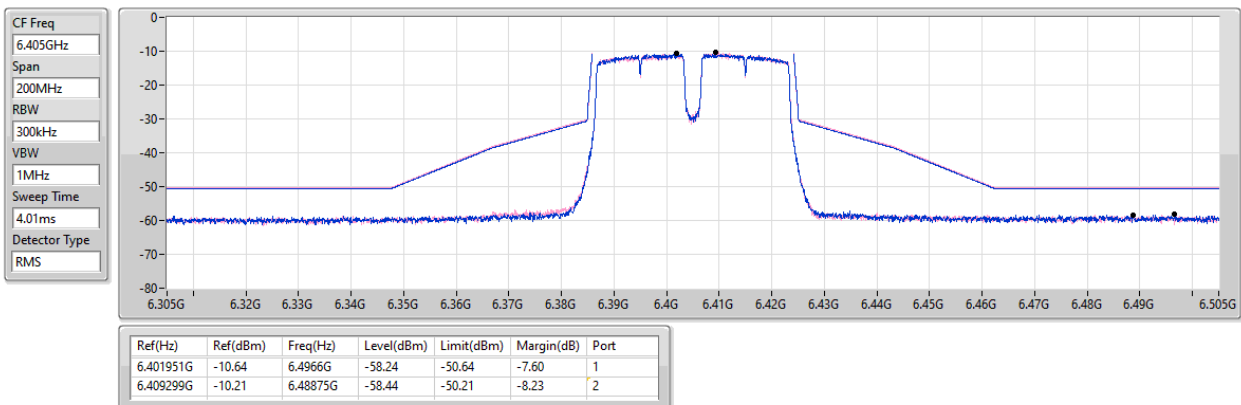


5.925-6.425GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6405MHz_TX

24/05/2023



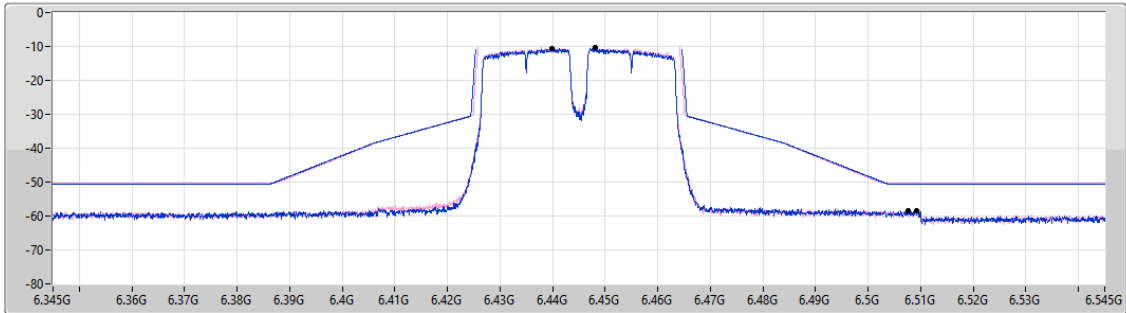
6.425-6.525GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6445MHz_TX

24/05/2023

CF Freq
6.445GHz
Span
200MHz
RBW
300kHz
VBW
1MHz
Sweep Time
4.01ms
Detector Type
RMS



Port 1
Port 2

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.439901G	-10.58	6.50755G	-58.48	-50.58	-7.90	1
6.448099G	-10.20	6.5093G	-58.33	-50.20	-8.13	2

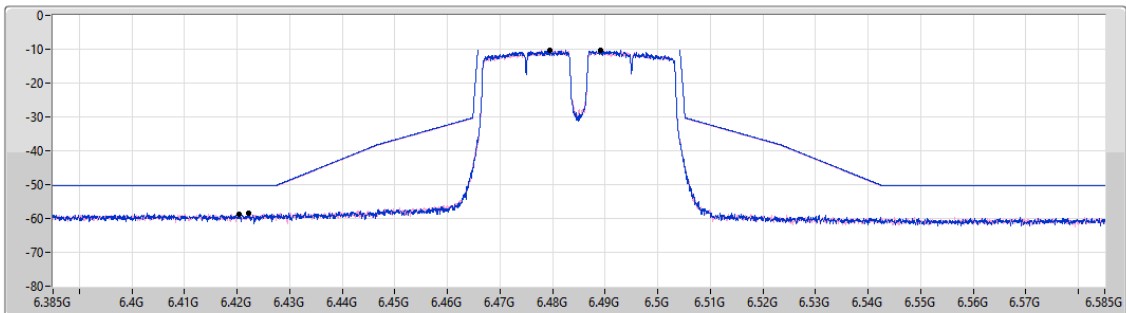
6.425-6.525GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6485MHz_TX

24/05/2023

CF Freq
6.485GHz
Span
200MHz
RBW
300kHz
VBW
1MHz
Sweep Time
4.01ms
Detector Type
RMS



Port 1
Port 2

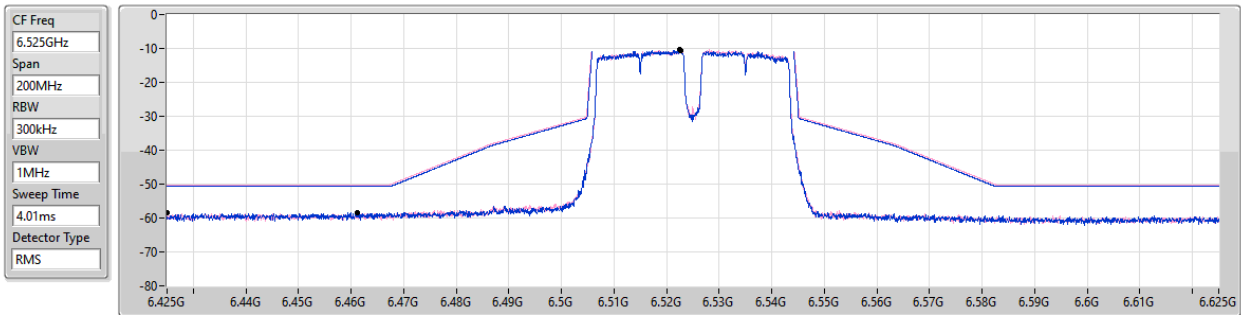
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.489049G	-10.26	6.4221G	-58.38	-50.26	-8.12	1
6.479451G	-10.44	6.4204G	-58.61	-50.44	-8.17	2

6.425-6.525GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6525MHz_TX

24/05/2023

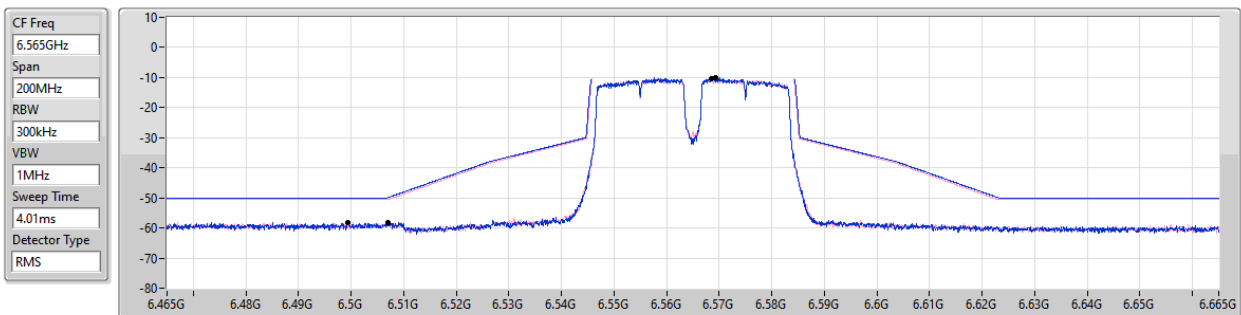


6.525-6.875GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6565MHz_TX

24/05/2023

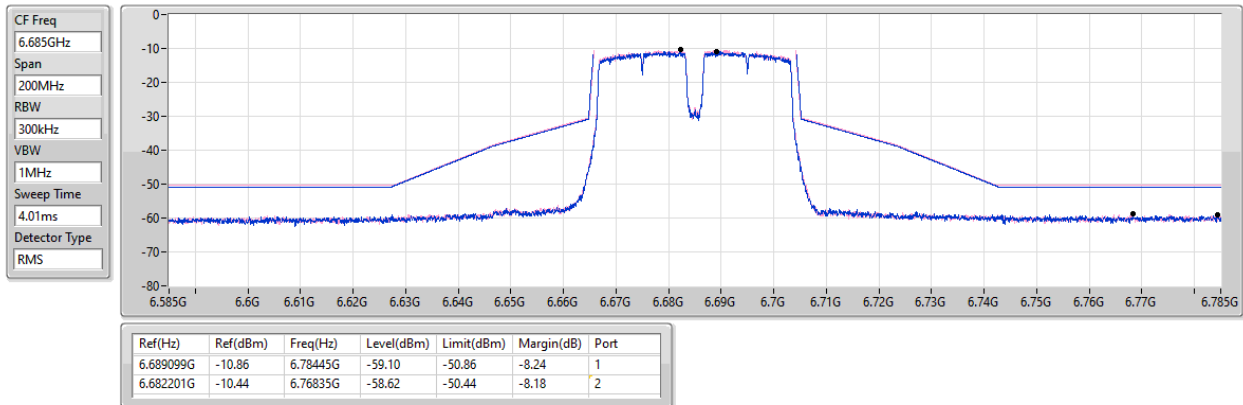


6.525-6.875GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6685MHz_TX

24/05/2023

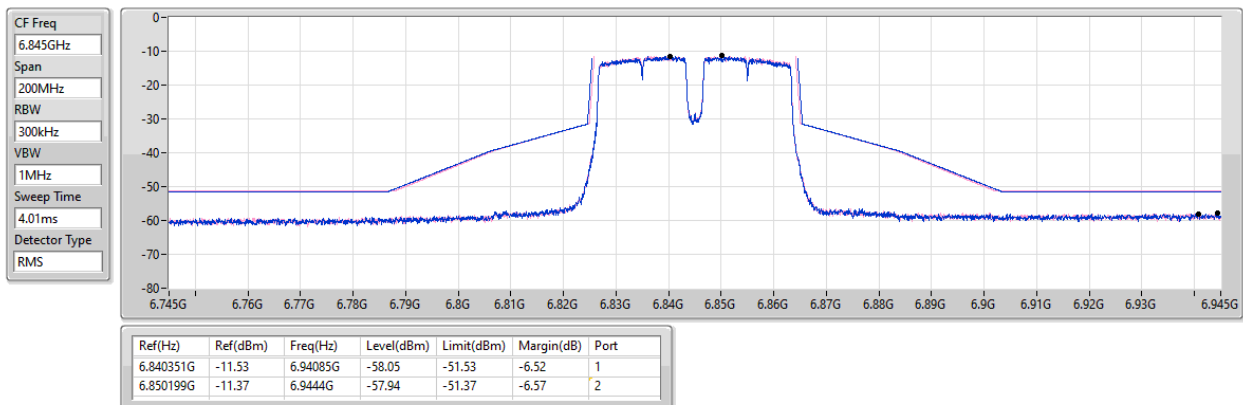


6.525-6.875GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6845MHz_TX

24/05/2023

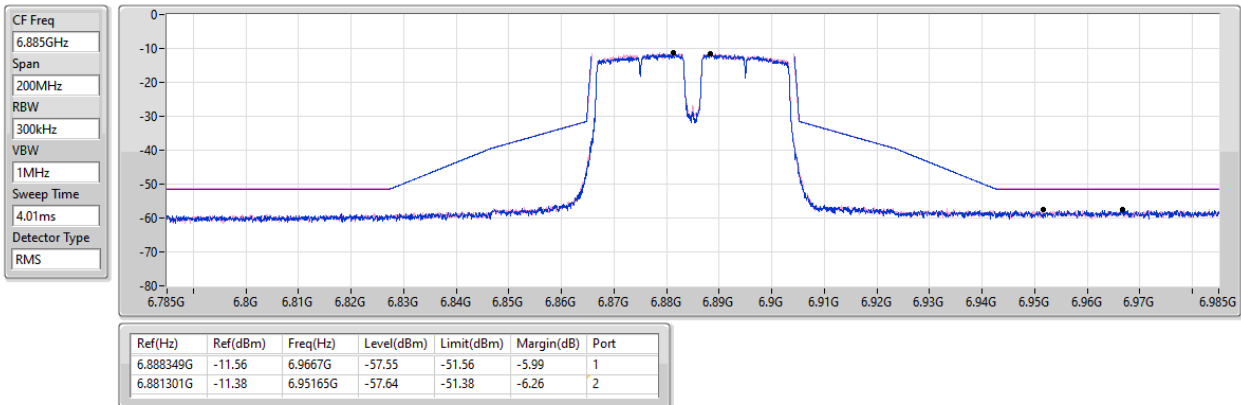


6.525-6.875GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6885MHz_TX

24/05/2023

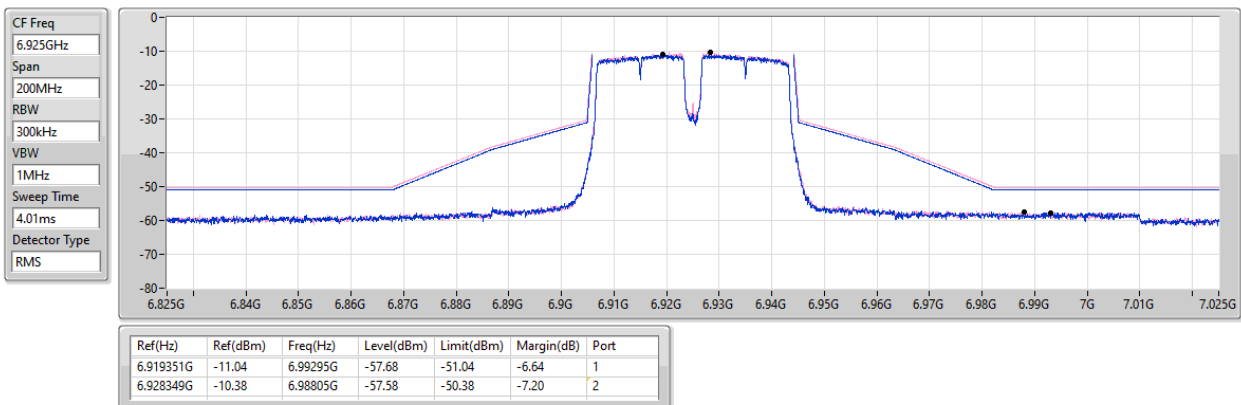


6.875-7.125GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

6925MHz_TX

24/05/2023

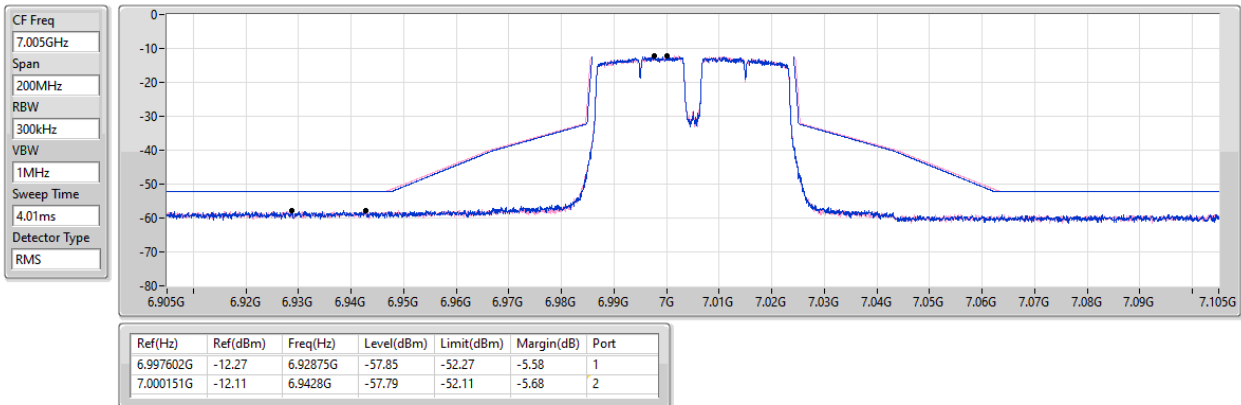


6.875-7.125GHz_11a40_40MHz_Nss1,(6Mbps)_2TX

MASK

7005MHz_TX

24/05/2023

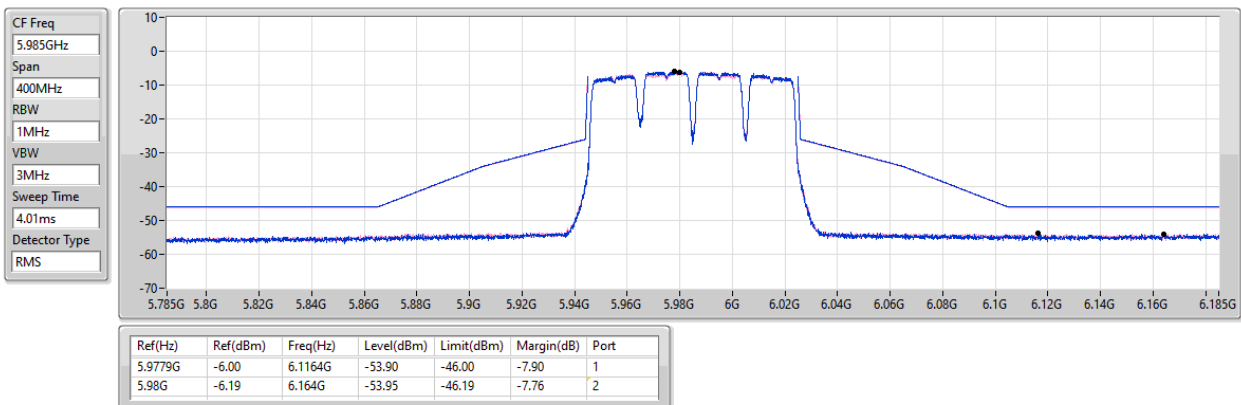


5.925-6.425GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

5985MHz_TX

24/05/2023



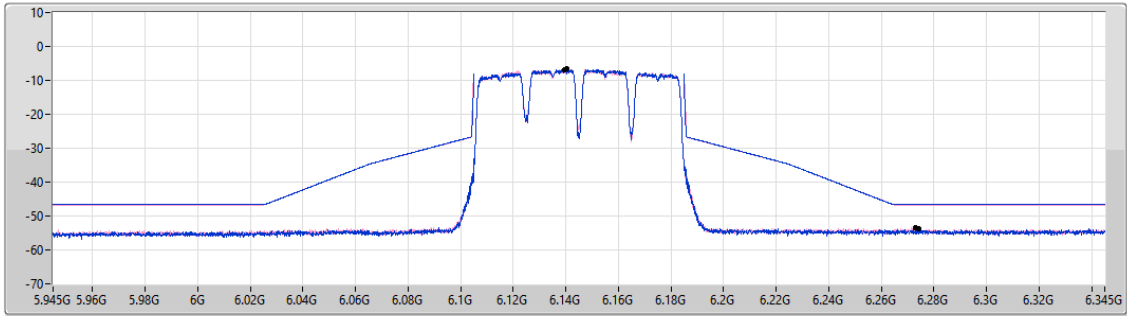
5.925-6.425GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6145MHz_TX

24/05/2023

CF Freq
6.145GHz
Span
400MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.01ms
Detector Type
RMS



Port 1
Port 2

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.1402G	-6.66	6.2742G	-53.85	-46.66	-7.19	1
6.1397G	-6.80	6.273G	-53.56	-46.80	-6.76	2

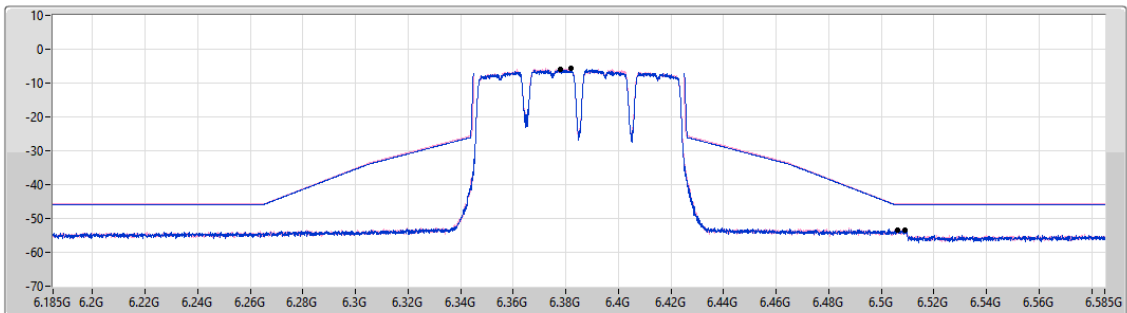
5.925-6.425GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6385MHz_TX

24/05/2023

CF Freq
6.385GHz
Span
400MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.01ms
Detector Type
RMS



Port 1
Port 2

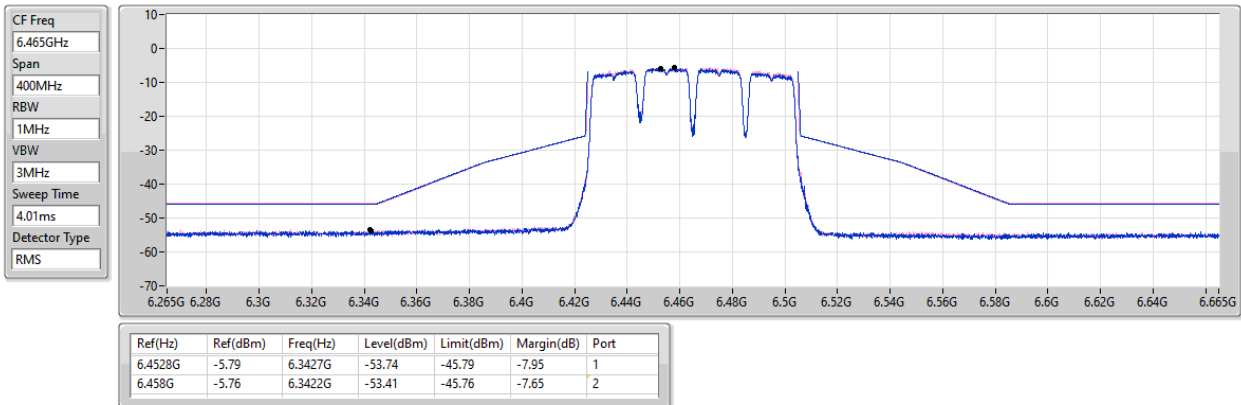
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.3778G	-6.05	6.5063G	-53.59	-46.05	-7.54	1
6.3821G	-5.53	6.509G	-53.37	-45.53	-7.84	2

6.425-6.525GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6465MHz_TX

24/05/2023

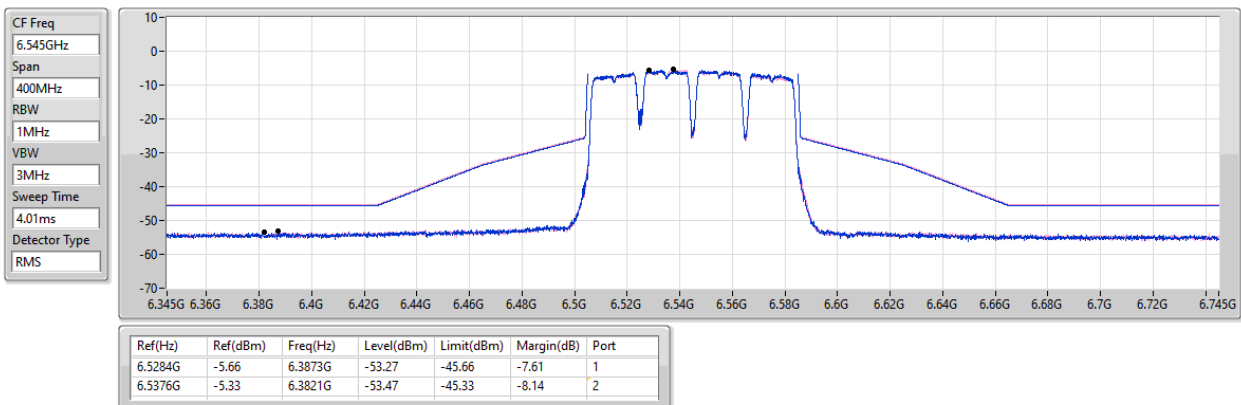


6.425-6.525GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6545MHz_TX

24/05/2023



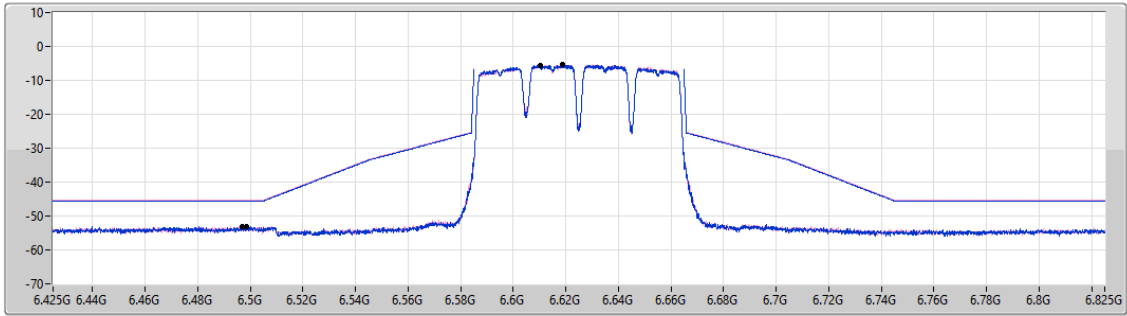
6.525-6.875GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6625MHz_TX

24/05/2023

CF Freq
6.625GHz
Span
400MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.01ms
Detector Type
RMS



Port 1
Port 2

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.6104G	-5.52	6.4987G	-53.12	-45.52	-7.60	1
6.6188G	-5.29	6.497G	-53.12	-45.29	-7.83	2

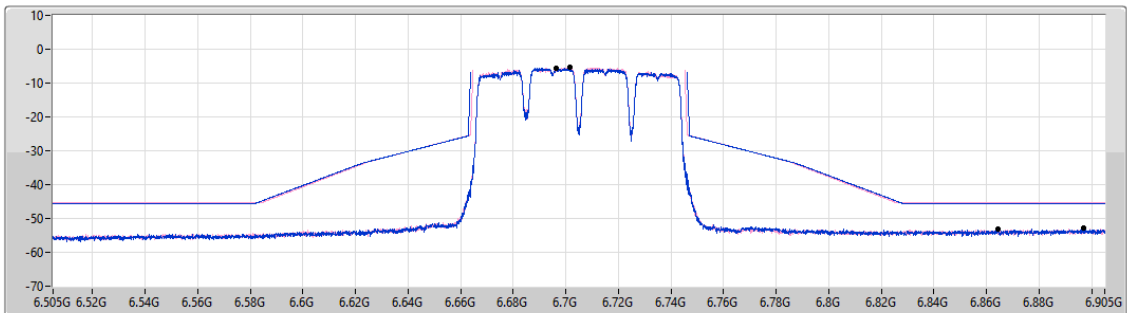
6.525-6.875GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6705MHz_TX

24/05/2023

CF Freq
6.705GHz
Span
400MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.01ms
Detector Type
RMS



Port 1
Port 2

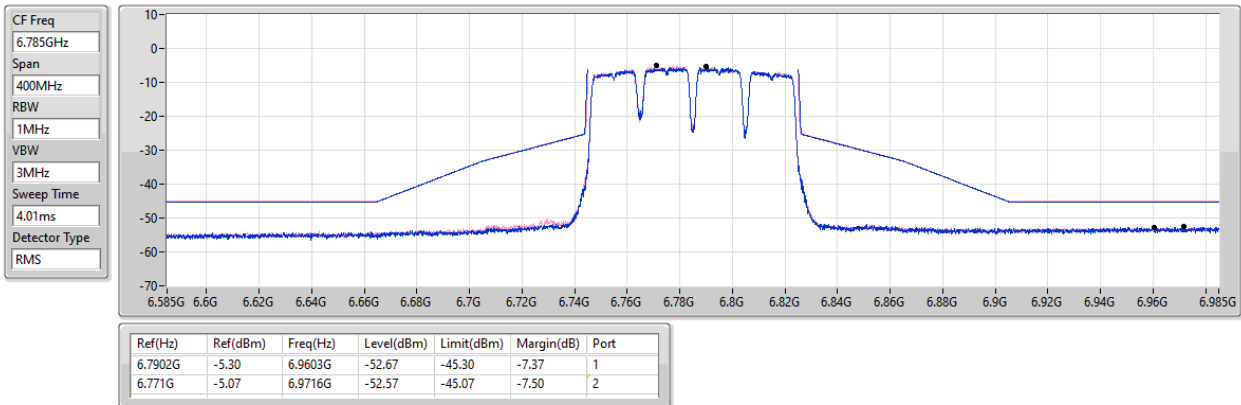
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.6962G	-5.64	6.8644G	-53.16	-45.64	-7.52	1
6.7014G	-5.36	6.8968G	-52.88	-45.36	-7.52	2

