

Underwriters Laboratories Taiwan Co., Ltd.

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Test report No. : 4790224862-US-R1-V0
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Issued date : 2022/9/30
FCC ID : 2AE3B-AEX-QCA98X

Mode	802.11ac(VHT40)	Channel	110
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5411.55	42.96	19.32	62.28	74	-11.72	PK
		5439.9	32.85	19.47	52.32	54	-1.68	AVG
		5461.95	40.66	19.58	60.24	68.2	-7.96	PK
	@	5550	90.51	19.83	110.34	N/A	N/A	PK
	@	5550	81.41	19.83	101.24	N/A	N/A	AVG
		5729.7	40.43	20.01	60.44	68.2	-7.76	PK
		7400	41.94	10.51	52.45	74	-21.55	PK
	*	11100	30.15	18.45	48.6	74	-25.4	PK
Vertical		5439.9	30.31	19.47	49.78	54	-4.22	AVG
		5452.85	41.44	19.53	60.97	74	-13.03	PK
		5462.3	39.74	19.58	59.32	68.2	-8.88	PK
	@	5550	84.18	19.83	104.01	N/A	N/A	PK
	@	5550	77.4	19.83	97.23	N/A	N/A	AVG
		5736.7	41.42	20.07	61.49	68.2	-6.71	PK
		7400	34.34	10.51	44.85	74	-29.15	PK
	*	11100	31.15	18.45	49.6	74	-24.4	PK

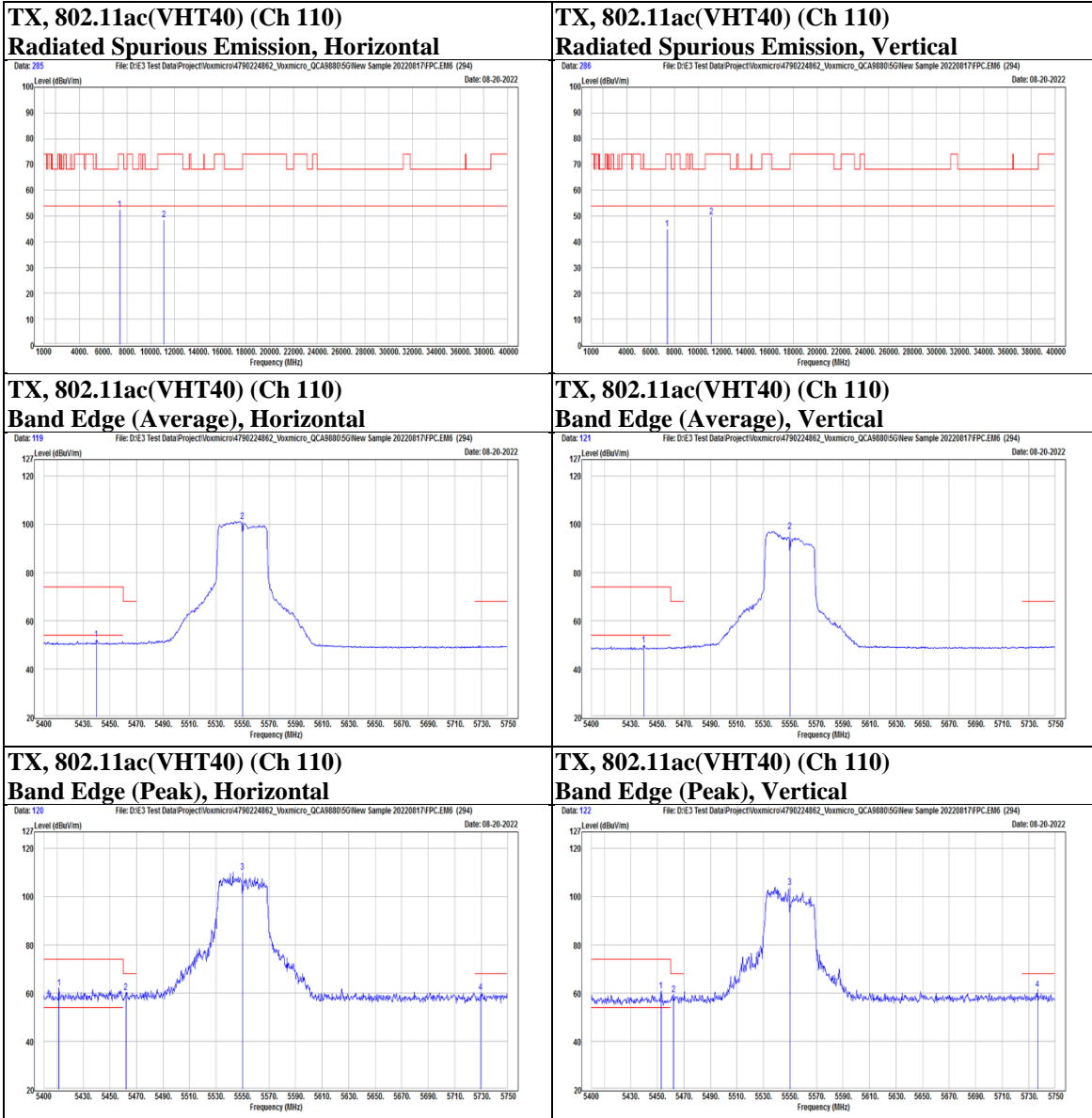
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Doc No: 17-EM-F0878 / 6.0



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Mode	802.11ac(VHT40)	Channel	134
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5440.25	34.32	19.47	53.79	54	-0.21	AVG
	@	5670	89.9	19.69	109.59	N/A	N/A	PK
	@	5670	80.13	19.69	99.82	N/A	N/A	AVG
		5725.15	41.16	19.96	61.12	68.2	-7.08	PK
		7560	41.07	10.84	51.91	74	-22.09	PK
	*	11340	29.97	18.58	48.55	74	-25.45	PK
Vertical		5439.9	31.62	19.47	51.09	54	-2.91	AVG
	@	5670	85.14	19.69	104.83	N/A	N/A	PK
	@	5670	78.04	19.69	97.73	N/A	N/A	AVG
		5746.15	39.69	20.16	59.85	68.2	-8.35	PK
		7560	34.64	10.84	45.48	74	-28.52	PK
	*	11340	29.69	18.58	48.27	74	-25.73	PK

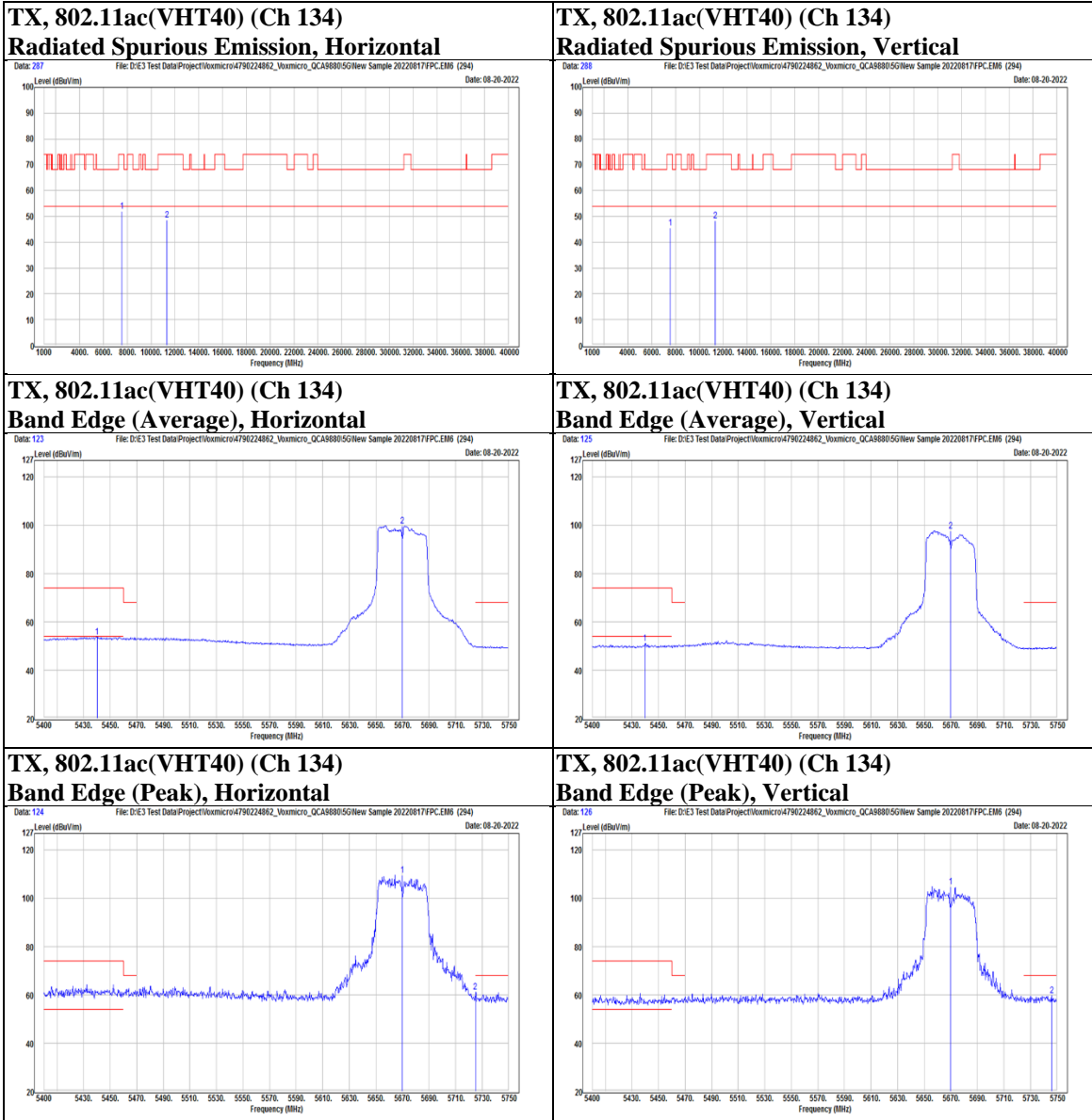
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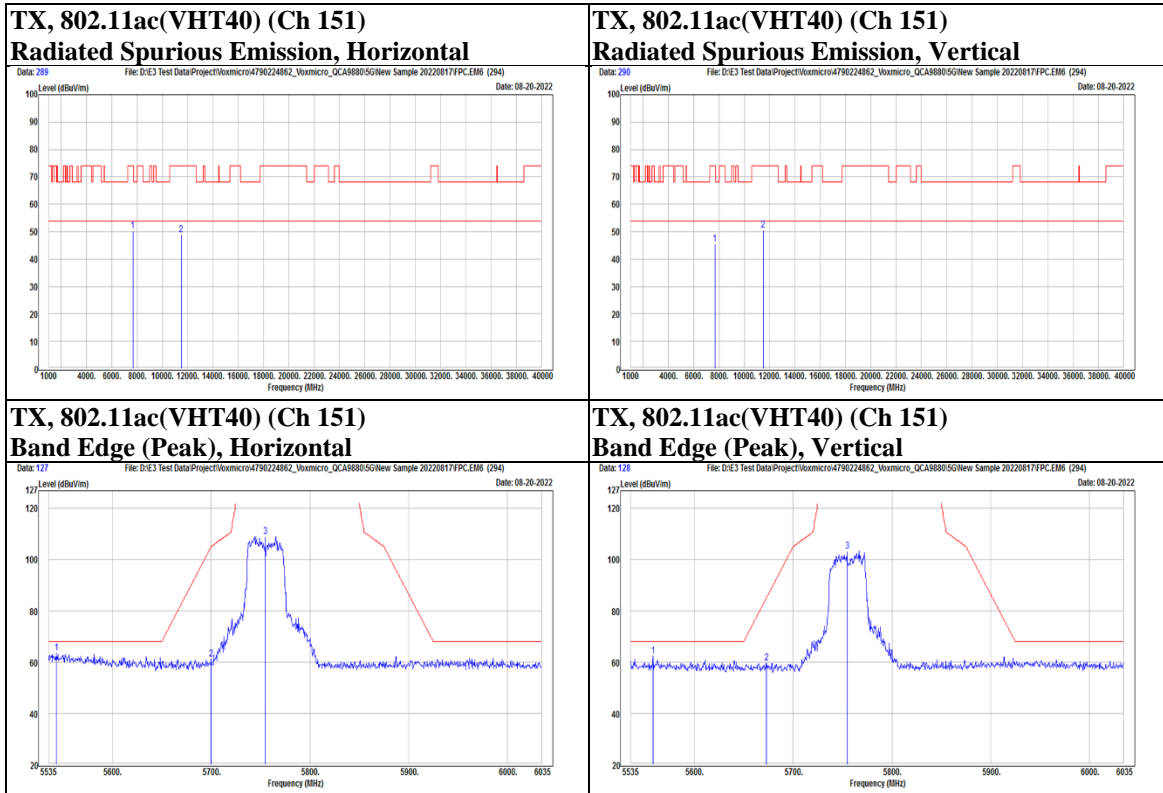
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Mode	802.11ac(VHT40)	Channel	151
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5543	43.97	19.82	63.79	68.2	-4.41	PK
		5700	41.42	19.73	61.15	105.2	-44.05	PK
		5755	88.99	20.22	109.21	N/A	N/A	PK
		7673.3	39.58	10.71	50.29	74	-23.71	PK
		11510	29.56	19.34	48.9	74	-25.1	PK
Vertical	@	5558	42.57	19.81	62.38	68.2	-5.82	PK
		5673	40.03	19.7	59.73	85.26	-25.53	PK
		5755	83.04	20.22	103.26	N/A	N/A	PK
		7673.3	34.8	10.71	45.51	74	-28.49	PK
		11510	31.14	19.34	50.48	74	-23.52	PK



