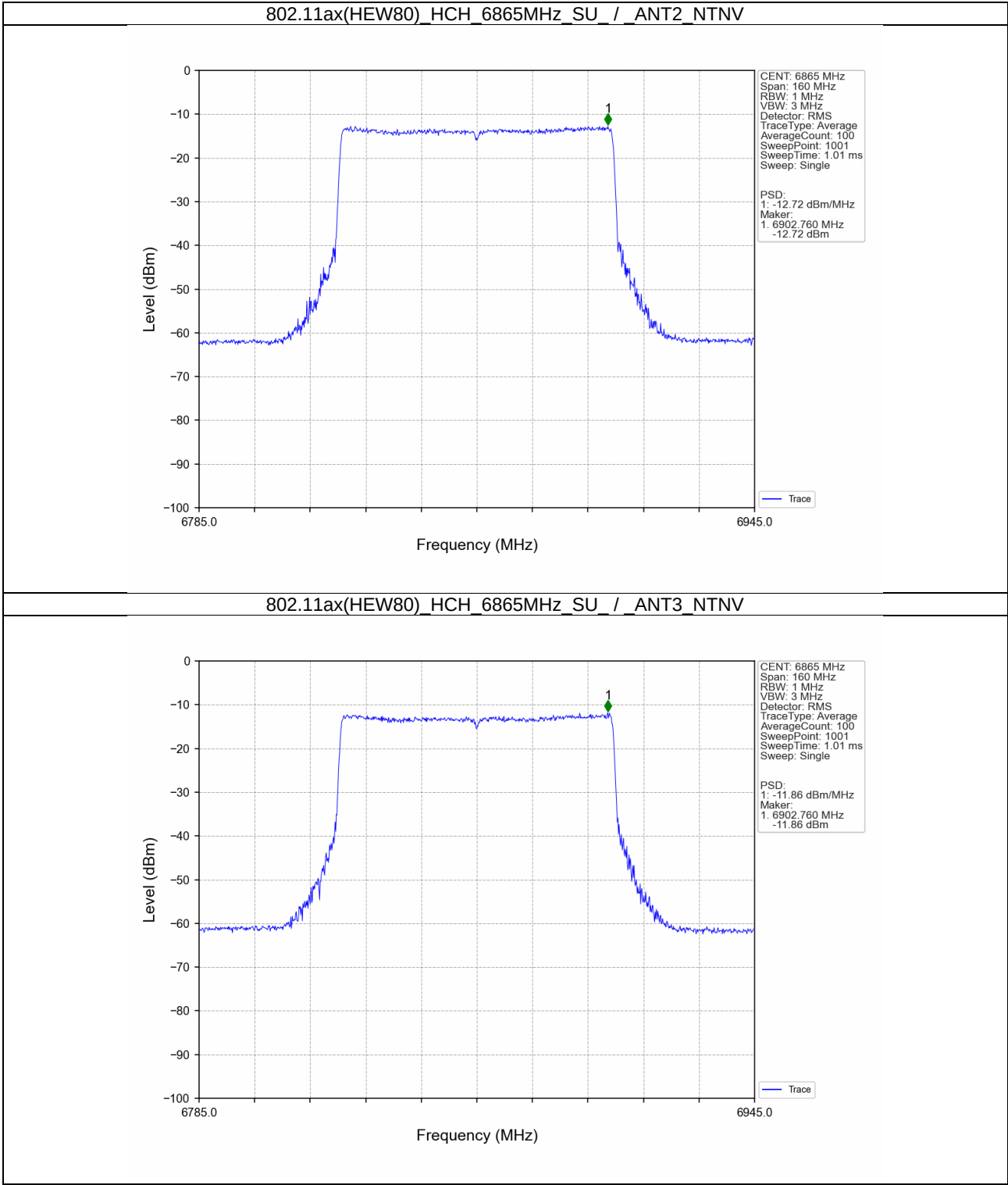




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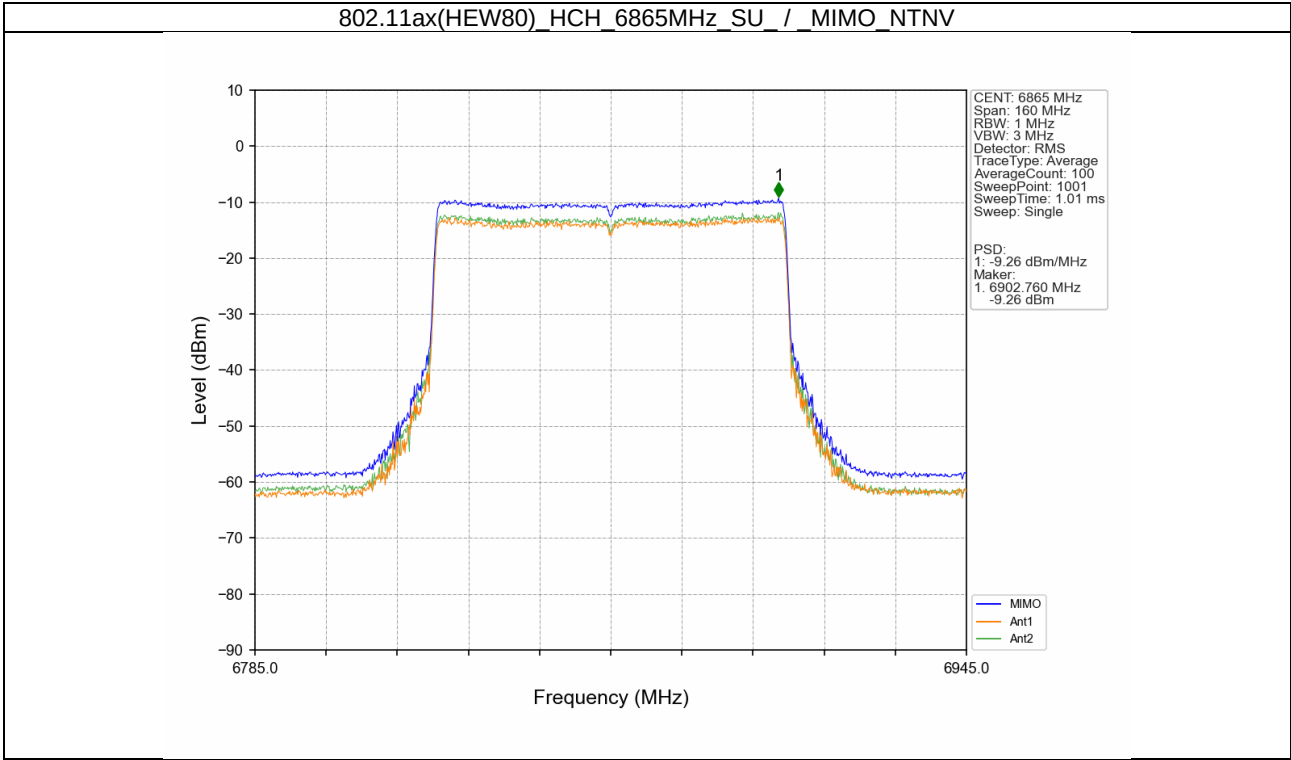
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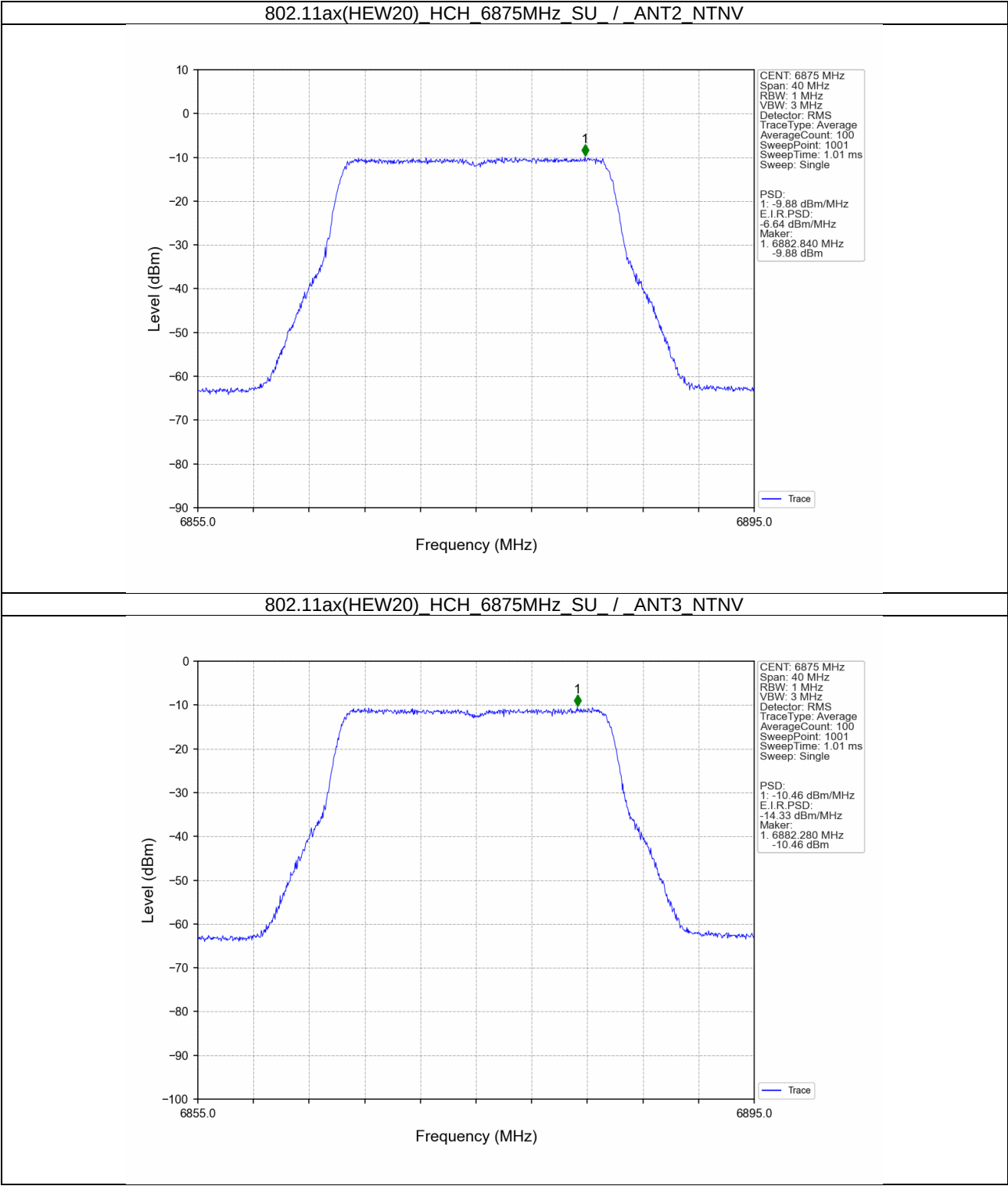