6.525-6.875GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6785MHz_TX

24/05/2023

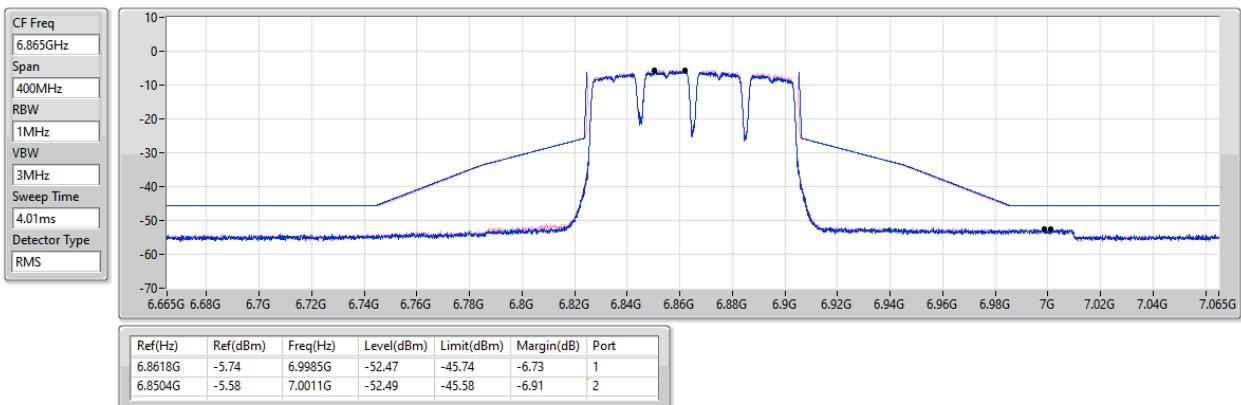


6.525-6.875GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6865MHz_TX

24/05/2023

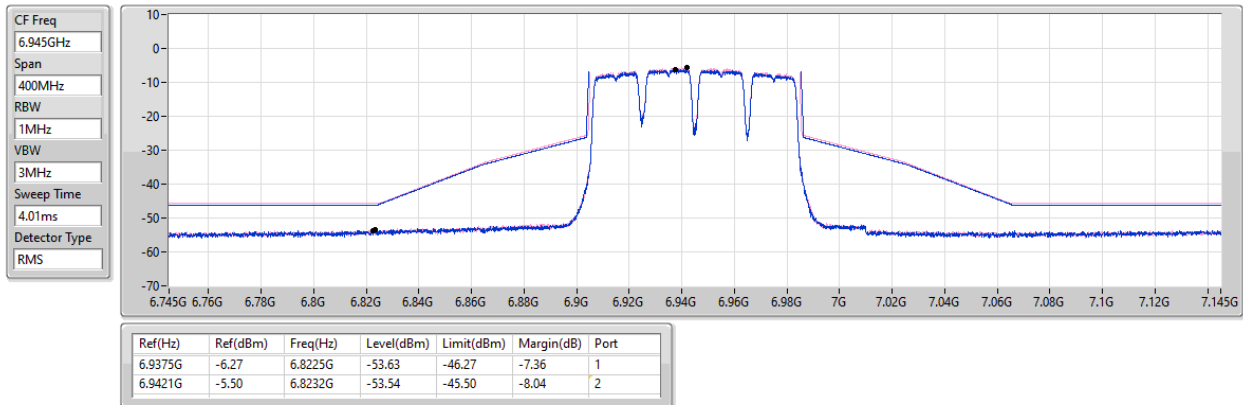


6.875-7.125GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

6945MHz_TX

24/05/2023

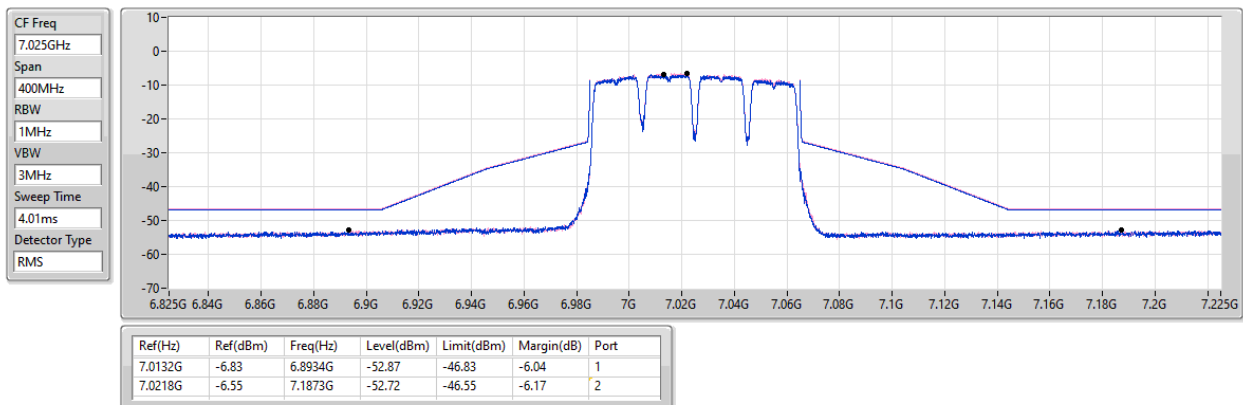


6.875-7.125GHz_11a80_80MHz_Nss1,(6Mbps)_2TX

MASK

7025MHz_TX

24/05/2023

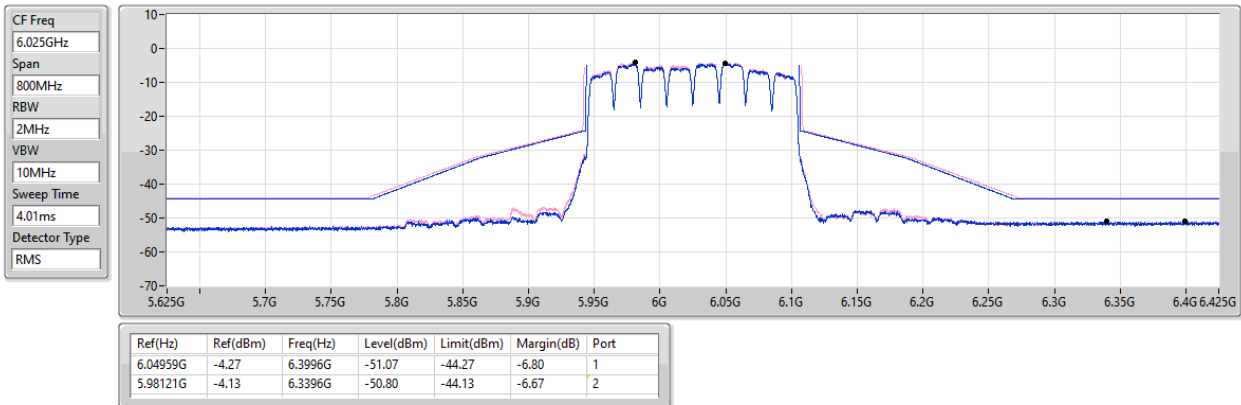


5.925-6.425GHz_11a160_160MHz_Nss1,(6Mbps)_2TX

MASK

6025MHz_TX

24/05/2023

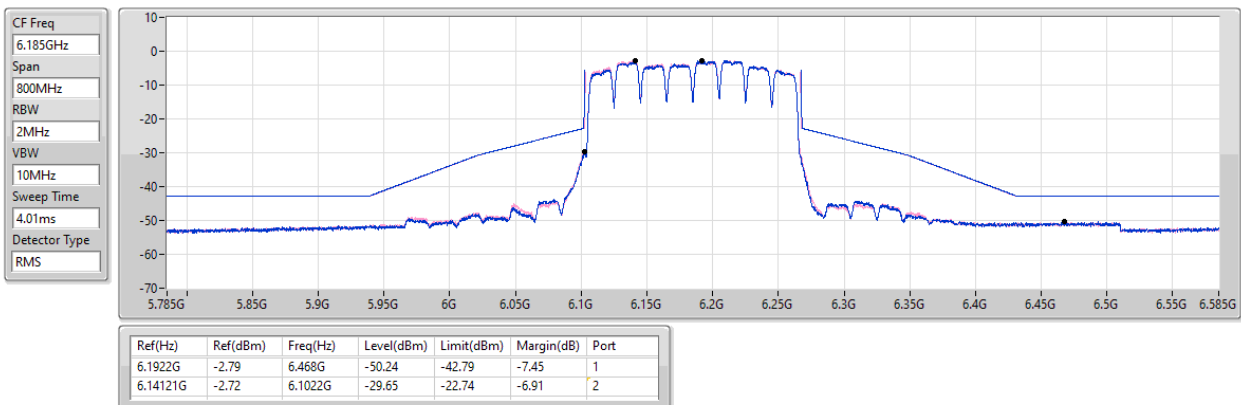


5.925-6.425GHz_11a160_160MHz_Nss1,(6Mbps)_2TX

MASK

6185MHz_TX

18/05/2023

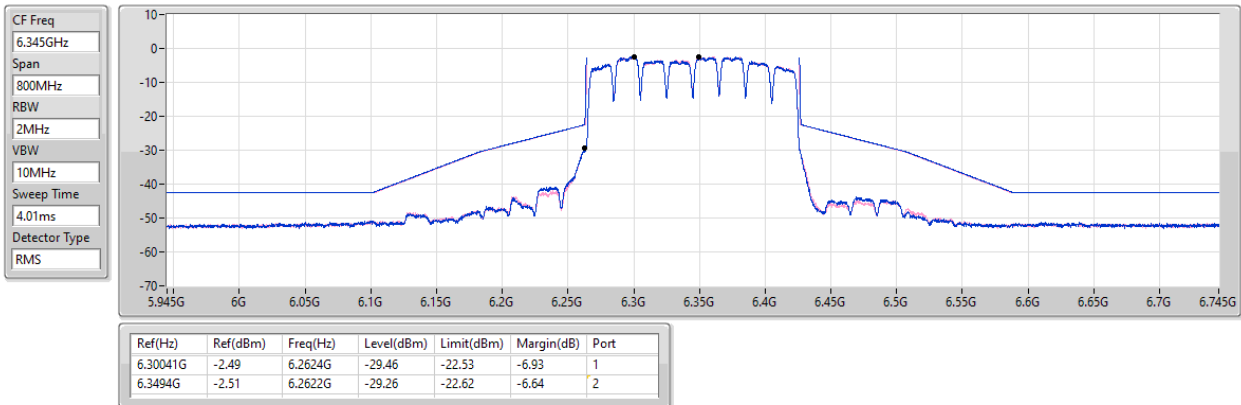


5.925-6.425GHz_11a160_160MHz_Nss1,(6Mbps)_2TX

MASK

6345MHz_TX

18/05/2023

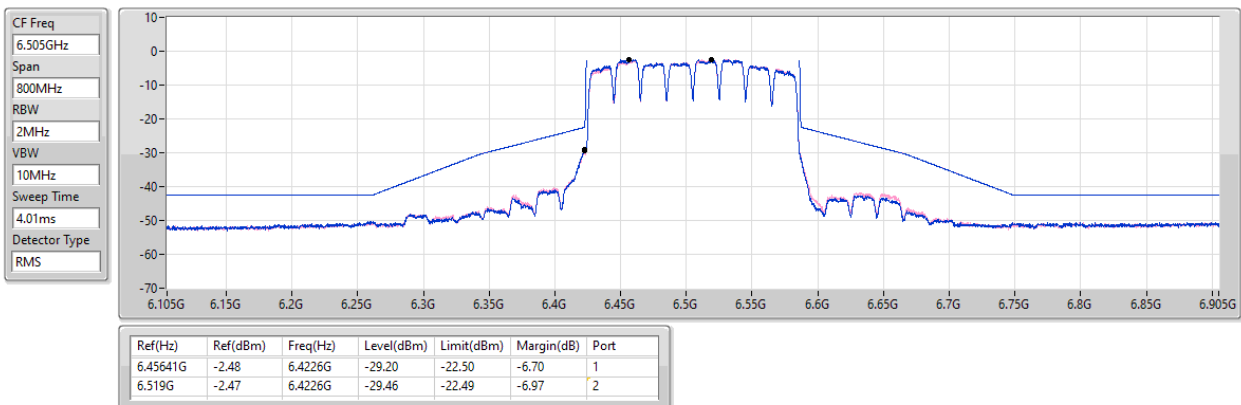


6.425-6.525GHz_11a160_160MHz_Nss1,(6Mbps)_2TX

MASK

6505MHz_TX

18/05/2023

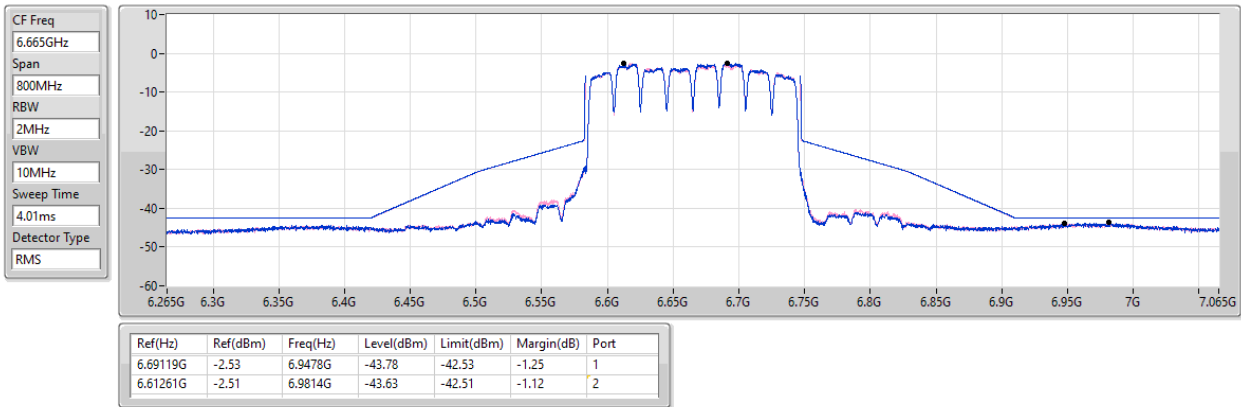


6.525-6.875GHz_11a160_160MHz_Nss1,(6Mbps)_2TX

MASK

6665MHz_TX

02/06/2023

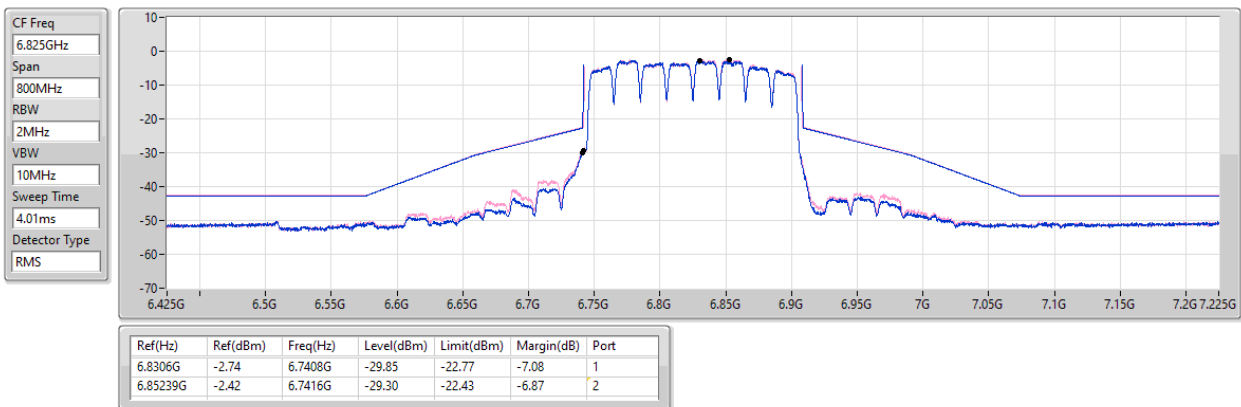


6.525-6.875GHz_11a160_160MHz_Nss1,(6Mbps)_2TX

MASK

6825MHz_TX

18/05/2023

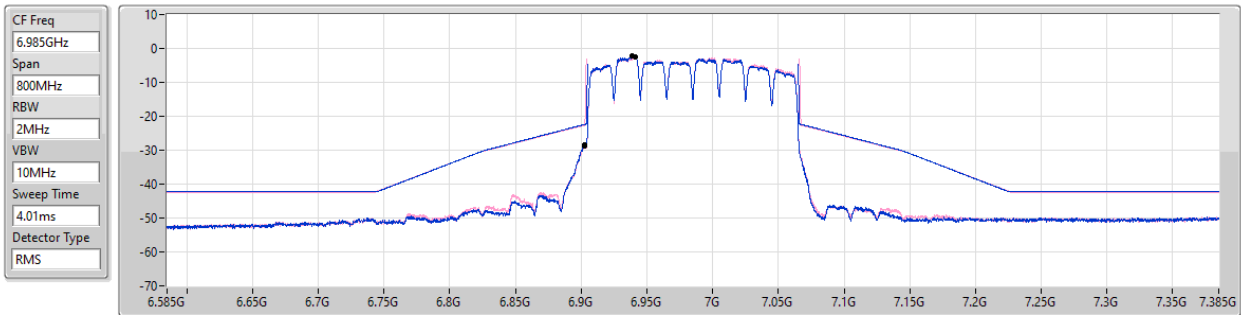


6.875-7.125GHz_11a160_160MHz_Nss1,(6Mbps)_2TX

MASK

6985MHz_TX

18/05/2023



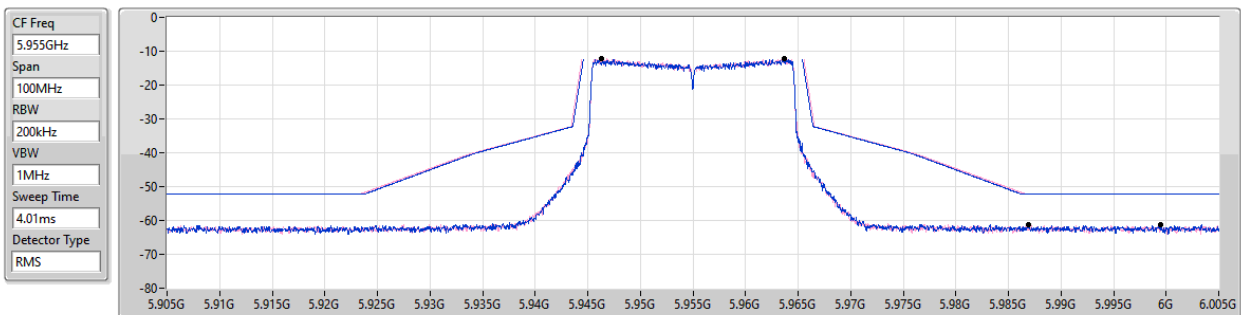
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.93841G	-2.26	6.9022G	-28.47	-22.43	-6.04	1
6.94141G	-2.61	6.9024G	-28.61	-22.65	-5.96	2

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

5955MHz_TX

24/05/2023



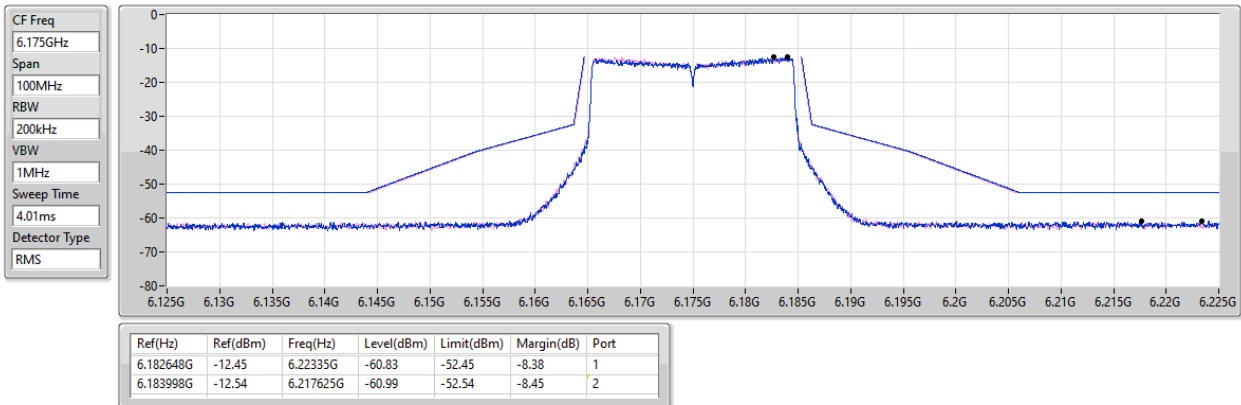
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.963673G	-12.26	5.986875G	-61.14	-52.26	-8.88	1
5.946302G	-12.26	5.9995G	-61.11	-52.26	-8.85	2

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6175MHz_TX

24/05/2023

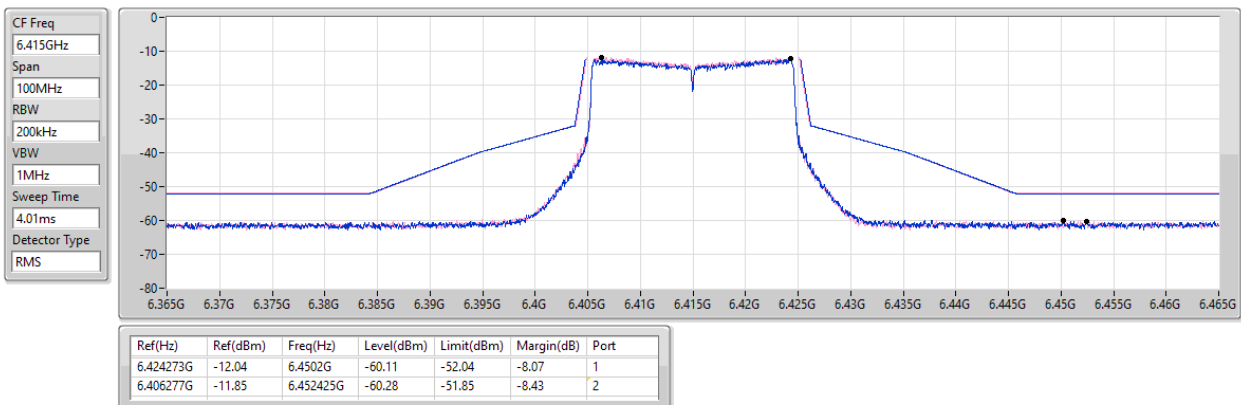


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6415MHz_TX

18/05/2023

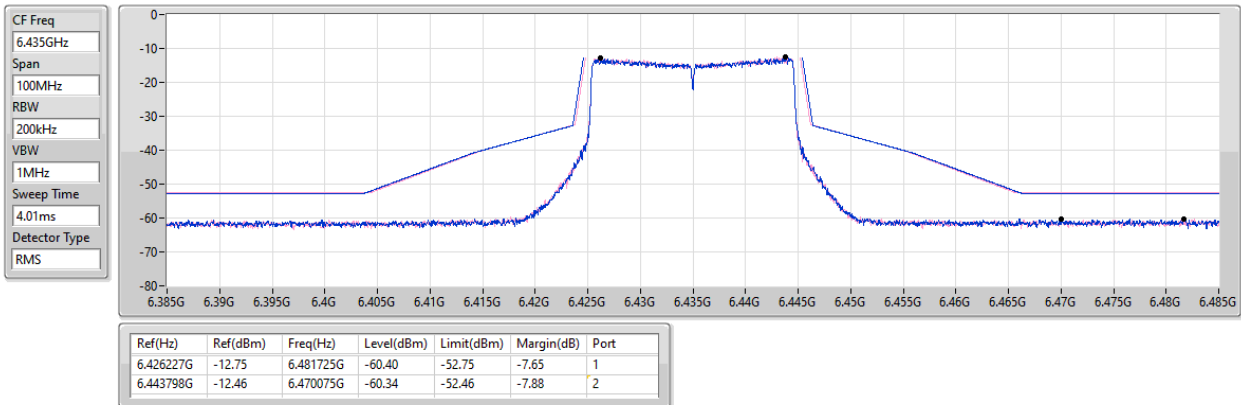


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6435MHz_TX

24/05/2023

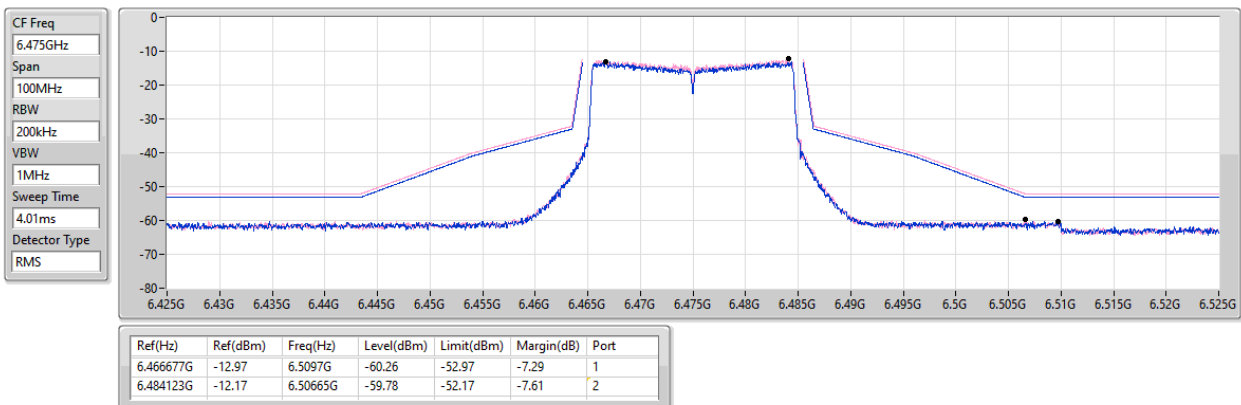


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6475MHz_TX

24/05/2023

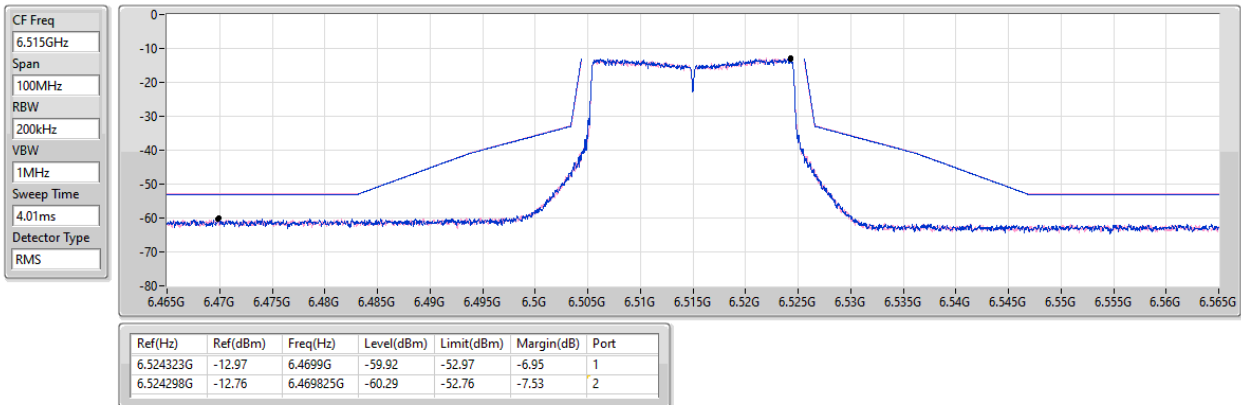


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6515MHz_TX

24/05/2023

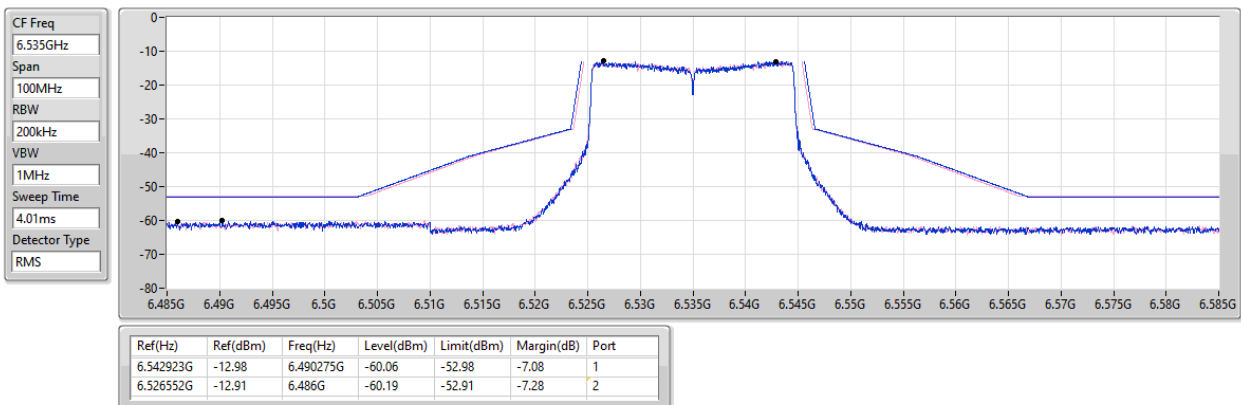


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6535MHz_TX

24/05/2023



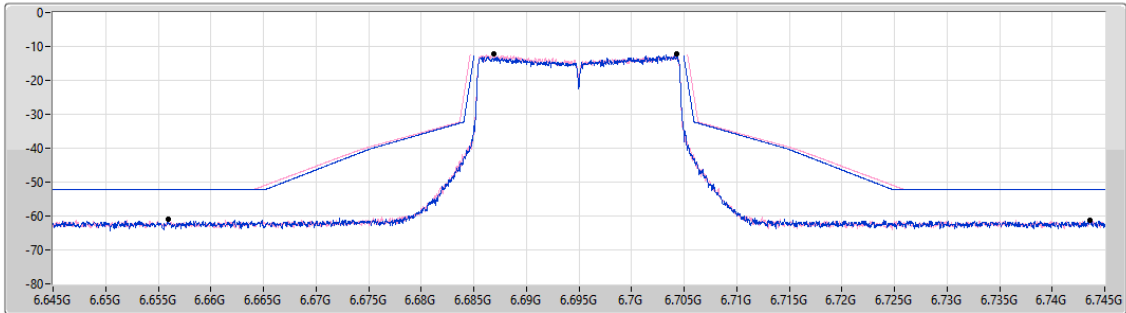
6.525-6.875GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