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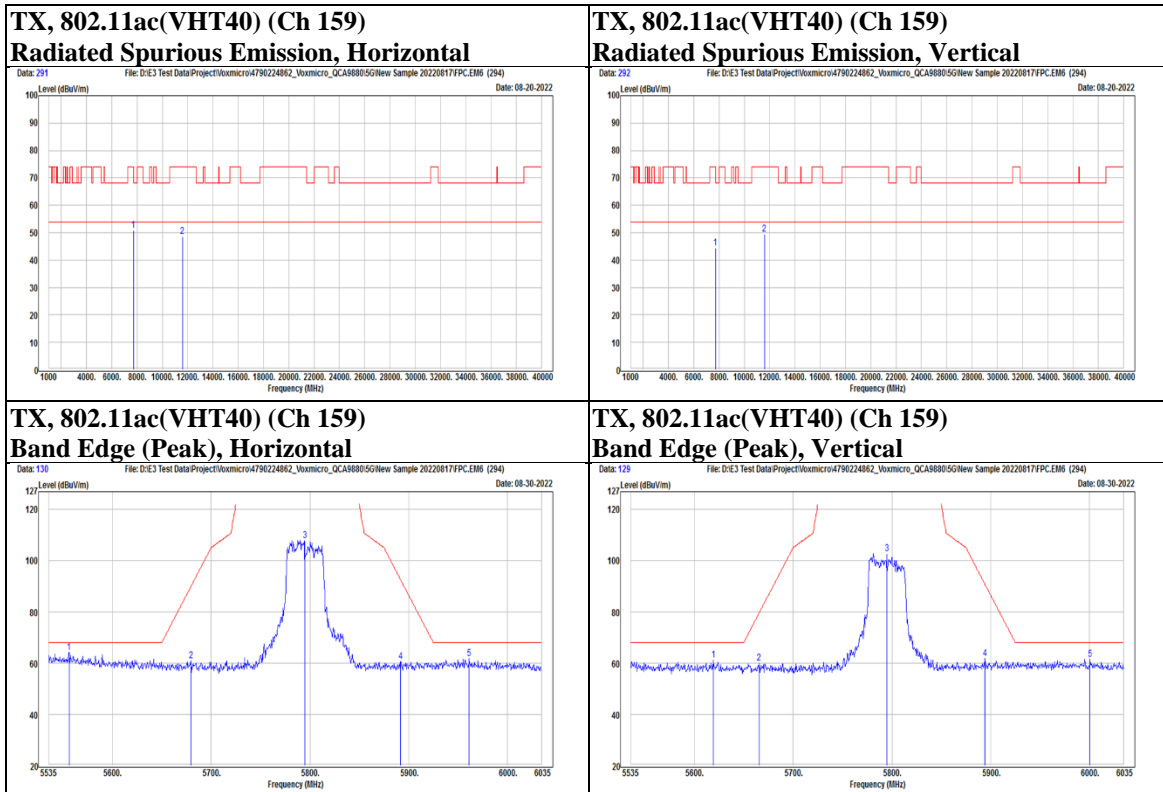
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Mode	802.11ac(VHT40)	Channel	159
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5556	44.41	19.82	64.23	68.2	-3.97	PK
		5679.5	41.24	19.7	60.94	90.07	-29.13	PK
	@	5795	87.36	20.52	107.88	N/A	N/A	PK
		5892	39.84	20.92	60.76	92.58	-31.82	PK
		5961.5	41.01	20.96	61.97	68.2	-6.23	PK
	*	7726.7	39.98	10.73	50.71	74	-23.29	PK
Vertical		11590	29.7	18.99	48.69	74	-25.31	PK
		5619	41.69	19.68	61.37	68.2	-6.83	PK
		5665.5	40.31	19.69	60	79.7	-19.7	PK
	@	5795	82.4	20.52	102.92	N/A	N/A	PK
		5894.5	40.82	20.94	61.76	90.73	-28.97	PK
		6001	40.69	21	61.69	68.2	-6.51	PK
	7726.7	33.73	10.73	44.46	74	-29.54	PK	
	*	11590	30.35	18.99	49.34	74	-24.66	PK



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Mode	802.11ac(VHT80)	Channel	42
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5147.7	43.26	19.4	62.66	74	-11.34	PK
		5148.75	33.76	19.4	53.16	54	-0.84	AVG
	@	5210	81.8	19.18	100.98	N/A	N/A	PK
	@	5210	72.45	19.18	91.63	N/A	N/A	AVG
		6946.7	51.83	8.56	60.39	68.2	-7.81	PK
	*	10420	31.02	17.76	48.78	68.2	-19.42	PK
Vertical		5121.1	42.04	19.43	61.47	74	-12.53	PK
		5148.05	32.13	19.4	51.53	54	-2.47	AVG
	@	5210	78.56	19.18	97.74	N/A	N/A	PK
	@	5210	70.07	19.18	89.25	N/A	N/A	AVG
		6946.7	42.93	8.56	51.49	68.2	-16.71	PK
	*	10420	29.72	17.76	47.48	68.2	-20.72	PK

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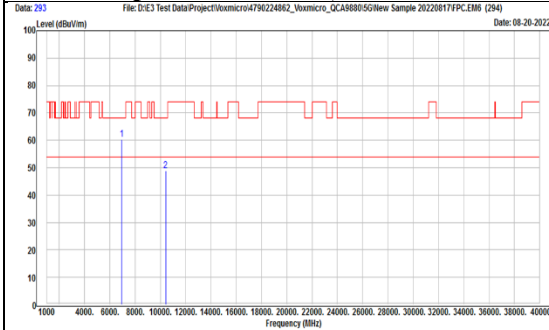
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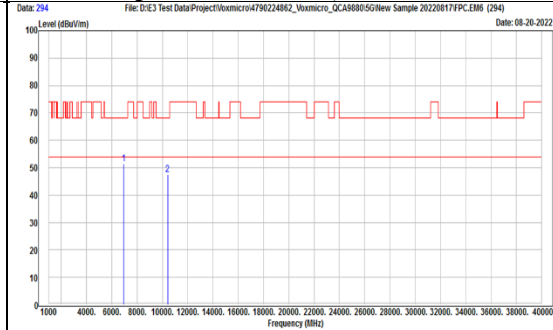
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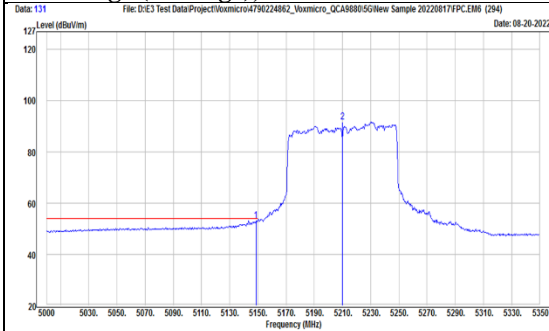
TX, 802.11ac(VHT80) (Ch 42)
Radiated Spurious Emission, Horizontal



