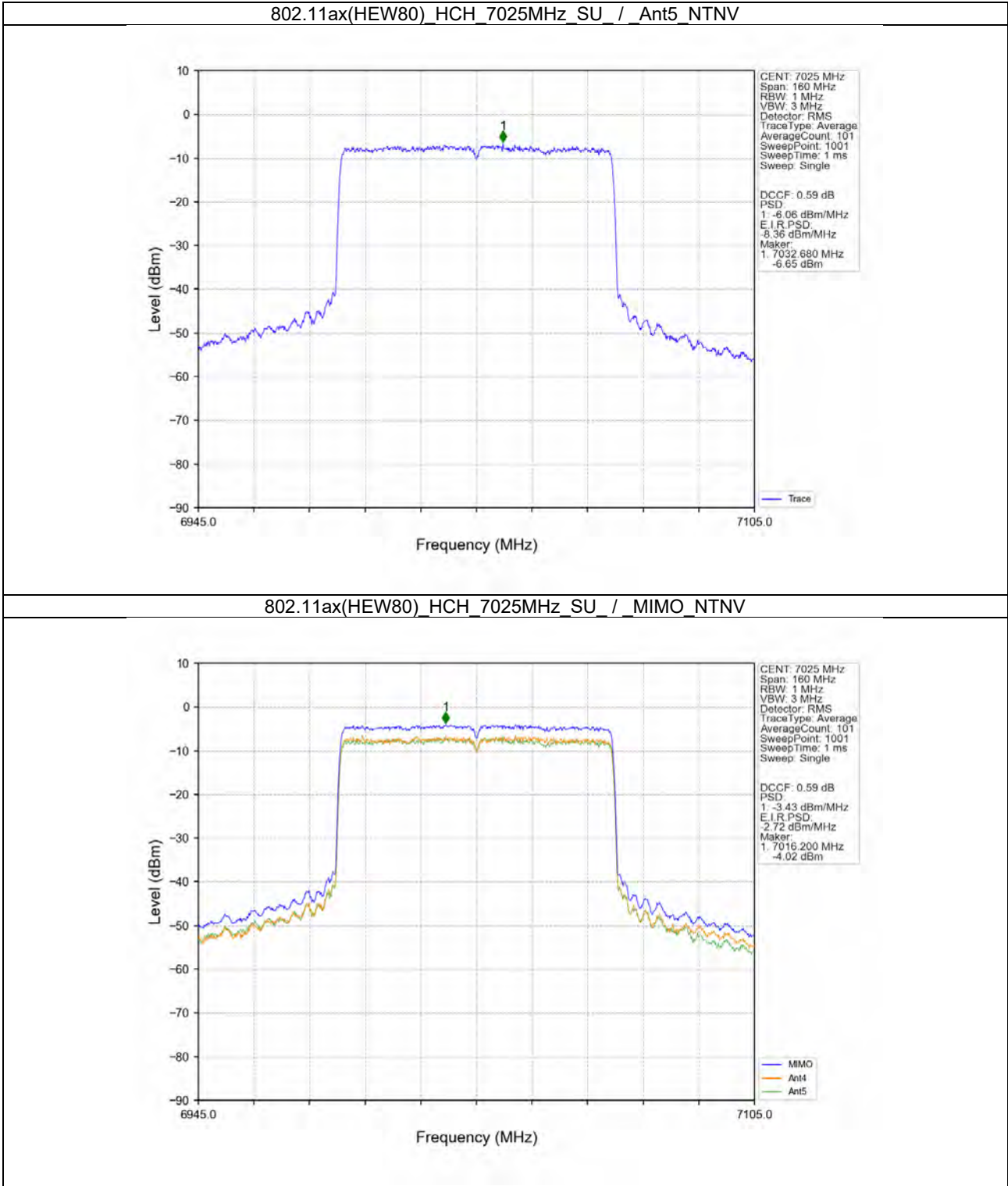




SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

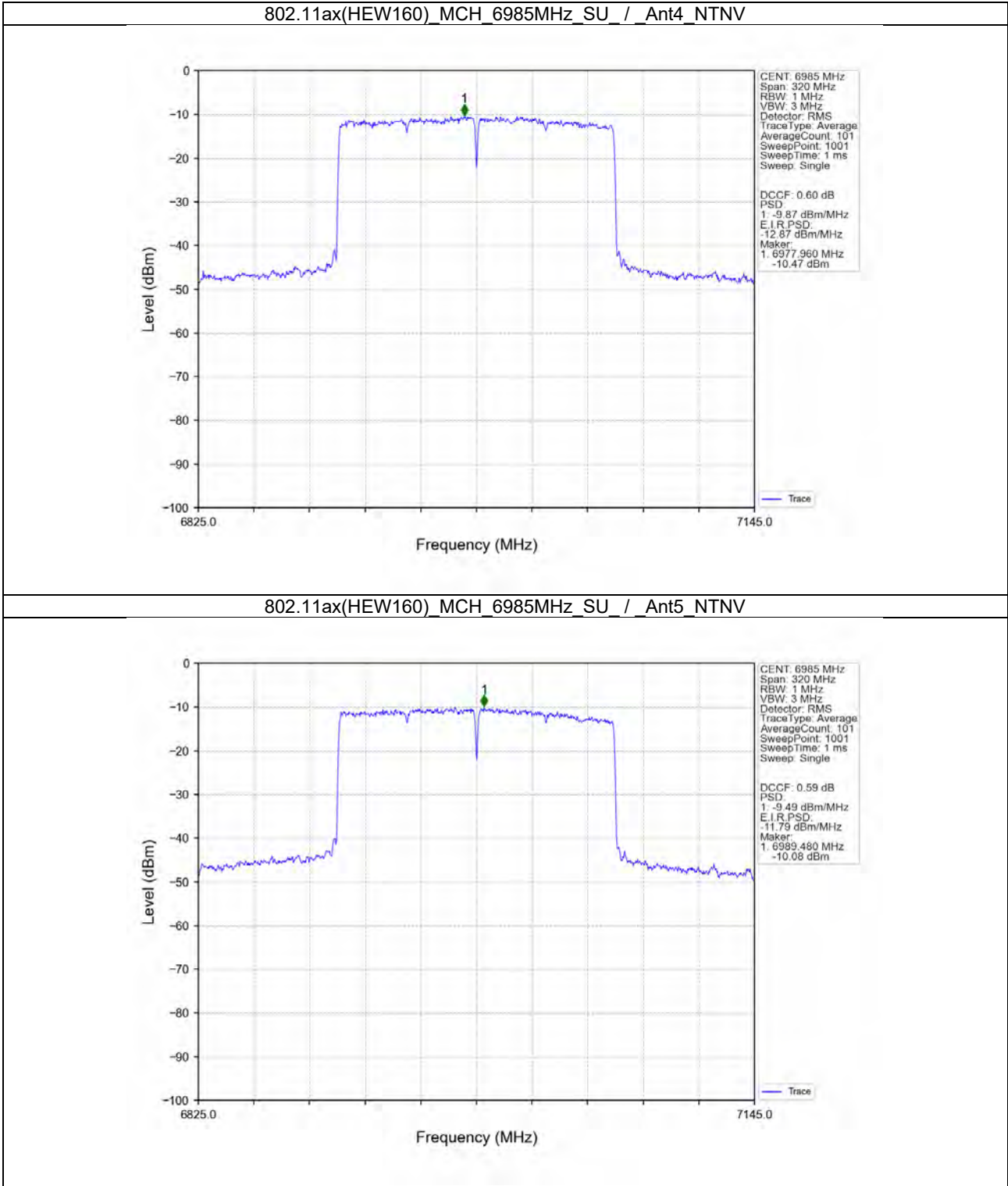
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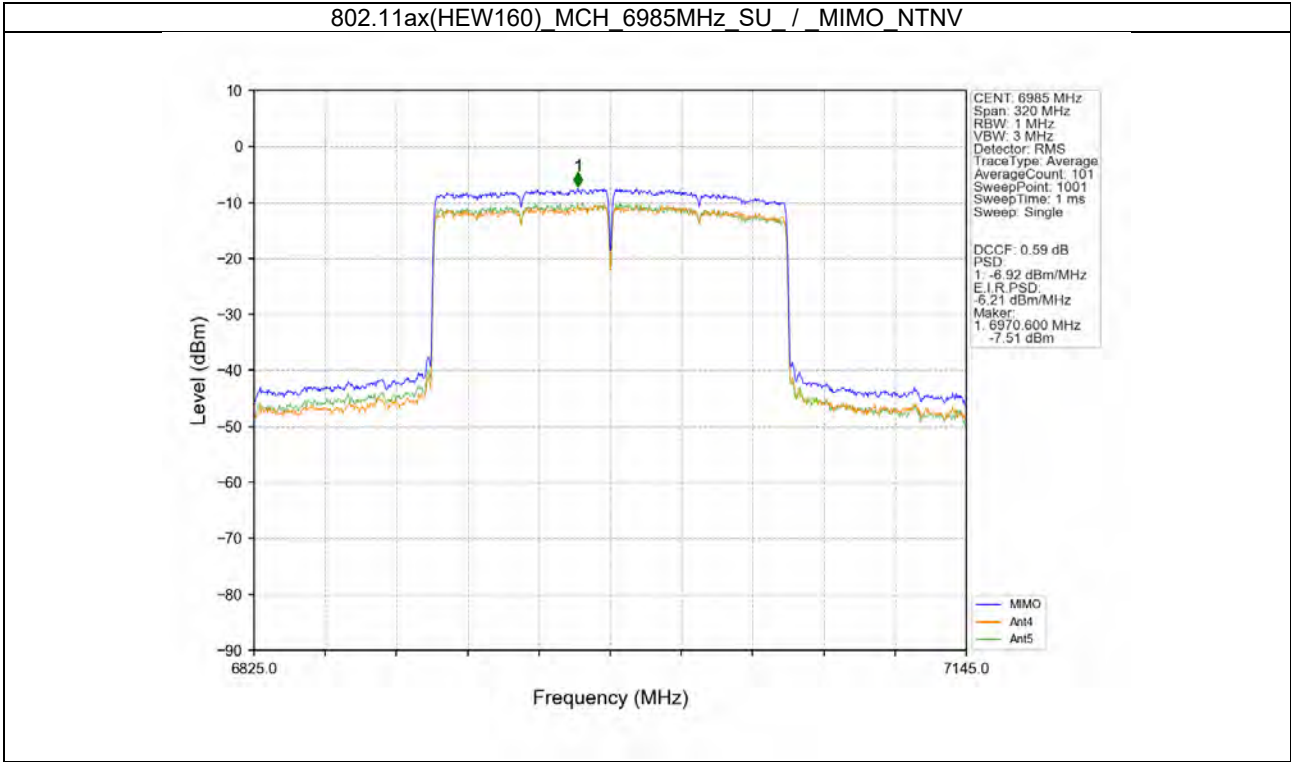
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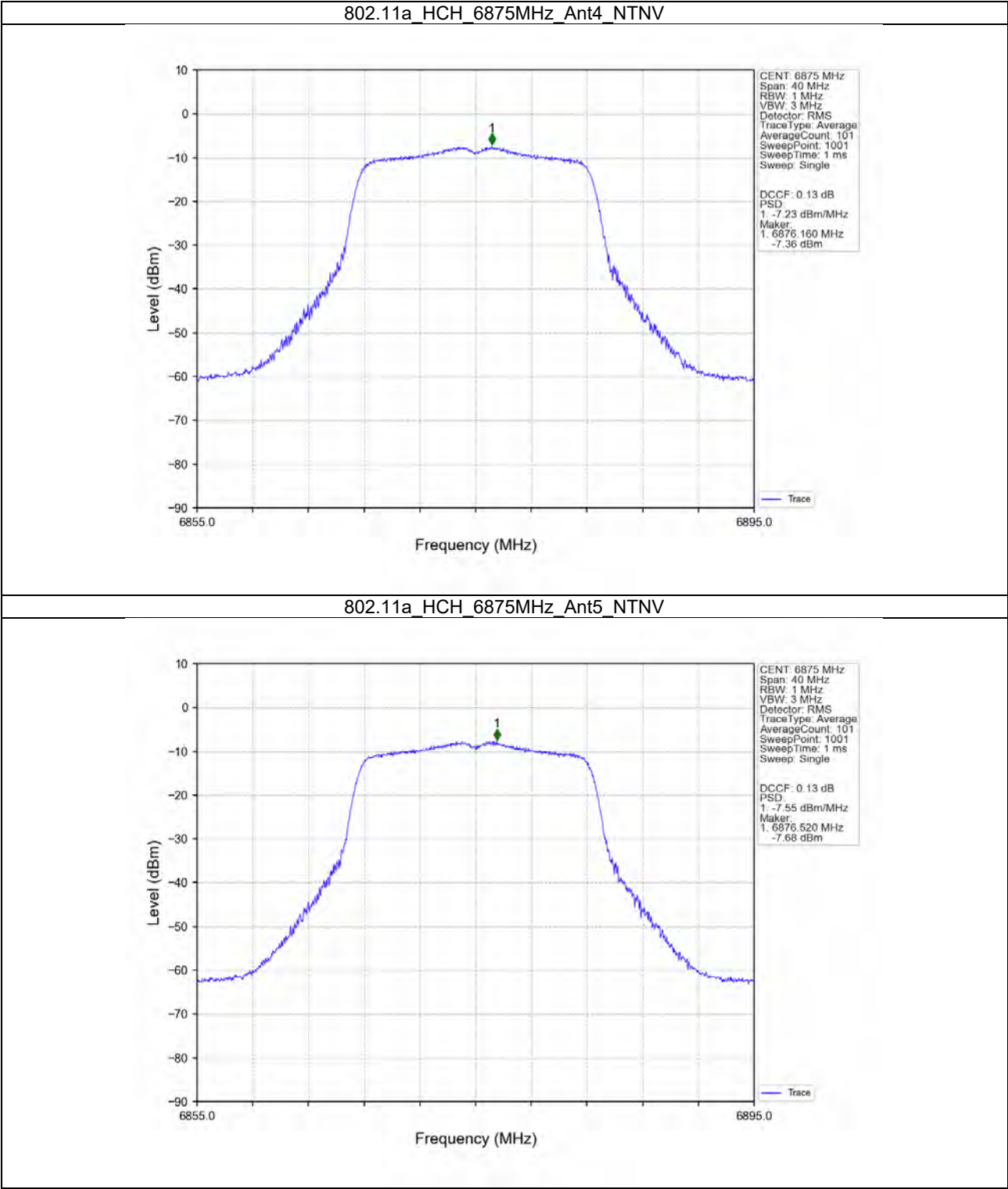




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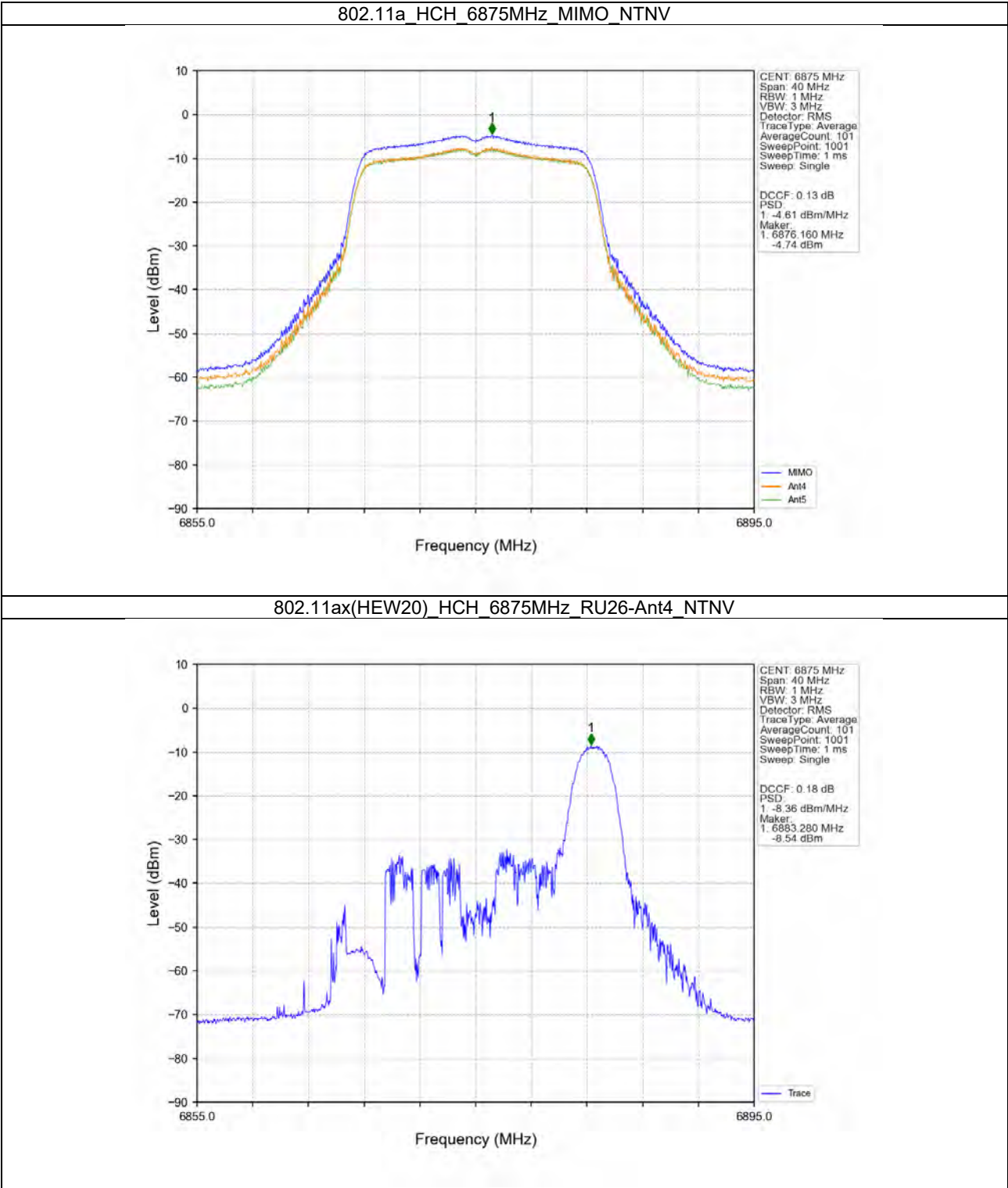
4.2.9 PSD





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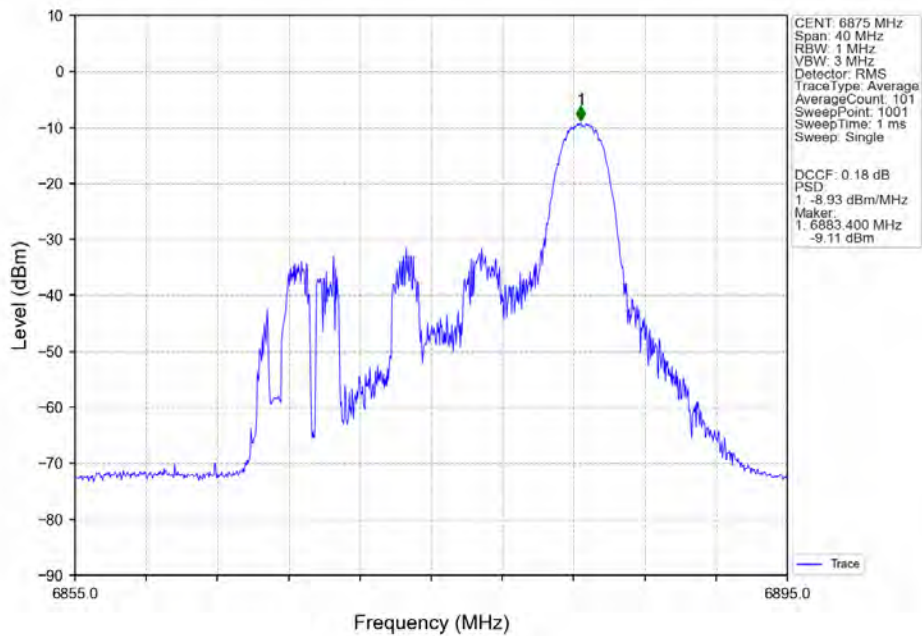




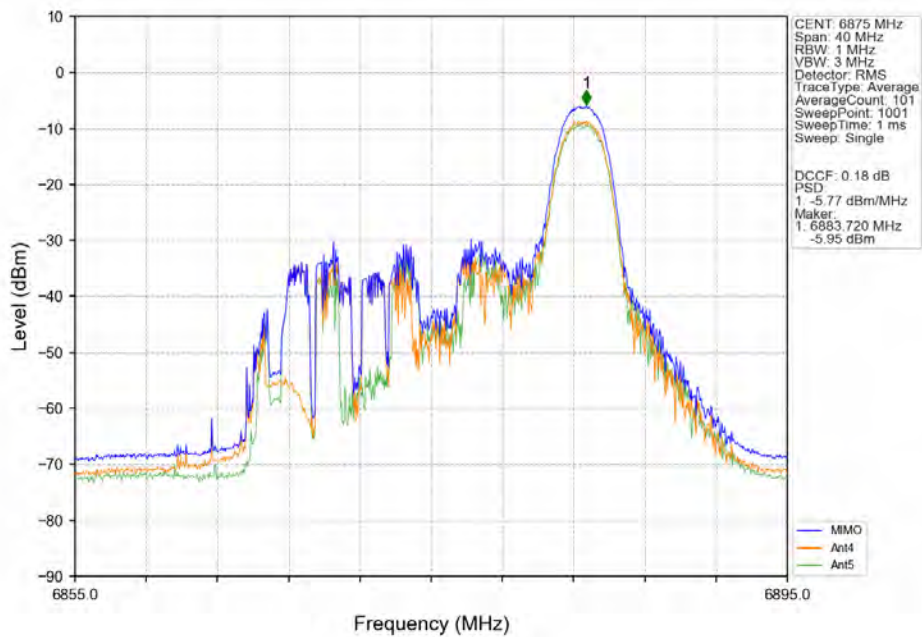
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802.11ax(HEW20)_HCH_6875MHz_RU26-Ant5_NTNV



802.11ax(HEW20)_HCH_6875MHz_RU26-MIMO_NTNV

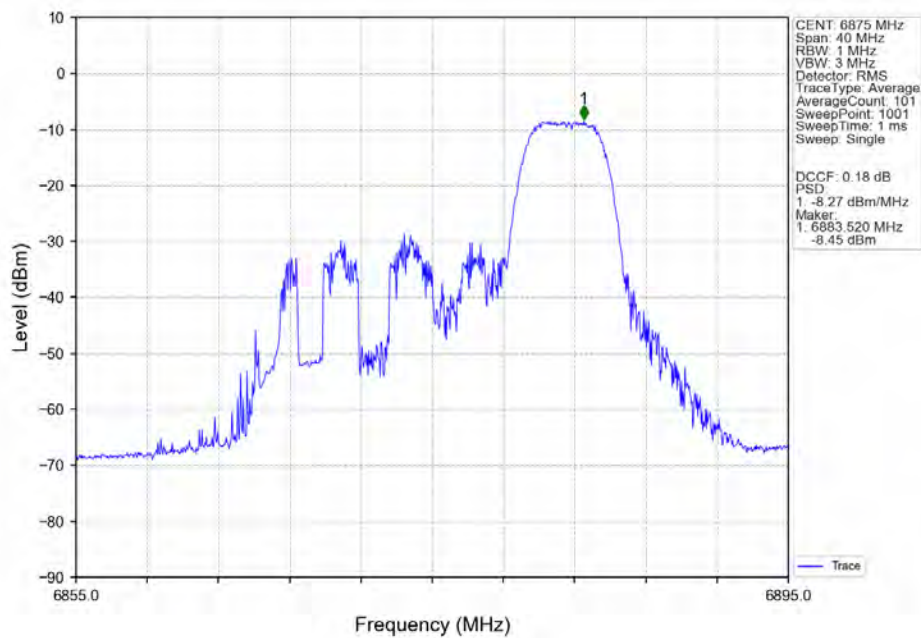




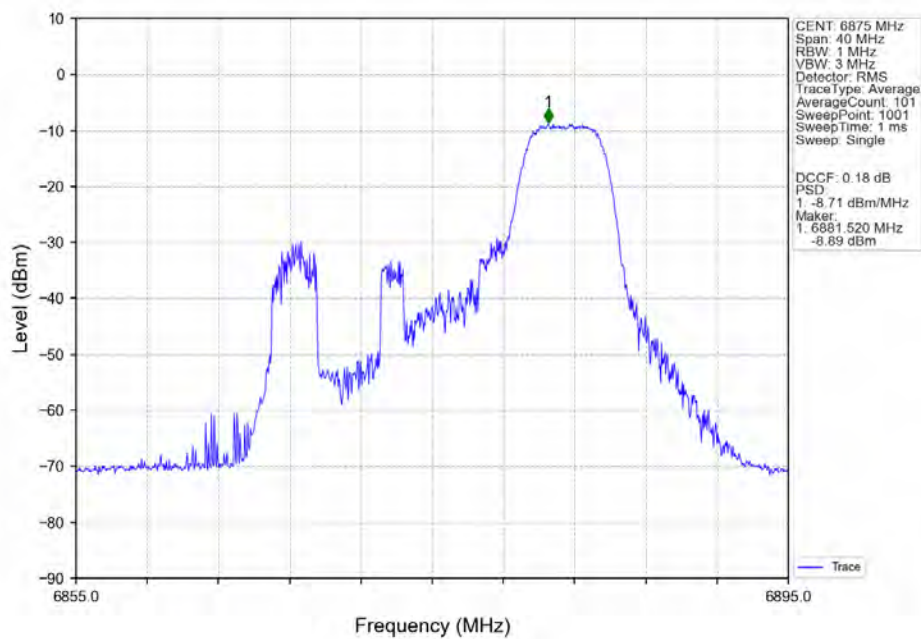
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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802.11ax(HEW20)_HCH_6875MHz_RU52-Ant4_NTNV



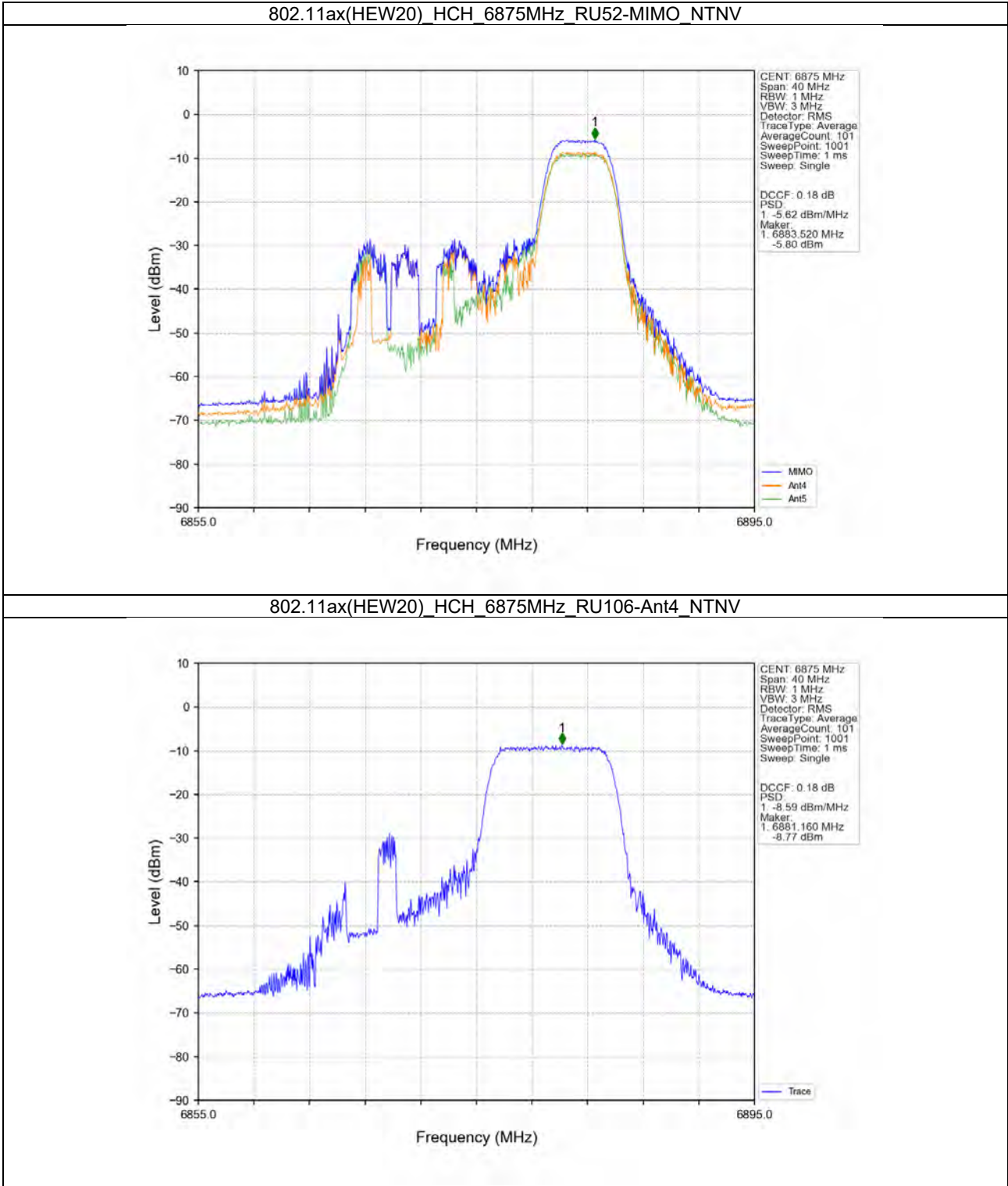
802.11ax(HEW20)_HCH_6875MHz_RU52-Ant5_NTNV





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

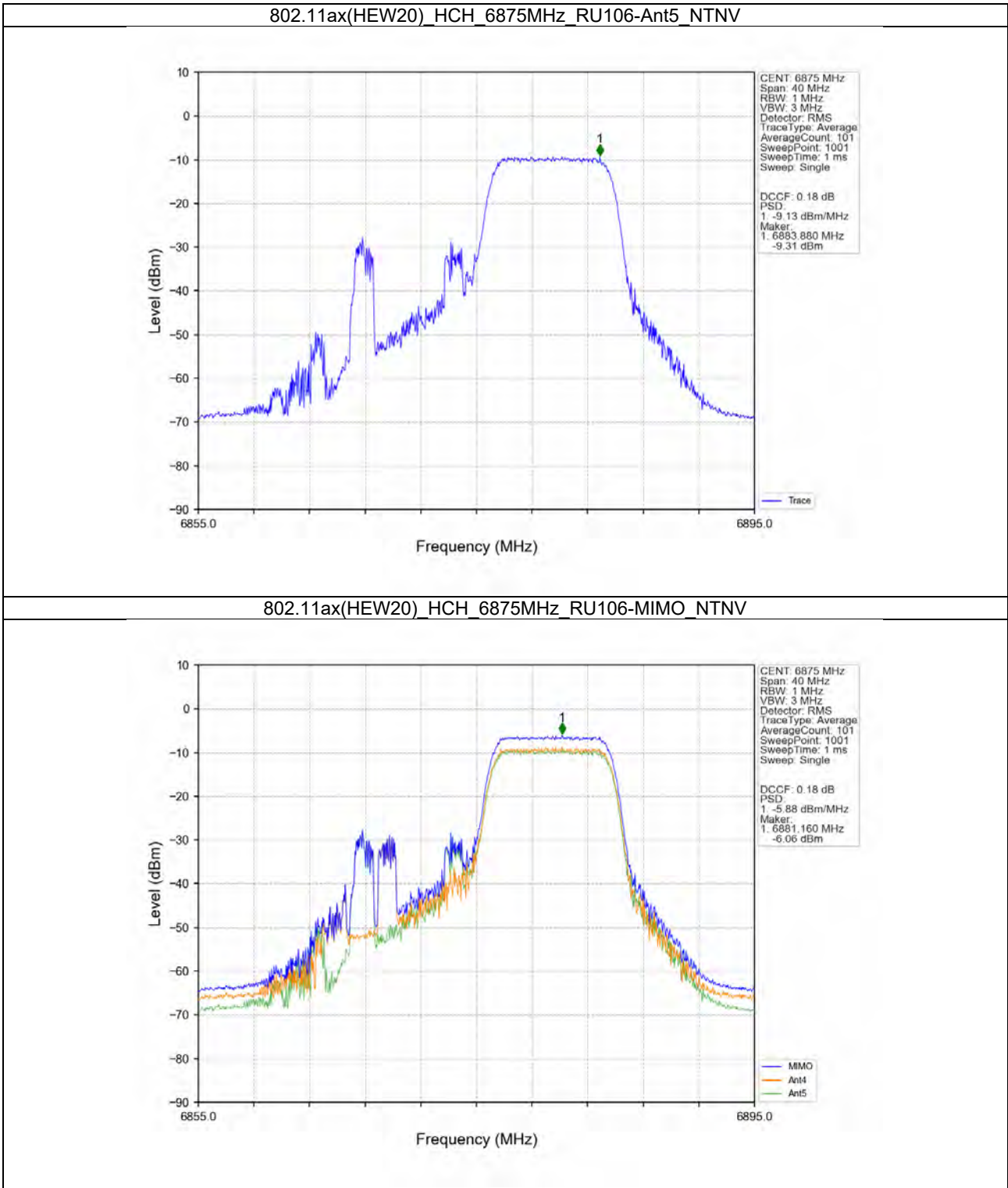
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

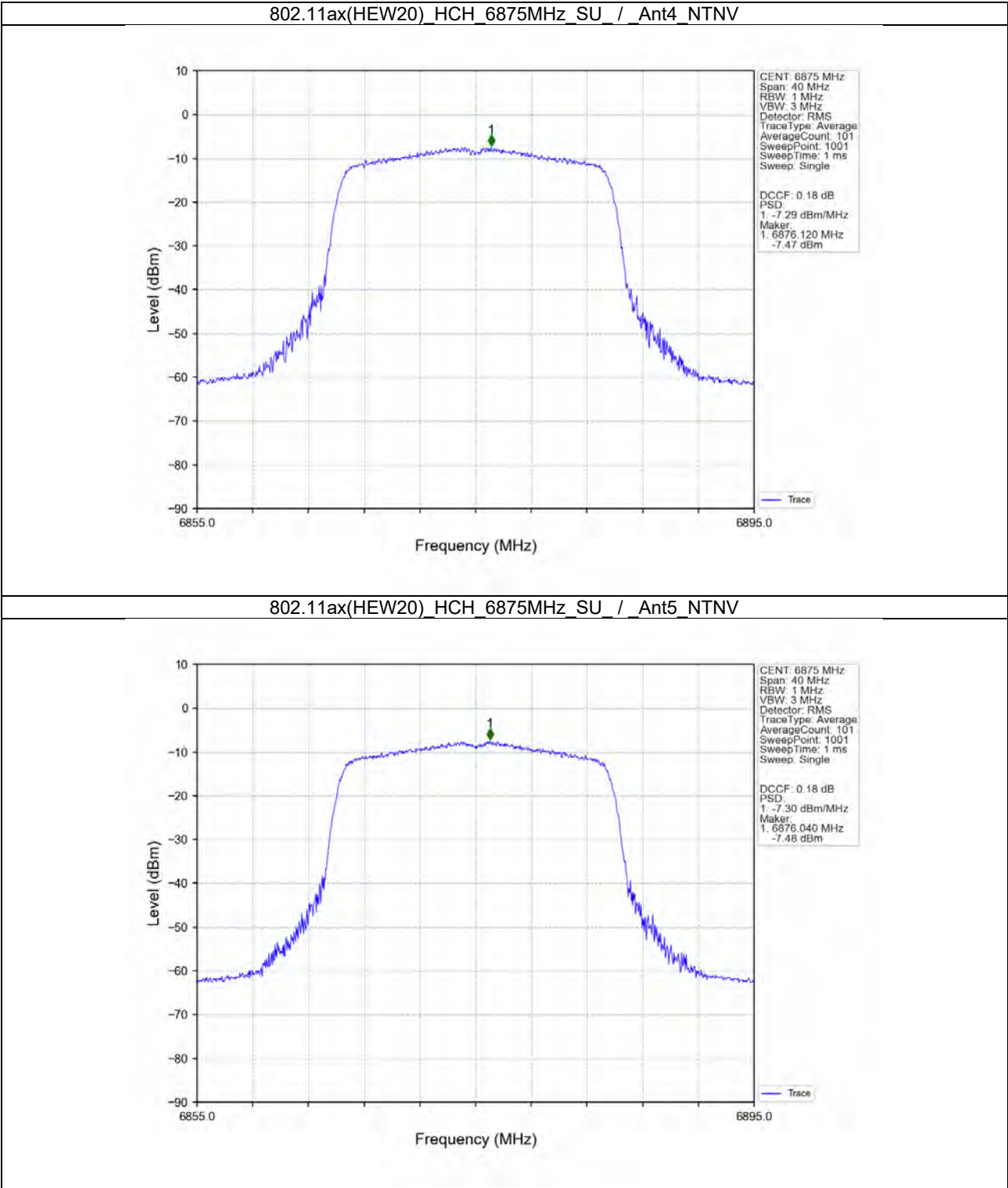
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

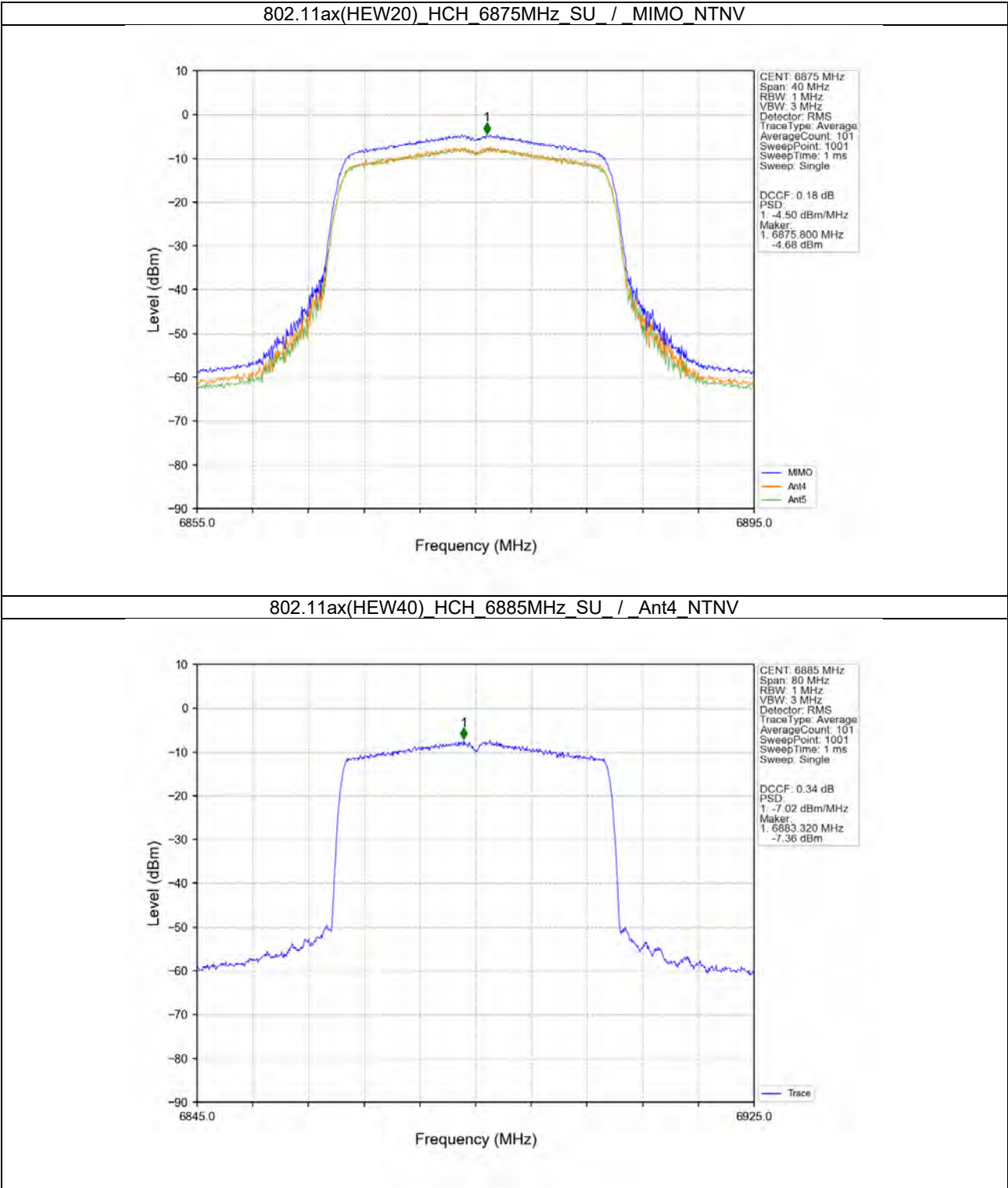
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

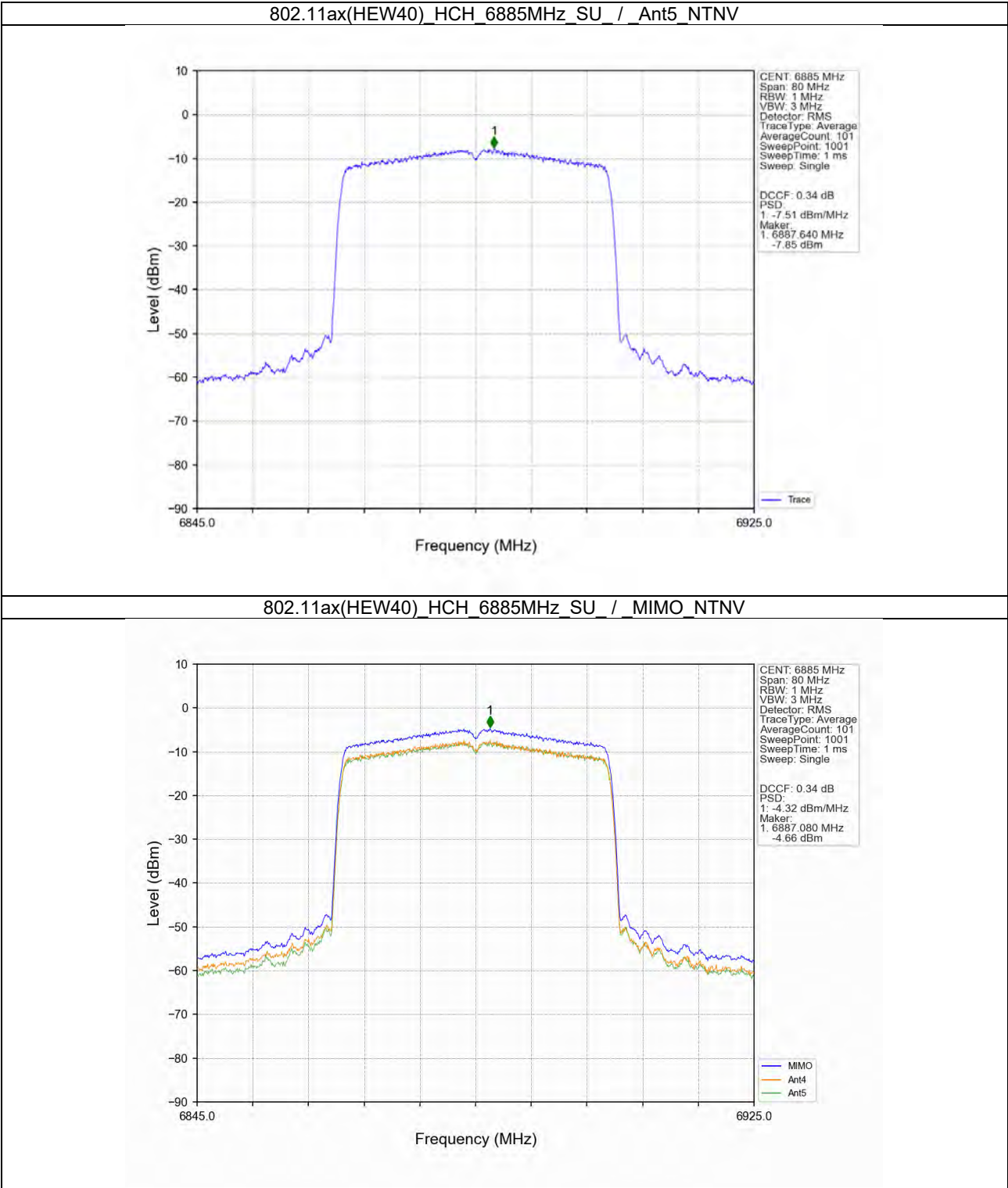
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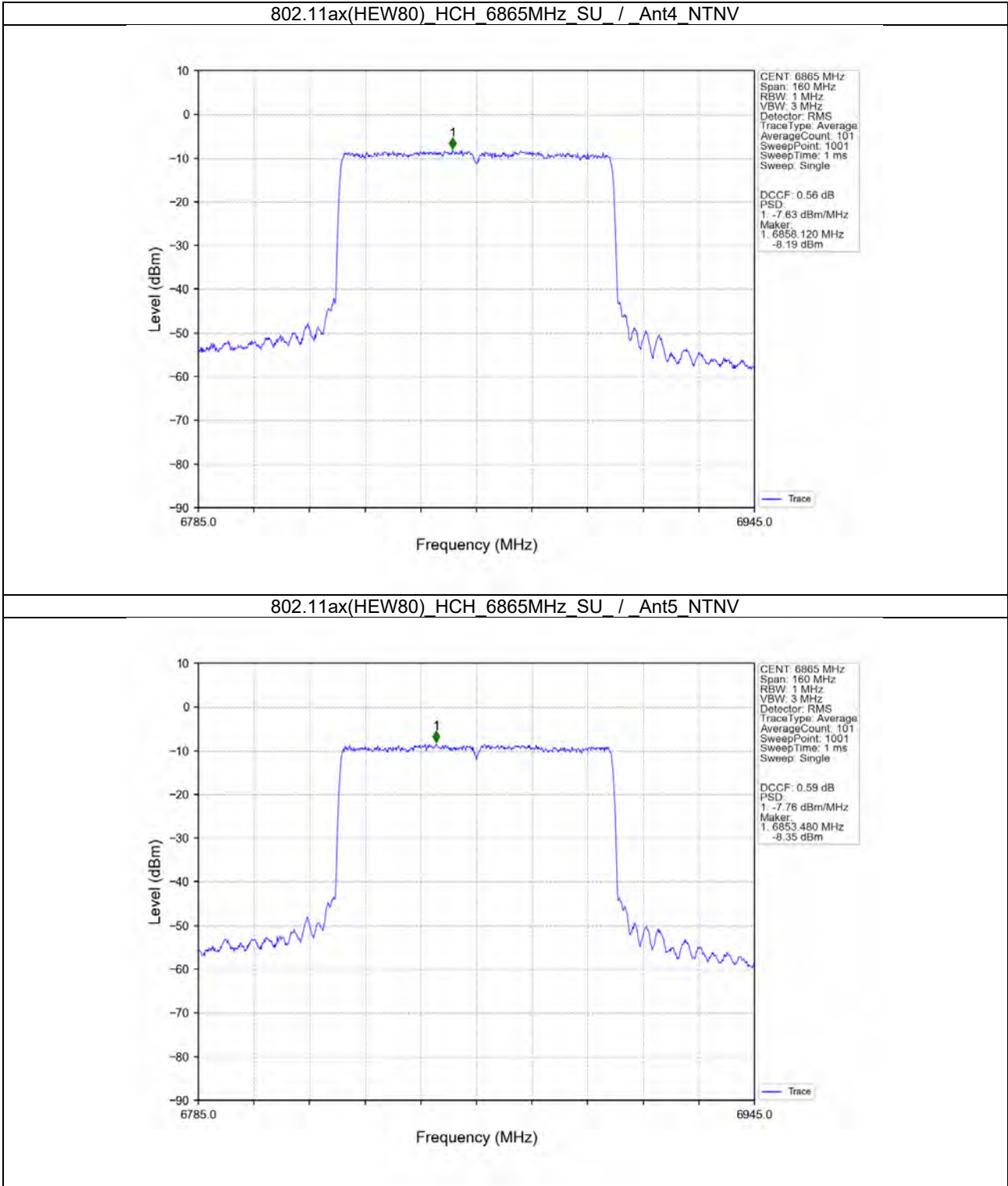
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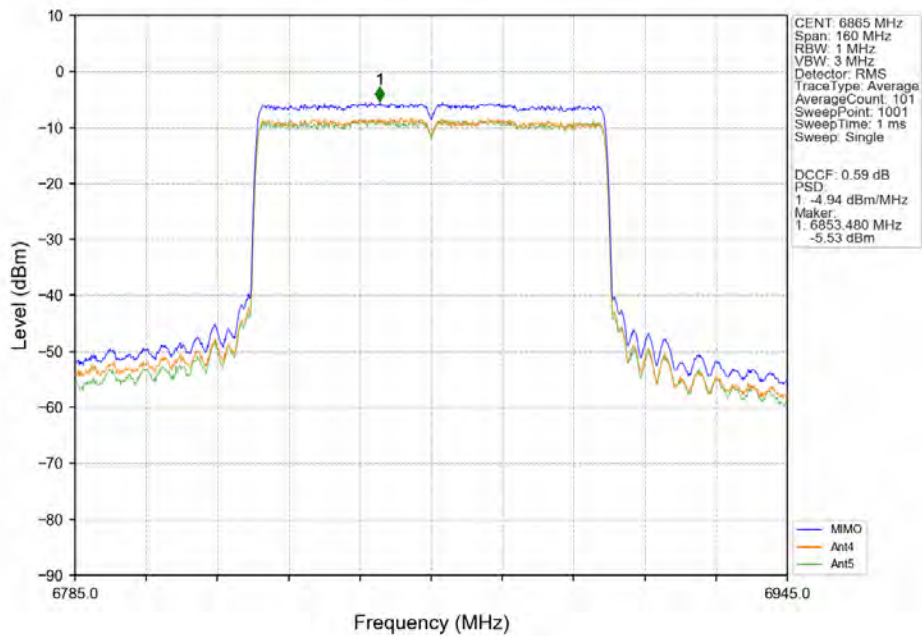


SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

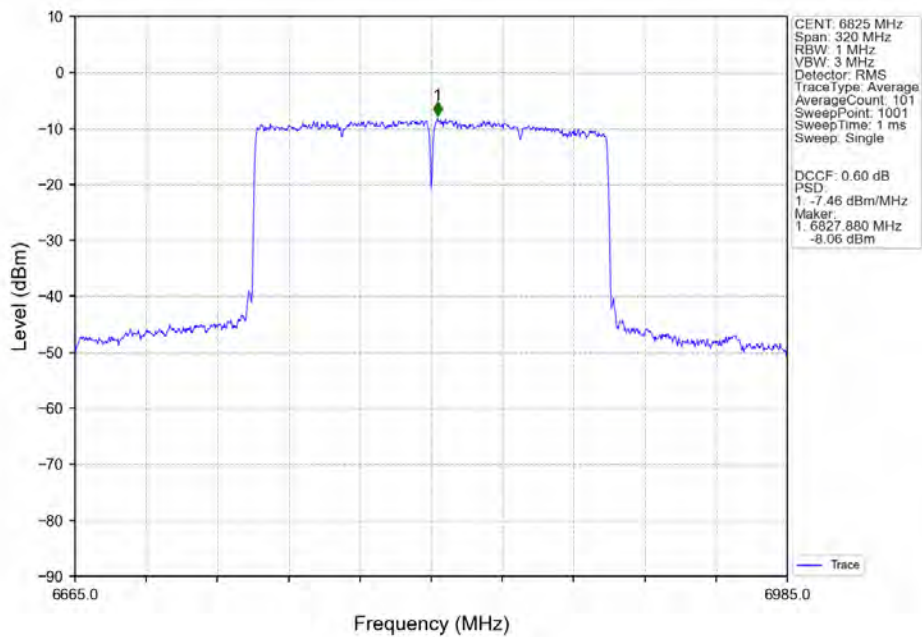
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802.11ax(HEW80)_HCH_6865MHz_SU_/_MIMO_NTNV



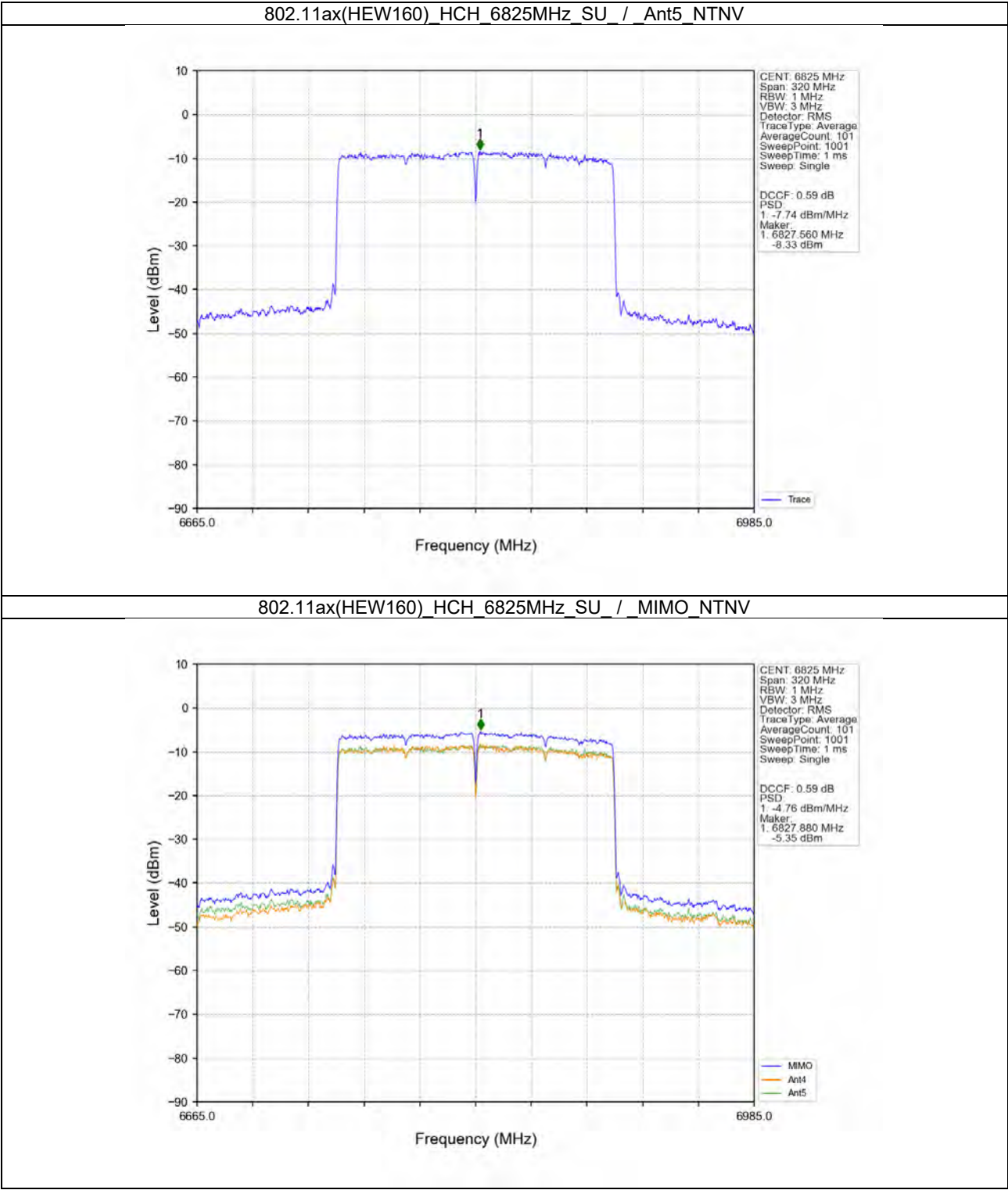
802.11ax(HEW160)_HCH_6825MHz_SU_/_Ant4_NTNV