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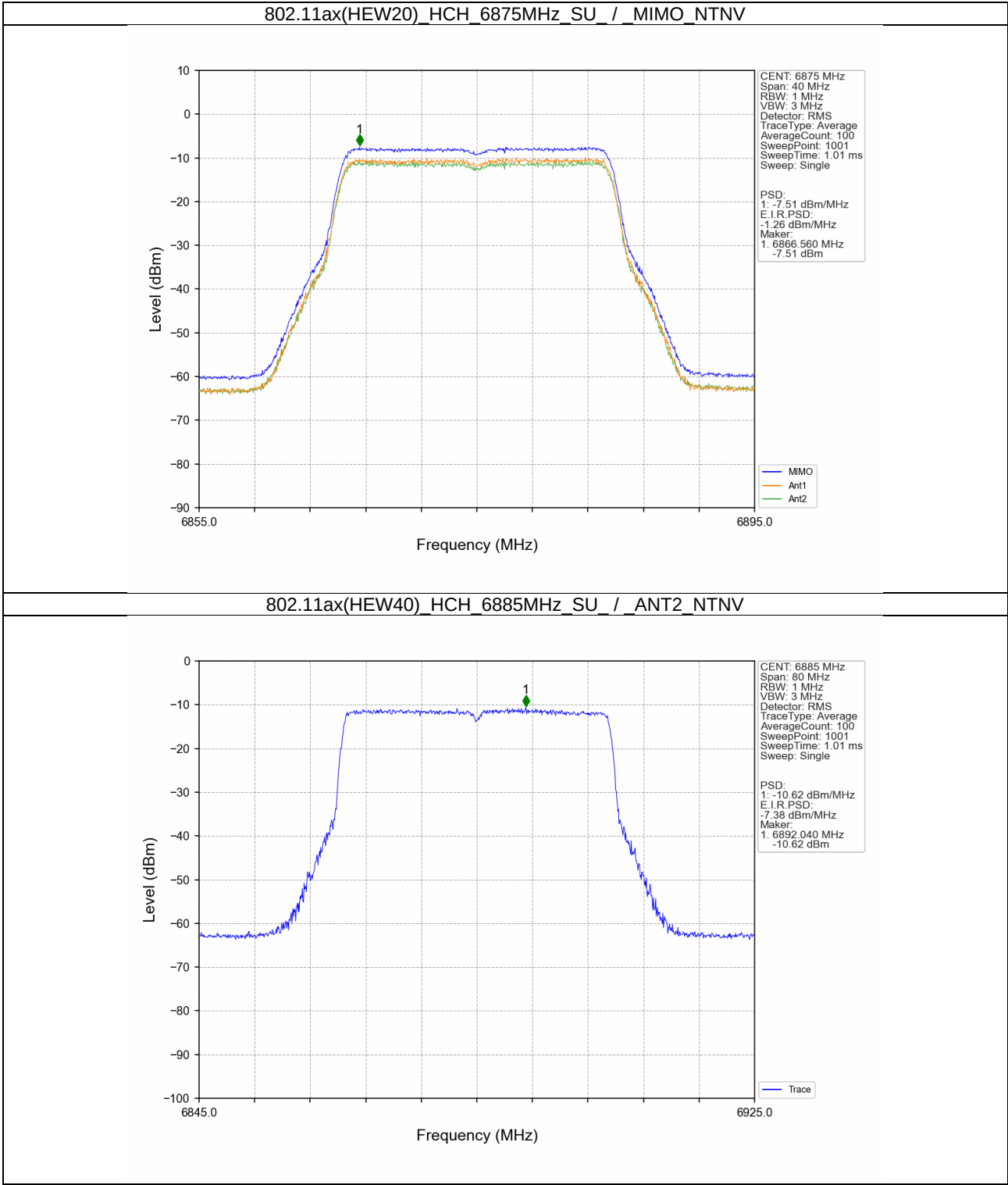
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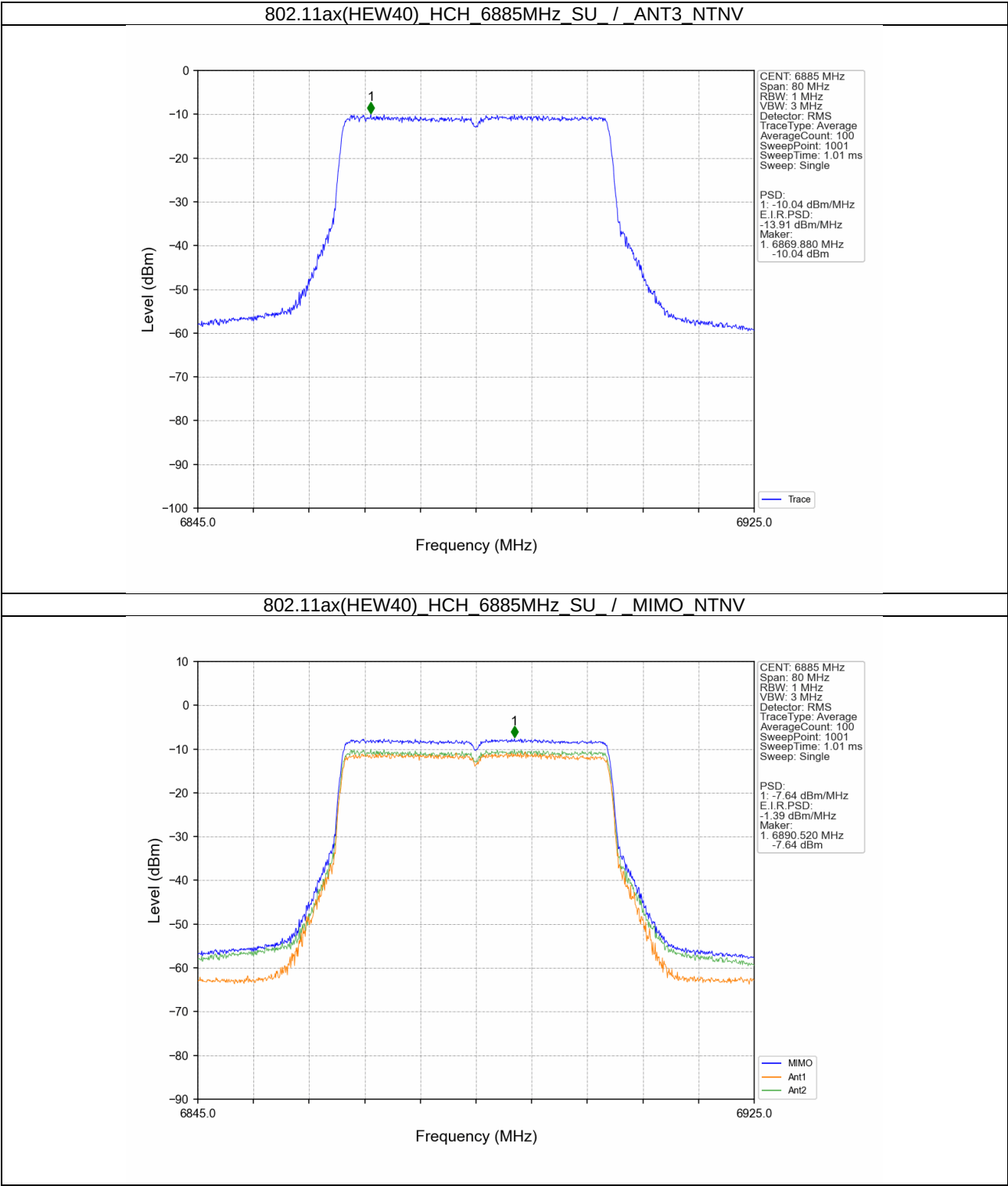
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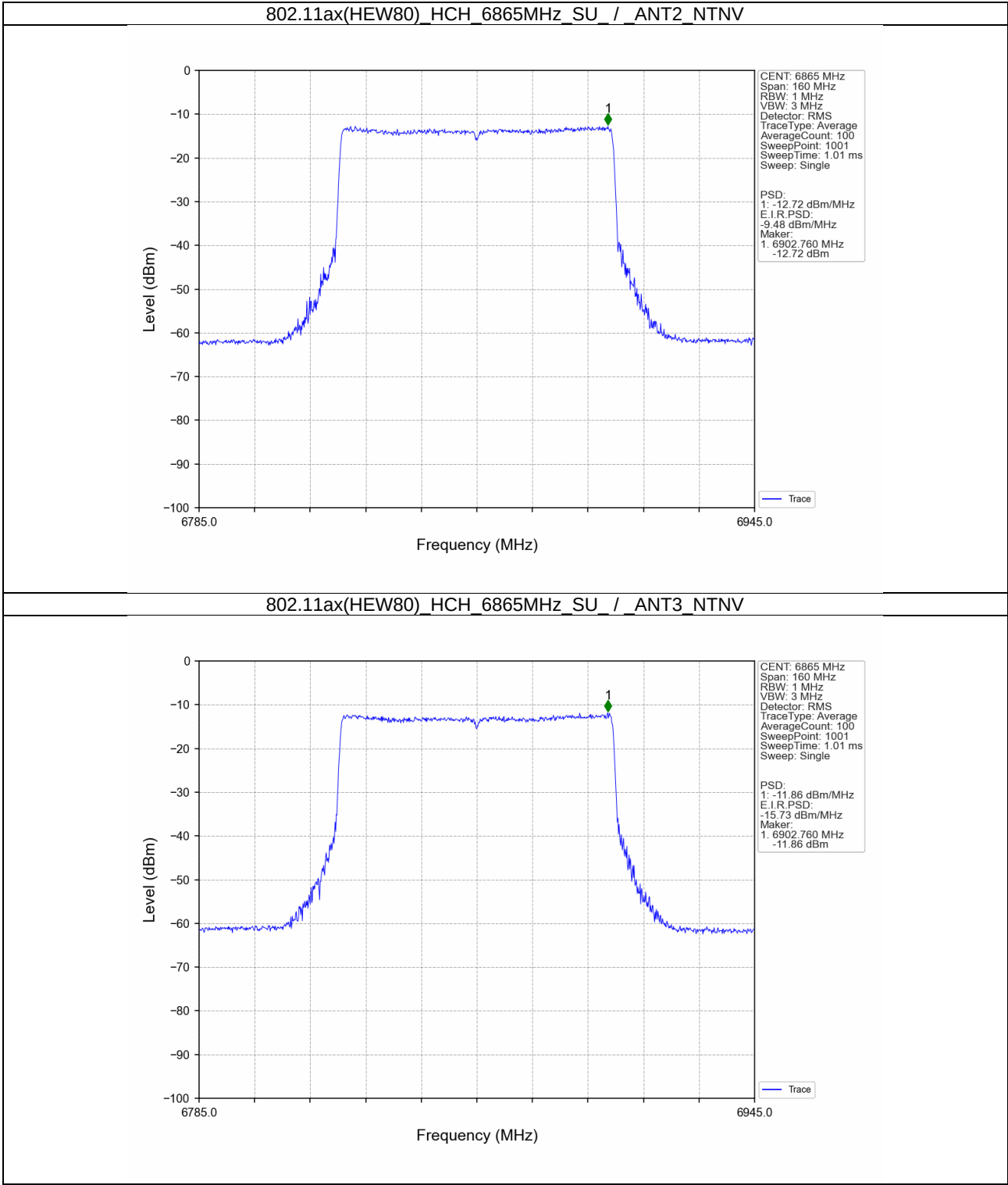
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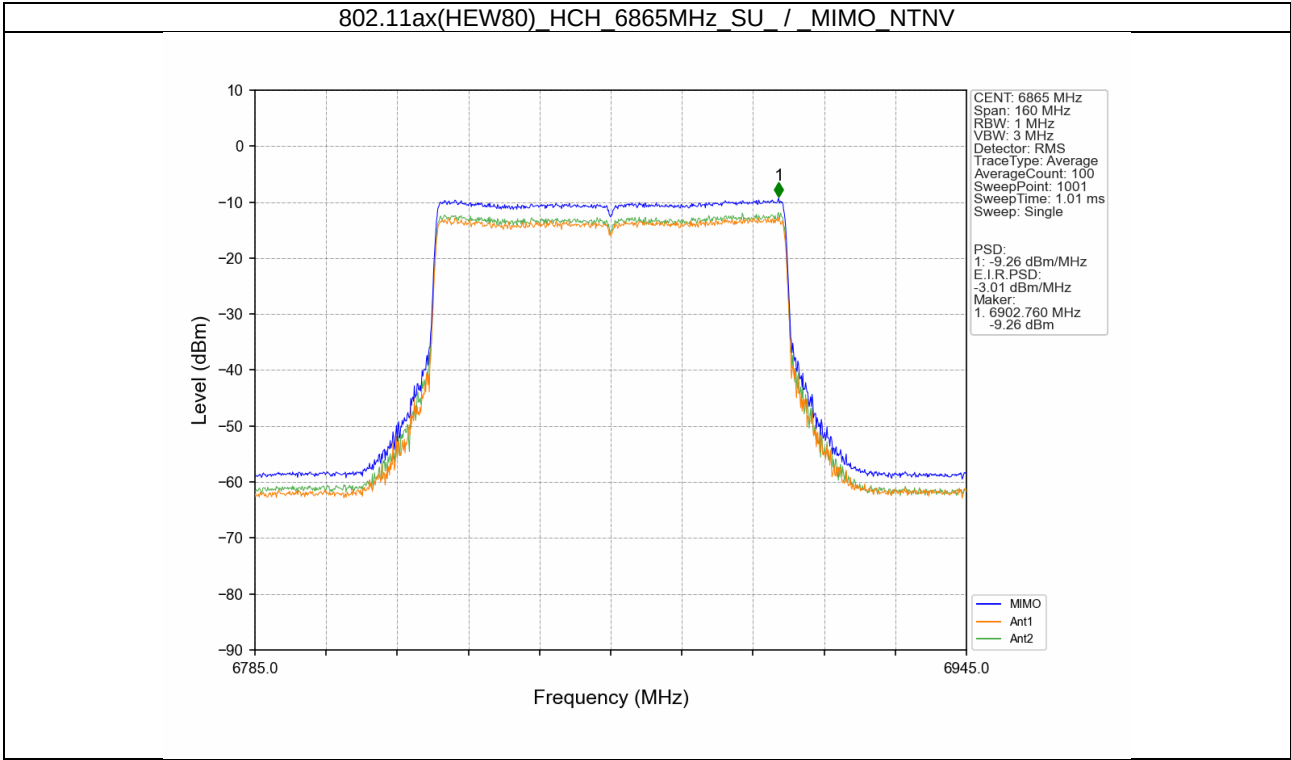
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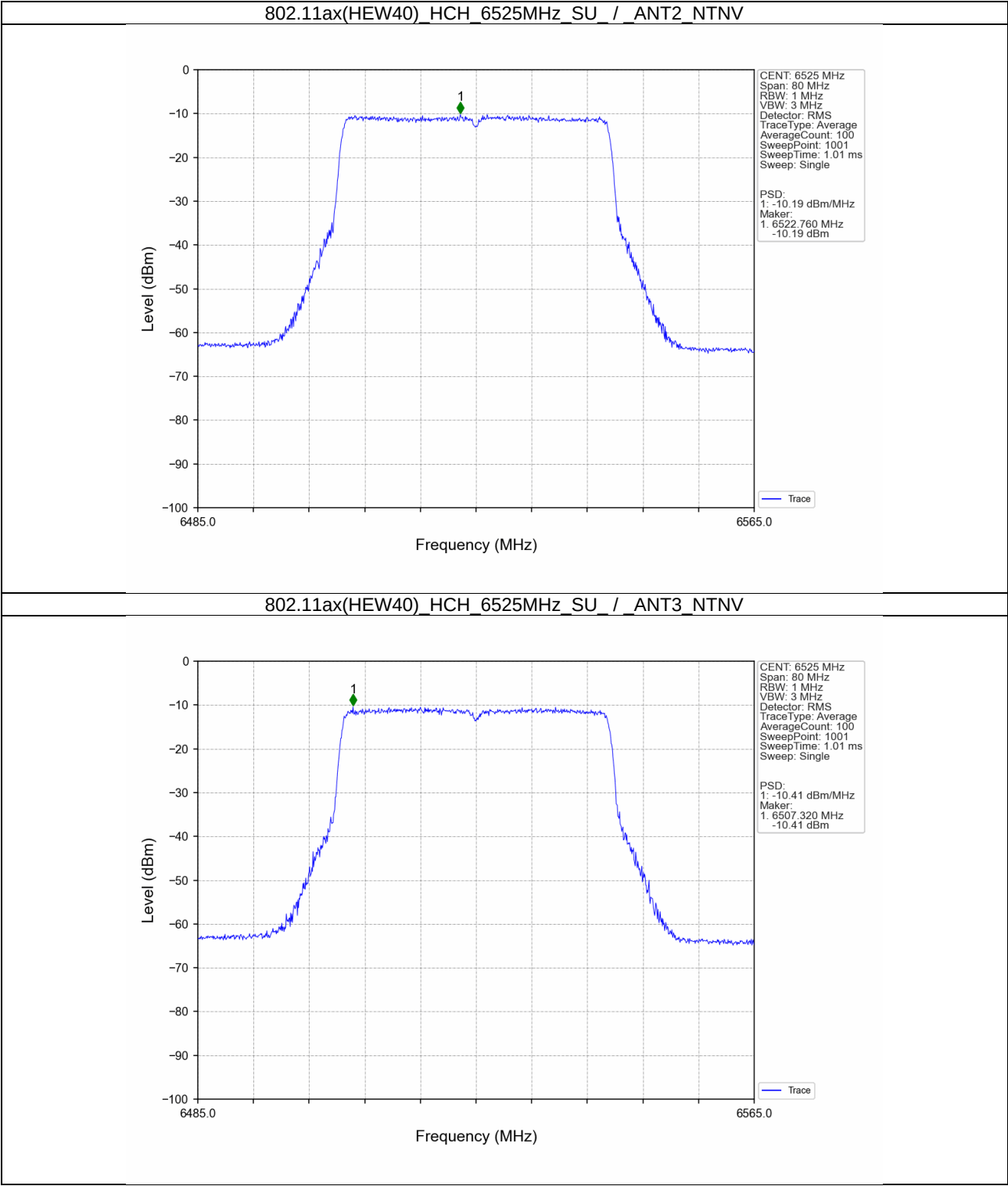