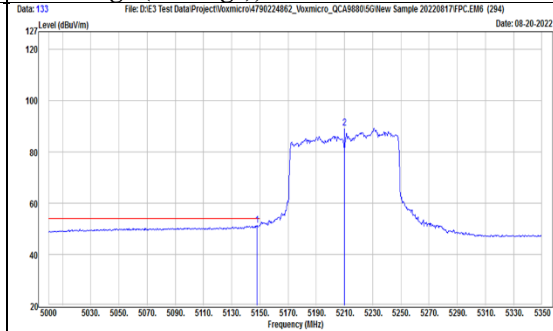
TX, 802.11ac(VHT80) (Ch 42)
Radiated Spurious Emission, Vertical



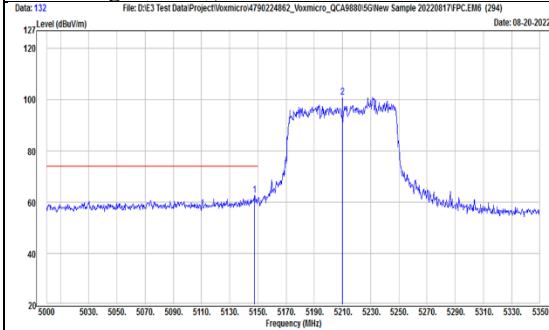
TX, 802.11ac(VHT80) (Ch 42)
Band Edge (Average), Horizontal



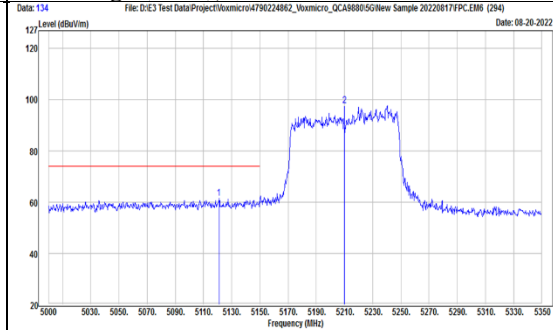
TX, 802.11ac(VHT80) (Ch 42)
Band Edge (Average), Vertical



TX, 802.11ac(VHT80) (Ch 42)
Band Edge (Peak), Horizontal



TX, 802.11ac(VHT80) (Ch 42)
Band Edge (Peak), Vertical





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Mode	802.11ac(VHT80)	Channel	58
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5290	83.38	18.79	102.17	N/A	N/A	PK
	@	5290	74.31	18.79	93.1	N/A	N/A	AVG
		5350.5	44.73	19.01	63.74	74	-10.26	PK
		5350.8	34.84	19.01	53.85	54	-0.15	AVG
		7053.3	45.08	9.23	54.31	68.2	-13.89	PK
	*	10580	30.85	18.04	48.89	68.2	-19.31	PK
Vertical	@	5290	78.07	18.79	96.86	N/A	N/A	PK
	@	5290	70.05	18.79	88.84	N/A	N/A	AVG
		5354.1	33.44	19.04	52.48	54	-1.52	AVG
		5355.9	43.57	19.04	62.61	74	-11.39	PK
		7053.3	37.78	9.23	47.01	68.2	-21.19	PK
	*	10580	29.79	18.04	47.83	68.2	-20.37	PK

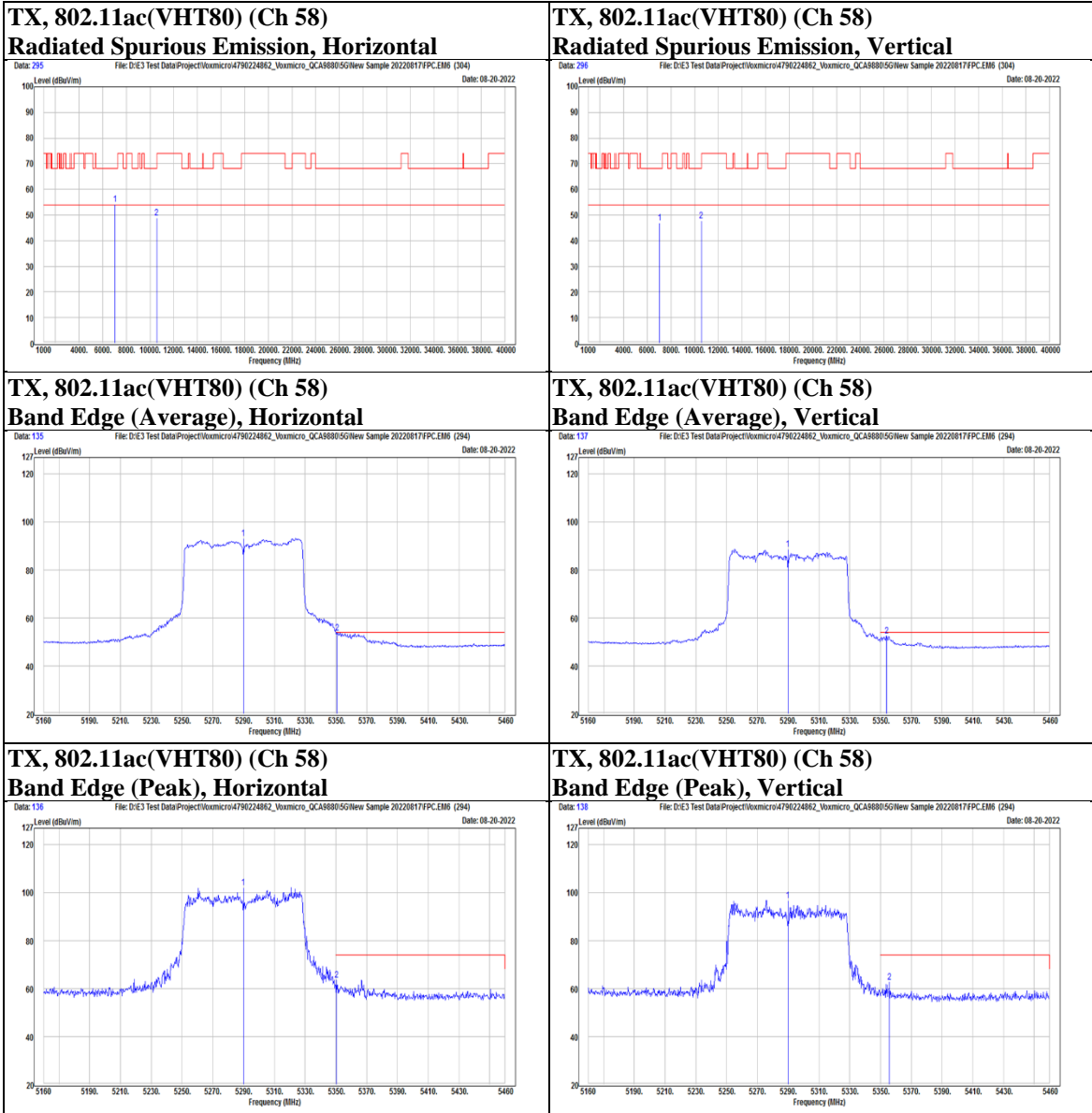
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Mode	802.11ac(VHT80)	Channel	106
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5456.35	41.36	19.55	60.91	74	-13.09	PK
		5457.4	33.77	19.55	53.32	54	-0.68	AVG
		5467.55	47	19.61	66.61	68.2	-1.59	PK
	@	5530	83.41	19.81	103.22	N/A	N/A	PK
	@	5530	74.06	19.81	93.87	N/A	N/A	AVG
		7373.3	36.1	10.42	46.52	74	-27.48	PK
	*	11060	30.62	18.44	49.06	74	-24.94	PK
Vertical		5428.7	39.73	19.41	59.14	74	-14.86	PK
		5453.9	30.13	19.54	49.67	54	-4.33	AVG
		5465.45	40.33	19.6	59.93	68.2	-8.27	PK
	@	5530	78.8	19.81	98.61	N/A	N/A	PK
	@	5530	71.76	19.81	91.57	N/A	N/A	AVG
		7373.3	33.59	10.42	44.01	74	-29.99	PK
	*	11060	29.97	18.44	48.41	74	-25.59	PK