MASK

6695MHz_TX

24/05/2023

CF Freq
6.695GHz
Span
100MHz
RBW
200kHz
VBW
1MHz
Sweep Time
4.01ms
Detector Type
RMS



Port 1
Port 2

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.704323G	-12.27	6.743575G	-61.10	-52.27	-8.83	1
6.686927G	-12.31	6.65595G	-60.92	-52.31	-8.61	2

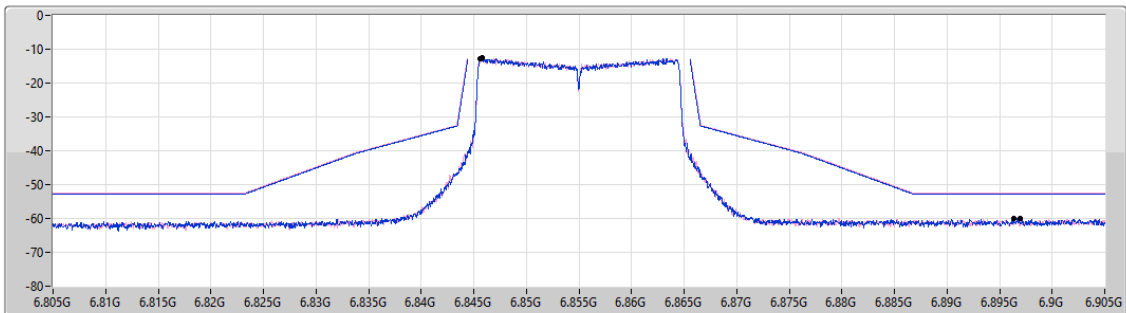
6.525-6.875GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

MASK

6855MHz_TX

24/05/2023

CF Freq
6.855GHz
Span
100MHz
RBW
200kHz
VBW
1MHz
Sweep Time
4.01ms
Detector Type
RMS



Port 1
Port 2

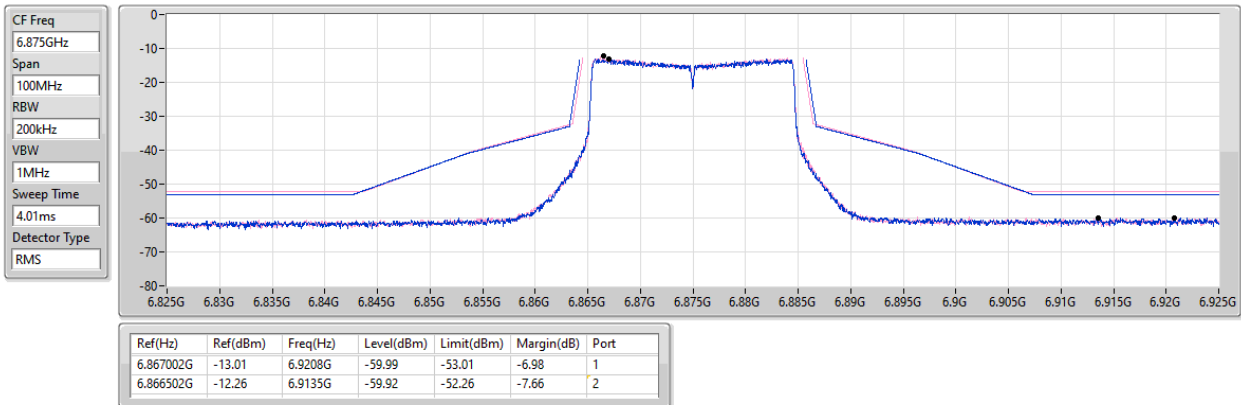
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.845652G	-12.68	6.896325G	-60.09	-52.68	-7.41	1
6.845827G	-12.54	6.897G	-60.12	-52.54	-7.58	2

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6875MHz_TX

24/05/2023

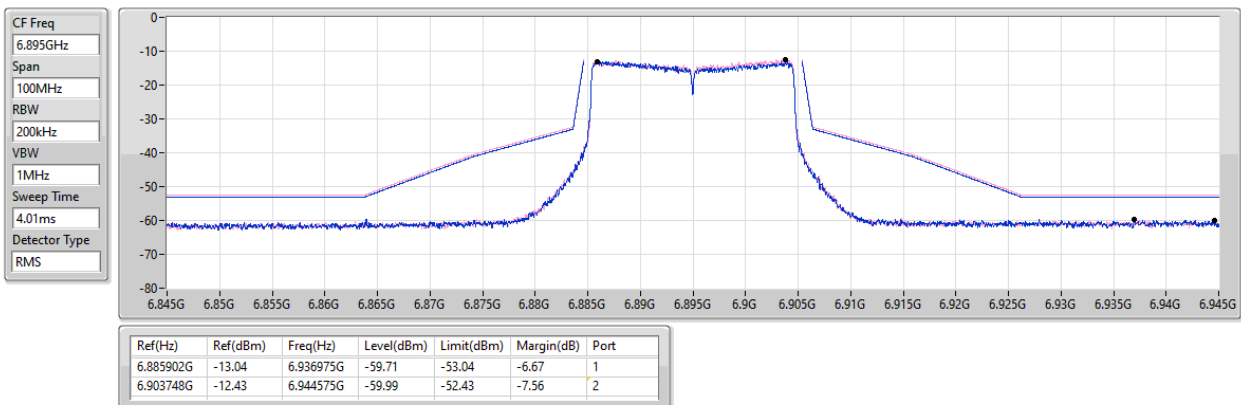


6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6895MHz_TX

24/05/2023



6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

6995MHz_TX

24/05/2023

CF Freq
6.995GHz

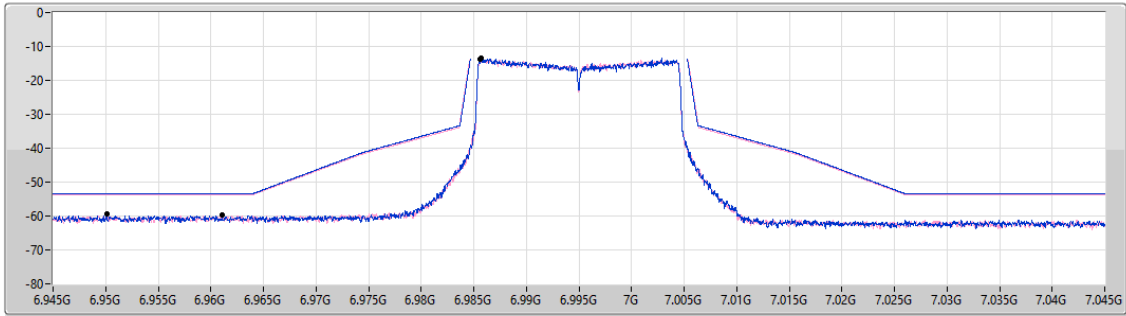
Span
100MHz

RBW
200kHz

VBW
1MHz

Sweep Time
4.01ms

Detector Type
RMS



Port 1 

Port 2 

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.985727G	-13.34	6.9501G	-59.29	-53.34	-5.95	1
6.985577G	-13.90	6.9611G	-59.73	-53.90	-5.83	2

6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

MASK

7095MHz_TX

24/05/2023

CF Freq
7.095GHz

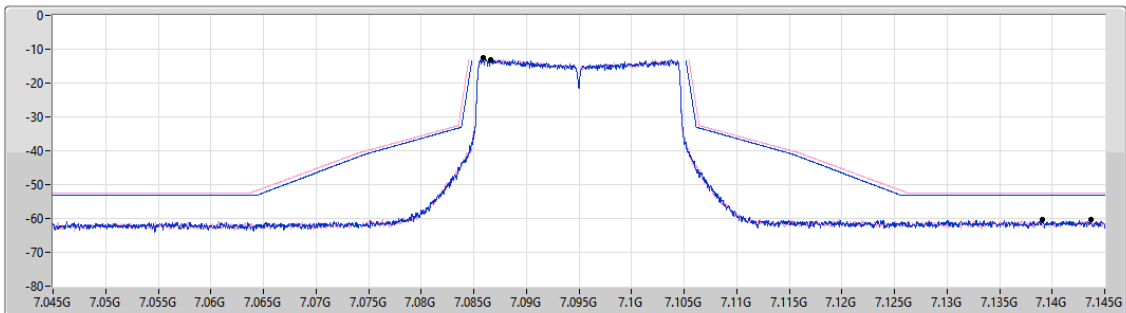
Span
100MHz

RBW
200kHz

VBW
1MHz

Sweep Time
4.01ms

Detector Type
RMS



Port 1 

Port 2 

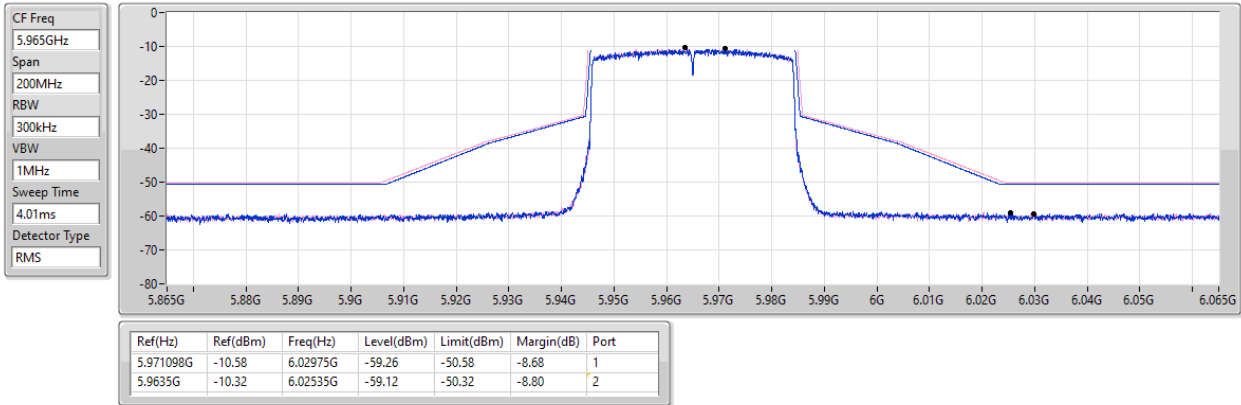
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
7.086652G	-13.05	7.139025G	-60.45	-53.05	-7.40	1
7.085902G	-12.58	7.143675G	-60.45	-52.58	-7.87	2