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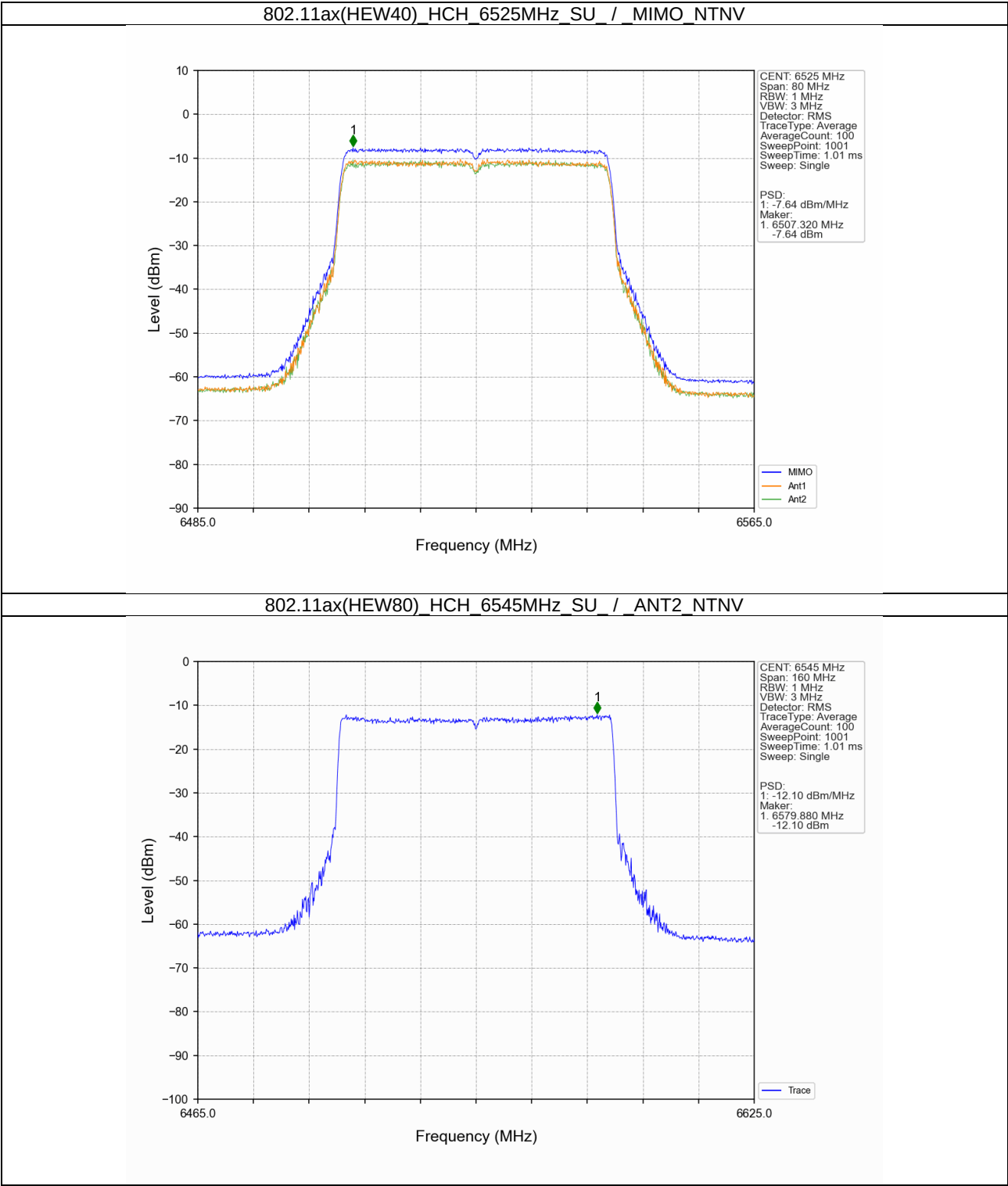
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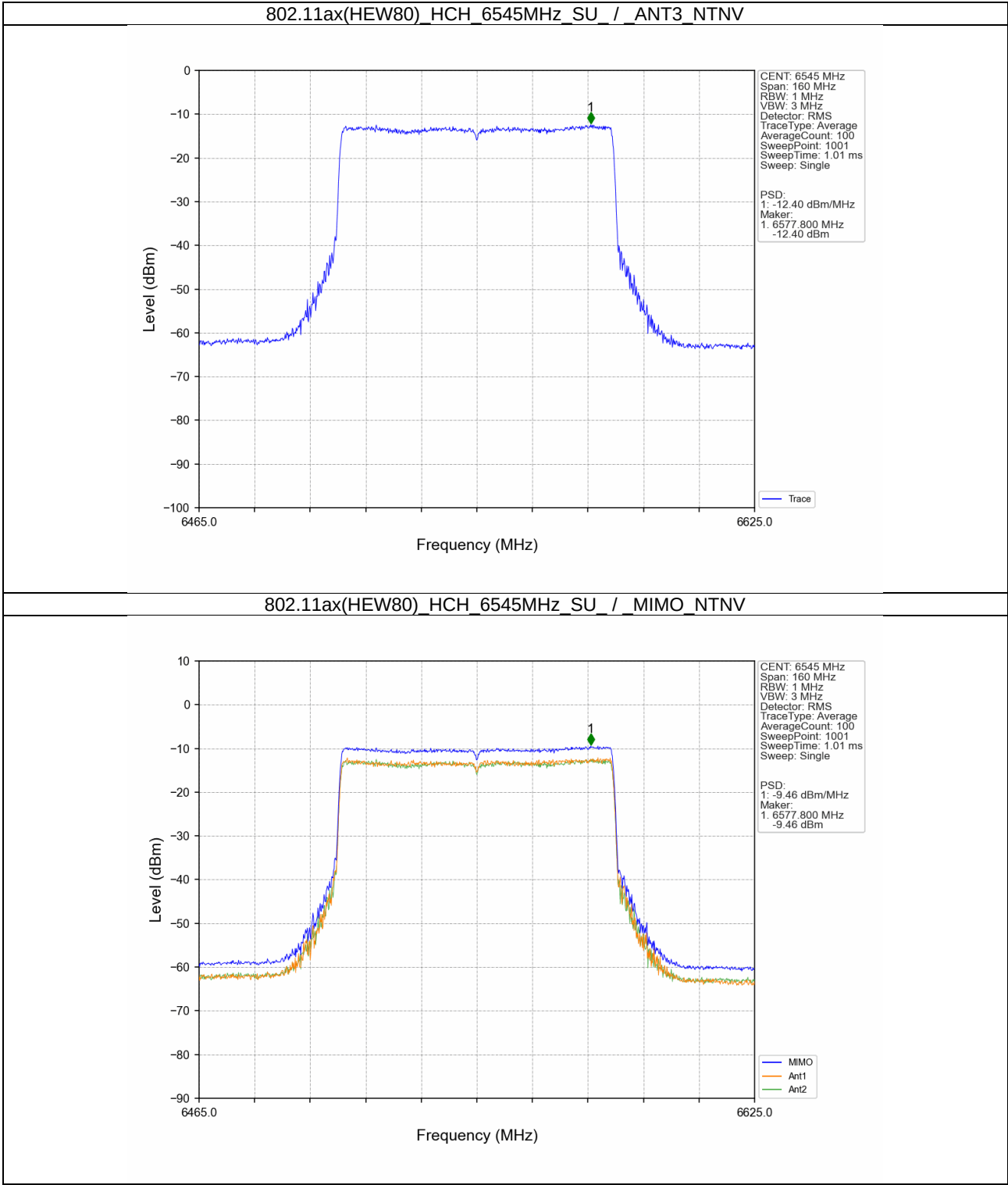
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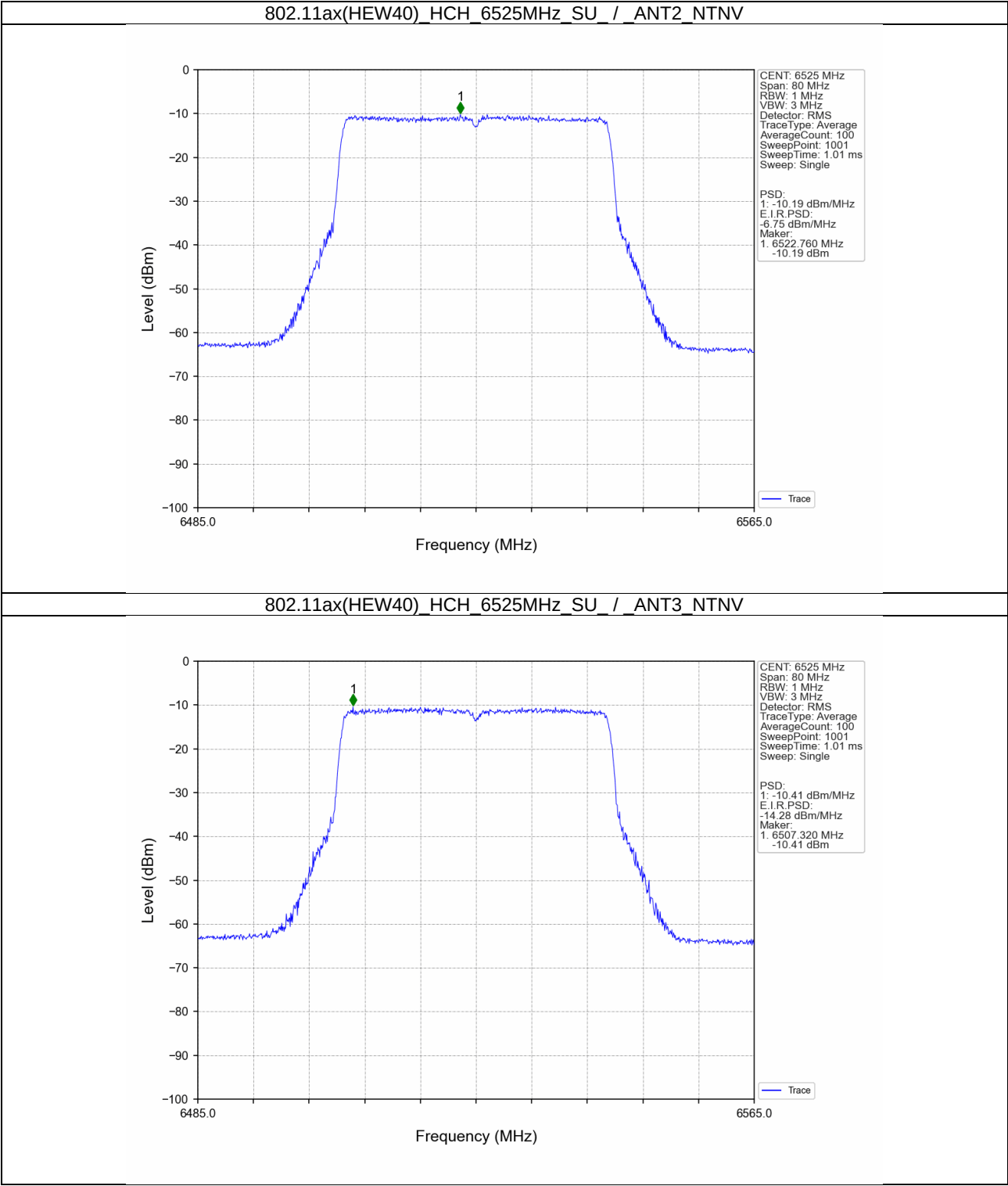