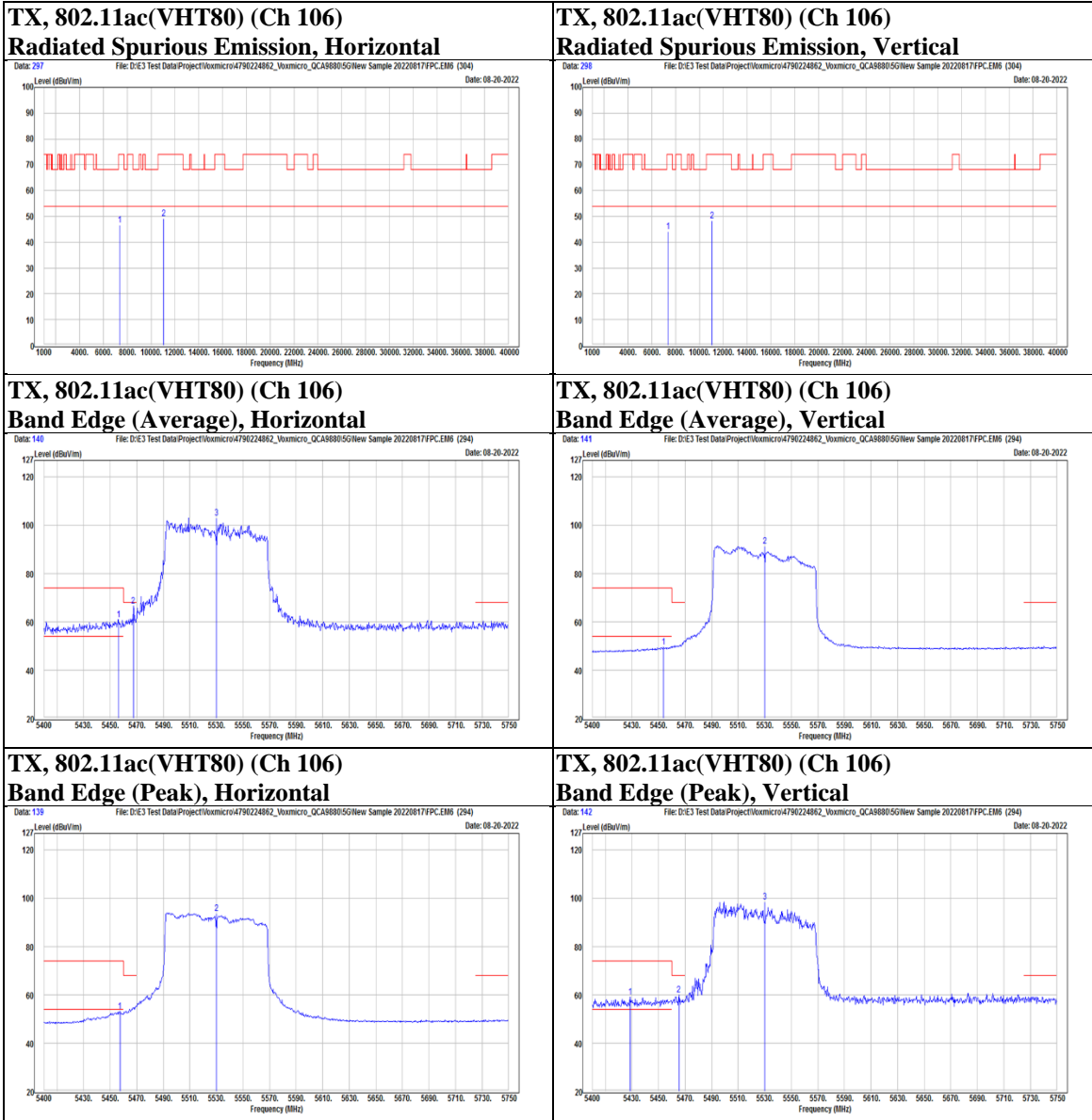
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Mode	802.11ac(VHT80)	Channel	122
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5425.55	43.96	19.39	63.35	74	-10.65	PK
		5458.45	33.74	19.56	53.3	54	-0.7	AVG
		5467.55	44.51	19.61	64.12	68.2	-4.08	PK
	@	5610	89.31	19.69	109	N/A	N/A	PK
	@	5610	81.13	19.69	100.82	N/A	N/A	AVG
		5729.35	40.05	20	60.05	68.2	-8.15	PK
		7480	39.45	10.7	50.15	74	-23.85	PK
	*	11220	29.88	18.47	48.35	74	-25.65	PK
Vertical		5450.05	40.38	19.51	59.89	74	-14.11	PK
		5455.65	30.57	19.54	50.11	54	-3.89	AVG
		5468.95	40.88	19.62	60.5	68.2	-7.7	PK
	@	5610	82.77	19.69	102.46	N/A	N/A	PK
	@	5610	74.94	19.69	94.63	N/A	N/A	AVG
		5741.25	40.67	20.12	60.79	68.2	-7.41	PK
		7480	33.72	10.7	44.42	74	-29.58	PK
	*	11220	30.4	18.47	48.87	74	-25.13	PK

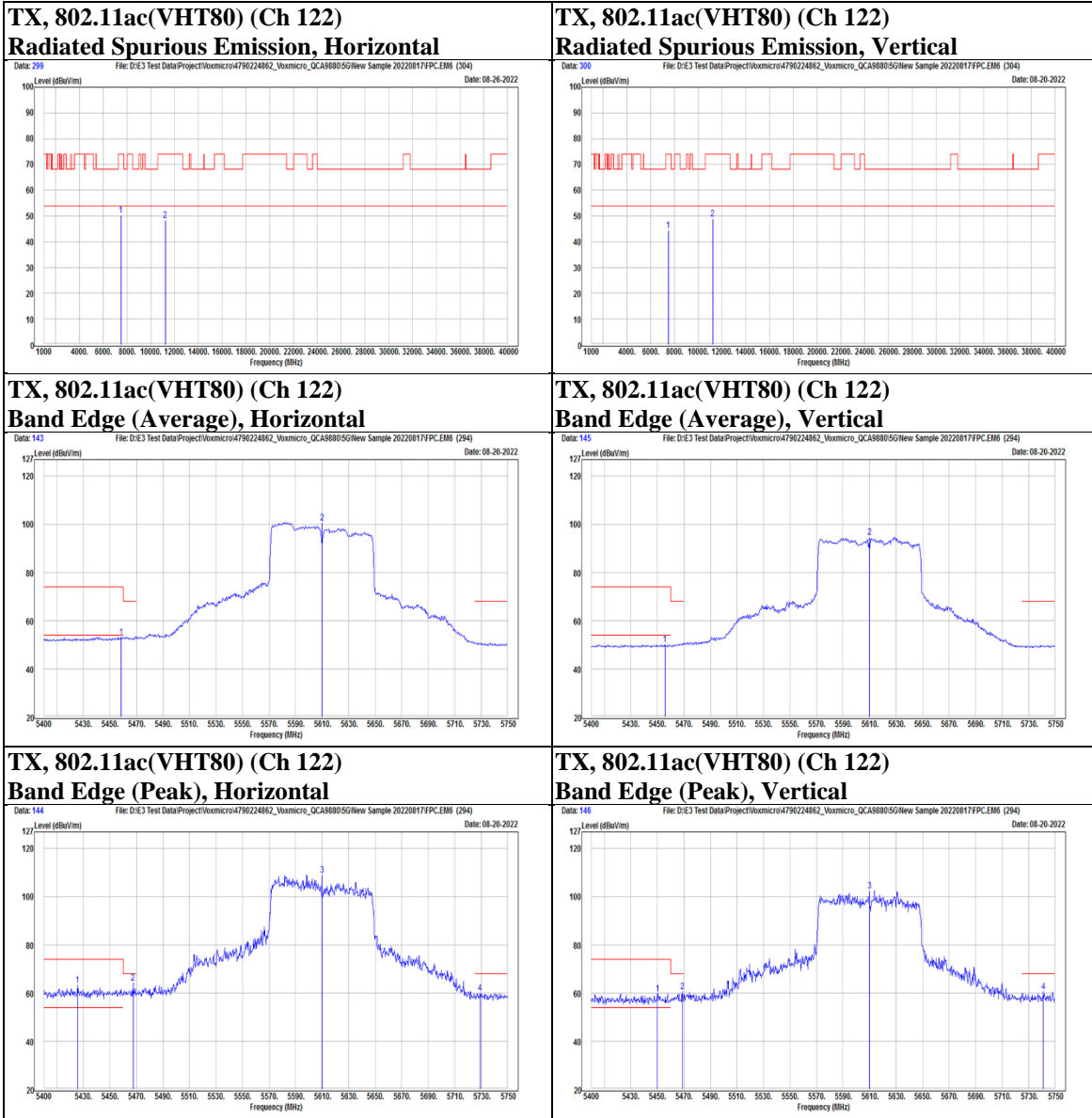
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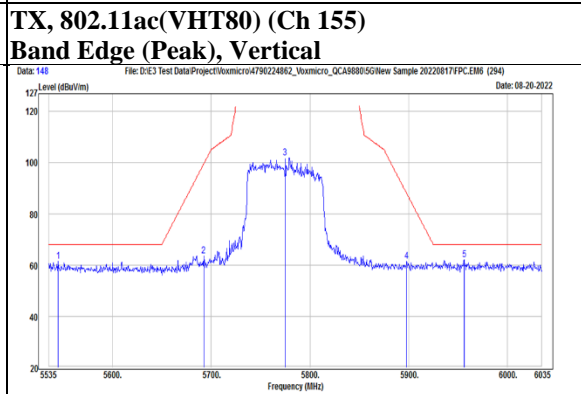
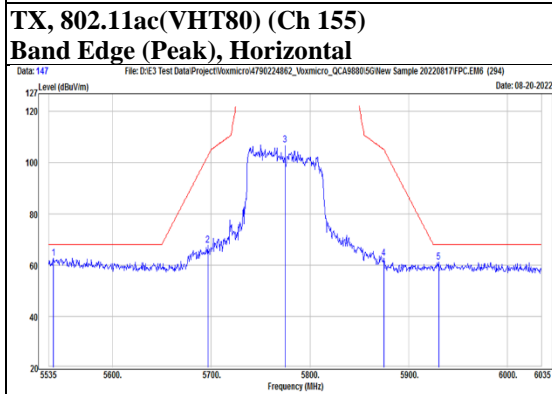
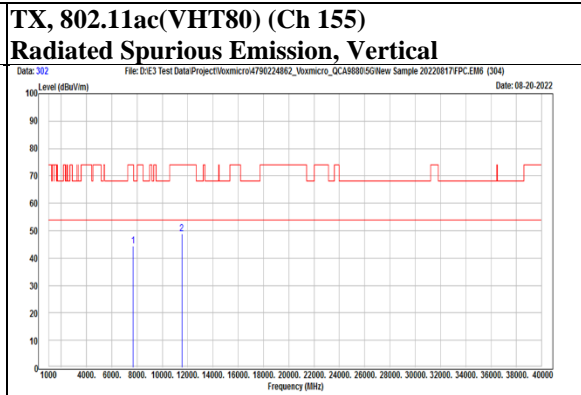
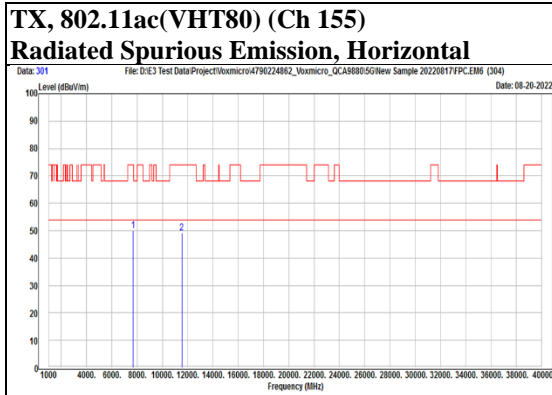
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Mode	802.11ac(VHT80)	Channel	155
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5540	43.06	19.82	62.88	68.2	-5.32	PK
		5696.5	48.05	19.72	67.77	102.62	-34.85	PK
	@	5775	86.49	20.37	106.86	N/A	N/A	PK
		5875	41.91	20.8	62.71	105.2	-42.49	PK
		5930.5	40.25	20.96	61.21	68.2	-6.99	PK
		7700	39.29	10.64	49.93	74	-24.07	PK
	*	11550	29.89	19.16	49.05	74	-24.95	PK
Vertical		5545	41.75	19.83	61.58	68.2	-6.62	PK
		5692.5	43.99	19.72	63.71	99.67	-35.96	PK
	@	5775	81.66	20.37	102.03	N/A	N/A	PK
		5898	40.51	20.96	61.47	88.14	-26.67	PK
		5956.5	41.19	20.95	62.14	68.2	-6.06	PK
		7700	33.76	10.64	44.4	74	-29.6	PK
	*	11550	29.67	19.16	48.83	74	-25.17	PK