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

5965MHz_TX

18/05/2023

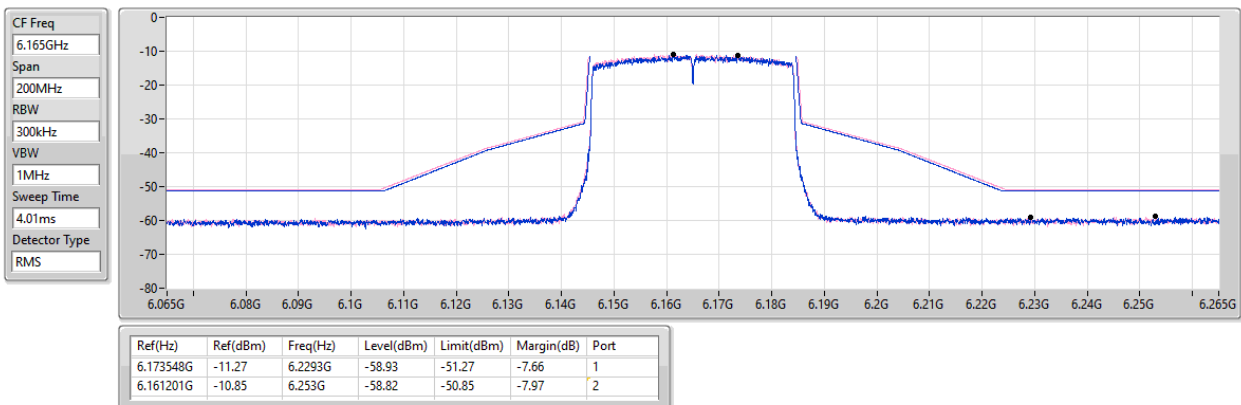


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6165MHz_TX

24/05/2023

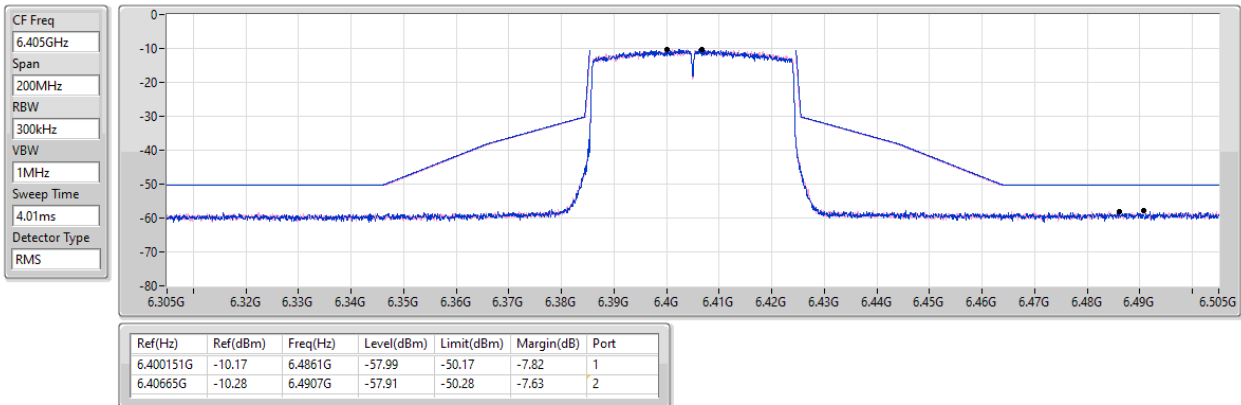


5.925-6.425GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

MASK

6405MHz_TX

18/05/2023

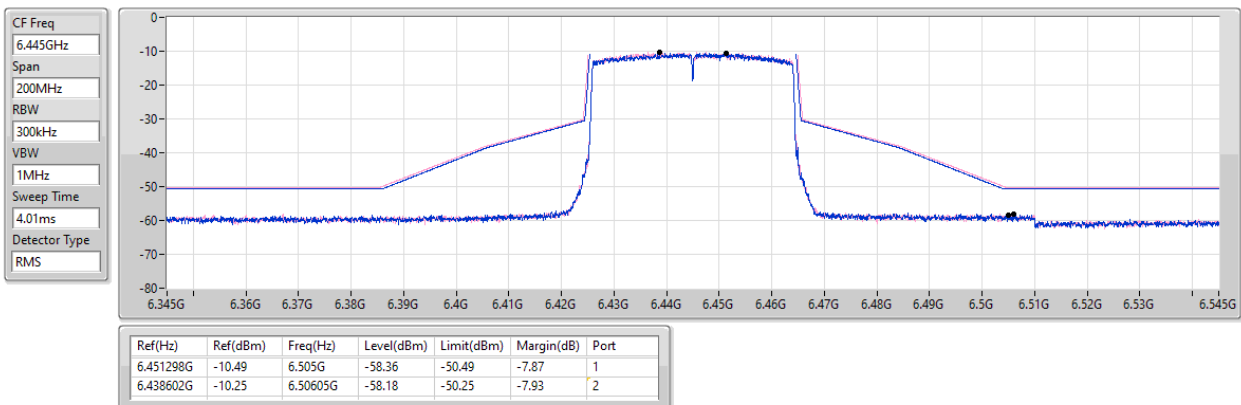


6.425-6.525GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

MASK

6445MHz_TX

18/05/2023

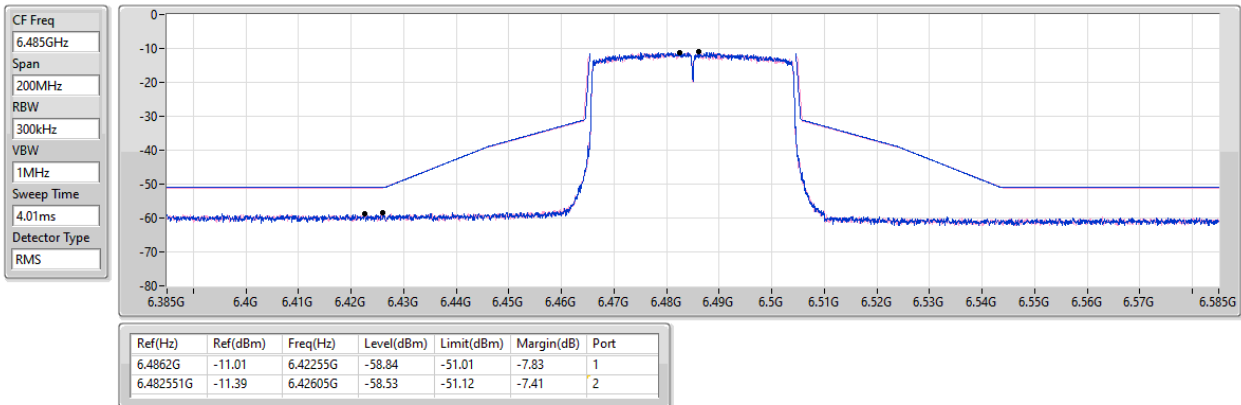


6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6485MHz_TX

24/05/2023

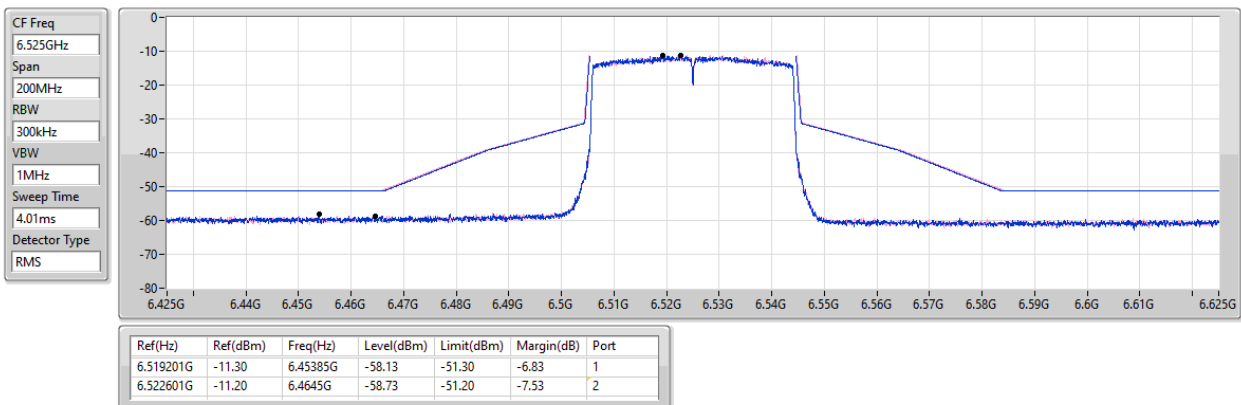


6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6525MHz_TX

24/05/2023

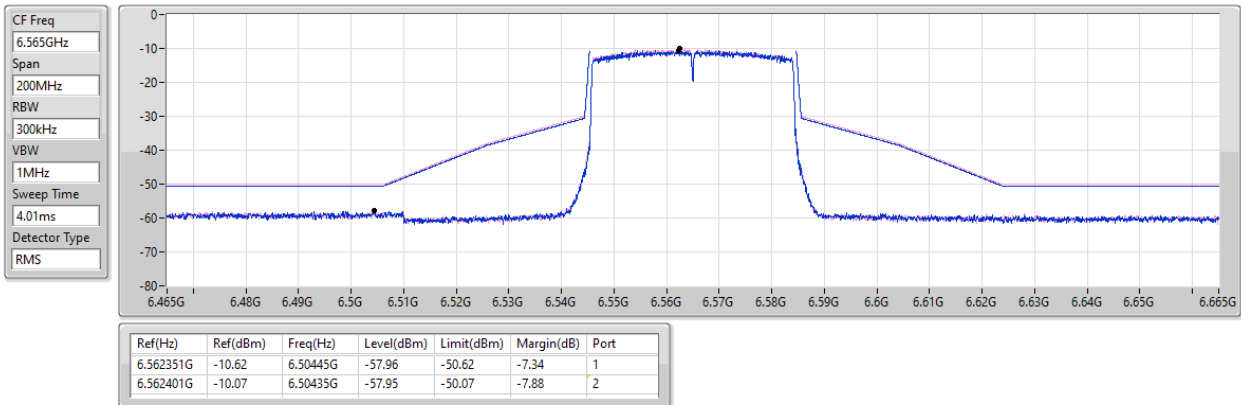


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6565MHz_TX

18/05/2023

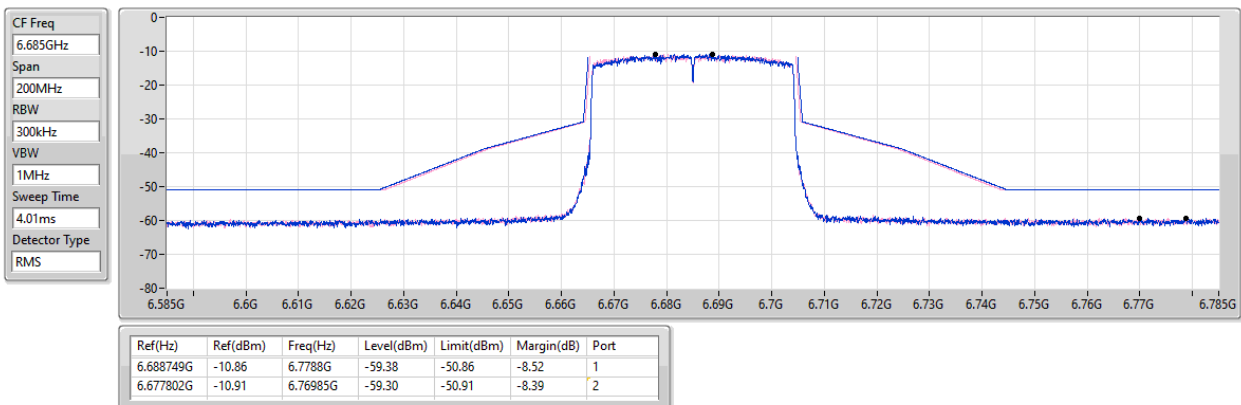


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6685MHz_TX

24/05/2023

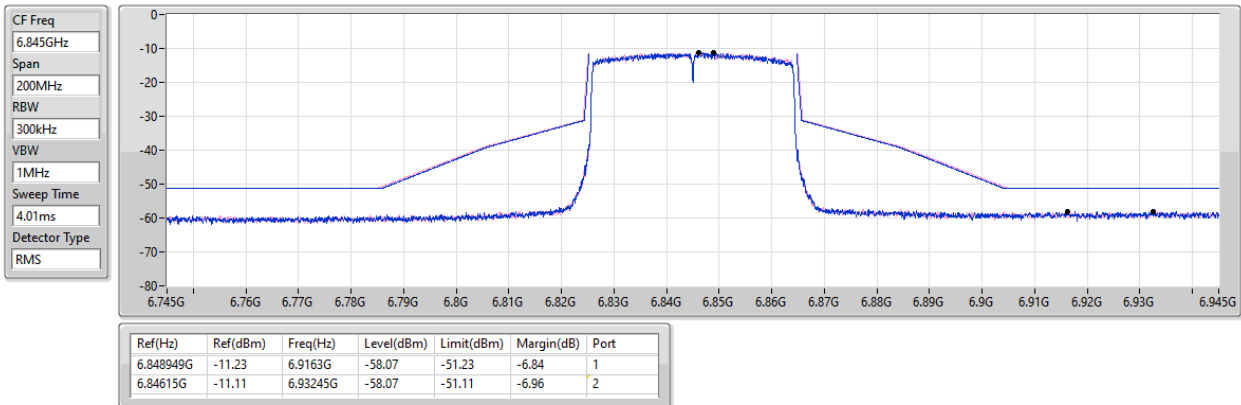


6.525-6.875GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

MASK

6845MHz_TX

24/05/2023

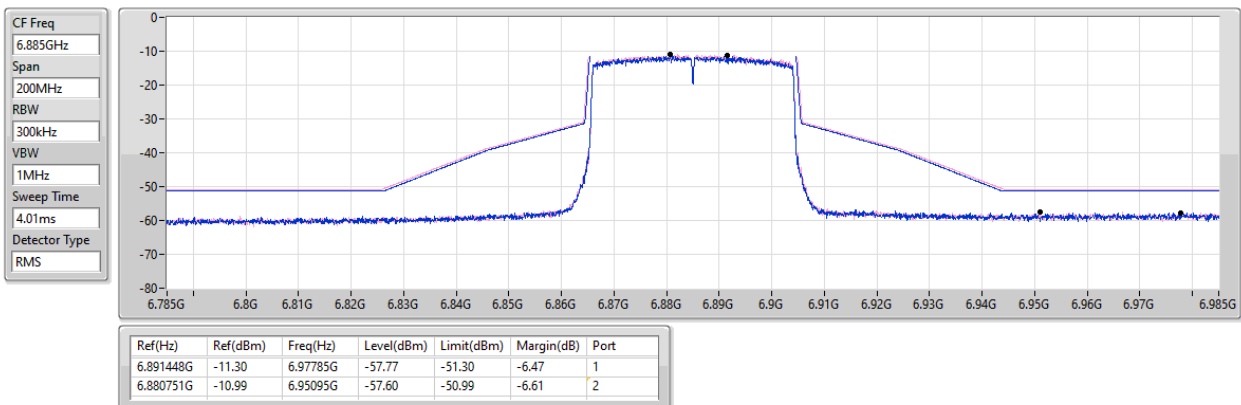


6.525-6.875GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

MASK

6885MHz_TX

24/05/2023

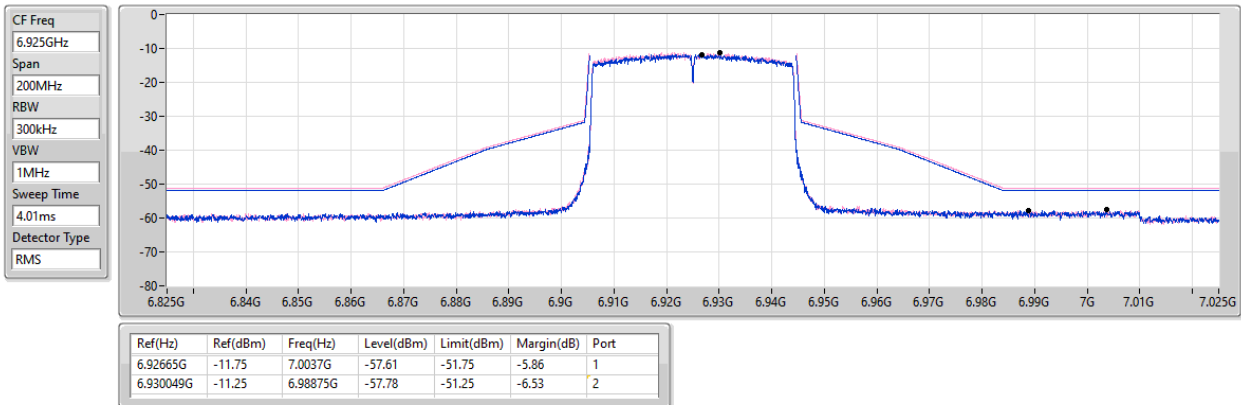


6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

6925MHz_TX

24/05/2023

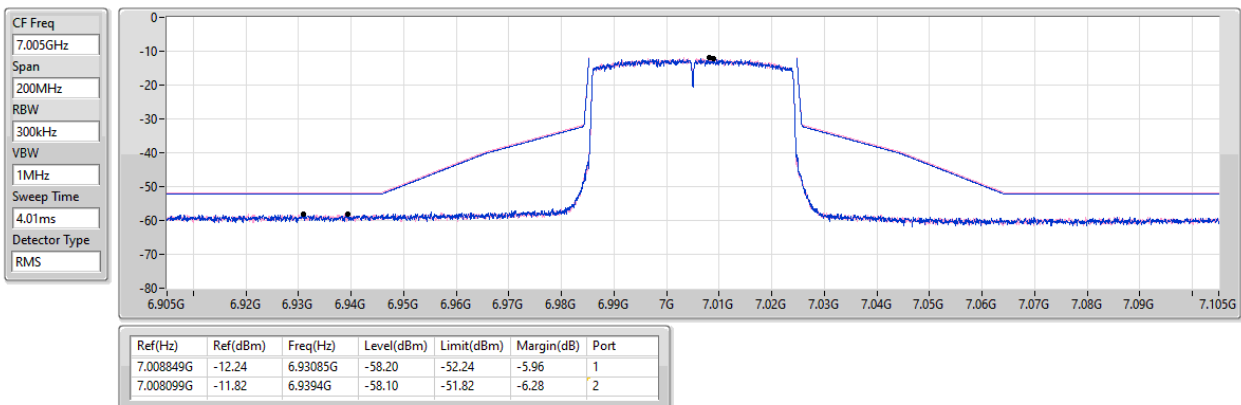


6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

7005MHz_TX

24/05/2023

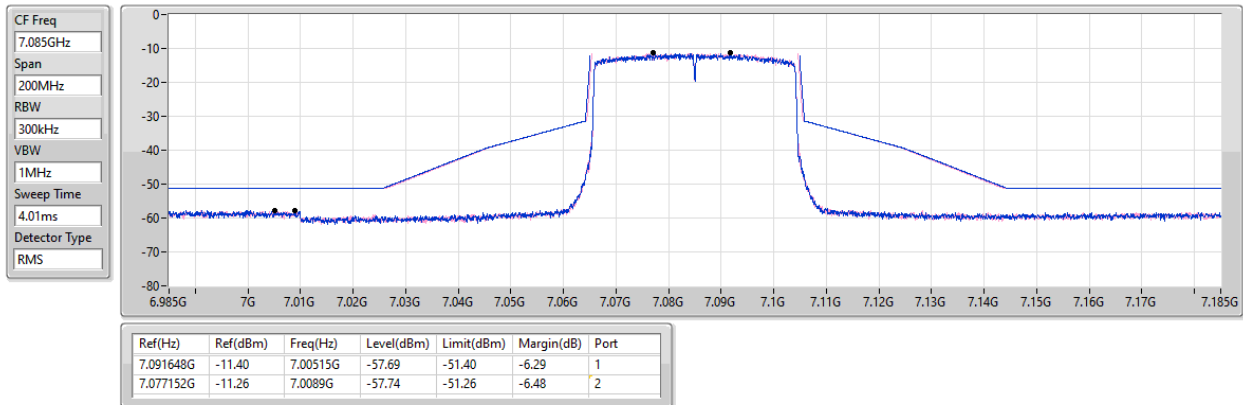


6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

MASK

7085MHz_TX

24/05/2023

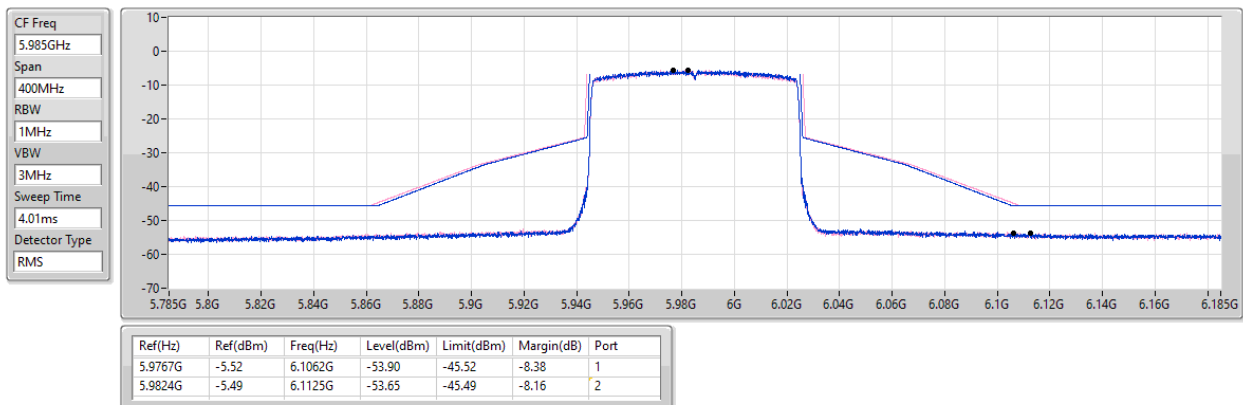


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

5985MHz_TX

18/05/2023



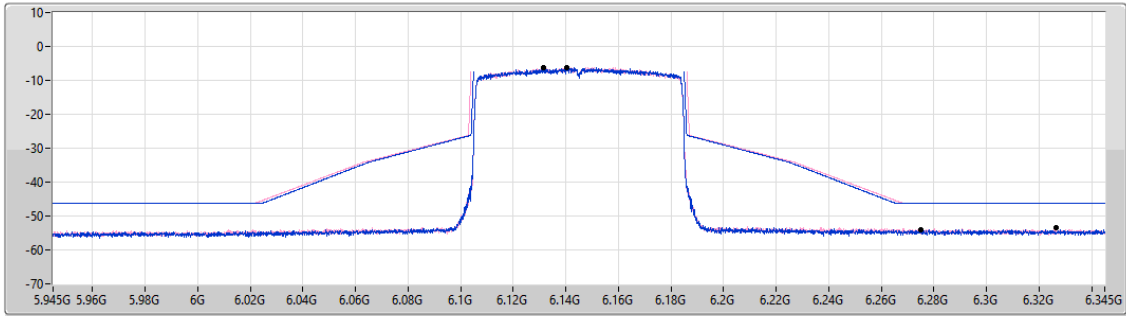
5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6145MHz_TX

24/05/2023

CF Freq
6.145GHz
Span
400MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.01ms
Detector Type
RMS



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.1403G	-6.17	6.2751G	-53.91	-46.17	-7.74	1
6.1315G	-6.20	6.3264G	-53.50	-46.20	-7.30	2

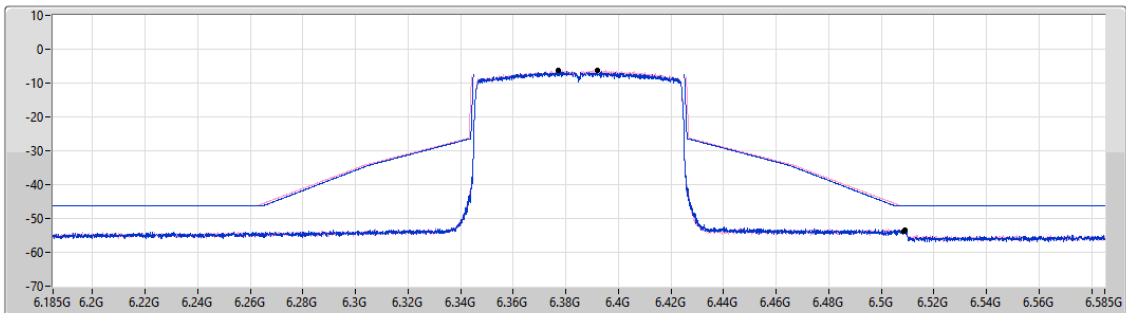
5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6385MHz_TX

24/05/2023

CF Freq
6.385GHz
Span
400MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.01ms
Detector Type
RMS



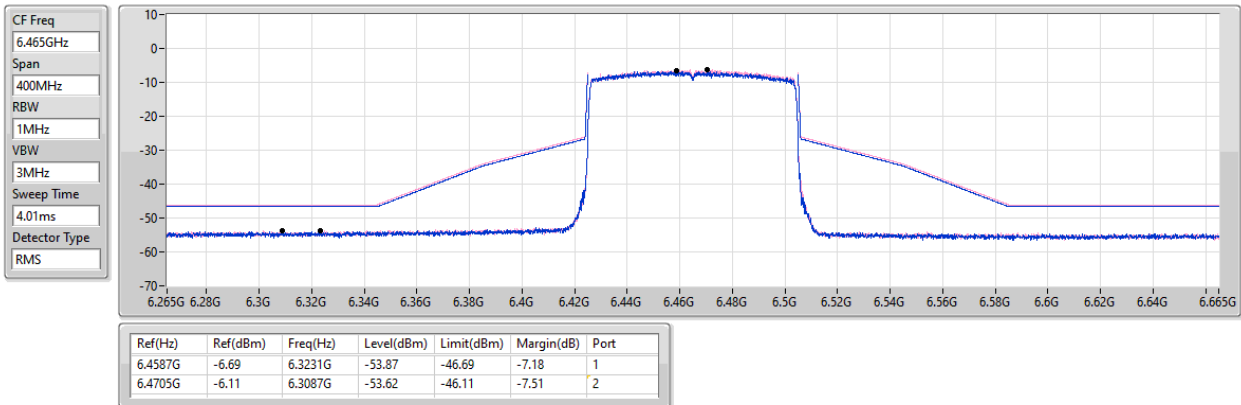
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.3773G	-6.38	6.509G	-53.42	-46.38	-7.04	1
6.3921G	-6.27	6.5086G	-53.65	-46.27	-7.38	2