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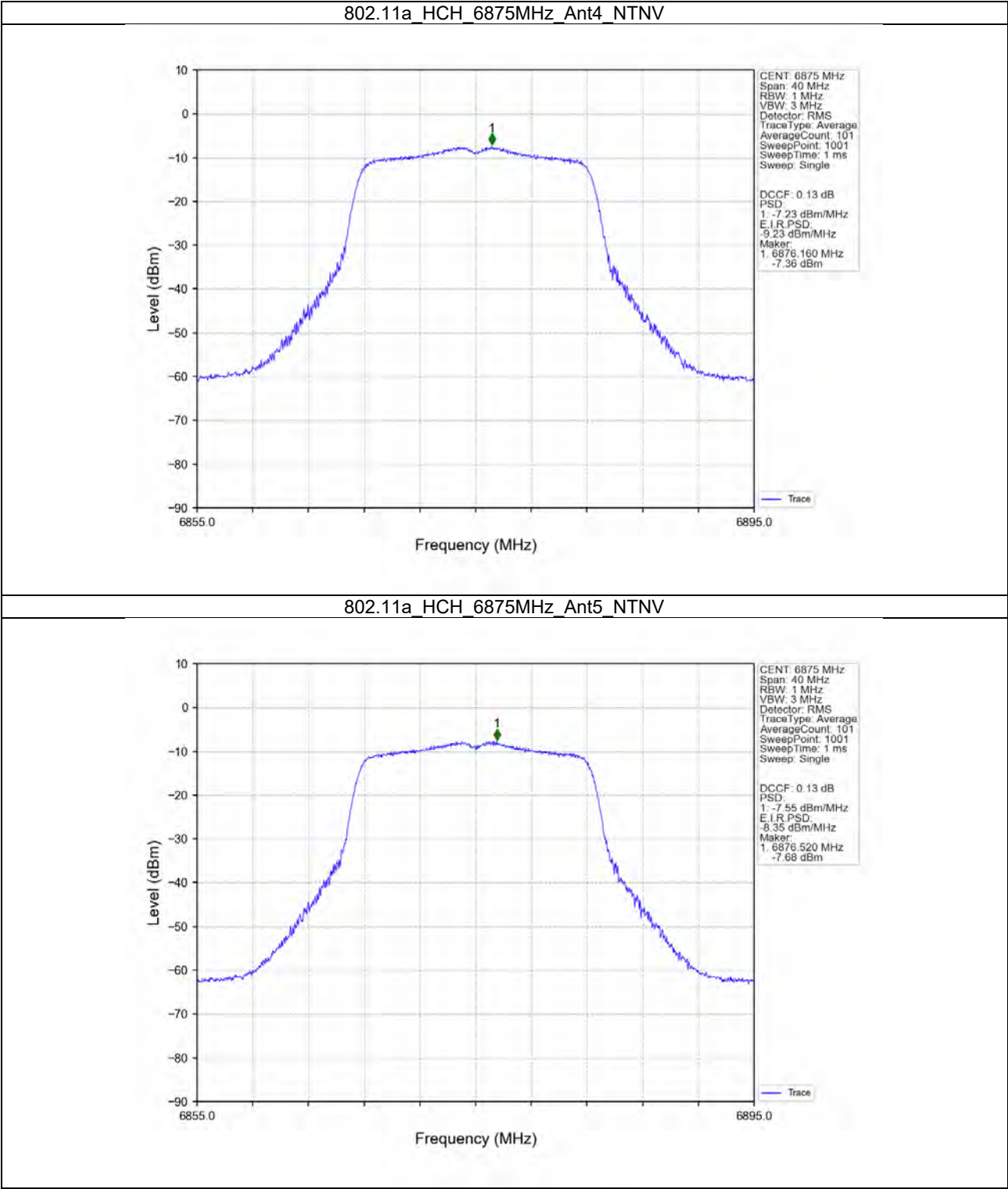




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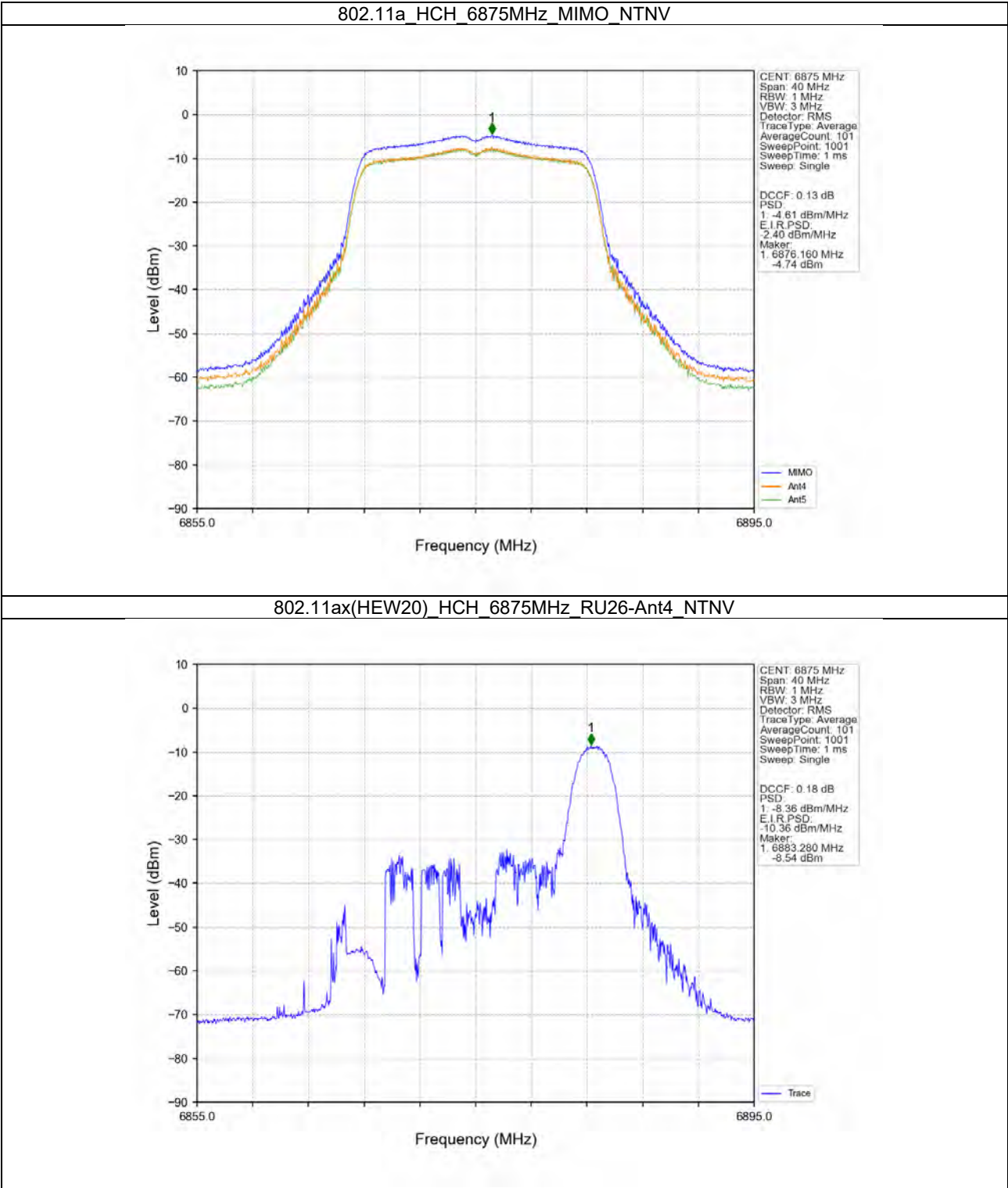
4.2.10 E.I.R.PSD





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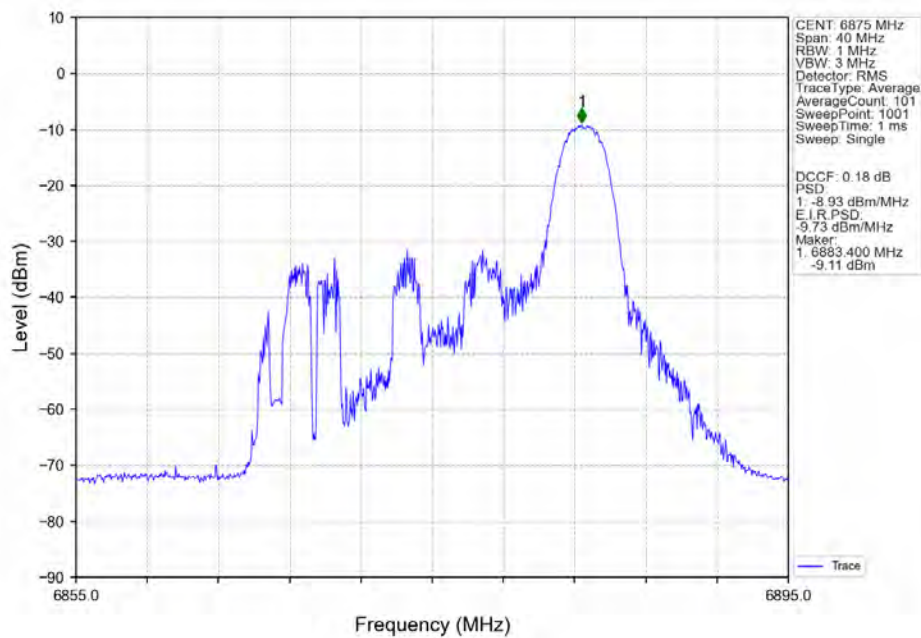




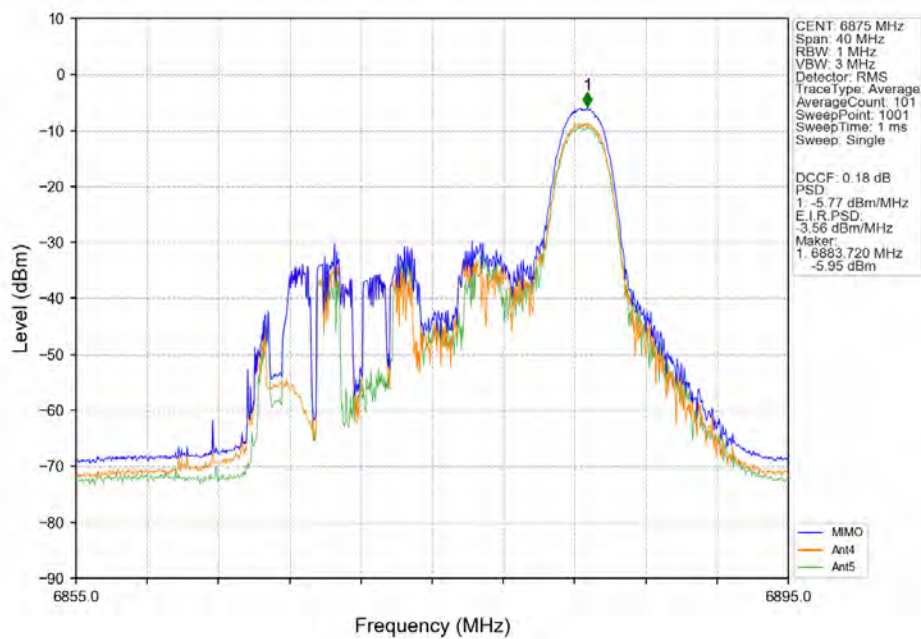
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802.11ax(HEW20)_HCH_6875MHz_RU26-Ant5_NTNV



802.11ax(HEW20)_HCH_6875MHz_RU26-MIMO_NTNV

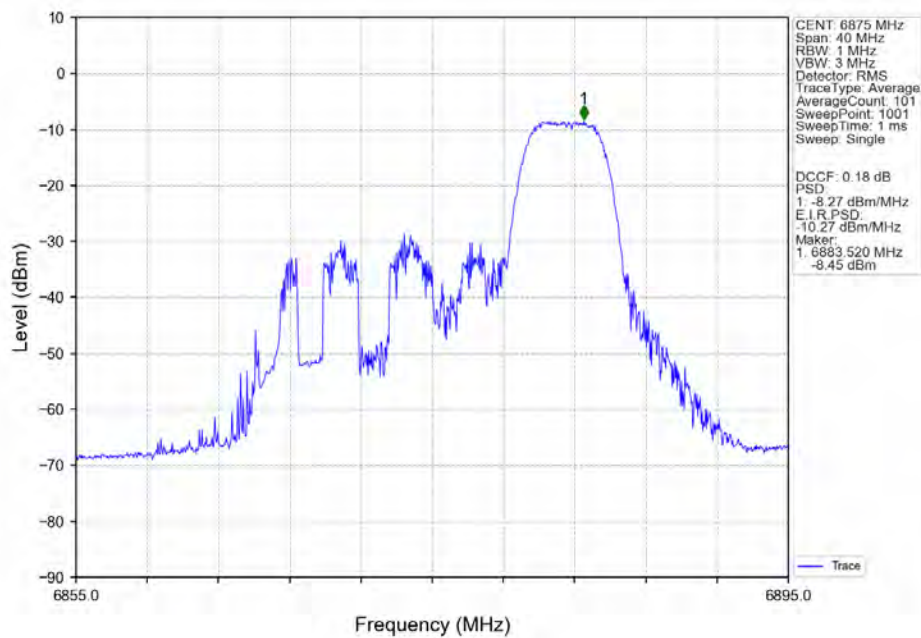




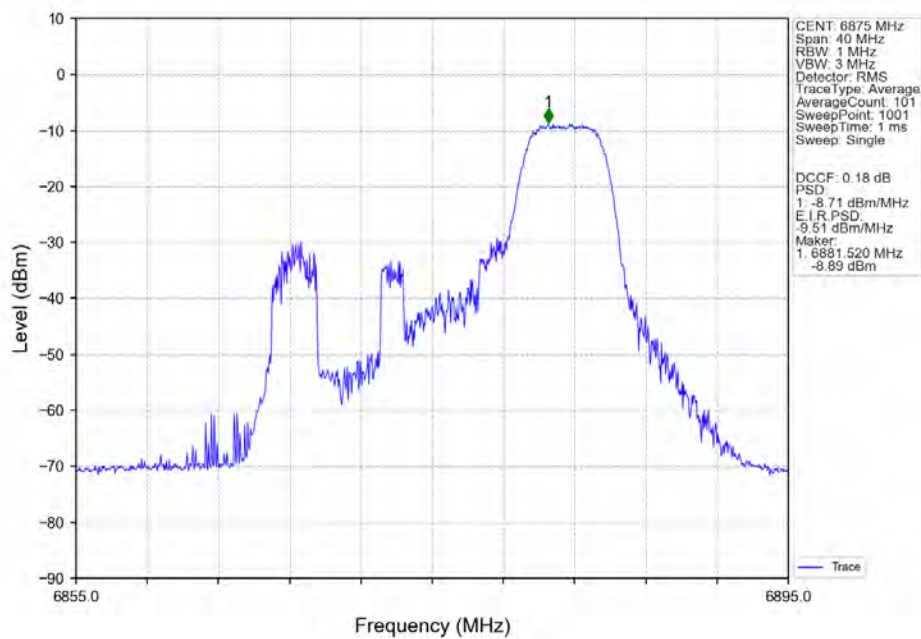
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802.11ax(HEW20)_HCH_6875MHz_RU52-Ant4_NTNV



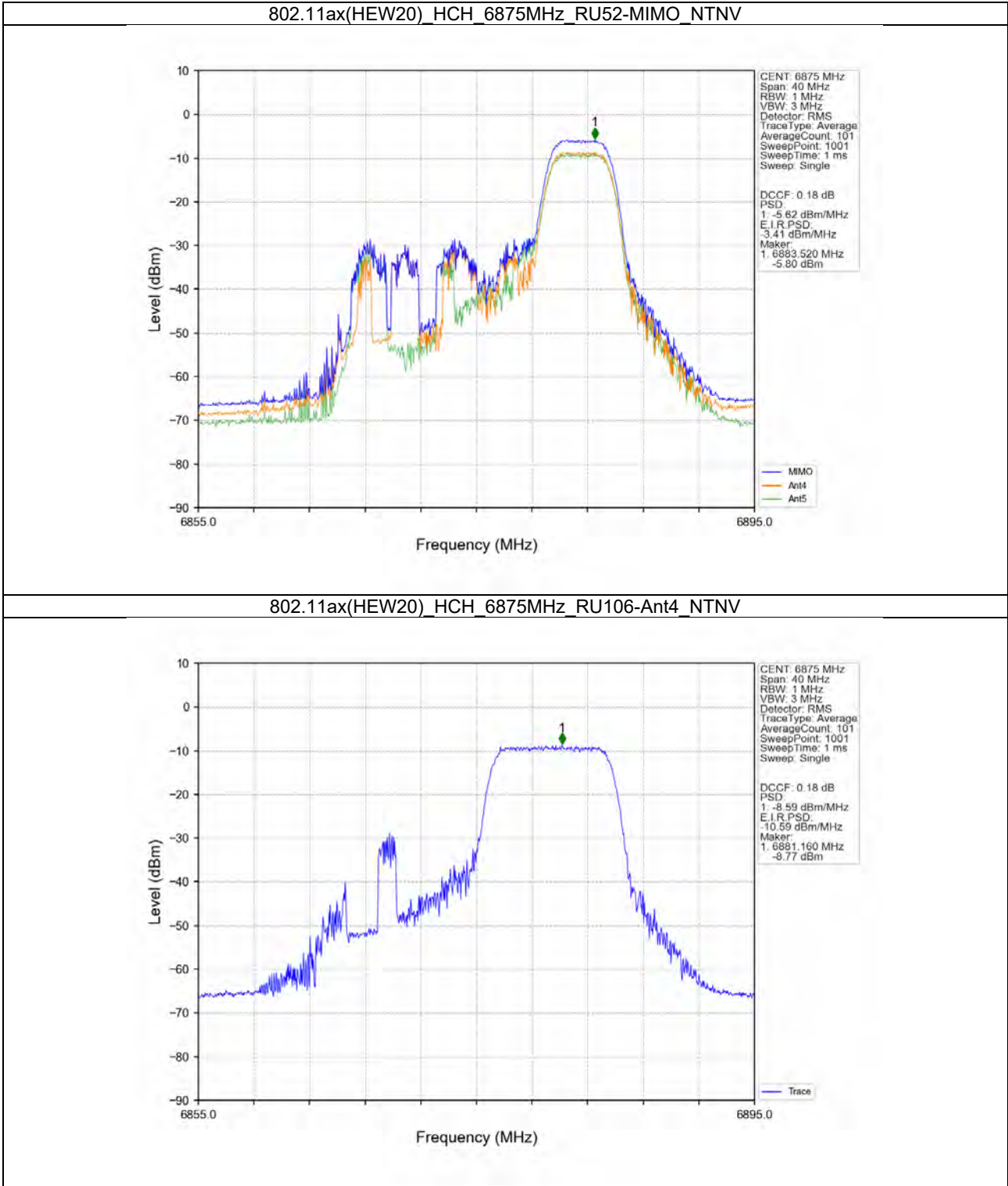
802.11ax(HEW20)_HCH_6875MHz_RU52-Ant5_NTNV





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

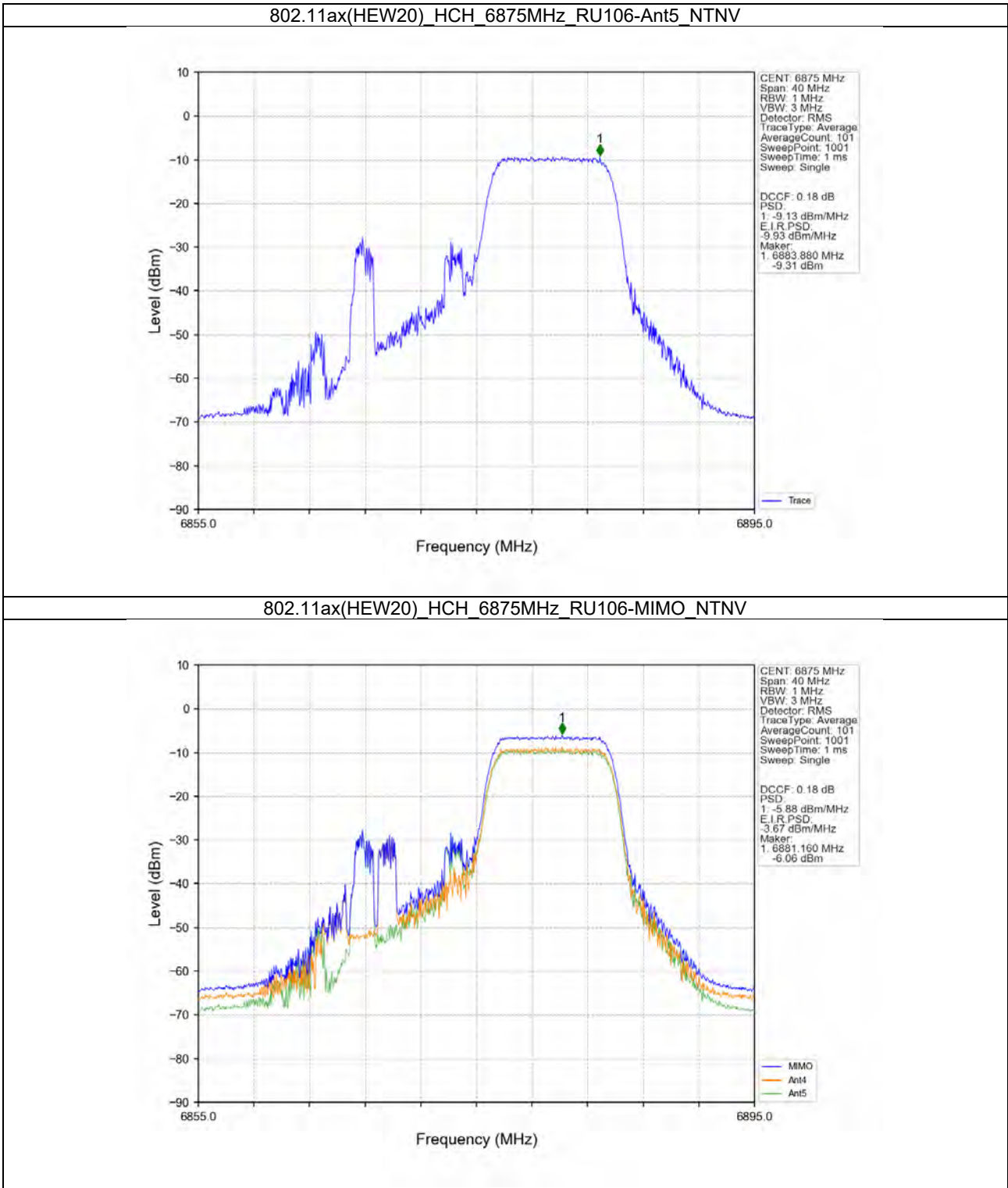
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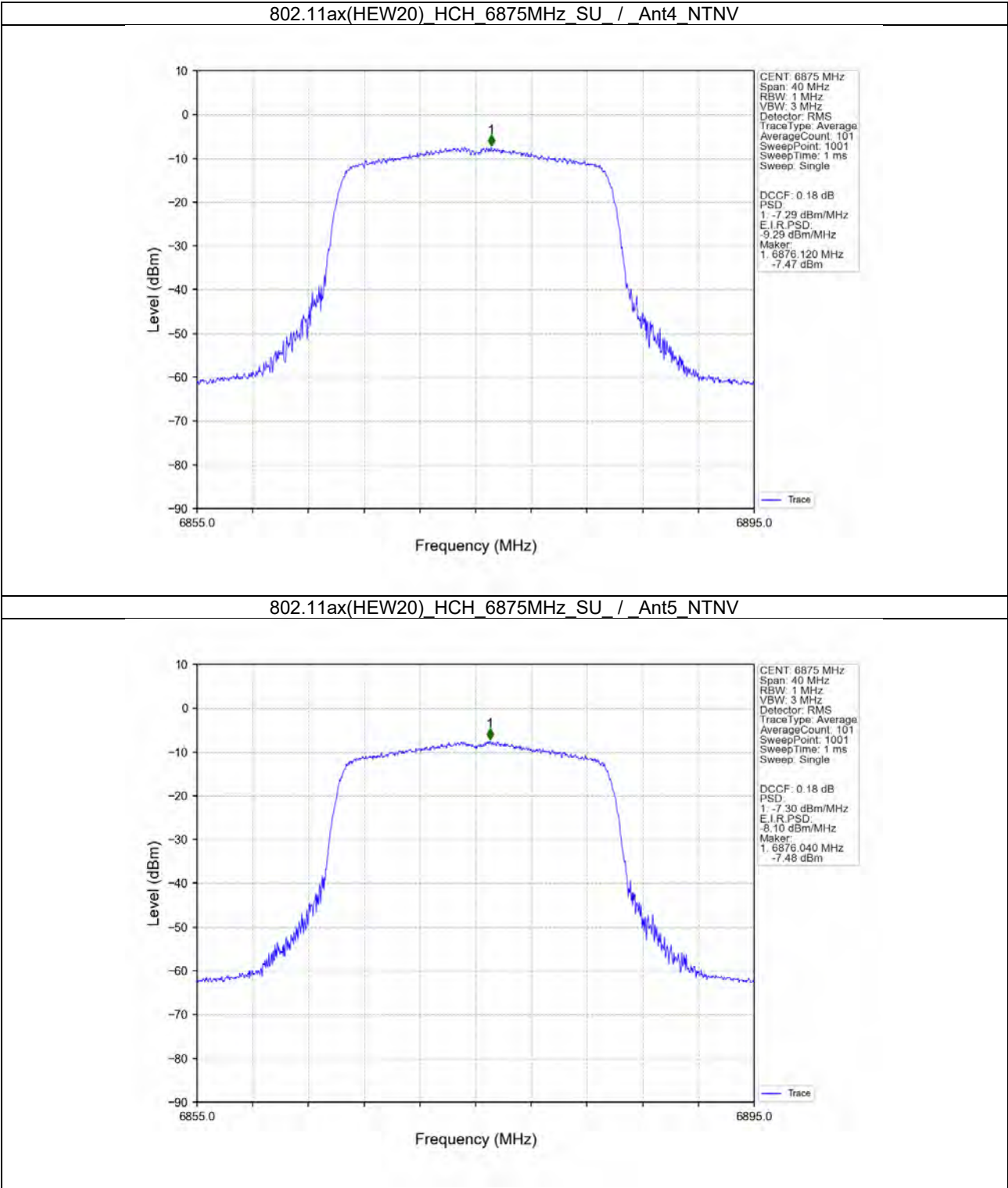
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

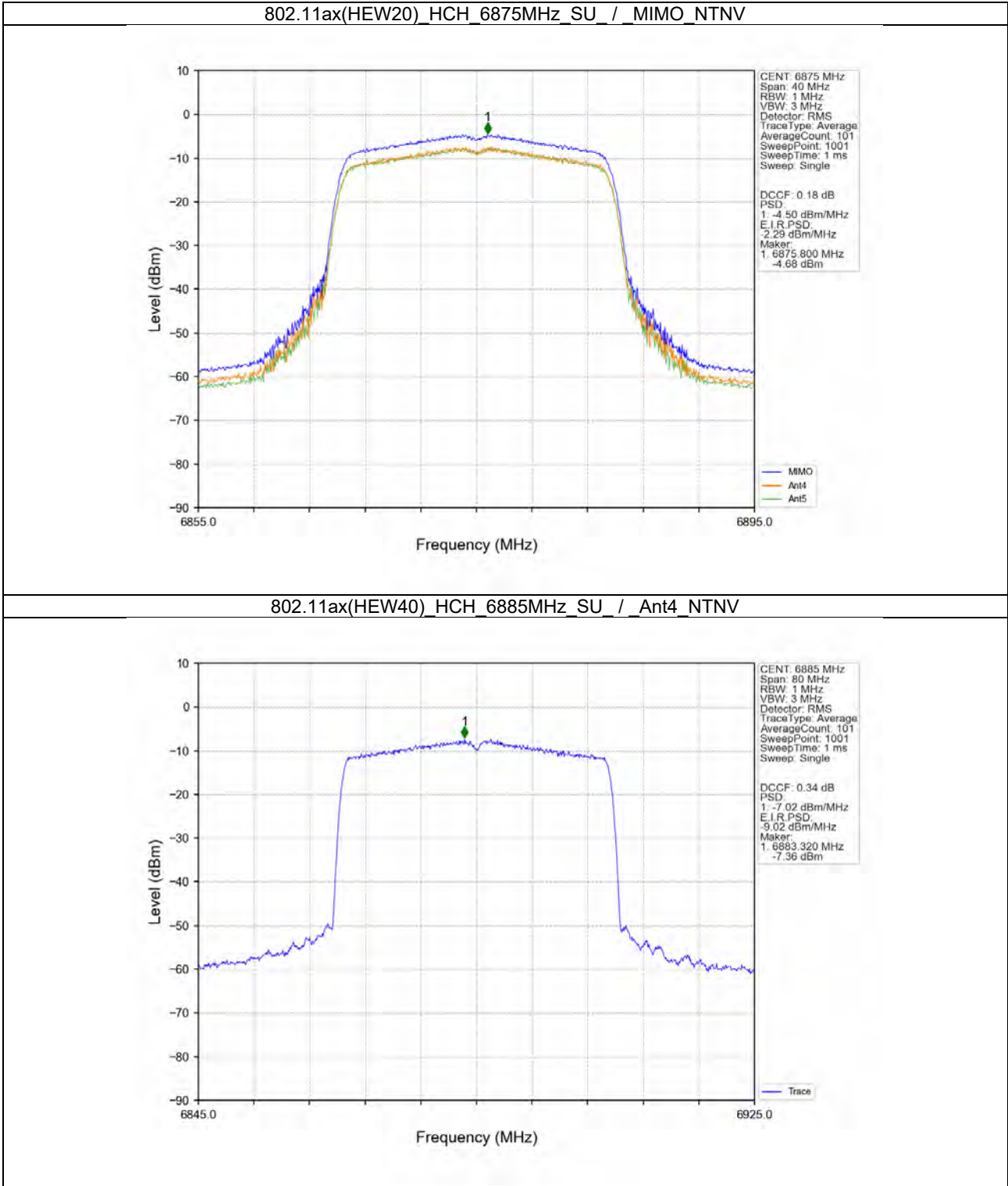
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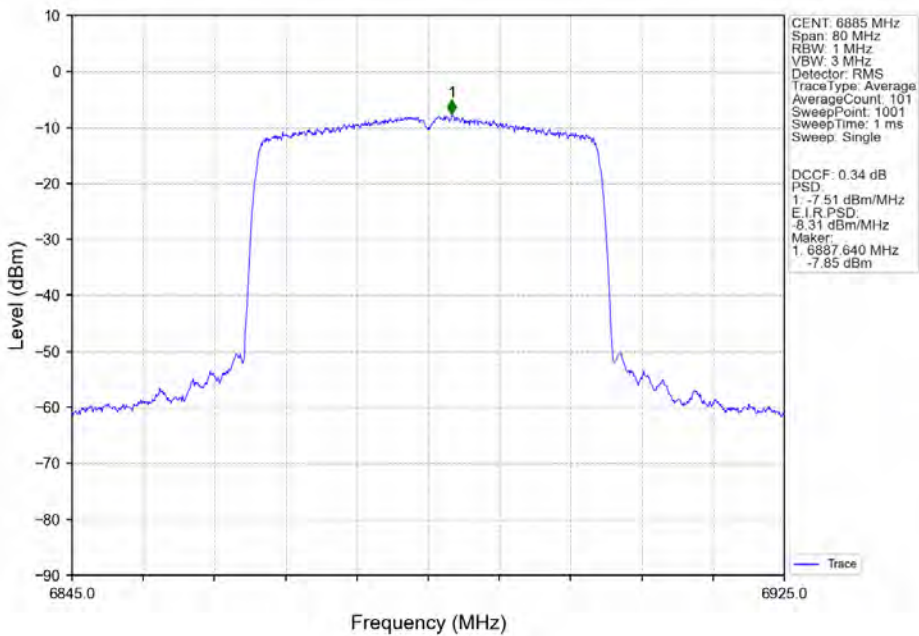
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Report No.: SUCR250400034207

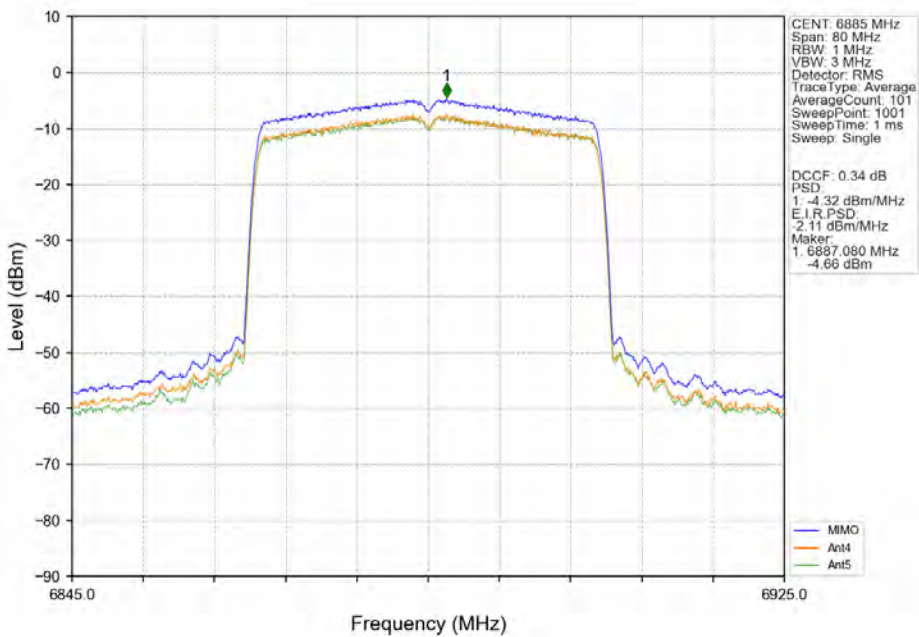
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802.11ax(HEW40)_HCH_6885MHz_SU_/_Ant5_NTNV



802.11ax(HEW40)_HCH_6885MHz_SU_/_MIMO_NTNV

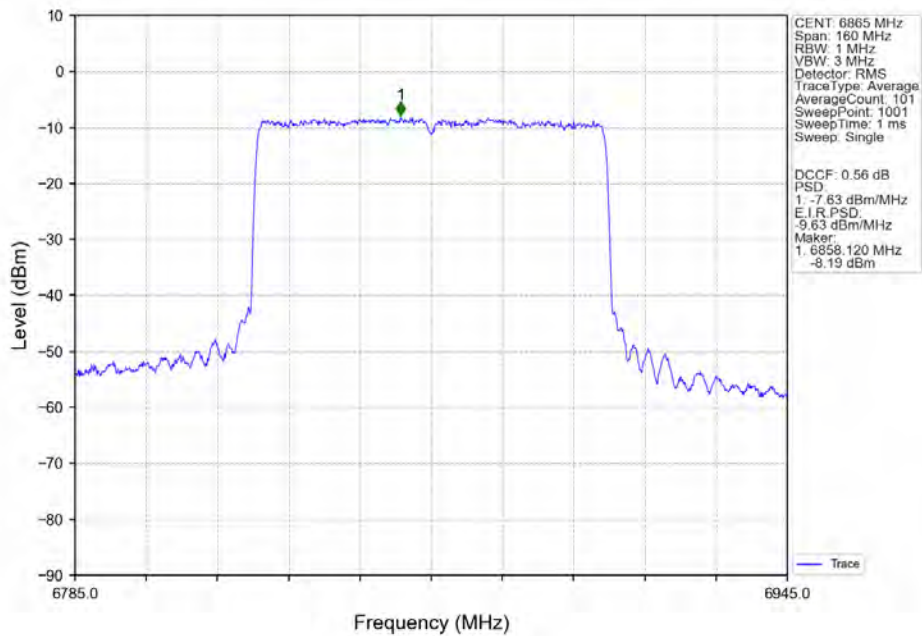




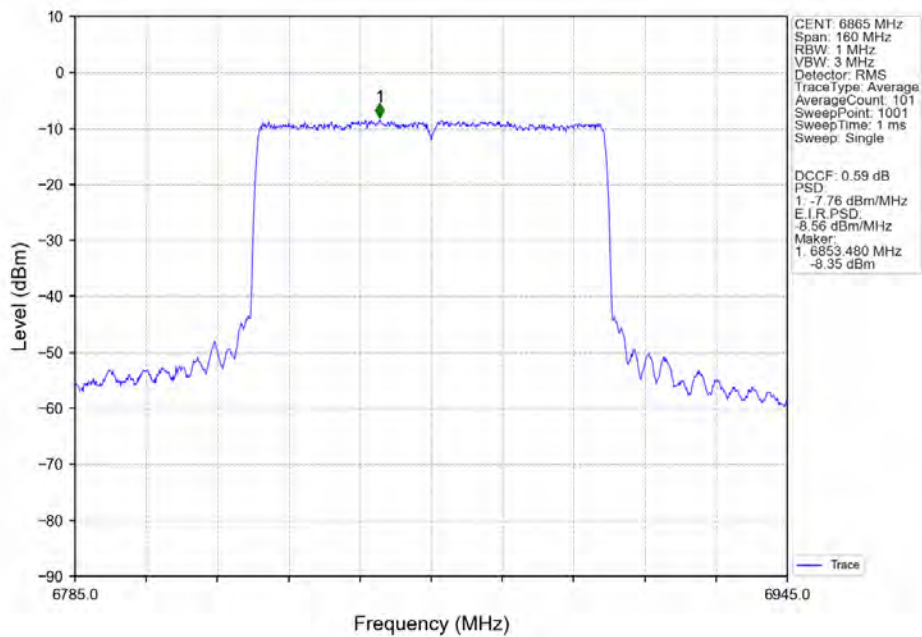
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802.11ax(HEW80)_HCH_6865MHz_SU_/_Ant4_NTNV



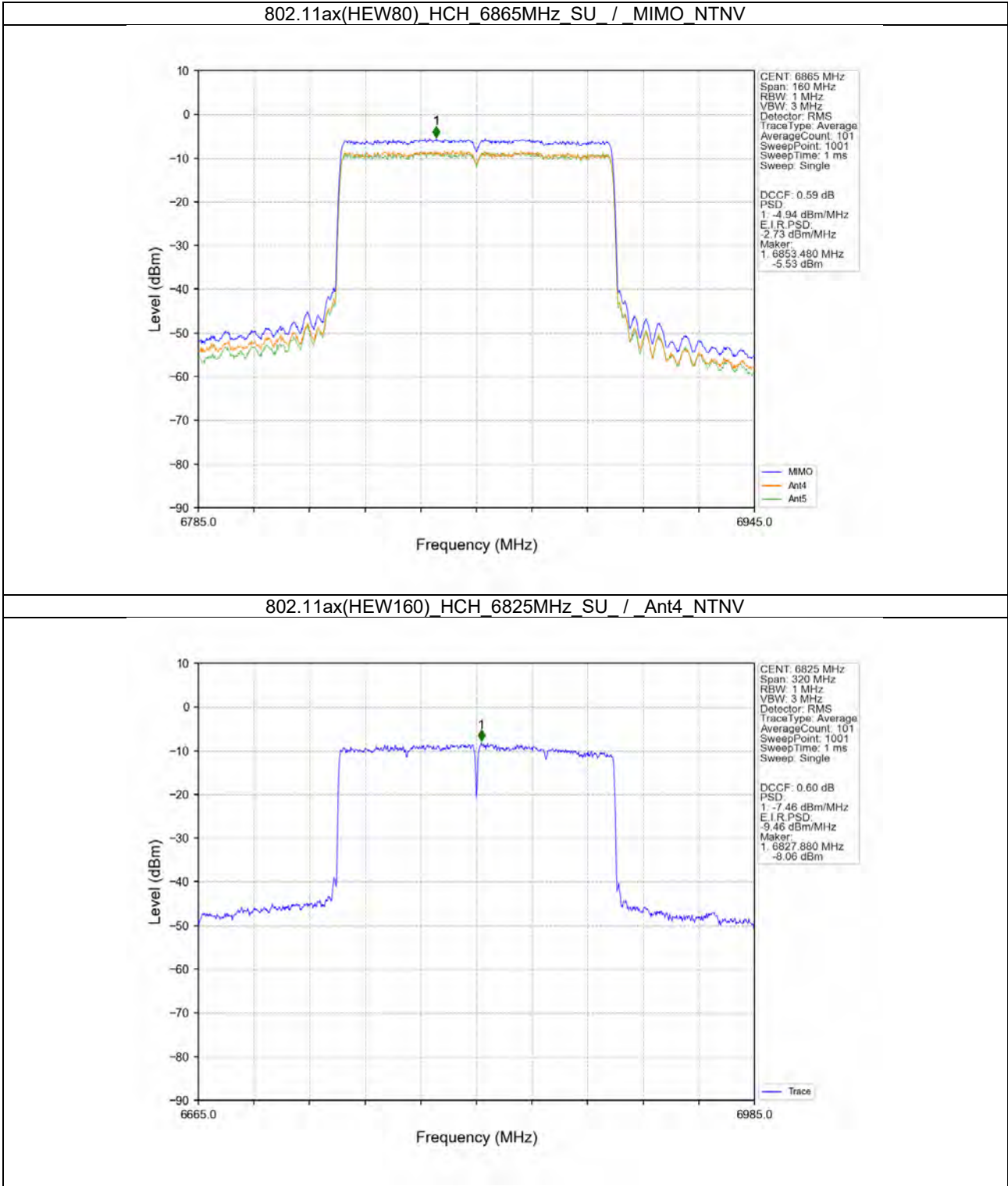
802.11ax(HEW80)_HCH_6865MHz_SU_/_Ant5_NTNV





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

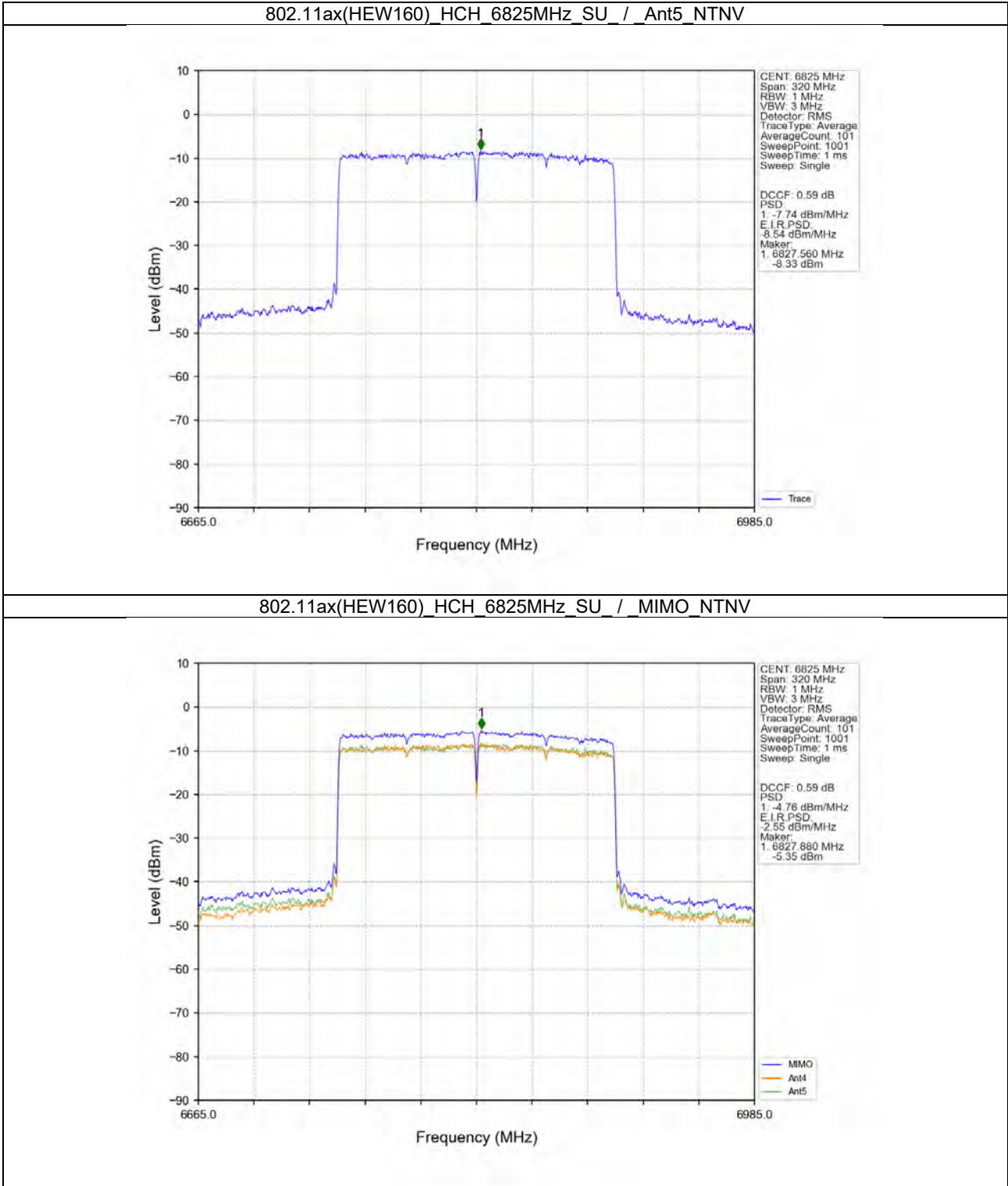
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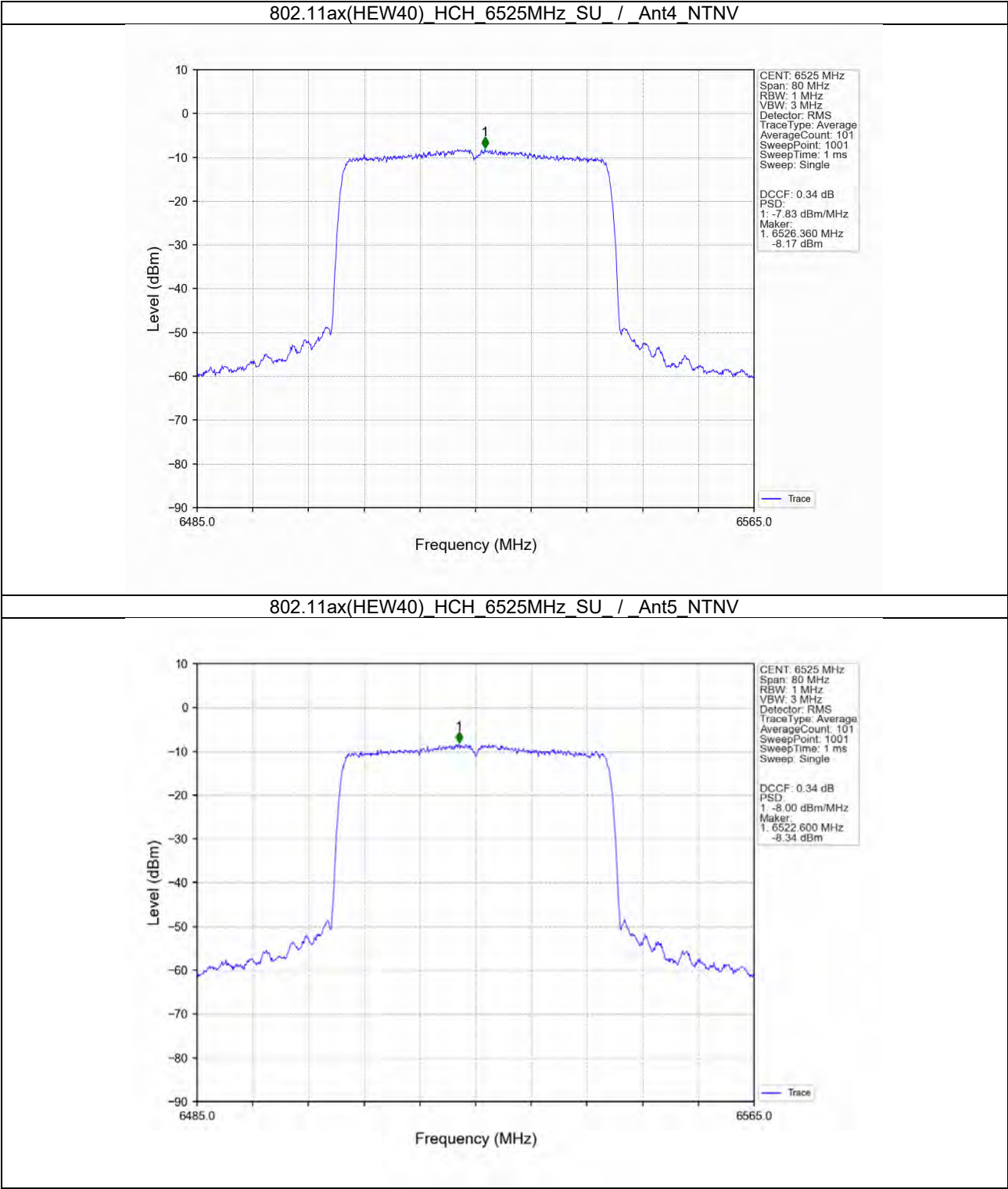




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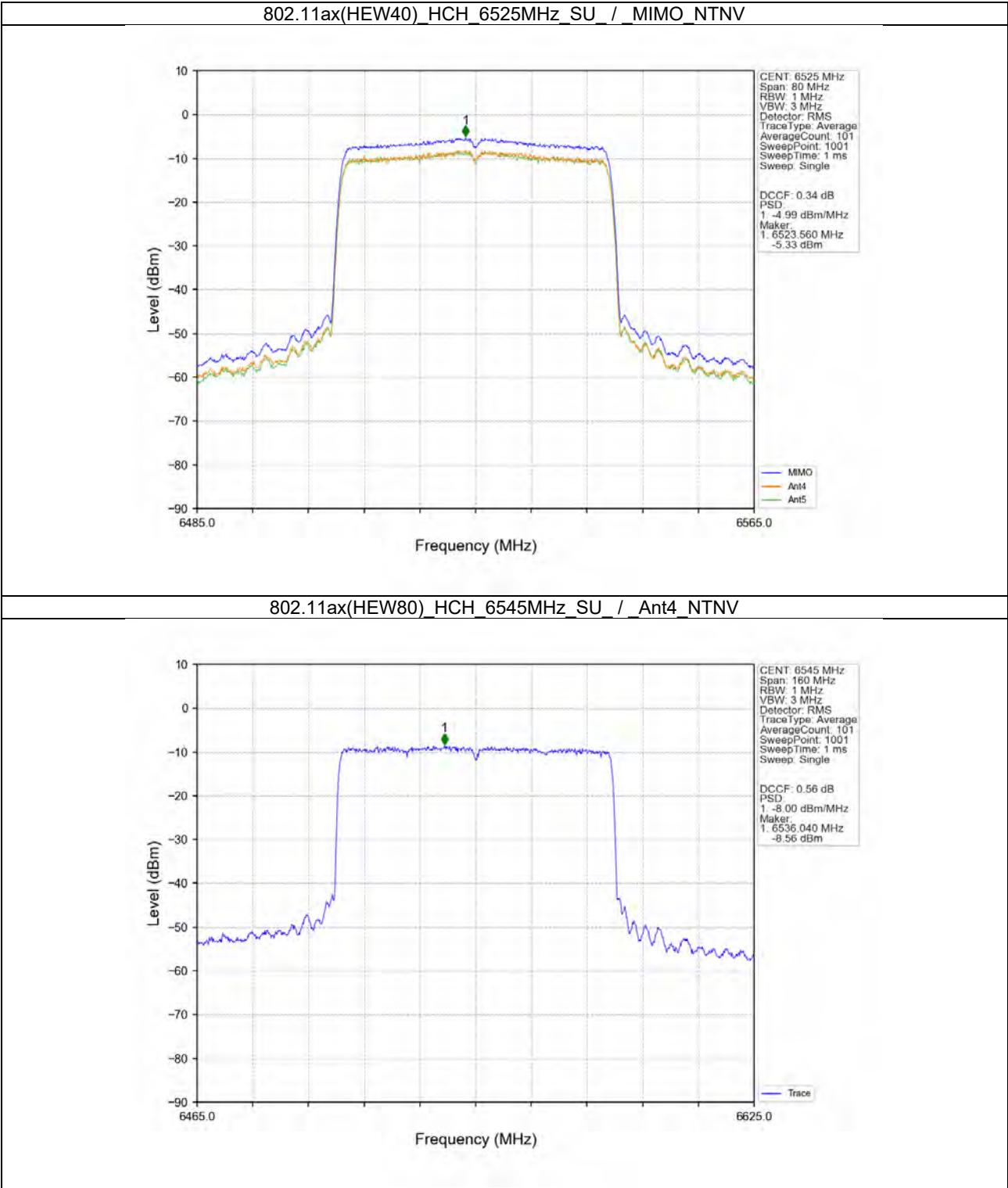
4.2.11 PSD