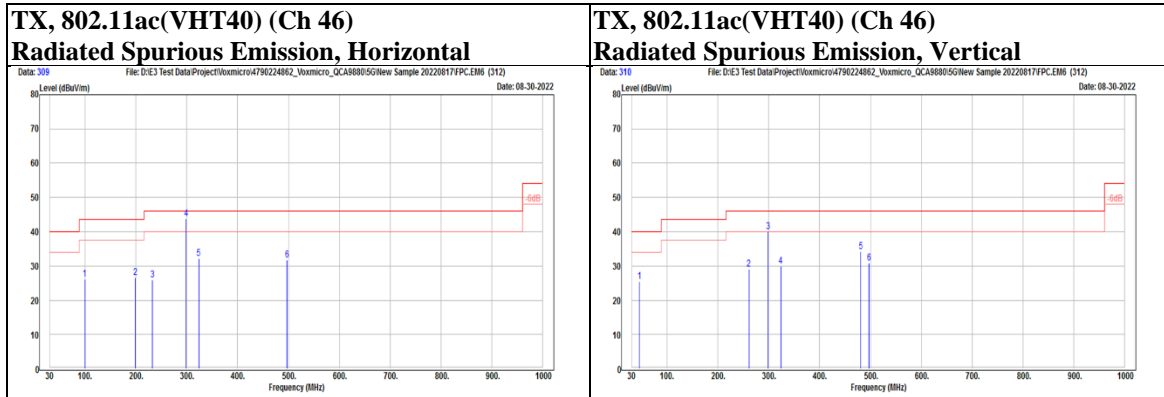




Below 1 GHz

Mode	802.11ac(VHT40)	Channel	46
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		99.84	42.49	-16.37	26.12	43.5	-17.38	PK
		198.78	40.86	-14.16	26.7	43.5	-16.8	PK
		232.73	39.34	-13.37	25.97	46	-20.03	PK
		298.69	54.56	-10.84	43.72	46	-2.28	PK
		323.91	42.33	-10.07	32.26	46	-13.74	PK
		497.54	37.05	-5.43	31.62	46	-14.38	PK
Vertical		45.52	37.58	-12	25.58	40	-14.42	PK
		260.86	41.17	-12.08	29.09	46	-16.91	PK
		298.69	50.75	-10.84	39.91	46	-6.09	PK
		323.91	40.05	-10.07	29.98	46	-16.02	PK
		481.05	40.11	-5.85	34.26	46	-11.74	PK
		497.54	36.31	-5.43	30.88	46	-15.12	PK



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Dipole Antenna

Above 1 GHz

Mode	802.11a	Channel	36
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5096.95	43.09	19.42	62.51	74	-11.49	PK
		5108.15	30.42	19.43	49.85	54	-4.15	AVG
	@	5180	85.01	19.31	104.32	N/A	N/A	PK
	@	5180	78.72	19.31	98.03	N/A	N/A	AVG
		6906.7	45.37	8.36	53.73	68.2	-14.47	PK
	*	10360	31.66	17.51	49.17	68.2	-19.03	PK
Vertical		5095.55	43.66	19.41	63.07	74	-10.93	PK
		5149.8	31.36	19.4	50.76	54	-3.24	AVG
	@	5180	92.04	19.31	111.35	N/A	N/A	PK
	@	5180	84.59	19.31	103.9	N/A	N/A	AVG
		6906.7	53.26	8.36	61.62	68.2	-6.58	PK
	*	10360	31.97	17.51	49.48	68.2	-18.72	PK

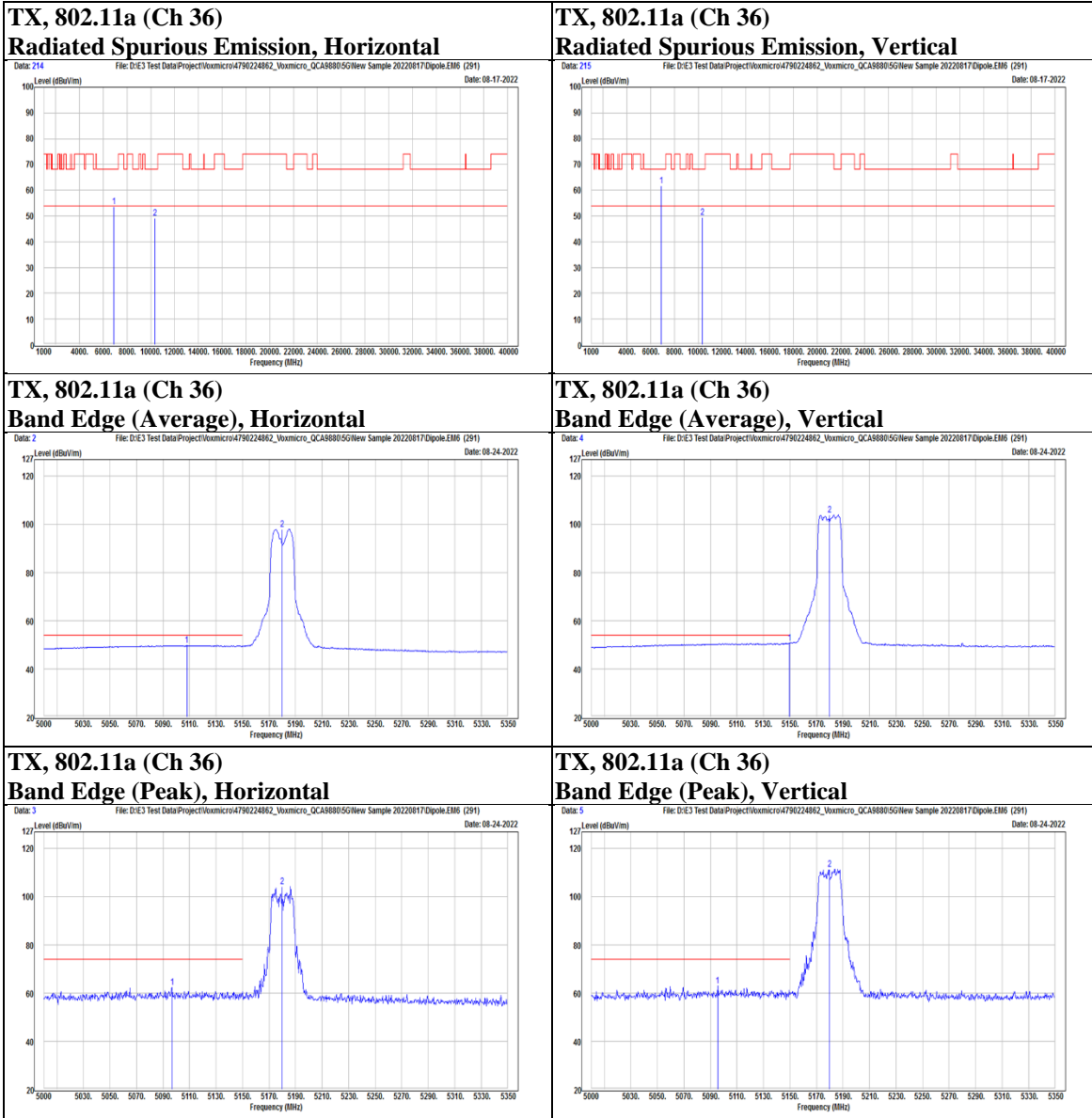
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Mode	802.11a	Channel	44
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5108.5	30.53	19.43	49.96	54	-4.04	AVG
		5127.4	42.21	19.42	61.63	74	-12.37	PK
	@	5220	86.19	19.12	105.31	N/A	N/A	PK
	@	5220	80.47	19.12	99.59	N/A	N/A	AVG
		6960	44	8.61	52.61	68.2	-15.59	PK
	*	10440	30.31	17.81	48.12	68.2	-20.08	PK
Vertical		5118.65	42.78	19.43	62.21	74	-11.79	PK
		5120.4	31.63	19.43	51.06	54	-2.94	AVG
	@	5220	95.28	19.12	114.4	N/A	N/A	PK
	@	5220	86.78	19.12	105.9	N/A	N/A	AVG
		6960	51.3	8.61	59.91	68.2	-8.29	PK
	*	10440	30.48	17.81	48.29	68.2	-19.91	PK