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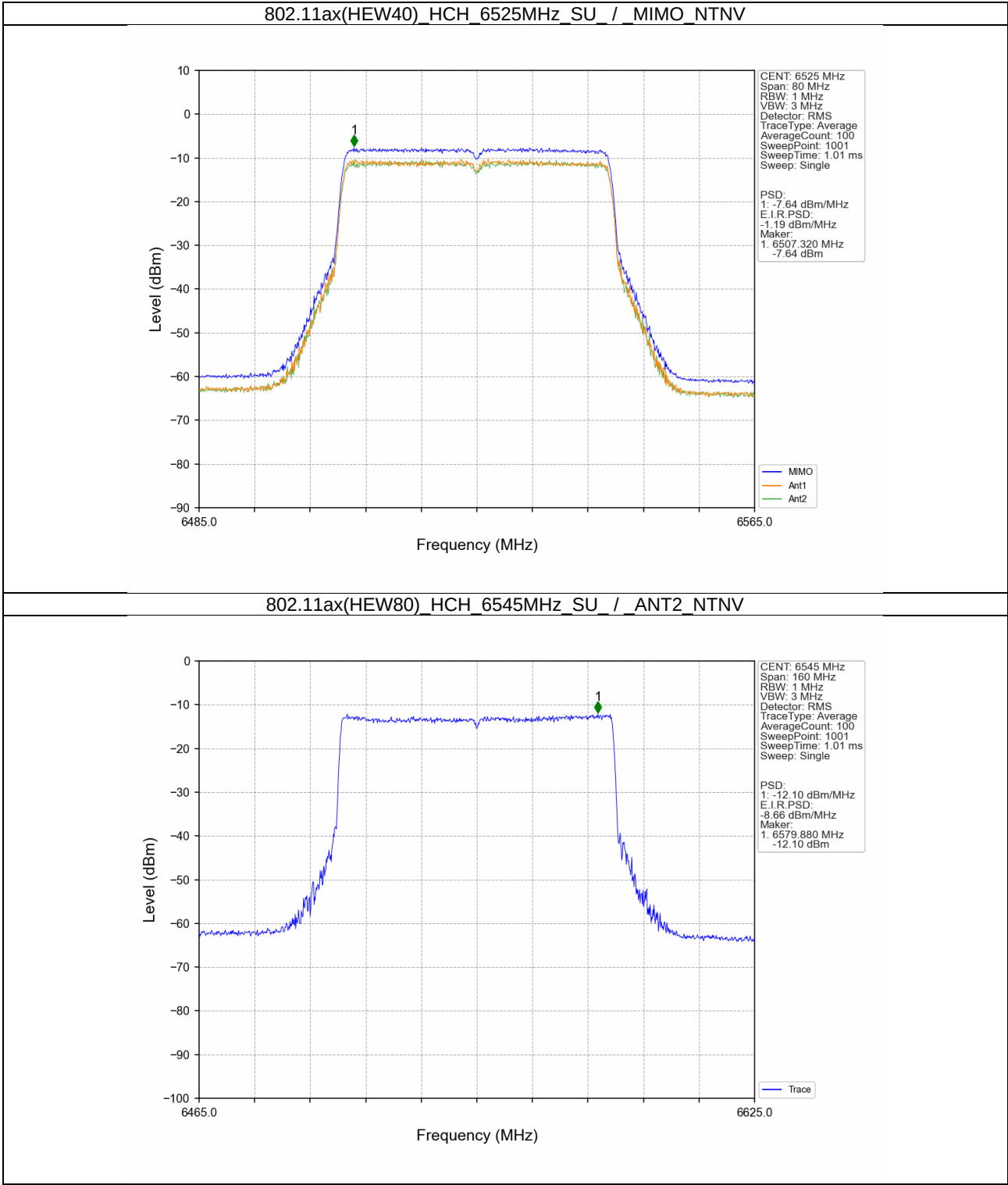
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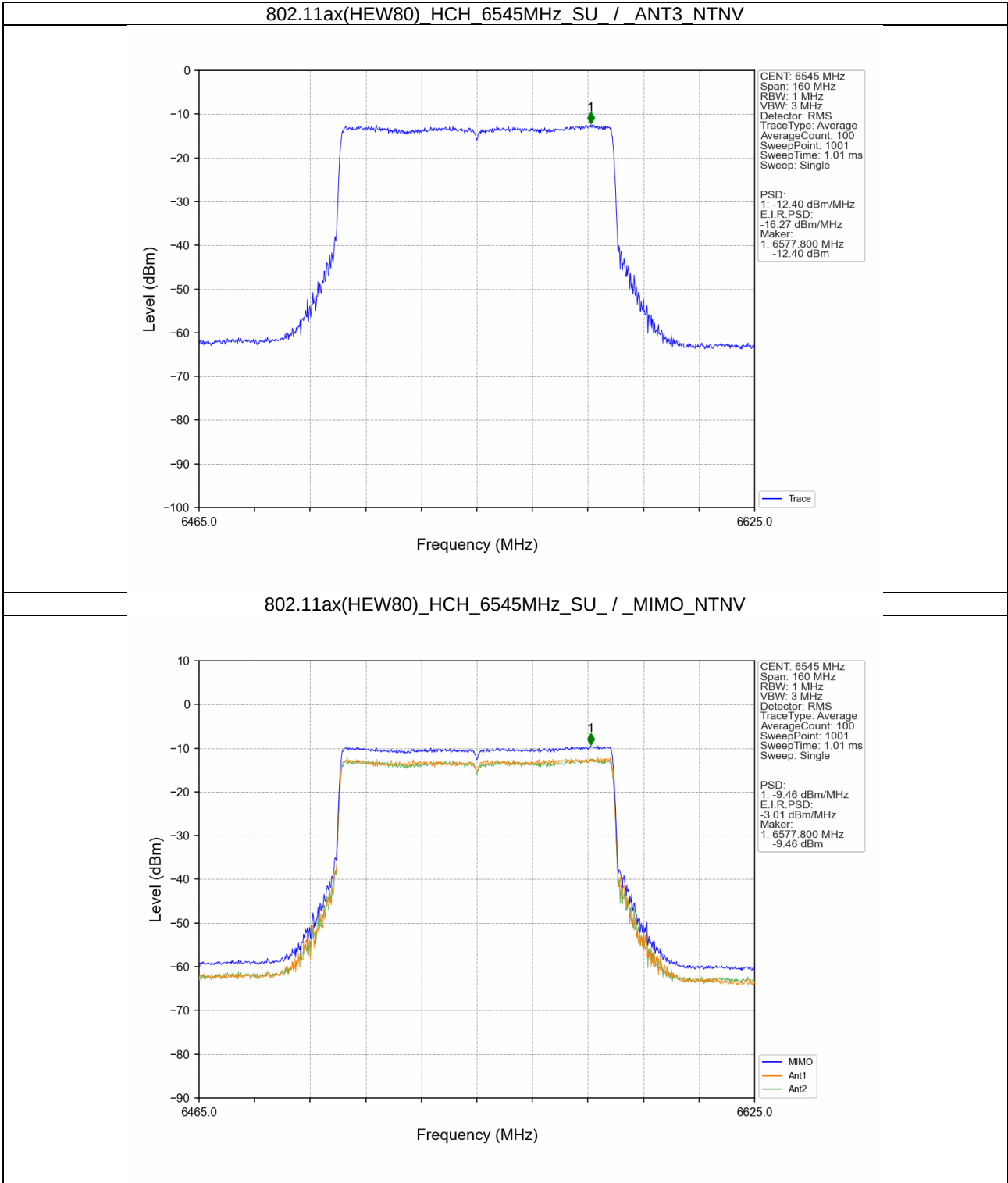
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Contention Based Protocol

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	-77.62	100	-62	-74.25	-3.37	12.25
				Result: Stop Transmission					
				-78.4	<90	-62	-75.03	-3.37	13.03
				Result: Minimal Operation					
				-79.1	0	-62	-75.73	-3.37	13.73
	6145	80	6110	Result: Normal Operation					
				-75.68	100	-62	-72.31	-3.37	10.31
				Result: Stop Transmission					
				-76.5	<90	-62	-73.13	-3.37	11.13
				Result: Minimal Operation					
			6145	-77.36	0	-62	-73.99	-3.37	11.99
				Result: Normal Operation					
				-76.66	100	-62	-73.29	-3.37	11.29
				Result: Stop Transmission					
				-77.47	<90	-62	-74.1	-3.37	12.1
				Result: Minimal Operation					
				-78.26	0	-62	-74.89	-3.37	12.89
			6180	Result: Normal Operation					
				-76.85	100	-62	-73.48	-3.37	11.48
				Result: Stop Transmission					
				-77.68	<90	-62	-74.31	-3.37	12.31
				Result: Minimal Operation					
				-78.41	0	-62	-75.04	-3.37	13.04
				Result: Normal Operation					

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

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



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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	-76.86	100	-62	-72.99	-3.87	10.99
					Result: Stop Transmission				
				-77.68	<90	-62	-73.81	-3.87	11.81
					Result: Minimal Operation				
				-78.45	0	-62	-74.58	-3.87	12.58
	6465	80	6430		Result: Normal Operation				
				-77.37	100	-62	-73.5	-3.87	11.5
					Result: Stop Transmission				
				-78.12	<90	-62	-74.25	-3.87	12.25
					Result: Minimal Operation				
			6465	-79.46	0	-62	-75.59	-3.87	13.59
					Result: Normal Operation				
				-76.04	100	-62	-72.17	-3.87	10.17
					Result: Stop Transmission				
				-77.66	<90	-62	-73.79	-3.87	11.79
					Result: Minimal Operation				
				-79.16	0	-62	-75.29	-3.87	13.29
					Result: Normal Operation				
			6500	-76.09	100	-62	-72.22	-3.87	10.22
					Result: Stop Transmission				
				-77.76	<90	-62	-73.89	-3.87	11.89
					Result: Minimal Operation				
				-79.24	0	-62	-75.37	-3.87	13.37
					Result: Normal Operation				

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

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



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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	-77.21	100	-62	-73.34	-3.87	11.34
						Result: Stop Transmission			
				-77.96	<90	-62	-74.09	-3.87	12.09
						Result: Minimal Operation			
				-78.68	0	-62	-74.81	-3.87	12.81
	6705	80	6670			Result: Normal Operation			
				-74.03	100	-62	-70.16	-3.87	8.16
						Result: Stop Transmission			
				-75.78	<90	-62	-71.91	-3.87	9.91
						Result: Minimal Operation			
			6705	-78.22	0	-62	-74.35	-3.87	12.35
						Result: Normal Operation			
				-75.71	100	-62	-71.84	-3.87	9.84
						Result: Stop Transmission			
				-76.61	<90	-62	-72.74	-3.87	10.74
						Result: Minimal Operation			
				-78.15	0	-62	-74.28	-3.87	12.28
						Result: Normal Operation			
			6740	-75.94	100	-62	-72.07	-3.87	10.07
						Result: Stop Transmission			
				-76.75	<90	-62	-72.88	-3.87	10.88
						Result: Minimal Operation			
				-78.29	0	-62	-74.42	-3.87	12.42
						Result: Normal Operation			

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

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



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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	-77.19	100	-62	-71.65	-5.54	9.65
				Result: Stop Transmission					
				-77.98	<90	-62	-72.44	-5.54	10.44
				Result: Minimal Operation					
				-78.74	0	-62	-73.2	-5.54	11.2
	7025	80	6990	Result: Normal Operation					
				-74.84	100	-62	-69.3	-5.54	7.3
				Result: Stop Transmission					
				-75.65	<90	-62	-70.11	-5.54	8.11
				Result: Minimal Operation					
			7025	-78.13	0	-62	-72.59	-5.54	10.59
				Result: Normal Operation					
				-74.28	100	-62	-68.74	-5.54	6.74
				Result: Stop Transmission					
				-75.15	<90	-62	-69.61	-5.54	7.61
				Result: Minimal Operation					
			7060	-76.87	0	-62	-71.33	-5.54	9.33
				Result: Normal Operation					
				-74.76	100	-62	-69.22	-5.54	7.22
				Result: Stop Transmission					
				-75.79	<90	-62	-70.25	-5.54	8.25
				Result: Minimal Operation					
				-78.08	0	-62	-72.54	-5.54	10.54
				Result: Normal Operation					

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

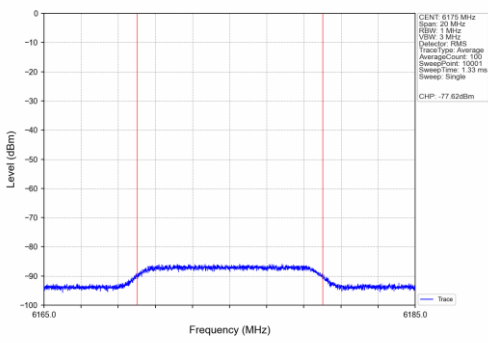
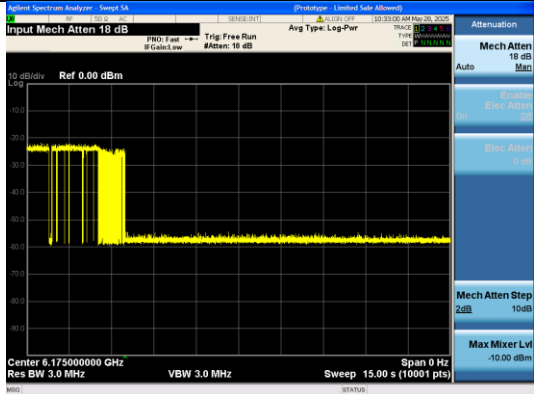
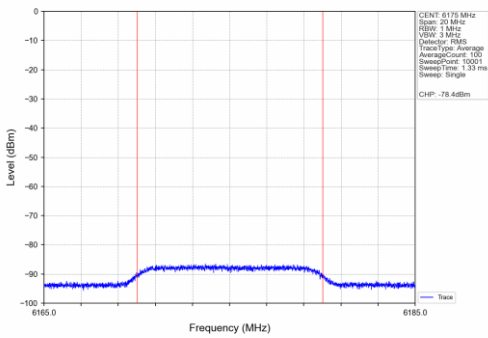
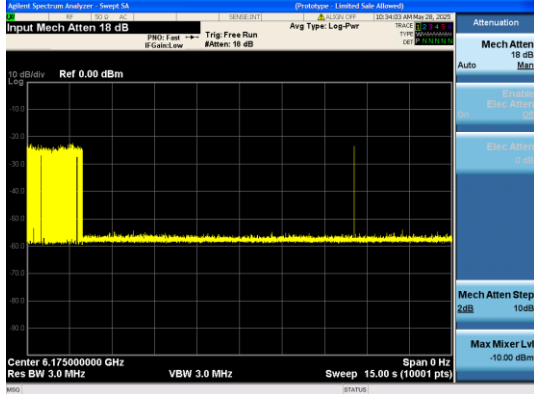
Note2: Margin (dB)= Regulated Threshold level (dBm) — Adjusted Power (dBm)