6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6465MHz_TX

24/05/2023

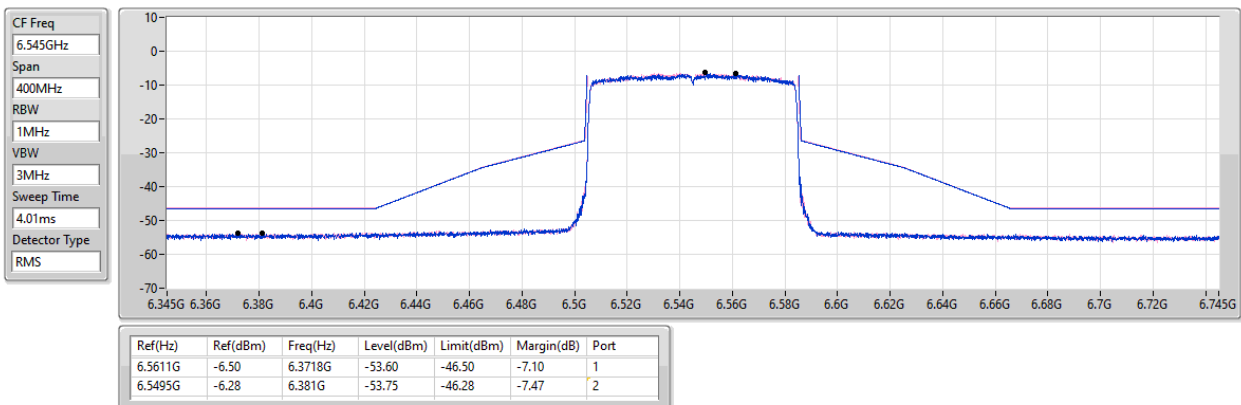


6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6545MHz_TX

24/05/2023

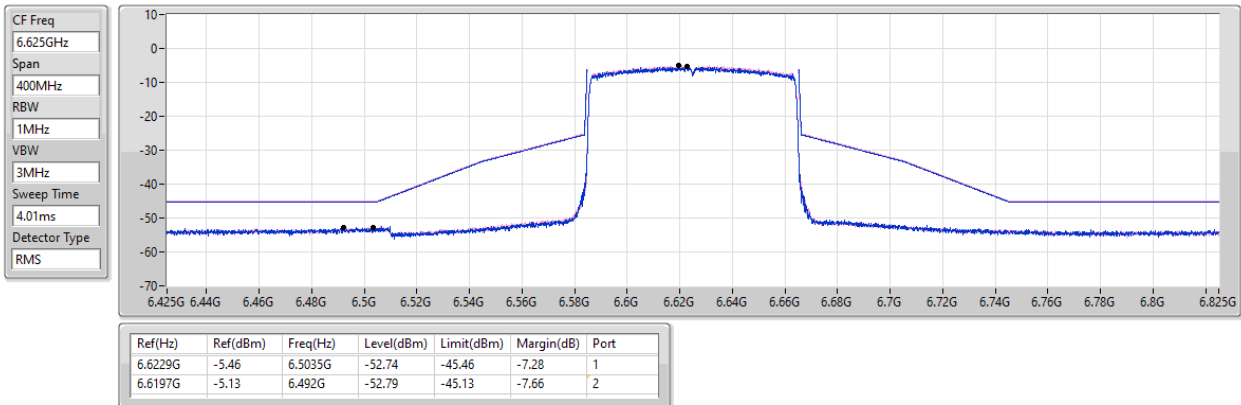


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6625MHz_TX

18/05/2023

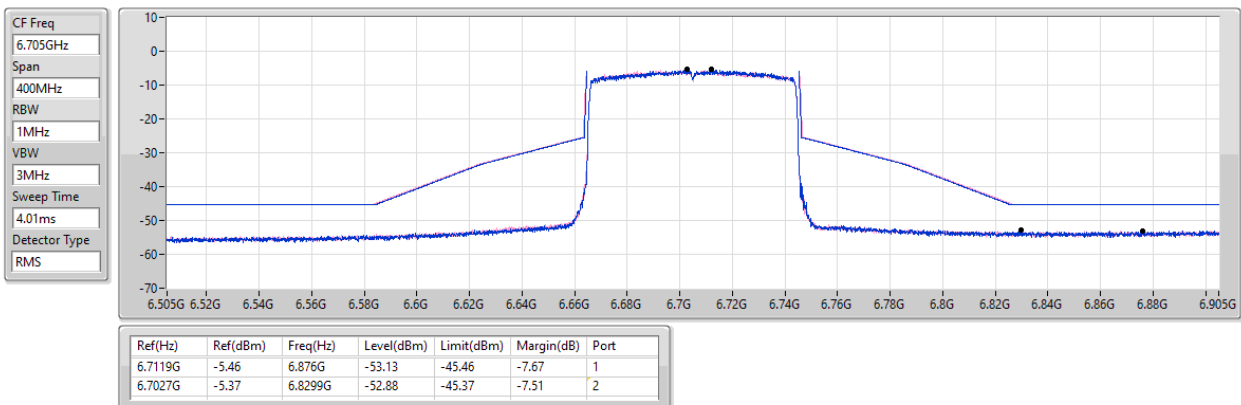


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6705MHz_TX

18/05/2023

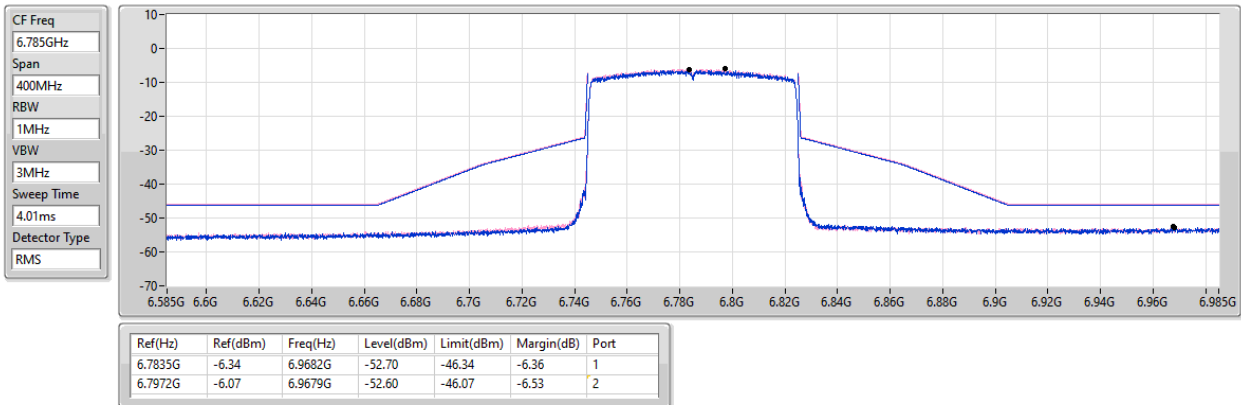


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6785MHz_TX

24/05/2023

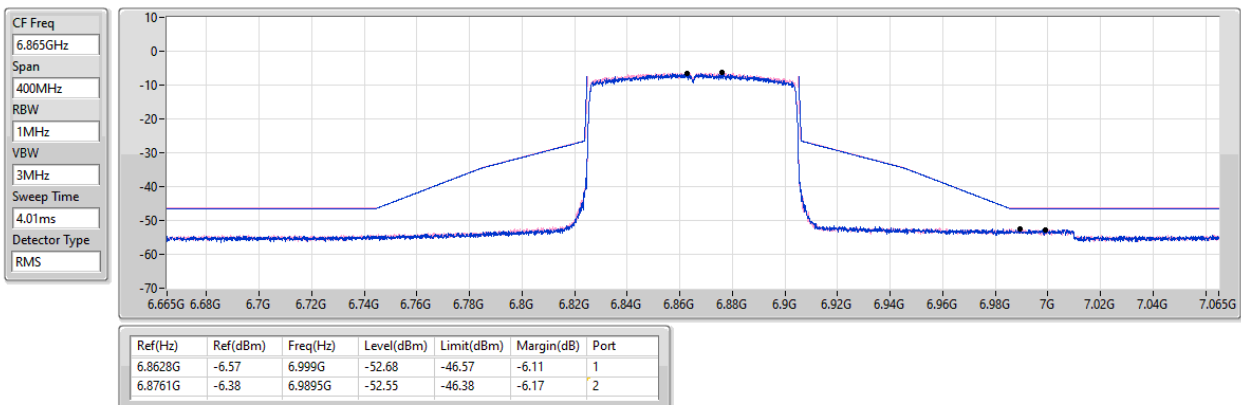


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6865MHz_TX

24/05/2023

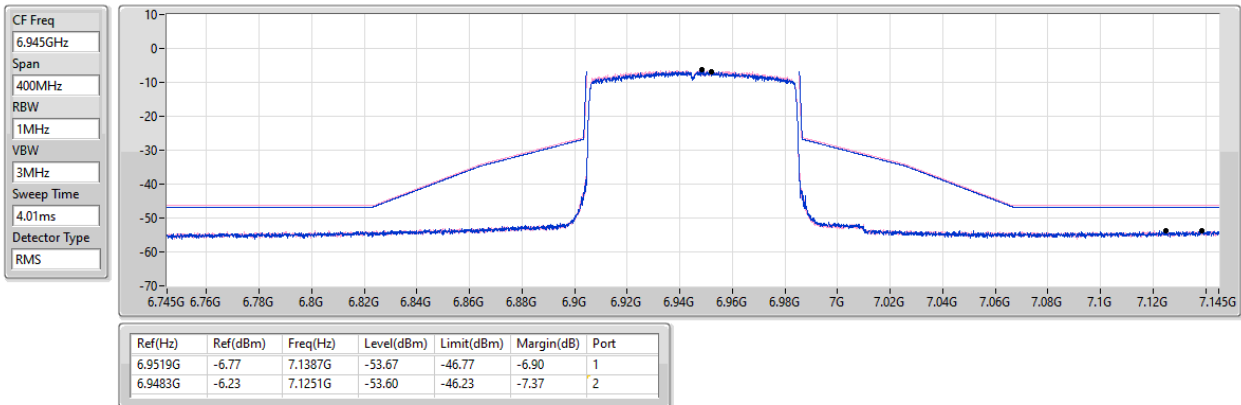


6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

6945MHz_TX

24/05/2023

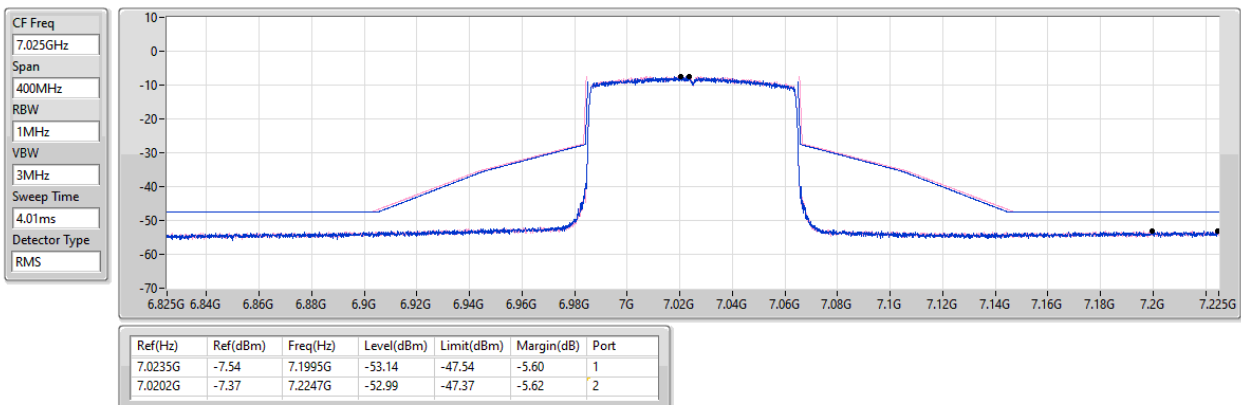


6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

MASK

7025MHz_TX

24/05/2023

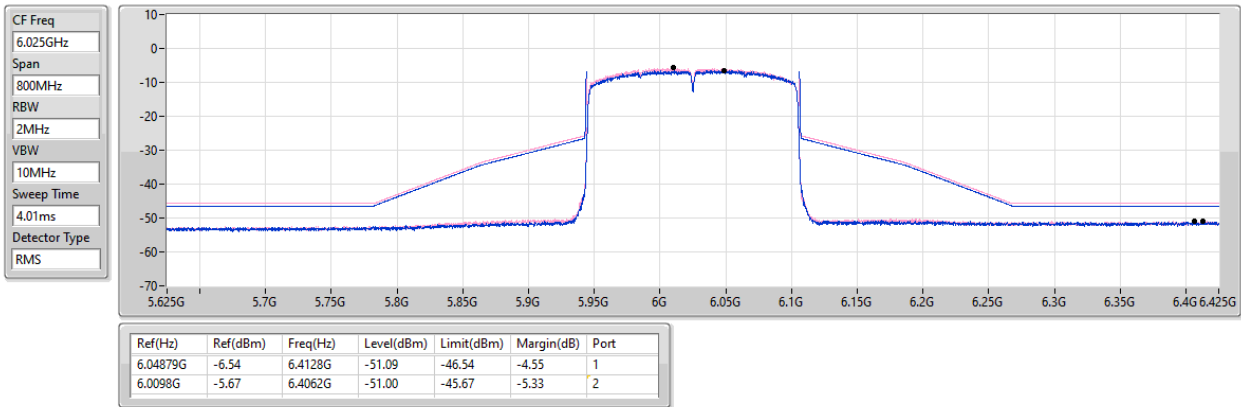


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6025MHz_TX

24/05/2023

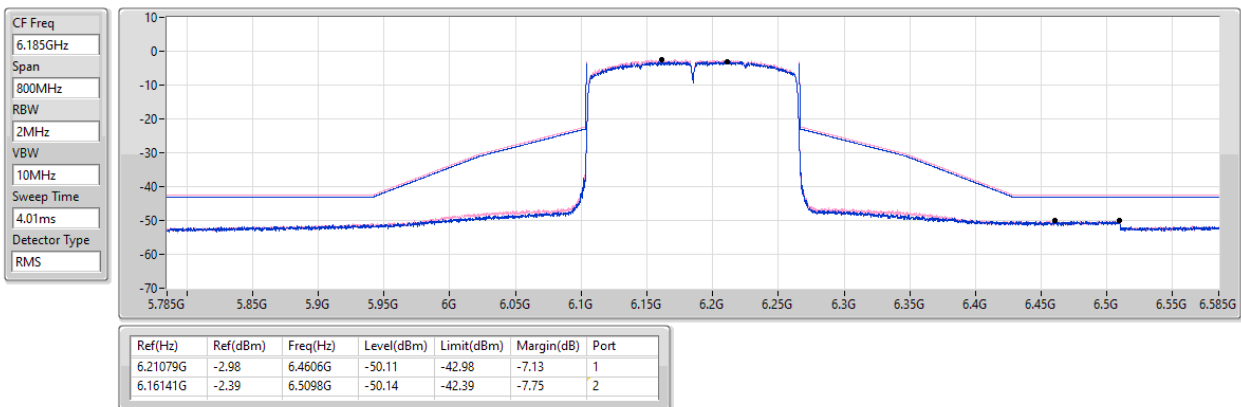


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6185MHz_TX

18/05/2023

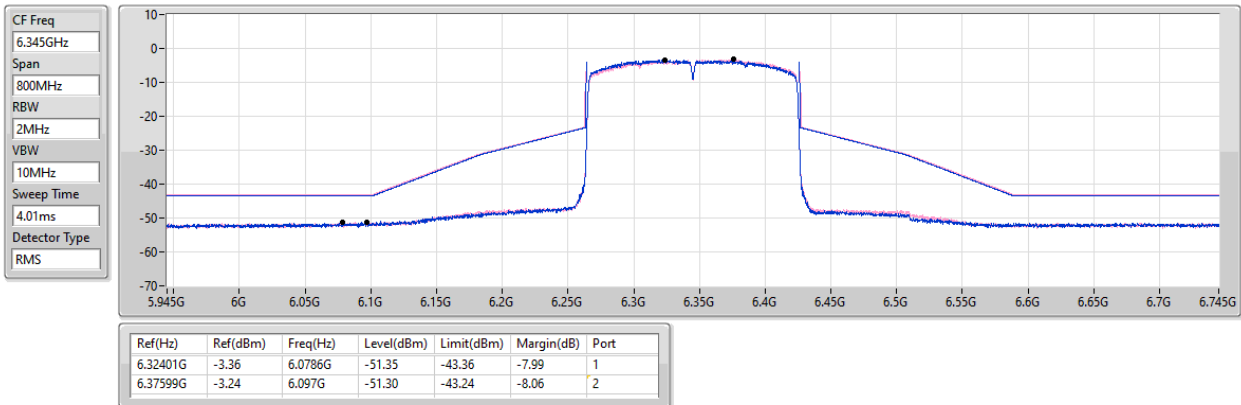


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6345MHz_TX

24/05/2023

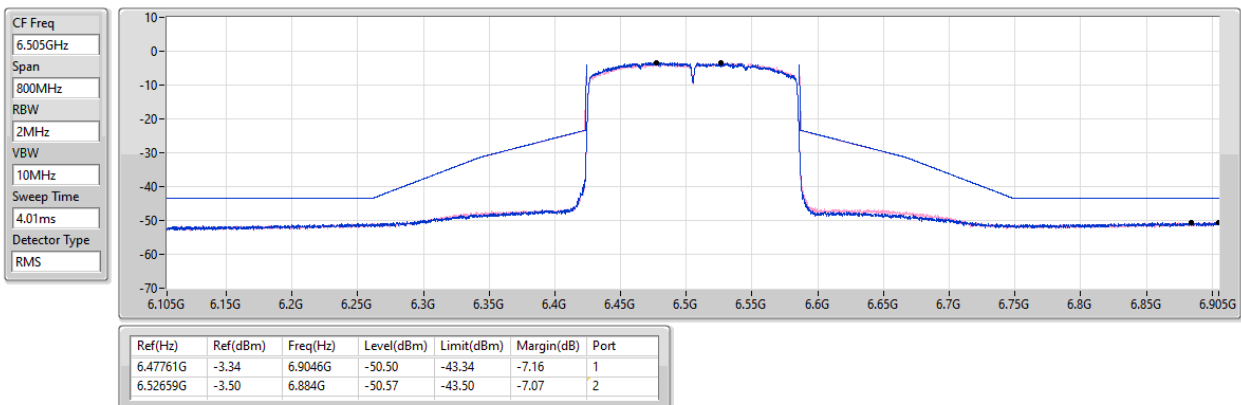


6.425-6.525GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6505MHz_TX

24/05/2023

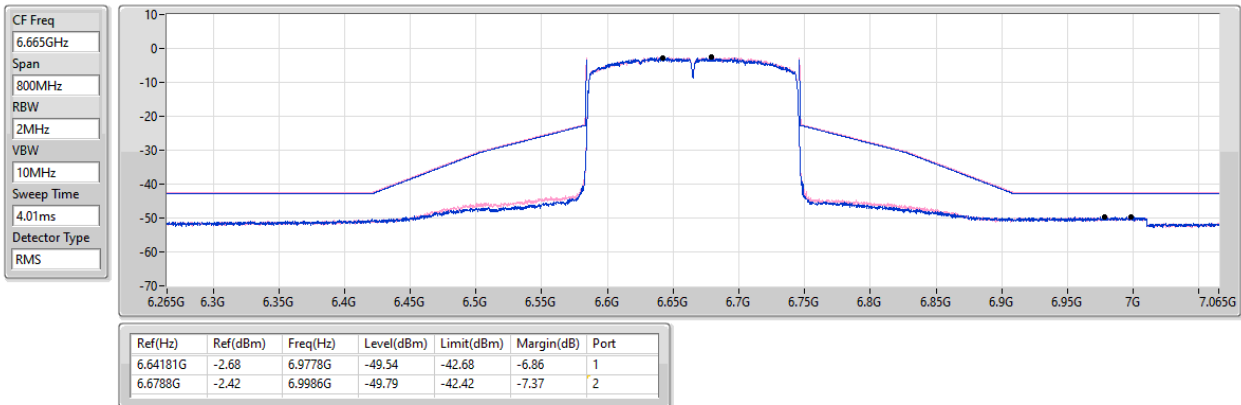


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6665MHz_TX

24/05/2023

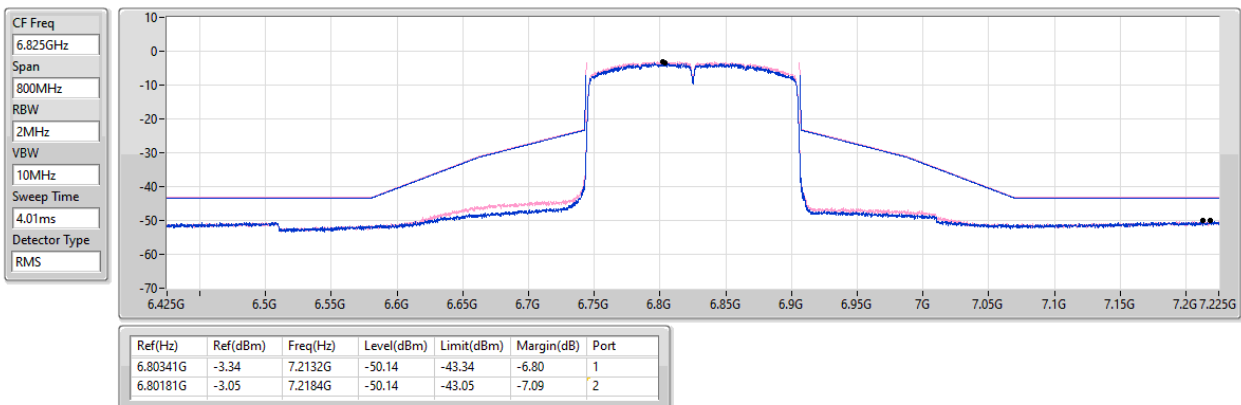


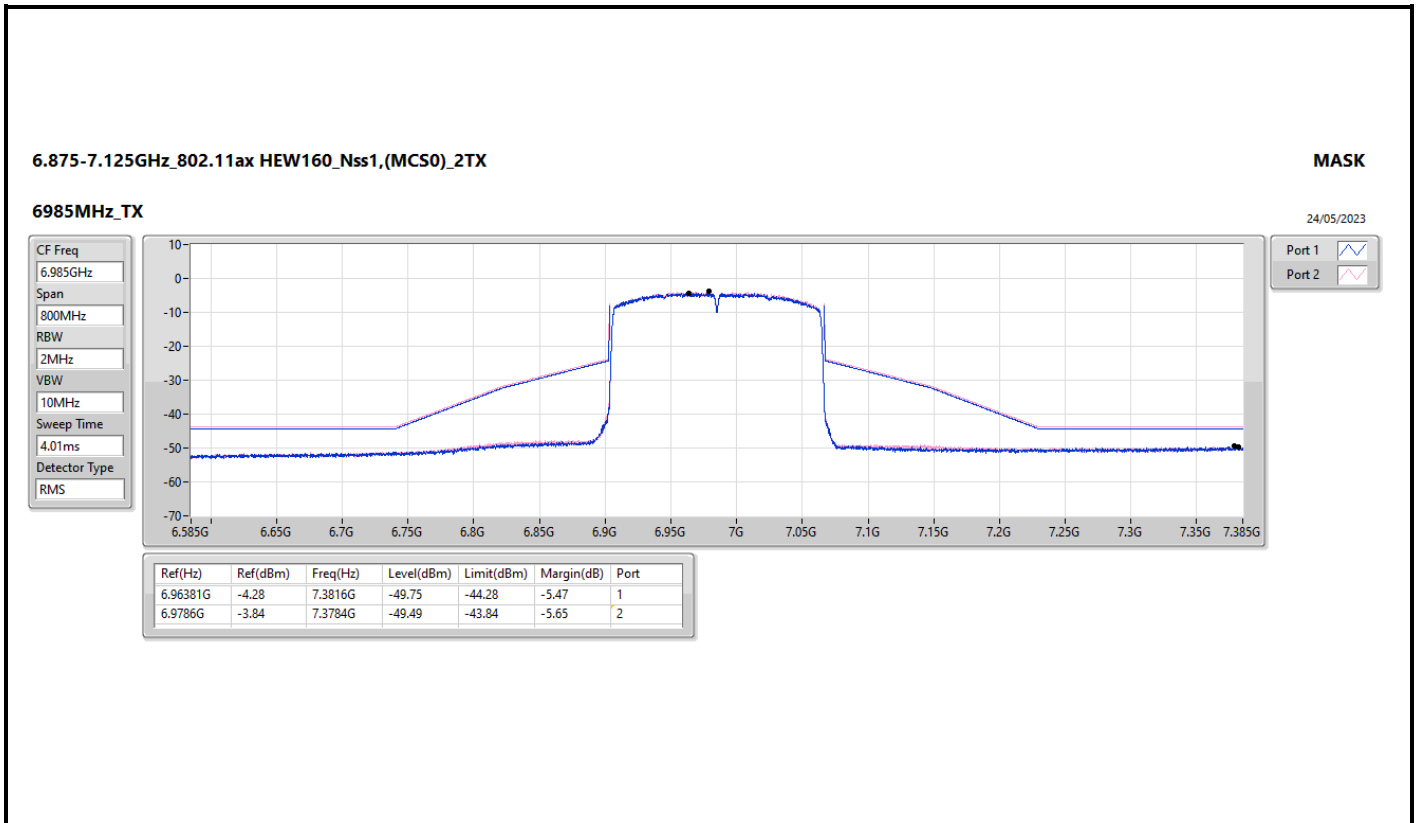
6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX

MASK

6825MHz_TX

24/05/2023





Antenna Gain(dBi)			
UNII5	UNII6	UNII7	UNII8
6	6	6	6

Contention Based protocol (802.11ax HEW20)											
UNII Band	Test Channel	Bandwidth (MHz)	Frequency (MHz)	Intetference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Probability (%)	Limit (%)	Test Result
5	53	20	6215	Center	6215	-71	OFF	10	100	90	Pass
6	101	20	6455	Center	6455	-77	OFF	10	100	90	Pass
7	149	20	6695	Center	6695	-79	OFF	10	100	90	Pass
8	213	20	7015	Center	7015	-74	OFF	10	100	90	Pass

Contention Based protocol (802.11ax HEW160)											
UNII Band	Test Channel	Bandwidth (MHz)	Frequency (MHz)	Intetference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Probability (%)	Limit (%)	Test Result
5	47	160	6185	Low edge	6110	-76.00	OFF	10	100	90	Pass
				Center	6185	-75.00	OFF	10	100	90	Pass
				High edge	6260	-78.00	OFF	10	100	90	Pass
6	111	160	6505	Low edge	6430	-81.00	OFF	10	100	90	Pass
				Center	6505	-74.00	OFF	10	100	90	Pass
				High edge	6580	-73.00	OFF	10	100	90	Pass
7	143	160	6665	Low edge	6590	-77.00	OFF	10	100	90	Pass
				Center	6665	-78.00	OFF	10	100	90	Pass
				High edge	6740	-81.00	OFF	10	100	90	Pass
8	207	160	6985	Low edge	6910	-78.00	OFF	10	100	90	Pass
				Center	6985	-73.00	OFF	10	100	90	Pass
				High edge	7060	-79.00	OFF	10	100	90	Pass

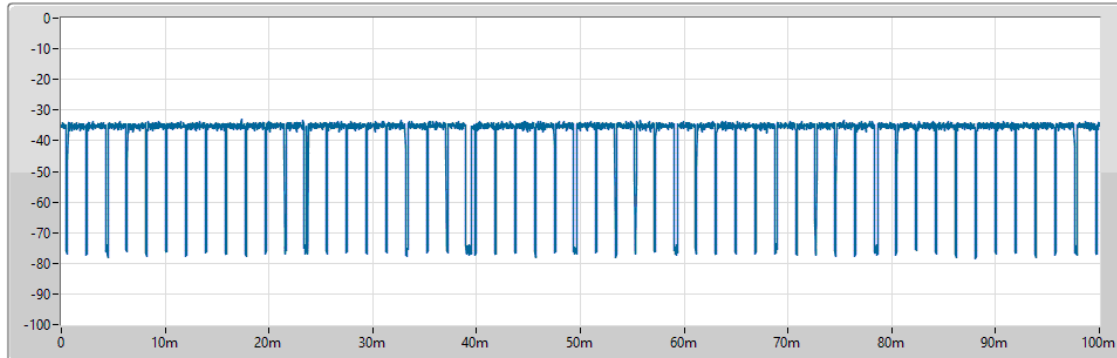
Contention Based Protocol Threshold Level (802.11ax HEW20)										
UNII Band	Test Channel	Bandwidth (MHz)	Frequency (MHz)	Intetference frequency (MHz)		EUT Status	Injected AWGN Power (dBm)	Ant Gain (dBi)	Detection Power(dBm)	Detection Limit (dBm)
5	53	20	6215	Center	6215	OFF	-65.00	6.00	-71.00	≤ -62
						Minimal	-66.00	6.00	-72.00	≤ -62
						ON	-67.00	6.00	-73.00	≤ -62
6	101	20	6455	Center	6455	OFF	-71.00	6.00	-77.00	≤ -62
						Minimal	-72.00	6.00	-78.00	≤ -62
						ON	-73.00	6.00	-79.00	≤ -62
7	149	20	6695	Center	6695	OFF	-73.00	6.00	-79.00	≤ -62
						Minimal	-74.00	6.00	-80.00	≤ -62
						ON	-75.00	6.00	-81.00	≤ -62
8	213	20	7015	Center	7015	OFF	-68.00	6.00	-74.00	≤ -62
						Minimal	-69.00	6.00	-75.00	≤ -62
						ON	-70.00	6.00	-76.00	≤ -62

Contention Based Protocol Threshold Level (802.11ax HEW160)										
UNII Band	Test Channel	Bandwidth (MHz)	Frequency (MHz)	Intetference frequency (MHz)		EUT Status	Injected AWGN Power (dBm)	Ant Gain (dBi)	Detection Power(dBm)	Detection Limit (dBm)
5	47	160	6185	Low edge	6110	OFF	-70.00	6.00	-76.00	≤ -62
						Minimal	-71.00	6.00	-77.00	
						ON	-72.00	6.00	-78.00	
				Center	6185	OFF	-69.00	6.00	-75.00	≤ -62
						Minimal	-70.00	6.00	-76.00	
						ON	-71.00	6.00	-77.00	
				High edge	6260	OFF	-72.00	6.00	-78.00	≤ -62
						Minimal	-73.00	6.00	-79.00	
						ON	-74.00	6.00	-80.00	
6	111	160	6505	Low edge	6430	OFF	-75.00	6.00	-81.00	≤ -62
						Minimal	-76.00	6.00	-82.00	
						ON	-77.00	6.00	-83.00	
				Center	6505	OFF	-68.00	6.00	-74.00	≤ -62
						Minimal	-69.00	6.00	-75.00	
						ON	-70.00	6.00	-76.00	
				High edge	6580	OFF	-67.00	6.00	-73.00	≤ -62
						Minimal	-68.00	6.00	-74.00	
						ON	-69.00	6.00	-75.00	
7	143	160	6665	Low edge	6590	OFF	-71.00	6.00	-77.00	≤ -62
						Minimal	-72.00	6.00	-78.00	
						ON	-73.00	6.00	-79.00	
				Center	6665	OFF	-72.00	6.00	-78.00	≤ -62
						Minimal	-73.00	6.00	-79.00	
						ON	-74.00	6.00	-80.00	
				High edge	6740	OFF	-75.00	6.00	-81.00	≤ -62
						Minimal	-76.00	6.00	-82.00	
						ON	-77.00	6.00	-83.00	
8	207	160	6985	Low edge	6910	OFF	-72.00	6.00	-78.00	≤ -62
						Minimal	-73.00	6.00	-79.00	
						ON	-74.00	6.00	-80.00	
				Center	6985	OFF	-67.00	6.00	-73.00	≤ -62
						Minimal	-68.00	6.00	-74.00	
						ON	-69.00	6.00	-75.00	
				High edge	7060	OFF	-73.00	6.00	-79.00	≤ -62
						Minimal	-74.00	6.00	-80.00	
						ON	-75.00	6.00	-81.00	

Bandwidth 20MHz: Traffic Loading Plot - 6215MHz

Time Analysis

Main



Sample Time

12.5us

All TX Time

91.85ms

All TX Sample

7348

Duty Cycle

0.918385

T1[s] T2[s]

NaNs NaNs

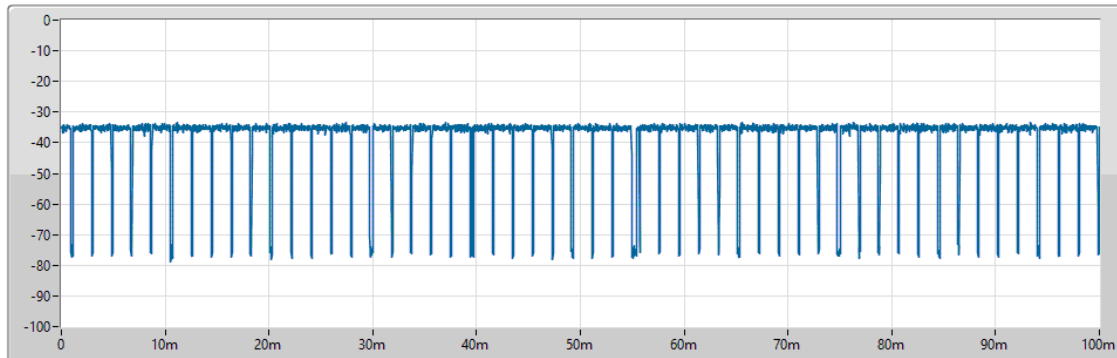
T3[s] T4[s]

NaNs NaNs

Bandwidth 20MHz: Traffic Loading Plot - 6455MHz

Time Analysis

Main



Sample Time

12.5us

All TX Time

92.0125ms

All TX Sample

7361

Duty Cycle

0.92001

T1[s] T2[s]

NaNs NaNs

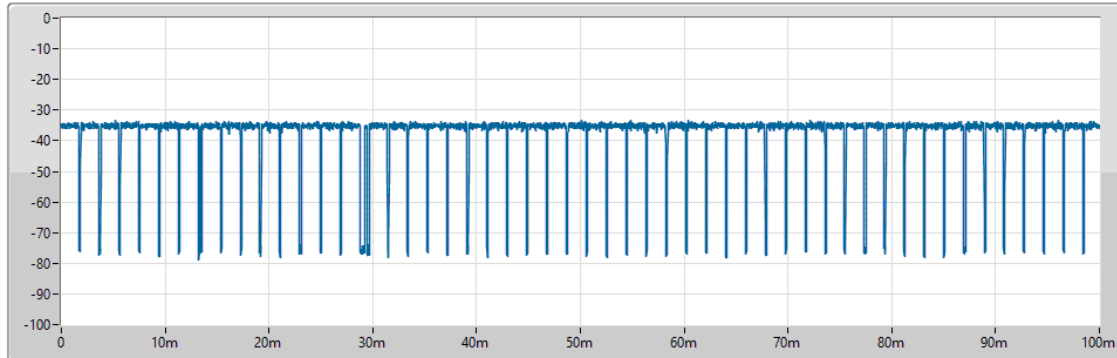
T3[s] T4[s]

NaNs NaNs

Bandwidth 20MHz: Traffic Loading Plot - 6695MHz

Time Analysis

Main



Sample Time

12.5us

All TX Time

92.5375ms

All TX Sample

7403

Duty Cycle

0.925259

T1[s] T2[s]

NaNs NaNs

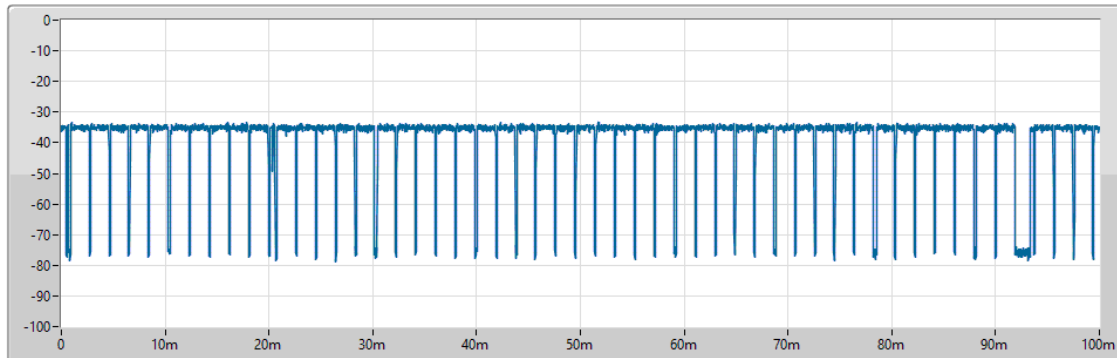
T3[s] T4[s]

NaNs NaNs

Bandwidth 20MHz: Traffic Loading Plot - 7015MHz

Time Analysis

Main



Sample Time

12.5us

All TX Time

90.7375ms

All TX Sample

7259

Duty Cycle

0.907262

T1[s] T2[s]

NaNs NaNs

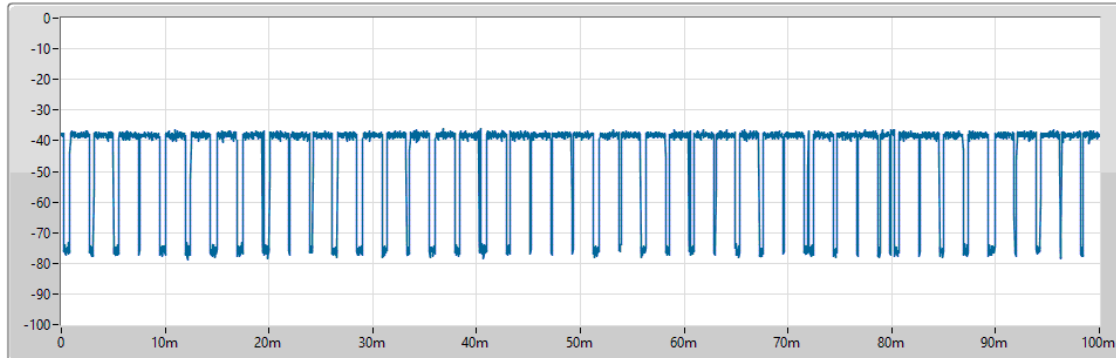
T3[s] T4[s]

NaNs NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6185MHz

Time Analysis

Main



Sample Time

12.5us

All TX Time

83.175ms

All TX Sample

6654

Duty Cycle

0.831646

T1[s]

T2[s]

NaNs

NaNs

T3[s]

T4[s]

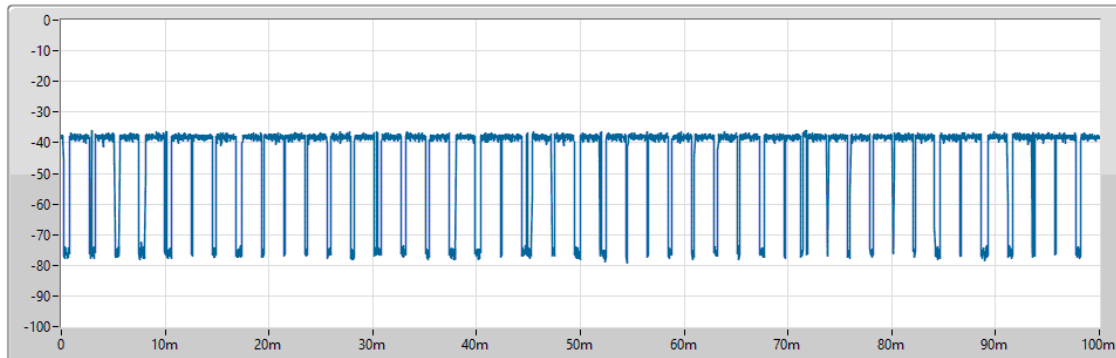
NaNs

NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6505MHz

Time Analysis

Main



Sample Time

12.5us

All TX Time

83.975ms

All TX Sample

6718

Duty Cycle

0.839645

T1[s]

T2[s]

NaNs

NaNs

T3[s]

T4[s]

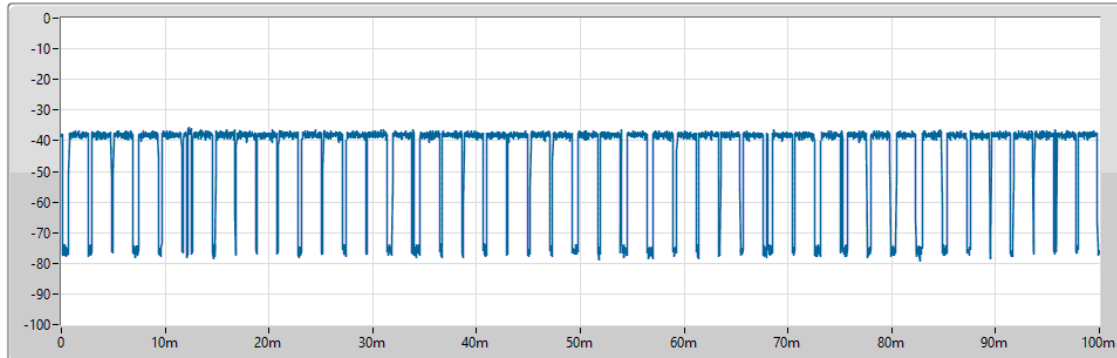
NaNs

NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6665MHz

Time Analysis

Main



Sample Time

12.5us

All TX Time

84.6375ms

All TX Sample

6771

Duty Cycle

0.846269

T1[s] T2[s]

NaNs NaNs

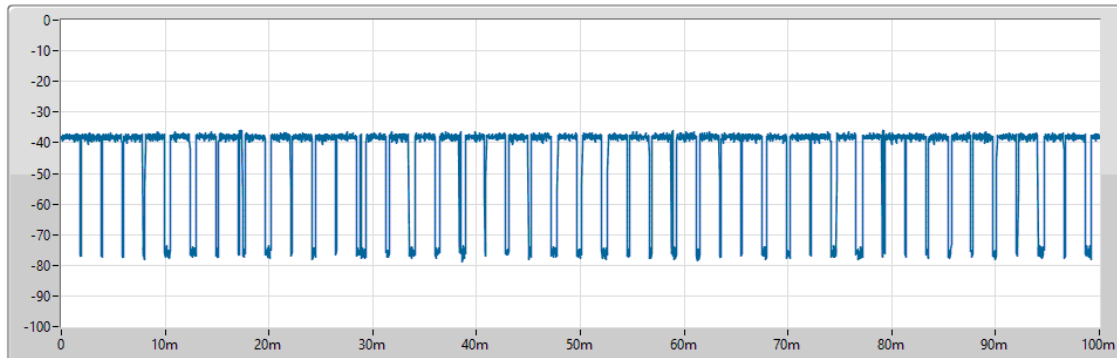
T3[s] T4[s]

NaNs NaNs

Bandwidth 160MHz: Traffic Loading Plot - 6985MHz

Time Analysis

Main



Sample Time

12.5us

All TX Time

84.8875ms

All TX Sample

6791

Duty Cycle

0.848769

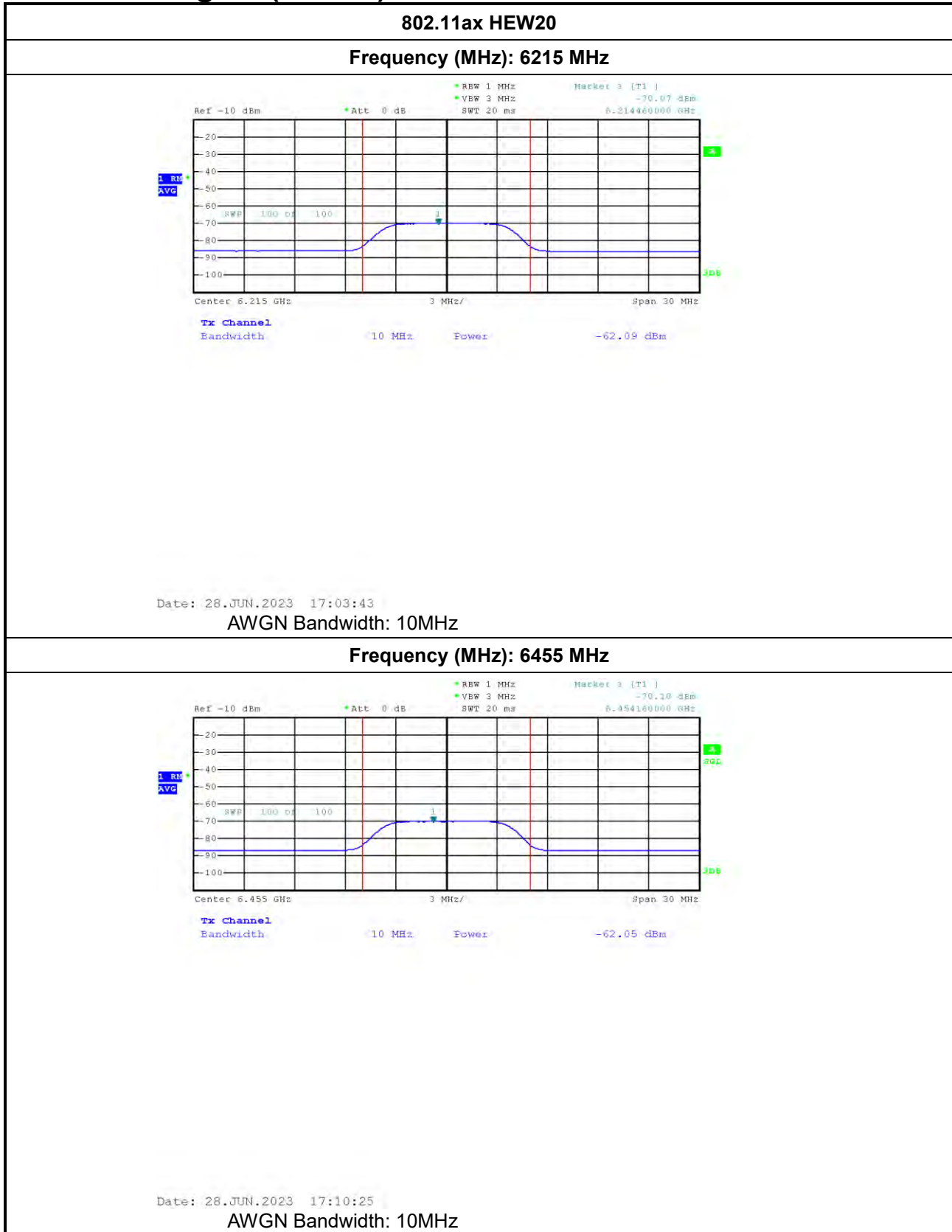
T1[s] T2[s]

NaNs NaNs

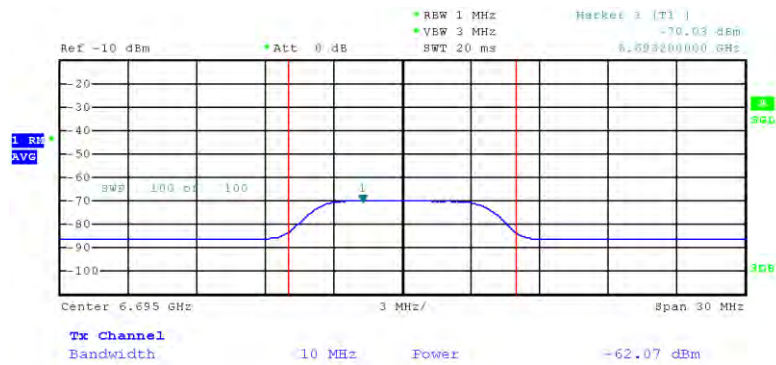
T3[s] T4[s]