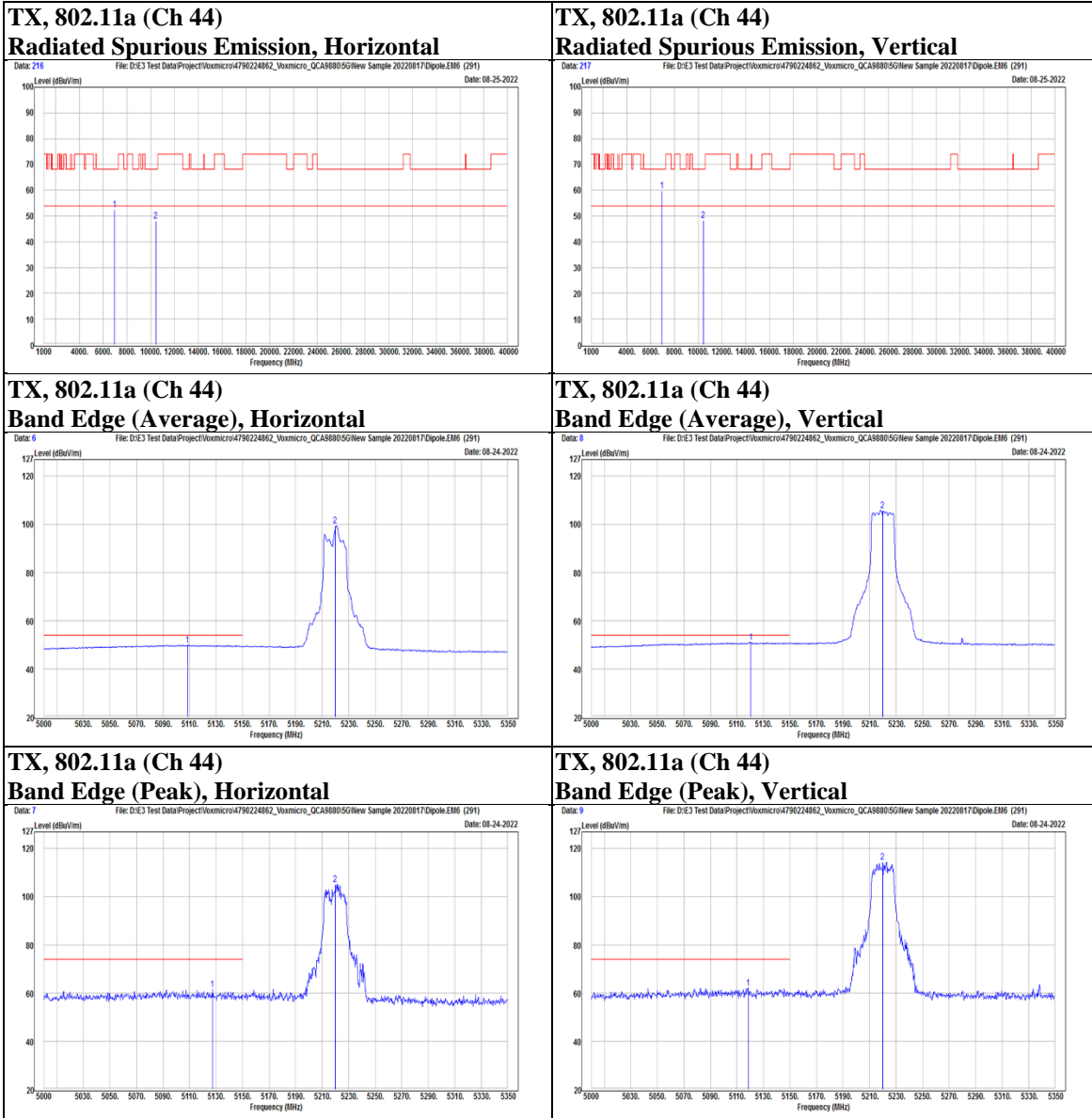
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Mode	802.11a	Channel	48
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5041.3	42.61	19.01	61.62	74	-12.38	PK
		5102.55	30.27	19.43	49.7	54	-4.3	AVG
	@	5240	86.12	18.97	105.09	N/A	N/A	PK
	@	5240	80.29	18.97	99.26	N/A	N/A	AVG
		6986.7	42.15	8.69	50.84	68.2	-17.36	PK
	*	10480	30.23	17.92	48.15	68.2	-20.05	PK
Vertical		5119.7	31.52	19.43	50.95	54	-3.05	AVG
		5127.4	43.13	19.42	62.55	74	-11.45	PK
	@	5240	95.96	18.97	114.93	N/A	N/A	PK
	@	5240	87.52	18.97	106.49	N/A	N/A	AVG
		6986.7	50.08	8.69	58.77	68.2	-9.43	PK
	*	10480	30.3	17.92	48.22	68.2	-19.98	PK

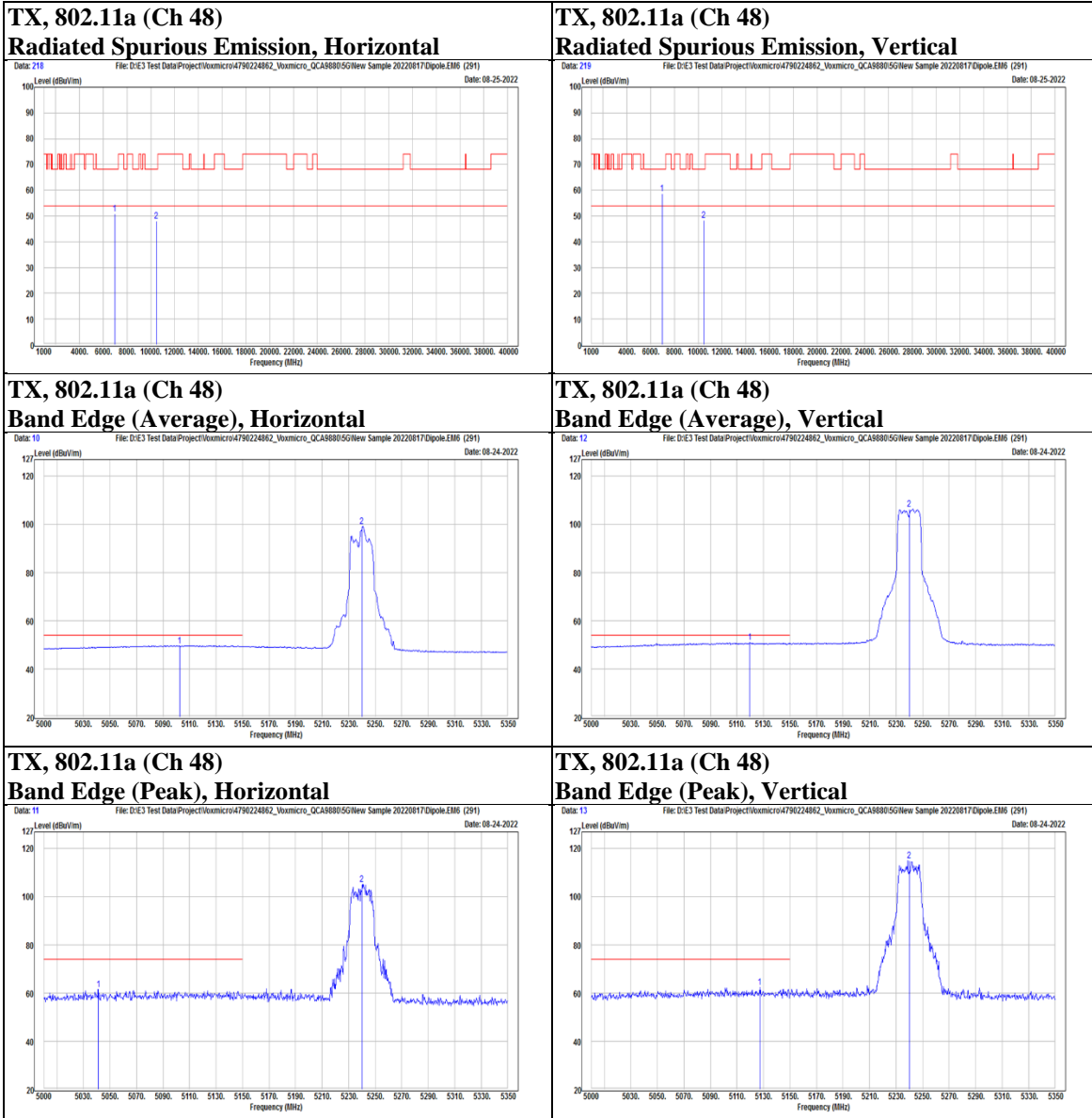
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Mode	802.11a	Channel	52
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5260	85.21	18.88	104.09	N/A	N/A	PK
	@	5260	79.71	18.88	98.59	N/A	N/A	AVG
		5412	40.42	19.32	59.74	74	-14.26	PK
		5456.4	28.4	19.55	47.95	54	-6.05	AVG
		7013.3	42.18	8.86	51.04	68.2	-17.16	PK
	*	10520	30.67	17.99	48.66	68.2	-19.54	PK
Vertical	@	5260	95.37	18.88	114.25	N/A	N/A	PK
	@	5260	86.66	18.88	105.54	N/A	N/A	AVG
		5363.7	42.22	19.08	61.3	74	-12.7	PK
		5439.9	30.36	19.47	49.83	54	-4.17	AVG
		7013.3	47.93	8.86	56.79	68.2	-11.41	PK
	*	10520	30.37	17.99	48.36	68.2	-19.84	PK

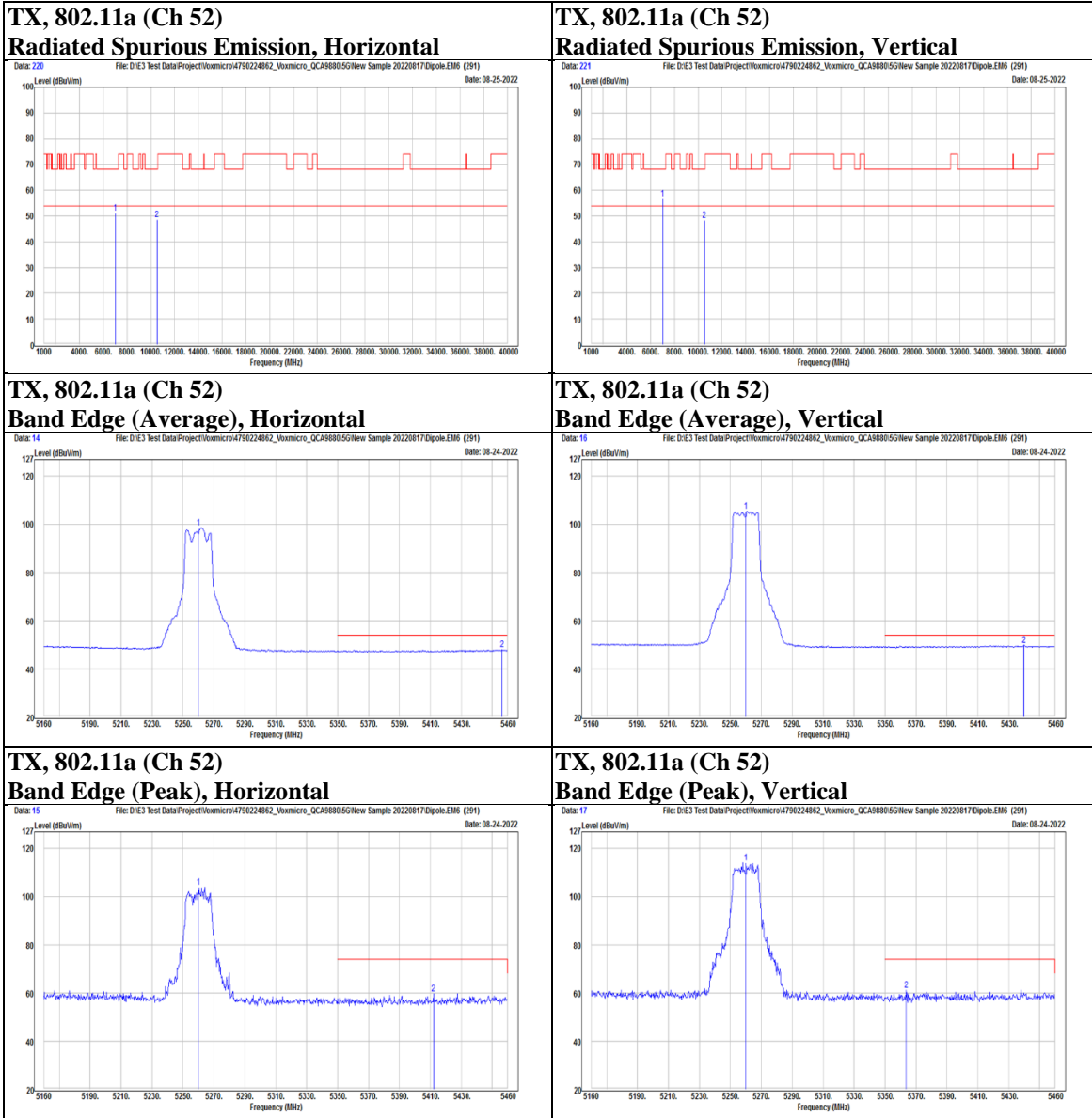
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Mode	802.11a	Channel	60
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5300	86.89	18.77	105.66	N/A	N/A	PK
	@	5300	80.07	18.77	98.84	N/A	N/A	AVG
		5435.4	40.47	19.45	59.92	74	-14.08	PK
		5454	28.51	19.54	48.05	54	-5.95	AVG
		7066.7	39.09	9.33	48.42	68.2	-19.78	PK
	*	10600	29.95	18.04	47.99	68.2	-20.21	PK
Vertical	@	5300	95.37	18.77	114.14	N/A	N/A	PK
	@	5300	86.24	18.77	105.01	N/A	N/A	AVG
		5439.9	30.76	19.47	50.23	54	-3.77	AVG
		5441.4	42.05	19.48	61.53	74	-12.47	PK
		7066.7	46.54	9.33	55.87	68.2	-12.33	PK
	*	10600	31.23	18.04	49.27	68.2	-18.93	PK