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

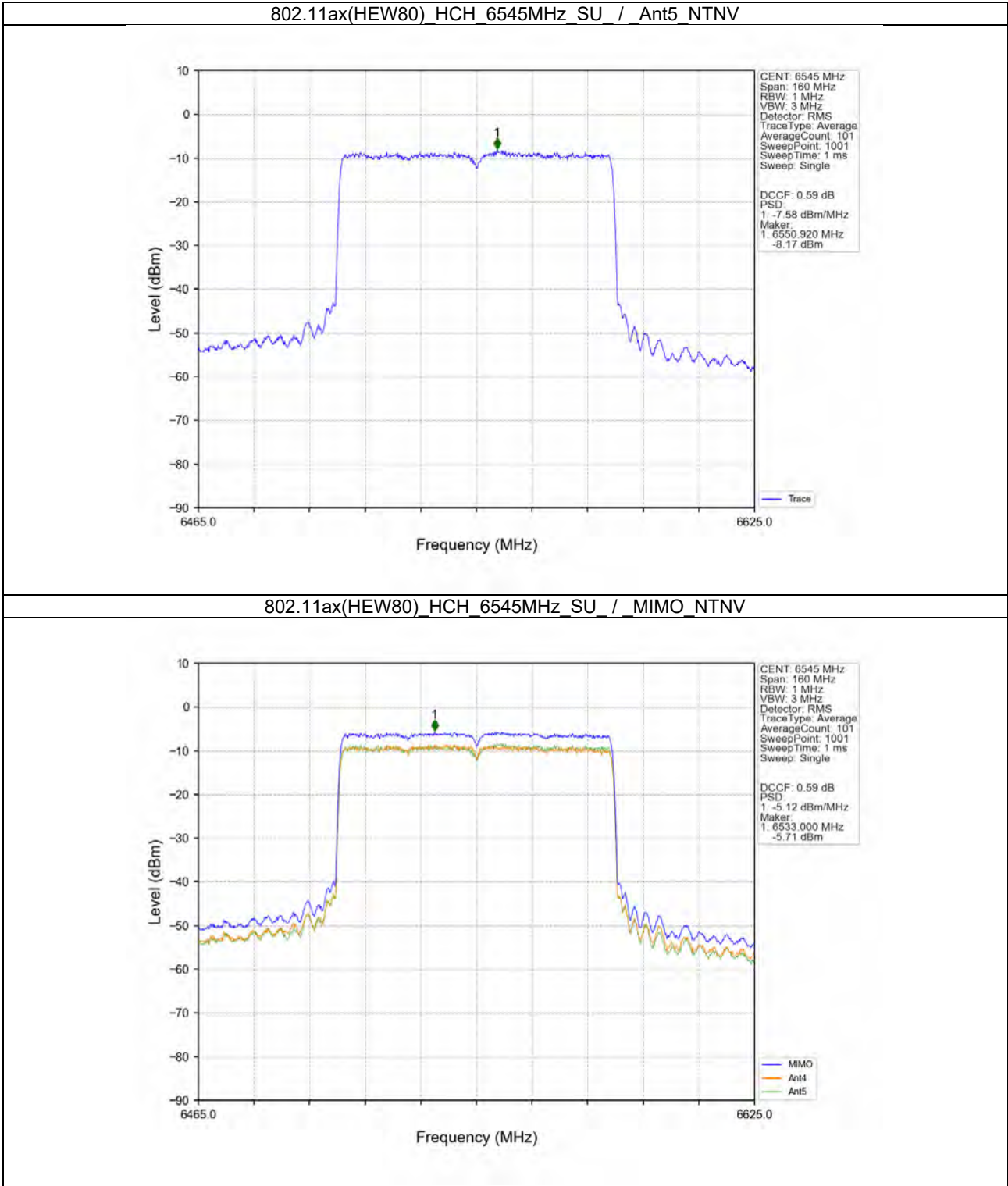
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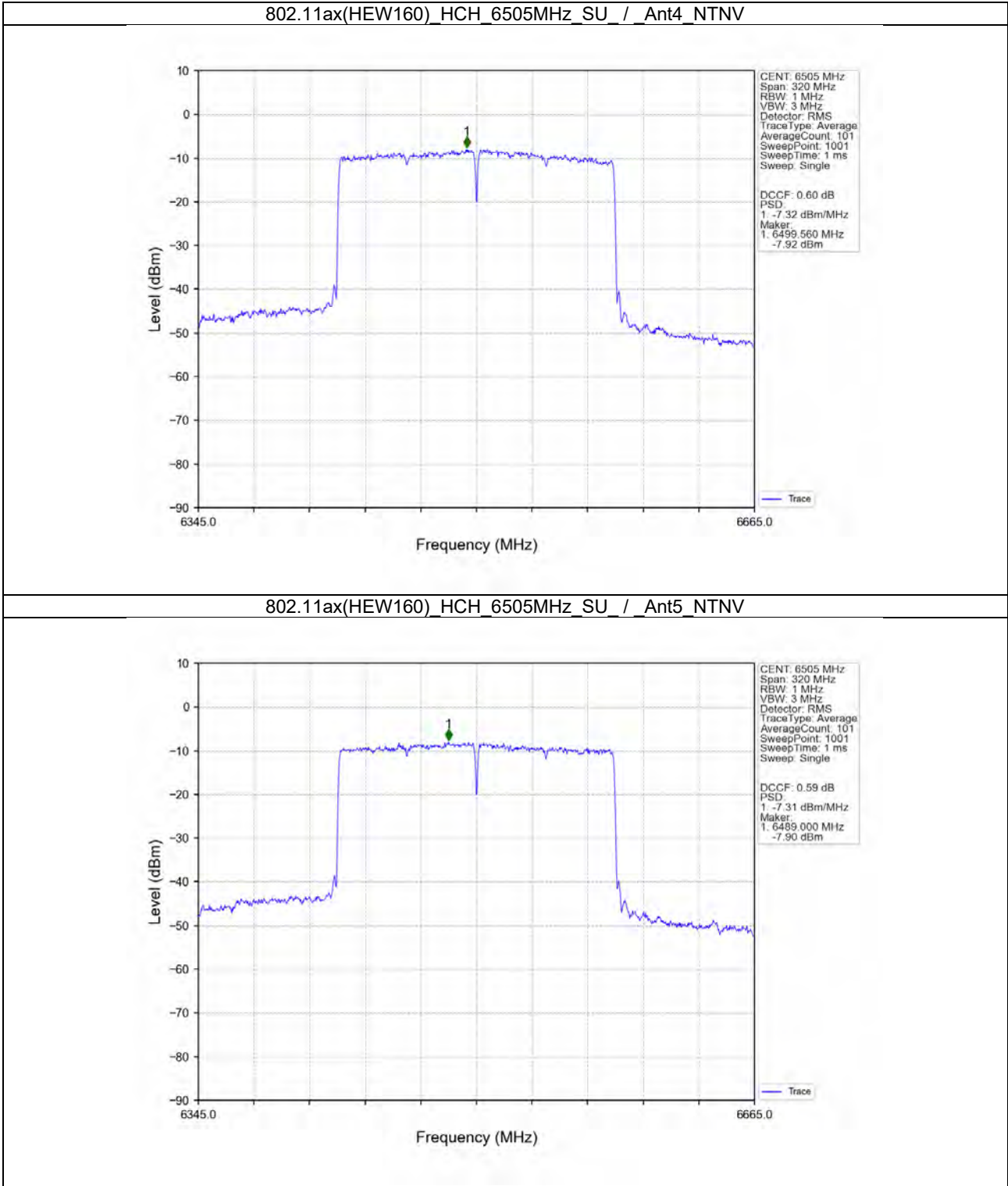
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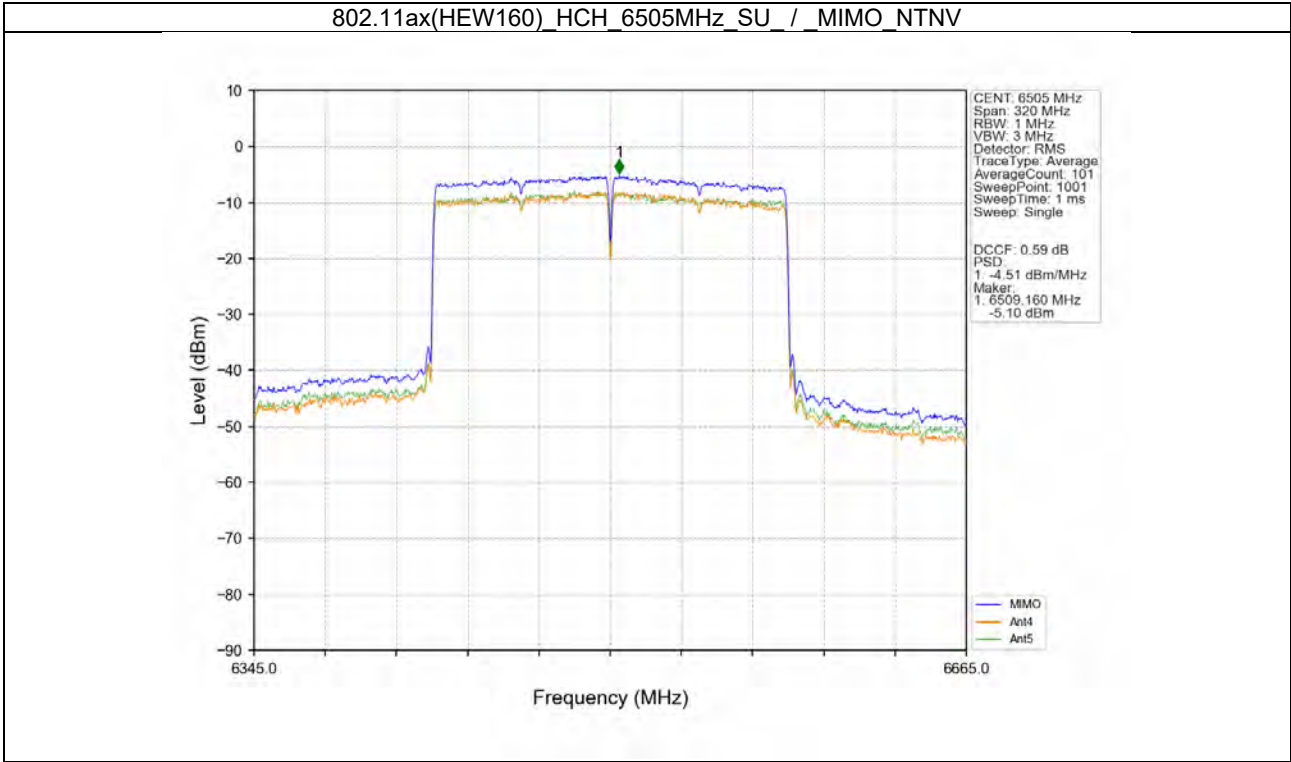
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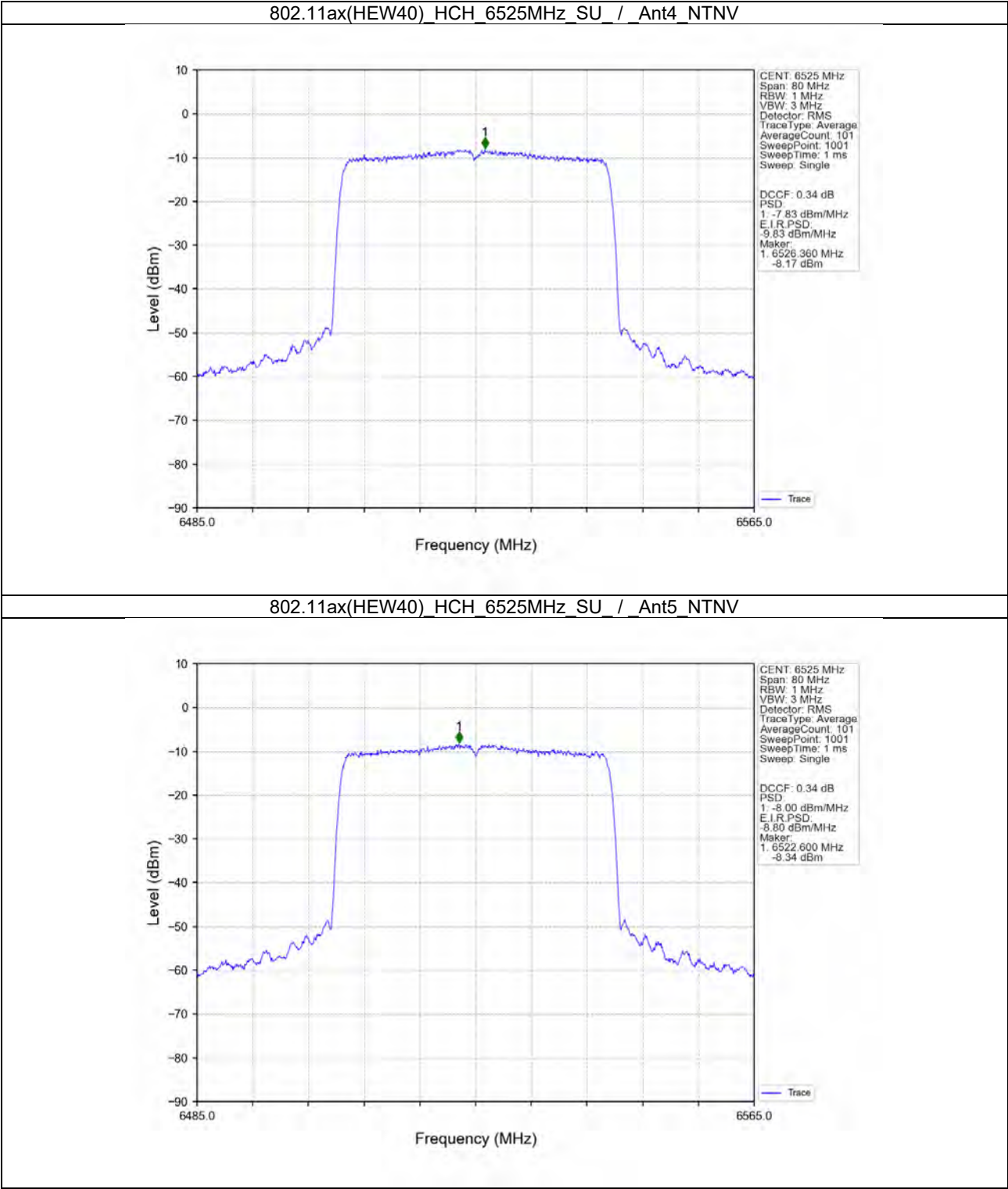




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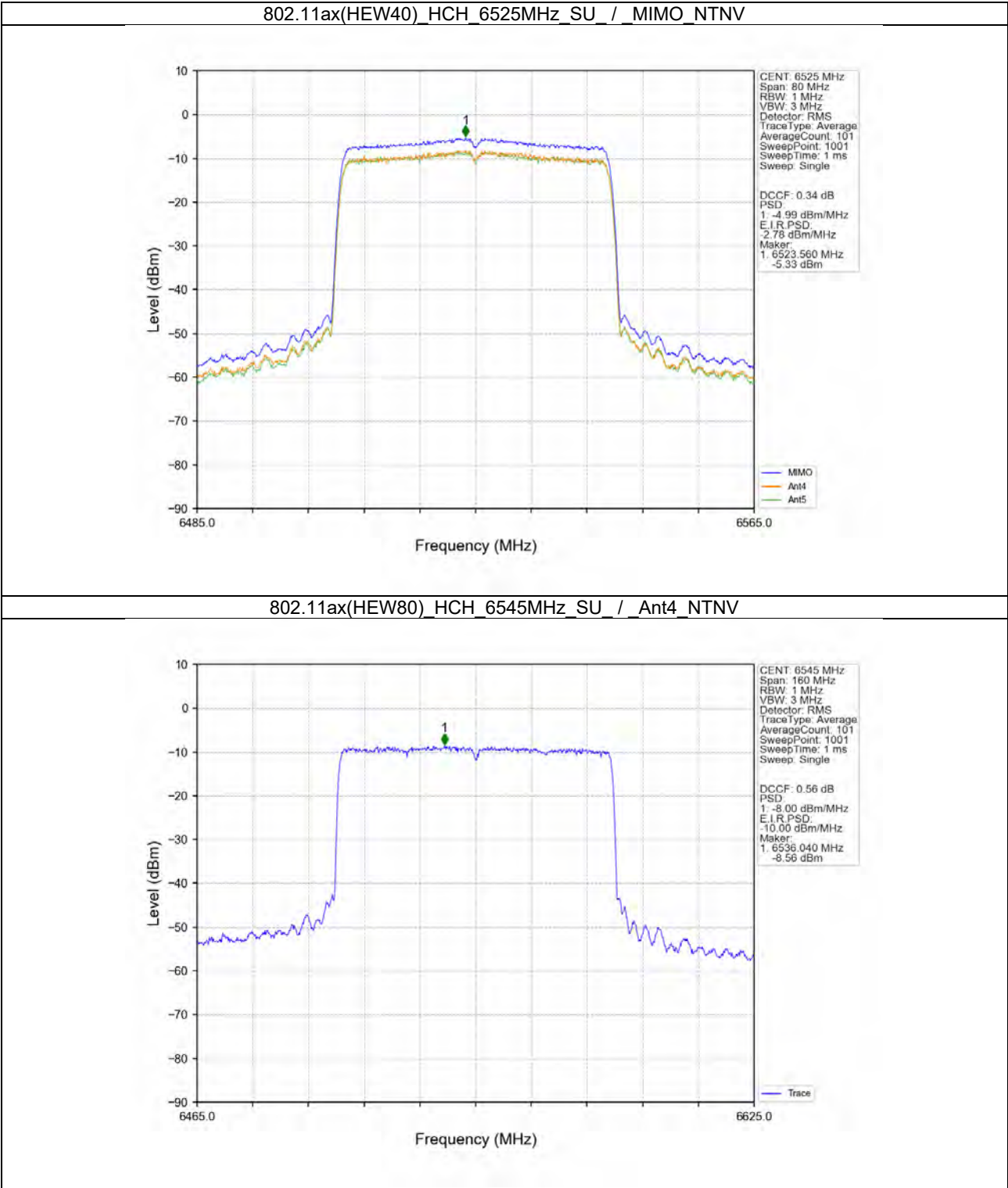
4.2.12 E.I.R.PSD





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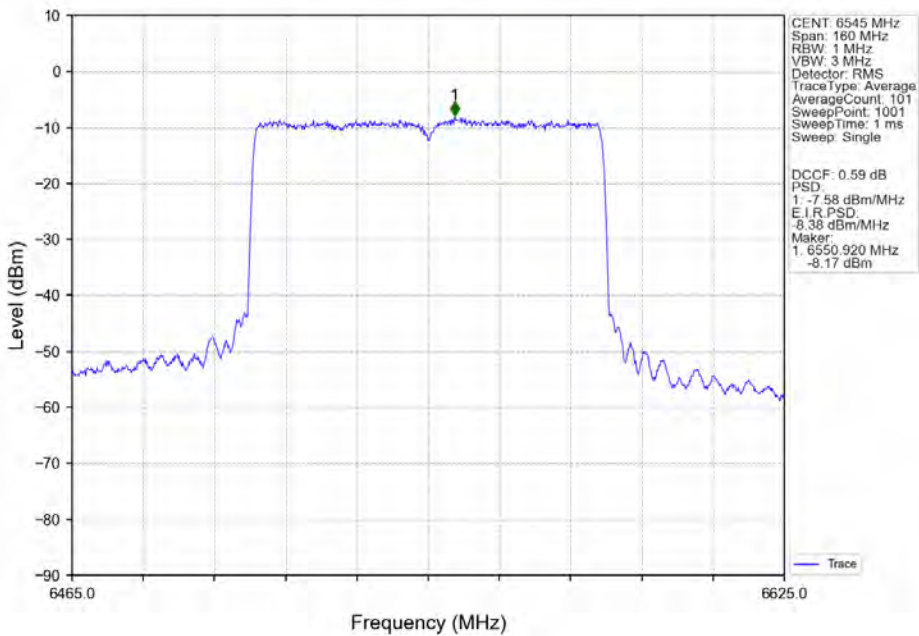




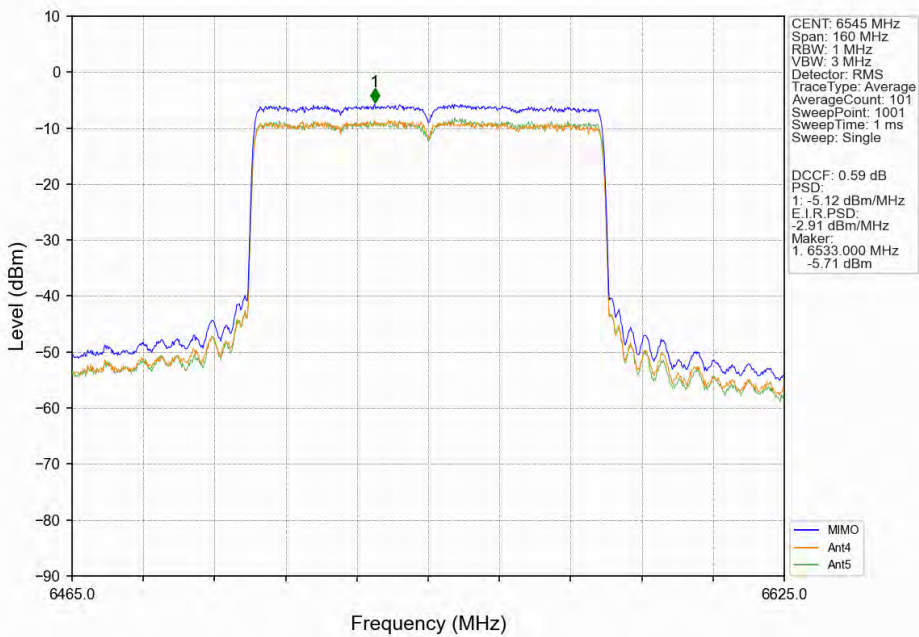
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802.11ax(HEW80)_HCH_6545MHz_SU_/_Ant5_NTNV



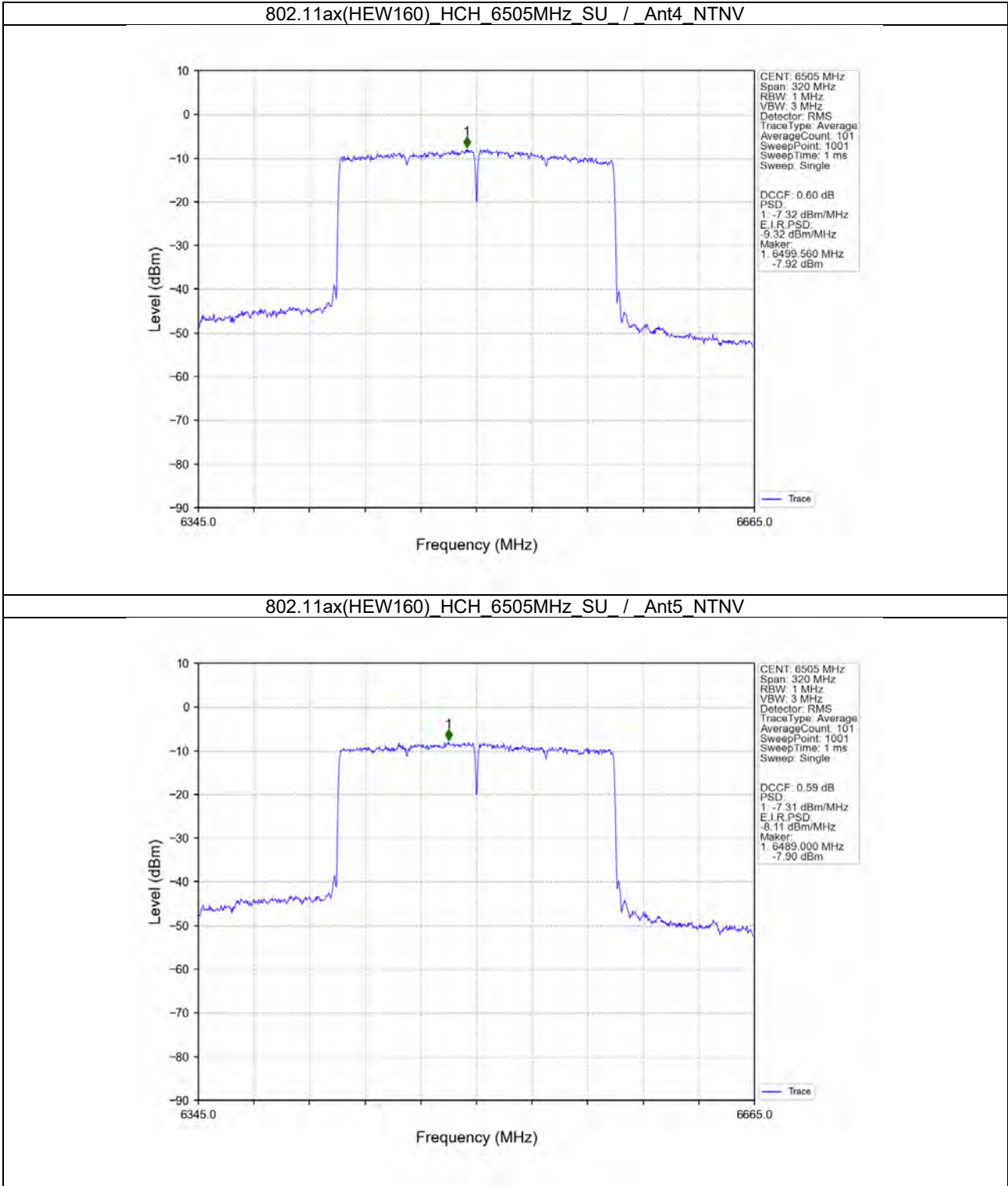
802.11ax(HEW80)_HCH_6545MHz_SU_/_MIMO_NTNV





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

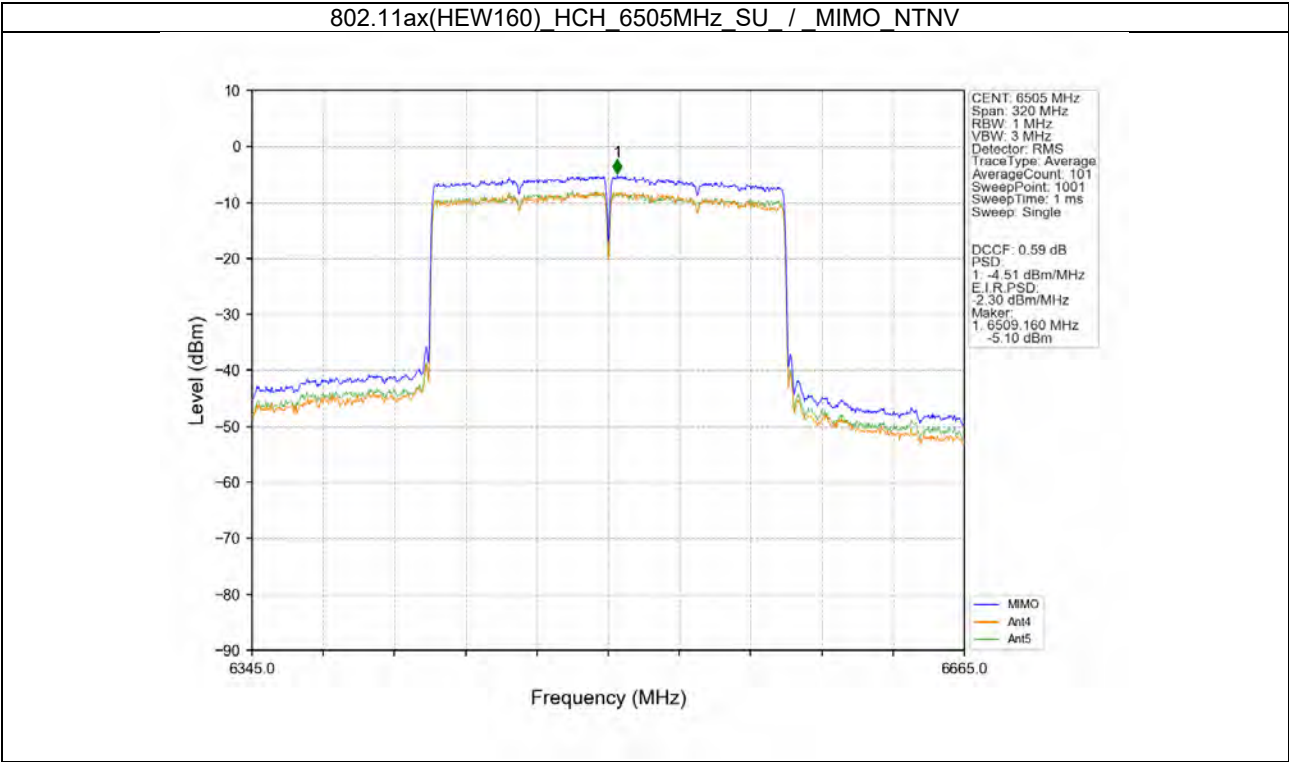
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5. Emission Mask

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	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6175	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6415	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW20)	MIMO	5955	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6175	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6415	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6165	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6405	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6145	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6385	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6185	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6345	SU	/	4	Refer To Test Graph		Pass
						5	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	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6475	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6515	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW20)	MIMO	6435	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6475	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6515	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW40)	MIMO	6445	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass



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			6485	SU	/	4	Refer To Test Graph	Pass
						5	Refer To Test Graph	Pass
	802.11ax (HEW80)	MIMO	6465	SU	/	4	Refer To Test Graph	Pass
						5	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	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6695	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6855	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW20)	MIMO	6535	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6695	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6855	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW40)	MIMO	6565	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6685	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6845	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW80)	MIMO	6625	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6705	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6785	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW160)	MIMO	6665	SU	/	4	Refer To Test Graph		Pass
						5	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	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6995	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			7115	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW20)	MIMO	6895	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			6995	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			7115	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW40)	MIMO	6925	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			7005	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
			7085	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax	MIMO	6945	SU	/	4	Refer To Test Graph		Pass



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	(HEW80)					5	Refer To Test Graph	Pass
			7025	SU	/	4	Refer To Test Graph	Pass
						5	Refer To Test Graph	Pass
	802.11ax (HEW160)	MIMO	6985	SU	/	4	Refer To Test Graph	Pass
						5	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	/	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW20)	MIMO	6875	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW40)	MIMO	6885	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW80)	MIMO	6865	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW160)	MIMO	6825	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass

5.1.6 EMask

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Test Result	Limit	Verdict
NTNV	802.11ax (HEW40)	MIMO	6525	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW80)	MIMO	6545	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass
	802.11ax (HEW160)	MIMO	6505	SU	/	4	Refer To Test Graph		Pass
						5	Refer To Test Graph		Pass

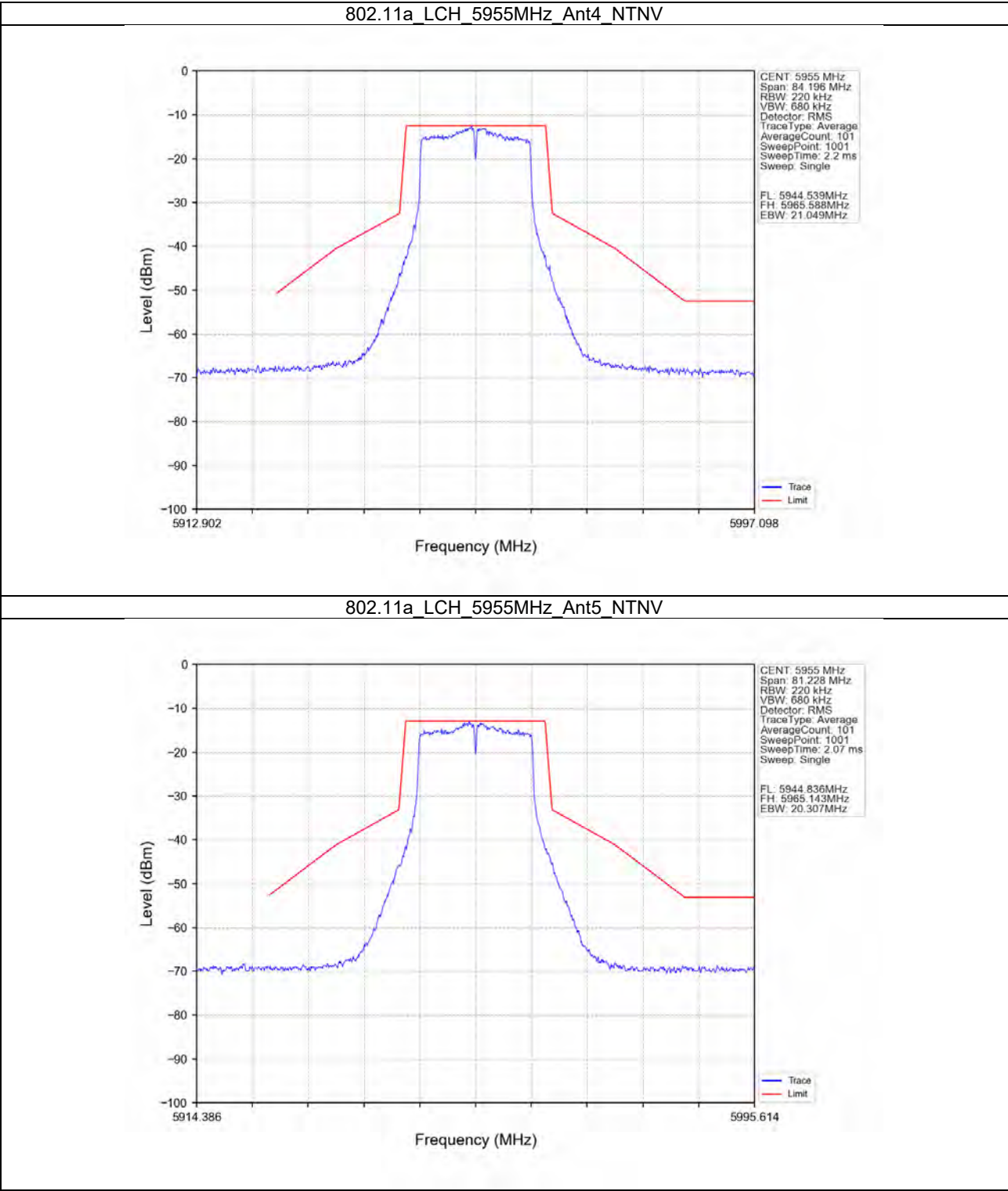


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5.2 Test Graph

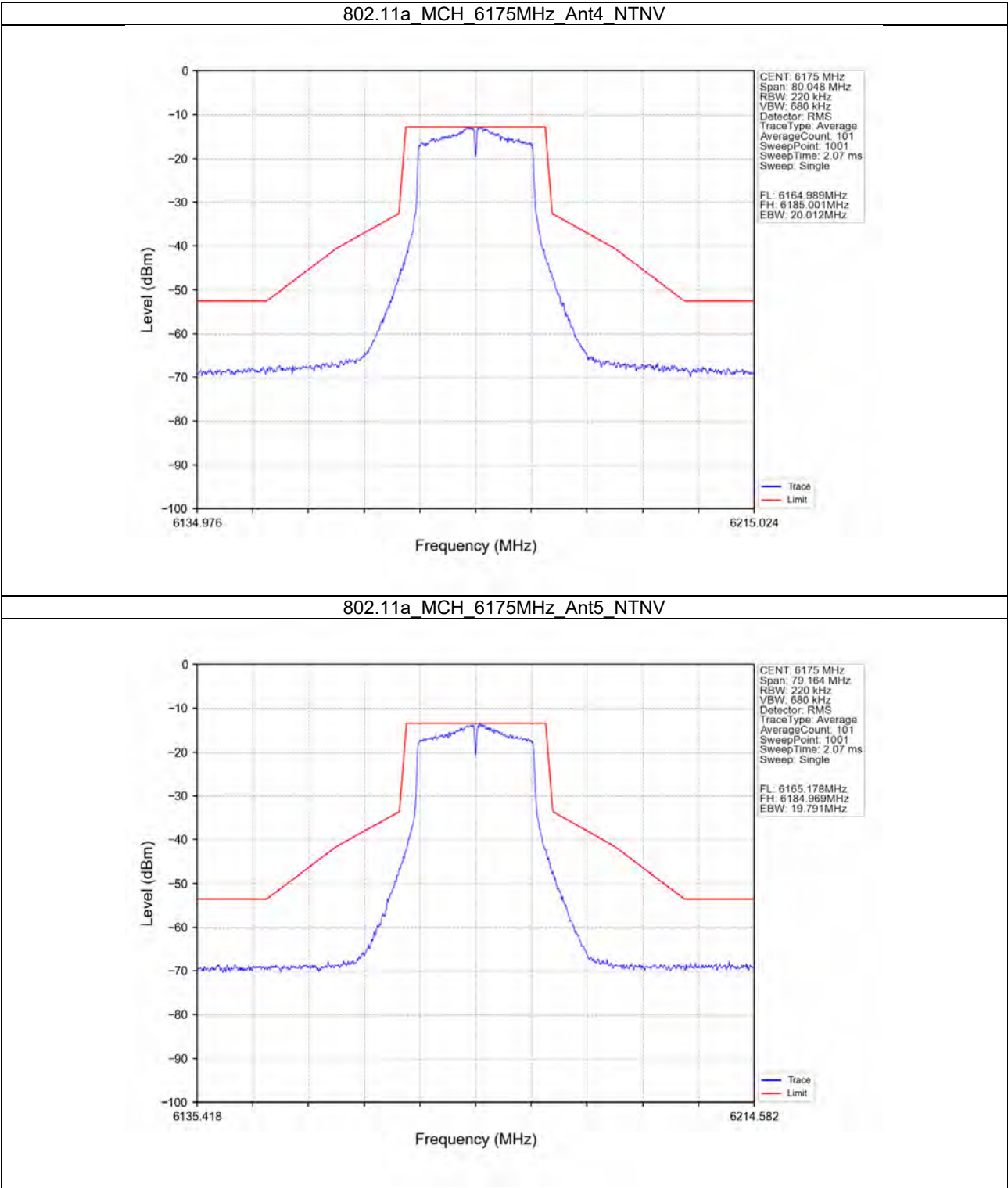
5.2.1 EMask





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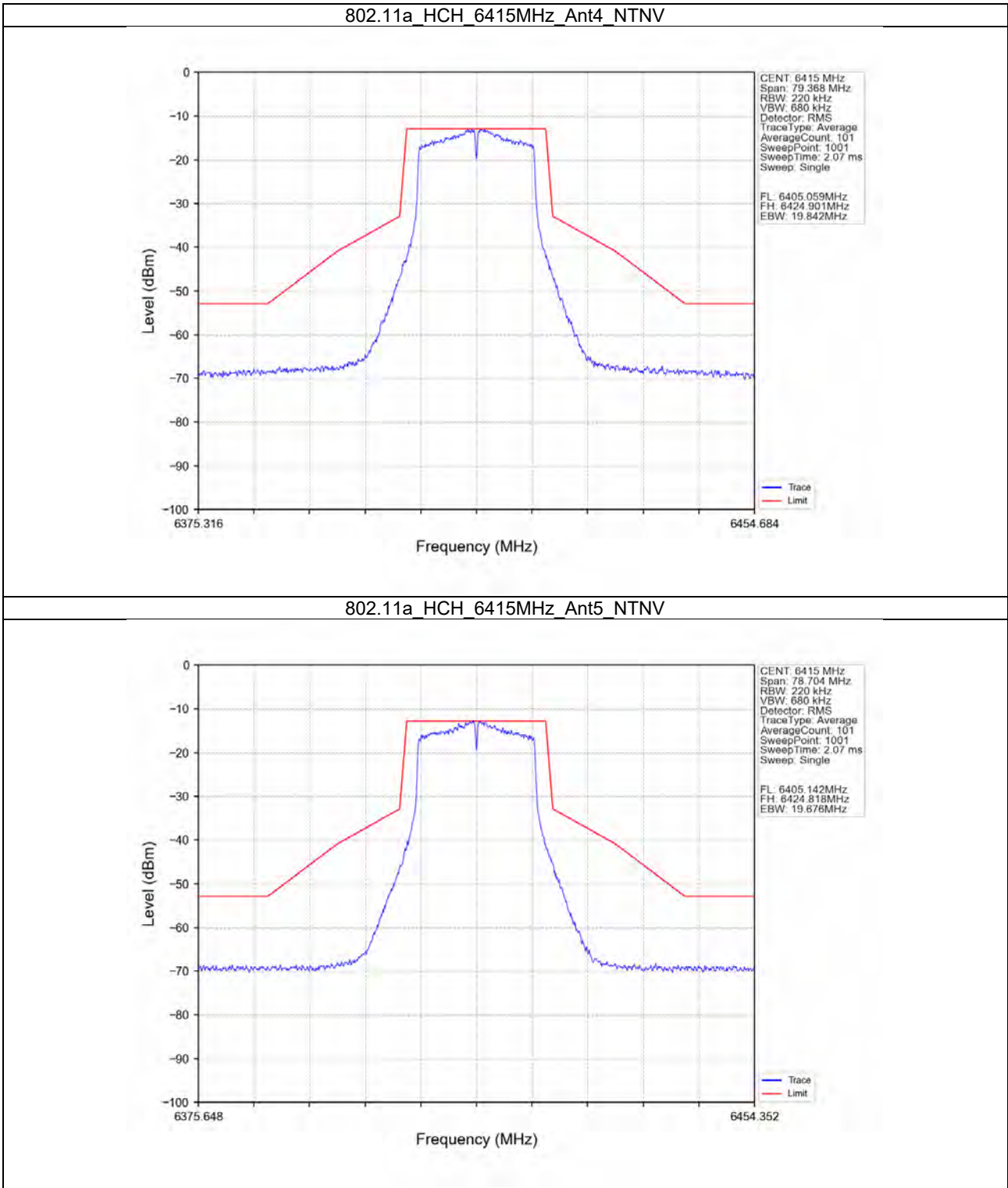
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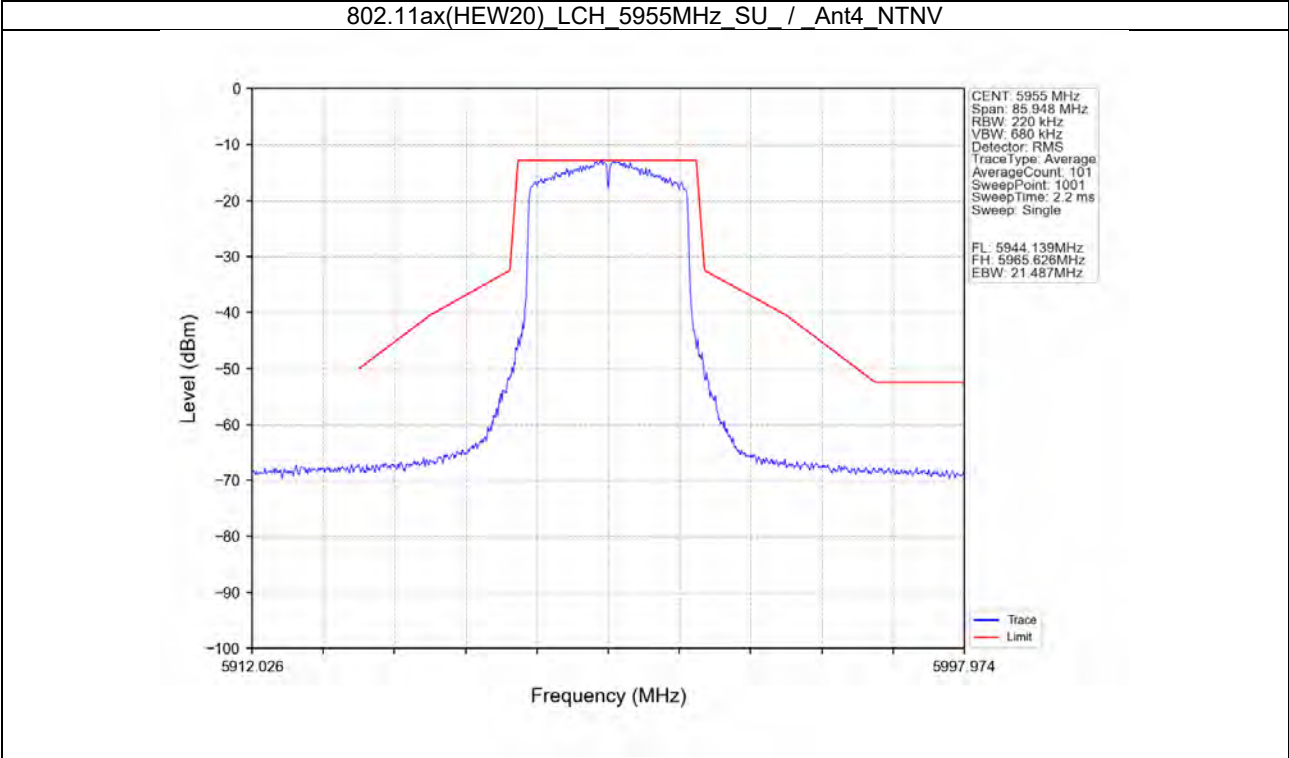




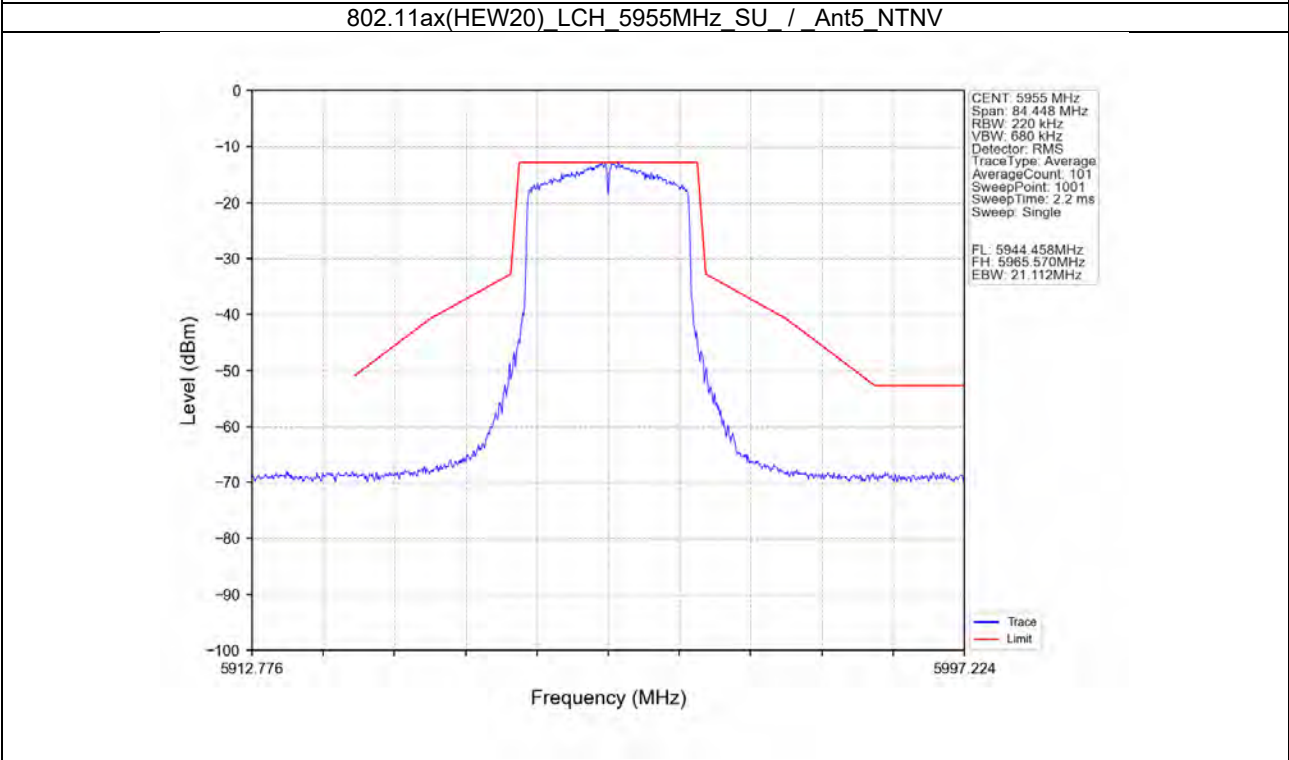
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802.11ax(HEW20)_LCH_5955MHz_SU_/_Ant4_NTNV



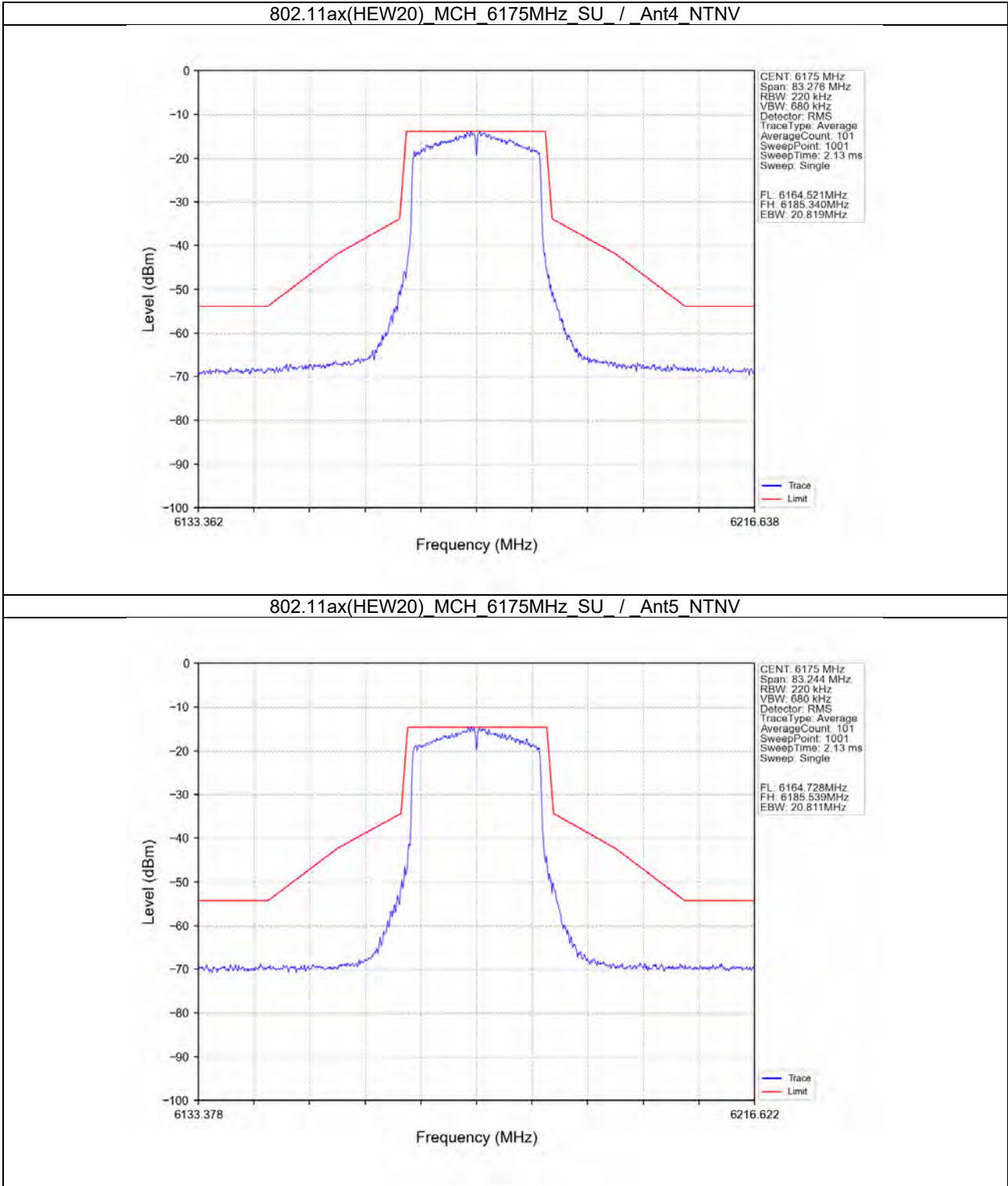
802.11ax(HEW20)_LCH_5955MHz_SU_/_Ant5_NTNV





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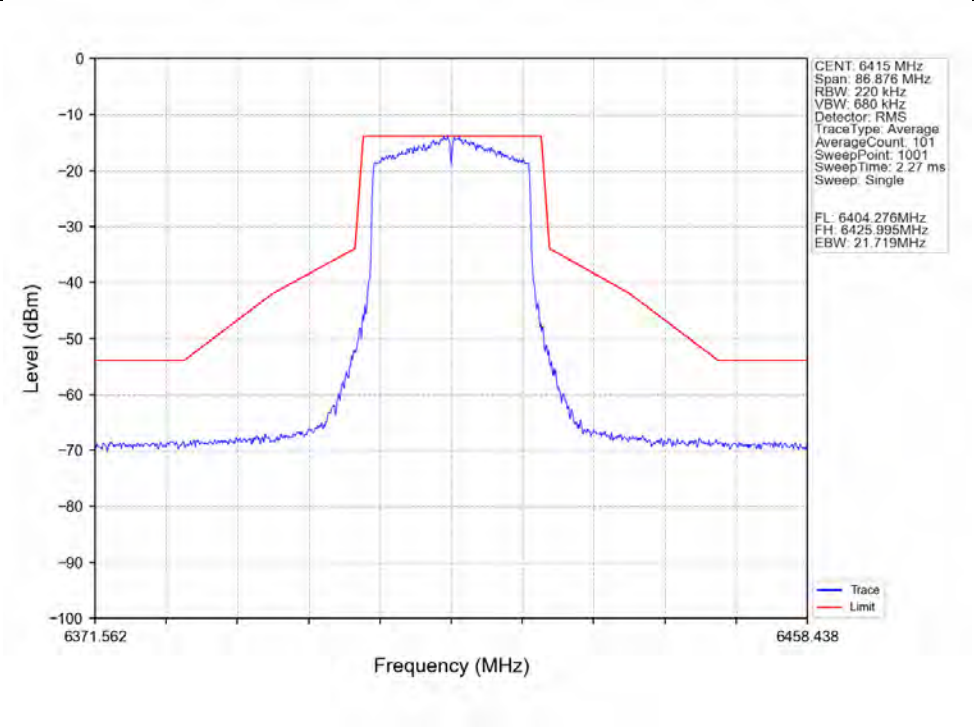




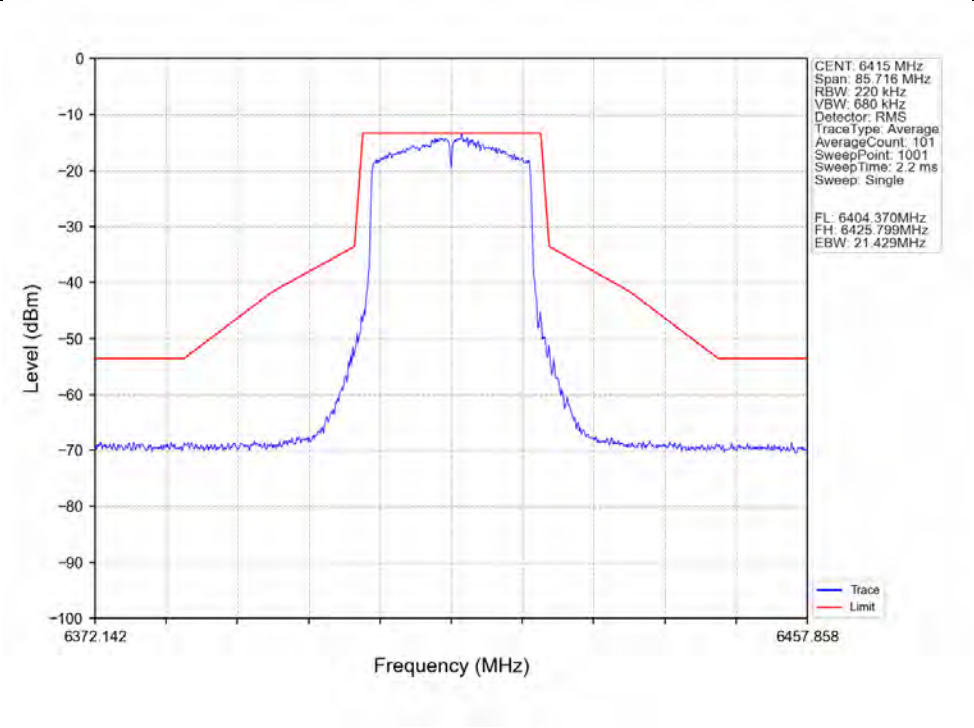
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802.11ax(HEW20)_HCH_6415MHz_SU_/_Ant4_NTNV



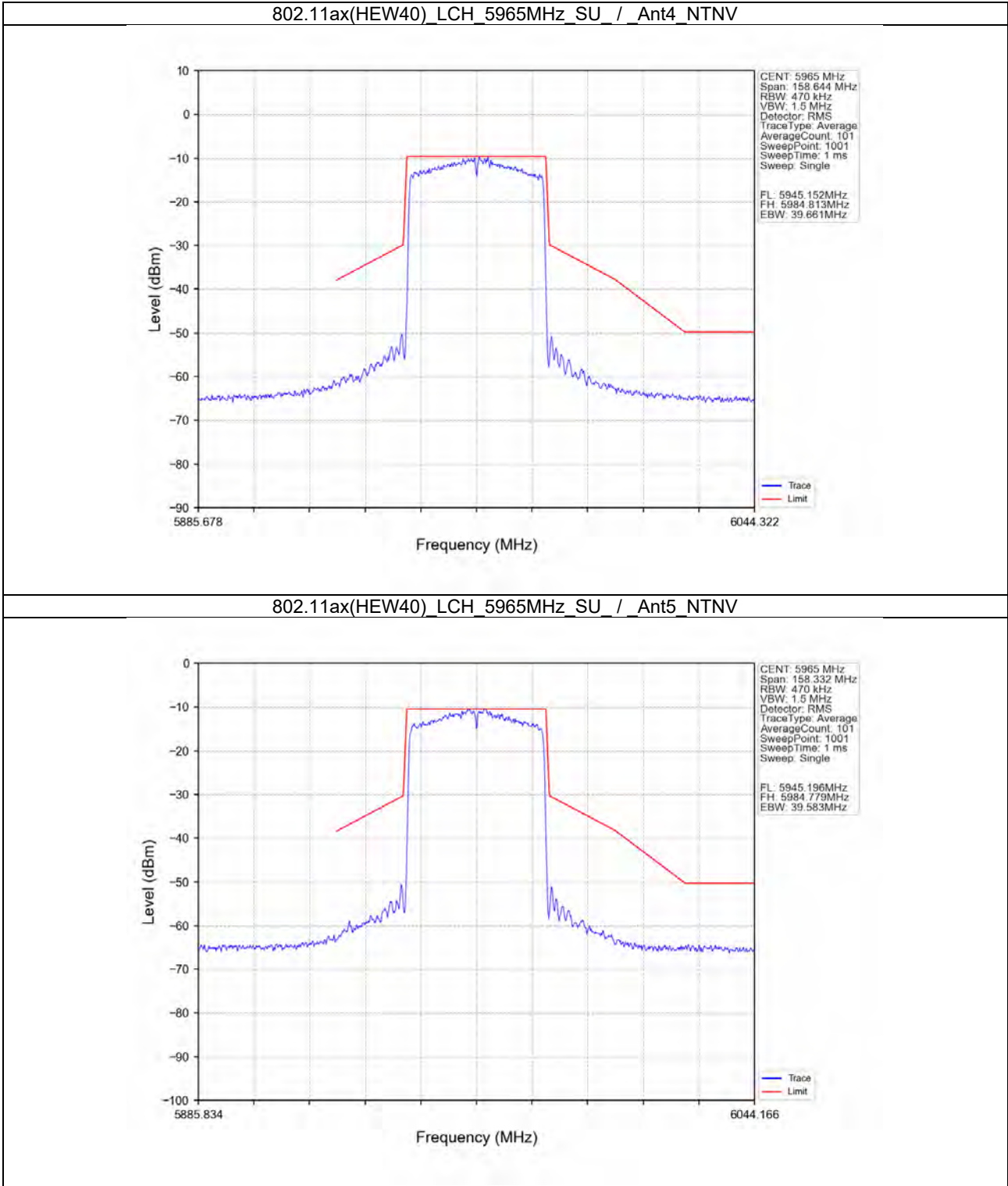
802.11ax(HEW20)_HCH_6415MHz_SU_/_Ant5_NTNV





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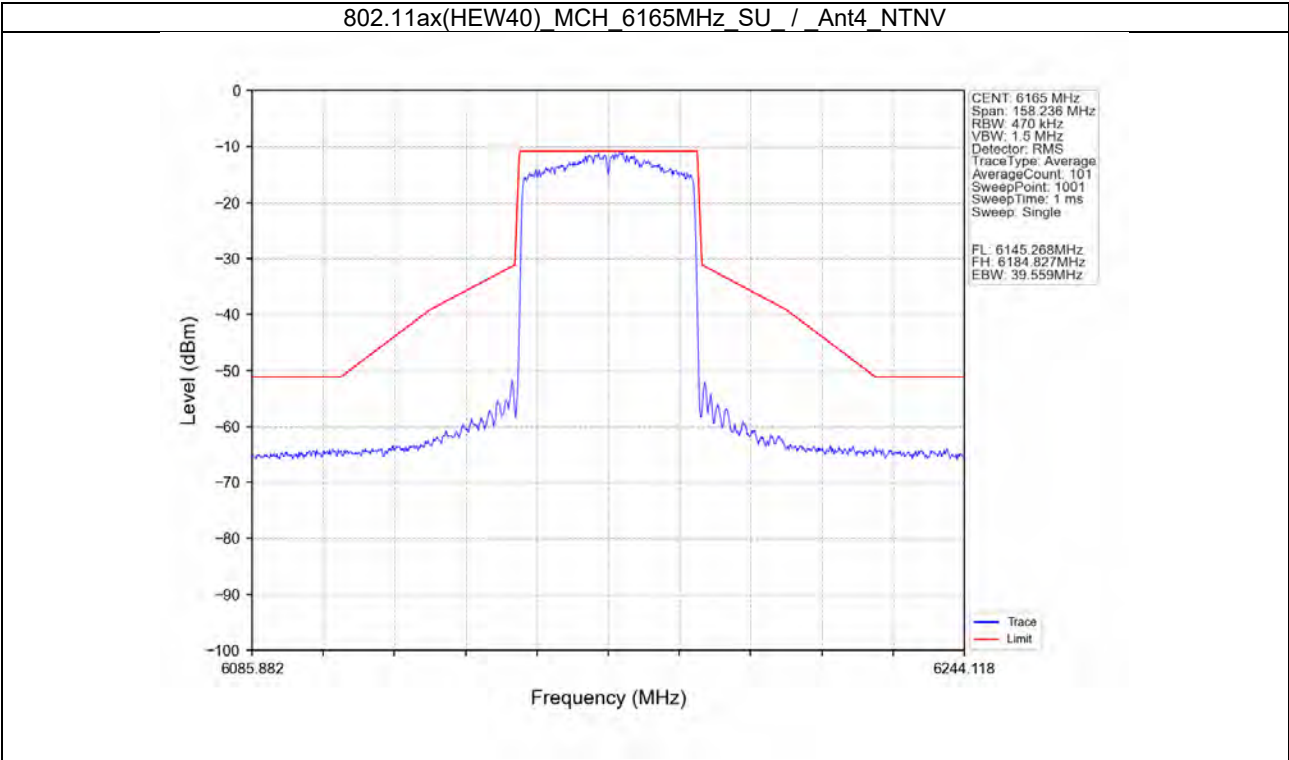