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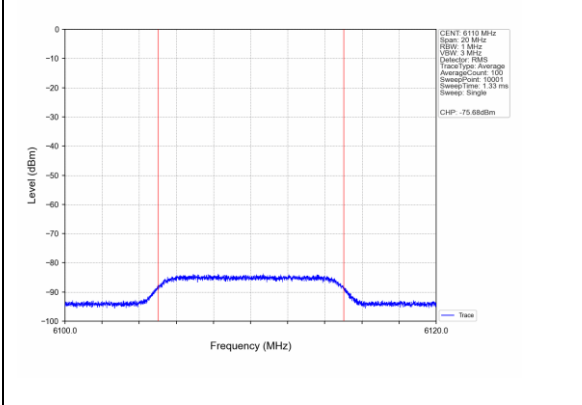
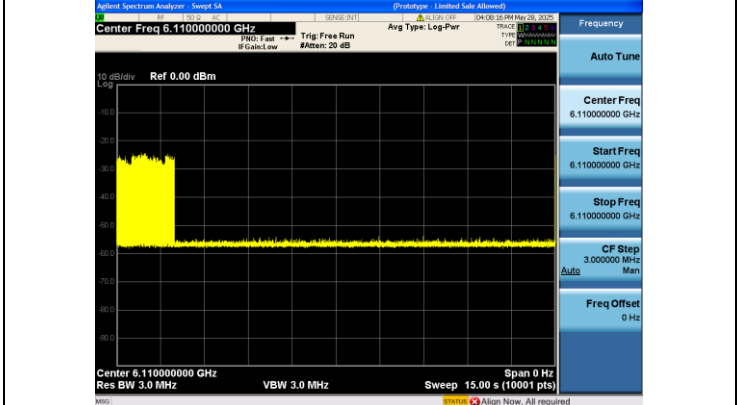
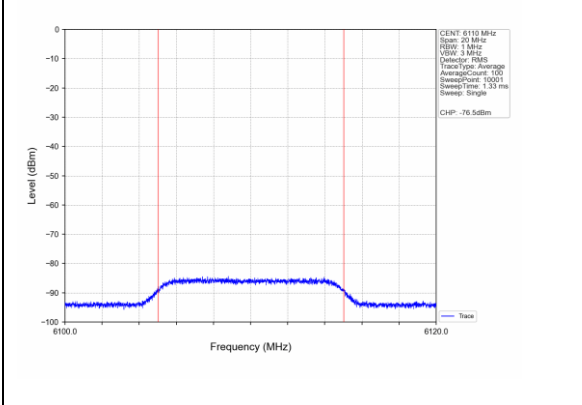
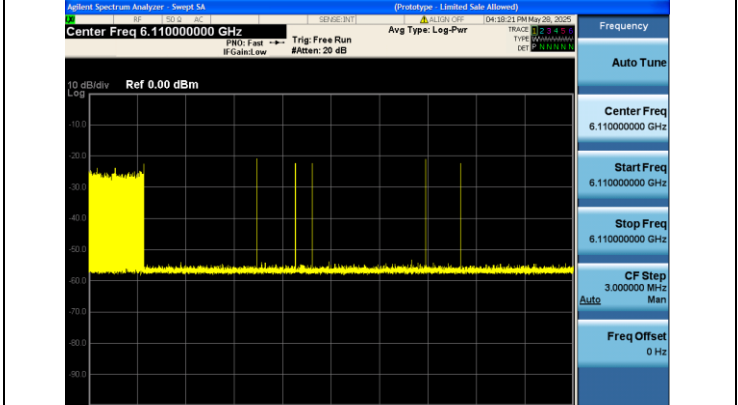
Test Graphs

Contention Based Protocol Result on U-NII 5 (AWGN Interference)	
802.11 ax (HE20) /6175MHz Threshold Level (TL)	802.11 ax (HE20) /6175MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE20) /6175MHz Threshold Level (TL)	802.11 ax (HE20) /6175MHz Transmission when the interferer is Minimal Operation
	



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Contention Based Protocol Result on U-NII 5 (AWGN Interference)	
802.11 ax (HE80) /6110MHz Threshold Level (TL)	802.11 ax (HE80) /6110MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE80) /6110MHz Threshold Level (TL)	802.11 ax (HE80) /6110MHz Transmission when the interferer is Minimal Operation
	



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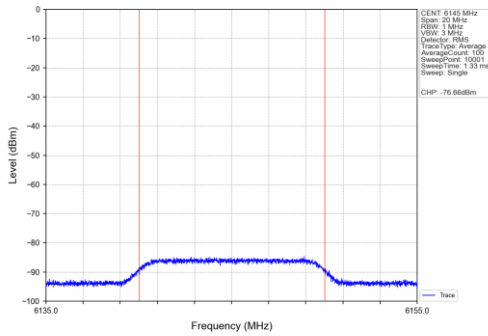
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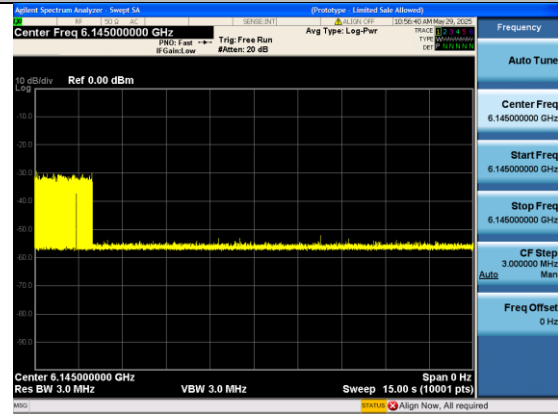
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Contention Based Protocol Result on U-NII 5 (AWGN Interference)

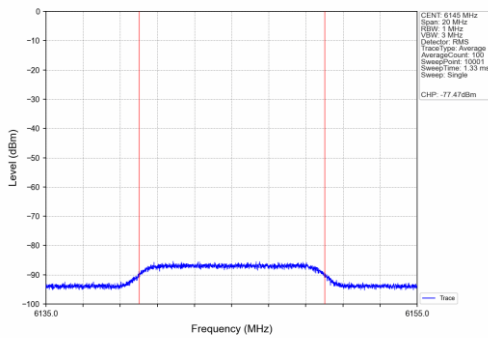
802.11 ax (HE80) /6145MHz
Threshold Level (TL)



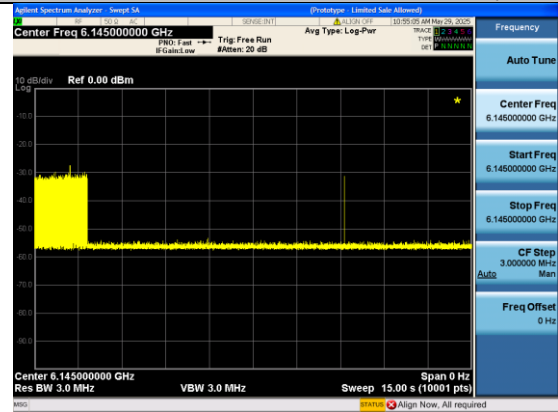
802.11 ax (HE80) /6145MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6145MHz
Threshold Level (TL)



802.11 ax (HE80) /6145MHz
Transmission when the interferer is Minimal Operation





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Contention Based Protocol Result on U-NII 5 (AWGN Interference)	
802.11 ax (HE80) /6180MHz Threshold Level (TL)	802.11 ax (HE80) /6180MHz Test Result is pass due to no transmission occur.
802.11 ax (HE80) /6180MHz Threshold Level (TL)	802.11 ax (HE80) /6180MHz Transmission when the interferer is Minimal Operation



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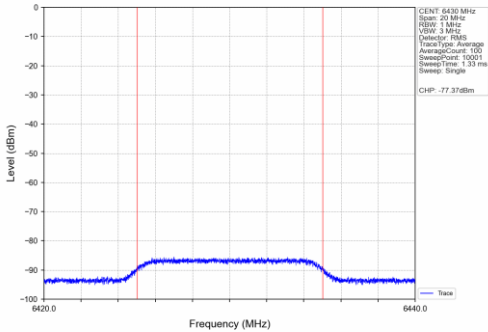
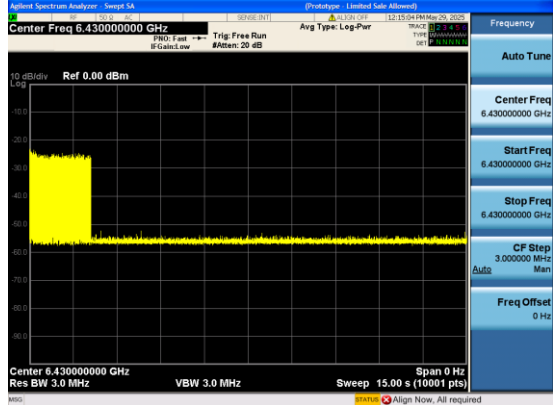
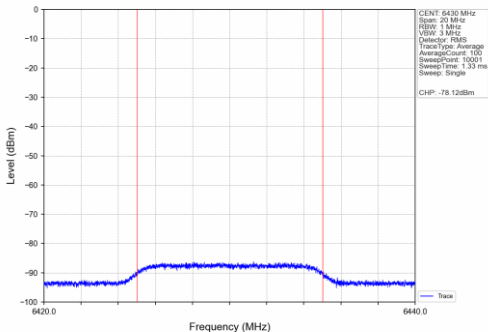
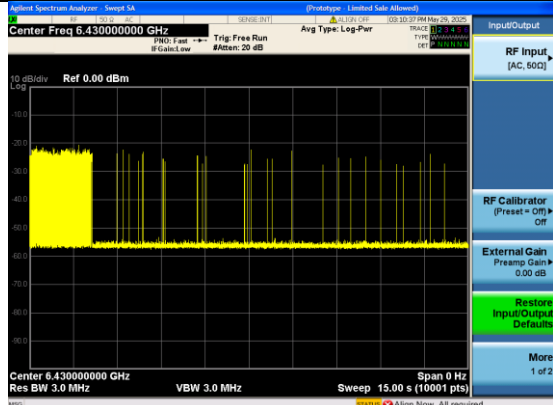
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Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 ax (HE20) /6475MHz Threshold Level (TL)	802.11 ax (HE20) 6475MHz Test Result is pass due to no transmission occur.
802.11 ax (HE20) /6475MHz Threshold Level (TL)	802.11 ax (HE20)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



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Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 ax (HE80) /6430MHz Threshold Level (TL)	802.11 ax (HE80) /6430MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE80) /6430MHz Threshold Level (TL)	802.11 ax (HE80) /6430MHz Transmission when the interferer is Minimal Operation
	



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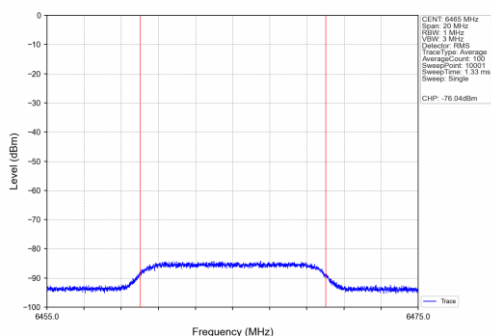
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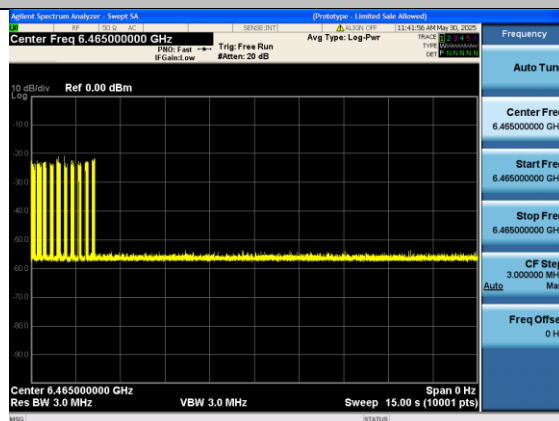
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Contention Based Protocol Result on U-NII 6 (AWGN Interference)

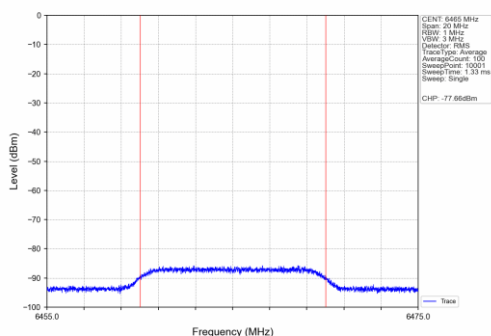
802.11 ax (HE80) /6465MHz
Threshold Level (TL)