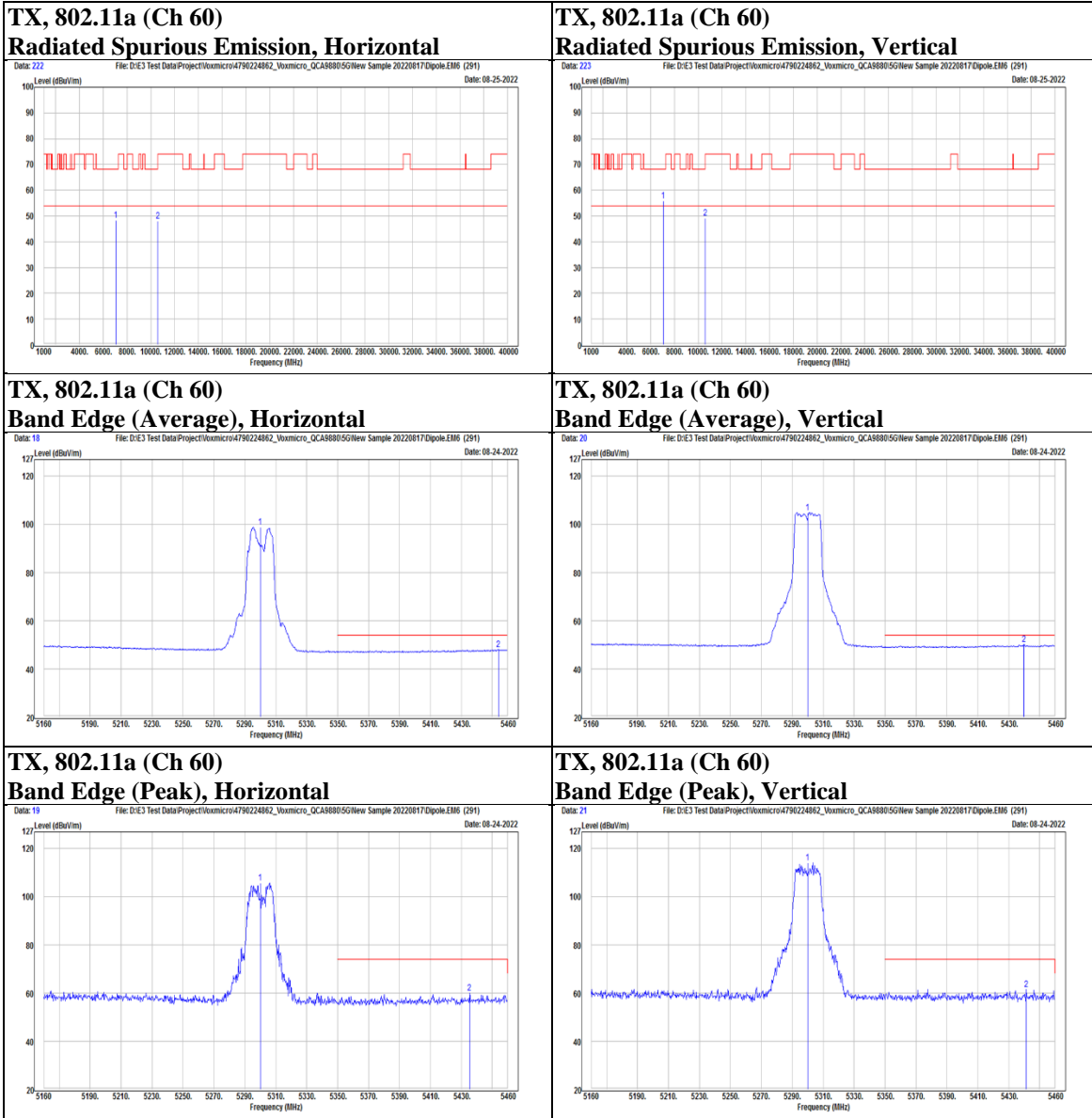
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Mode	802.11a	Channel	64
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5320	86.97	18.86	105.83	N/A	N/A	PK
	@	5320	77.97	18.86	96.83	N/A	N/A	AVG
		5376.3	40.06	19.15	59.21	74	-14.79	PK
		5457.3	28.44	19.55	47.99	54	-6.01	AVG
		7093.3	38.51	9.53	48.04	68.2	-20.16	PK
	*	10640	31.31	18.03	49.34	74	-24.66	PK
Vertical	@	5320	94.89	18.86	113.75	N/A	N/A	PK
	@	5320	85.65	18.86	104.51	N/A	N/A	AVG
		5439.9	30.82	19.47	50.29	54	-3.71	AVG
		5442.9	41.85	19.49	61.34	74	-12.66	PK
		7093.3	44.15	9.53	53.68	68.2	-14.52	PK
	*	10640	30.46	18.03	48.49	74	-25.51	PK

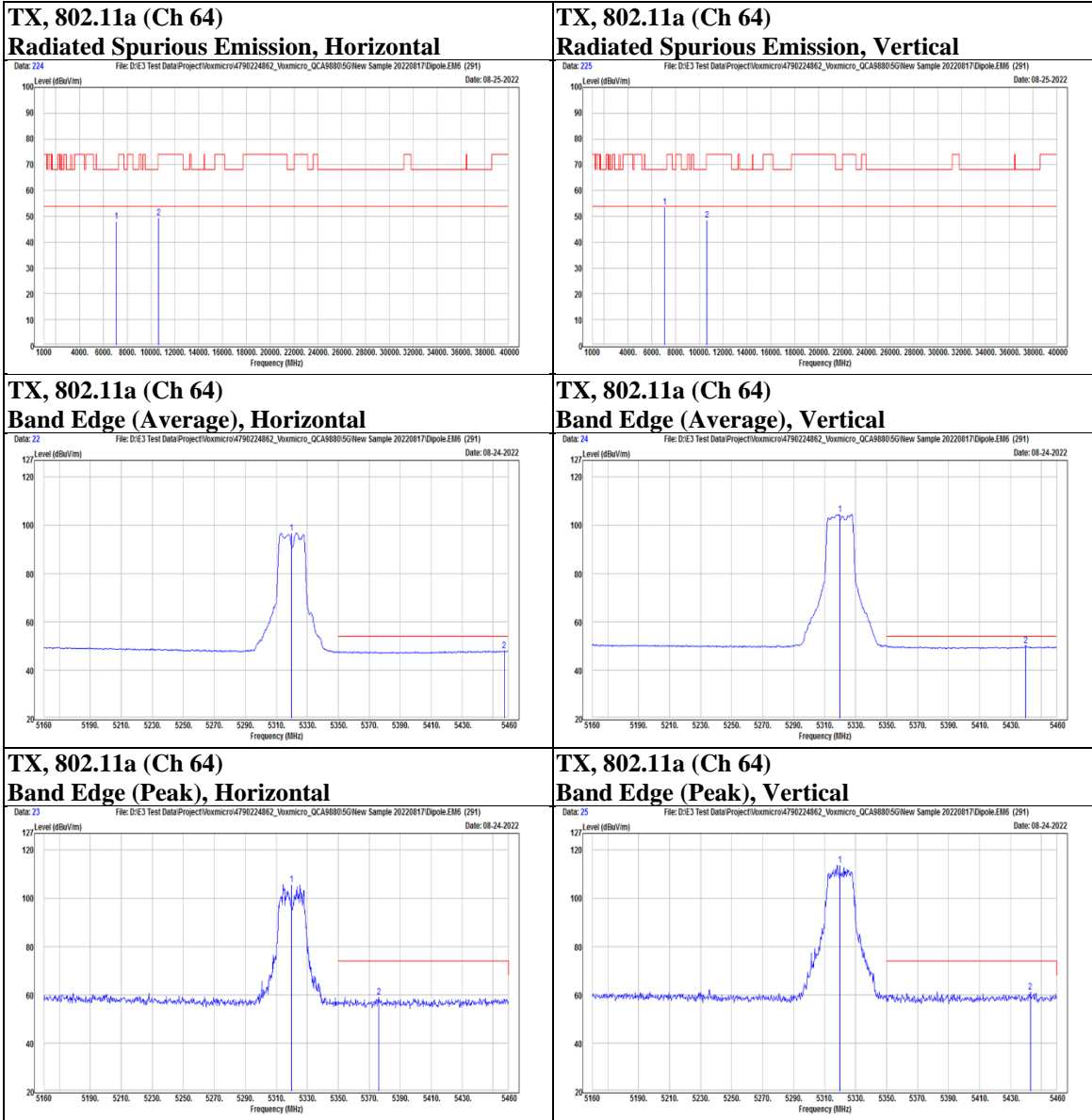
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Mode	802.11a	Channel	100
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5420.3	40.58	19.37	59.95	74	-14.05	PK
		5452.85	28.34	19.53	47.87	54	-6.13	AVG
		5465.8	39.64	19.6	59.24	68.2	-8.96	PK
	@	5500	86.39	19.77	106.16	N/A	N/A	PK
	@	5500	74.51	19.77	94.28	N/A	N/A	AVG
	*	11000	29.72	18.41	48.13	74	-25.87	PK
Vertical		5440.6	30.53	19.47	50	54	-4	AVG
		5452.5	42.9	19.53	62.43	74	-11.57	PK
		5465.8	41.18	19.6	60.78	68.2	-7.42	PK
	@	5500	95.2	19.77	114.97	N/A	N/A	PK
	@	5500	85.49	19.77	105.26	N/A	N/A	AVG
	*	11000	29.88	18.41	48.29	74	-25.71	PK