NaNs NaNs

1. Incumbent signal (AWGN) Plot



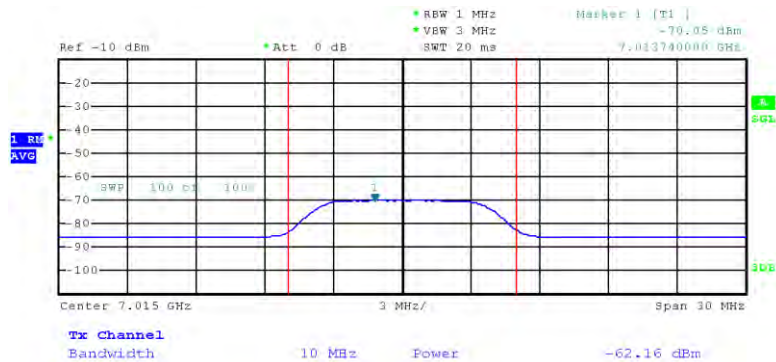
Frequency (MHz): 6695 MHz



Date: 28.JUN.2023 17:12:20

AWGN Bandwidth: 10MHz

Frequency (MHz): 7015 MHz

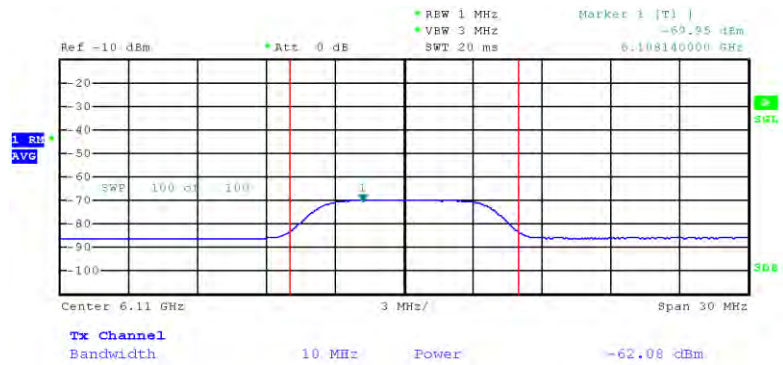


Date: 28.JUN.2023 17:13:37

AWGN Bandwidth: 10MHz

802.11ax HEW160

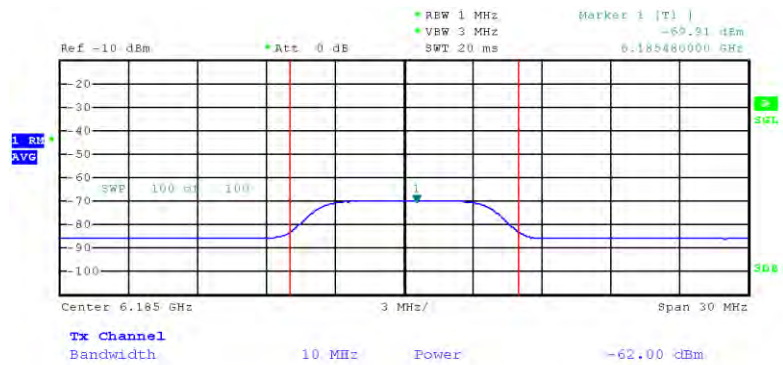
Frequency (MHz): 6110 MHz



Date: 28.JUN.2023 09:27:39

AWGN Bandwidth: 10MHz

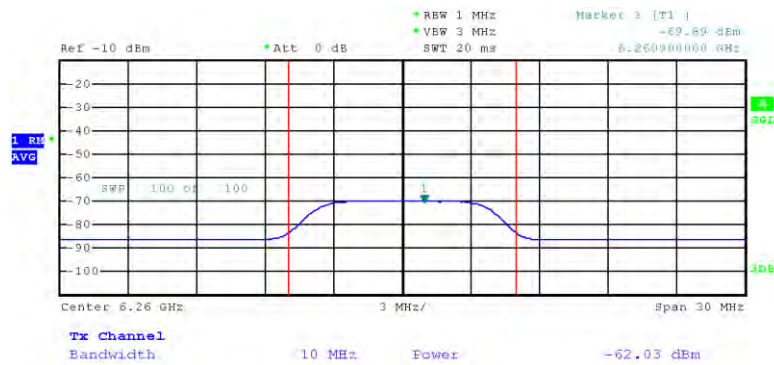
Frequency (MHz): 6185 MHz



Date: 28.JUN.2023 17:18:17

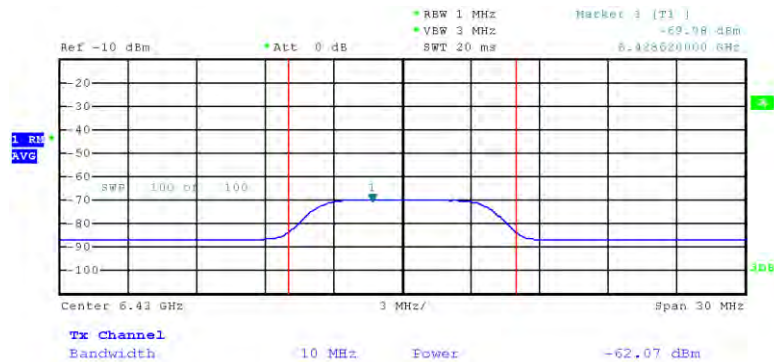
AWGN Bandwidth: 10MHz

Frequency (MHz): 6260 MHz



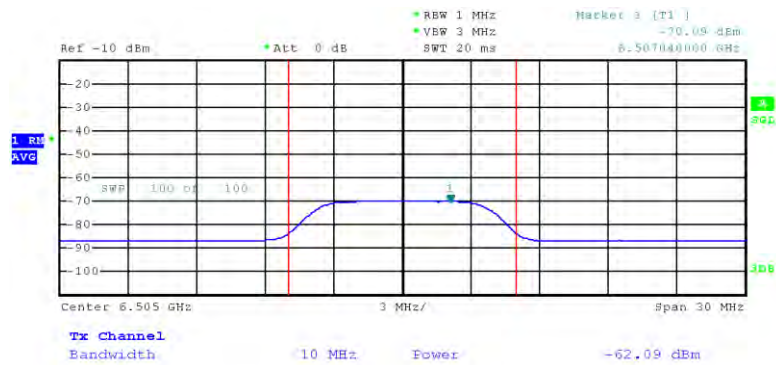
Date: 28.JUN.2023 09:28:14
AWGN Bandwidth: 10MHz

Frequency (MHz): 6430 MHz



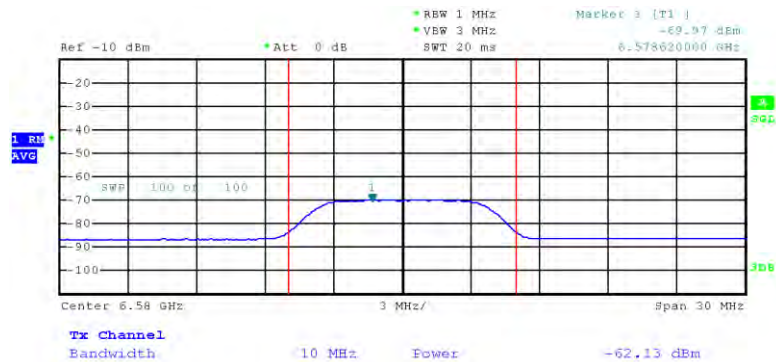
Date: 28.JUN.2023 17:27:06
AWGN Bandwidth: 10MHz

Frequency (MHz): 6505 MHz



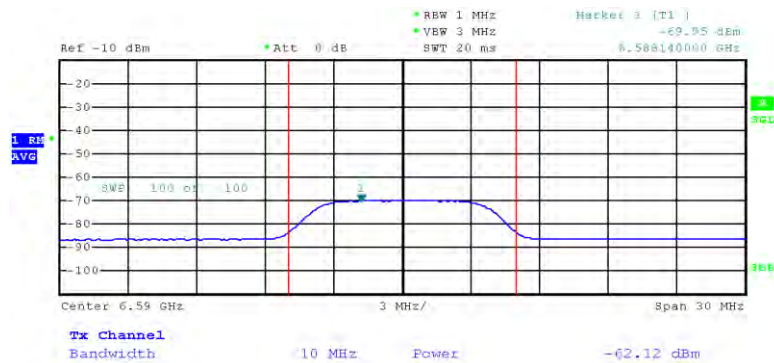
Date: 28.JUN.2023 17:28:35
AWGN Bandwidth: 10MHz

Frequency (MHz): 6580 MHz



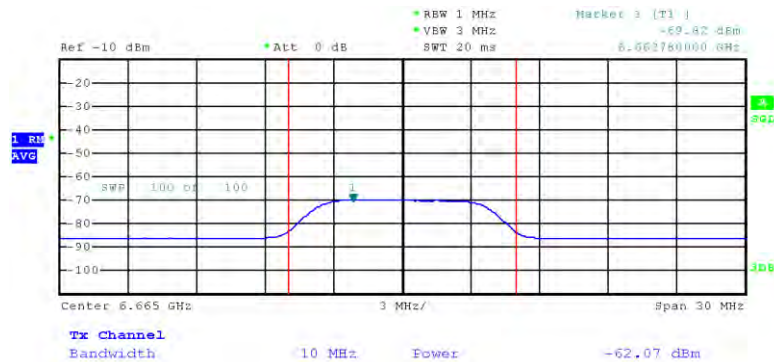
Date: 28.JUN.2023 17:29:25
AWGN Bandwidth: 10MHz

Frequency (MHz): 6590 MHz



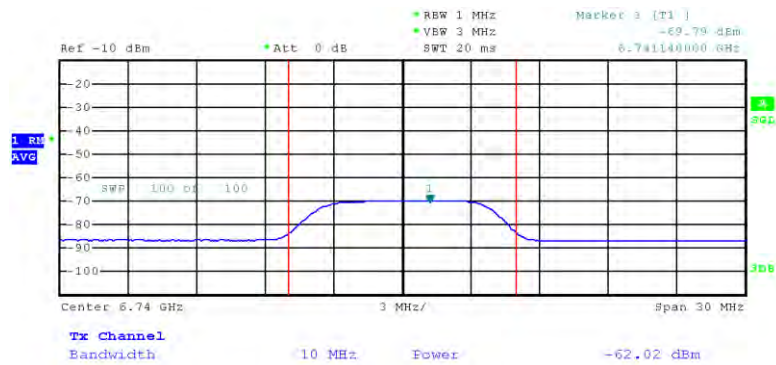
Date: 28.JUN.2023 17:30:04
AWGN Bandwidth: 10MHz

Frequency (MHz): 6665 MHz



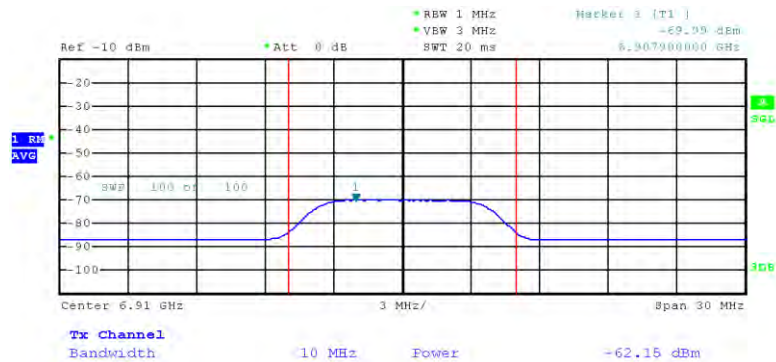
Date: 28.JUN.2023 17:31:09
AWGN Bandwidth: 10MHz

Frequency (MHz): 6740 MHz



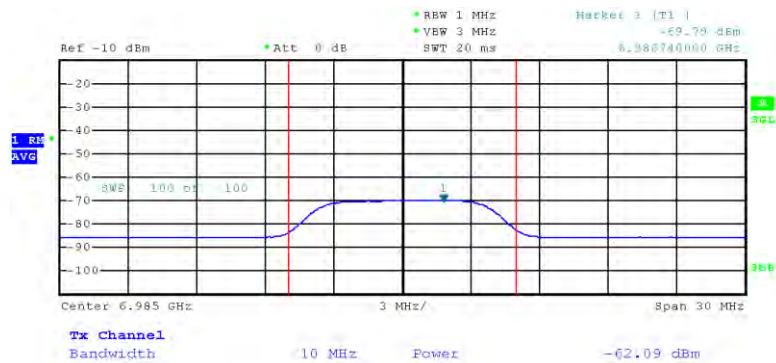
Date: 28.JUN.2023 17:32:37
 AWGN Bandwidth: 10MHz

Frequency (MHz): 6910 MHz



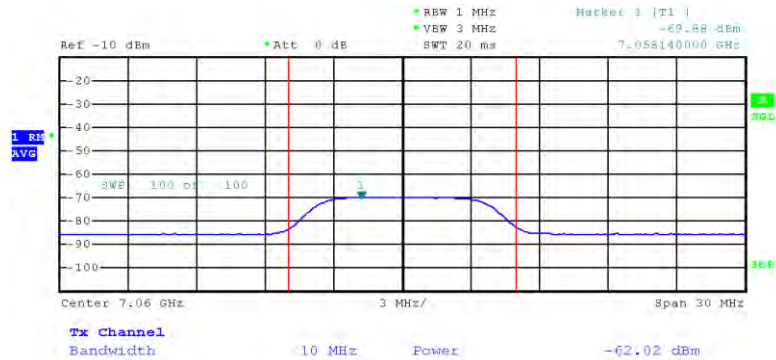
Date: 28.JUN.2023 17:33:35
 AWGN Bandwidth: 10MHz

Frequency (MHz): 6985 MHz



Date: 28.JUN.2023 17:34:54
AWGN Bandwidth: 10MHz

Frequency (MHz): 7060 MHz



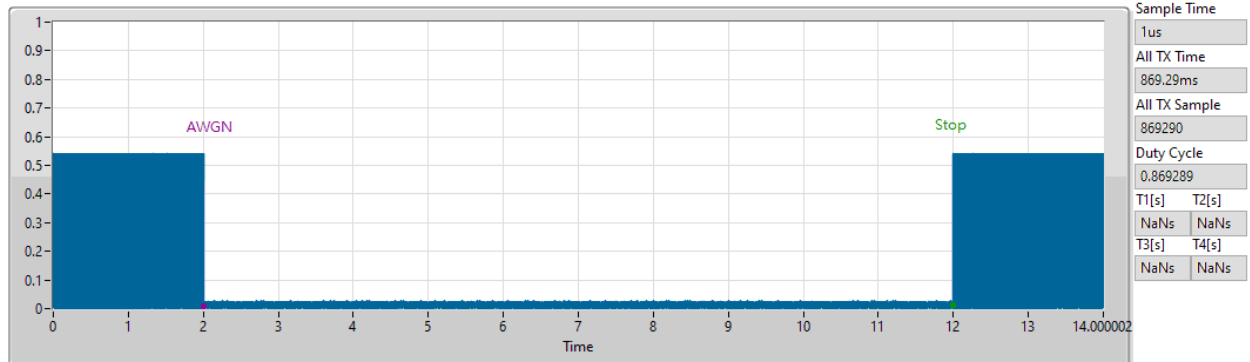
Date: 28.JUN.2023 17:36:12
AWGN Bandwidth: 10MHz

2. Contention-Based Protocol Plot



Test CH 149 ; Incumbent signal 6695 MHz

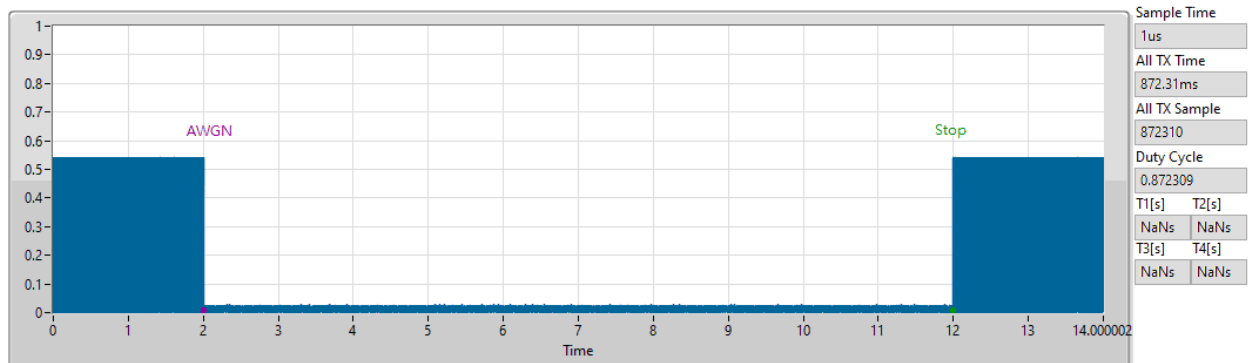
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 213 ; Incumbent signal 7015 MHz

Time Analysis

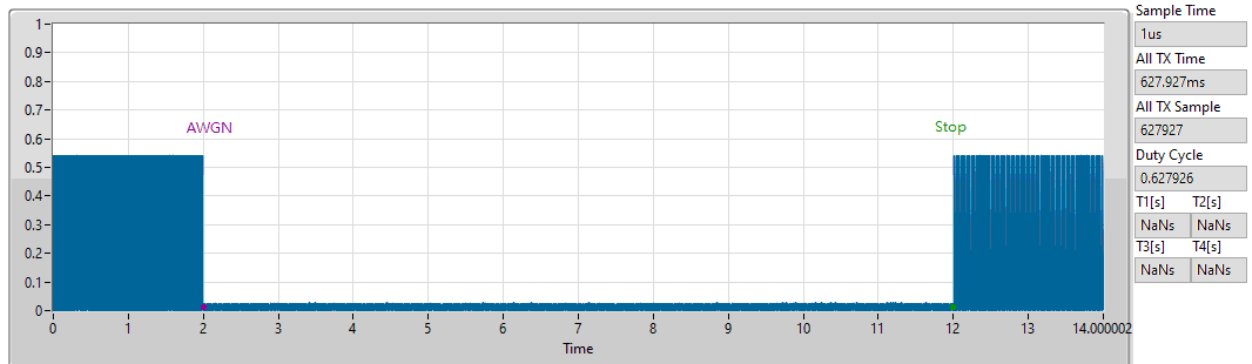


Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

802.11ax HEW160

Test CH 47 ; Incumbent signal 6110 MHz

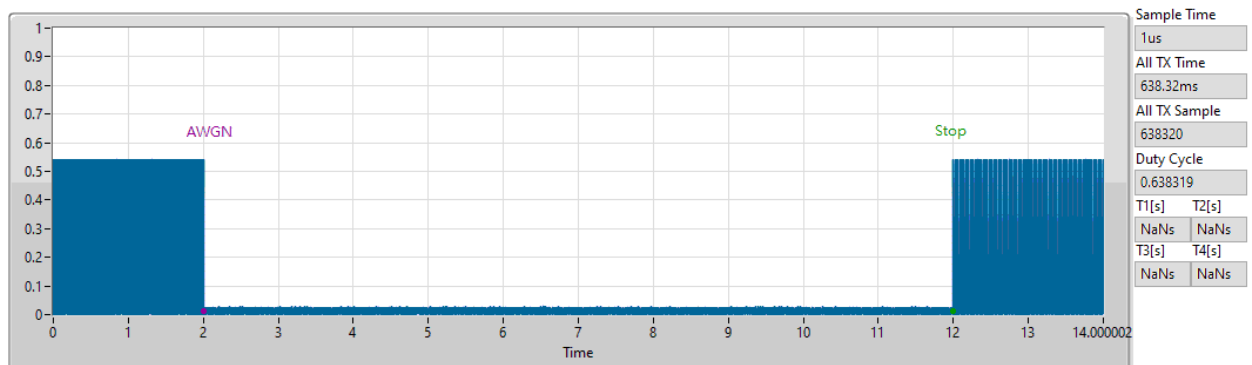
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 47 ; Incumbent signal 6185 MHz

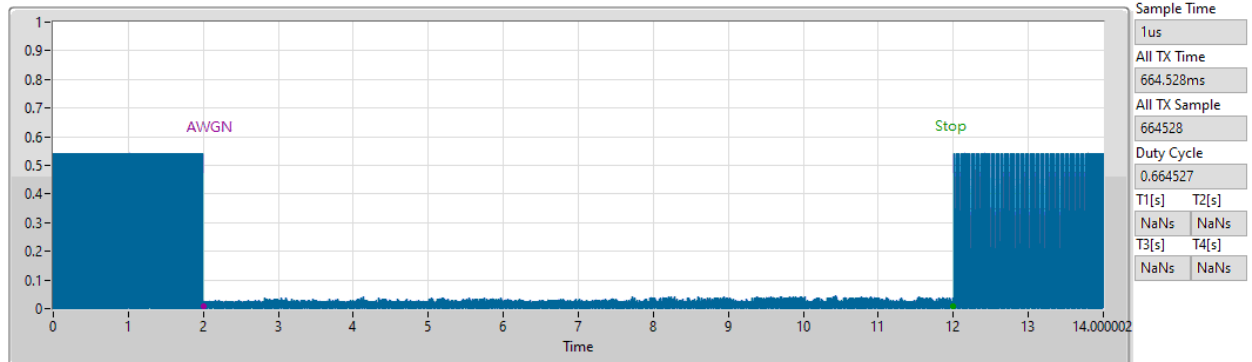
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 47 ; Incumbent signal 6260 MHz

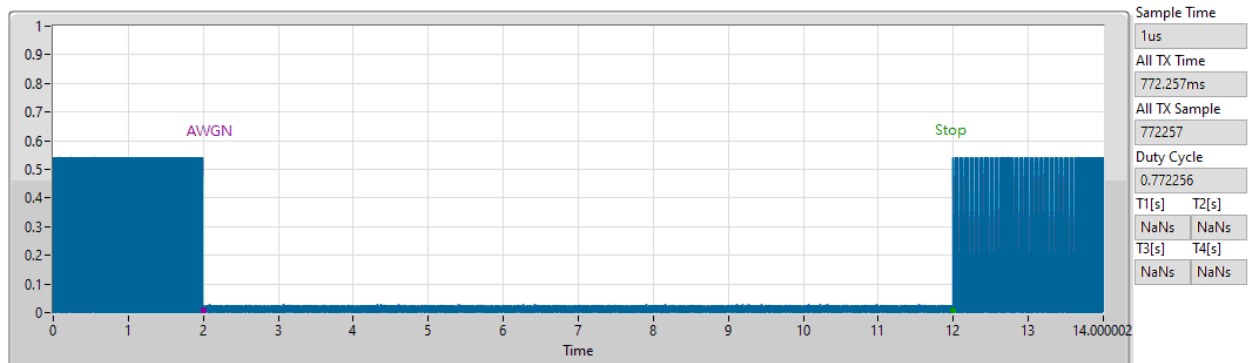
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 111 ; Incumbent signal 6430 MHz

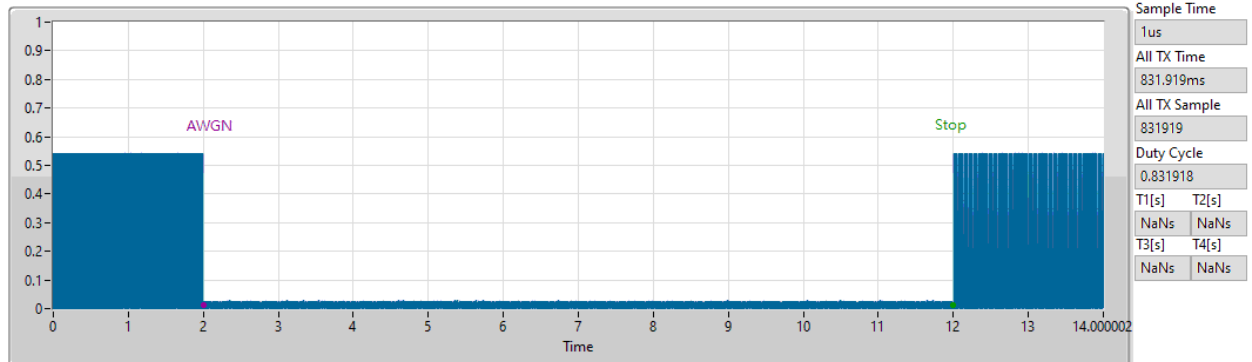
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 111 ; Incumbent signal 6505 MHz

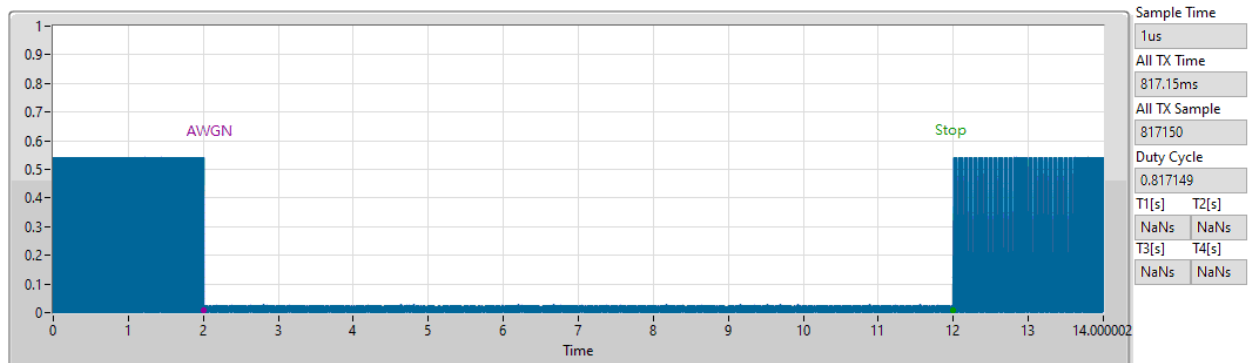
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 111 ; Incumbent signal 6580 MHz

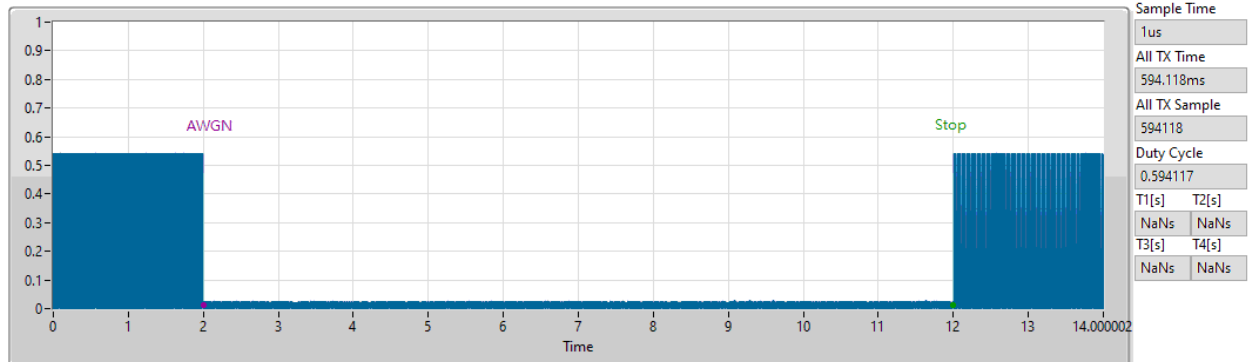
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 143 ; Incumbent signal 6590 MHz

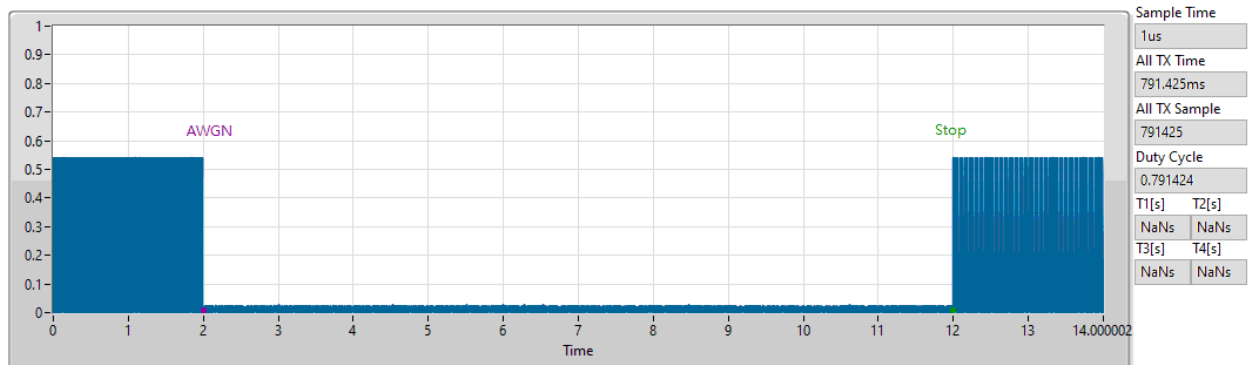
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 143 ; Incumbent signal 6665 MHz

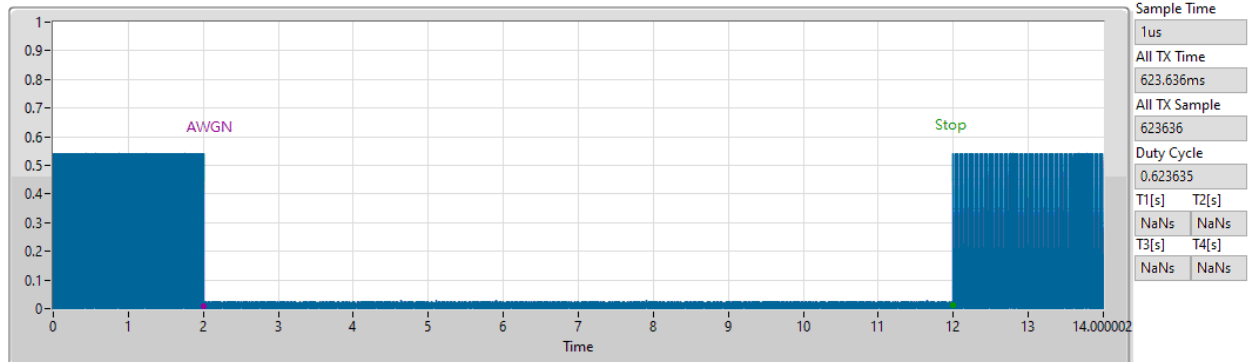
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 143 ; Incumbent signal 6740 MHz