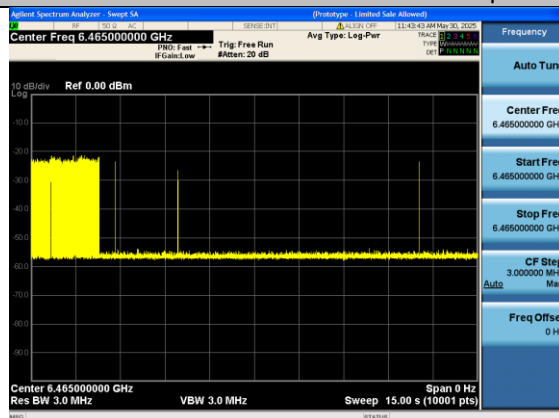
802.11 ax (HE80) /6465MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE80) /6465MHz
Threshold Level (TL)



802.11 ax (HE80) /6465MHz
Transmission when the interferer is Minimal Operation





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Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 ax (HE80) /6500MHz Threshold Level (TL)	802.11 ax (HE80) /6500MHz Test Result is pass due to no transmission occur.
802.11 ax (HE80) /6500MHz Threshold Level (TL)	802.11 ax (HE80) /6500MHz Transmission when the interferer is Minimal Operation



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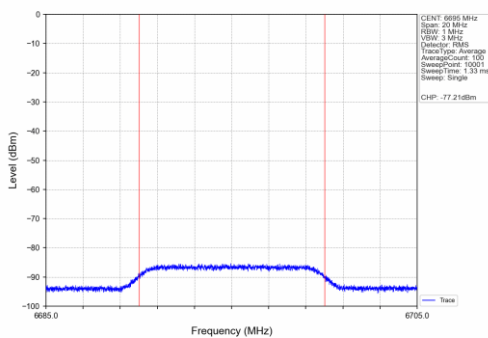
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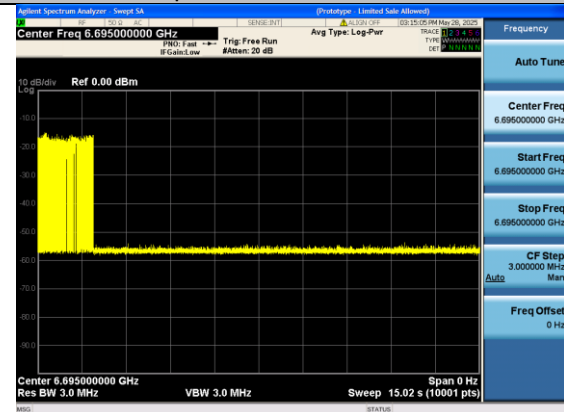
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Contention Based Protocol Result on U-NII 7 (AWGN Interference)

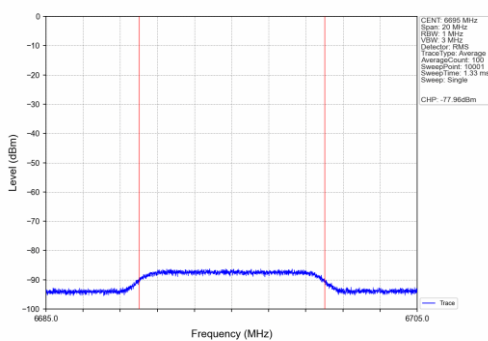
802.11 ax (HE20) /6695MHz
Threshold Level (TL)



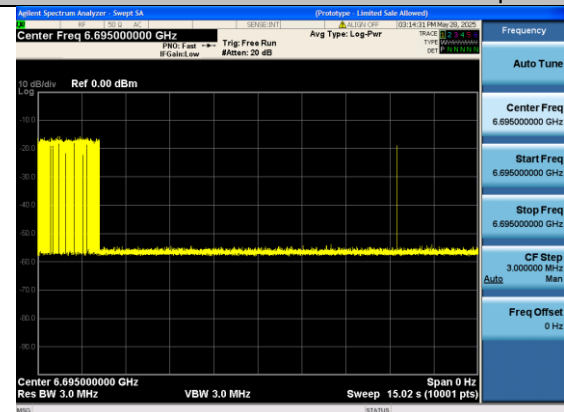
802.11 ax (HE20) /6695MHz
Test Result is pass due to no transmission occur.



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



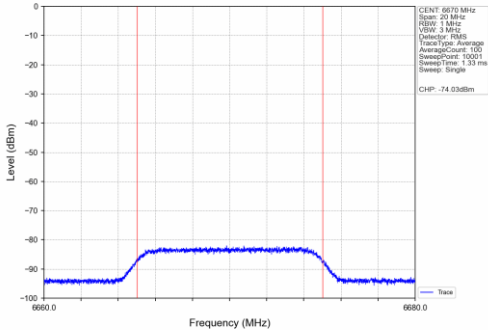
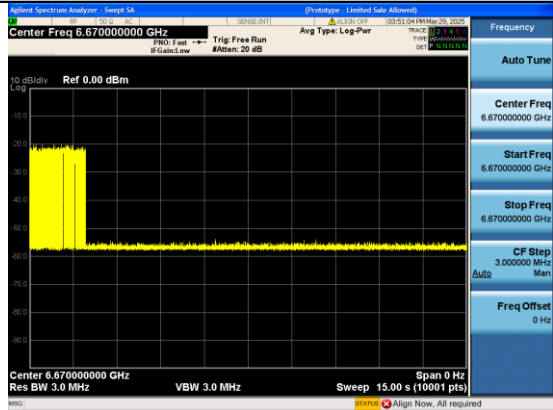
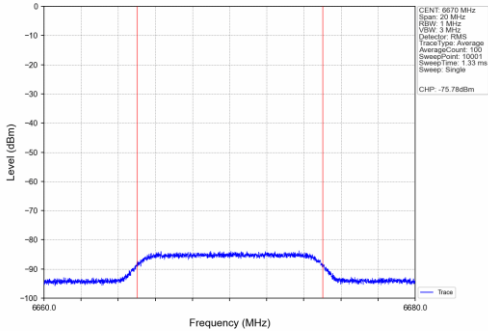
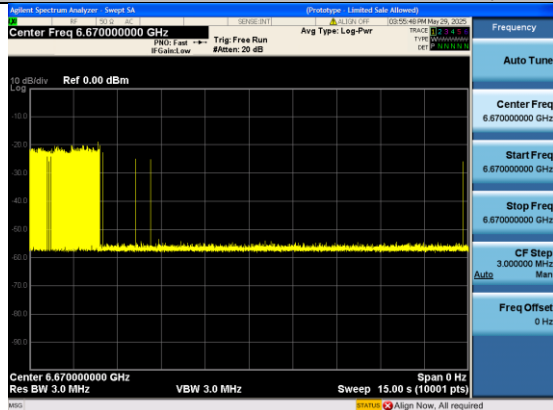
802.11 ax (HE20) /6695MHz
Transmission when the interferer is Minimal Operation





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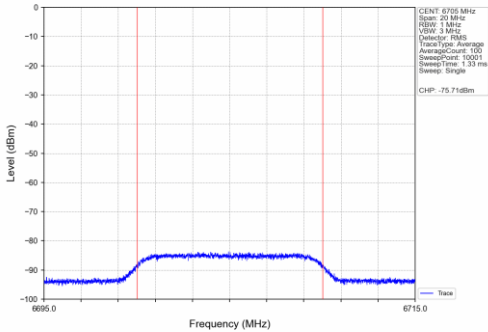
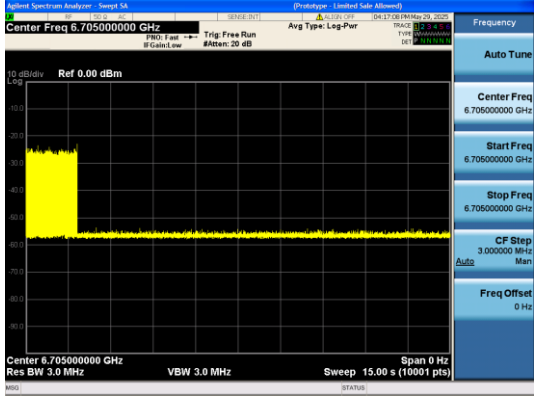
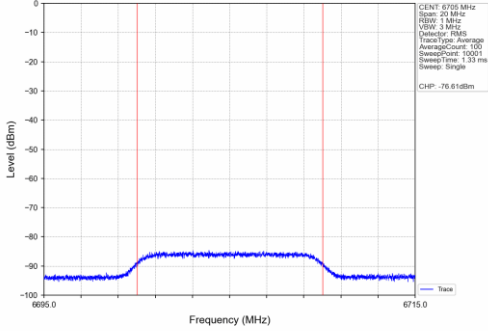
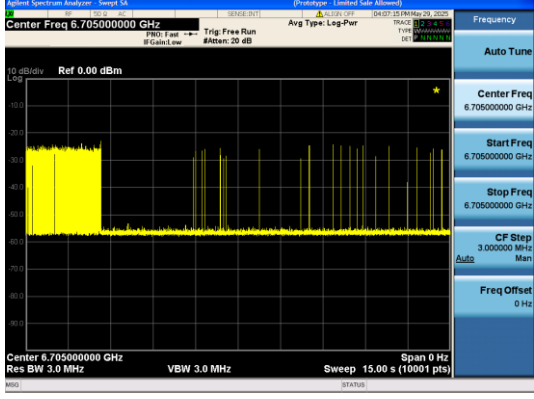
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Contention Based Protocol Result on U-NII 7 (AWGN Interference)	
802.11 ax (HE80) /6670MHz Threshold Level (TL)	802.11 ax (HE80) /6670MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE80) /6670MHz Threshold Level (TL)	802.11 ax (HE80) /6670MHz Transmission when the interferer is Minimal Operation
	



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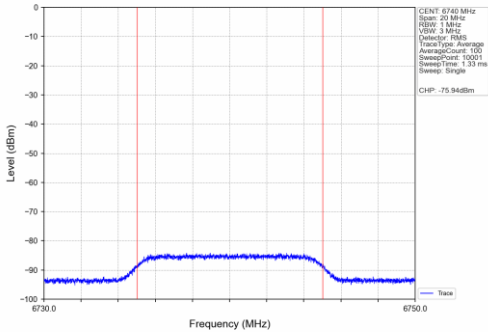
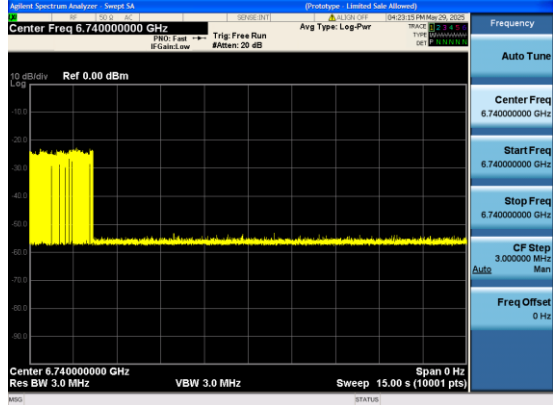
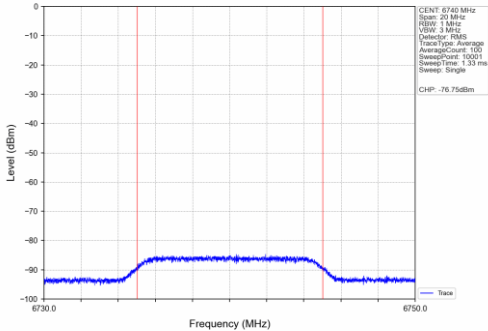
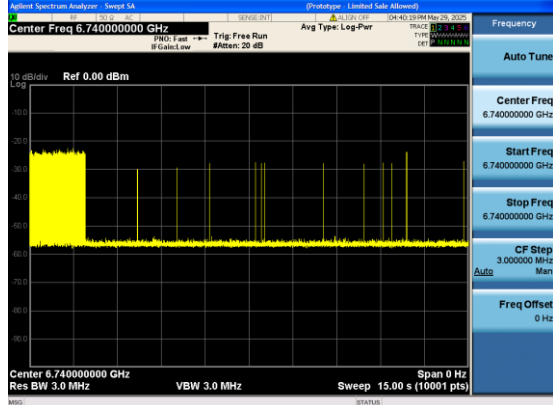
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Contention Based Protocol Result on U-NII 7 (AWGN Interference)	
802.11 ax (HE80) /6705MHz Threshold Level (TL)	802.11 ax (HE80) /6705MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE80) /6705MHz Threshold Level (TL)	802.11 ax (HE80) /6705MHz Transmission when the interferer is Minimal Operation
	