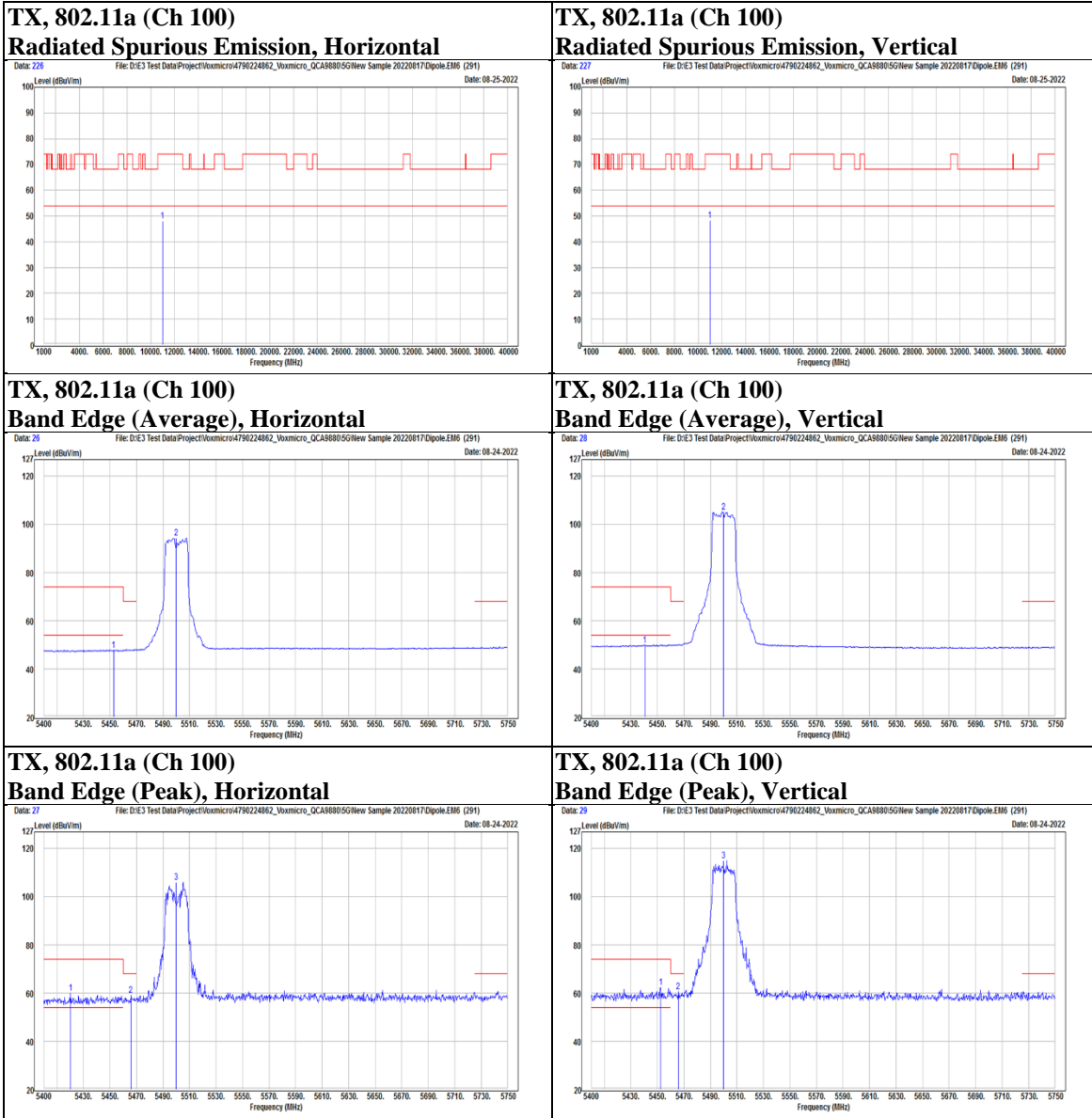
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Mode	802.11a	Channel	116
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5422.05	39.92	19.38	59.3	74	-14.7	PK
		5439.9	29.63	19.47	49.1	54	-4.9	AVG
		5461.95	39.66	19.58	59.24	68.2	-8.96	PK
	@	5580	80.66	19.76	100.42	N/A	N/A	PK
	@	5580	70.88	19.76	90.64	N/A	N/A	AVG
		5727.6	40.04	19.99	60.03	68.2	-8.17	PK
	*	11160	30.3	18.47	48.77	74	-25.23	PK
Vertical		5431.5	42.47	19.43	61.9	74	-12.1	PK
		5439.9	32.08	19.47	51.55	54	-2.45	AVG
		5470	41.56	19.62	61.18	68.2	-7.02	PK
	@	5580	91.86	19.76	111.62	N/A	N/A	PK
	@	5580	83.27	19.76	103.03	N/A	N/A	AVG
		5726.2	40.11	19.97	60.08	68.2	-8.12	PK
	*	11160	31.12	18.47	49.59	74	-24.41	PK

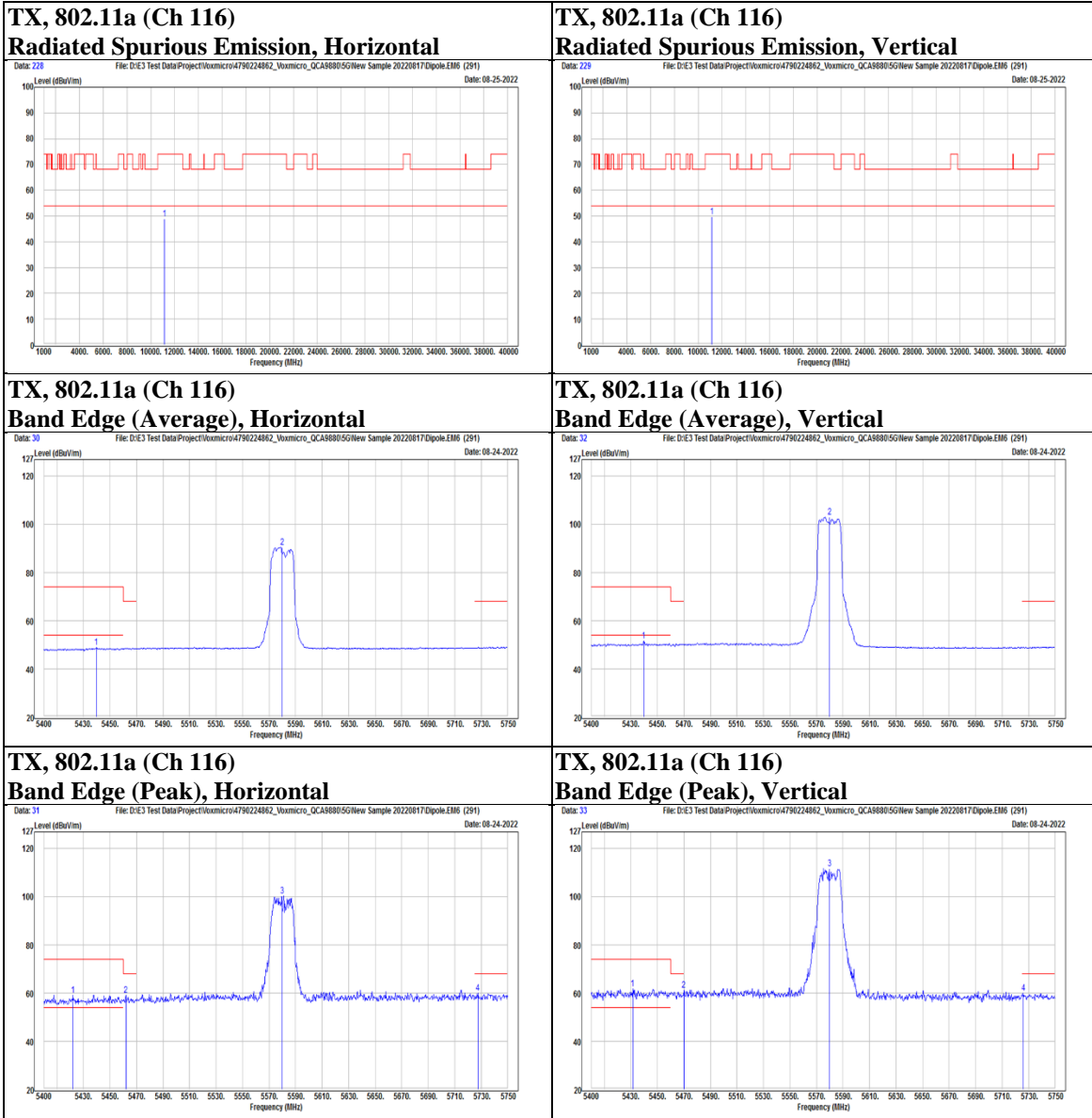
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Mode	802.11a	Channel	140
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5439.9	28.78	19.47	48.25	54	-5.75	AVG
	@	5700	77.43	19.73	97.16	N/A	N/A	PK
	@	5700	68.82	19.73	88.55	N/A	N/A	AVG
	*	5749.3	40.77	20.19	60.96	68.2	-7.24	PK
Vertical		11400	30.27	18.85	49.12	74	-24.88	PK
		5439.9	31.21	19.47	50.68	54	-3.32	AVG
	@	5700	85.4	19.73	105.13	N/A	N/A	PK
	@	5700	75.61	19.73	95.34	N/A	N/A	AVG
	*	5726.2	40.5	19.97	60.47	68.2	-7.73	PK
	11400	29.9	18.85	48.75	74	-25.25	PK	

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