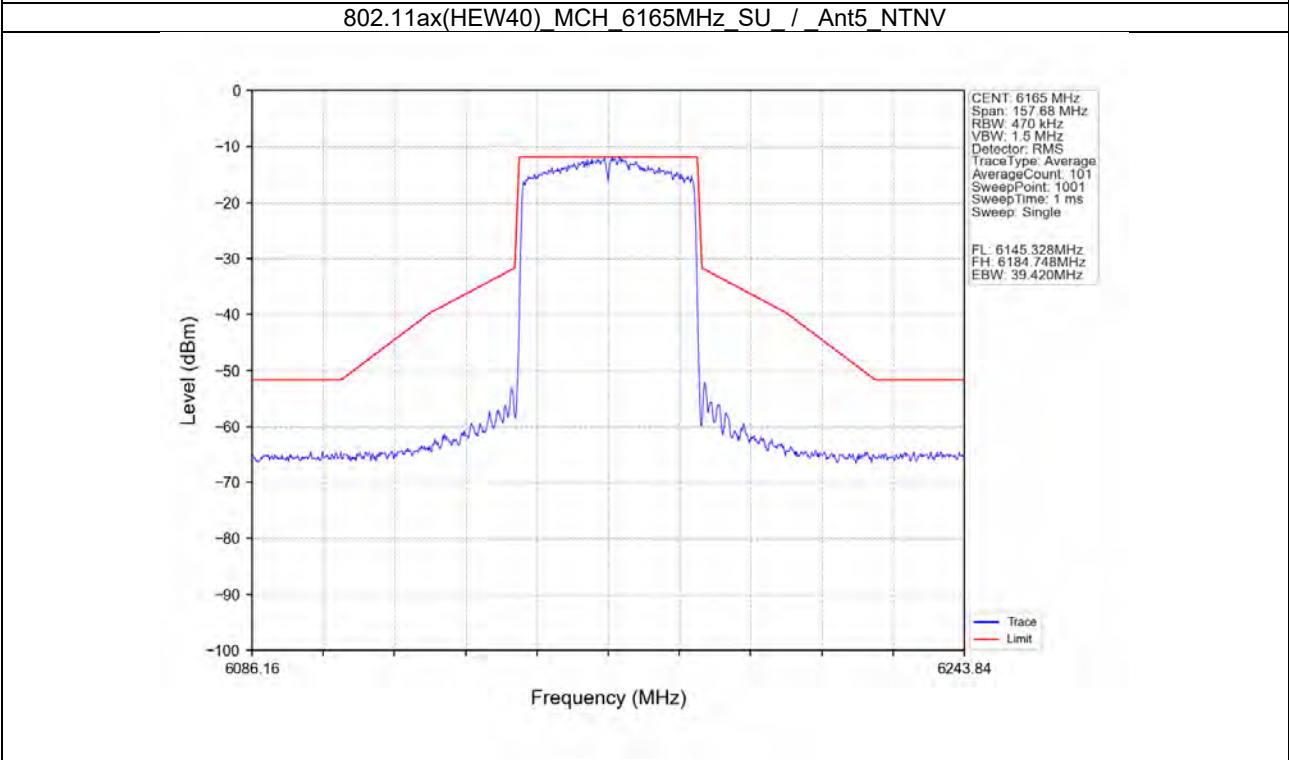
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802.11ax(HEW40)_MCH_6165MHz_SU_/_Ant4_NTNV



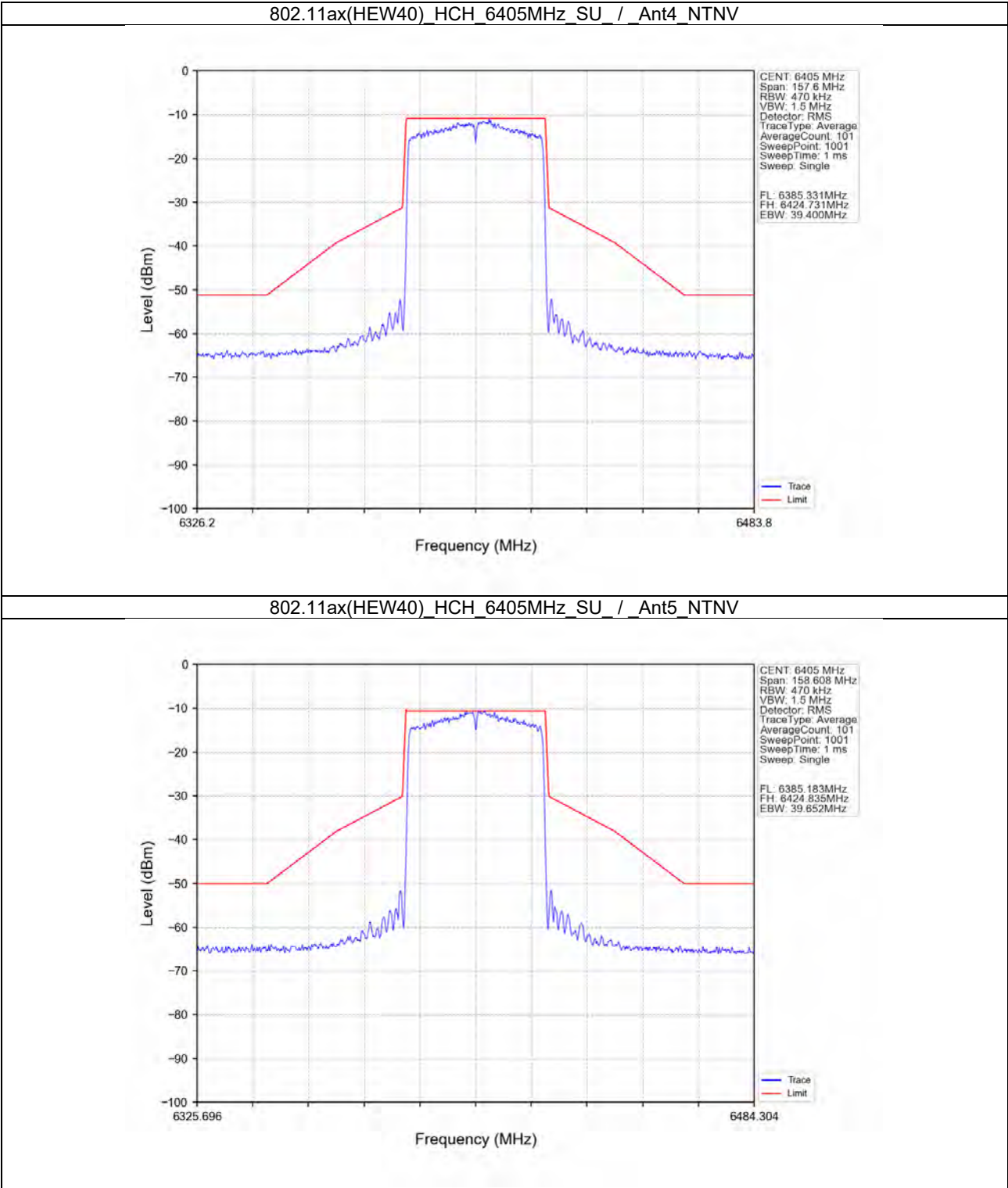
802.11ax(HEW40)_MCH_6165MHz_SU_/_Ant5_NTNV





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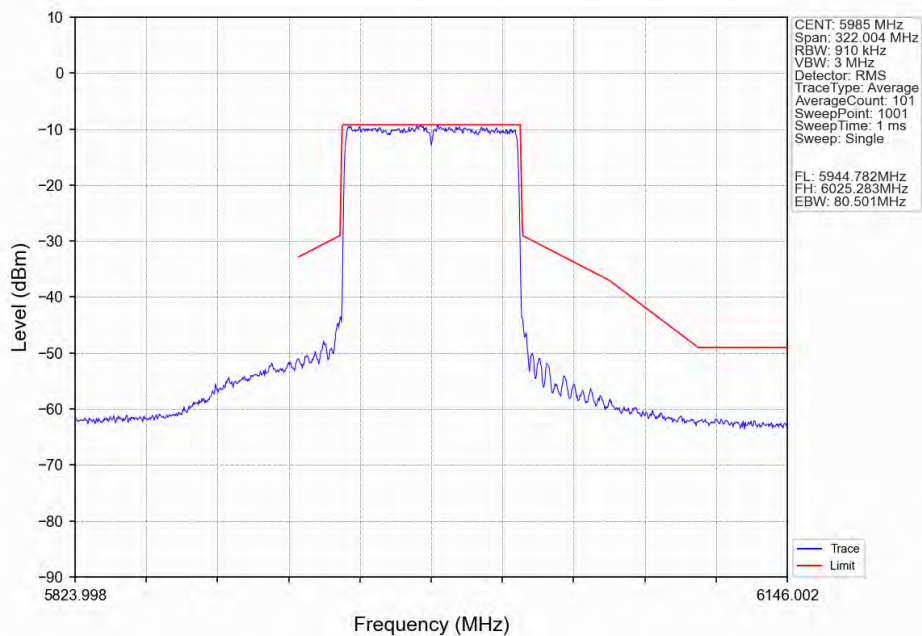




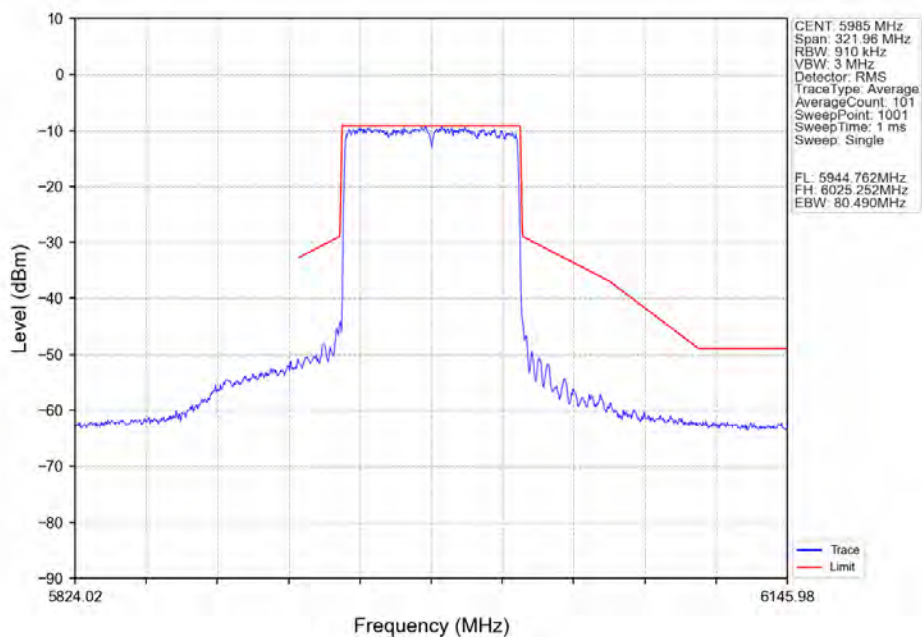
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802.11ax(HEW80)_LCH_5985MHz_SU_/_Ant4_NTNV



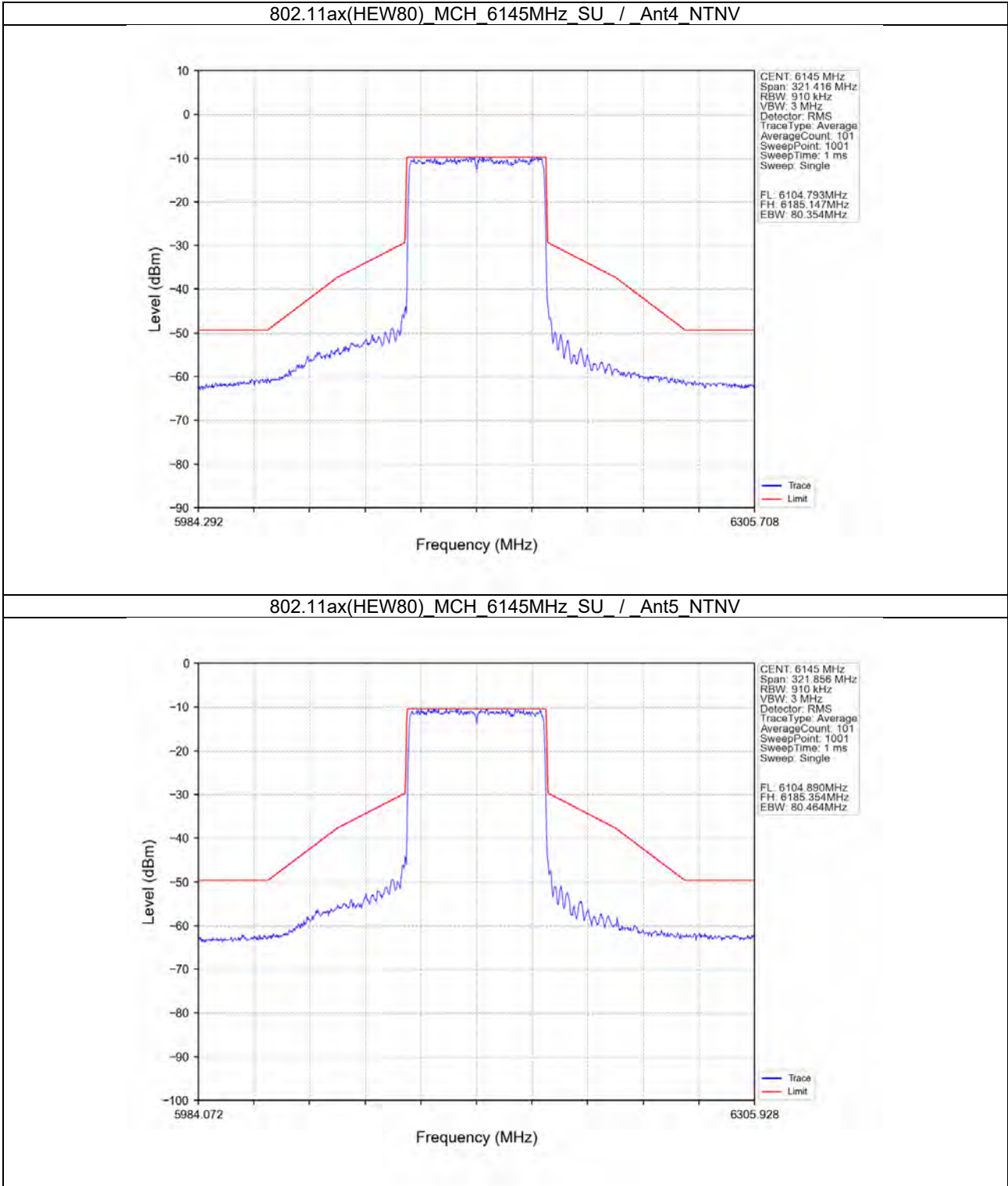
802.11ax(HEW80)_LCH_5985MHz_SU_/_Ant5_NTNV





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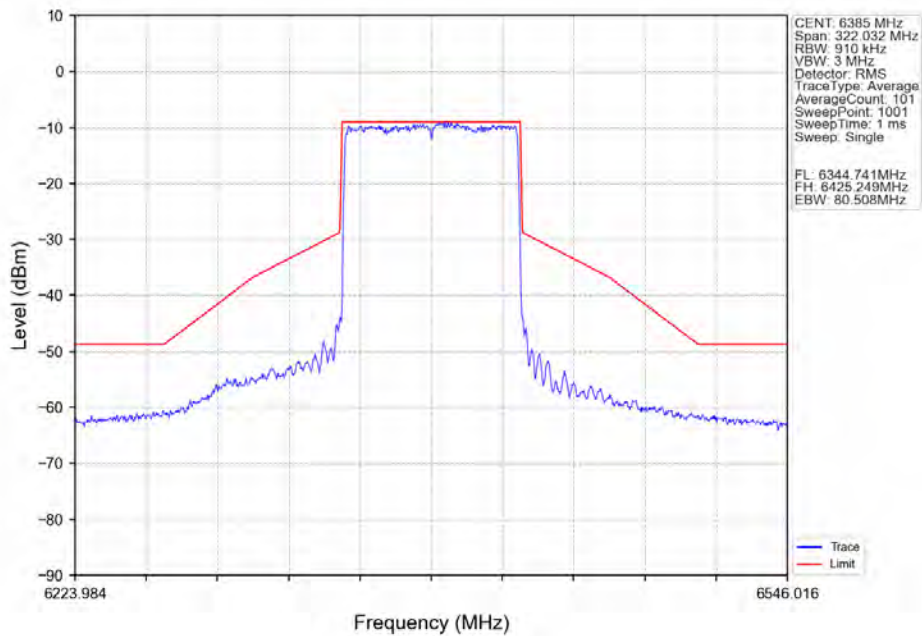




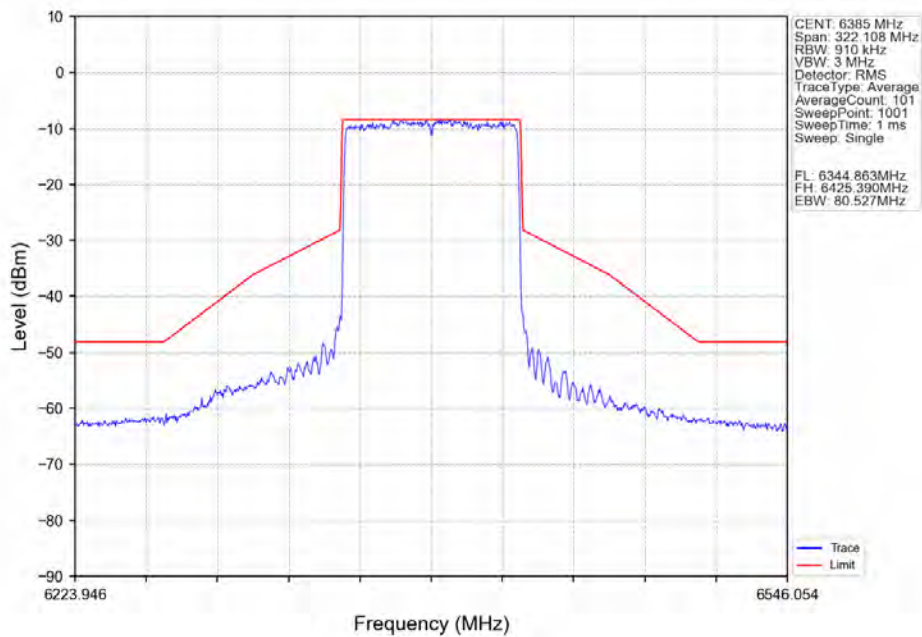
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802.11ax(HEW80)_HCH_6385MHz_SU_ / Ant4_NTNV



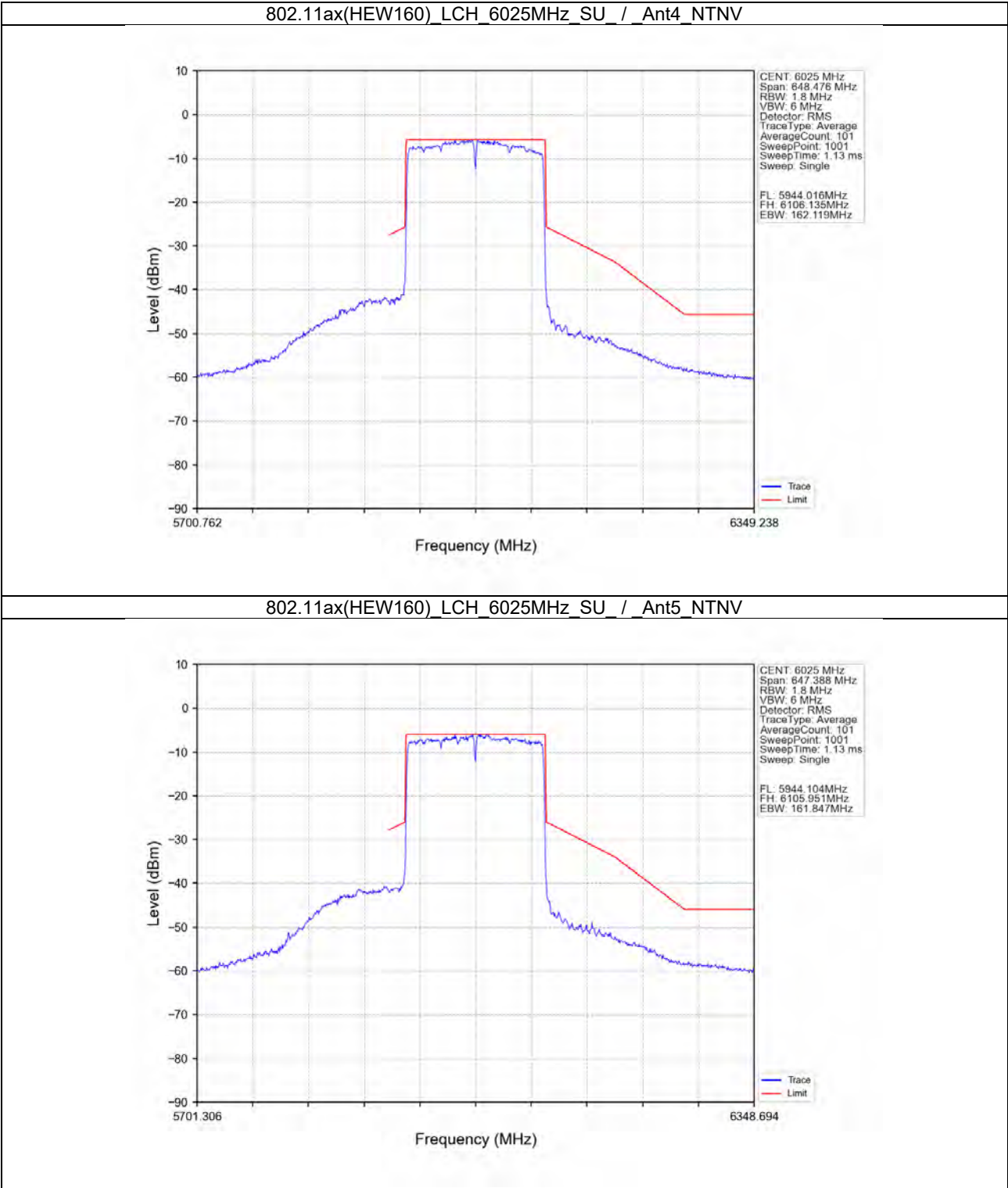
802.11ax(HEW80)_HCH_6385MHz_SU_ / Ant5_NTNV





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

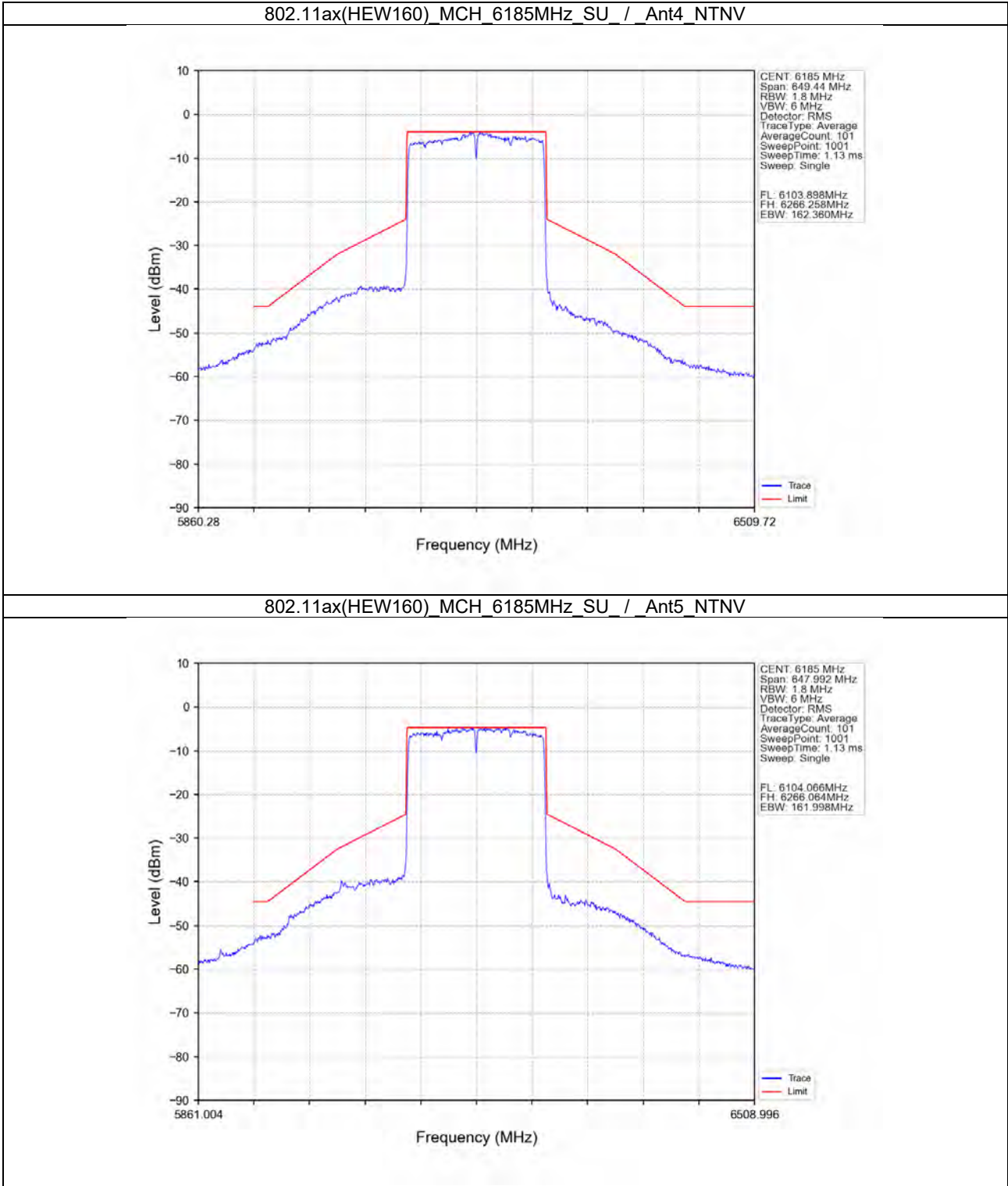
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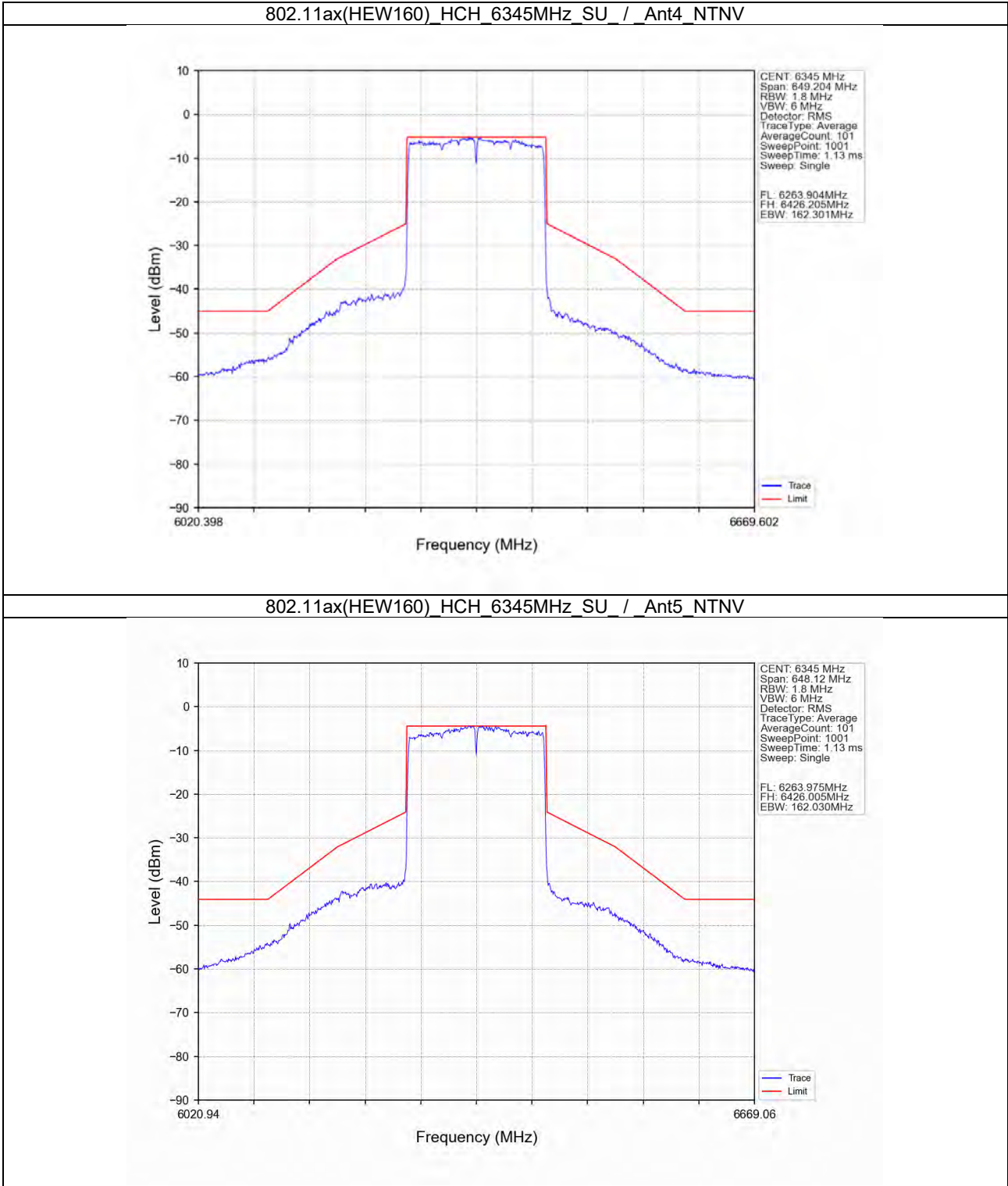
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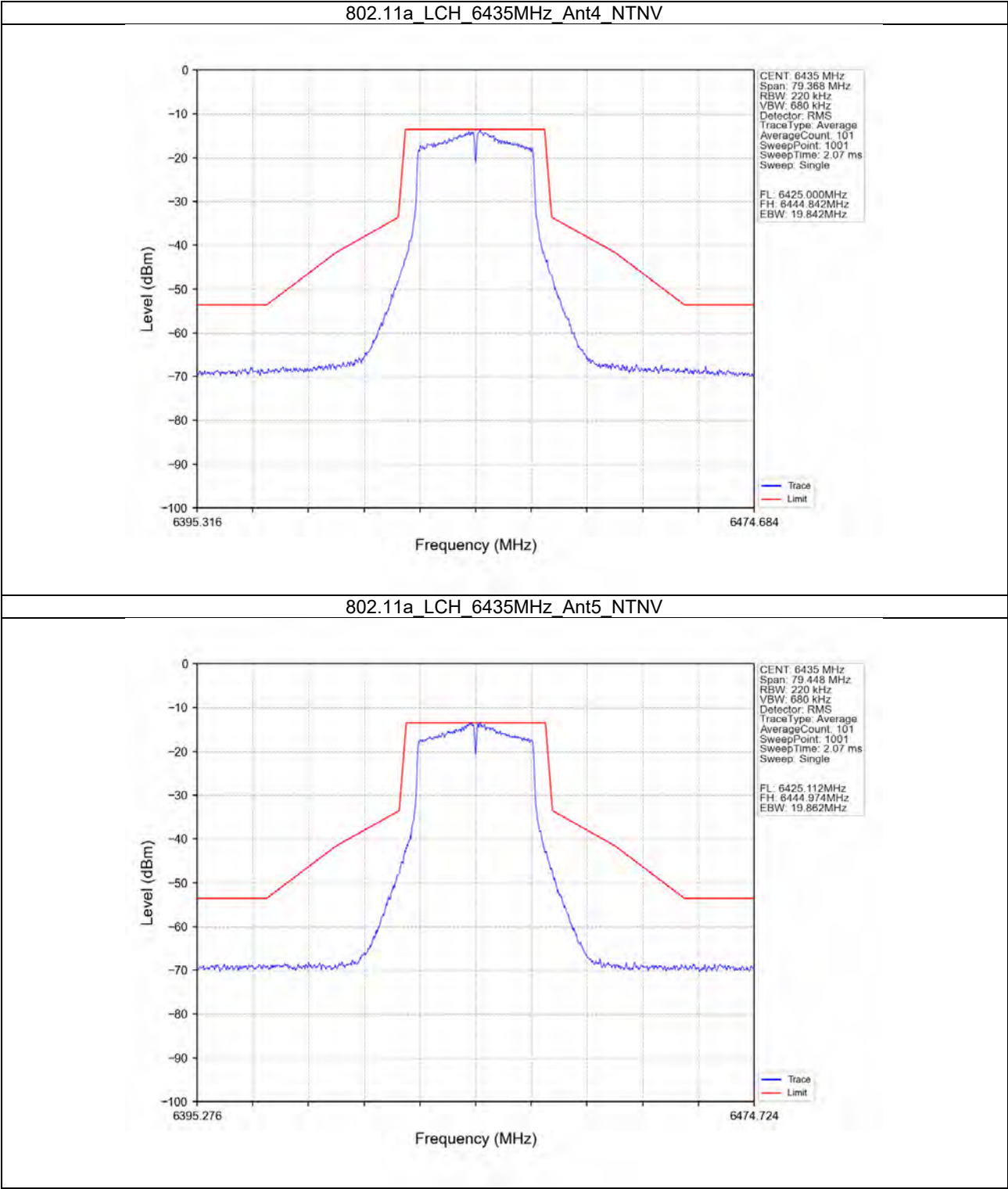




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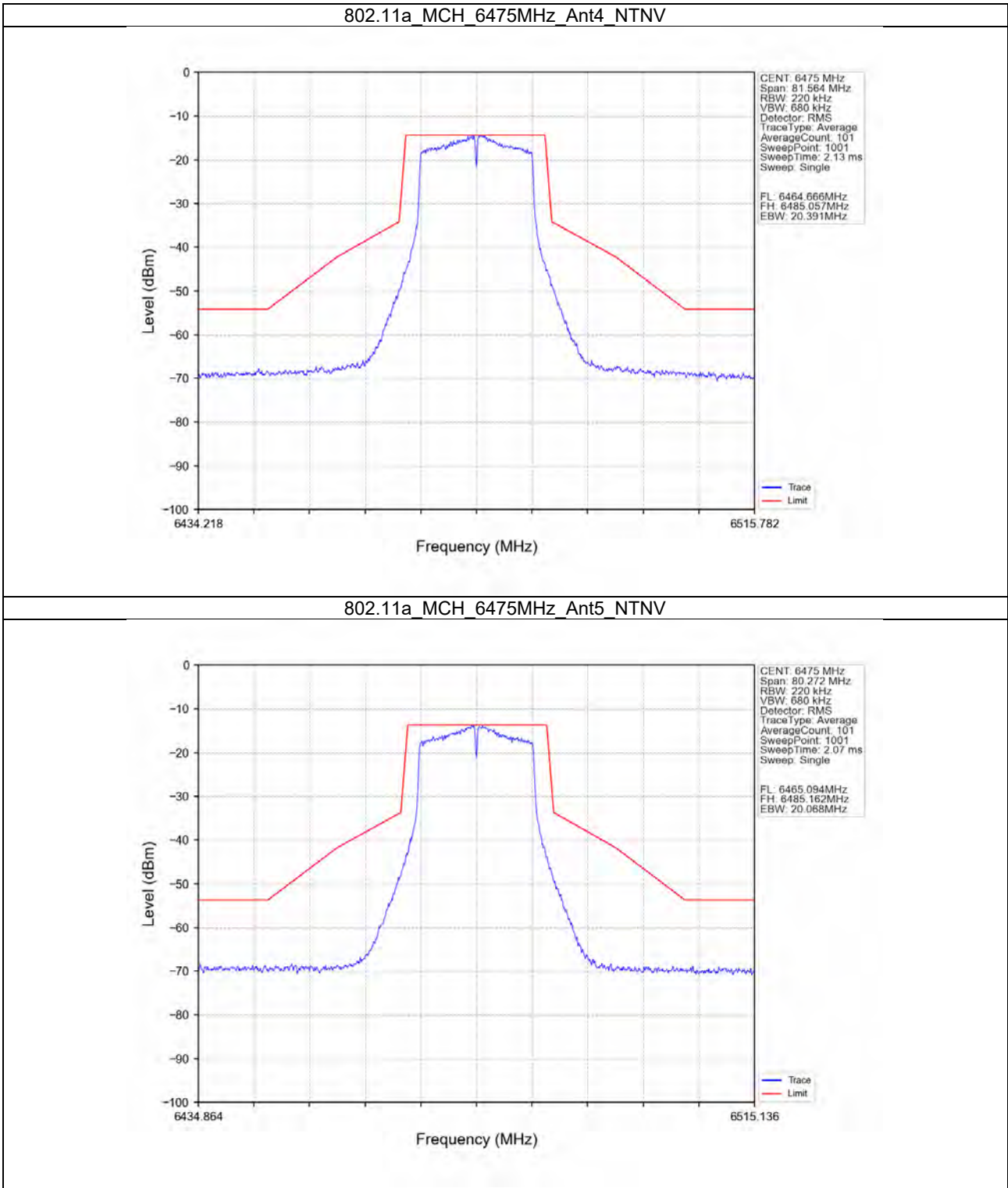
5.2.2 EMask





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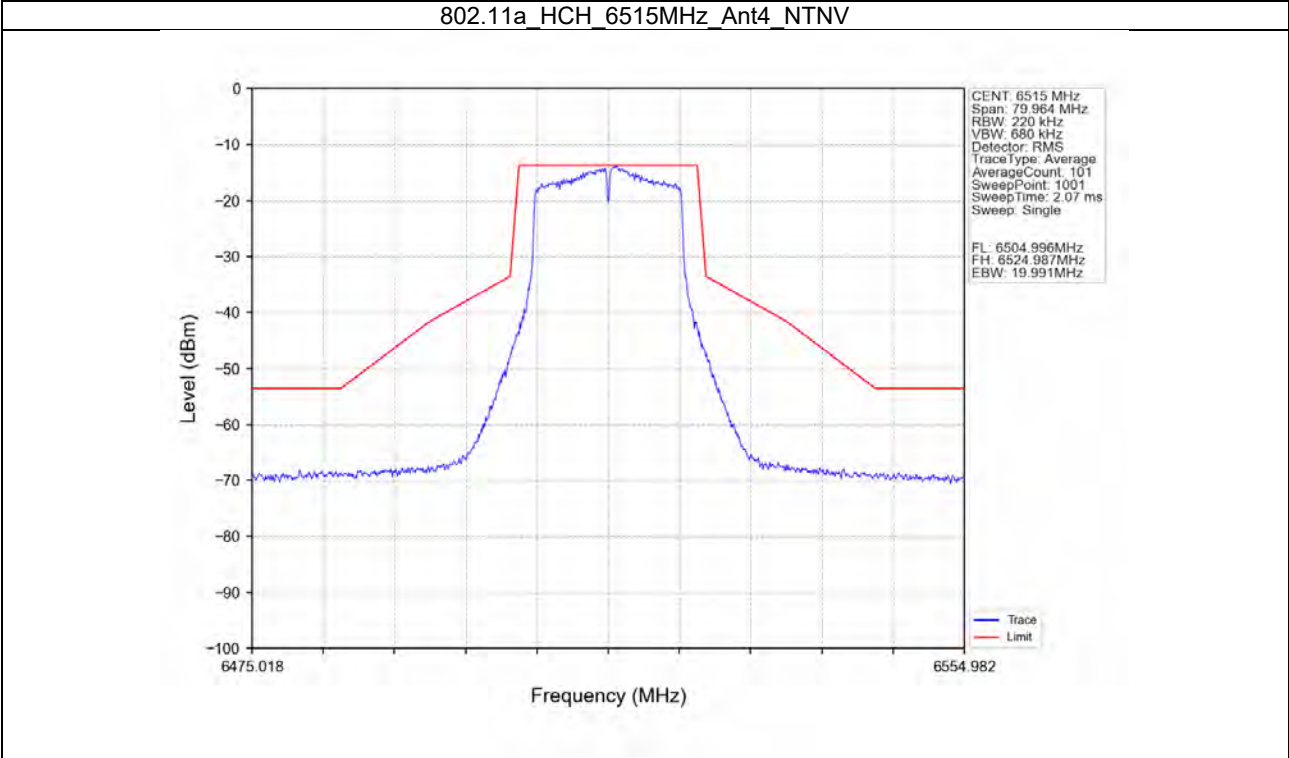




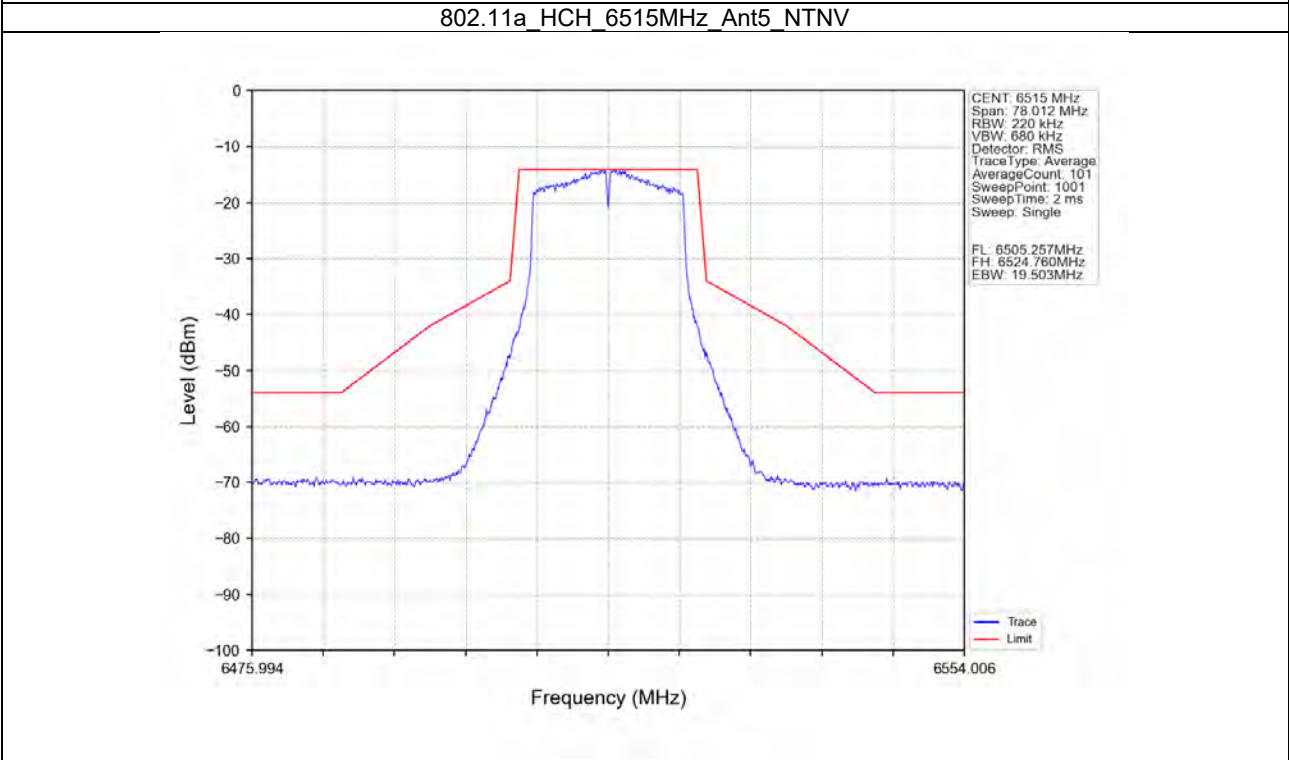
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802.11a_HCH_6515MHz_Ant4_NTNV



802.11a_HCH_6515MHz_Ant5_NTNV

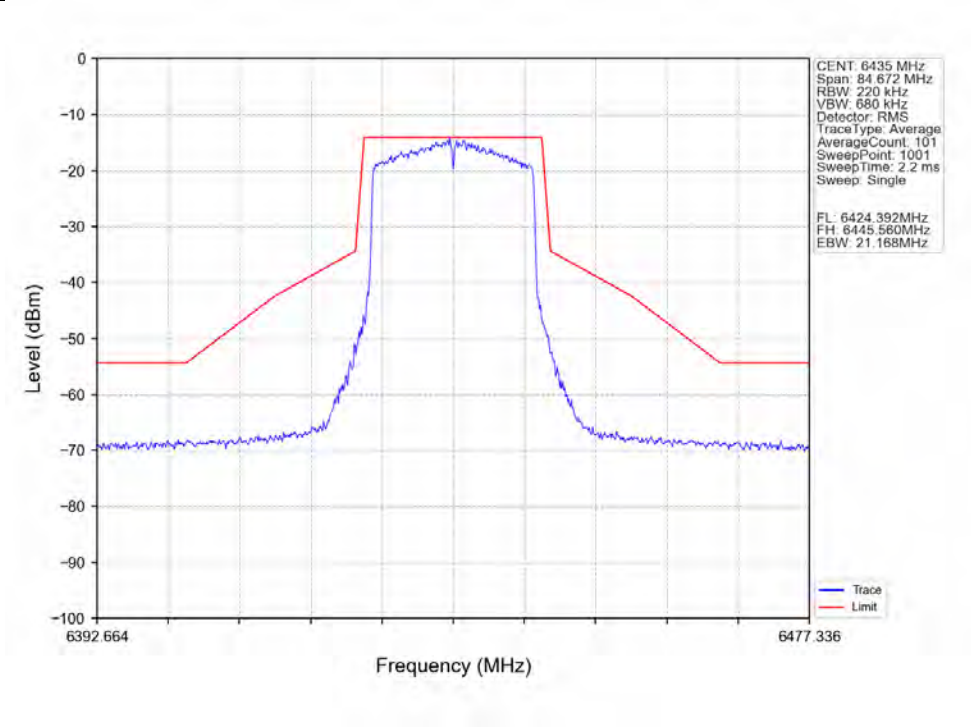




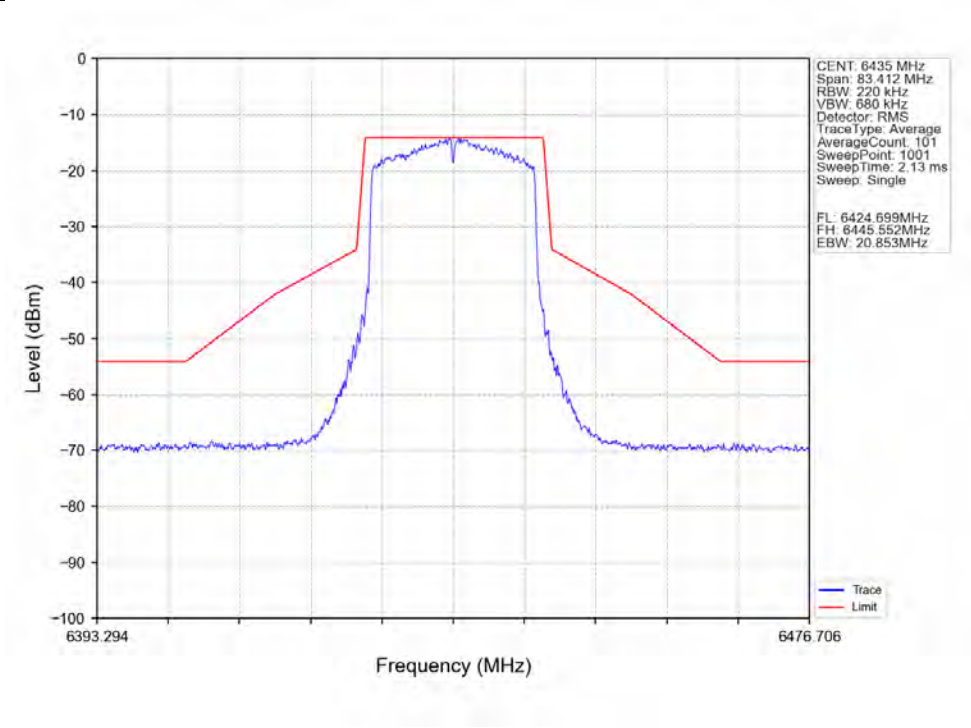
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802.11ax(HEW20)_LCH_6435MHz_SU_/_Ant4_NTNV



802.11ax(HEW20)_LCH_6435MHz_SU_/_Ant5_NTNV

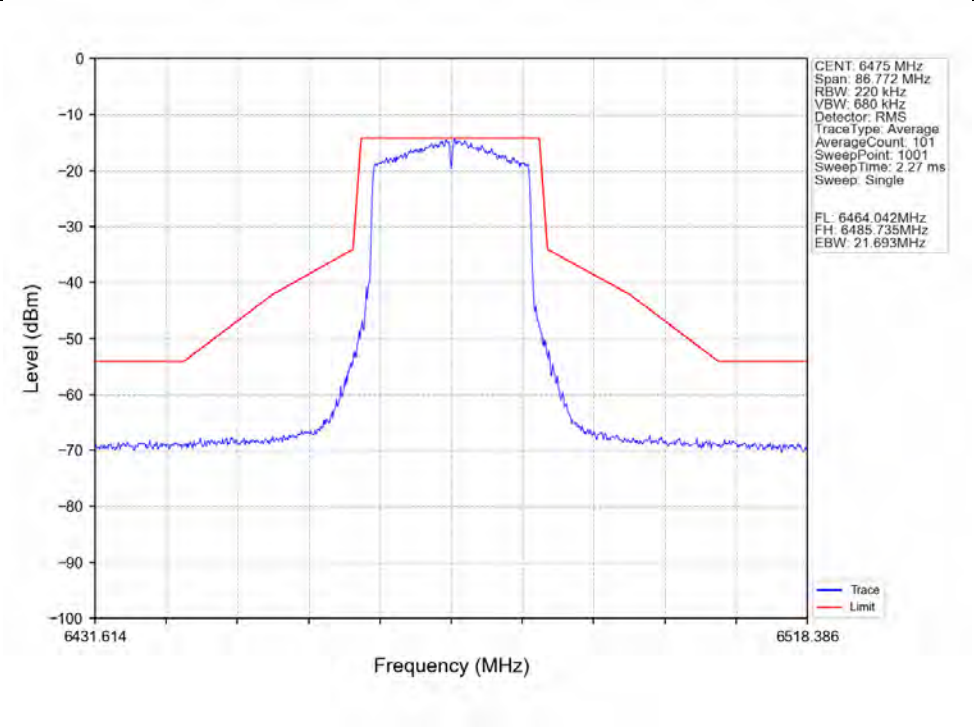




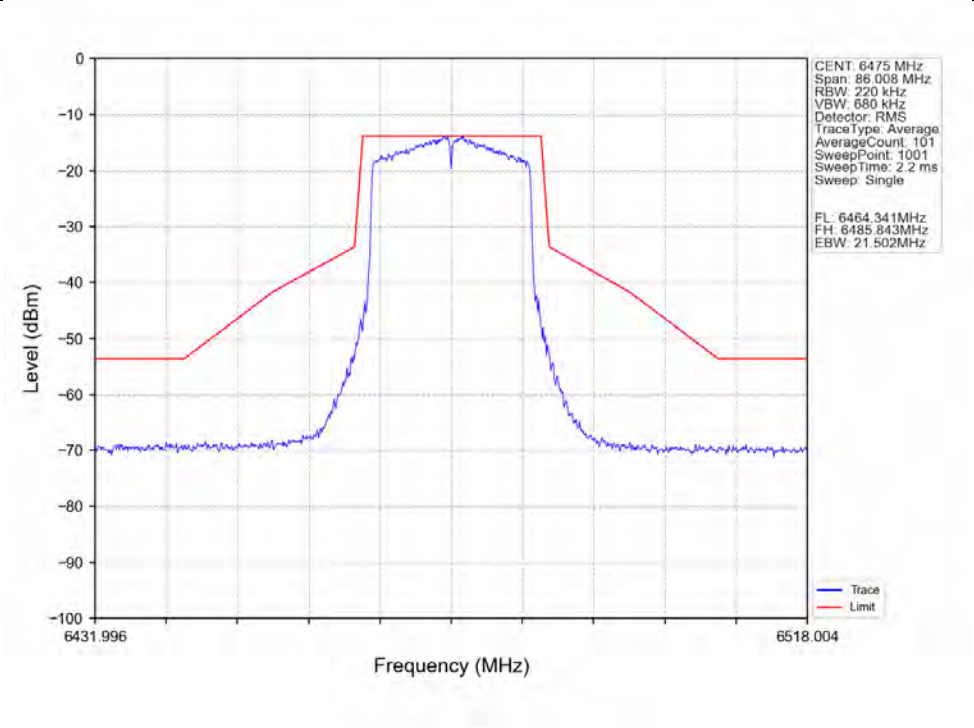
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802.11ax(HEW20)_MCH_6475MHz_SU_ / _Ant4_NTNV



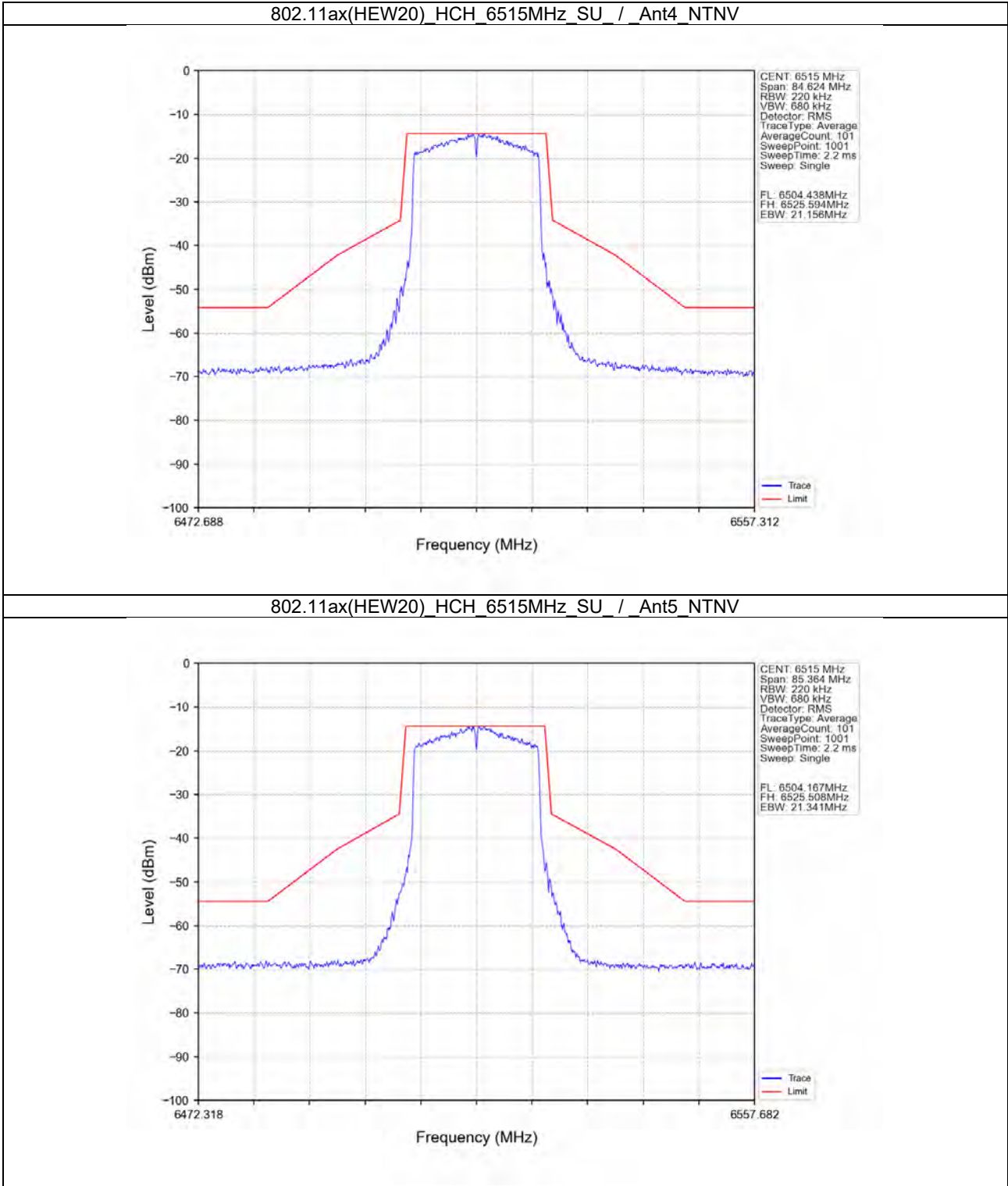
802.11ax(HEW20)_MCH_6475MHz_SU_ / _Ant5_NTNV