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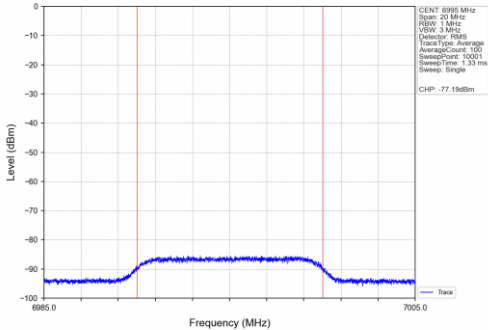
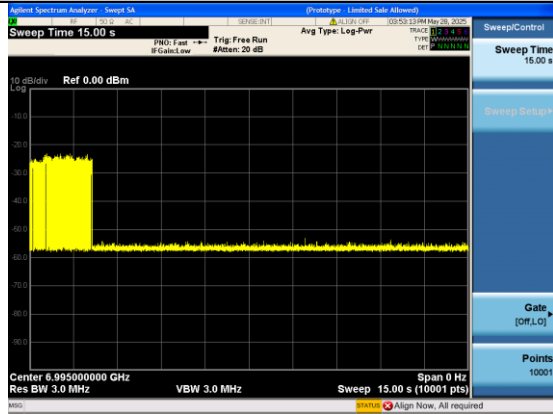
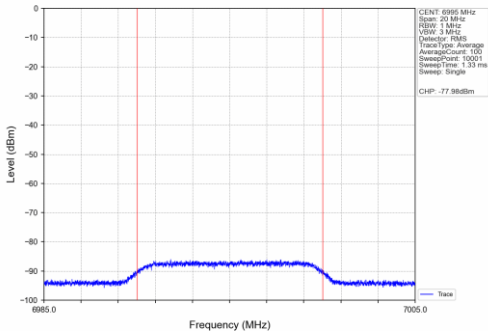
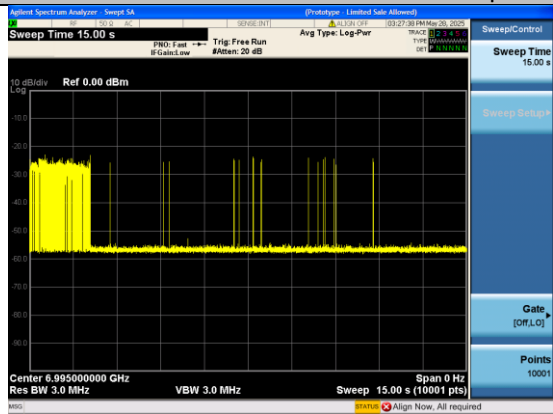
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Contention Based Protocol Result on U-NII 7 (AWGN Interference)	
802.11 ax (HE80) /6740MHz Threshold Level (TL)	802.11 ax (HE80) /6740MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE80) /6740MHz Threshold Level (TL)	802.11 ax (HE80) /6740MHz Transmission when the interferer is Minimal Operation
	



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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
	



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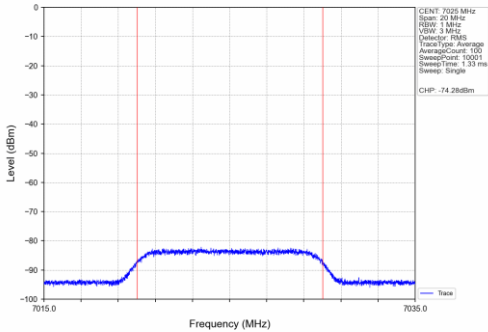
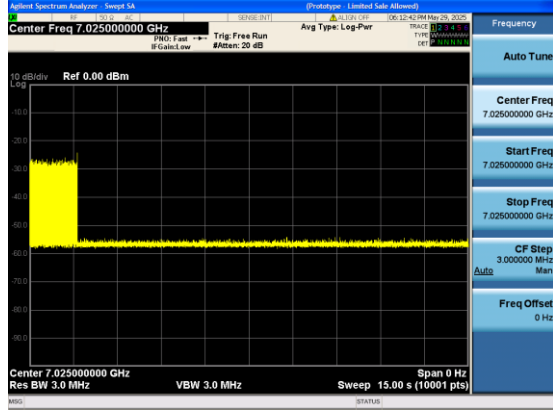
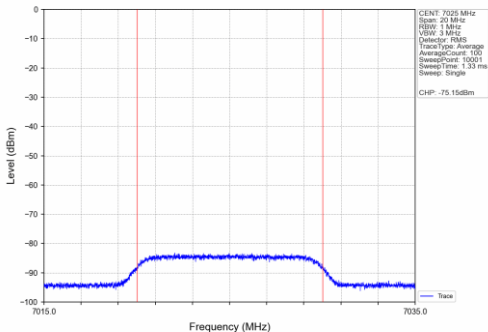
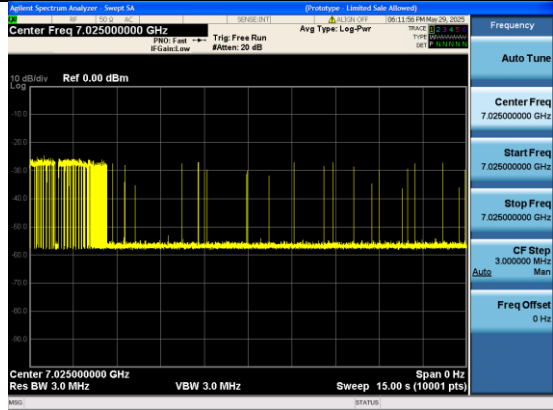
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Contention Based Protocol Result on U-NII 8 (AWGN Interference)	
802.11 ax (HE80) /6990MHz Threshold Level (TL)	802.11 ax (HE80) /6990MHz Test Result is pass due to no transmission occur.
802.11 ax (HE80) /6990MHz Threshold Level (TL)	802.11 ax (HE80) /6990MHz Transmission when the interferer is Minimal Operation



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Contention Based Protocol Result on U-NII 8 (AWGN Interference)	
802.11 ax (HE80) /7025MHz Threshold Level (TL)	802.11 ax (HE80) /7025MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE80) /7025MHz Threshold Level (TL)	802.11 ax (HE80) /7025MHz Transmission when the interferer is Minimal Operation
	



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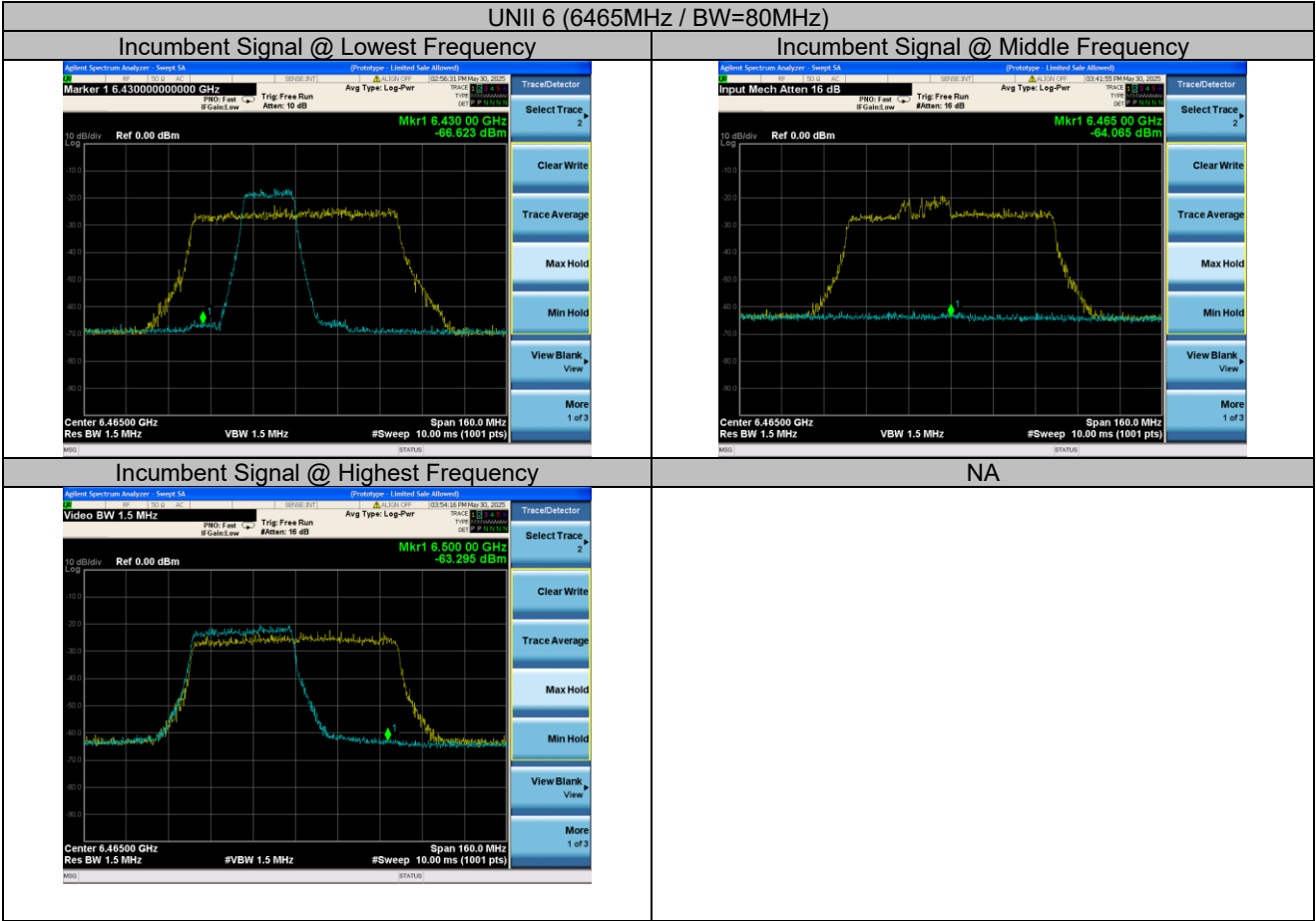
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Contention Based Protocol Result on U-NII 8 (AWGN Interference)	
802.11 ax (HE80) /7060MHz Threshold Level (TL)	802.11 ax (HE80) /7060MHz Test Result is pass due to no transmission occur.
802.11 ax (HE80) /7060MHz Threshold Level (TL)	802.11 ax (HE80) /7060MHz Transmission when the interferer is Minimal Operation



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Note: The device does not support channel puncturing for CBP mode, the CBP mode empty channel reduction mechanism to protect incumbent operations.



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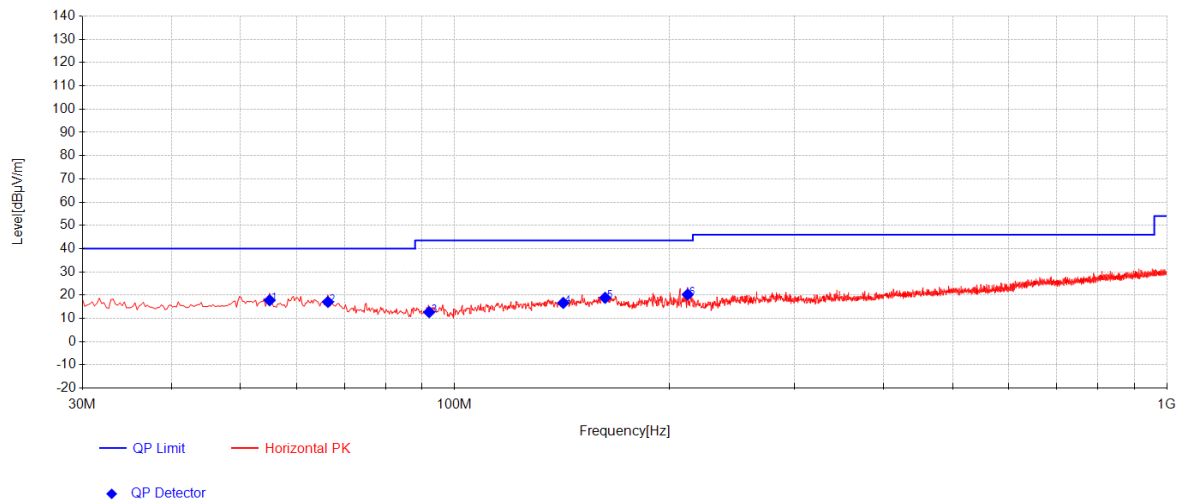
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode:

802.11ax40_Channel 227



Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	54.9775	33.21	18.20	-33.62	17.78	40.00	22.22	152	19	Horizontal
2	66.375	33.30	17.23	-33.47	17.06	40.00	22.94	196	19	Horizontal
3	92.08	31.29	14.61	-33.23	12.67	43.50	30.83	284	286	Horizontal
4	142.035	30.80	18.60	-32.75	16.65	43.50	26.85	163	79	Horizontal
5	162.6475	32.44	18.91	-32.52	18.83	43.50	24.67	199	96	Horizontal
6	212.36	36.94	15.49	-32.16	20.27	43.50	23.23	218	270	Horizontal

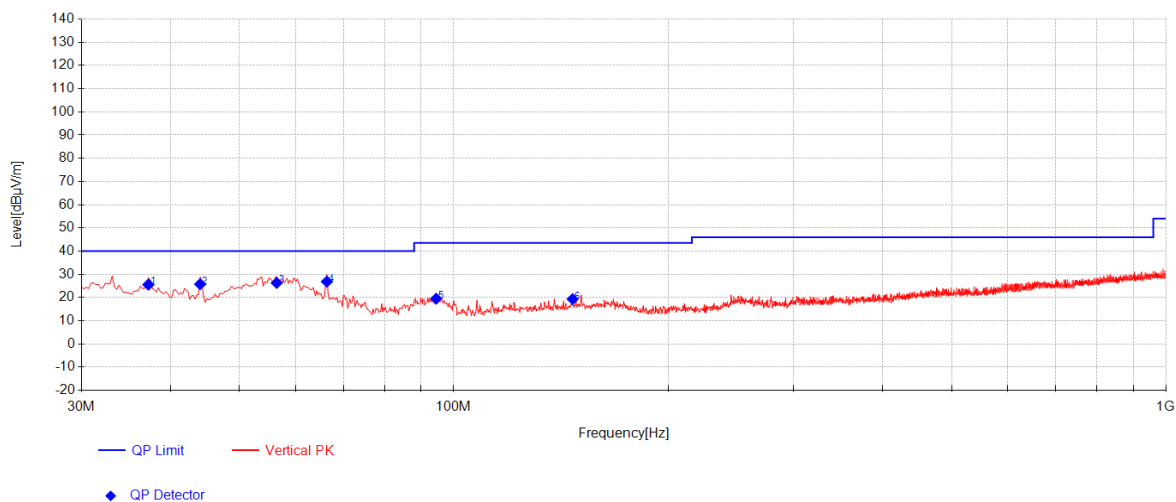


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Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.275	40.94	18.53	-33.91	25.56	40.00	14.44	195	233	Vertical
2	44.065	40.75	18.81	-33.79	25.77	40.00	14.23	263	0	Vertical
3	56.4325	41.75	18.16	-33.60	26.30	40.00	13.70	187	5	Vertical
4	66.375	43.11	17.23	-33.47	26.87	40.00	13.13	224	187	Vertical
5	94.505	38.42	14.30	-33.20	19.52	43.50	23.98	199	5	Vertical
6	146.885	32.95	19.10	-32.71	19.34	43.50	24.16	234	255	Vertical

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Value = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Value(dBμV/m)
- 2) All channels have been tested, but only the worst case data displayed in this report.