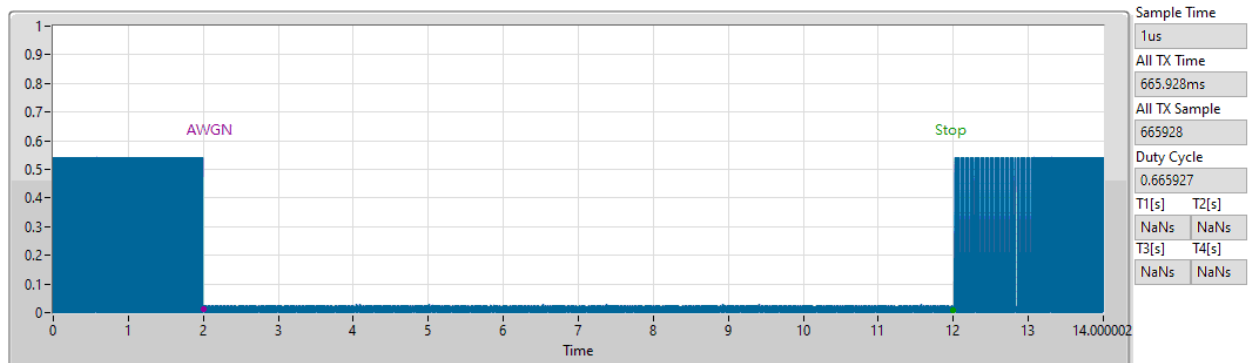
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 207 ; Incumbent signal 6910 MHz

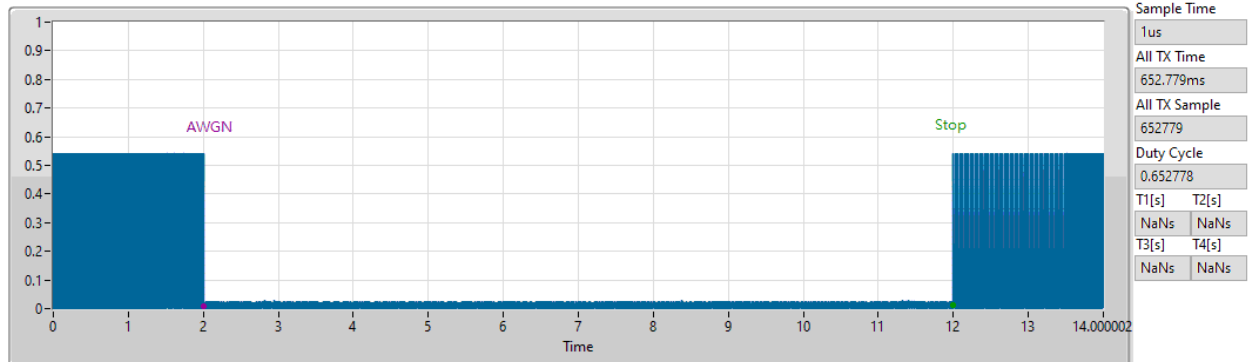
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

Test CH 207 ; Incumbent signal 6985 MHz

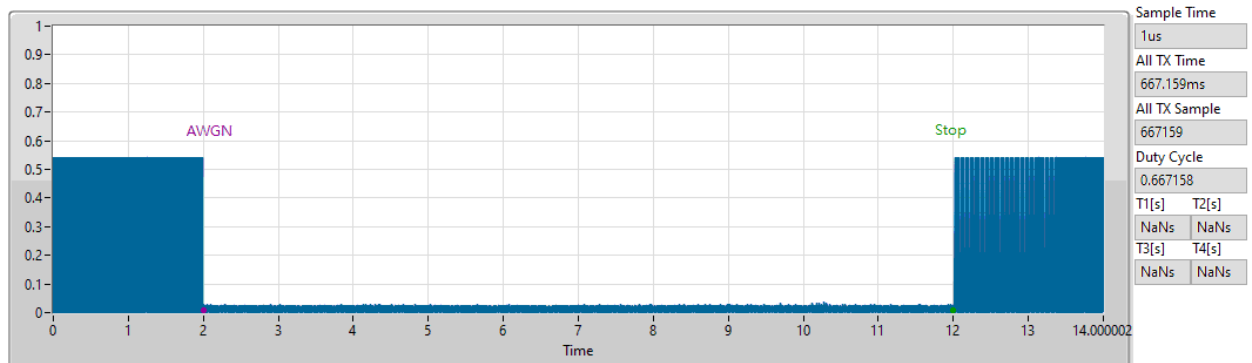
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

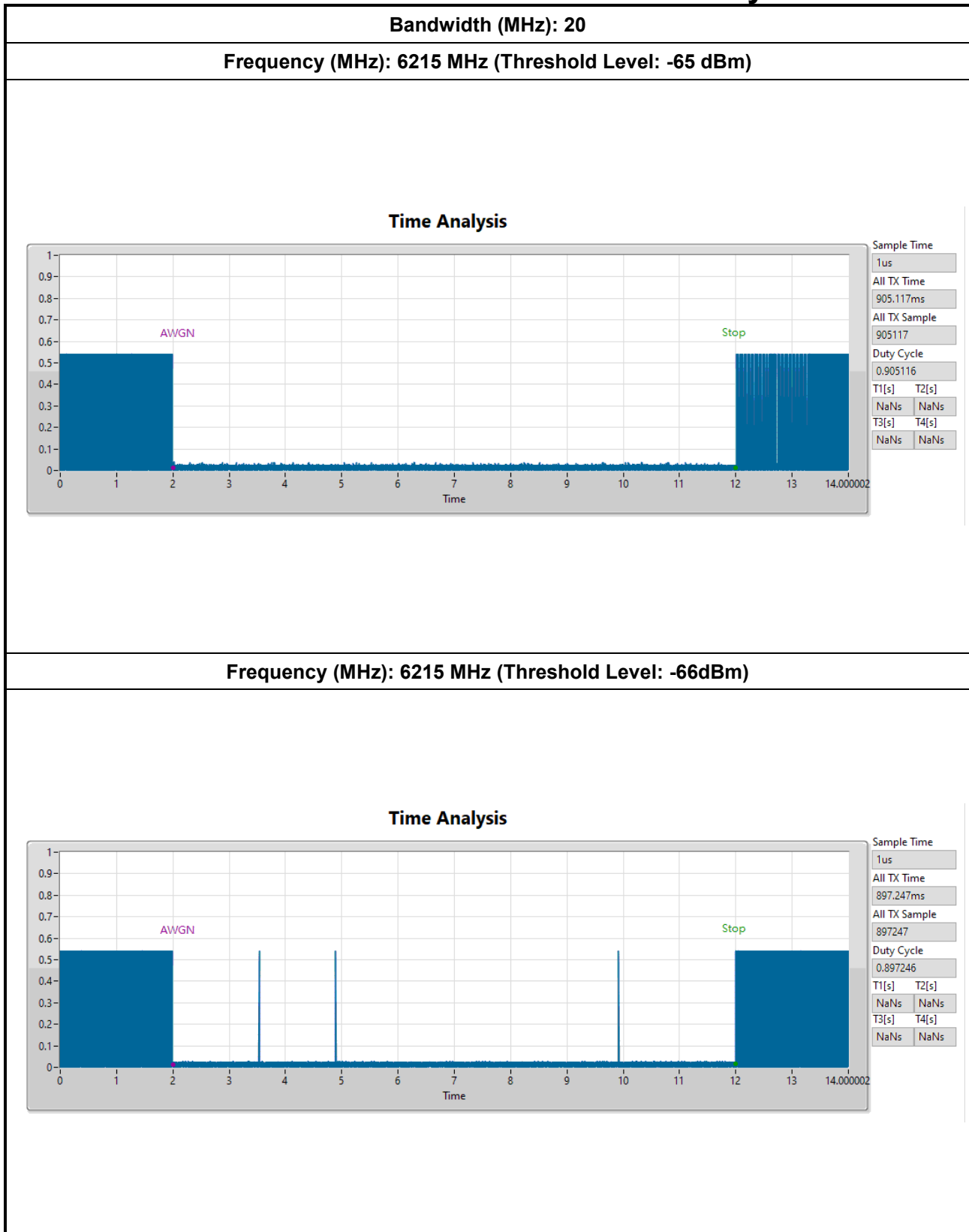
Test CH 207 ; Incumbent signal 7060 MHz

Time Analysis



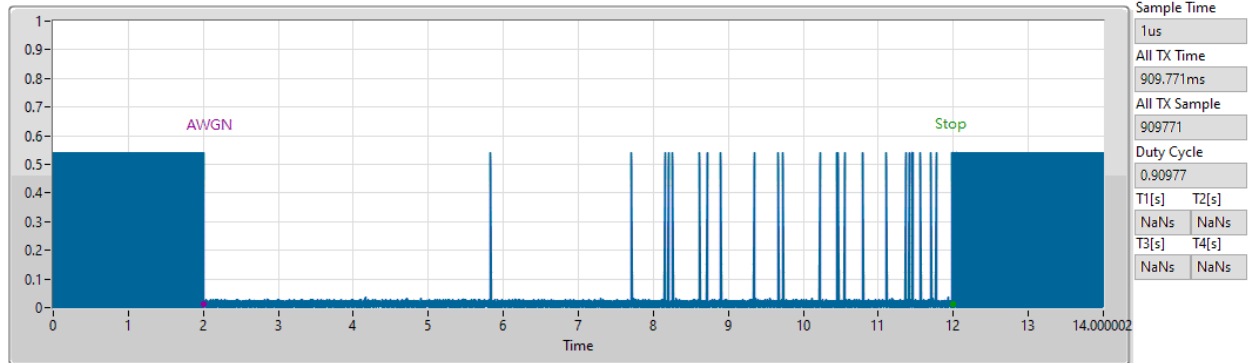
Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

3. Contention Based Protocol Threshold Level Verify Plot



Frequency (MHz): 6215 MHz (Threshold Level: -67 dBm)

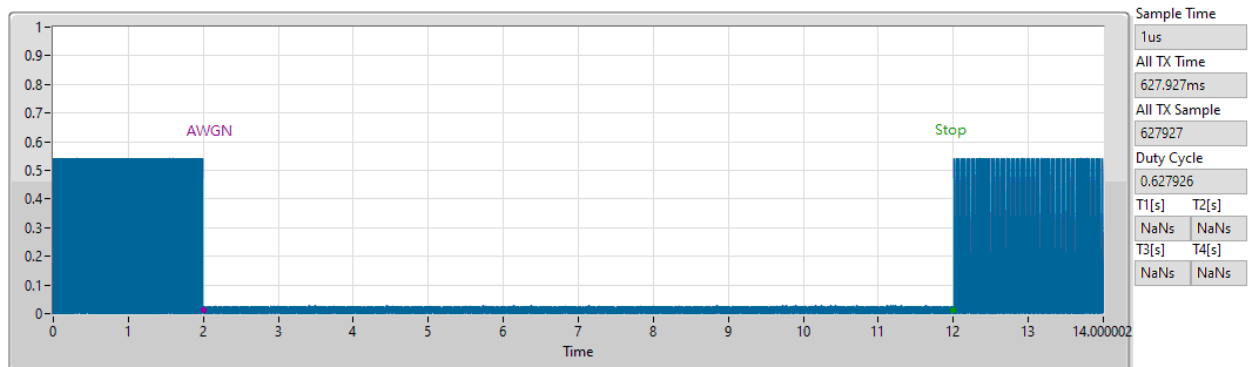
Time Analysis



Bandwidth (MHz): 160

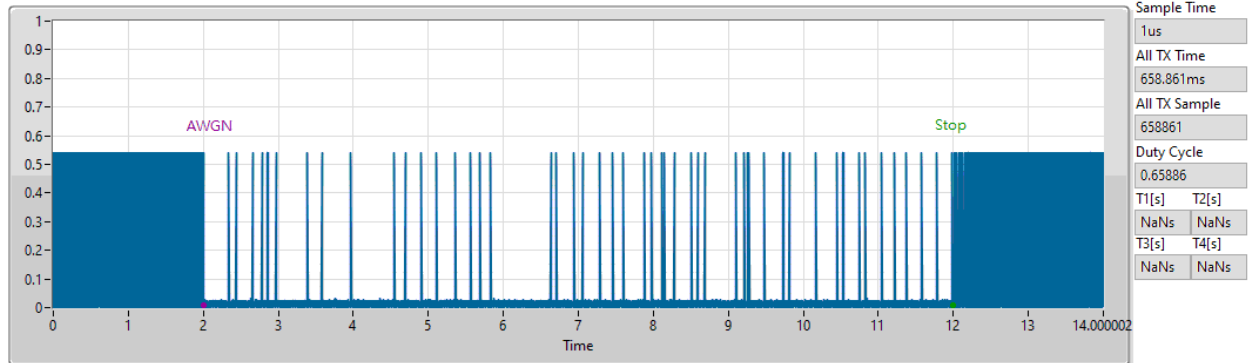
Frequency (MHz): 6110 MHz (Threshold Level: -70dBm)

Time Analysis



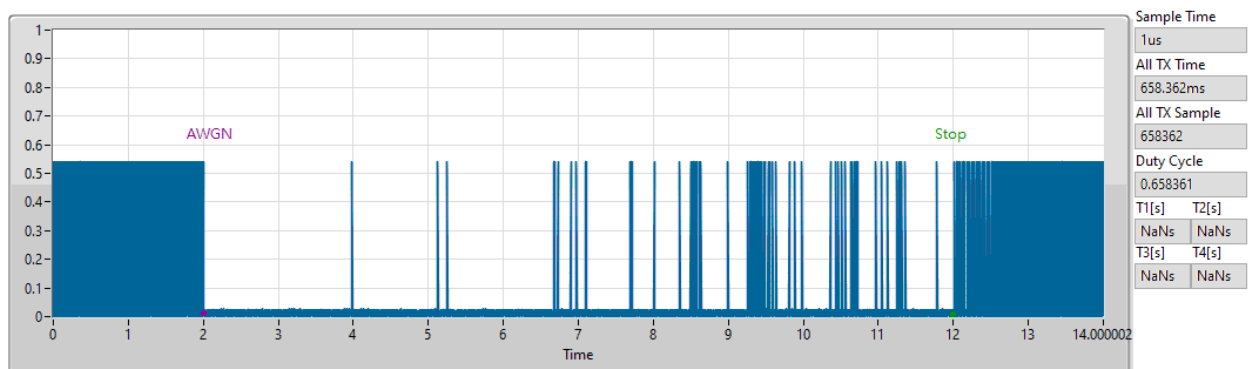
Frequency (MHz): 6110 MHz (Threshold Level: -71dBm)

Time Analysis



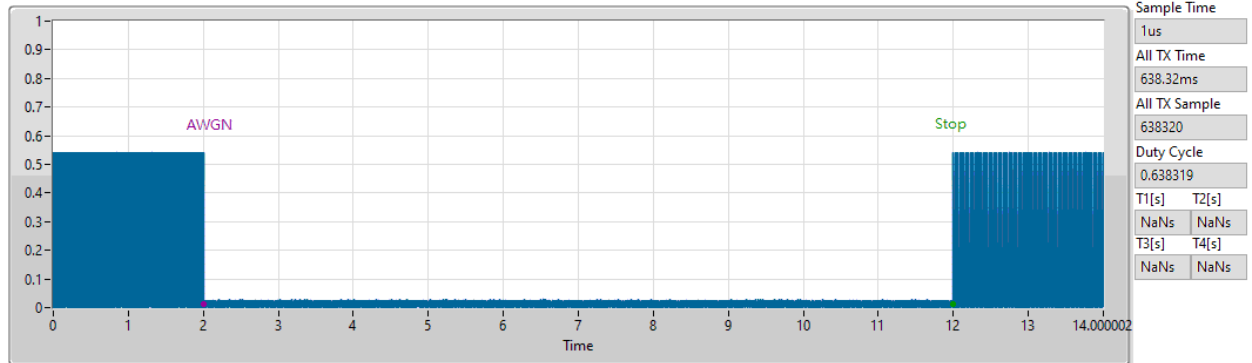
Frequency (MHz): 6110 MHz (Threshold Level: -72dBm)

Time Analysis



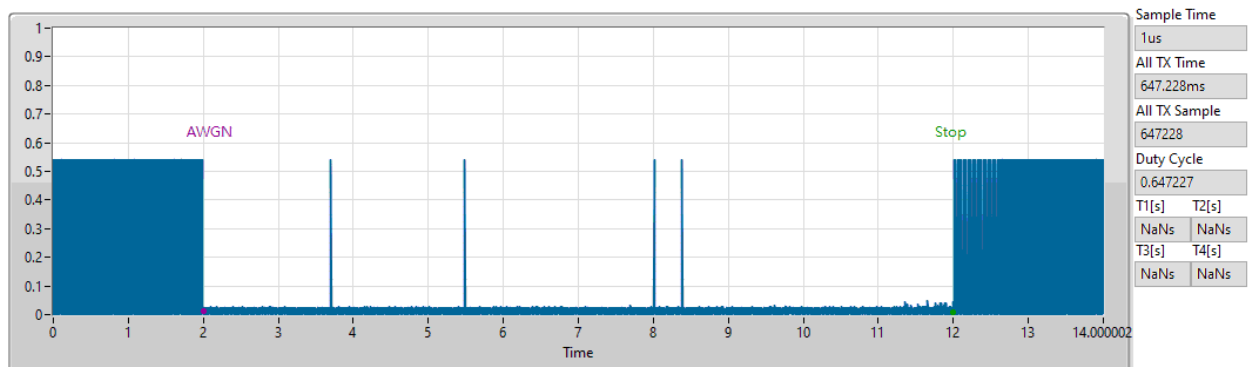
Frequency (MHz): 6185 MHz (Threshold Level: -69dBm)

Time Analysis



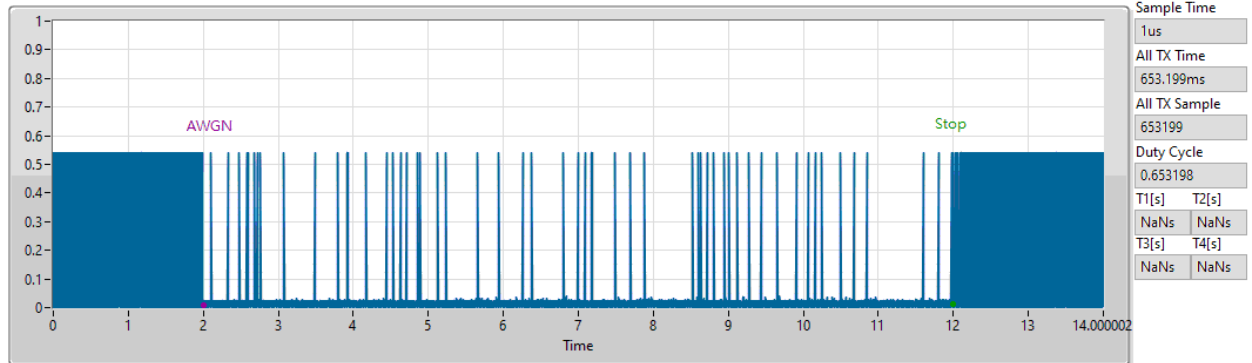
Frequency (MHz): 6185 MHz (Threshold Level: -70dBm)

Time Analysis



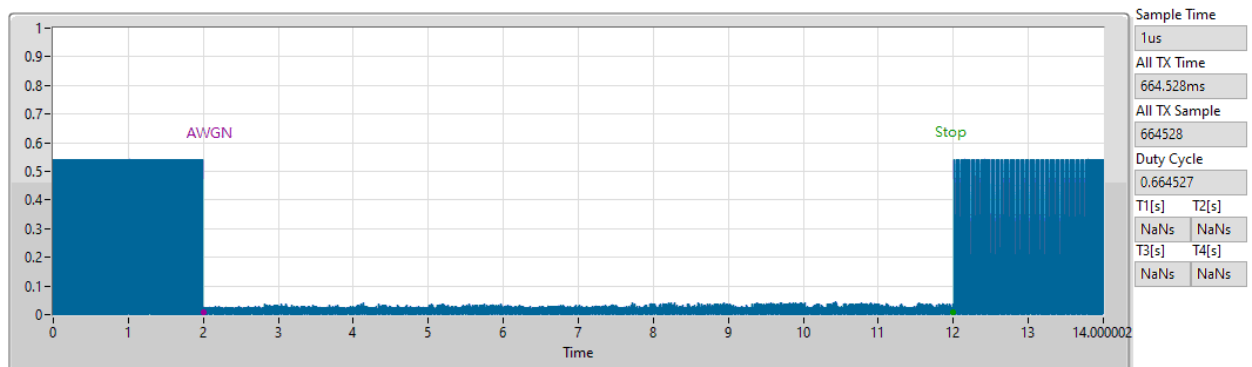
Frequency (MHz): 6185 MHz (Threshold Level: -71 dBm)

Time Analysis



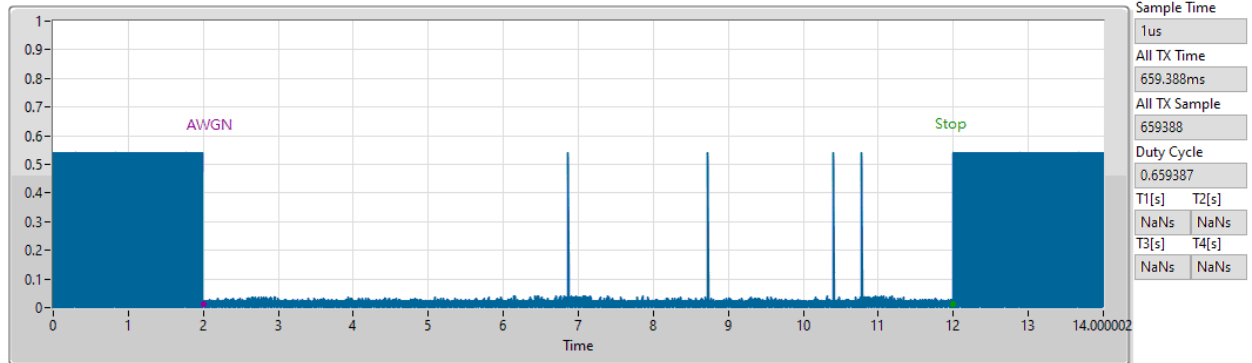
Frequency (MHz): 6260 MHz (Threshold Level: -72dBm)

Time Analysis



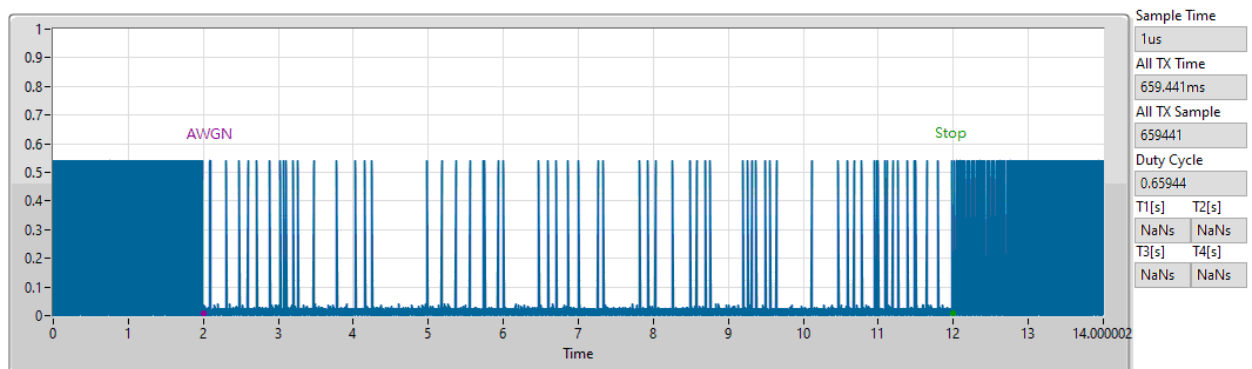
Frequency (MHz): 6260 MHz (Threshold Level: -73dBm)

Time Analysis



Frequency (MHz): 6260 MHz (Threshold Level: -74dBm)

Time Analysis



Antenna Gain(dBi)			
UNII5	UNII6	UNII7	UNII8
6	6	6	6

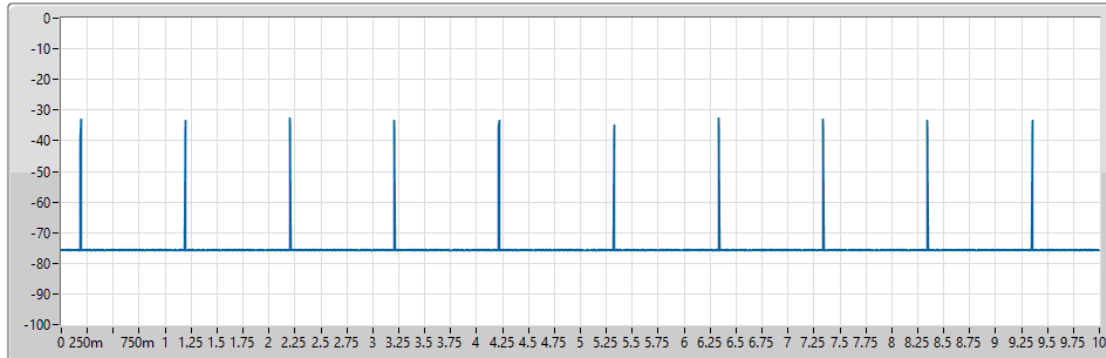
Contention Based protocol (802.11ax HEW20)											
UNII Band	Test Channel	Bandwidth (MHz)	Frequency (MHz)	Intetference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Probability (%)	Limit (%)	Test Result
5	53	20	6215	Center	6215	-76.00	OFF	10	100	90	Pass
6	101	20	6455	Center	6455	-76.00	OFF	10	100	90	Pass
7	149	20	6695	Center	6695	-79.00	OFF	10	100	90	Pass
8	213	20	7015	Center	7015	-73.00	OFF	10	100	90	Pass

Contention Based Protocol Threshold Level (802.11ax HEW20)										
UNII Band	Test Channel	Bandwidth (MHz)	Frequency (MHz)	Intetference frequency (MHz)		EUT Status	Injected AWGN Power (dBm)	Ant Gain (dBi)	Detection Power(dBm)	Detection Limit (dBm)
5	53	20	6215	Center	6215	OFF	-70.00	6.00	-76.00	≤ -62
						Minimal	-71.00	6.00	-77.00	≤ -62
						ON	-72.00	6.00	-78.00	≤ -62
6	101	20	6455	Center	6455	OFF	-70.00	6.00	-76.00	≤ -62
						Minimal	-71.00	6.00	-77.00	≤ -62
						ON	-72.00	6.00	-78.00	≤ -62
7	149	20	6695	Center	6695	OFF	-73.00	6.00	-79.00	≤ -62
						Minimal	-74.00	6.00	-80.00	≤ -62
						ON	-75.00	6.00	-81.00	≤ -62
8	213	20	7015	Center	7015	OFF	-67.00	6.00	-73.00	≤ -62
						Minimal	-68.00	6.00	-74.00	≤ -62
						ON	-69.00	6.00	-75.00	≤ -62

Bandwidth 20MHz: Traffic Loading Plot - 6215MHz

Time Analysis

Main



Sample Time

1.25ms

All TX Time

36.25ms

All TX Sample

29

Duty Cycle

0.003625

T1[s] T2[s]

NaNs NaNs

T3[s] T4[s]

NaNs NaNs

Bandwidth 20MHz: Traffic Loading Plot - 6455MHz

Time Analysis

Main



Sample Time

1.25ms

All TX Time

28.75ms

All TX Sample

23

Duty Cycle

0.002875

T1[s] T2[s]

NaNs NaNs

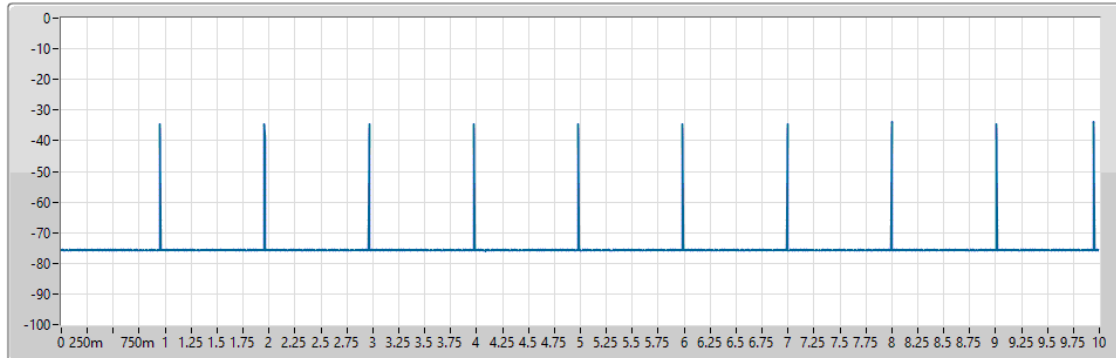
T3[s] T4[s]