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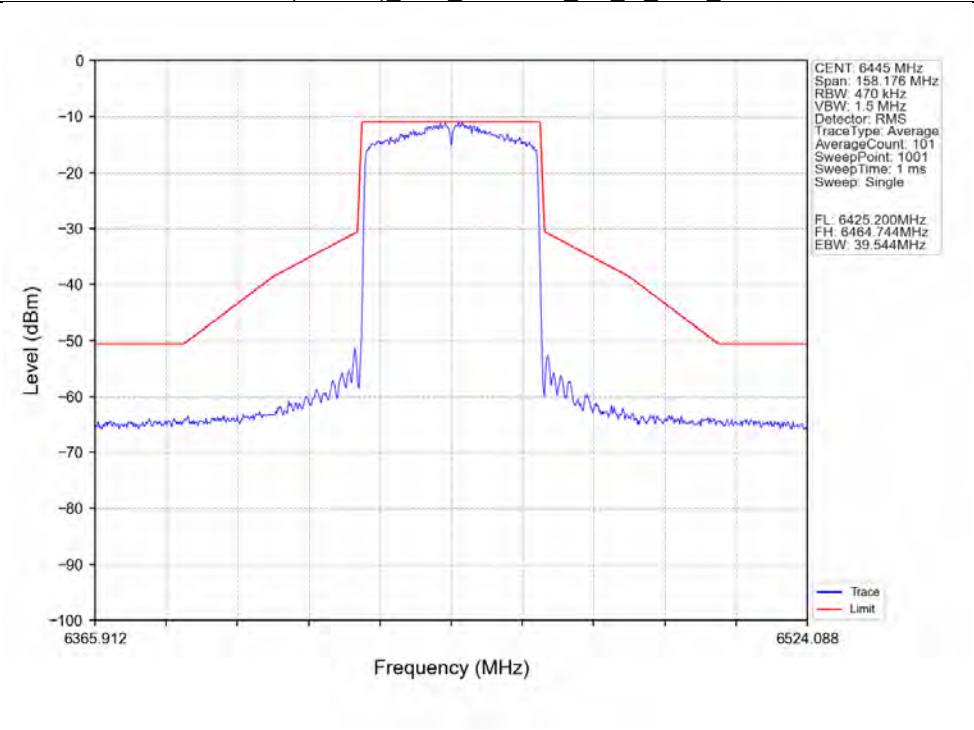




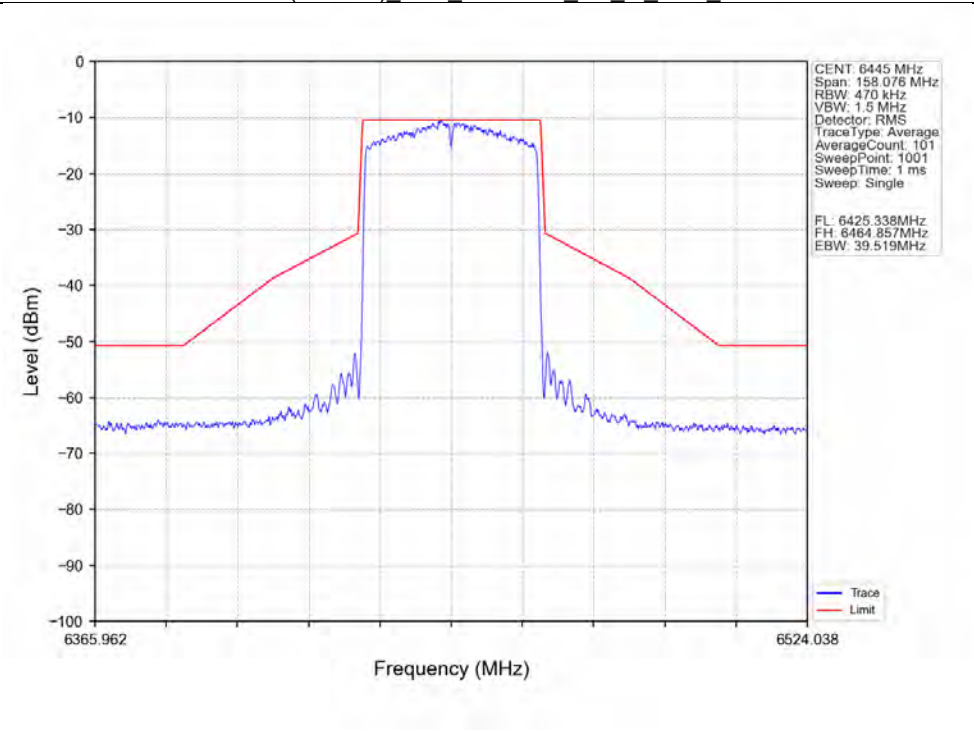
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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802.11ax(HEW40)_LCH_6445MHz_SU_/_Ant4_NTNV



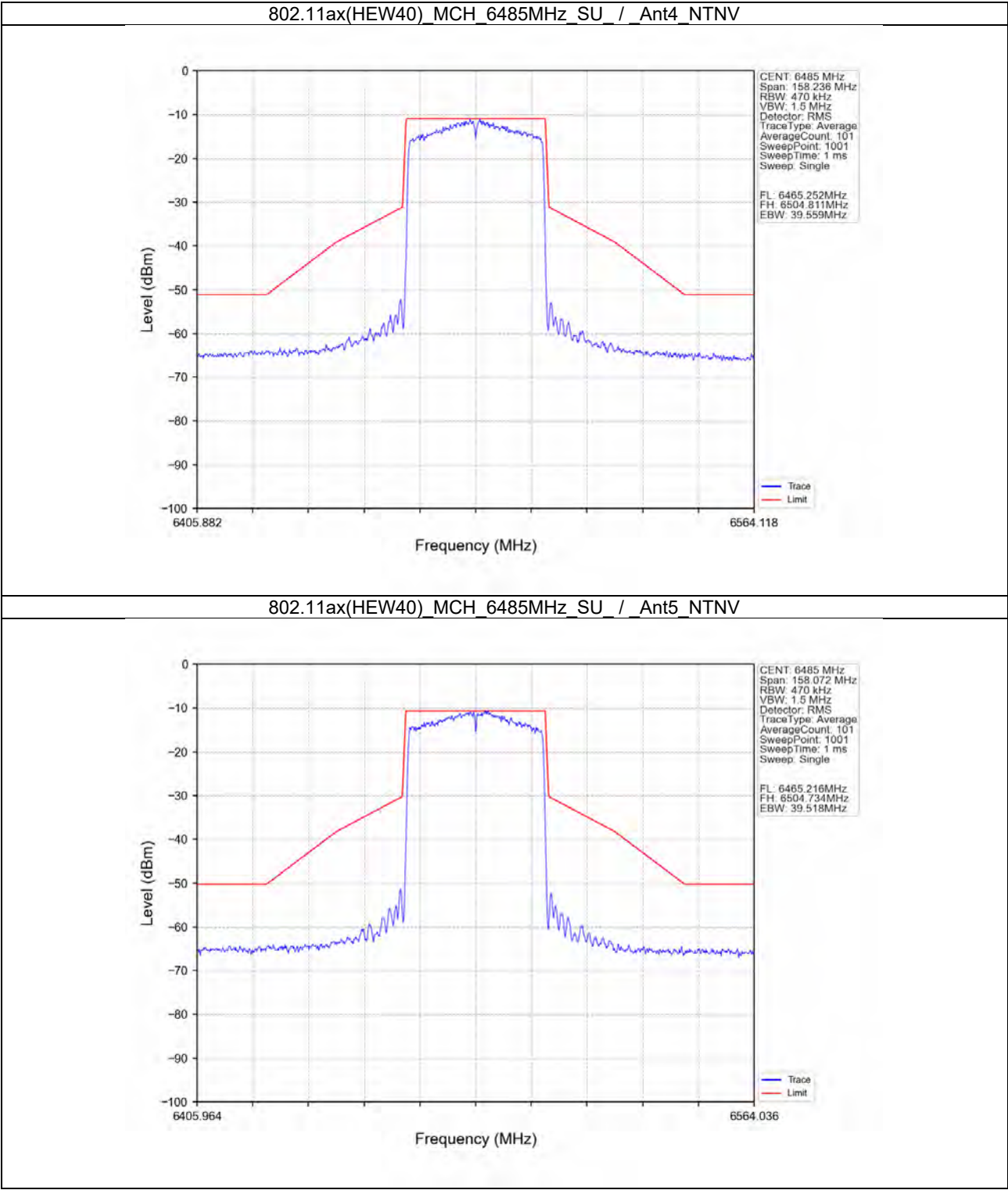
802.11ax(HEW40)_LCH_6445MHz_SU_/_Ant5_NTNV





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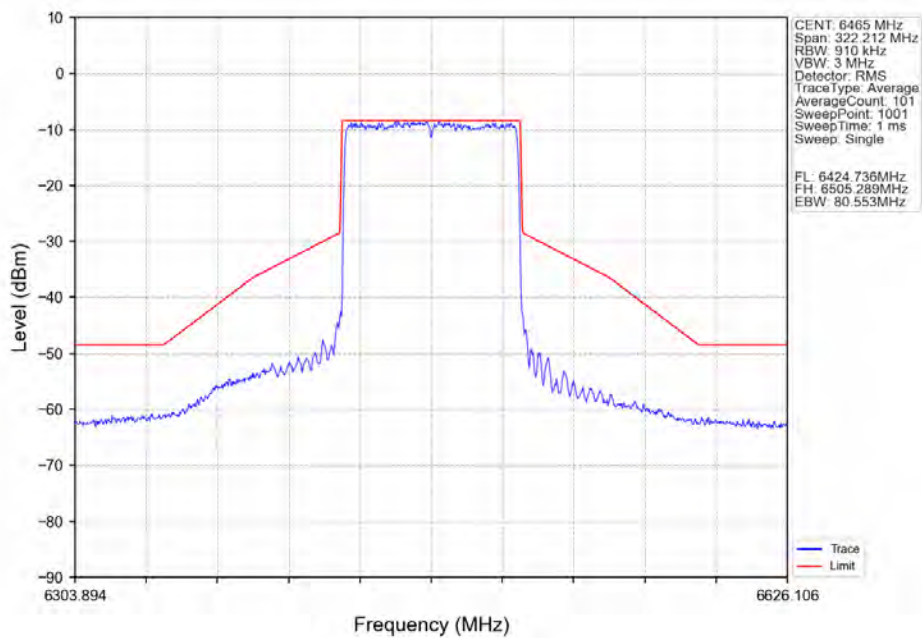




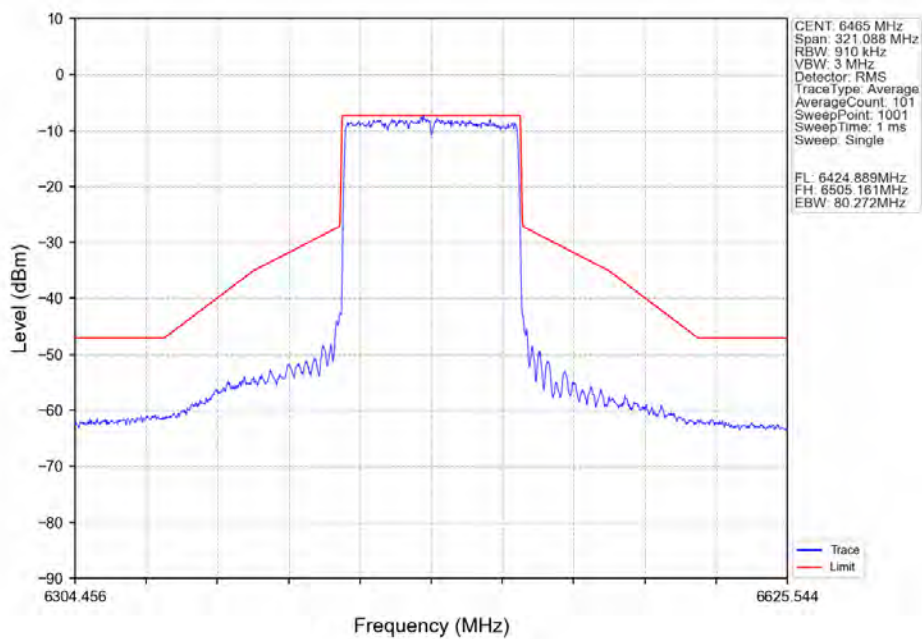
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802.11ax(HEW80)_LCH_6465MHz_SU_/_Ant4_NTNV



802.11ax(HEW80)_LCH_6465MHz_SU_/_Ant5_NTNV

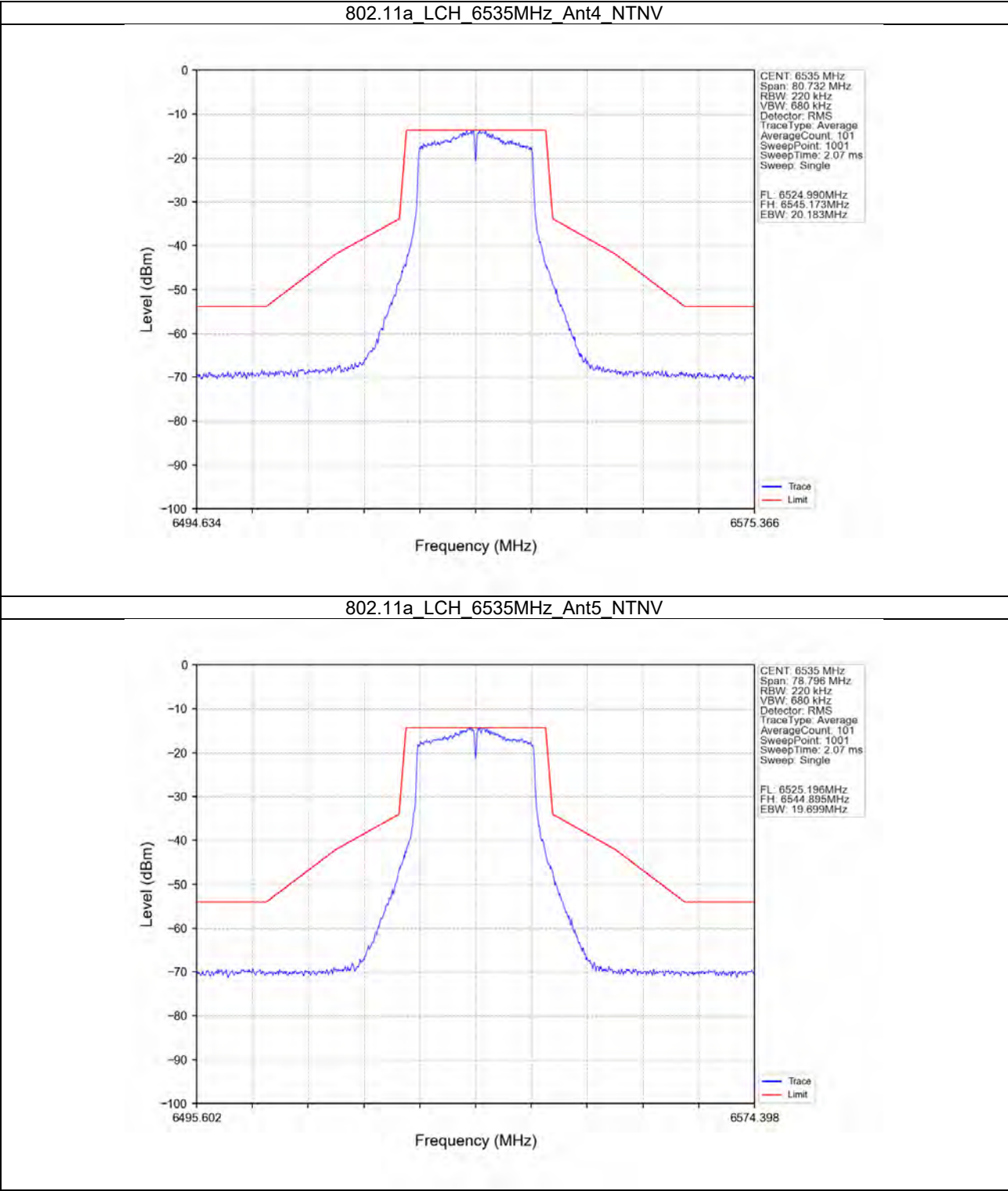




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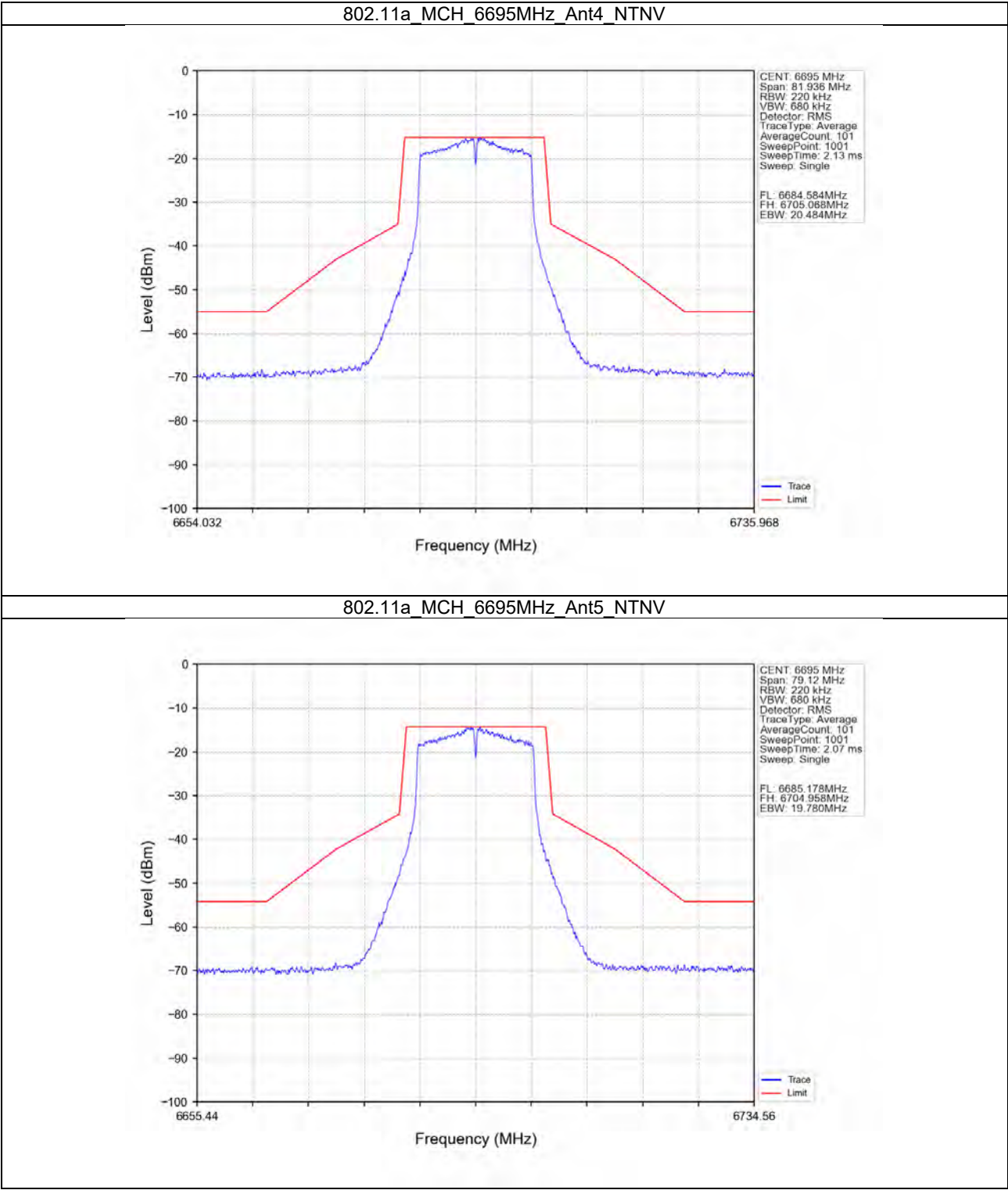
5.2.3 EMask





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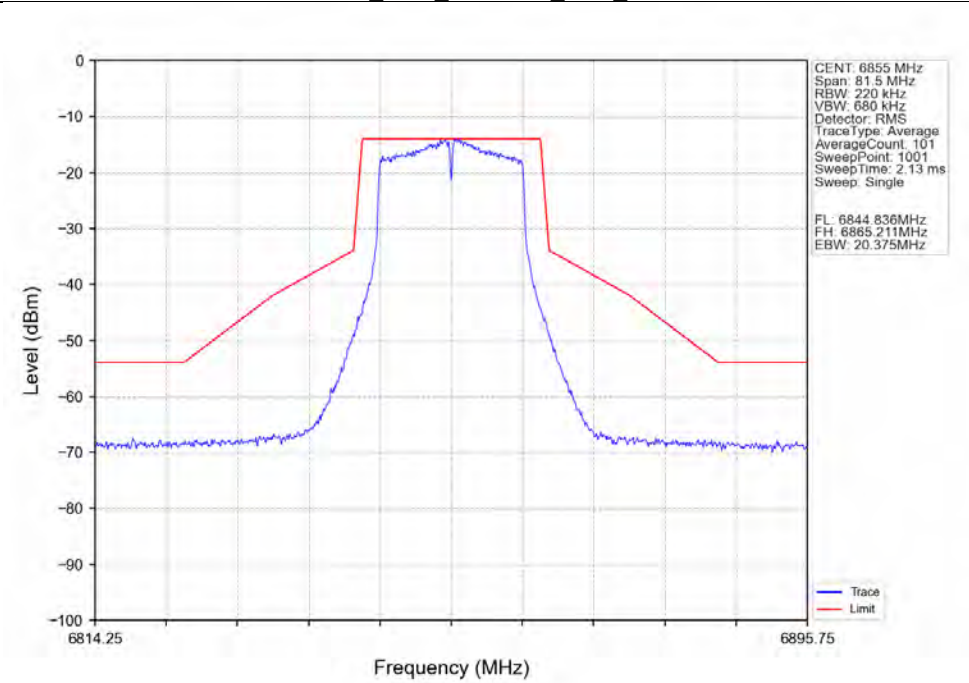




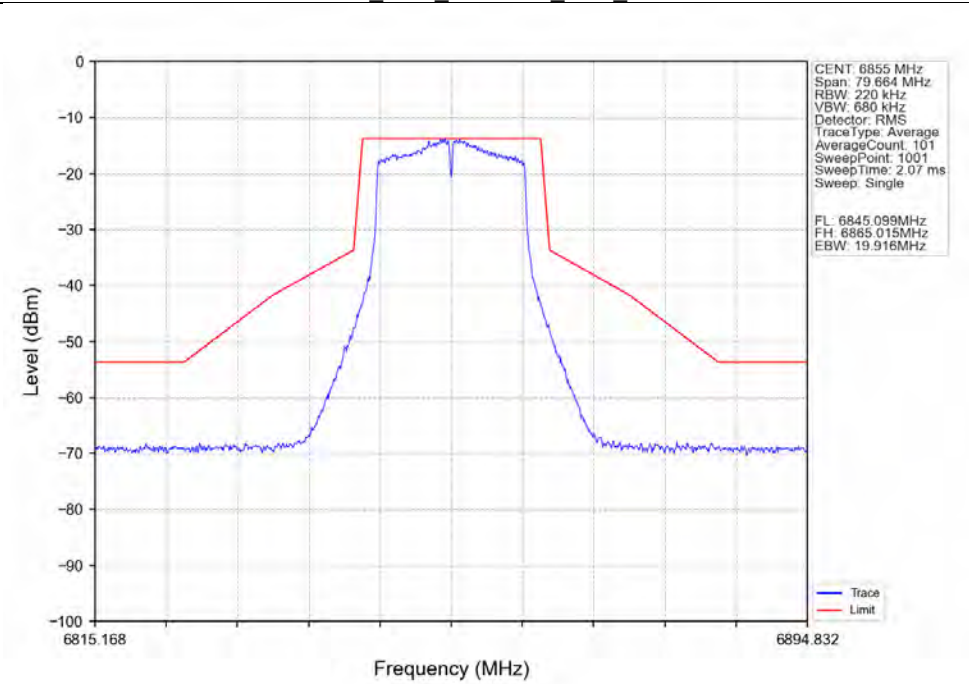
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802.11a_HCH_6855MHz_Ant4_NTNV



802.11a_HCH_6855MHz_Ant5_NTNV

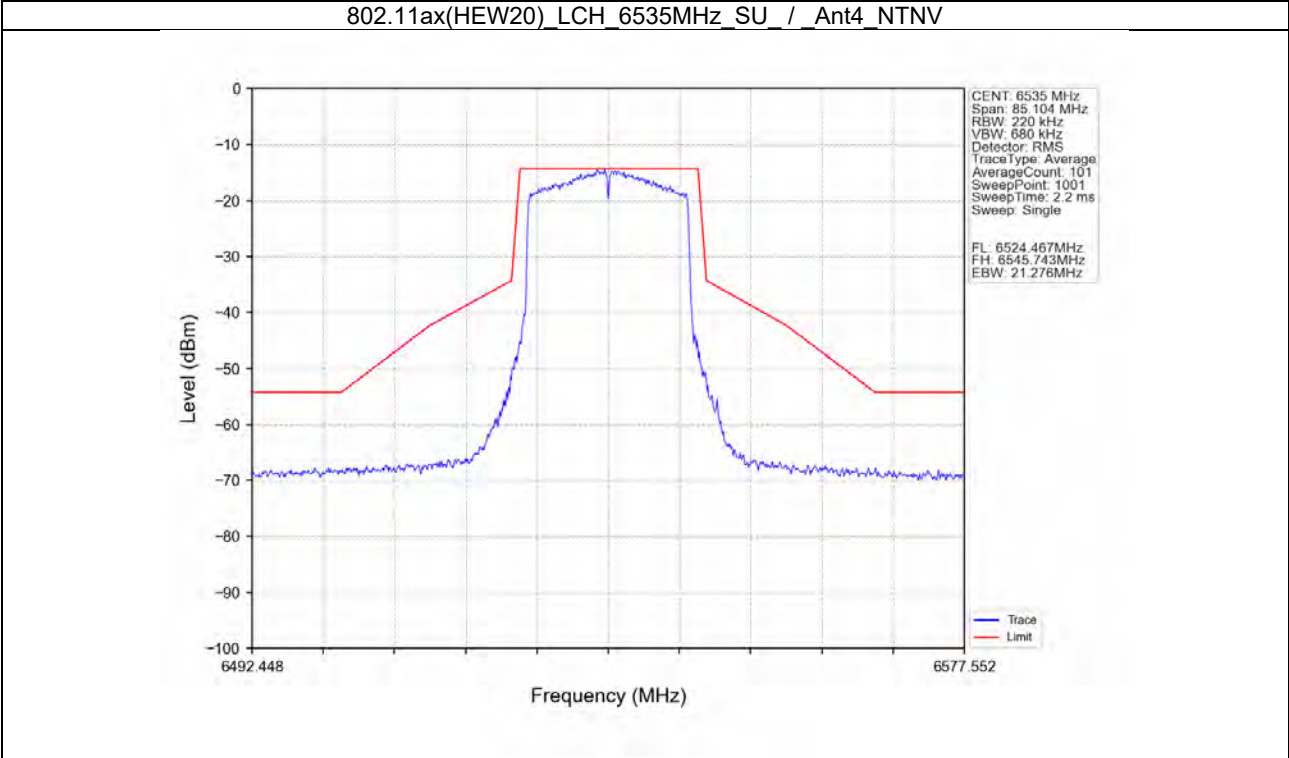




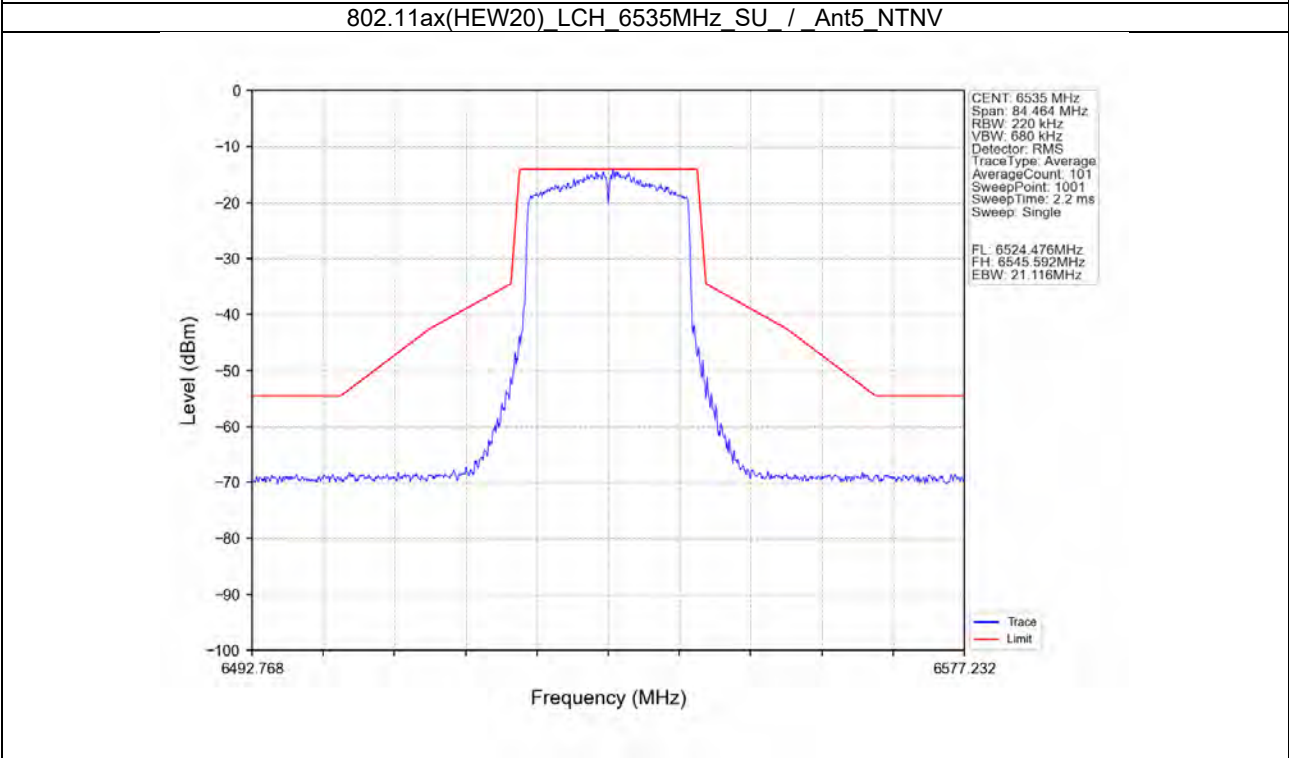
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802.11ax(HEW20)_LCH_6535MHz_SU_/_Ant4_NTNV



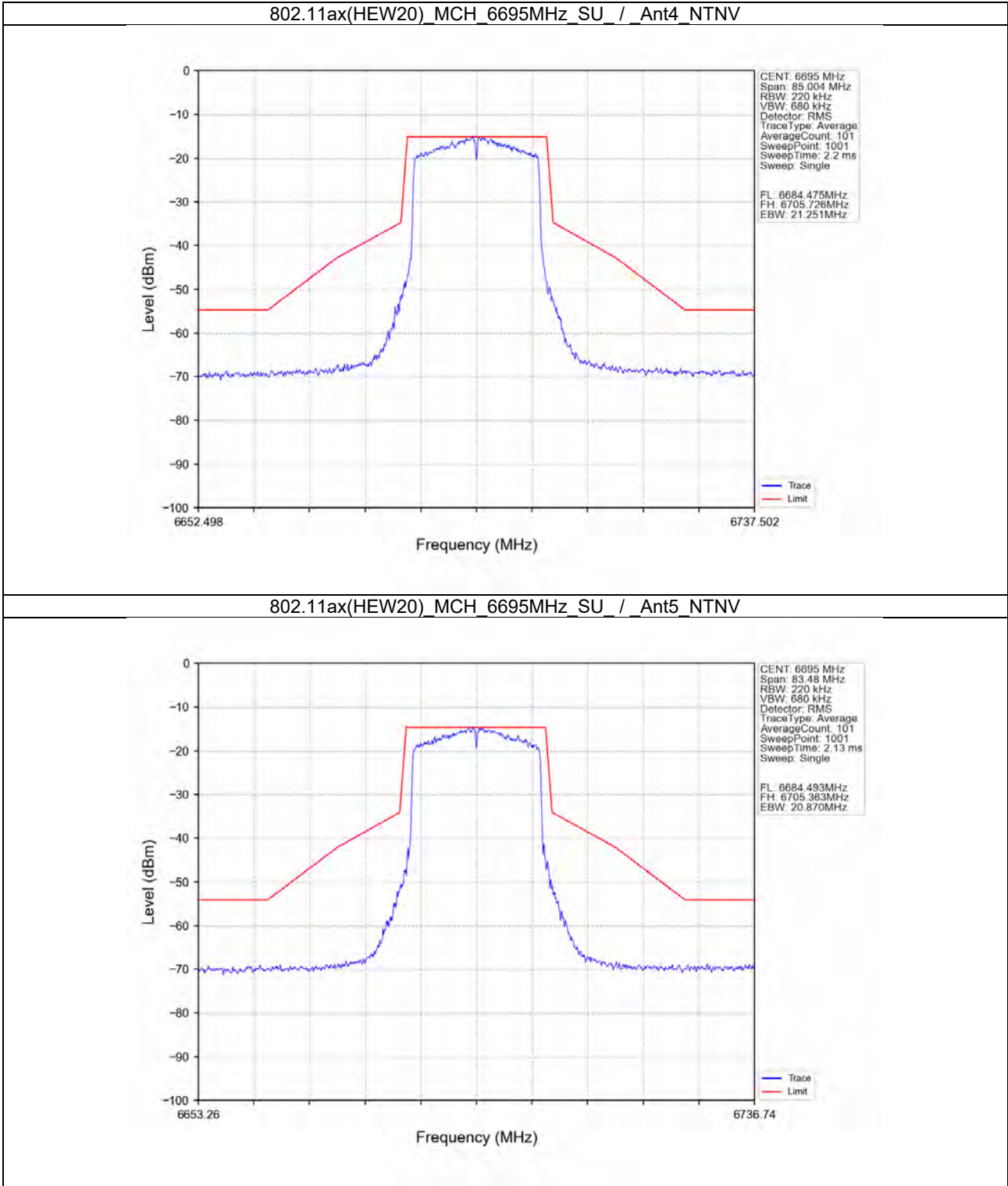
802.11ax(HEW20)_LCH_6535MHz_SU_/_Ant5_NTNV





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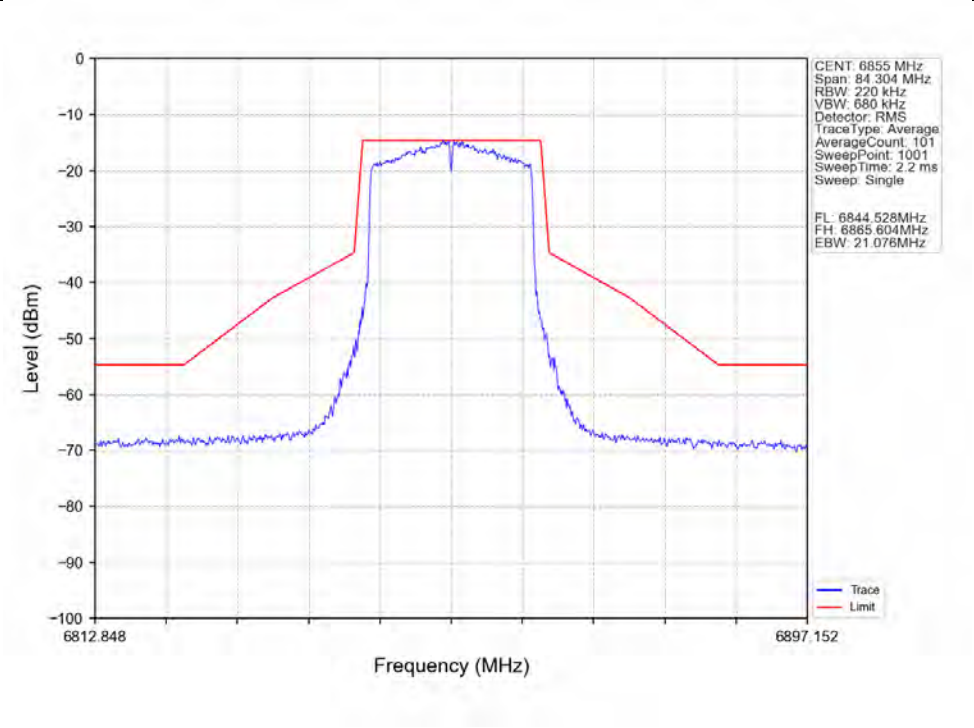




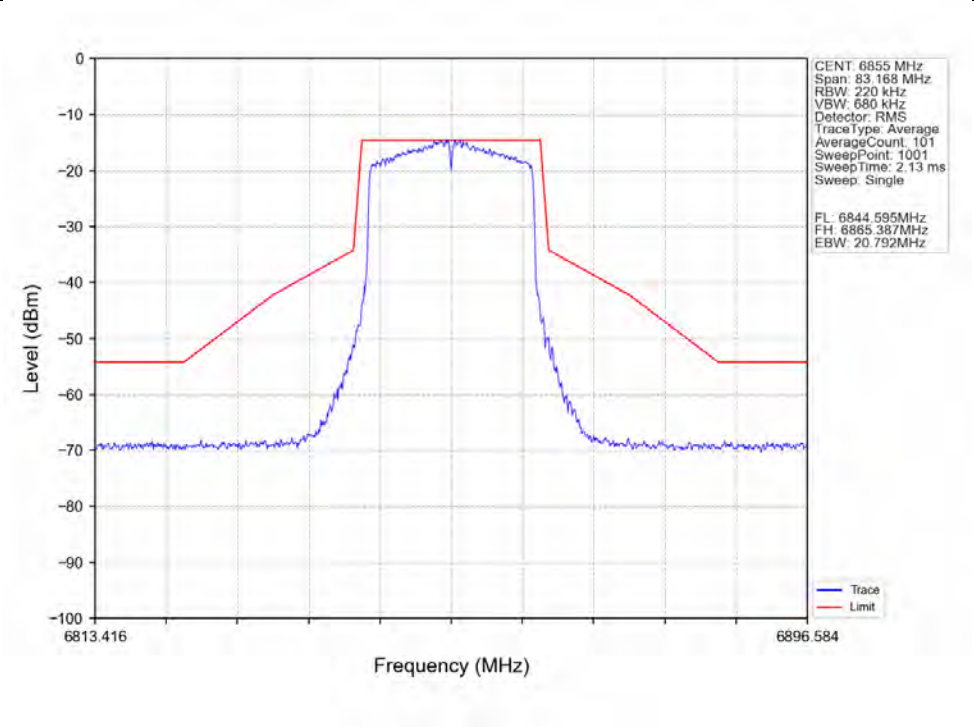
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802.11ax(HEW20)_HCH_6855MHz_SU_ / Ant4_NTNV



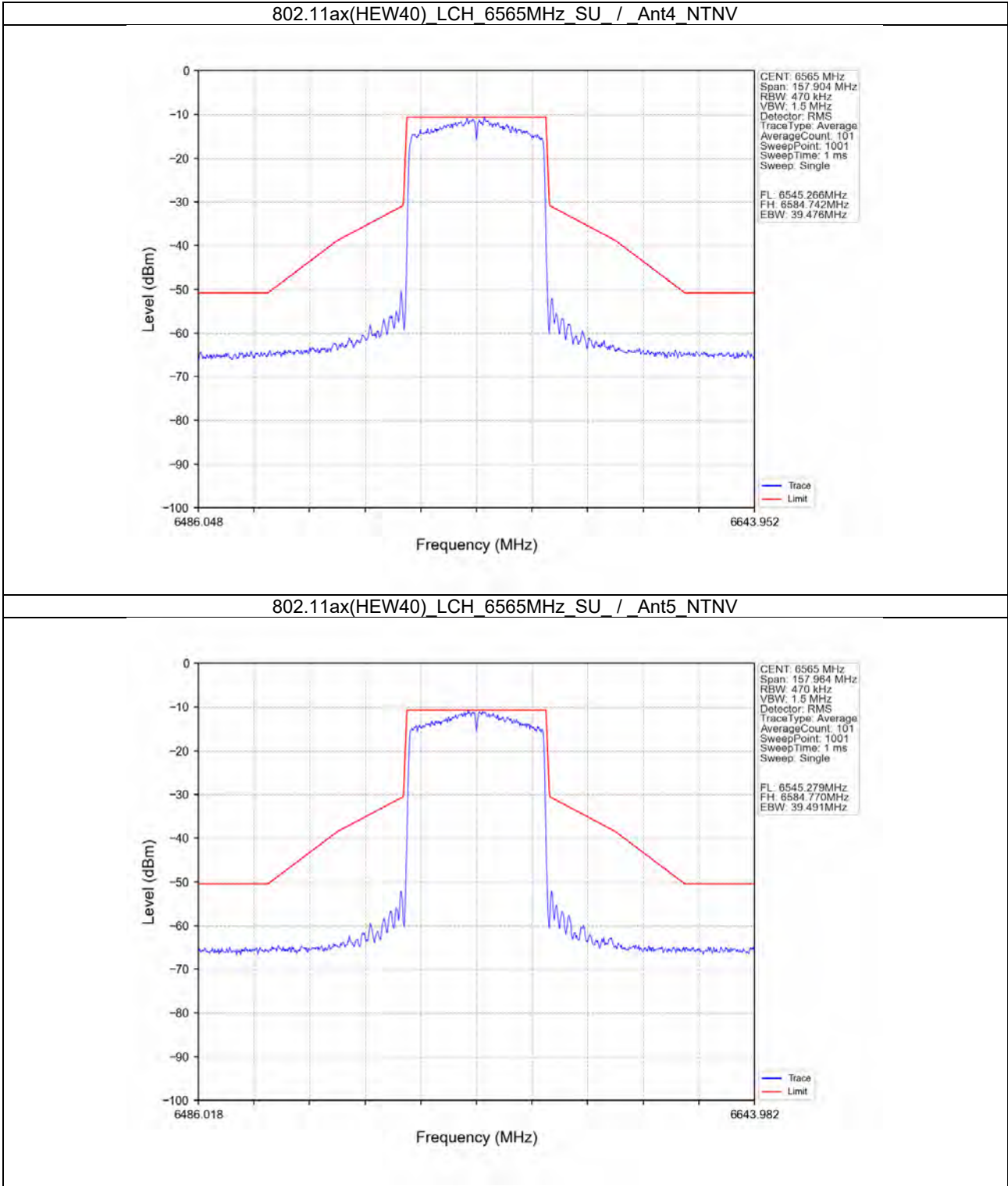
802.11ax(HEW20)_HCH_6855MHz_SU_ / Ant5_NTNV





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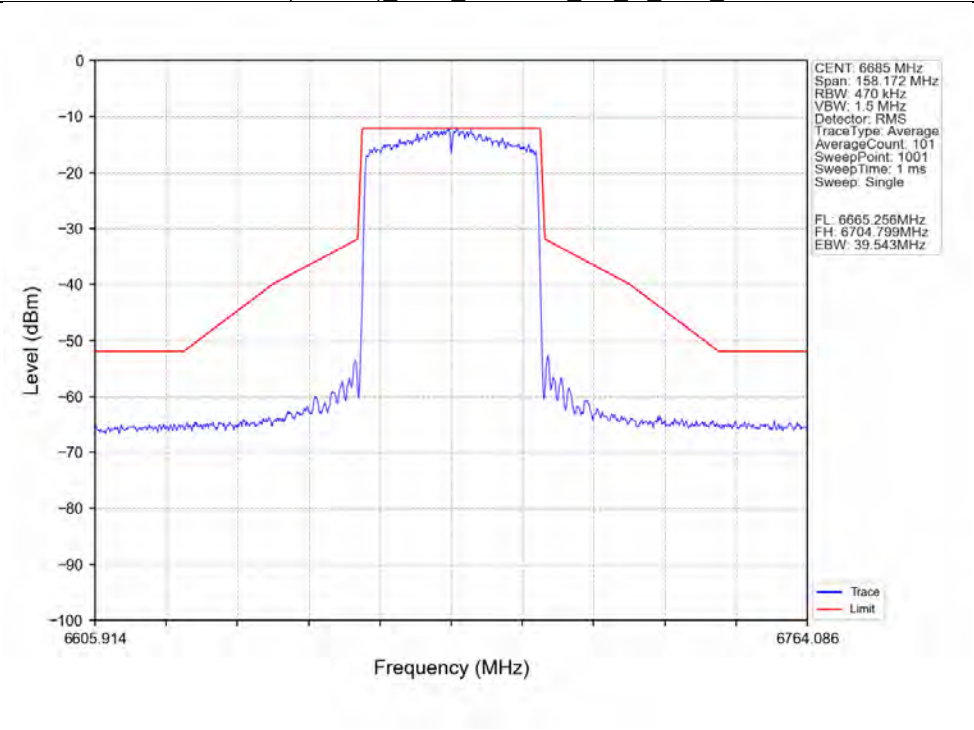




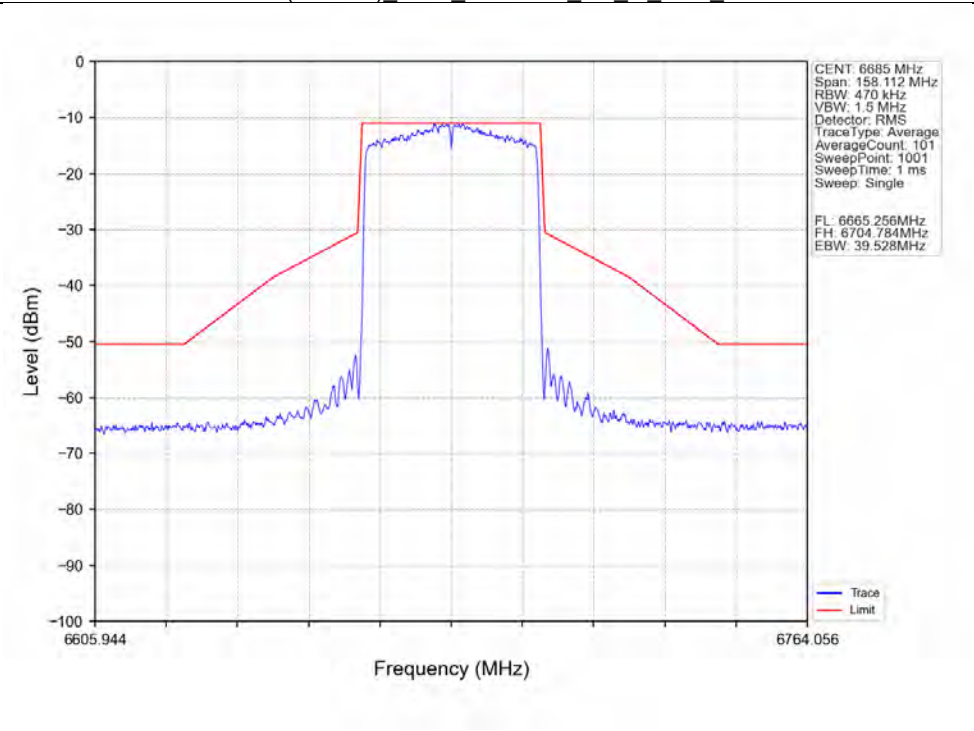
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802.11ax(HEW40)_MCH_6685MHz_SU_ / _Ant4_NTNV



802.11ax(HEW40)_MCH_6685MHz_SU_ / _Ant5_NTNV

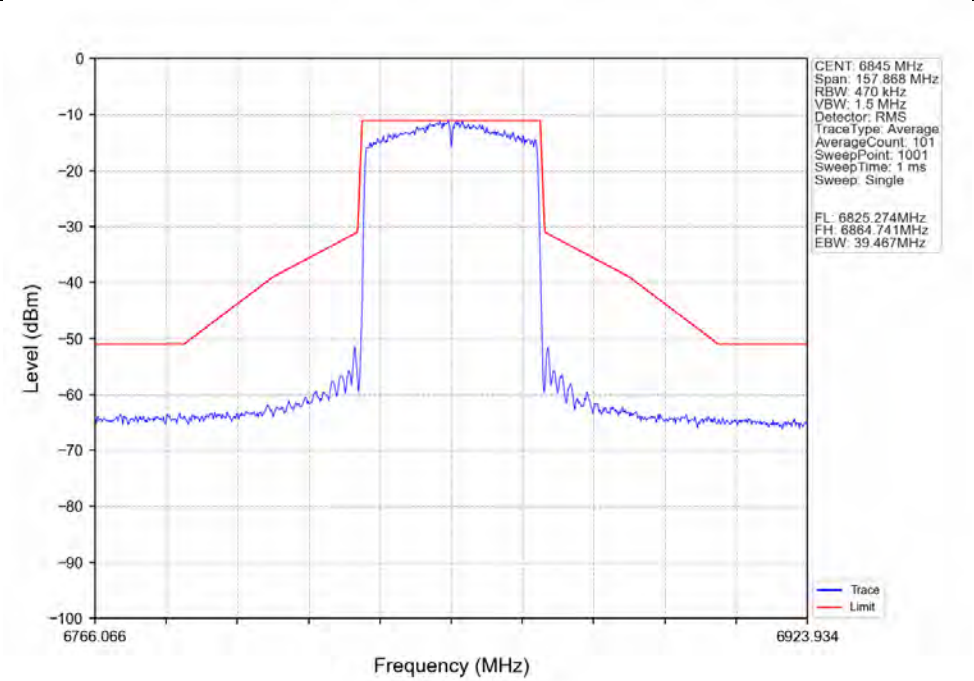




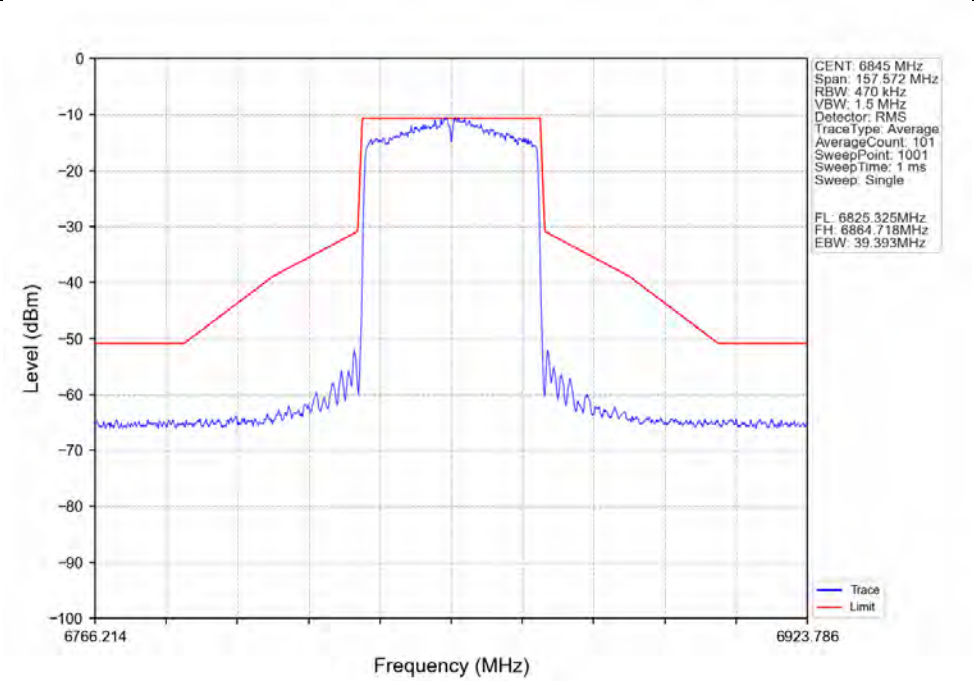
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802.11ax(HEW40)_HCH_6845MHz_SU_ / Ant4_NTNV



802.11ax(HEW40)_HCH_6845MHz_SU_ / Ant5_NTNV





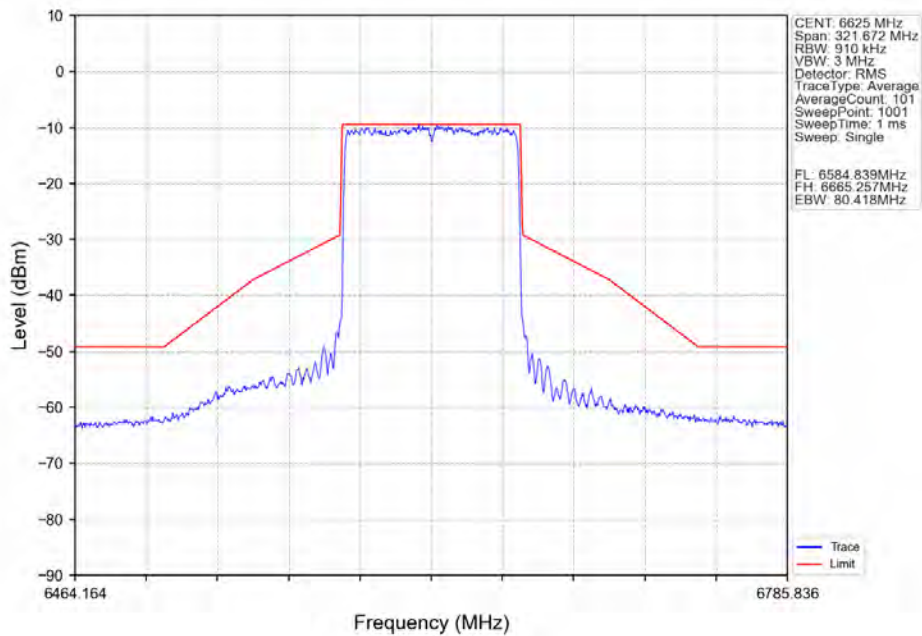
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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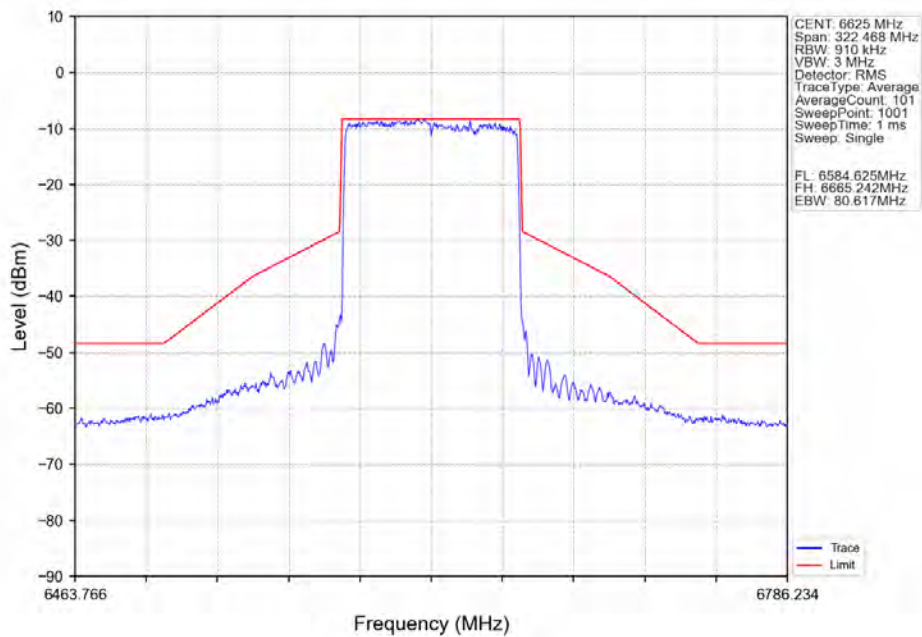
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802.11ax(HEW80)_LCH_6625MHz_SU_/_Ant4_NTNV



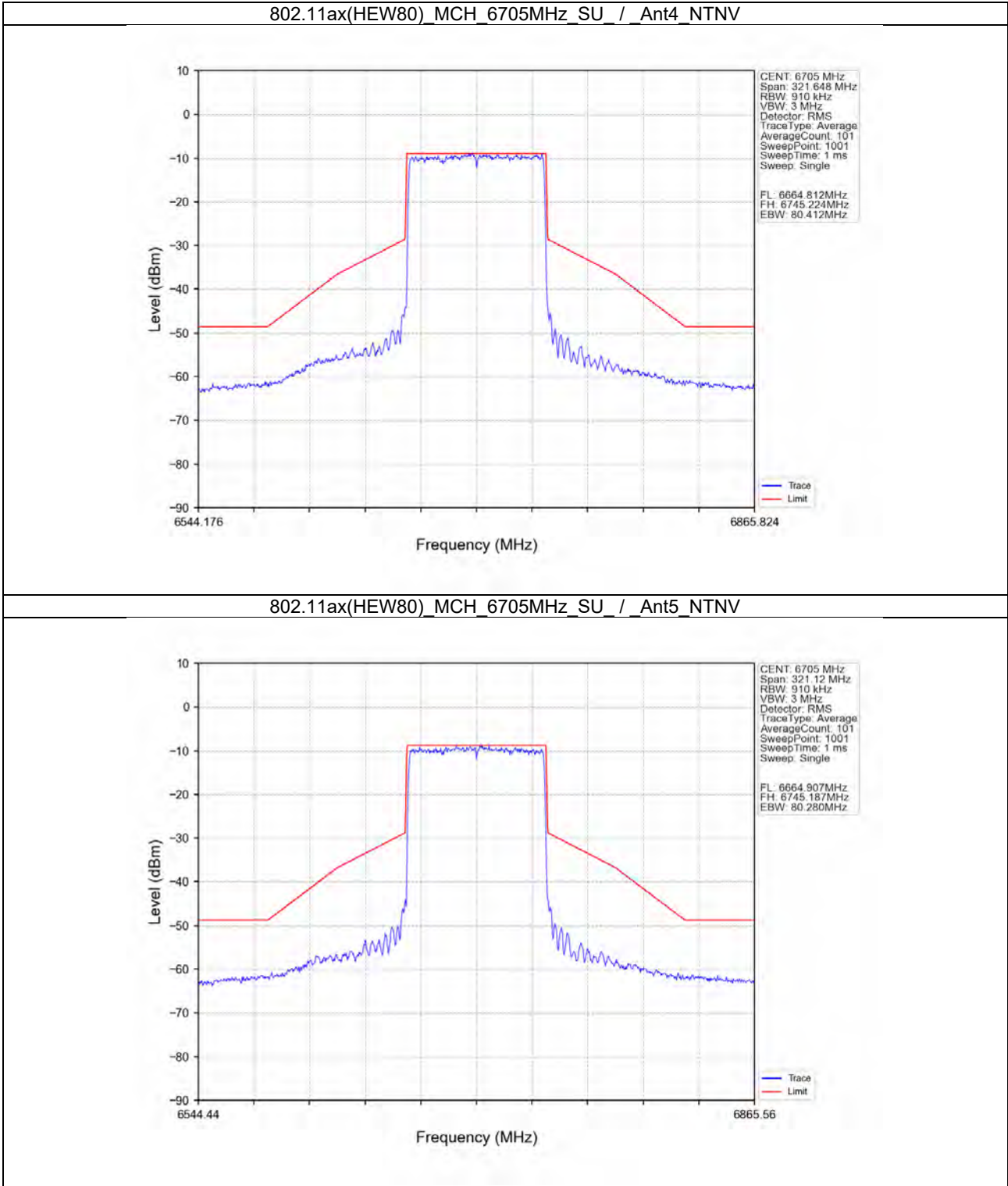
802.11ax(HEW80)_LCH_6625MHz_SU_/_Ant5_NTNV





SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

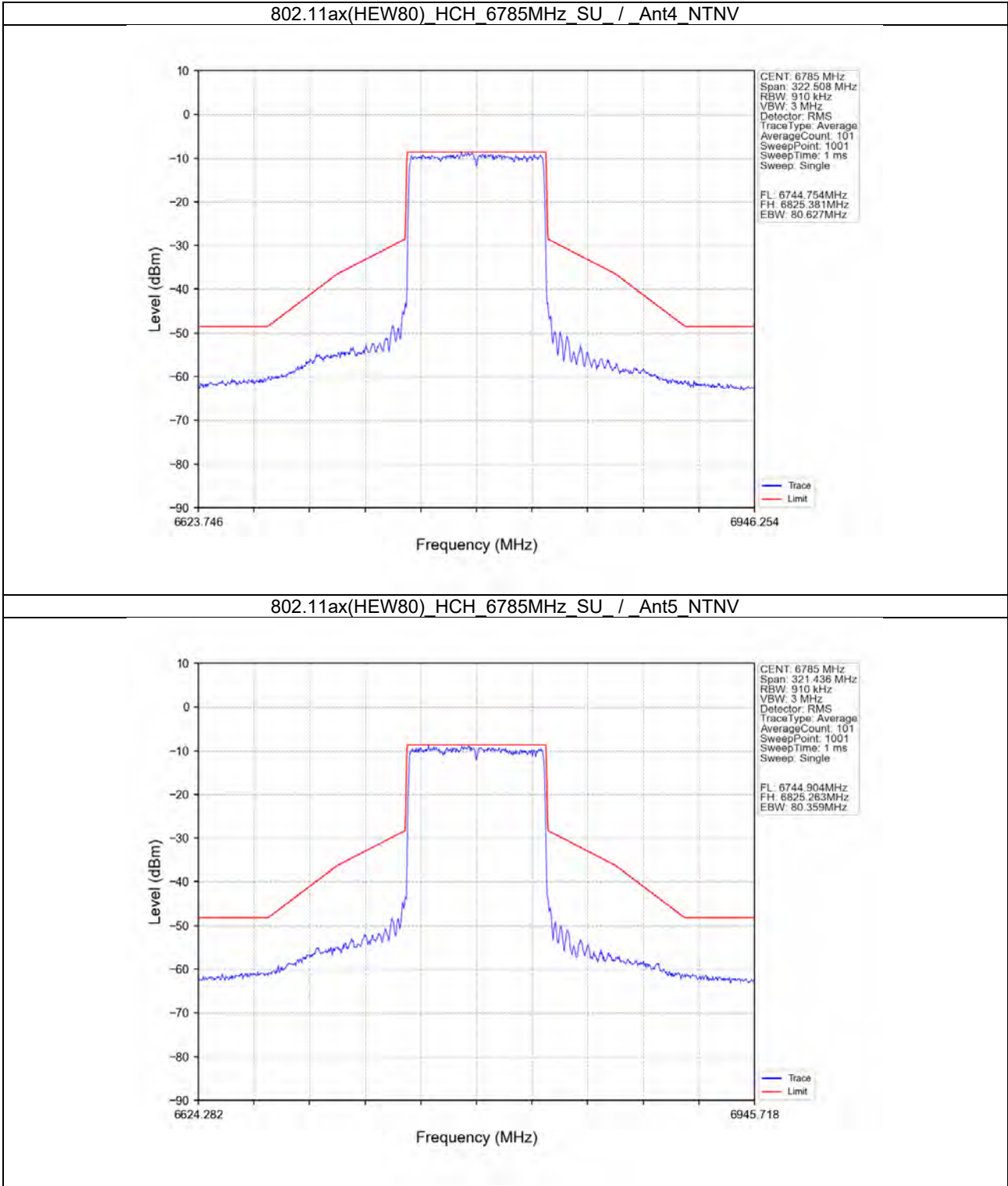
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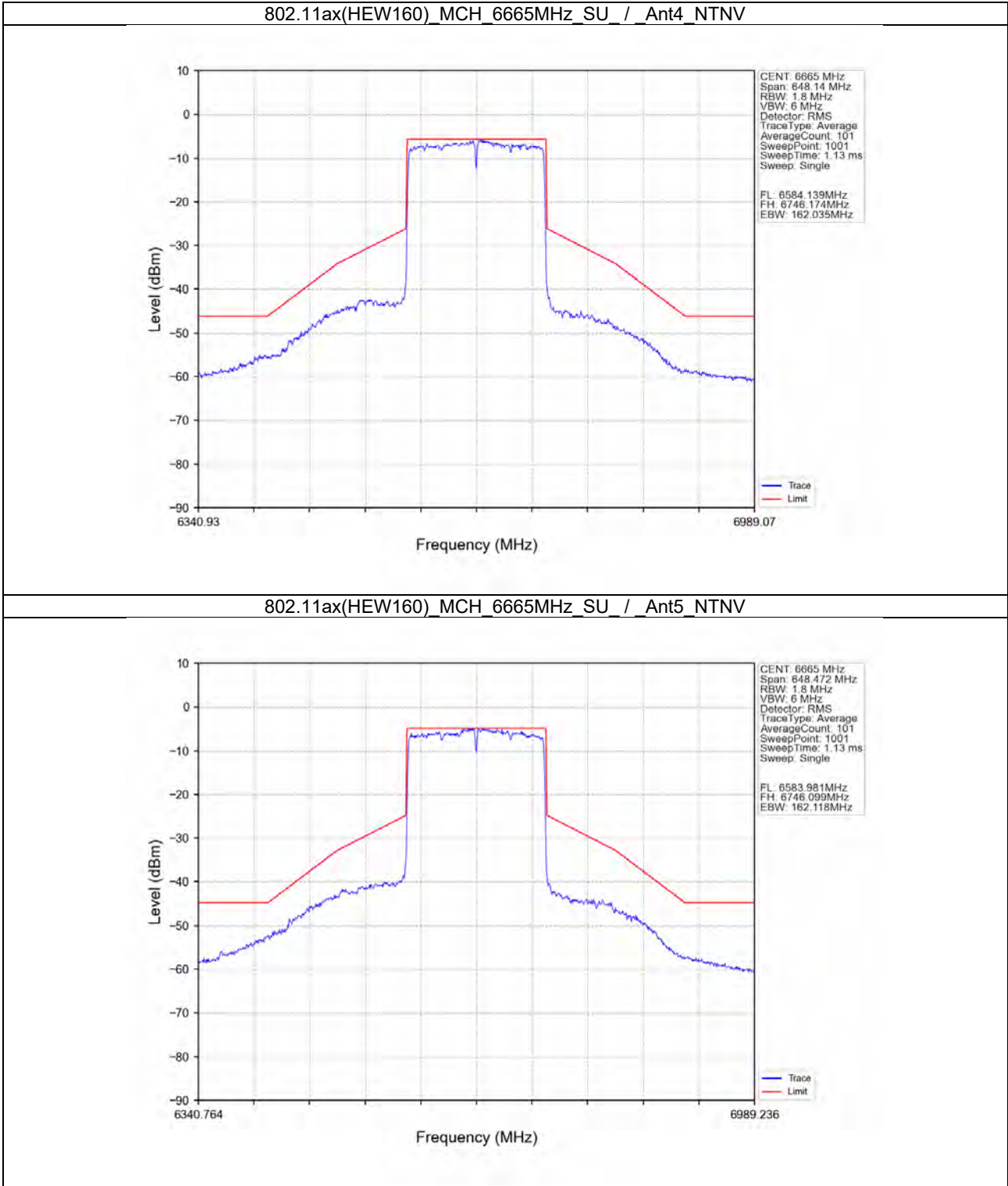
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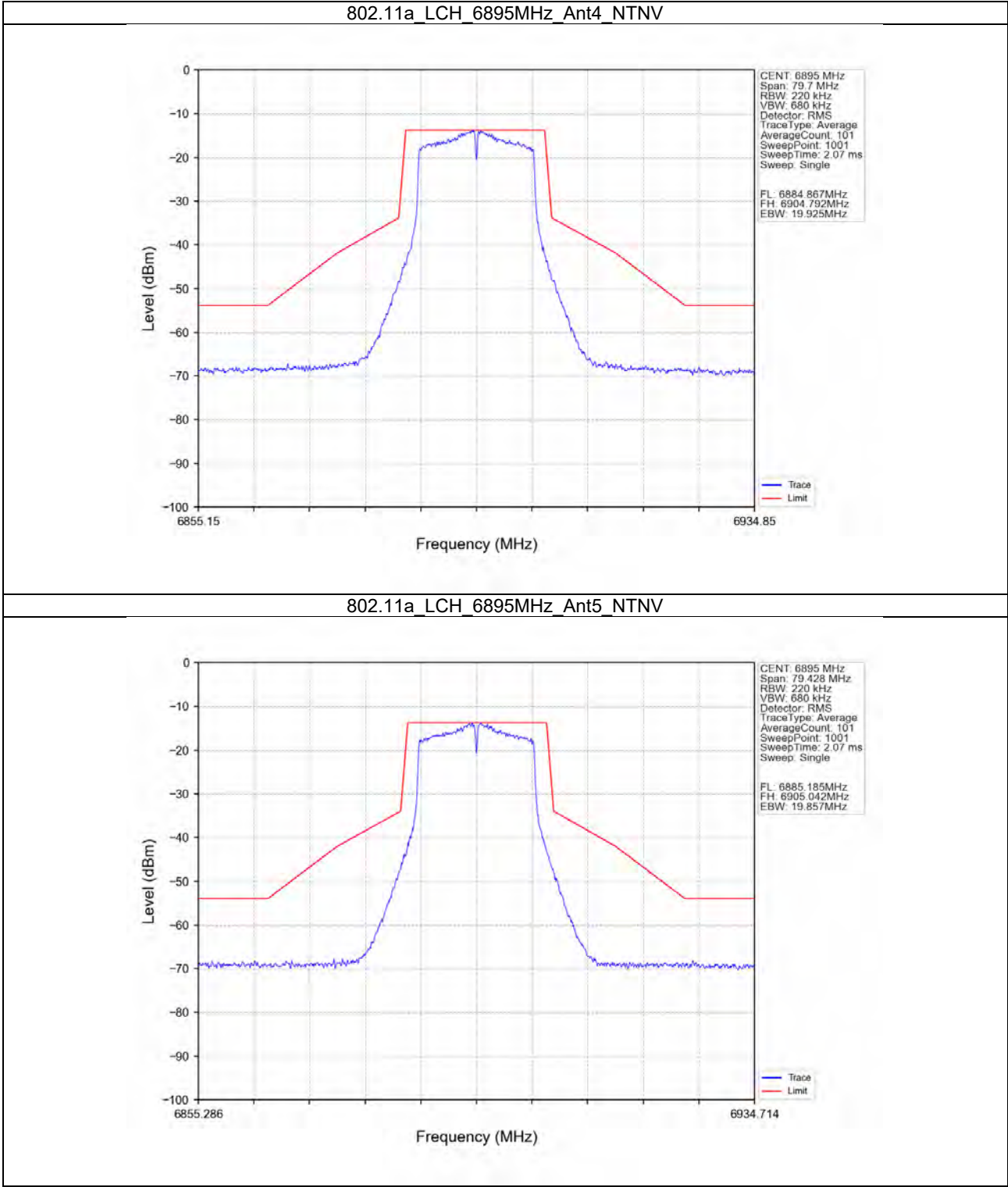




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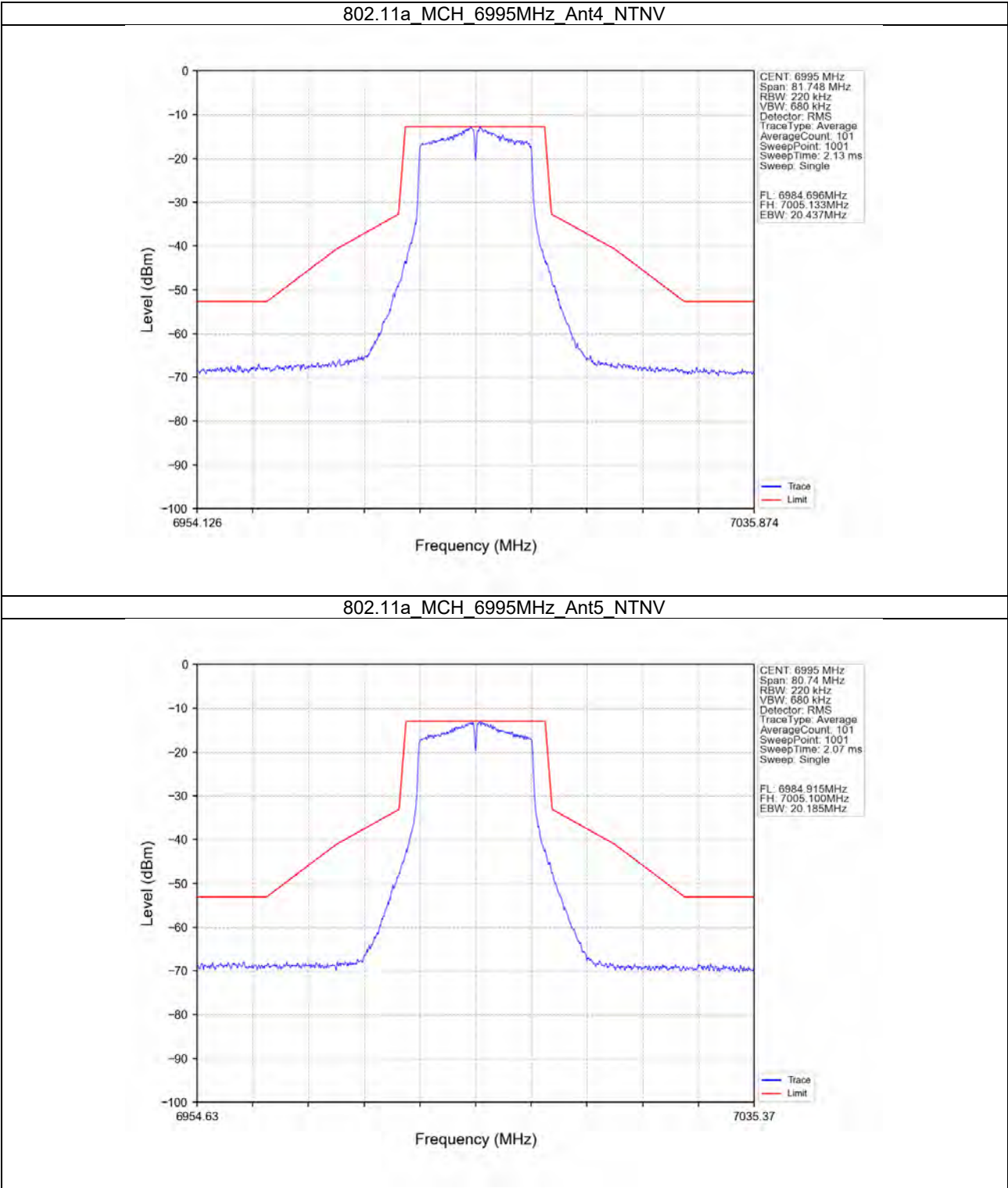
5.2.4 EMask





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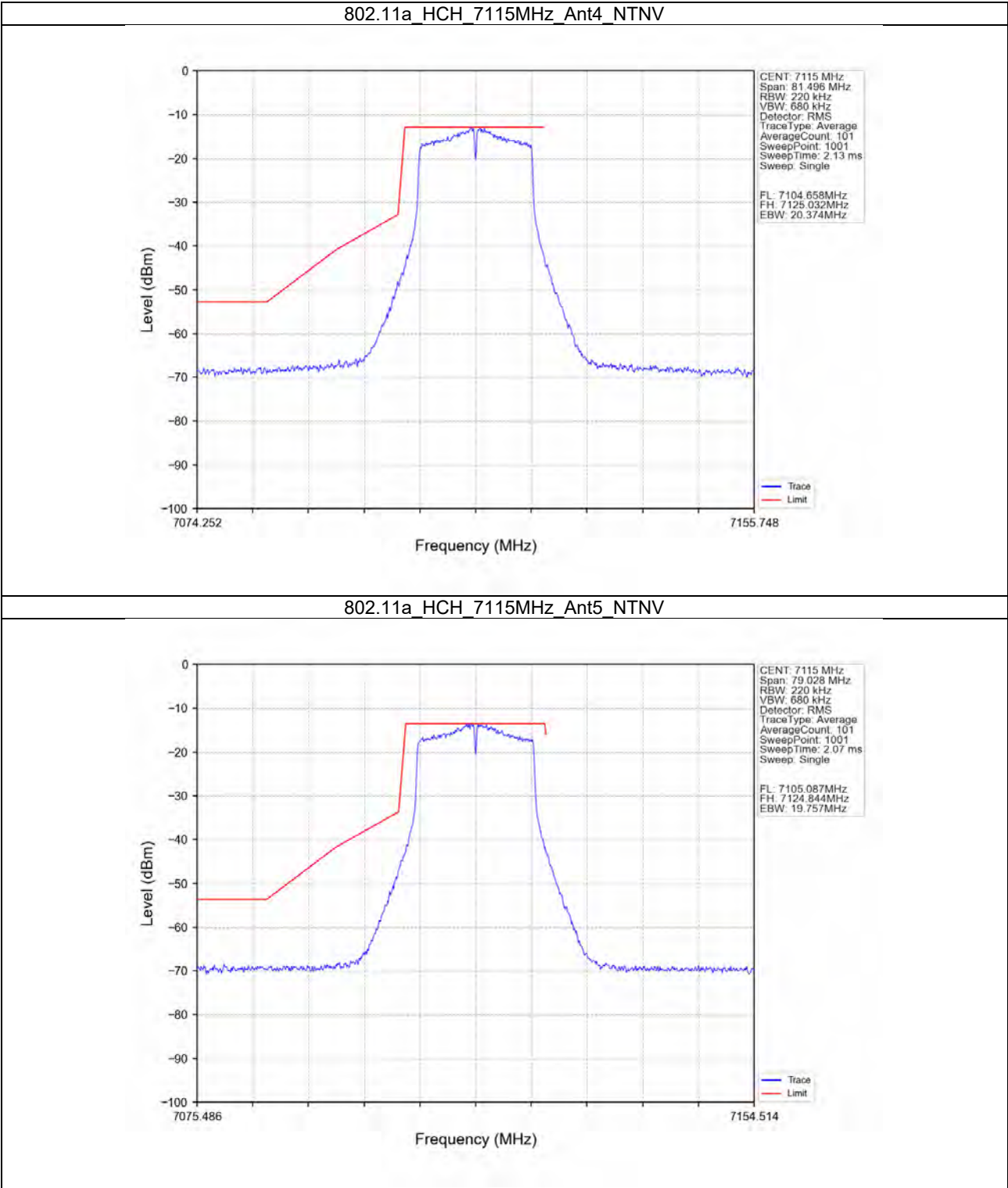
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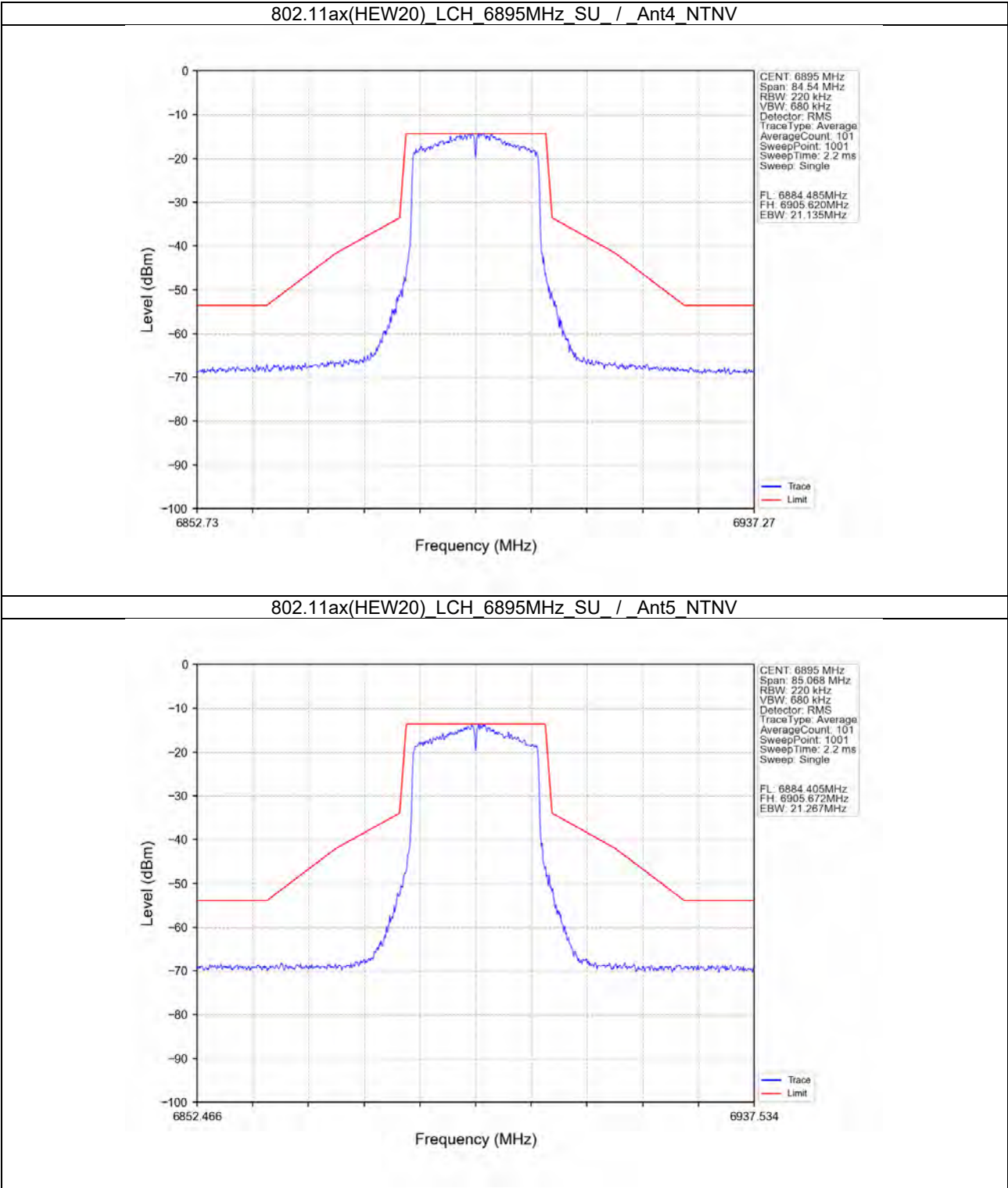
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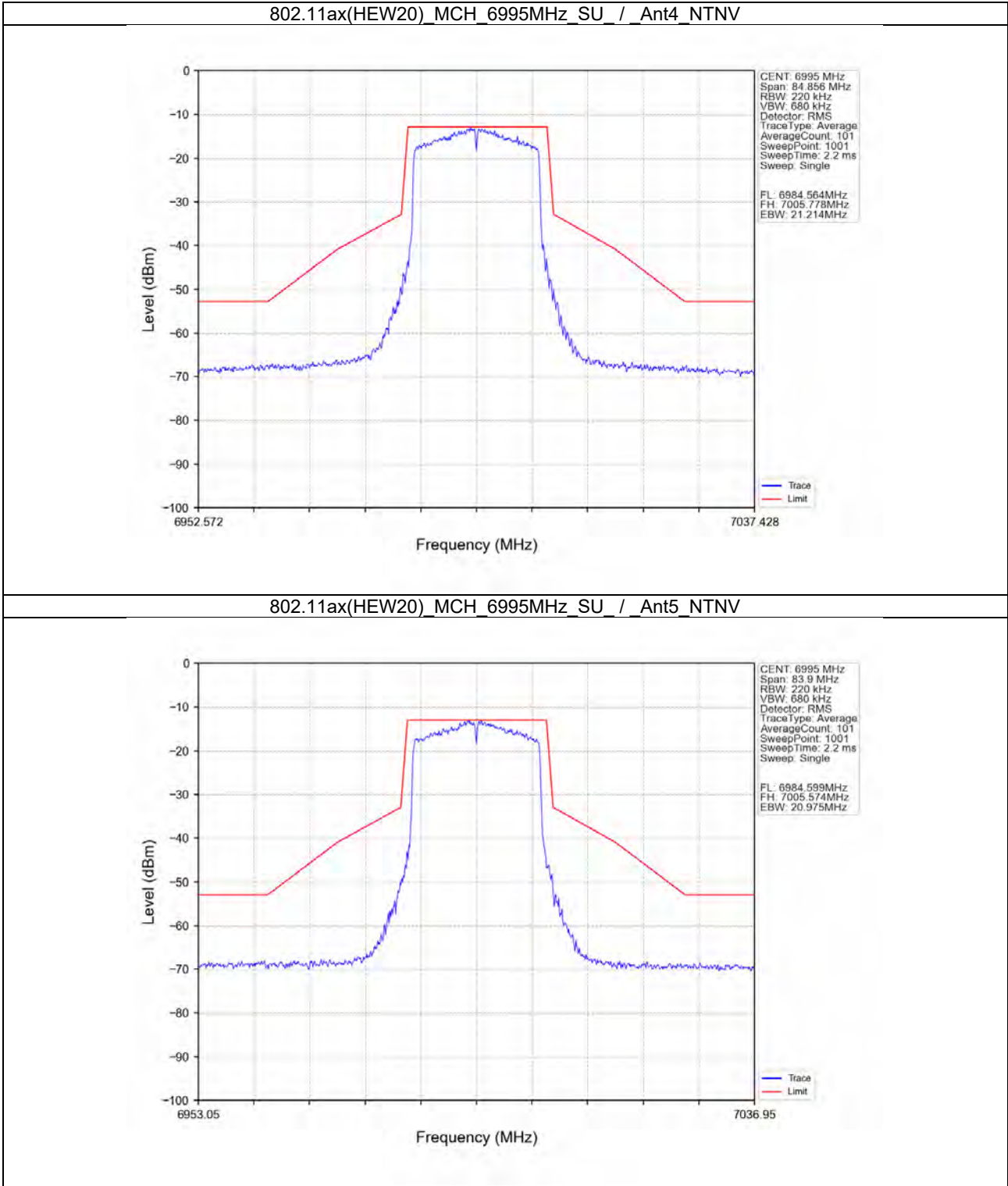
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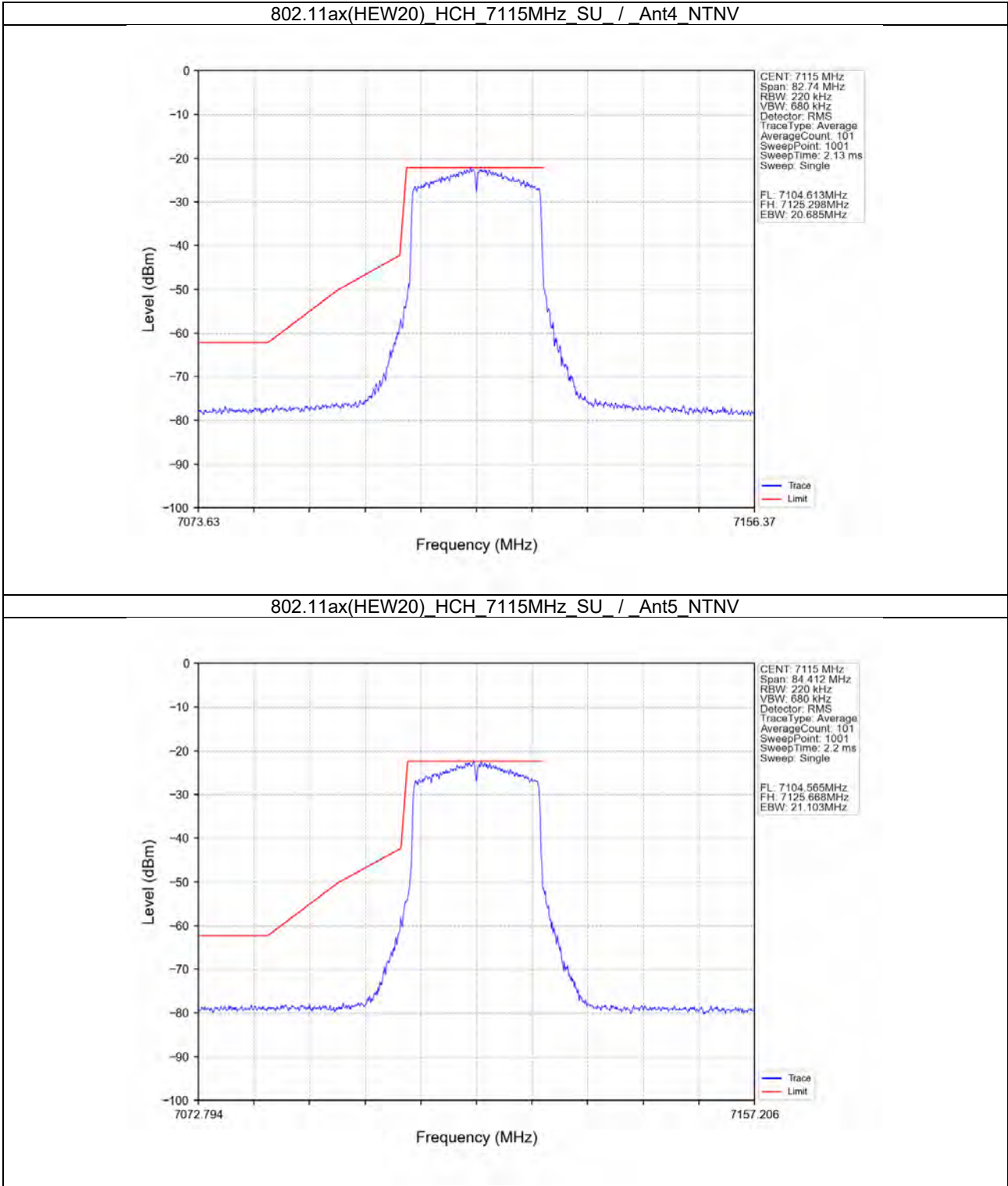
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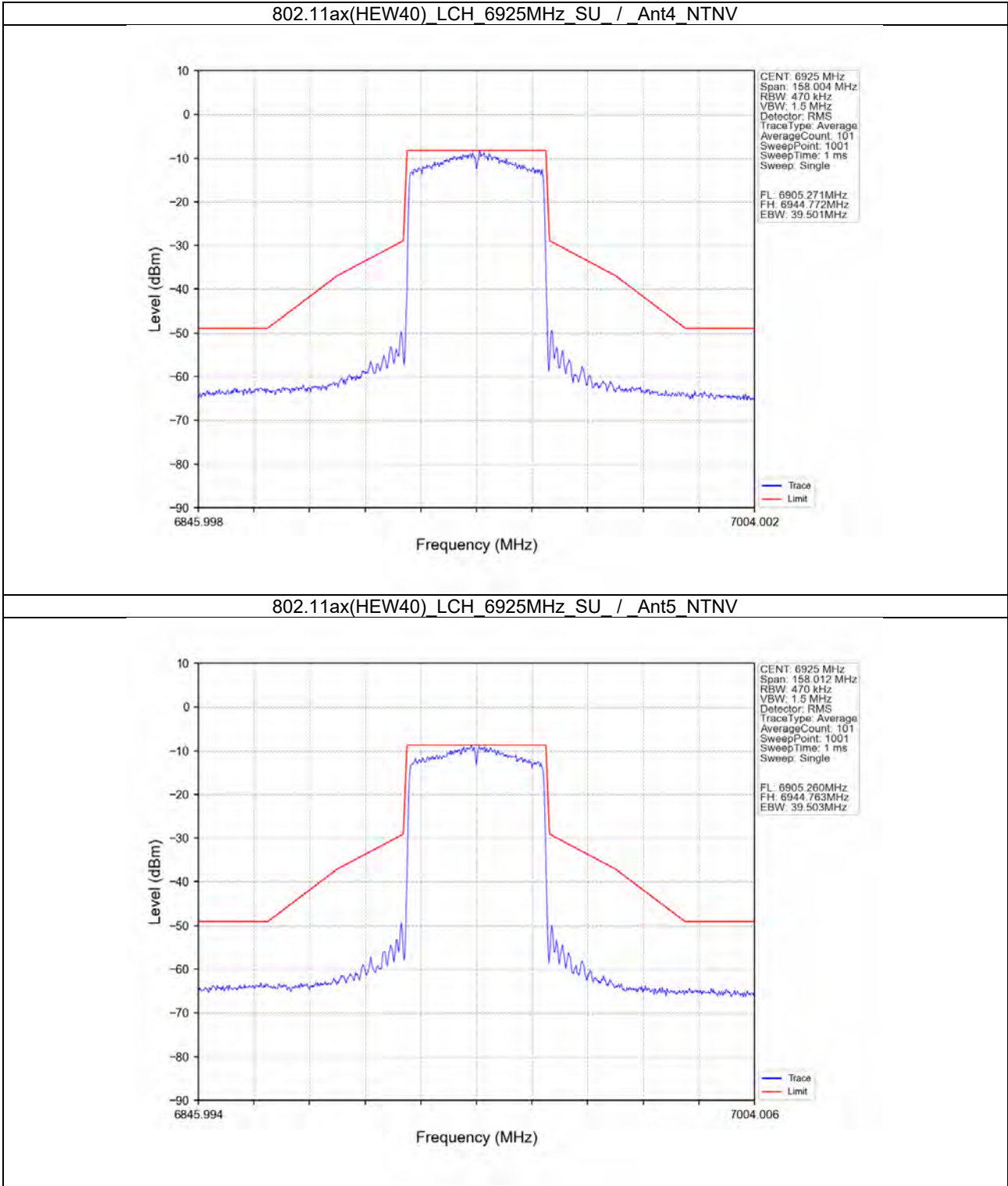
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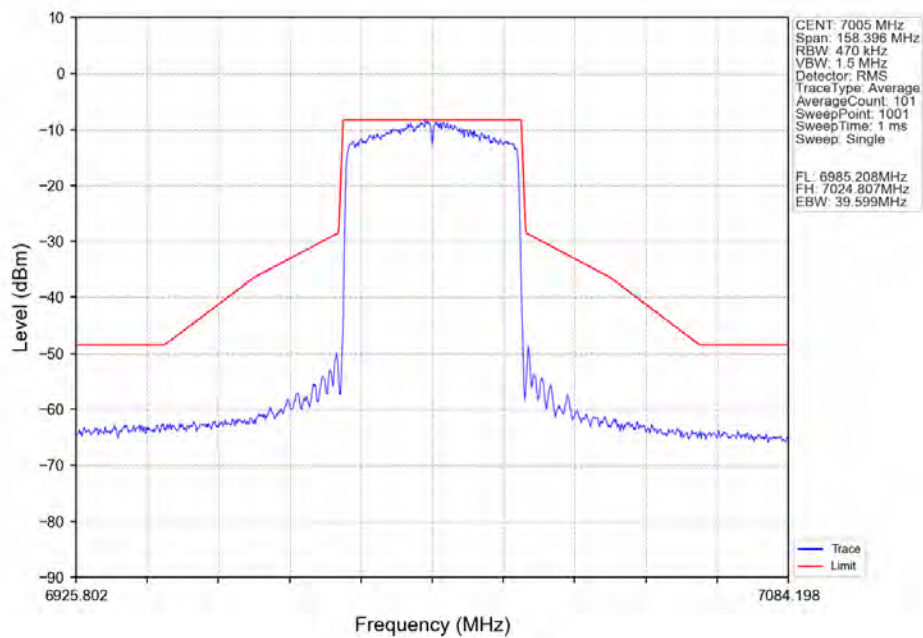




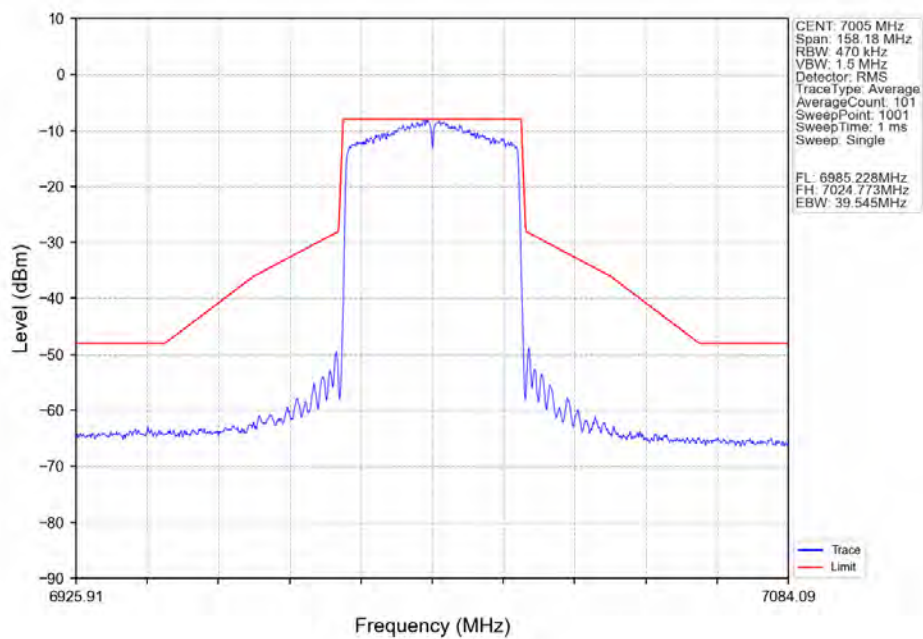
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802.11ax(HEW40)_MCH_7005MHz_SU_ / _Ant4_NTNV



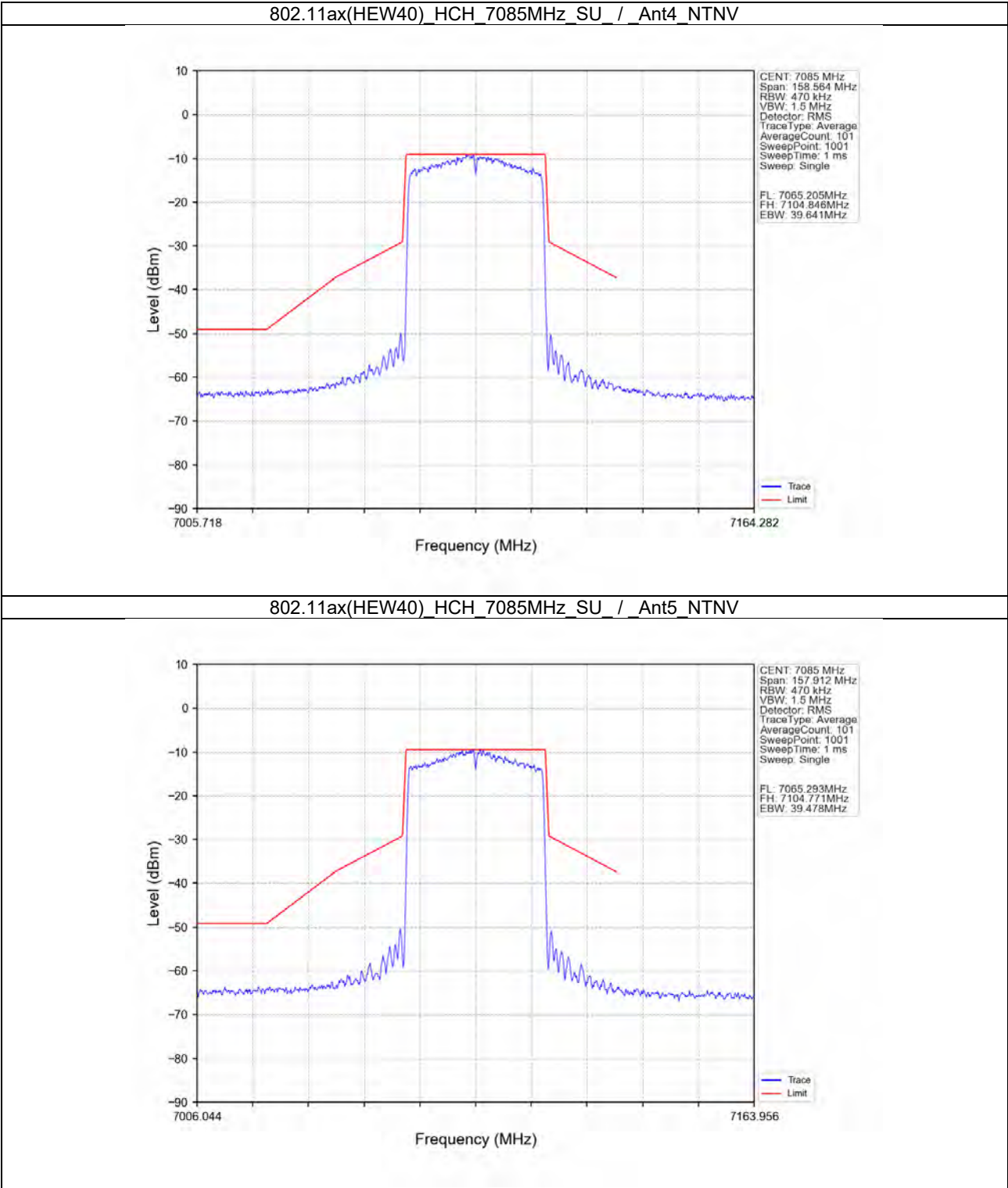
802.11ax(HEW40)_MCH_7005MHz_SU_ / _Ant5_NTNV





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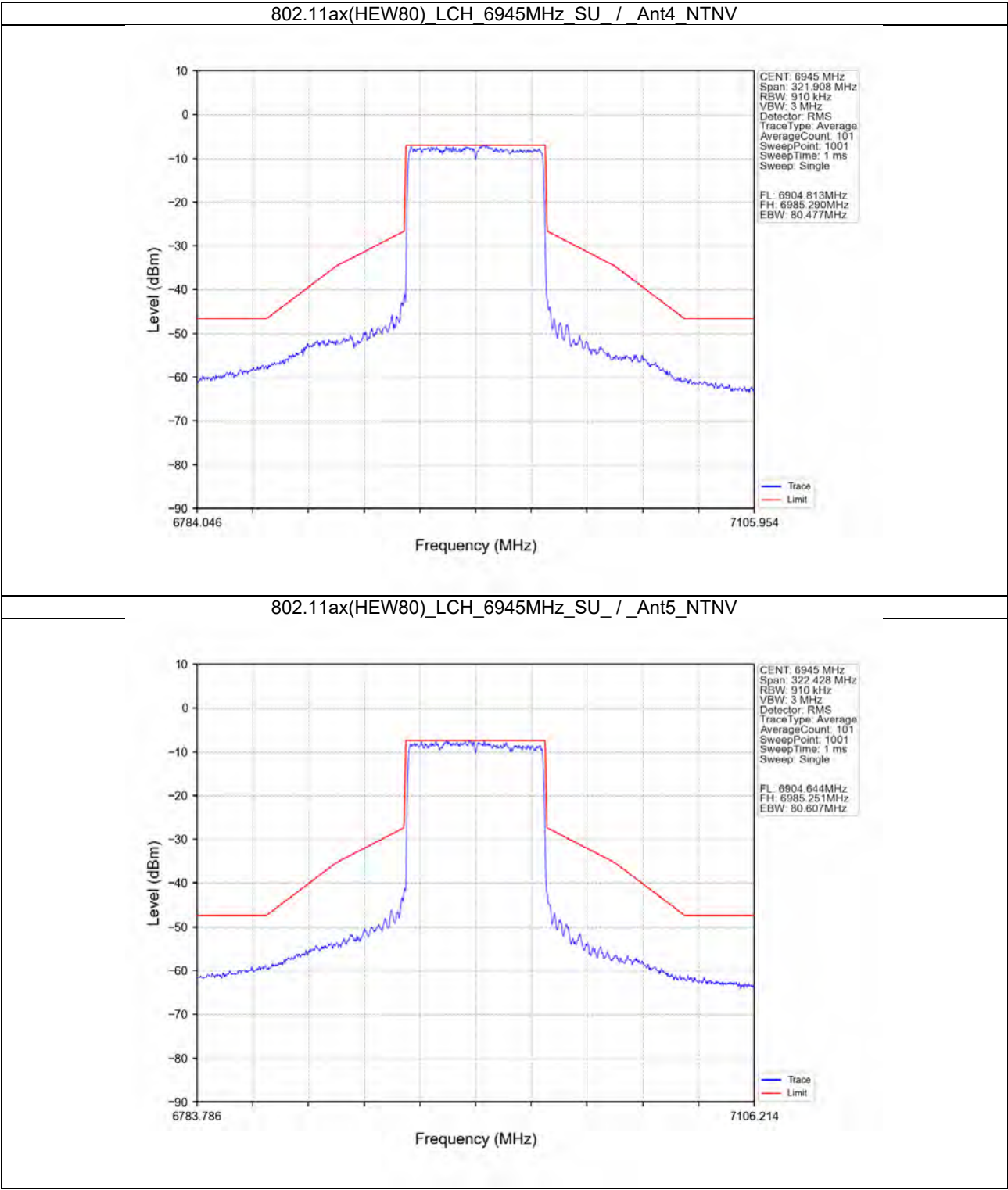
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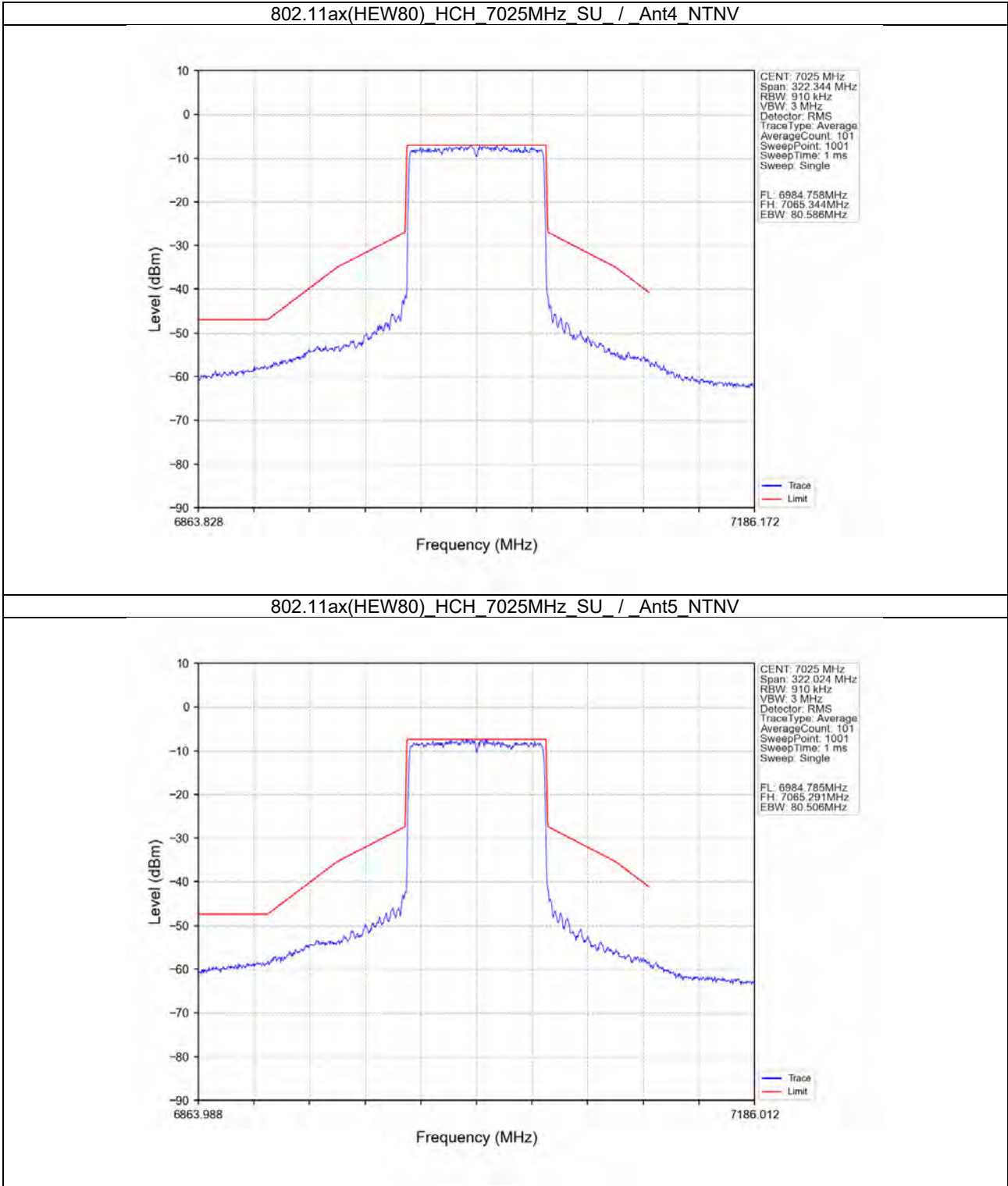
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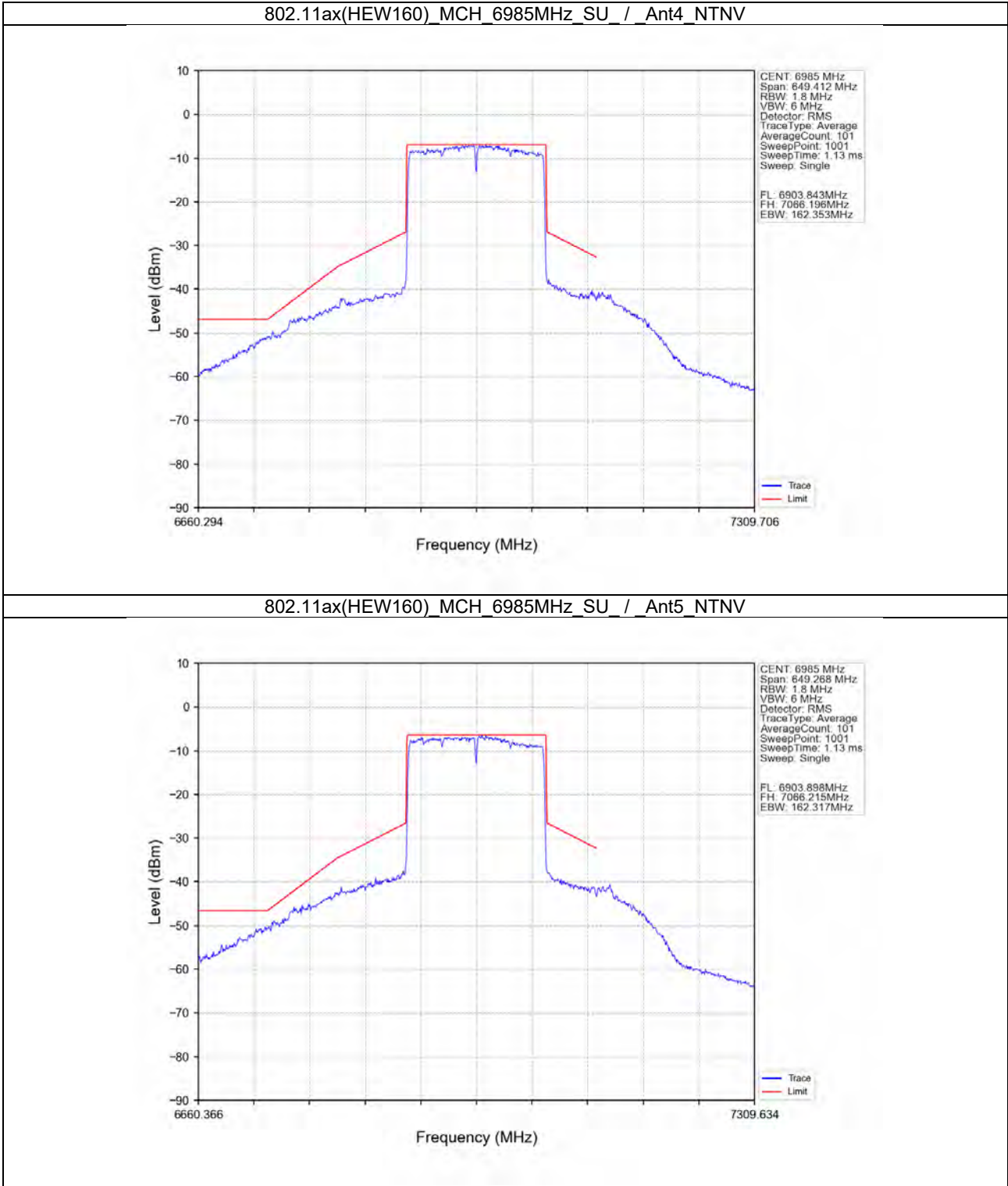
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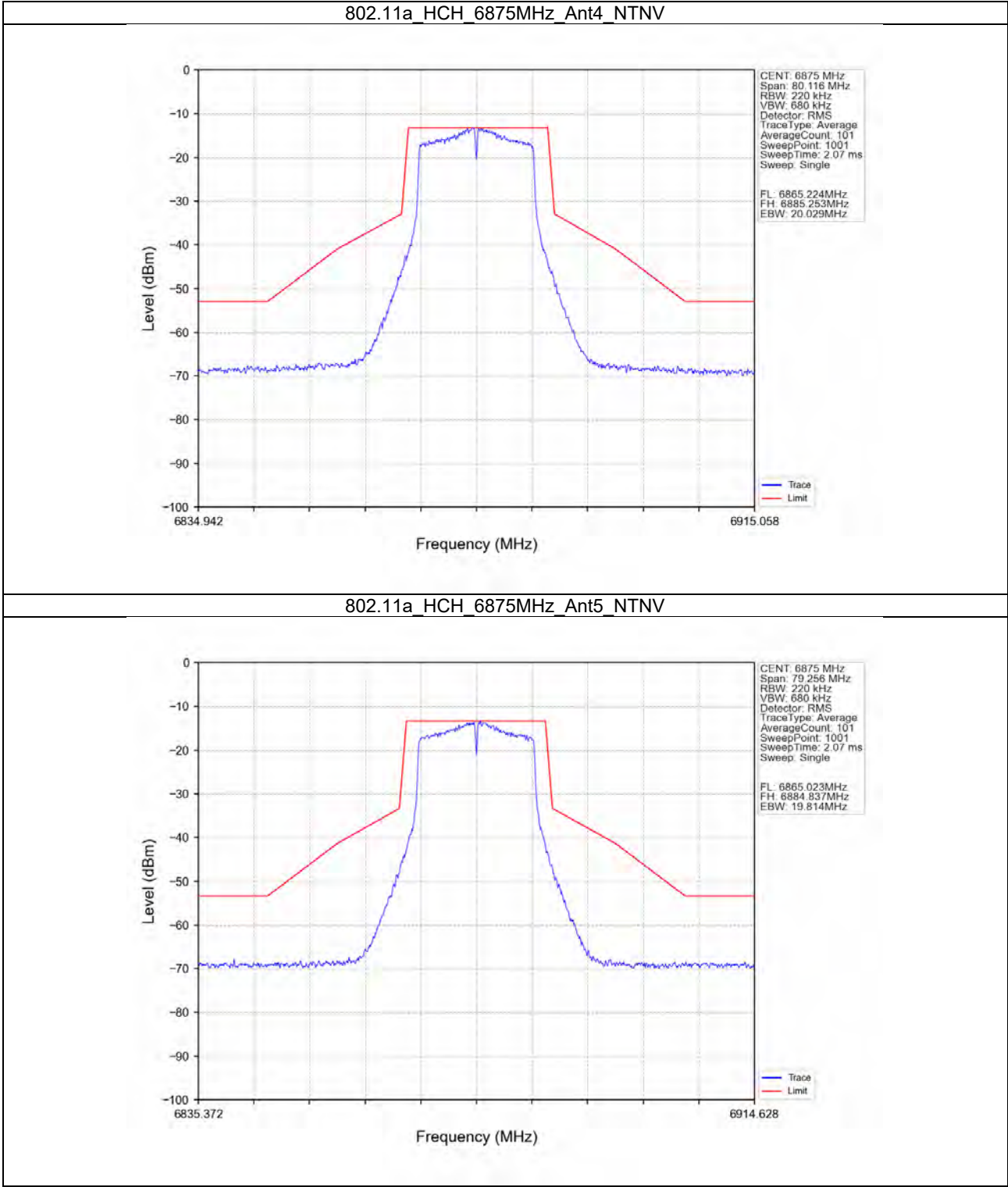