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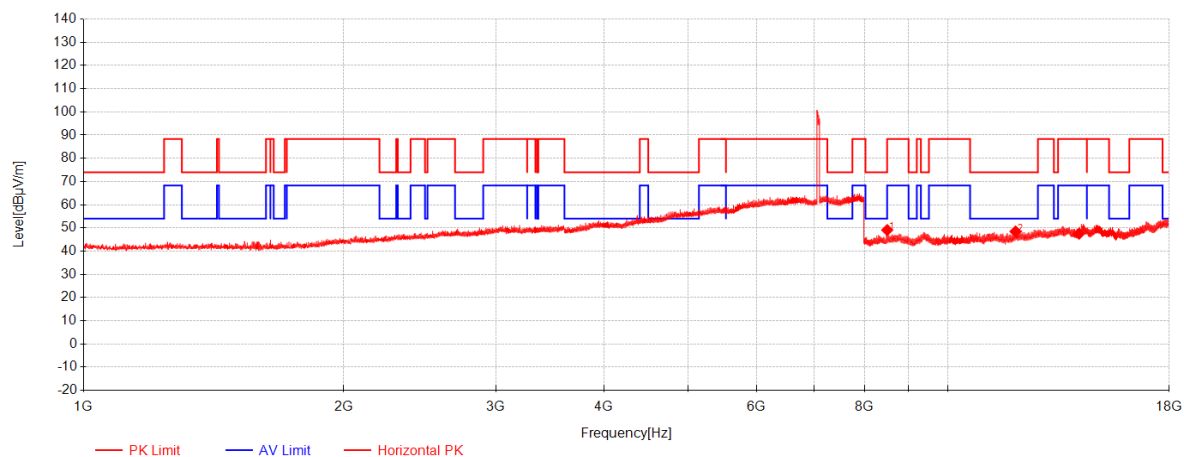
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Transmitter emission Above 1GHz

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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8502	46.78	37.35	-35.03	49.10	88.30	39.20	Horizontal
2	11965.666	39.21	38.40	-29.13	48.48	74.00	25.52	Horizontal
3	14170	36.35	40.27	-29.11	47.50	88.30	40.80	Horizontal



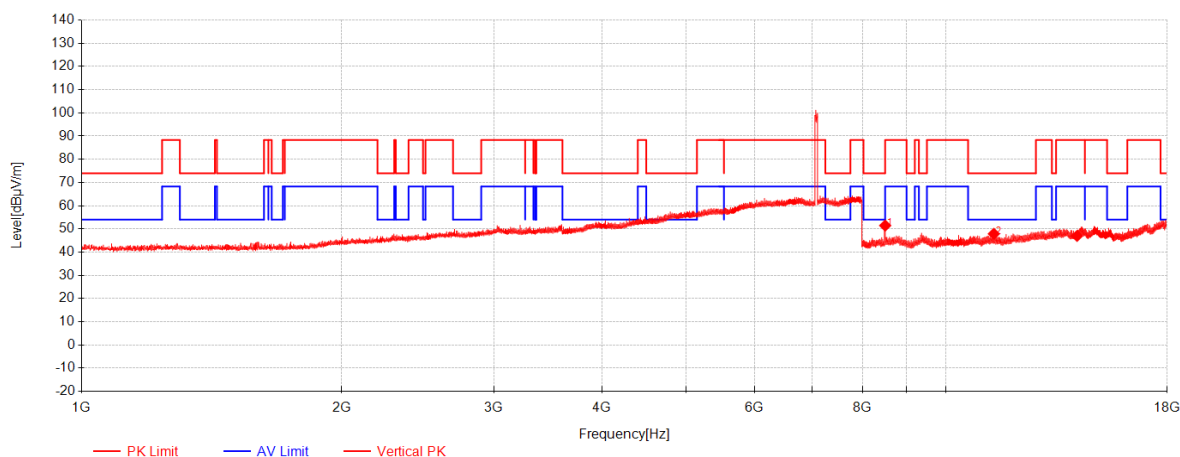
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8502	49.13	37.35	-35.03	51.45	88.30	36.85	Vertical
2	11354	39.12	38.40	-29.64	47.88	74.00	26.12	Vertical
3	14170	35.83	40.27	-29.11	46.98	88.30	41.32	Vertical

Remark:

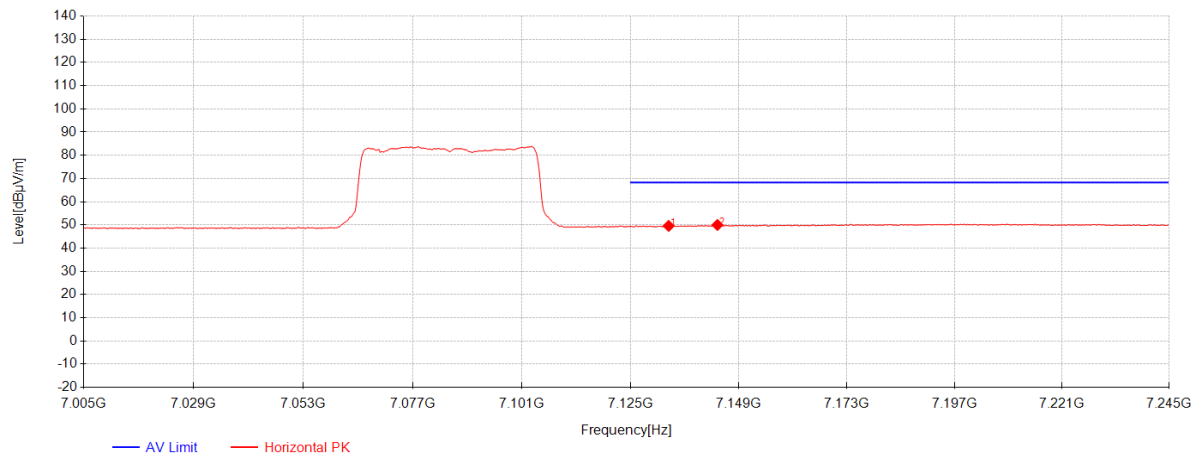
- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:
Level = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Level(dBμV/m)
- All channels have been tested, but only the worst case data displayed in this report.



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Restricted bands around fundamental frequency
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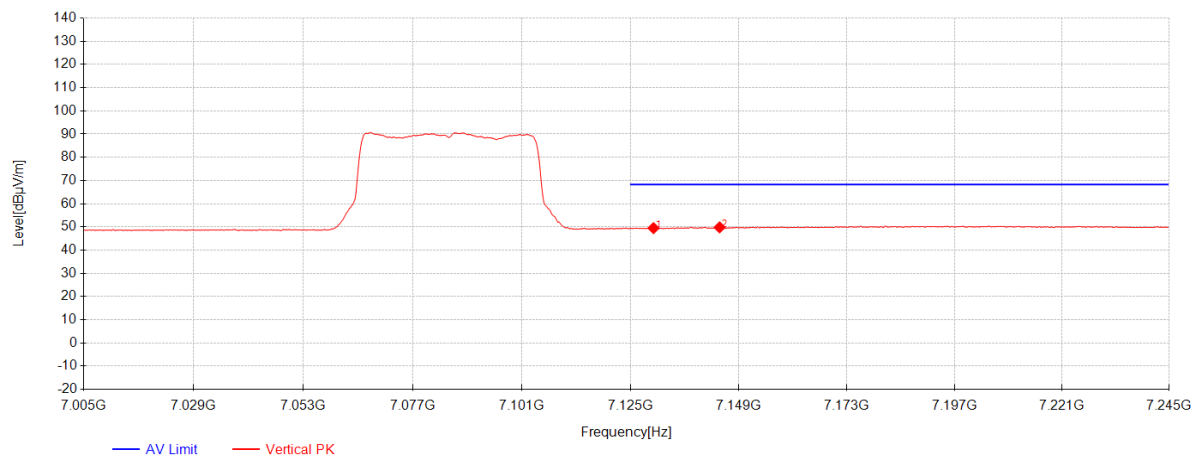
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7133.4	27.82	36.16	-14.41	49.57	68.30	18.73	Horizontal
2	7144.2	28.18	36.17	-14.37	49.99	68.30	18.31	Horizontal



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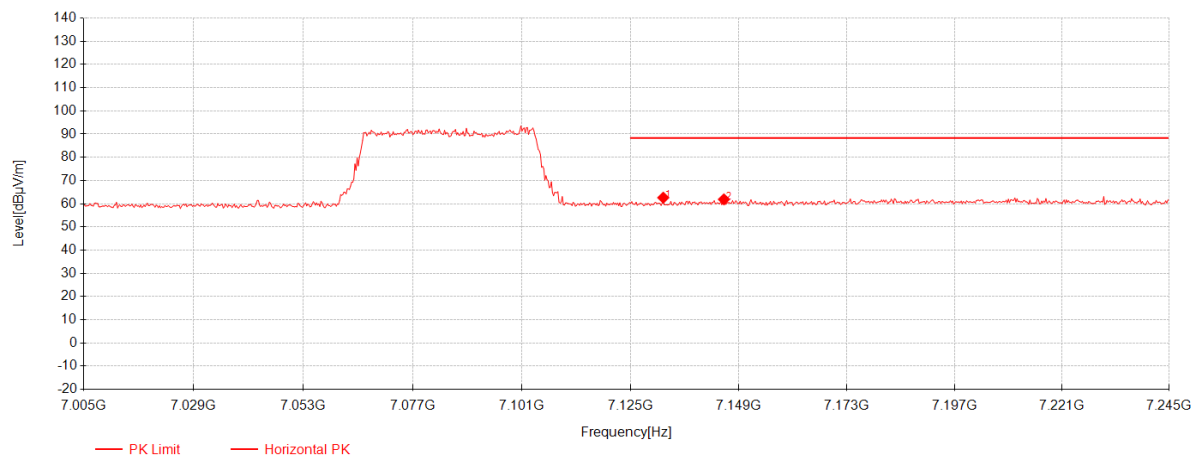
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7130.04	27.75	36.16	-14.43	49.48	68.30	18.82	Vertical
2	7144.68	28.00	36.17	-14.36	49.81	68.30	18.49	Vertical



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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7132.2	40.85	36.16	-14.42	62.59	88.30	25.71	Horizontal
2	7145.64	40.07	36.17	-14.36	61.89	88.30	26.41	Horizontal



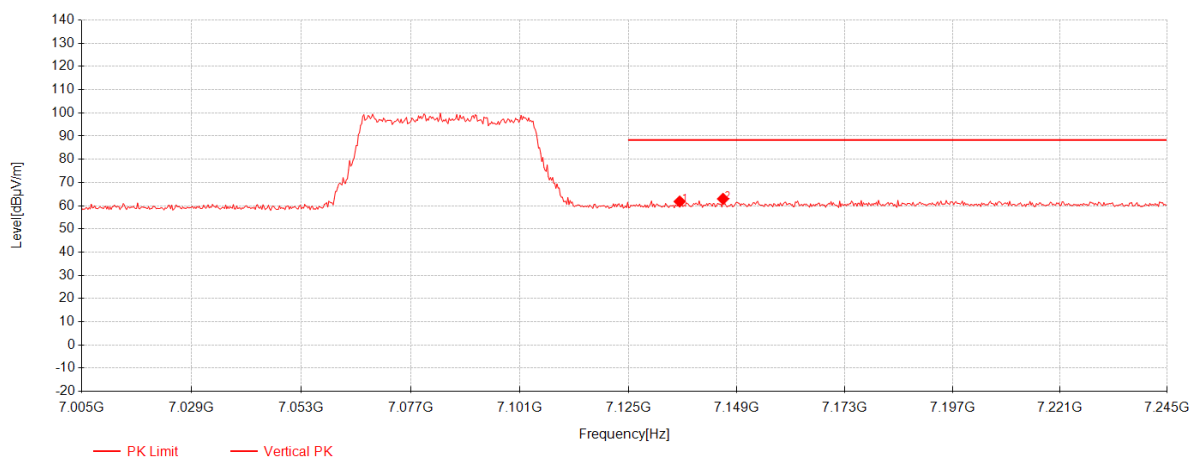
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7136.28	40.05	36.16	-14.40	61.81	88.30	26.49	Vertical
2	7145.88	41.14	36.18	-14.36	62.96	88.30	25.34	Vertical

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Level = Reading(dBμV) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit(dBμV/m) – Level(dBμV/m)

---End of Report---