NaNs NaNs

Bandwidth 20MHz: Traffic Loading Plot - 6695MHz

Time Analysis

Main



Sample Time

1.25ms

All TX Time

33.75ms

All TX Sample

27

Duty Cycle

0.003375

T1[s] T2[s]

NaNs NaNs

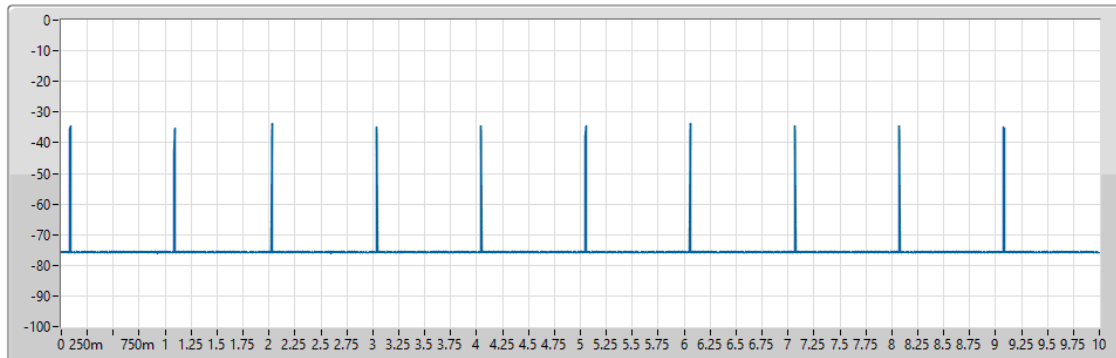
T3[s] T4[s]

NaNs NaNs

Bandwidth 20MHz: Traffic Loading Plot - 7015MHz

Time Analysis

Main



Sample Time

1.25ms

All TX Time

32.5ms

All TX Sample

26

Duty Cycle

0.00325

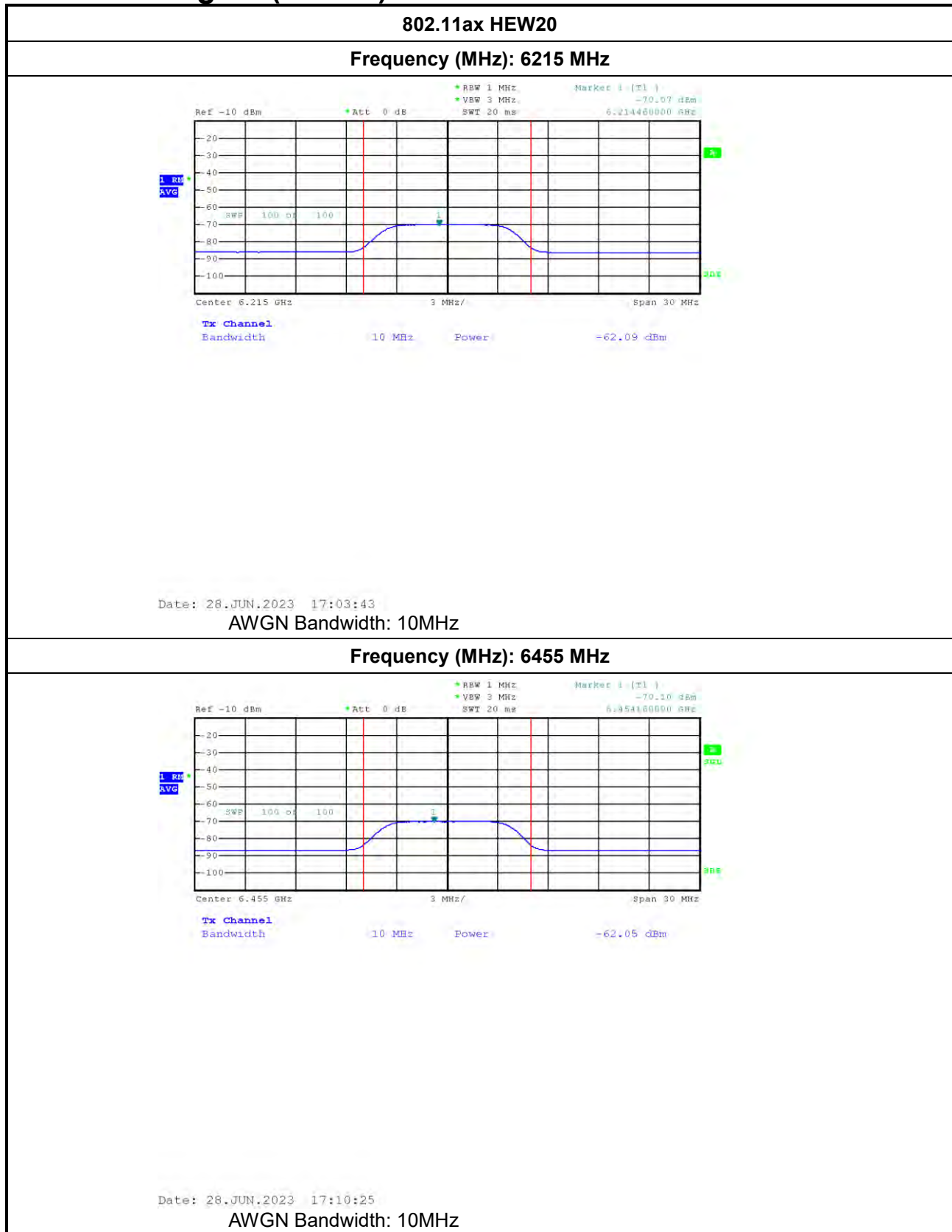
T1[s] T2[s]

NaNs NaNs

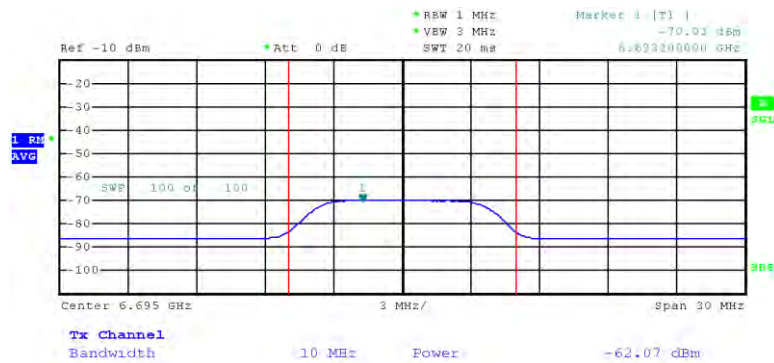
T3[s] T4[s]

NaNs NaNs

1. Incumbent signal (AWGN) Plot



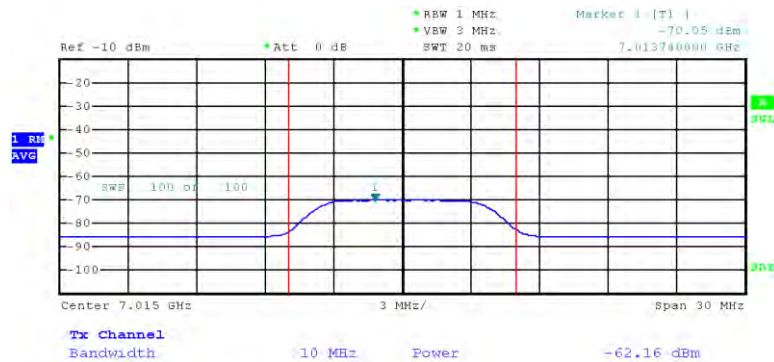
Frequency (MHz): 6695 MHz



Date: 28.JUN.2023 17:12:20

AWGN Bandwidth: 10MHz

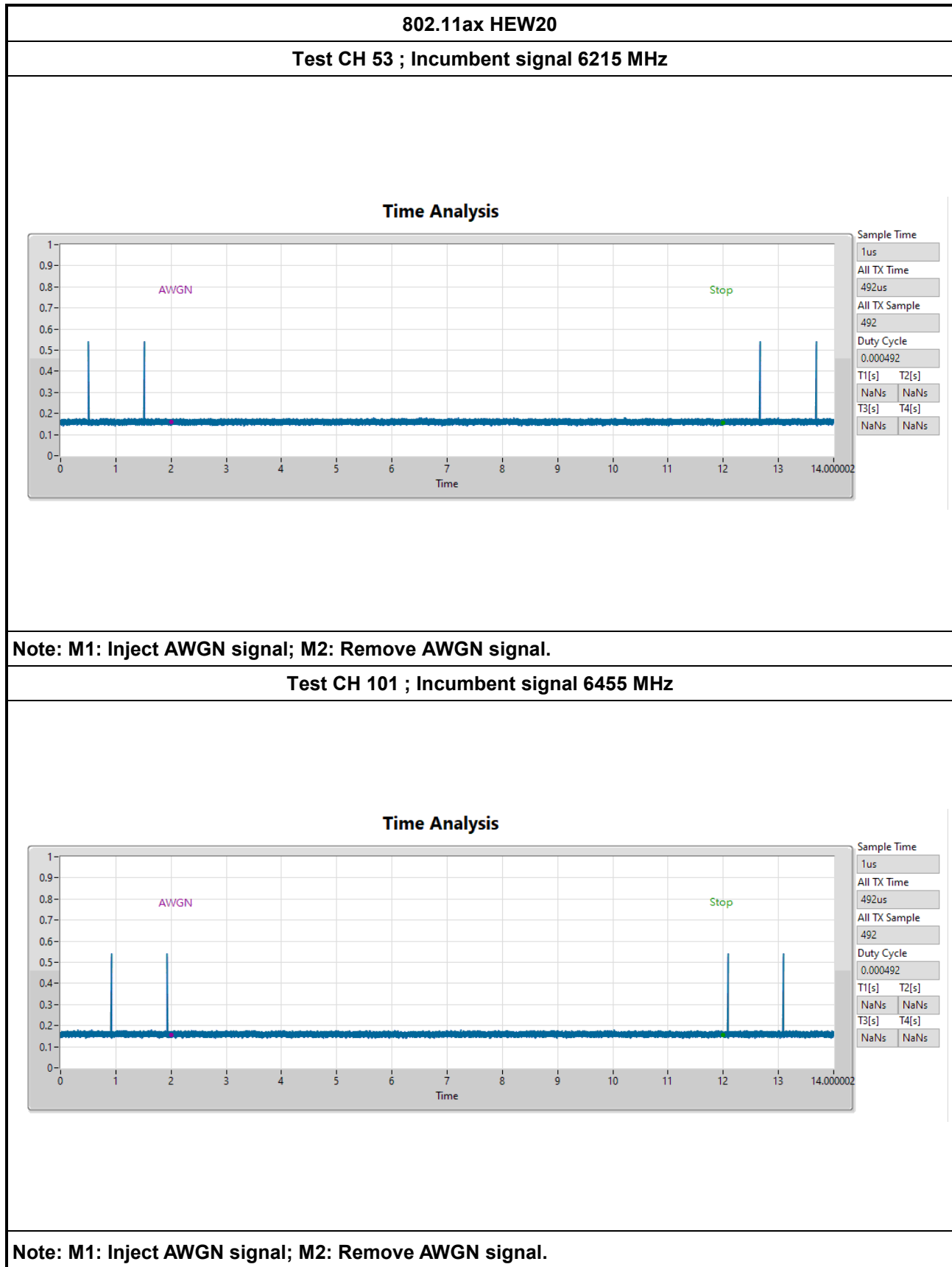
Frequency (MHz): 7015 MHz



Date: 28.JUN.2023 17:13:37

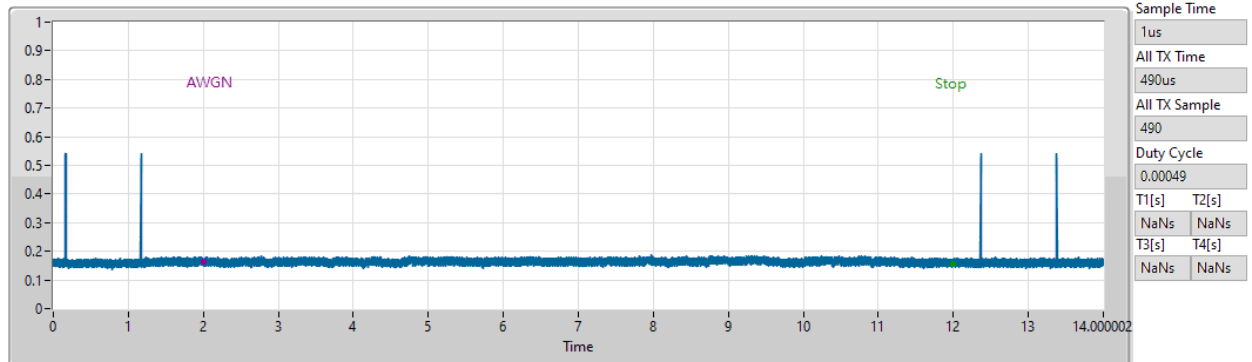
AWGN Bandwidth: 10MHz

2. Contention-Based Protocol Plot



Test CH 149 ; Incumbent signal 6695 MHz

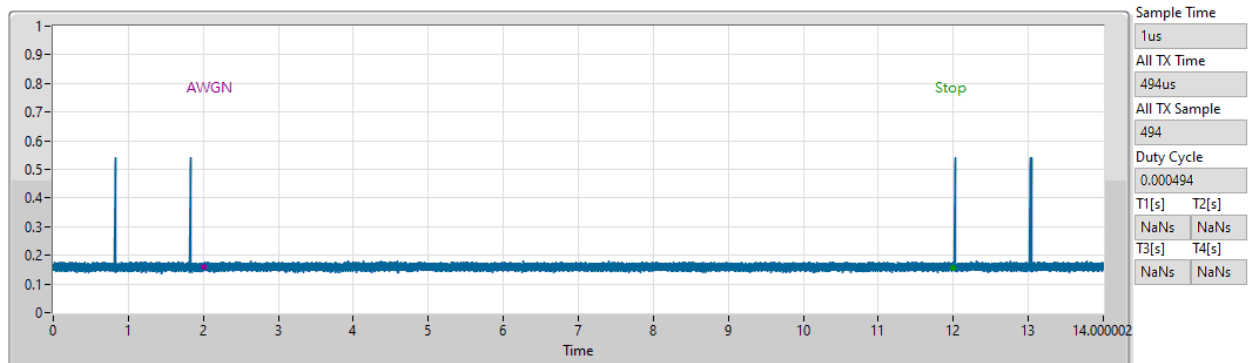
Time Analysis



Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

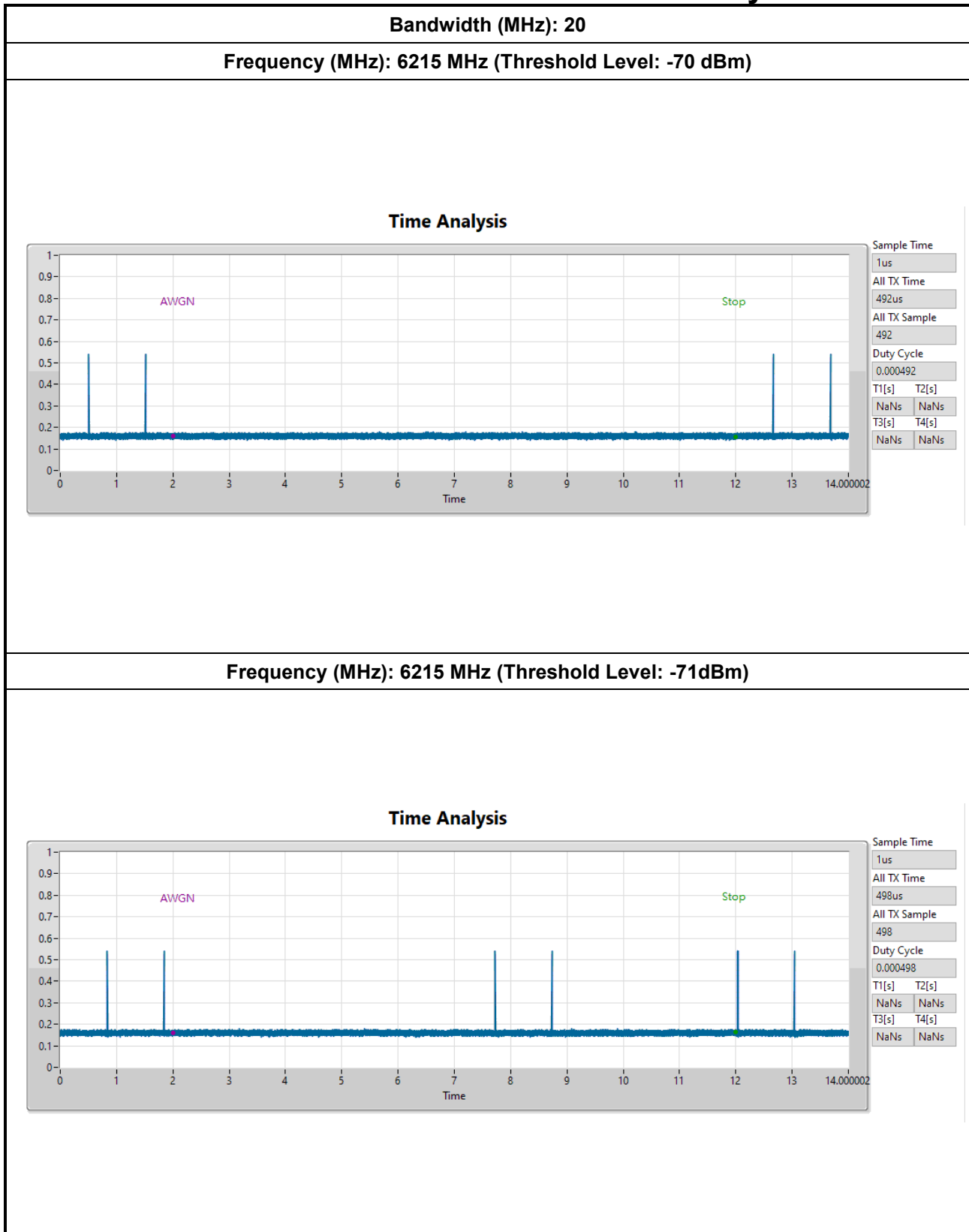
Test CH 213 ; Incumbent signal 7015 MHz

Time Analysis



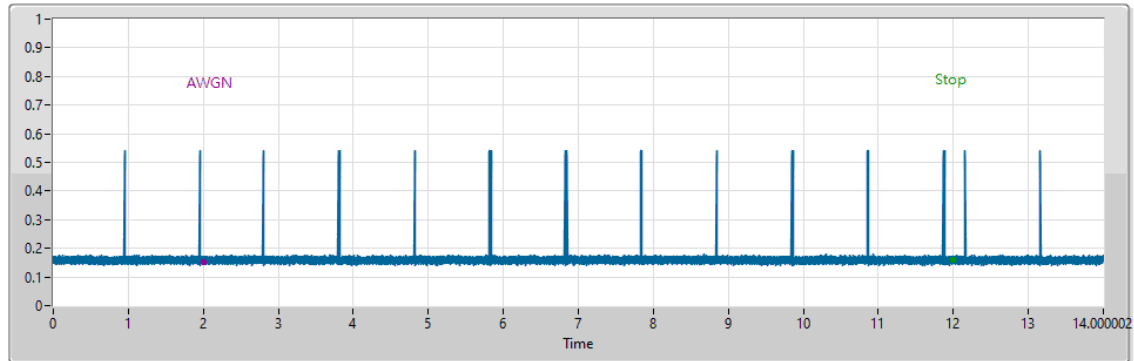
Note: M1: Inject AWGN signal; M2: Remove AWGN signal.

3. Contention Based Protocol Threshold Level Verify Plot



Frequency (MHz): 6215 MHz (Threshold Level: -72 dBm)

Time Analysis



Sample Time	
1us	
All TX Time	
494us	
All TX Sample	
494	
Duty Cycle	
0.000494	
T1[s]	T2[s]
NaNs	NaNs
T3[s]	T4[s]
NaNs	NaNs



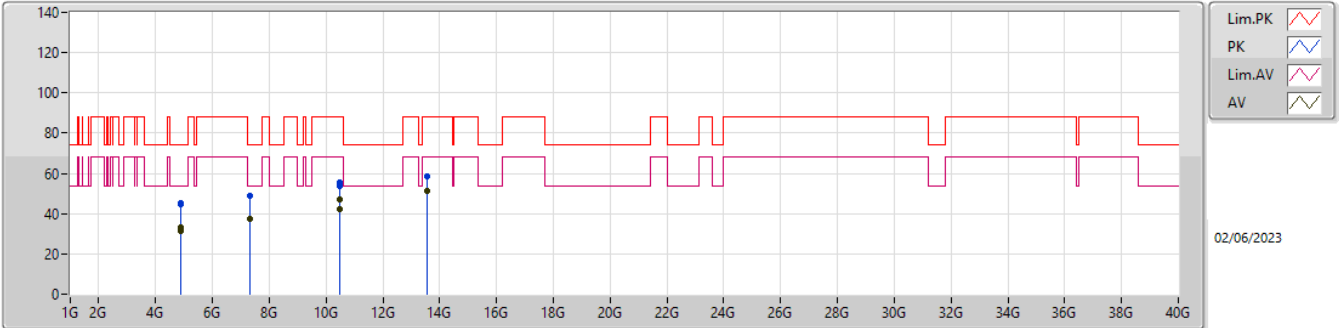
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1.	Pass	AV	13.57132G	54.42	68.20	-13.78	Horizontal

Result

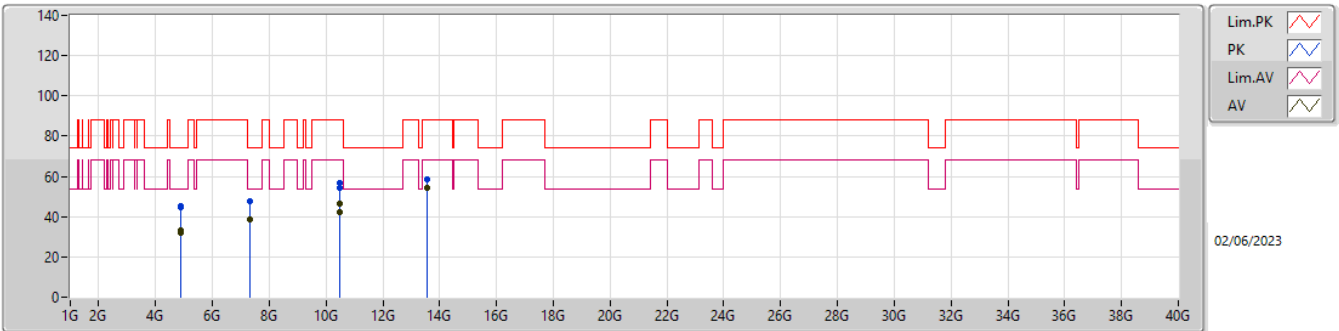
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	AV	4.86904G	33.41	54.00	-20.59	3	Vertical	275	1.50	-
Mode 1.	Pass	AV	4.87838G	31.25	54.00	-22.75	3	Vertical	52	2.12	-
Mode 1.	Pass	AV	7.32321G	37.52	54.00	-16.48	3	Vertical	122	1.20	-
Mode 1.	Pass	AV	10.4772G	42.32	68.20	-25.88	3	Vertical	113	2.45	-
Mode 1.	Pass	AV	10.49528G	47.21	68.20	-20.99	3	Vertical	144	1.40	-
Mode 1.	Pass	AV	13.57062G	51.28	68.20	-16.92	3	Vertical	210	2.20	-
Mode 1.	Pass	PK	4.87688G	45.31	74.00	-28.69	3	Vertical	275	1.50	-
Mode 1.	Pass	PK	4.87867G	44.36	74.00	-29.64	3	Vertical	52	2.12	-
Mode 1.	Pass	PK	7.31857G	48.62	74.00	-25.38	3	Vertical	122	1.20	-
Mode 1.	Pass	PK	10.47296G	53.85	88.20	-34.35	3	Vertical	113	2.45	-
Mode 1.	Pass	PK	10.49623G	55.78	88.20	-32.42	3	Vertical	144	1.40	-
Mode 1.	Pass	PK	13.57125G	58.69	88.20	-29.51	3	Vertical	210	2.20	-
Mode 1.	Pass	AV	4.87848G	32.25	54.00	-21.75	3	Horizontal	132	1.32	-
Mode 1.	Pass	AV	4.88006G	33.45	54.00	-20.55	3	Horizontal	256	1.50	-
Mode 1.	Pass	AV	7.32342G	38.62	54.00	-15.38	3	Horizontal	210	2.20	-
Mode 1.	Pass	AV	10.47194G	42.44	68.20	-25.76	3	Horizontal	157	1.50	-
Mode 1.	Pass	AV	10.49953G	46.62	68.20	-21.58	3	Horizontal	150	1.00	-
Mode 1.	Pass	AV	13.57132G	54.42	68.20	-13.78	3	Horizontal	300	2.60	-
Mode 1.	Pass	PK	4.86724G	44.68	74.00	-29.32	3	Horizontal	256	1.50	-
Mode 1.	Pass	PK	4.87872G	45.32	74.00	-28.68	3	Horizontal	132	1.32	-
Mode 1.	Pass	PK	7.31979G	47.52	74.00	-26.48	3	Horizontal	210	2.20	-
Mode 1.	Pass	PK	10.47302G	54.50	88.20	-33.70	3	Horizontal	157	1.50	-
Mode 1.	Pass	PK	10.49762G	56.78	88.20	-31.42	3	Horizontal	150	1.00	-
Mode 1.	Pass	PK	13.57237G	58.66	88.20	-29.54	3	Horizontal	300	2.60	-

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.86904G	33.41	54.00	-20.59	5.29	3	Vertical	275	1.50	28.12	32.68	6.90	34.29				
AV	4.87838G	31.25	54.00	-22.75	5.33	3	Vertical	52	2.12	25.92	32.71	6.90	34.28				
AV	7.32321G	37.52	54.00	-16.48	10.54	3	Vertical	122	1.20	26.98	36.81	8.54	34.81				
AV	10.4772G	42.32	68.20	-25.88	14.54	3	Vertical	113	2.45	27.78	39.00	10.38	34.84				
AV	10.49528G	47.21	68.20	-20.99	14.56	3	Vertical	144	1.40	32.65	39.00	10.39	34.83				
AV	13.57062G	51.28	68.20	-16.92	18.86	3	Vertical	210	2.20	32.42	40.00	11.62	32.76				
PK	4.87688G	45.31	74.00	-28.69	5.33	3	Vertical	275	1.50	39.98	32.71	6.90	34.28				
PK	4.87867G	44.36	74.00	-29.64	5.33	3	Vertical	52	2.12	39.03	32.71	6.90	34.28				
PK	7.31857G	48.62	74.00	-25.38	10.57	3	Vertical	122	1.20	38.05	36.83	8.54	34.80				
PK	10.47296G	53.85	88.20	-34.35	14.53	3	Vertical	113	2.45	39.32	39.00	10.38	34.85				
PK	10.49623G	55.78	88.20	-32.42	14.56	3	Vertical	144	1.40	41.22	39.00	10.39	34.83				
PK	13.57125G	58.69	88.20	-29.51	18.86	3	Vertical	210	2.20	39.83	40.00	11.62	32.76				

Radiated Emissions above 1GHz_Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)				
AV	4.87848G	32.25	54.00	-21.75	5.33	3	Horizontal	132	1.32	26.92	32.71	6.90	34.28				
AV	4.88006G	33.45	54.00	-20.55	5.34	3	Horizontal	256	1.50	28.11	32.72	6.90	34.28				
AV	7.32342G	38.62	54.00	-15.38	10.54	3	Horizontal	210	2.20	28.08	36.81	8.54	34.81				
AV	10.47194G	42.44	68.20	-25.76	14.53	3	Horizontal	157	1.50	27.91	39.00	10.38	34.85				
AV	10.49953G	46.62	68.20	-21.58	14.56	3	Horizontal	150	1.00	32.06	39.00	10.39	34.83				
AV	13.57132G	54.42	68.20	-13.78	18.86	3	Horizontal	300	2.60	35.56	40.00	11.62	32.76				
PK	4.86724G	44.68	74.00	-29.32	5.28	3	Horizontal	256	1.50	39.40	32.67	6.90	34.29				
PK	4.87872G	45.32	74.00	-28.68	5.33	3	Horizontal	132	1.32	39.99	32.71	6.90	34.28				
PK	7.31979G	47.52	74.00	-26.48	10.56	3	Horizontal	210	2.20	36.96	36.82	8.54	34.80				
PK	10.47302G	54.50	88.20	-33.70	14.53	3	Horizontal	157	1.50	39.97	39.00	10.38	34.85				
PK	10.49762G	56.78	88.20	-31.42	14.56	3	Horizontal	150	1.00	42.22	39.00	10.39	34.83				
PK	13.57237G	58.66	88.20	-29.54	18.86	3	Horizontal	300	2.60	39.80	40.00	11.62	32.76				