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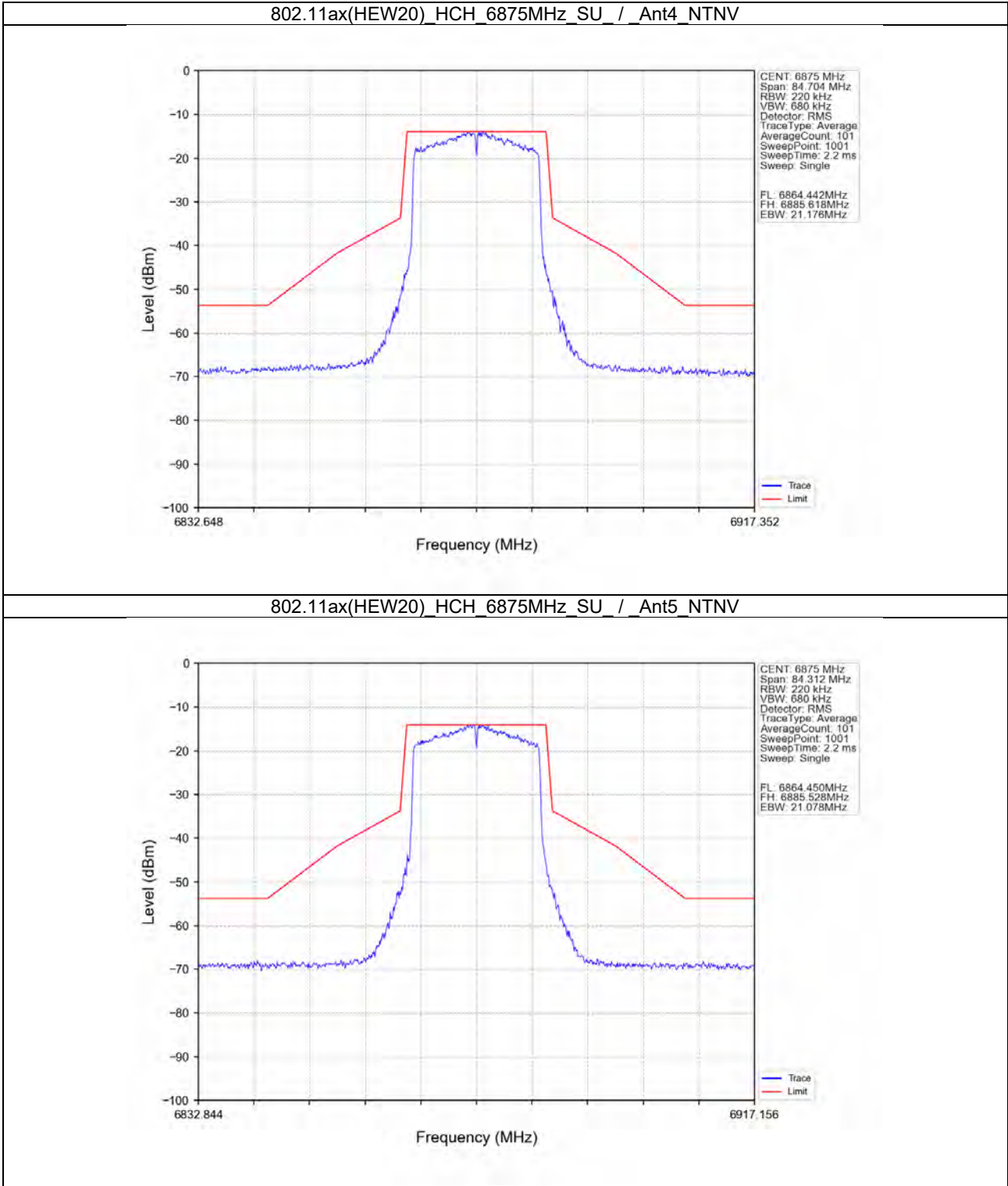
5.2.5 EMask





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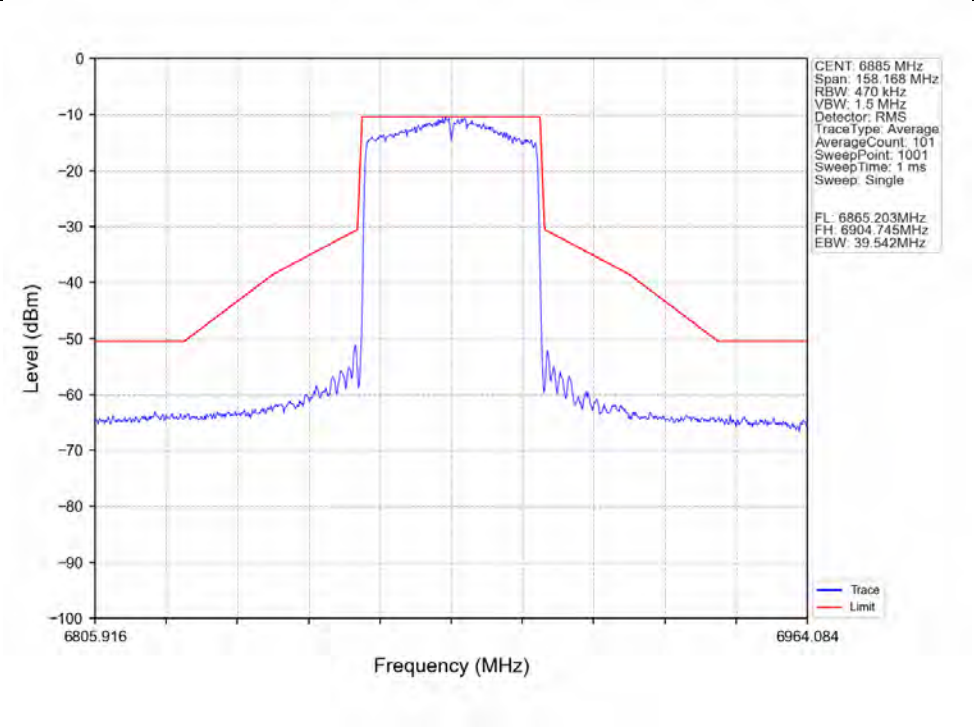




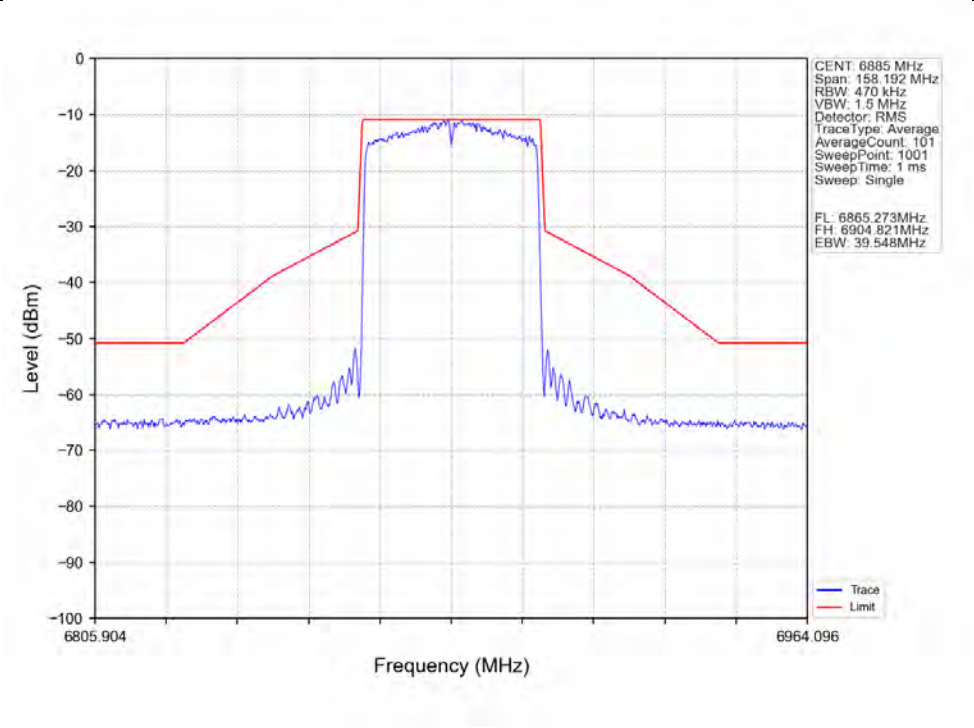
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802.11ax(HEW40)_HCH_6885MHz_SU_ / Ant4_NTNV



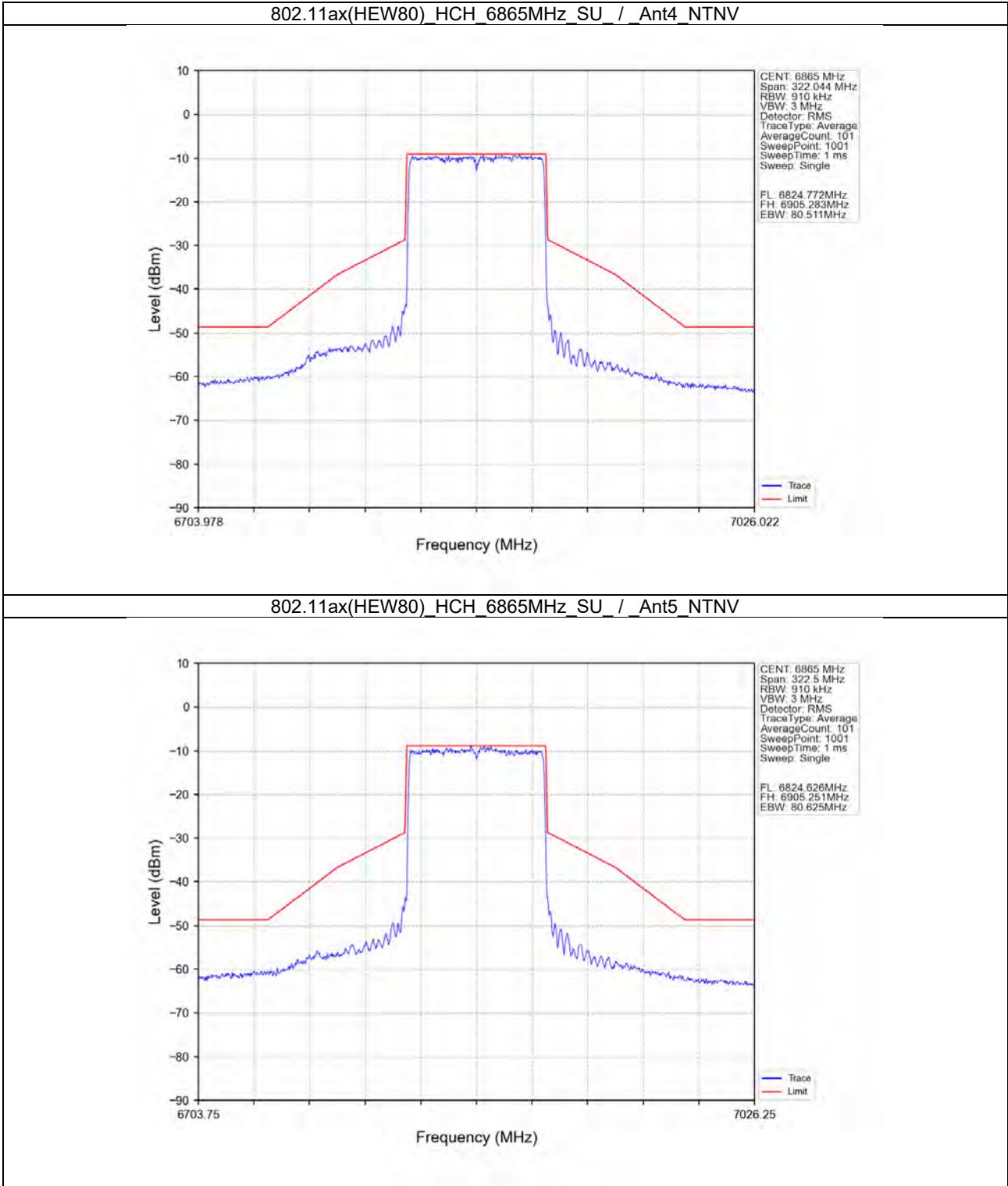
802.11ax(HEW40)_HCH_6885MHz_SU_ / Ant5_NTNV





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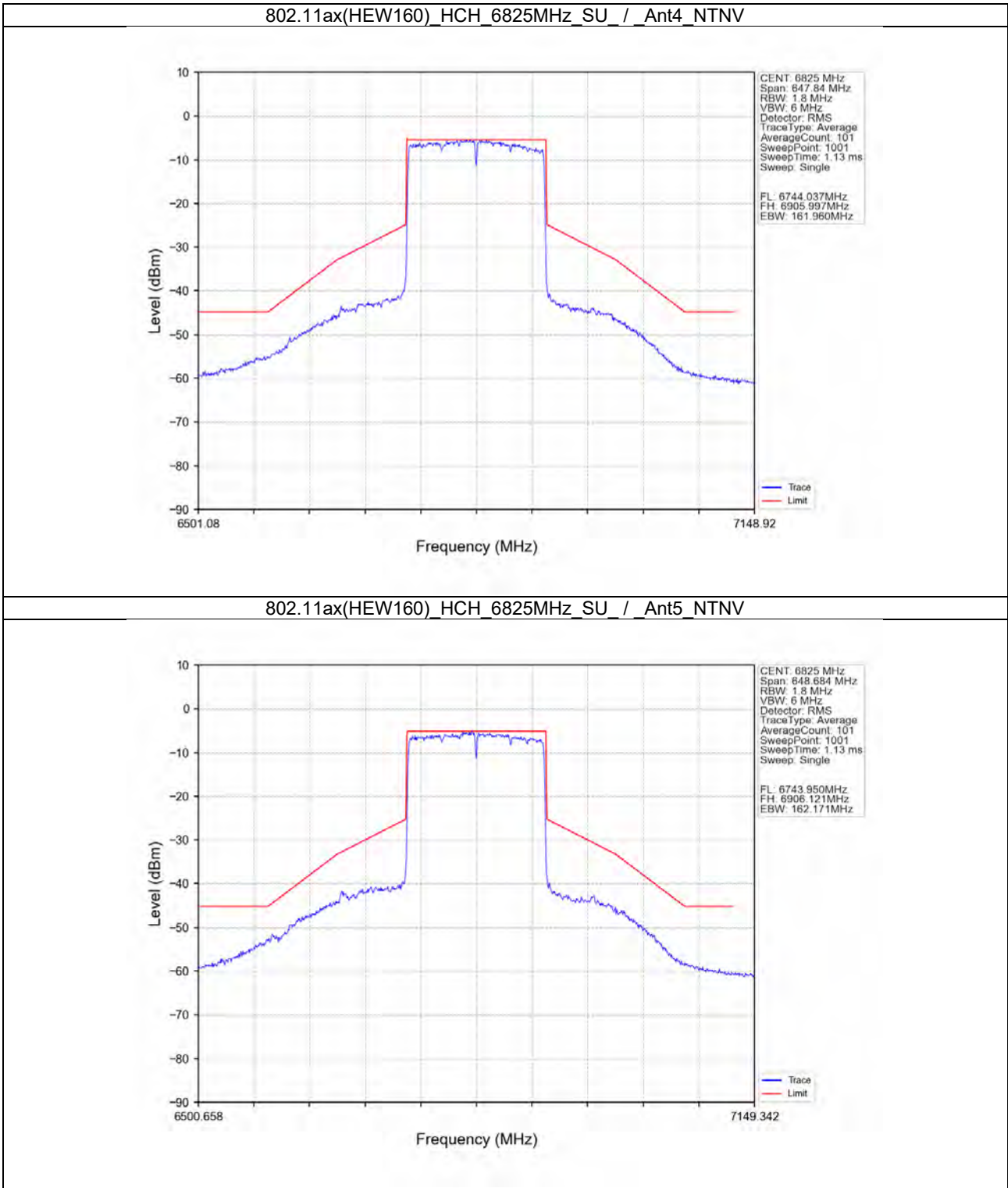
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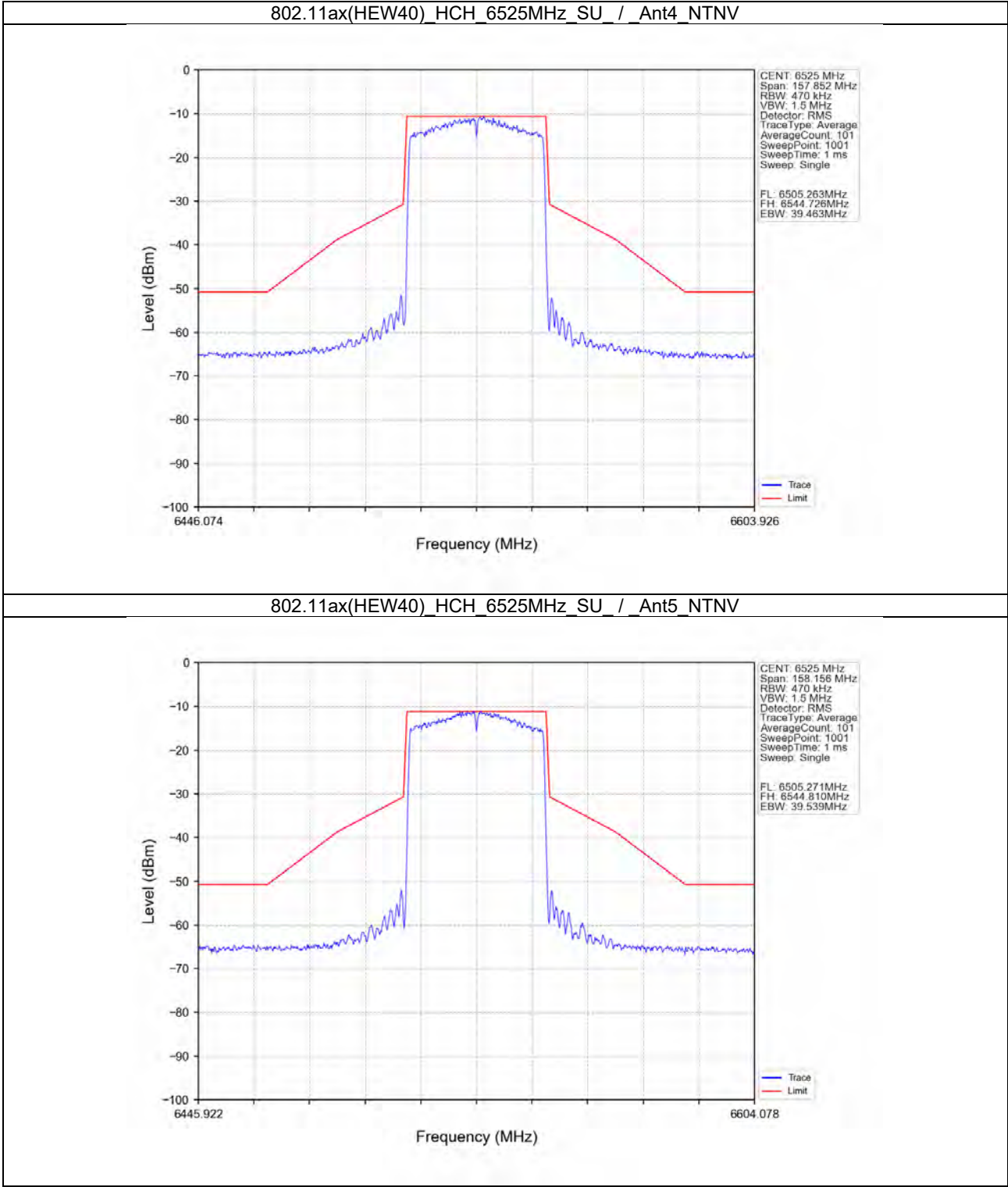




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5.2.6 EMask

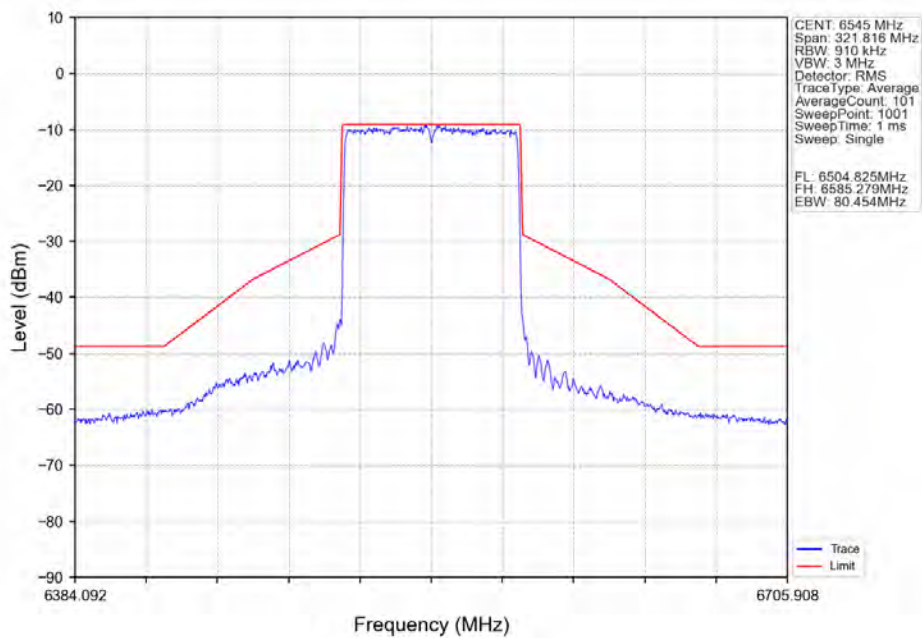




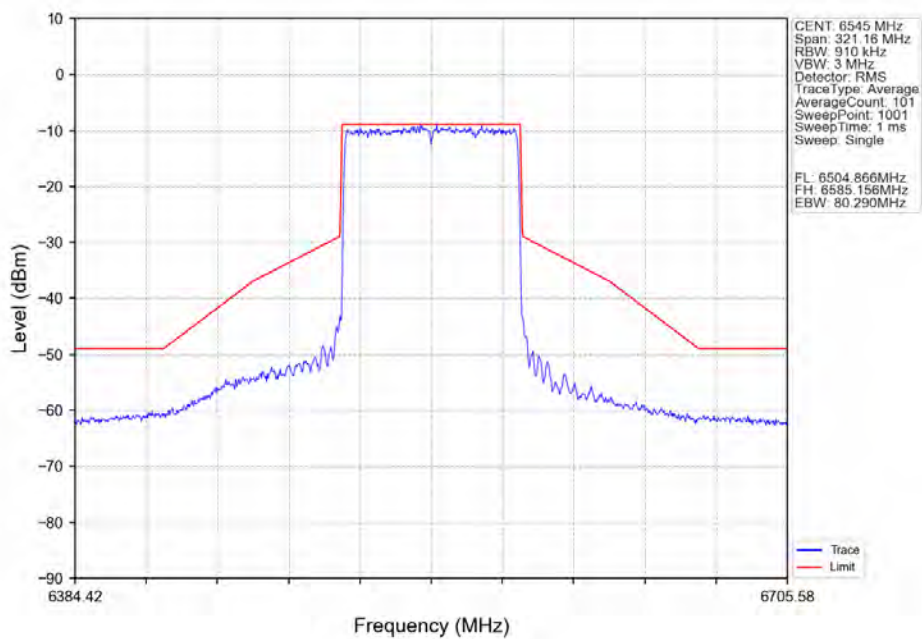
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802.11ax(HEW80)_HCH_6545MHz_SU_ / Ant4_NTNV



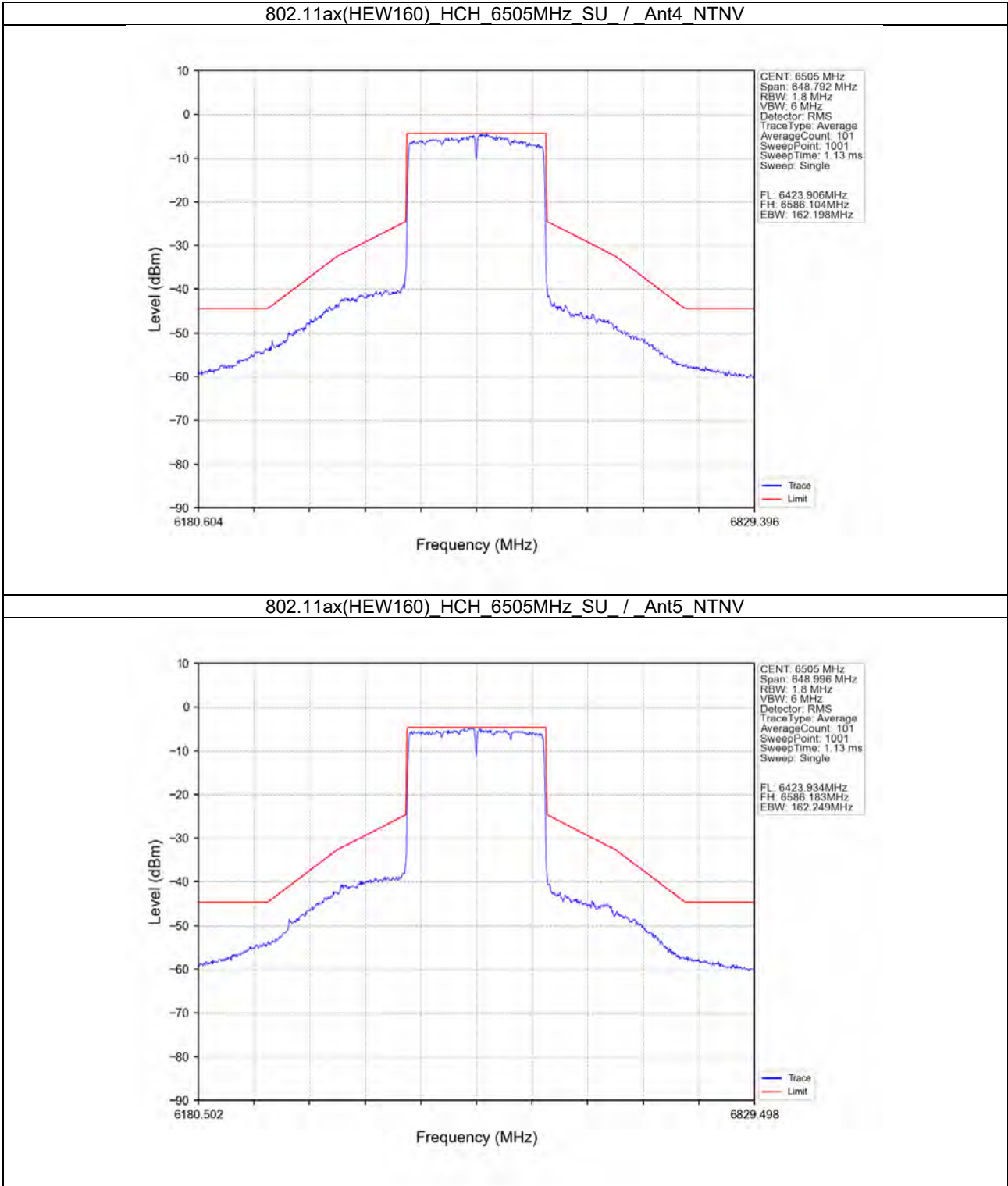
802.11ax(HEW80)_HCH_6545MHz_SU_ / Ant5_NTNV





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6. Contention Based Protocol

6.1 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	-67.81	100	-62	-63.51	-4.3	1.51
				Result: Stop Transmission					
				-68.52	<90	-62	-64.22	-4.3	2.22
				Result: Minimal Operation					
				-69.17	0	-62	-64.87	-4.3	2.87
	6185	160	6110	Result: Normal Operation					
				-70.67	100	-62	-66.37	-4.3	4.37
				Result: Stop Transmission					
				-71.63	<90	-62	-67.33	-4.3	5.33
				Result: Minimal Operation					
			6185	-72.36	0	-62	-68.06	-4.3	6.06
				Result: Normal Operation					
				-67.82	100	-62	-63.52	-4.3	1.52
				Result: Stop Transmission					
				-68.77	<90	-62	-64.47	-4.3	2.47
				Result: Minimal Operation					
			6260	-70.21	0	-62	-65.91	-4.3	3.91
				Result: Normal Operation					
				-70.2	100	-62	-65.9	-4.3	3.9
				Result: Stop Transmission					
				-70.41	<90	-62	-66.11	-4.3	4.11
				Result: Minimal Operation					
				-71.25	0	-62	-66.95	-4.3	4.95
				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	-67.76	100	-62	-64.16	-3.6	2.16
				Result: Stop Transmission					
				-68.51	<90	-62	-64.91	-3.6	2.91
				Result: Minimal Operation					
				-69.19	0	-62	-65.59	-3.6	3.59
	6505	160	6430	Result: Normal Operation					
				-68.85	100	-62	-65.25	-3.6	3.25
				Result: Stop Transmission					
				-69.81	<90	-62	-66.21	-3.6	4.21
				Result: Minimal Operation					
			6505	-70.59	0	-62	-66.99	-3.6	4.99
				Result: Normal Operation					
				-68.76	100	-62	-65.16	-3.6	3.16
				Result: Stop Transmission					
				-69.63	<90	-62	-66.03	-3.6	4.03
				Result: Minimal Operation					
				-70.49	0	-62	-66.89	-3.6	4.89
				Result: Normal Operation					
			6580	-69.21	100	-62	-65.61	-3.6	3.61
				Result: Stop Transmission					
				-69.51	<90	-62	-65.91	-3.6	3.91
				Result: Minimal Operation					
				-70.02	0	-62	-66.42	-3.6	4.42
				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 7	6695	20	6695	-67.82	100	-62	-65.82	-2	3.82
				Result: Stop Transmission					
				-68.51	<90	-62	-66.51	-2	4.51
				Result: Minimal Operation					
				-69.22	0	-62	-67.22	-2	5.22
	6665	160	6590	Result: Normal Operation					
				-72.88	100	-62	-70.88	-2	8.88
				Result: Stop Transmission					
				-73.98	<90	-62	-71.98	-2	9.98
				Result: Minimal Operation					
			6665	-74.66	0	-62	-72.66	-2	10.66
				Result: Normal Operation					
				-68.35	100	-62	-66.35	-2	4.35
				Result: Stop Transmission					
				-69.32	<90	-62	-67.32	-2	5.32
				Result: Minimal Operation					
			6740	-71.05	0	-62	-69.05	-2	7.05
				Result: Normal Operation					
				-72.27	100	-62	-70.27	-2	8.27
				Result: Stop Transmission					
				-73.71	<90	-62	-71.71	-2	9.71
				Result: Minimal Operation					
				-74.04	0	-62	-72.04	-2	10.04
				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 8	6995	20	6995	-67.48	100	-62	-64.48	-3	2.48
				Result: Stop Transmission					
				-68.22	<90	-62	-65.22	-3	3.22
				Result: Minimal Operation					
				-68.96	0	-62	-65.96	-3	3.96
	6985	160	6910	Result: Normal Operation					
				-71.59	100	-62	-68.59	-3	6.59
				Result: Stop Transmission					
				-72.49	<90	-62	-69.49	-3	7.49
				Result: Minimal Operation					
			6985	-73.27	0	-62	-70.27	-3	8.27
				Result: Normal Operation					
				-67.94	100	-62	-64.94	-3	2.94
				Result: Stop Transmission					
				-68.89	<90	-62	-65.89	-3	3.89
				Result: Minimal Operation					
			7060	-71.61	0	-62	-68.61	-3	6.61
				Result: Normal Operation					
				-68.75	100	-62	-65.75	-3	3.75
				Result: Stop Transmission					
				-69.26	<90	-62	-66.26	-3	4.26
				Result: Minimal Operation					
				-72.5	0	-62	-69.5	-3	7.5
				Result: Normal Operation					

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

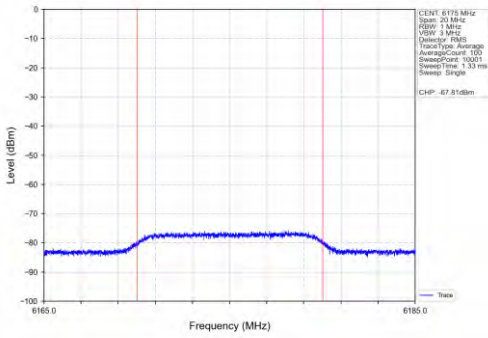
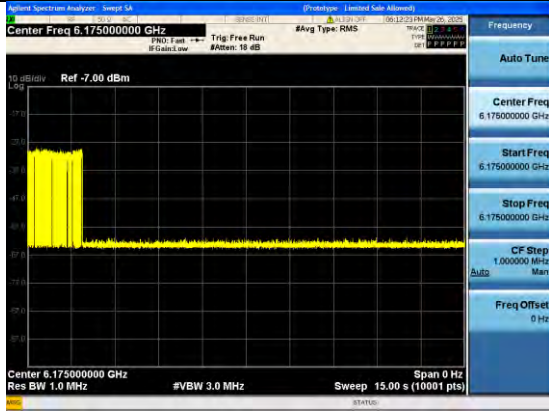
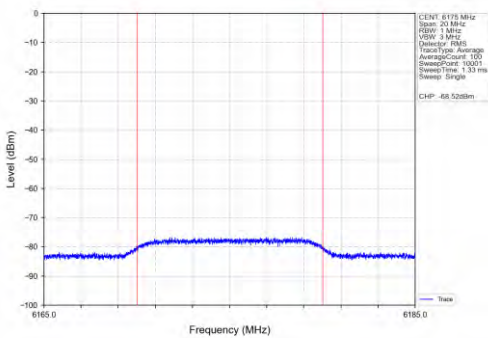
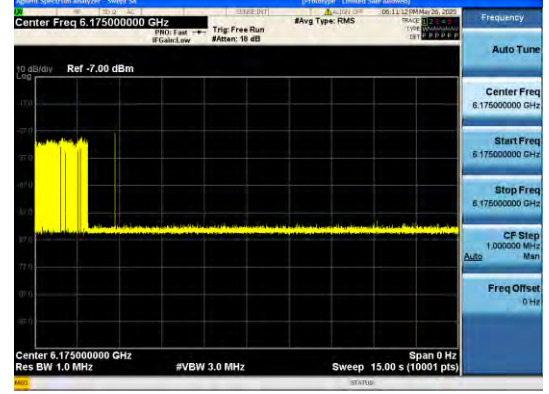
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6.2 Test Graphs

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
	

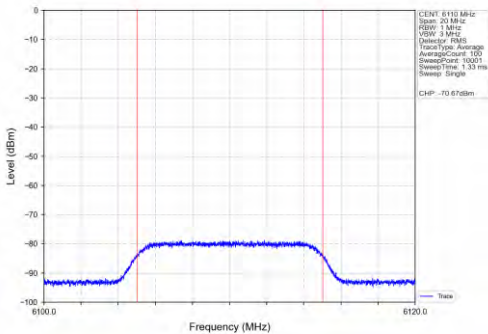
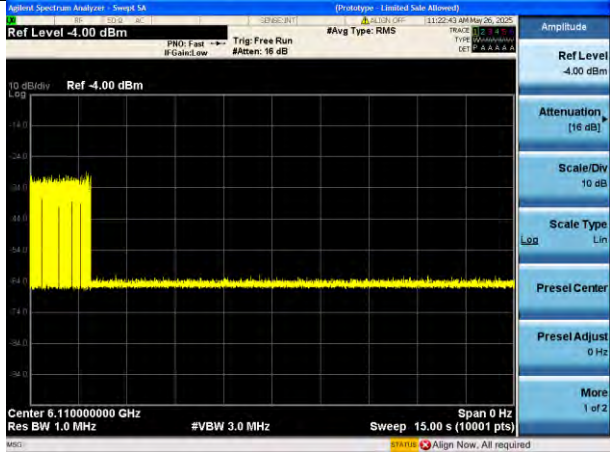
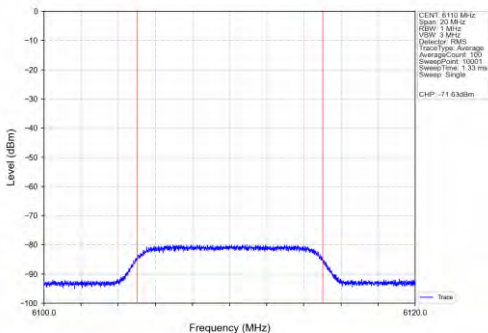
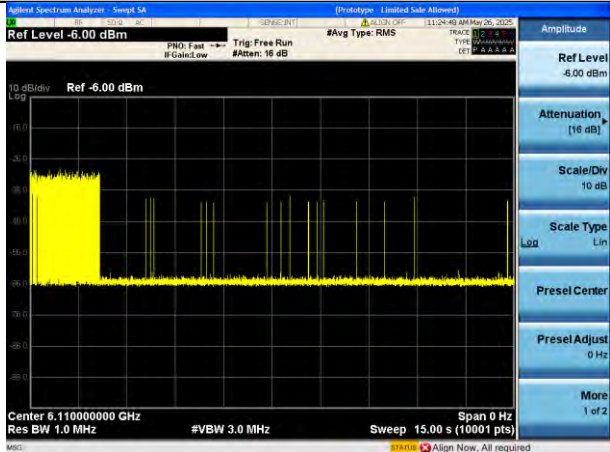


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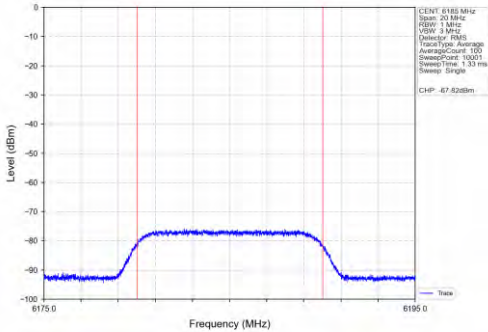
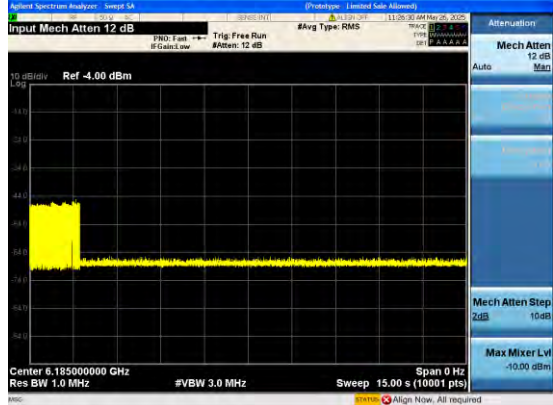
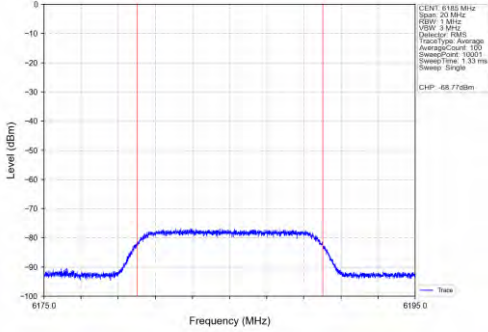
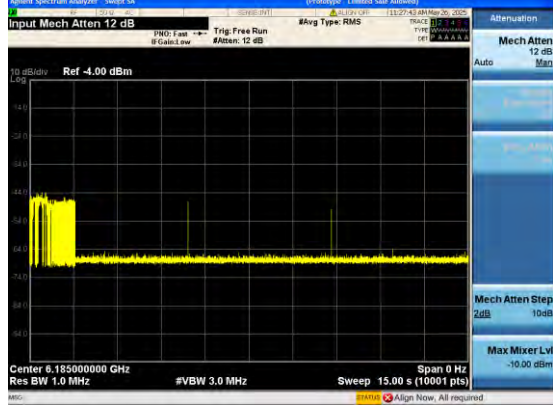
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Contention Based Protocol Result on U-NII 5 (AWGN Interference)	
802.11 ax (HE160) /6110MHz Threshold Level (TL)	802.11 ax (HE160) /6110MHz Test Result is pass due to no transmission occur.
 Level (dBm) Frequency (MHz) Center 6110 MHz Span 20 MHz RBW 1 MHz VBW 3 MHz Detector RMS TraceType Average AverageCount 100 SweepPoint 10001 SweepTime 1.33 ms Sweep Single CHP -70.67 dBm	 Ref Level -4.00 dBm Center 6.110000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 15.00 s (10001 pts) Span 0 Hz
802.11 ax (HE160) /6110MHz Threshold Level (TL)	802.11 ax (HE160) /6110MHz Transmission when the interferer is Minimal Operation
 Level (dBm) Frequency (MHz) Center 6110 MHz Span 20 MHz RBW 1 MHz VBW 3 MHz Detector RMS TraceType Average AverageCount 100 SweepPoint 10001 SweepTime 1.33 ms Sweep Single CHP -71.63 dBm	 Ref Level -6.00 dBm Center 6.110000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 15.00 s (10001 pts) Span 0 Hz



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Contention Based Protocol Result on U-NII 5 (AWGN Interference)	
802.11 ax (HE160) /6185MHz Threshold Level (TL)	802.11 ax (HE160) /6185MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE160) /6185MHz Threshold Level (TL)	802.11 ax (HE160) /6185MHz Transmission when the interferer is Minimal Operation
	

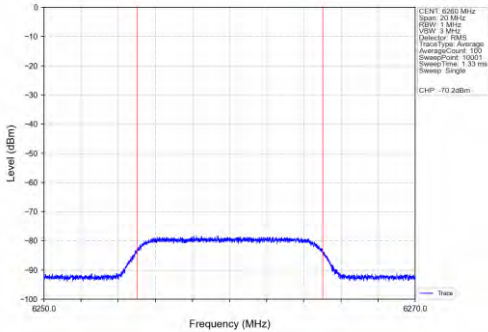
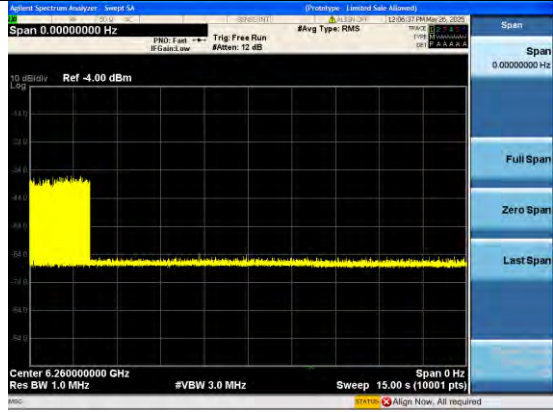
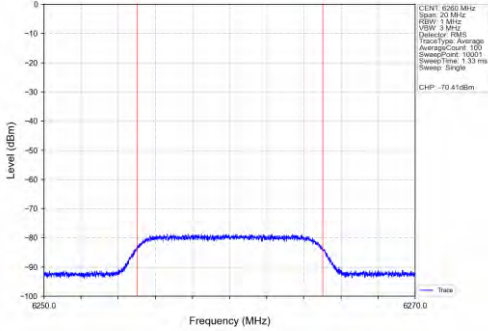
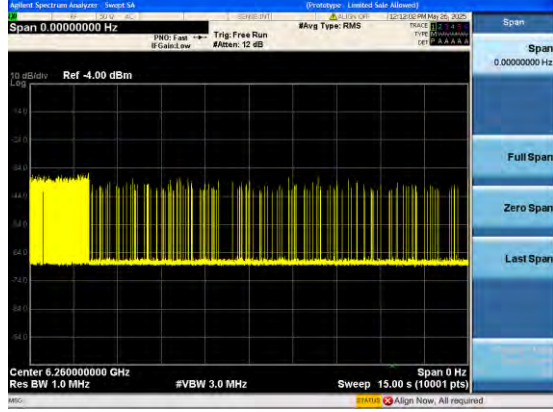


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Contention Based Protocol Result on U-NII 5 (AWGN Interference)	
802.11 ax (HE160) /6260MHz Threshold Level (TL)	802.11 ax (HE160) /6260MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE160) /6260MHz Threshold Level (TL)	802.11 ax (HE160) /6260MHz Transmission when the interferer is Minimal Operation
	



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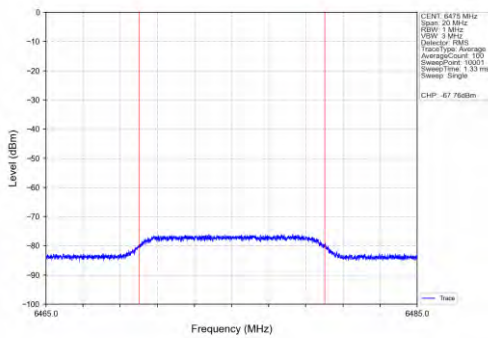
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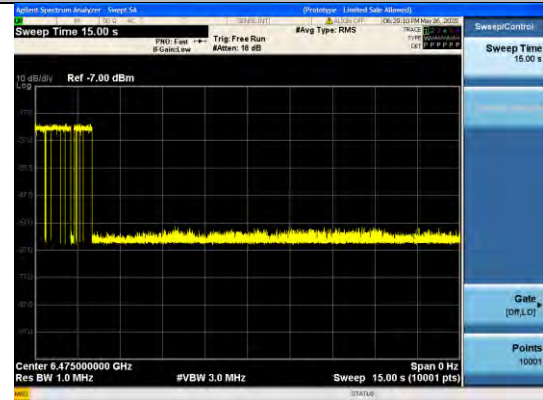
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Contention Based Protocol Result on U-NII 6 (AWGN Interference)

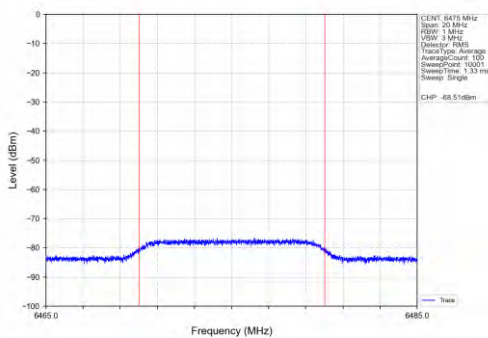
802.11 ax (HE20) /6475MHz
Threshold Level (TL)



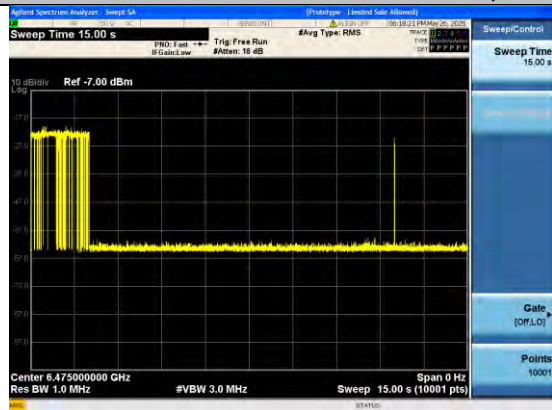
802.11 ax (HE20) 6475MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE20) /6475MHz
Threshold Level (TL)



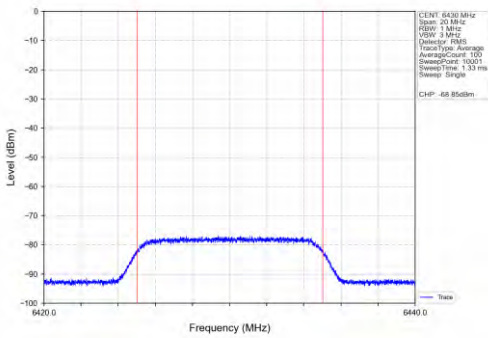
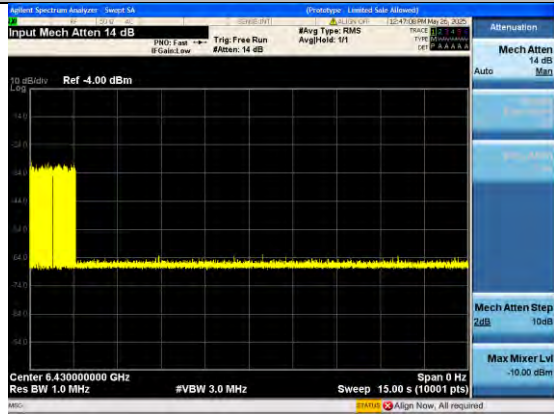
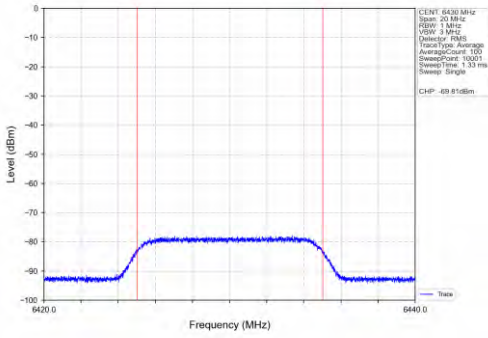
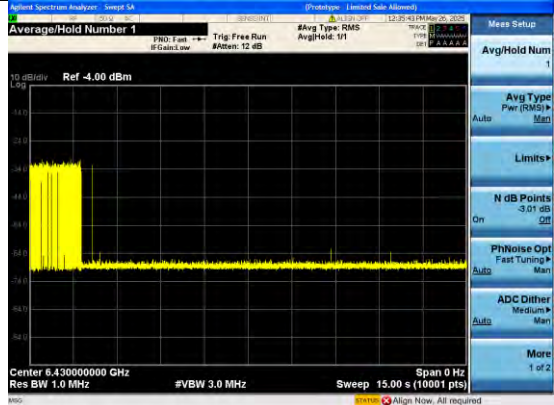
802.11 ax (HE20) /6475MHz
Transmission when the interferer is Minimal Operation





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Contention Based Protocol Result on U-NII 6 (AWGN Interference)	
802.11 ax (HE160) /6430MHz Threshold Level (TL)	802.11 ax (HE160) /6430MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE160) /6430MHz Threshold Level (TL)	802.11 ax (HE160) /6430MHz Transmission when the interferer is Minimal Operation
	



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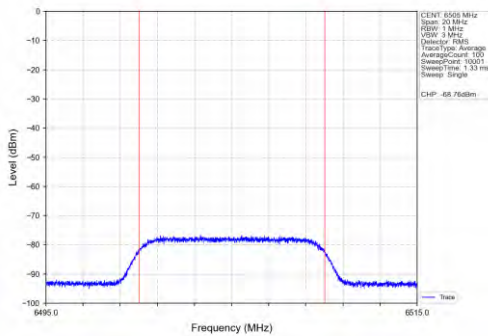
Report No.: SUCR250400034207

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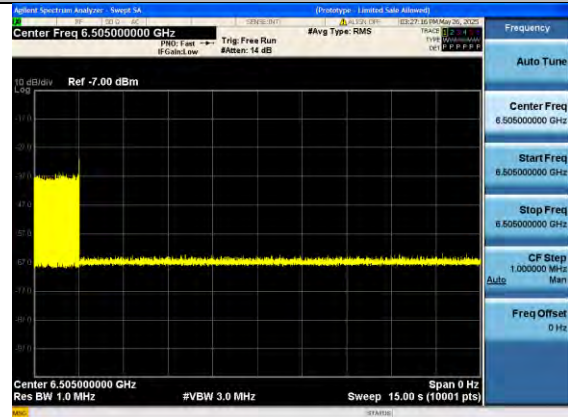
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Contention Based Protocol Result on U-NII 6 (AWGN Interference)

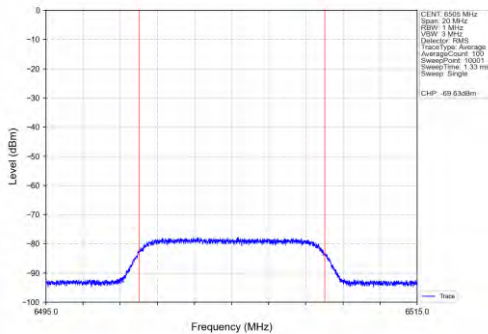
802.11 ax (HE160) /6505MHz
Threshold Level (TL)



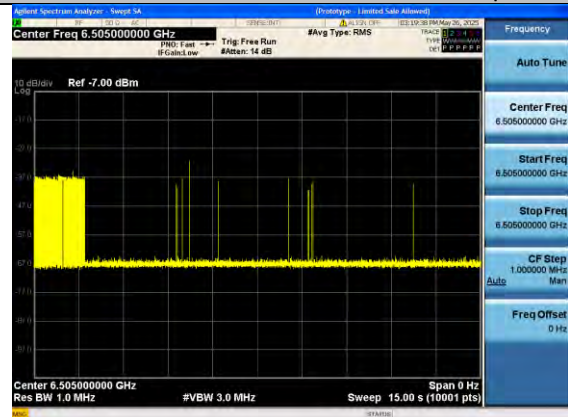
802.11 ax (HE160) /6505MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE160) /6505MHz
Threshold Level (TL)



802.11 ax (HE160) /6505MHz
Transmission when the interferer is Minimal Operation





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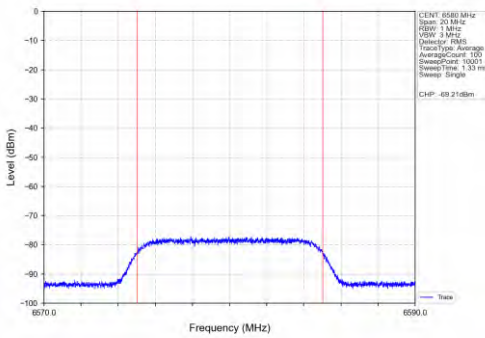
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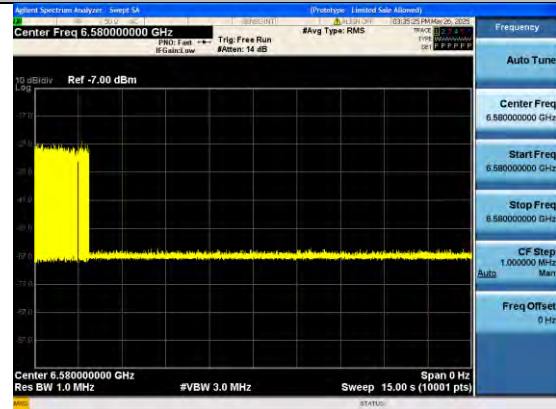
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Contention Based Protocol Result on U-NII 6 (AWGN Interference)

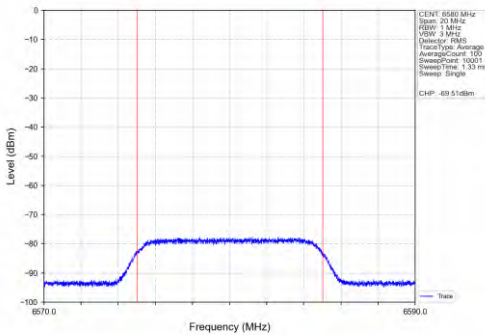
802.11 ax (HE160) /6580MHz
Threshold Level (TL)



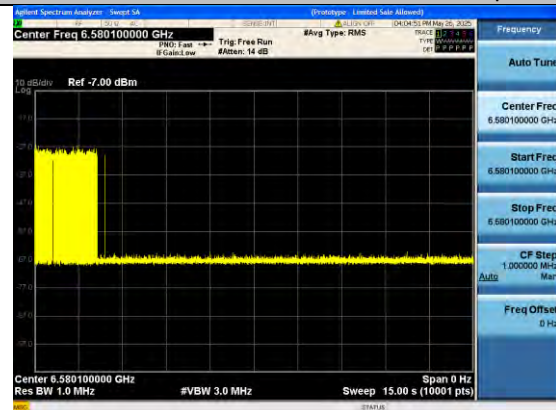
802.11 ax (HE160) /6580MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE160) /6580MHz
Threshold Level (TL)



802.11 ax (HE160) /6580MHz
Transmission when the interferer is Minimal Operation





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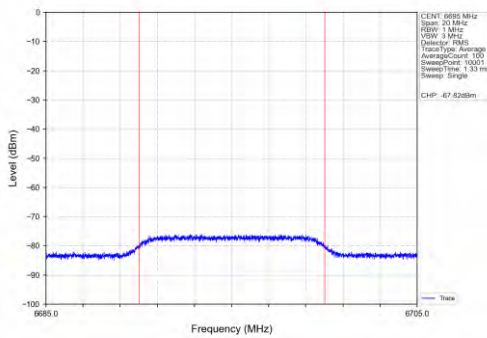
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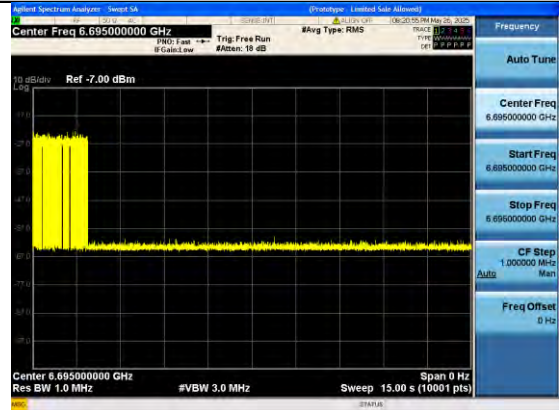
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Contention Based Protocol Result on U-NII 7 (AWGN Interference)

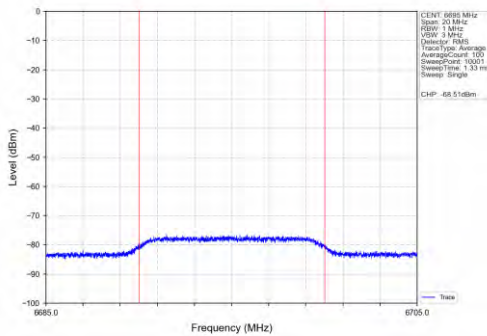
802.11 ax (HE20) /6695MHz
Threshold Level (TL)



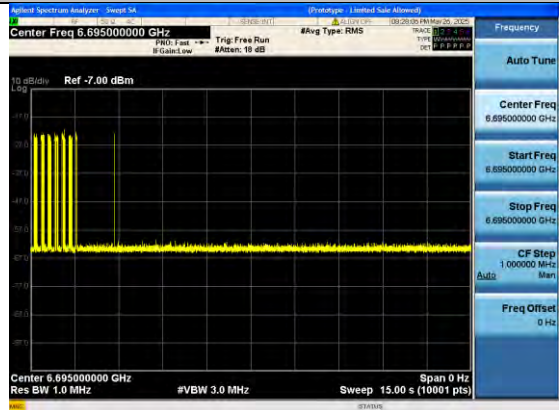
802.11 ax (HE20) /6695MHz
Test Result is pass due to no transmission occur.



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



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





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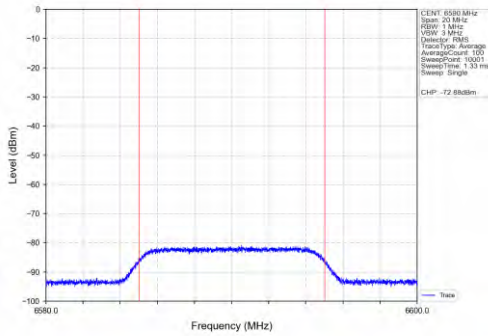
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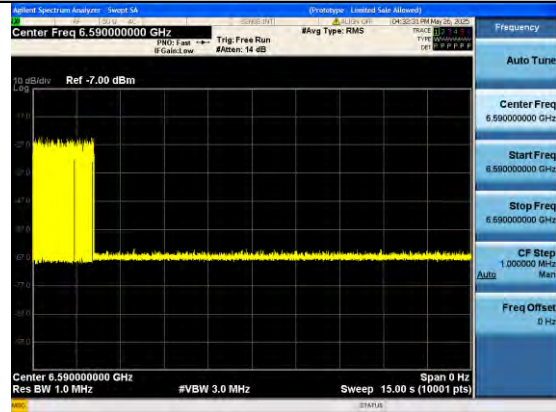
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Contention Based Protocol Result on U-NII 7 (AWGN Interference)

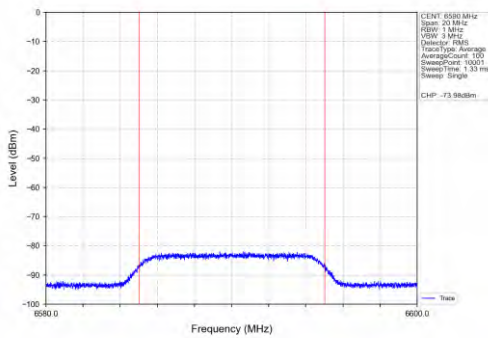
802.11 ax (HE160) /6590MHz
Threshold Level (TL)



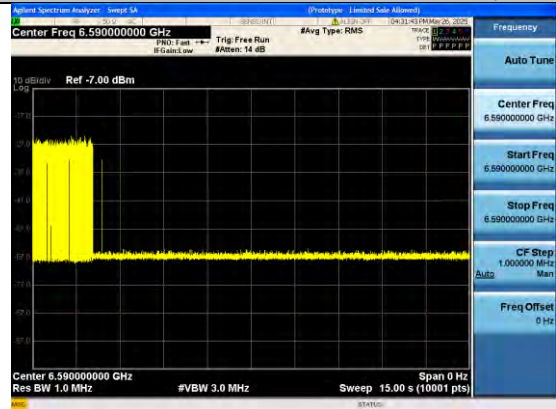
802.11 ax (HE160) /6590MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE160) /6590MHz
Threshold Level (TL)



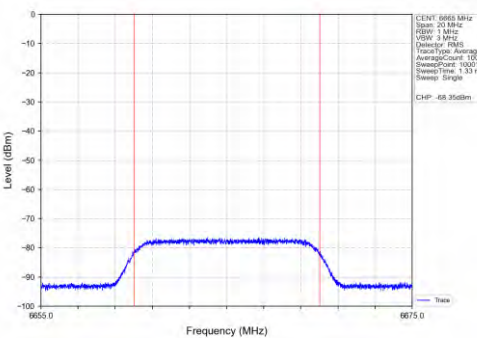
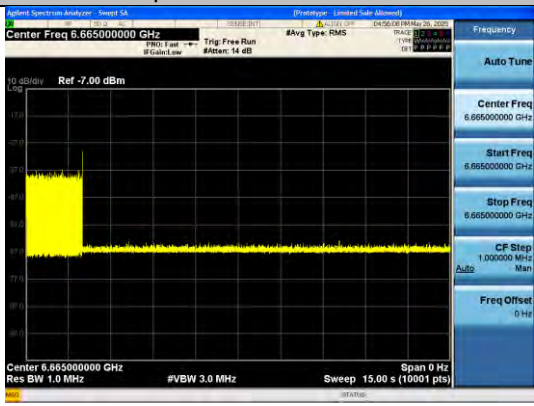
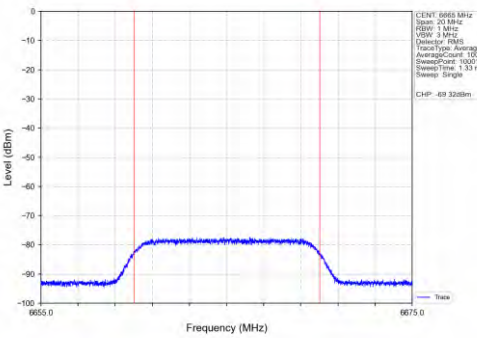
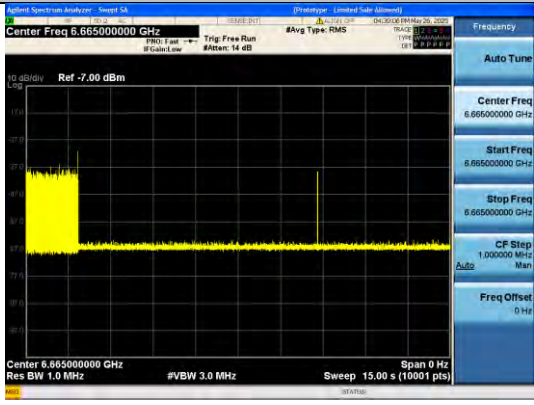
802.11 ax (HE160) /6590MHz
Transmission when the interferer is Minimal Operation





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Contention Based Protocol Result on U-NII 7 (AWGN Interference)	
802.11 ax (HE160) /6665MHz Threshold Level (TL)	802.11 ax (HE160) /6665MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE160) /6665MHz Threshold Level (TL)	802.11 ax (HE160) /6665MHz Transmission when the interferer is Minimal Operation
	



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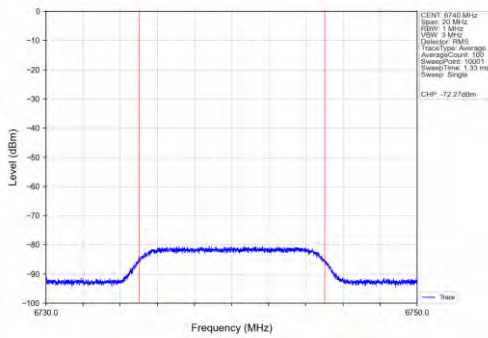
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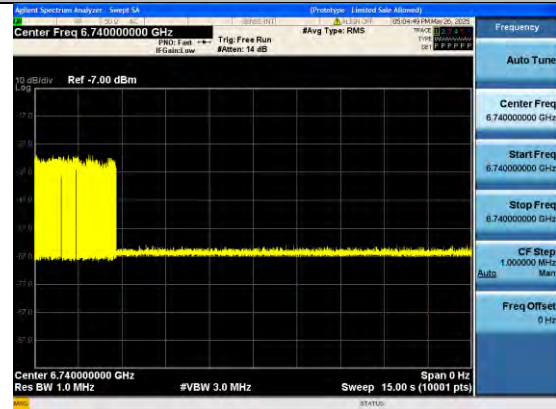
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Contention Based Protocol Result on U-NII 7 (AWGN Interference)

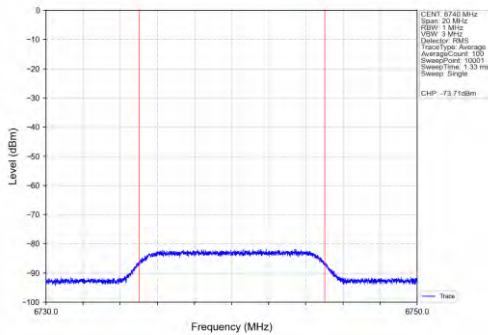
802.11 ax (HE160) /6740MHz
Threshold Level (TL)



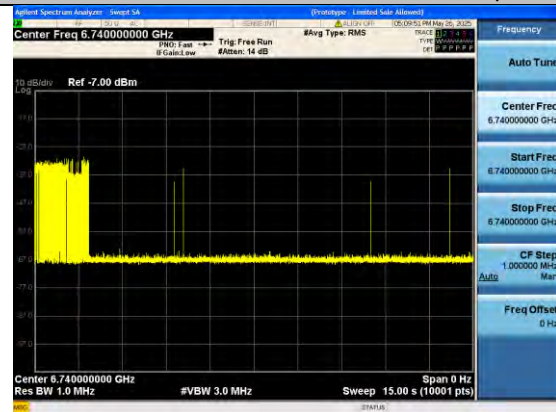
802.11 ax (HE160) /6740MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE160) /6740MHz
Threshold Level (TL)



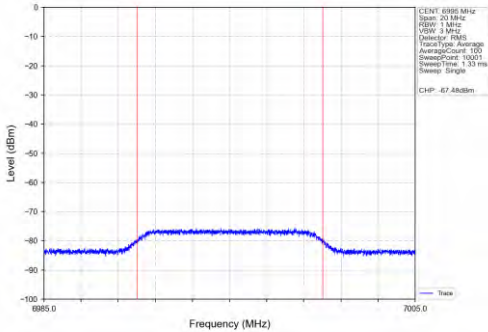
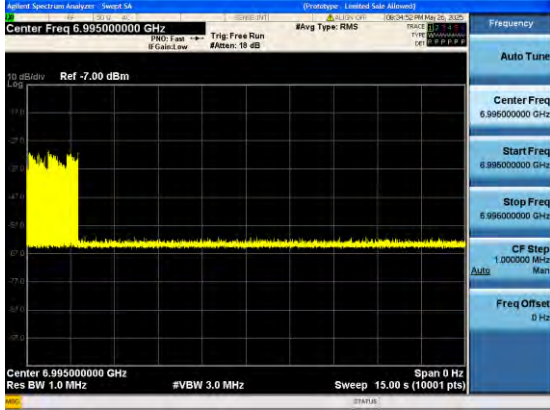
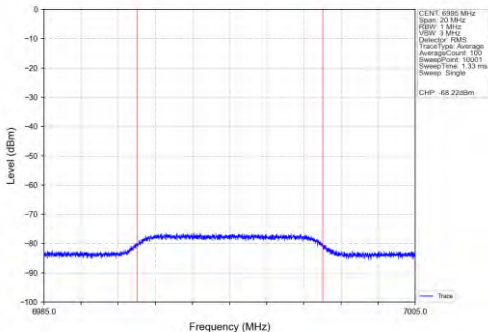
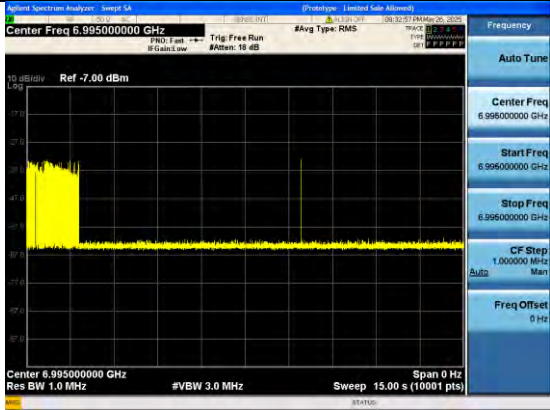
802.11 ax (HE160) /6740MHz
Transmission when the interferer is Minimal Operation





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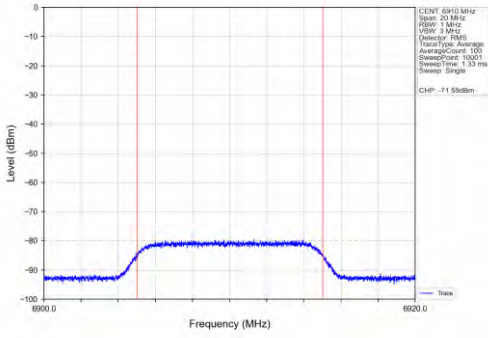
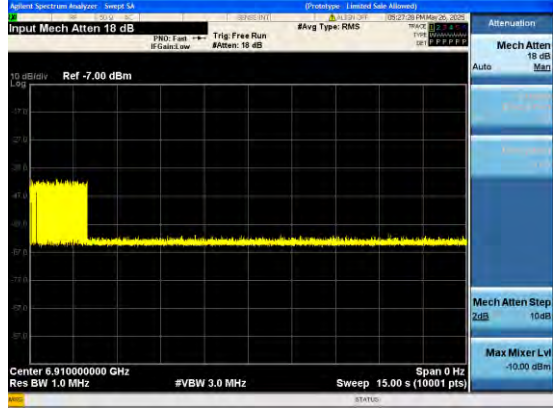
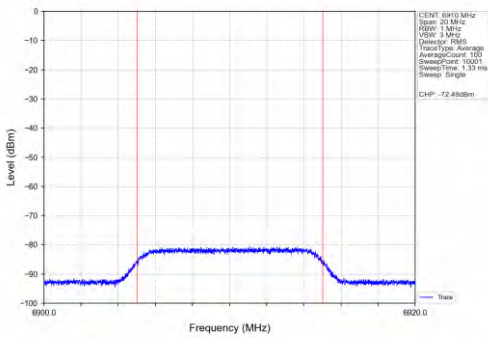
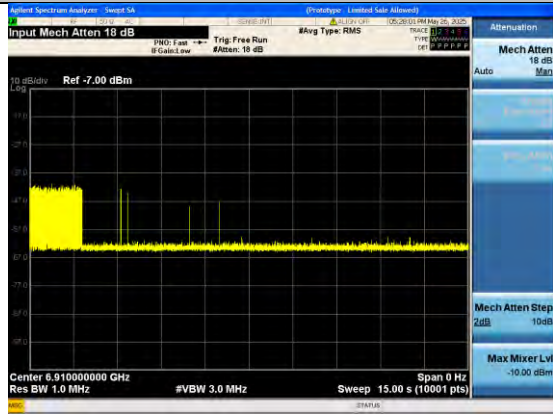
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Contention Based Protocol Result on U-NII 8 (AWGN Interference)	
802.11 ax (HE20) /6995MHz Threshold Level (TL)	802.11 ax (HE20) /6995MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE20) /6995MHz Threshold Level (TL)	802.11 ax (HE20) /6995MHz Transmission when the interferer is Minimal Operation
	



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Contention Based Protocol Result on U-NII 8 (AWGN Interference)	
802.11 ax (HE160) /6910MHz Threshold Level (TL)	802.11 ax (HE160) /6910MHz Test Result is pass due to no transmission occur.
	
802.11 ax (HE160) /6910MHz Threshold Level (TL)	802.11 ax (HE160) /6910MHz Transmission when the interferer is Minimal Operation
	



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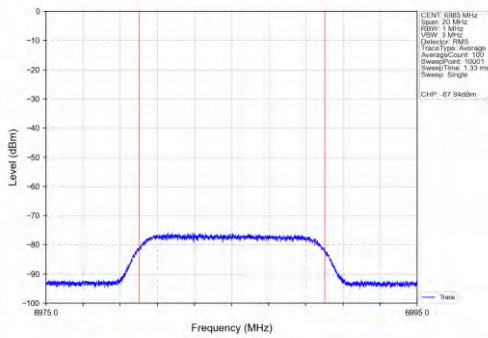
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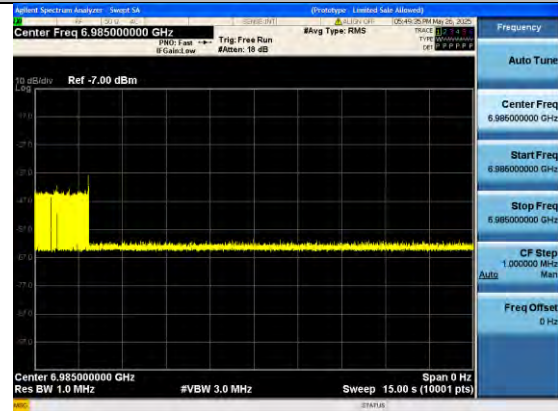
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Contention Based Protocol Result on U-NII 8 (AWGN Interference)

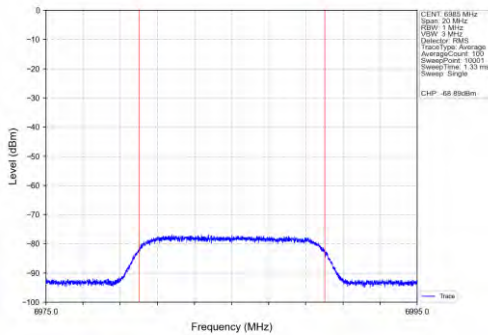
802.11 ax (HE160) /6985MHz
Threshold Level (TL)



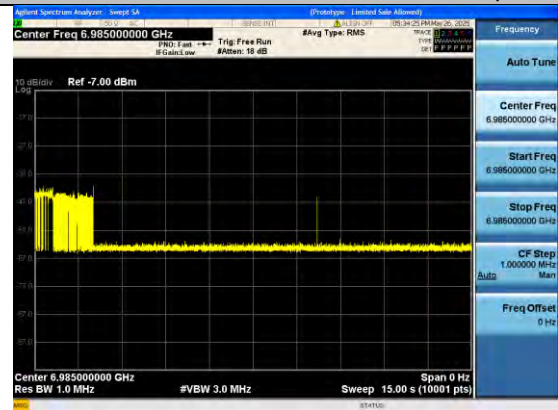
802.11 ax (HE160) /6985MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE160) /6985MHz
Threshold Level (TL)



802.11 ax (HE160) /6985MHz
Transmission when the interferer is Minimal Operation





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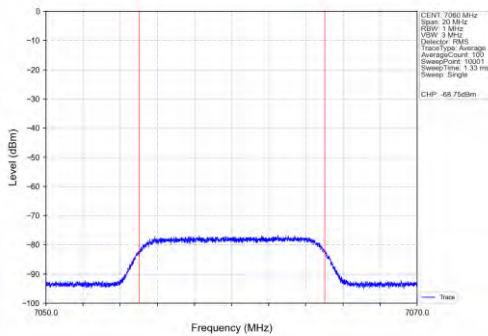
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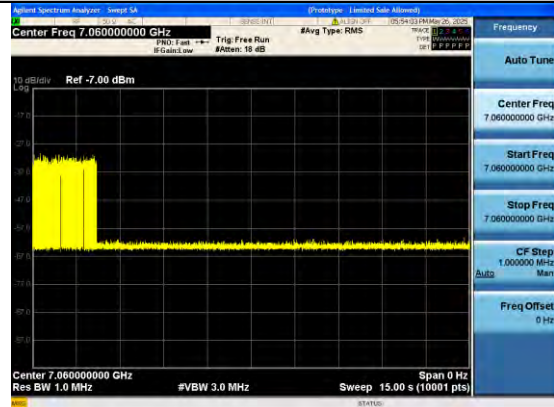
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Contention Based Protocol Result on U-NII 8 (AWGN Interference)

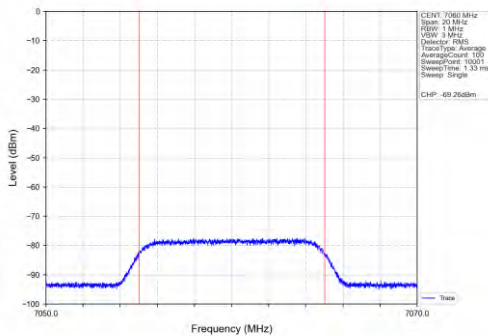
802.11 ax (HE160) /7060MHz
Threshold Level (TL)



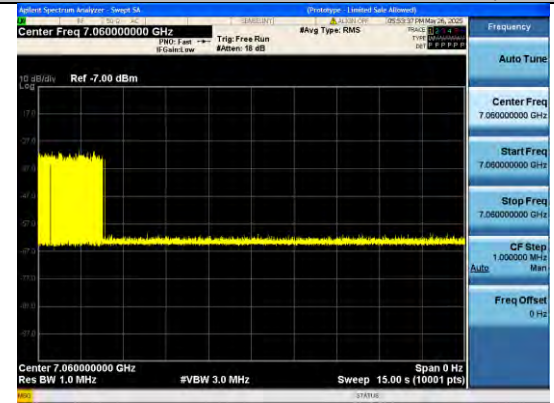
802.11 ax (HE160) /7060MHz
Test Result is pass due to no transmission occur.



802.11 ax (HE160) /7060MHz
Threshold Level (TL)



802.11 ax (HE160) /7060MHz
Transmission when the interferer is Minimal Operation





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Verify Contention Based Protocol Transmission Bandwidth Reduction

802.11ax does not support channel puncturing in CBP mode, only channel bandwidth reduction is applied. The yellow trace show the full 160MHz 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 40MHz;
2. When the Incumbent Signal occur at middle frequency, the total 160M bandwidth stop transmission;
3. When the Incumbent Signal occur at highest frequency, the transmission bandwidth reduced to 80MHz;





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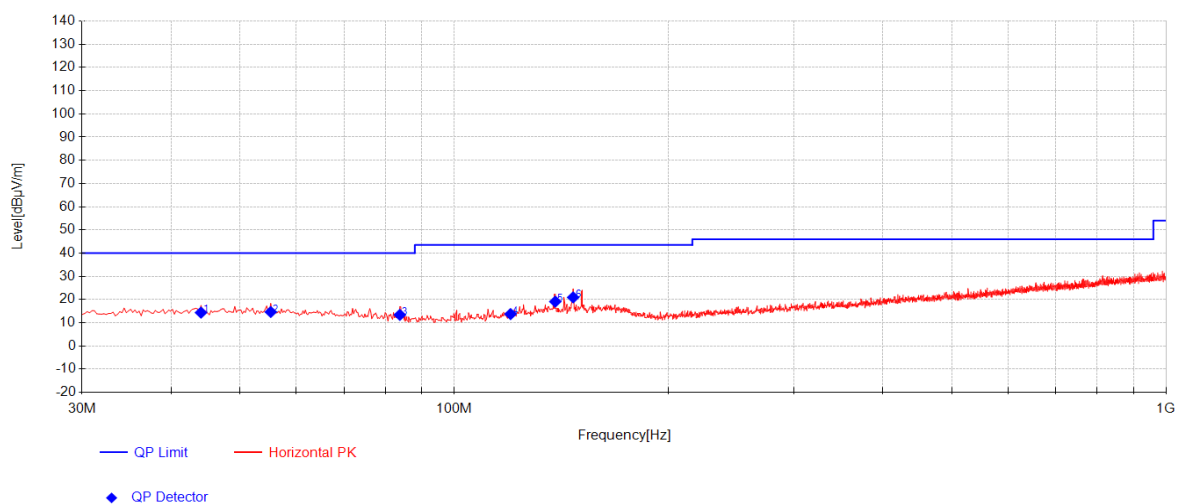
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802. 11ax20 MIMO RU52_Channel 233



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	44.065	29.35	-33.79	18.81	14.37	40.00	25.63	Horizontal
2	55.22	30.06	-33.62	18.20	14.64	40.00	25.36	Horizontal
3	83.835	32.04	-33.31	14.67	13.40	40.00	26.60	Horizontal
4	119.9675	29.86	-32.92	16.79	13.74	43.50	29.76	Horizontal
5	138.64	33.43	-32.78	18.46	19.12	43.50	24.38	Horizontal
6	146.885	34.53	-32.71	19.10	20.92	43.50	22.58	Horizontal

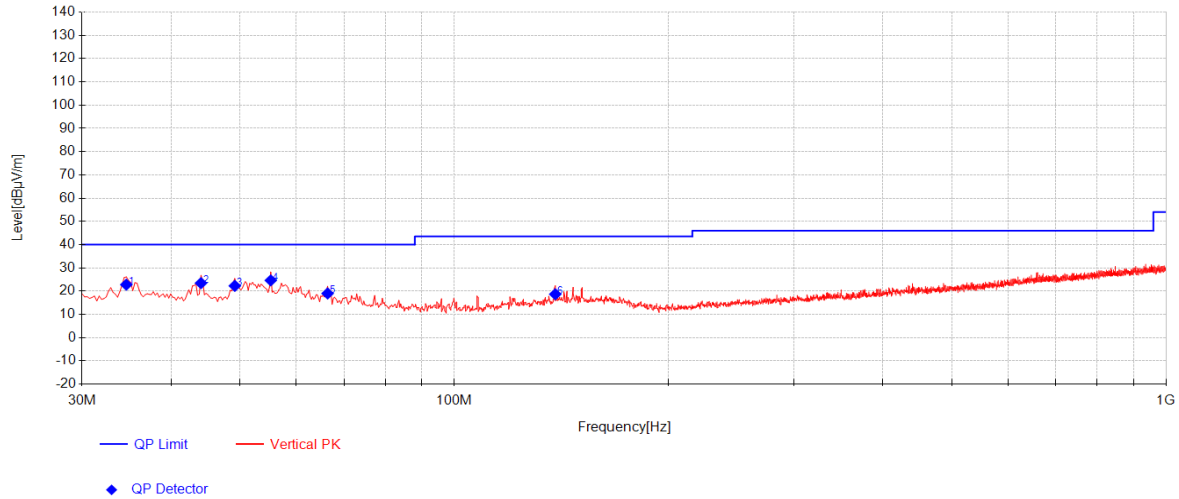


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Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	34.6075	38.54	-33.95	18.20	22.79	40.00	17.21	Vertical
2	44.065	38.43	-33.79	18.81	23.45	40.00	16.55	Vertical
3	49.1575	37.21	-33.70	18.77	22.27	40.00	17.73	Vertical
4	55.22	40.03	-33.62	18.20	24.61	40.00	15.39	Vertical
5	66.375	35.24	-33.47	17.23	19.00	40.00	21.00	Vertical
6	138.64	32.99	-32.78	18.46	18.68	43.50	24.82	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:
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)
- All channels have been tested, but only the worst case data displayed in this report.

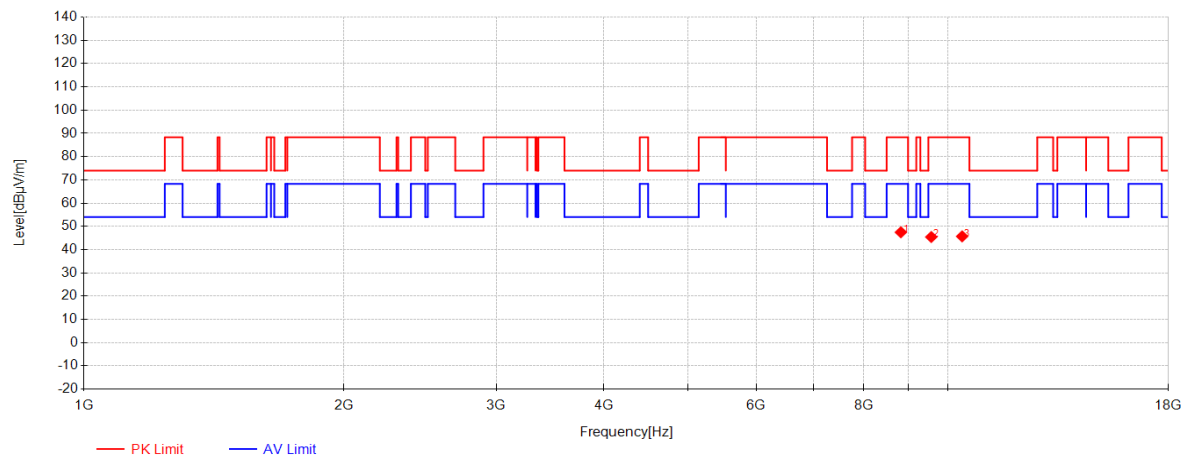


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Transmitter emission Above 1GHz

802.11a CDD_Channel 1



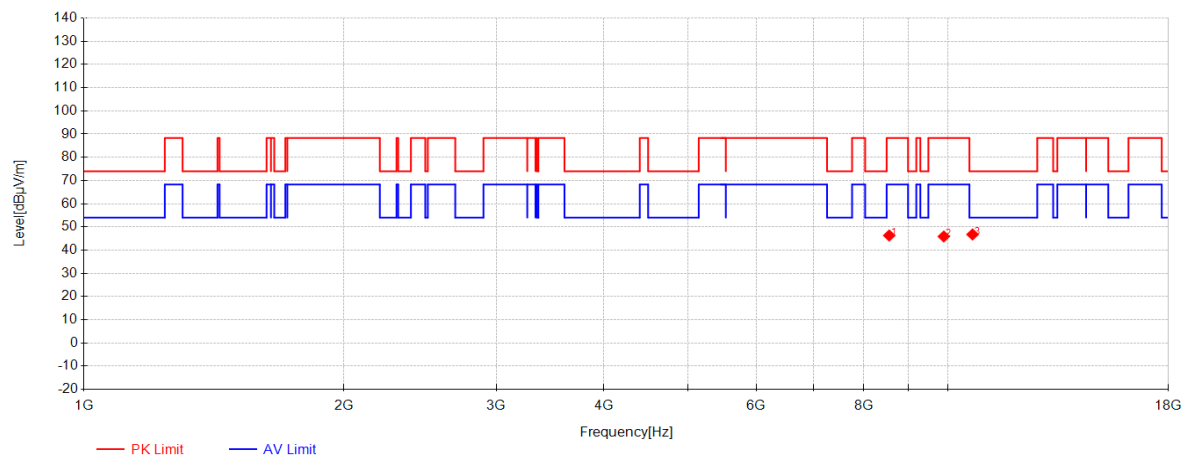
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8828.6667	43.97	37.51	-34.02	47.47	88.30	40.83	Horizontal
2	9574.3333	40.67	37.77	-33.02	45.43	88.30	42.87	Horizontal
3	10395	38.32	38.10	-30.72	45.70	88.30	42.60	Horizontal



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802.11a CDD_Channel 1



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8558	43.47	37.38	-34.55	46.30	88.30	42.00	Vertical
2	9899.3333	40.14	37.87	-32.12	45.89	88.30	42.41	Vertical
3	10687.333	38.87	38.24	-30.36	46.75	74.00	27.25	Vertical



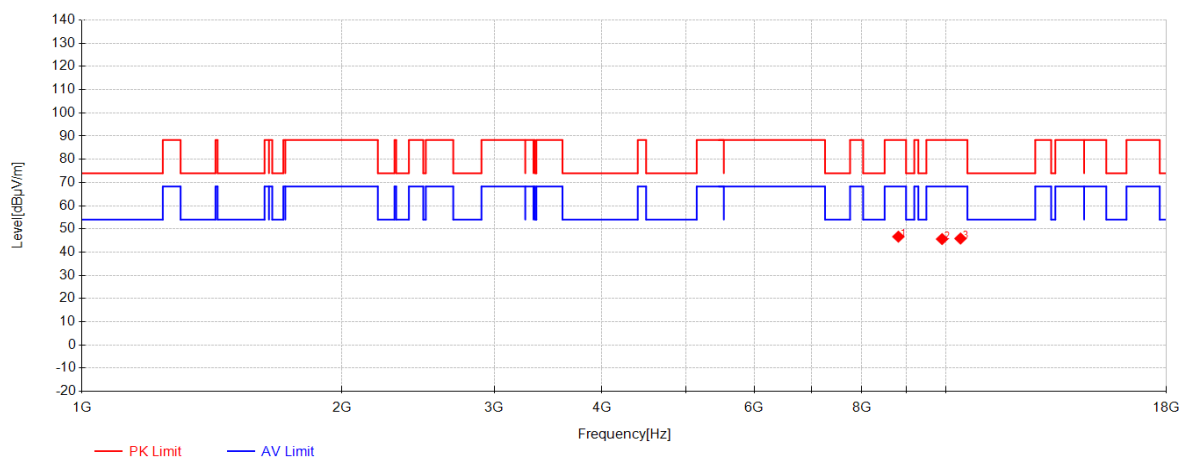
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802.11a CDD_Channel 45



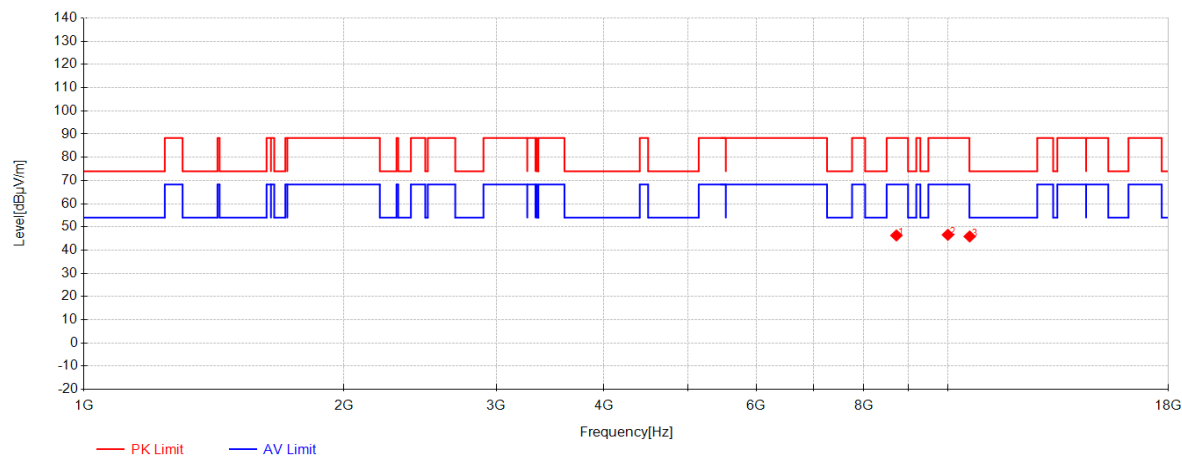
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8816.3333	43.12	37.51	-33.96	46.67	88.30	41.63	Horizontal
2	9906.3333	39.87	37.87	-32.10	45.64	88.30	42.66	Horizontal
3	10405.666	38.45	38.10	-30.69	45.86	88.30	42.44	Horizontal



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802.11a CDD_Channel 45



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8723.3333	43.33	37.46	-34.46	46.33	88.30	41.97	Vertical
2	10008.666	40.50	37.90	-31.81	46.60	88.30	41.70	Vertical
3	10607.333	38.27	38.20	-30.57	45.90	74.00	28.10	Vertical



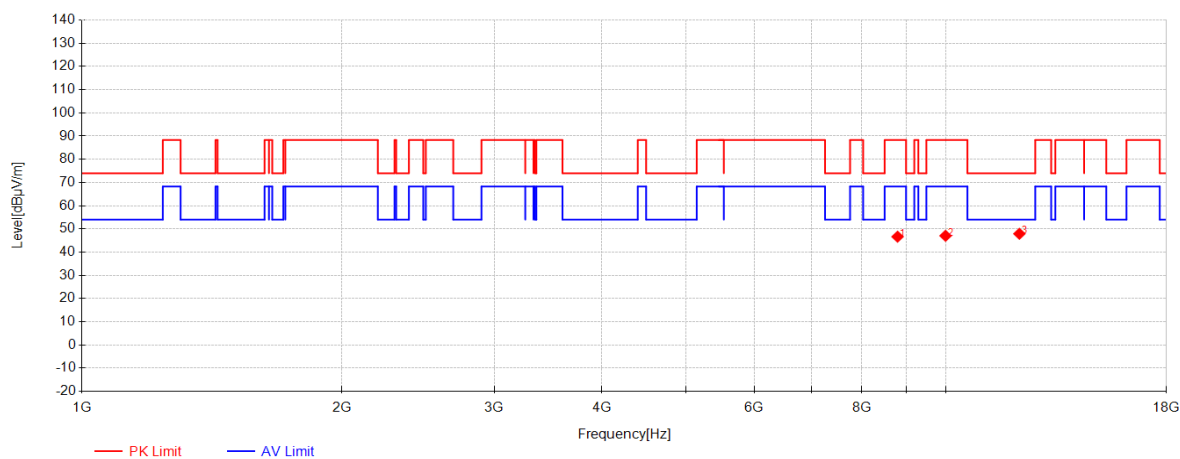
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802.11a CDD_Channel 93



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8797.6667	43.06	37.50	-33.90	46.66	88.30	41.64	Horizontal
2	9998	40.98	37.90	-31.84	47.04	88.30	41.26	Horizontal
3	12174.666	38.45	38.61	-29.15	47.91	74.00	26.09	Horizontal



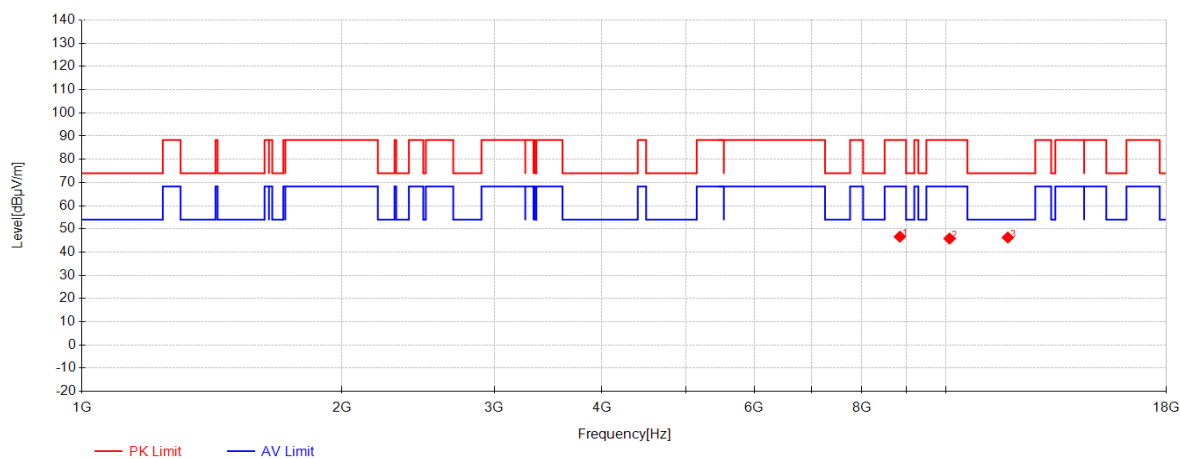
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802.11a CDD_Channel 93



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8851.6667	43.25	37.53	-34.13	46.65	88.30	41.65	Vertical
2	10106.666	39.49	37.95	-31.60	45.85	88.30	42.45	Vertical
3	11805	37.40	38.40	-29.50	46.30	74.00	27.70	Vertical



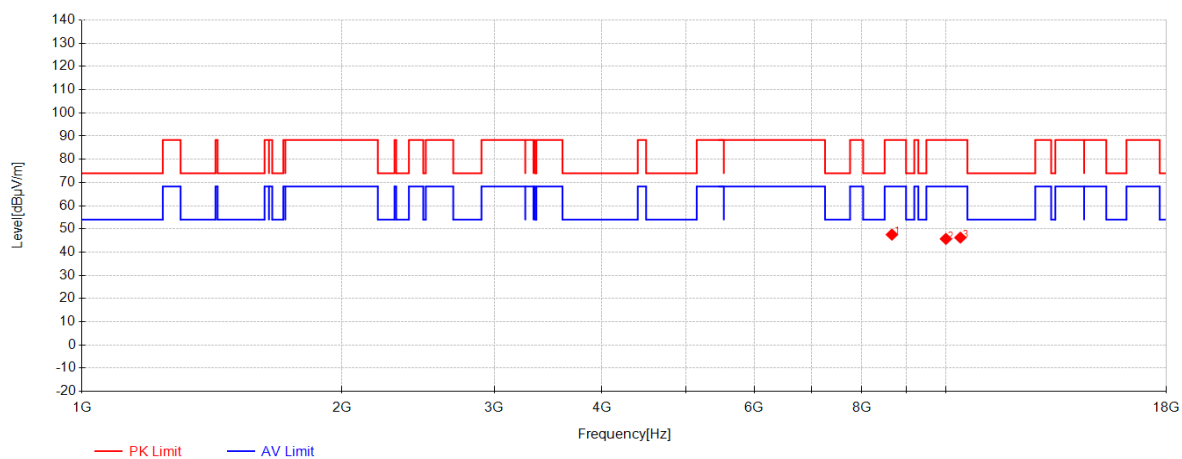
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802.11a CDD_Channel 97



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8665	44.59	37.43	-34.48	47.54	88.30	40.76	Horizontal
2	10008.666	39.60	37.90	-31.81	45.70	88.30	42.60	Horizontal
3	10402.333	38.84	38.10	-30.69	46.26	88.30	42.04	Horizontal



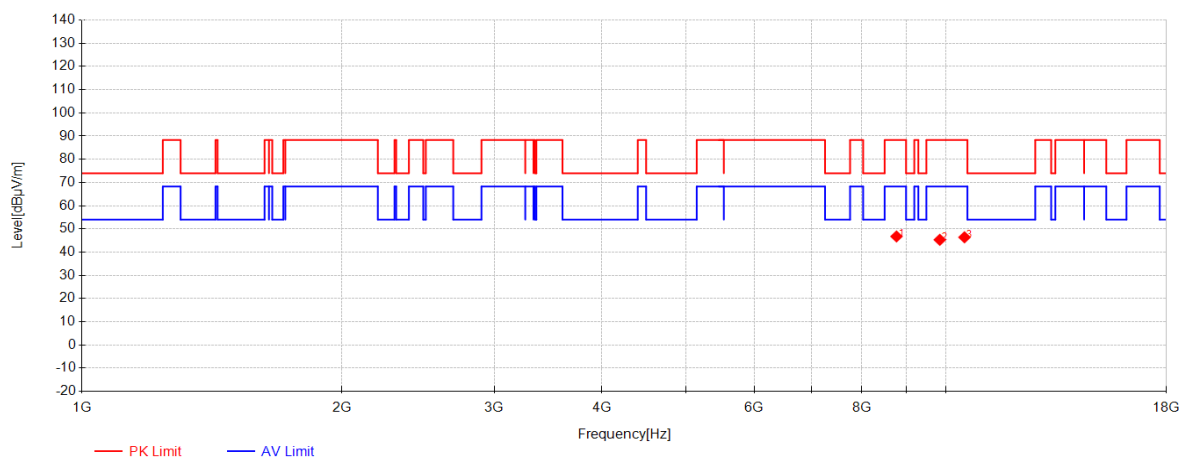
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8772.6667	43.36	37.49	-34.09	46.76	88.30	41.54	Vertical
2	9846.6667	39.82	37.85	-32.37	45.31	88.30	42.99	Vertical
3	10516.666	39.10	38.16	-30.86	46.39	88.30	41.91	Vertical



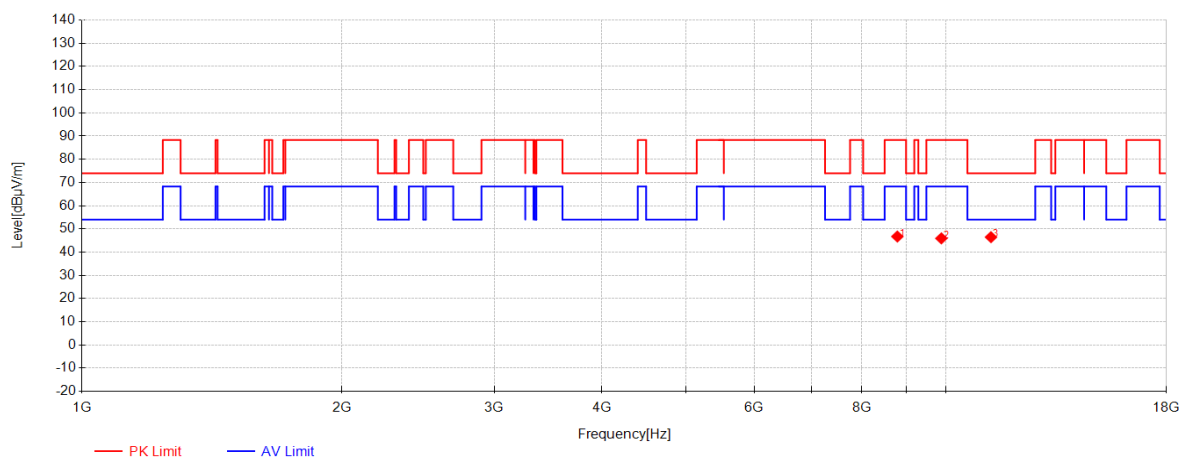
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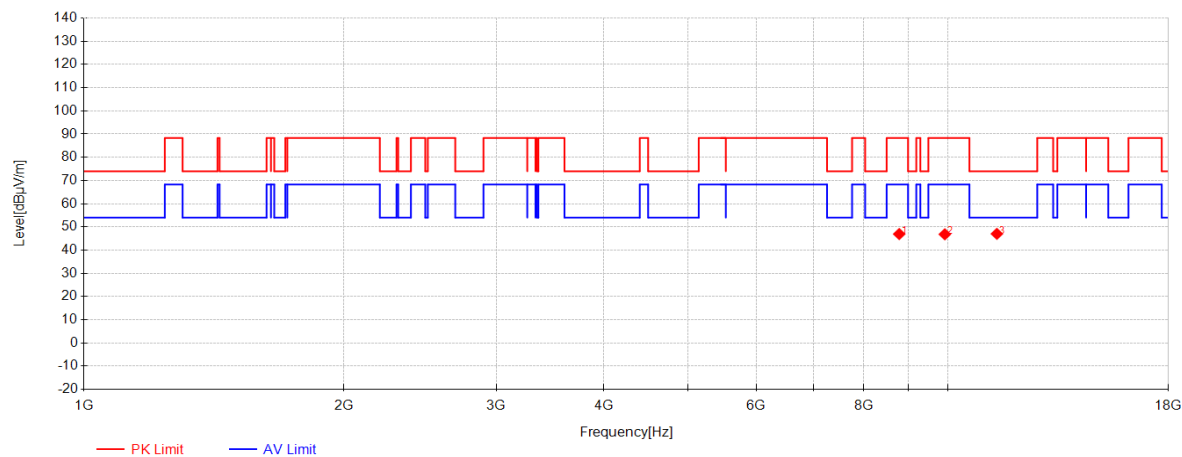
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8792.3333	43.16	37.50	-33.94	46.72	88.30	41.58	Horizontal
2	9887.3333	40.25	37.87	-32.18	45.94	88.30	42.36	Horizontal
3	11286	37.39	38.40	-29.33	46.46	74.00	27.54	Horizontal



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802.11a CDD_Channel 105



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8788.3333	43.41	37.49	-33.97	46.94	88.30	41.36	Vertical
2	9926	40.99	37.88	-32.04	46.82	88.30	41.48	Vertical
3	11404	38.51	38.40	-29.90	47.01	74.00	26.99	Vertical



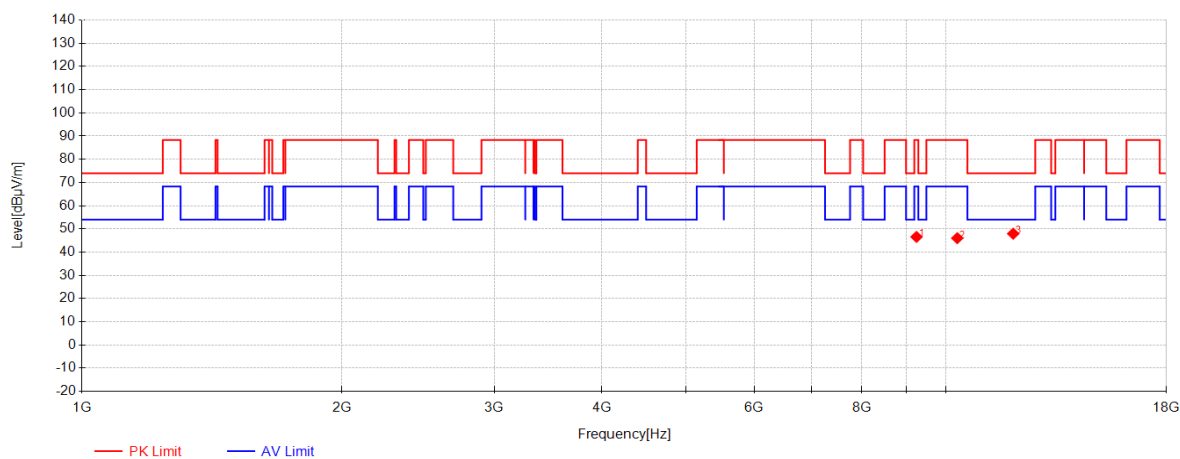
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802.11a CDD_Channel 113



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9253.6667	42.46	37.68	-33.58	46.56	88.30	41.74	Horizontal
2	10316.666	39.26	38.06	-31.29	46.03	88.30	42.27	Horizontal
3	11974.666	38.64	38.40	-29.08	47.96	74.00	26.04	Horizontal



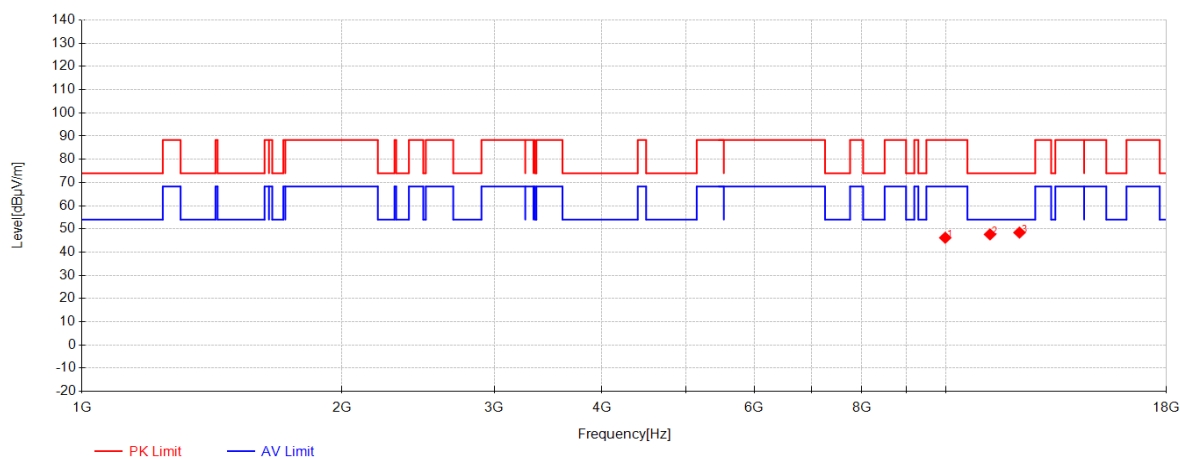
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802.11a CDD_Channel 113



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	9990.3333	40.15	37.90	-31.86	46.19	88.30	42.11	Vertical
2	11257	38.61	38.40	-29.38	47.63	74.00	26.37	Vertical
3	12178.666	38.96	38.61	-29.14	48.43	74.00	25.57	Vertical



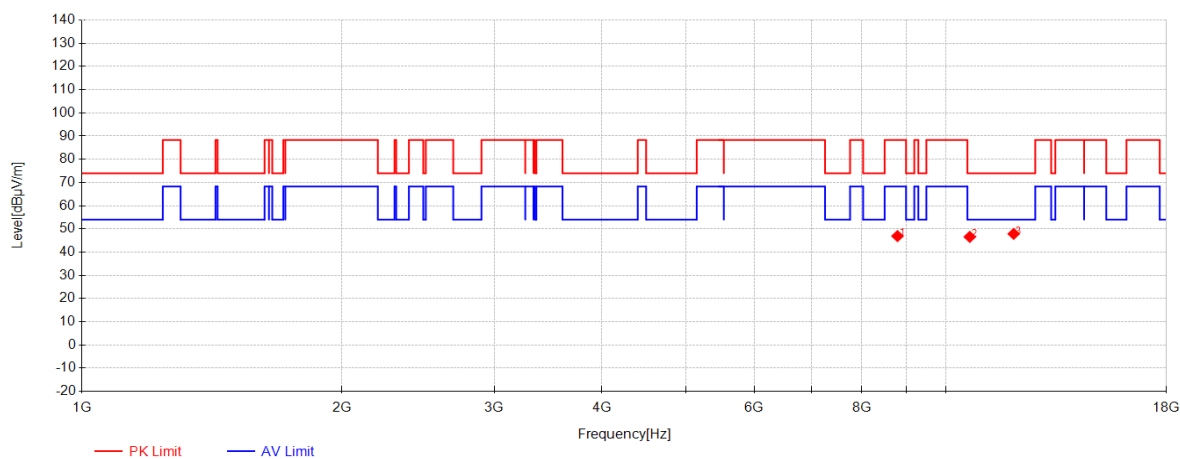
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8795.3333	43.33	37.50	-33.92	46.91	88.30	41.39	Horizontal
2	10665.666	38.77	38.23	-30.42	46.58	74.00	27.42	Horizontal
3	11991	38.48	38.40	-29.00	47.88	74.00	26.12	Horizontal



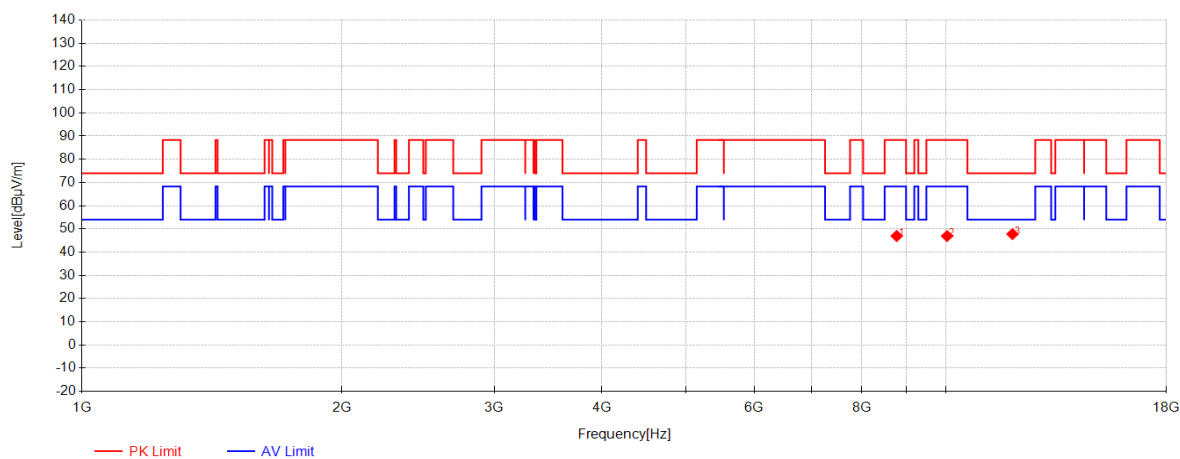
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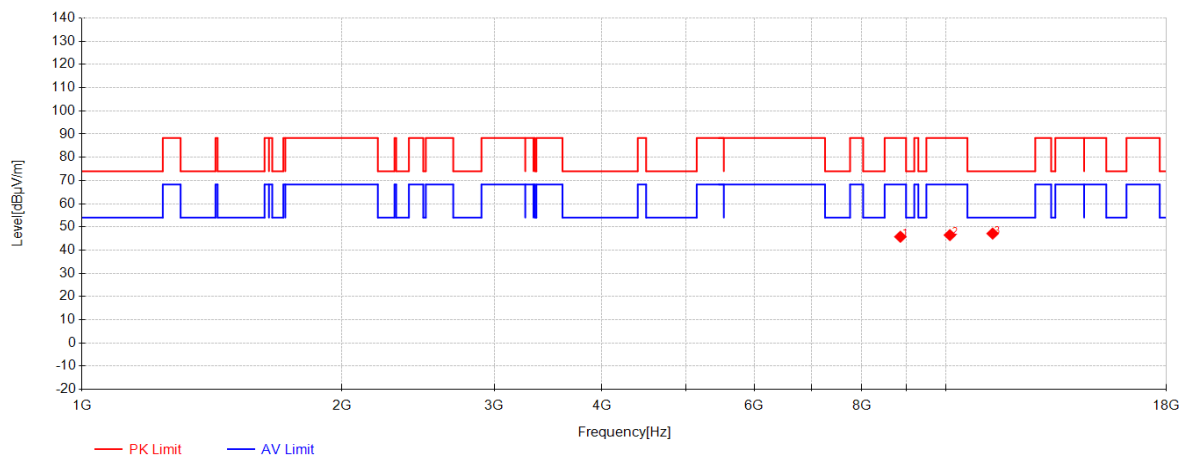
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8777.6667	43.53	37.49	-34.05	46.97	88.30	41.33	Vertical
2	10039	40.75	37.92	-31.74	46.93	88.30	41.37	Vertical
3	11952	38.57	38.40	-29.19	47.78	74.00	26.22	Vertical



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802.11a CDD_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	8864	42.42	37.53	-34.19	45.76	88.30	42.54	Horizontal
2	10114.666	40.12	37.96	-31.60	46.47	88.30	41.83	Horizontal
3	11337	38.29	38.40	-29.54	47.15	74.00	26.85	Horizontal