

**Underwriters Laboratories Taiwan Co., Ltd.**

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Doc No: 17-EM-F0878 / 6.0



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	134
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5457.05	29.26	19.55	48.81	54	-5.19	AVG
	@	5670	79.8	19.69	99.49	N/A	N/A	PK
	@	5670	69.77	19.69	89.46	N/A	N/A	AVG
		5750	40.17	20.19	60.36	68.2	-7.84	PK
	*	11340	30.25	18.58	48.83	74	-25.17	PK
Vertical		5453.9	28.76	19.54	48.3	54	-5.7	AVG
	@	5670	72.84	19.69	92.53	N/A	N/A	PK
	@	5670	63.08	19.69	82.77	N/A	N/A	AVG
		5737.05	40.36	20.08	60.44	68.2	-7.76	PK
		*	11340	29.57	18.58	48.15	74	-25.85

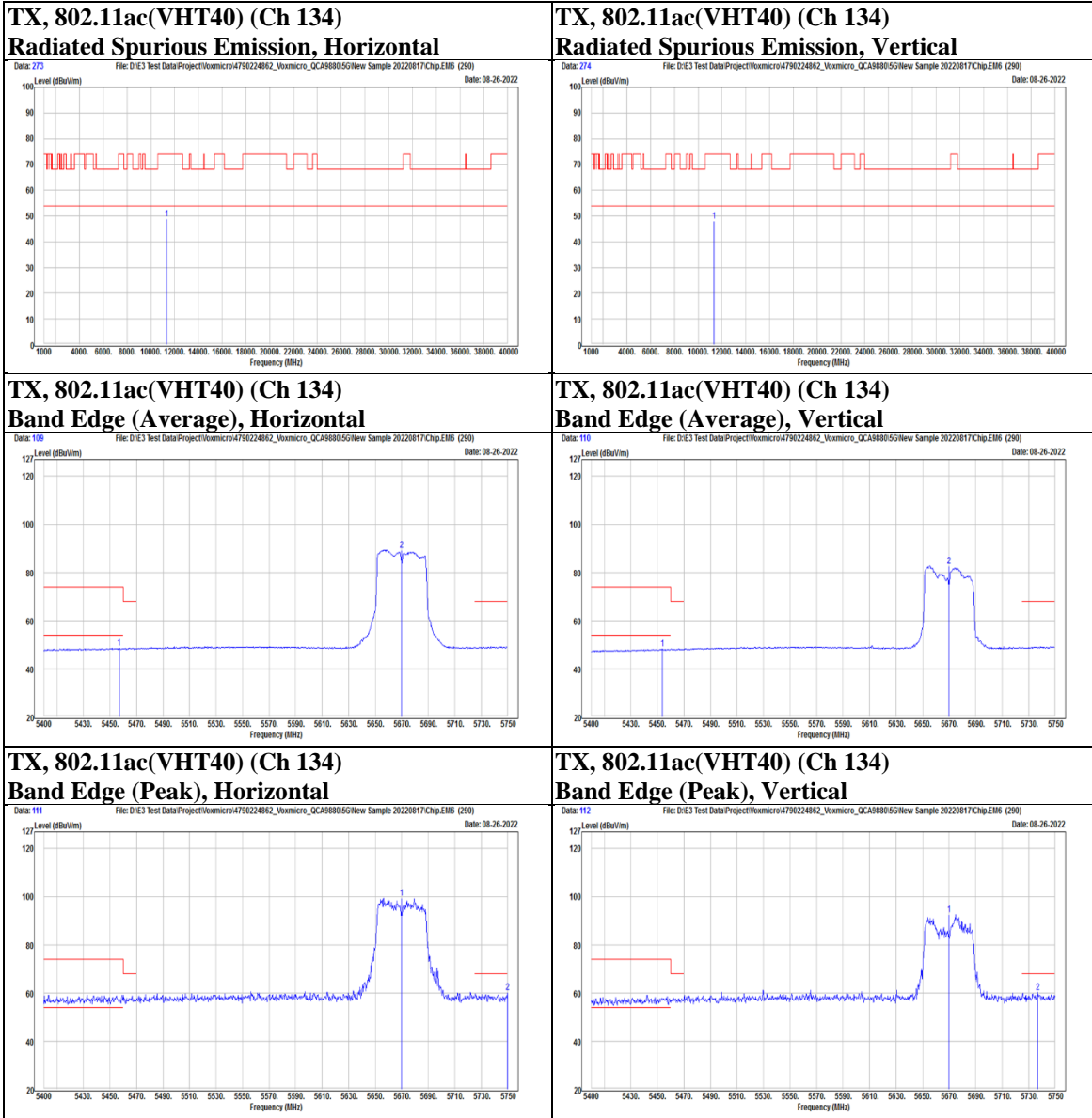
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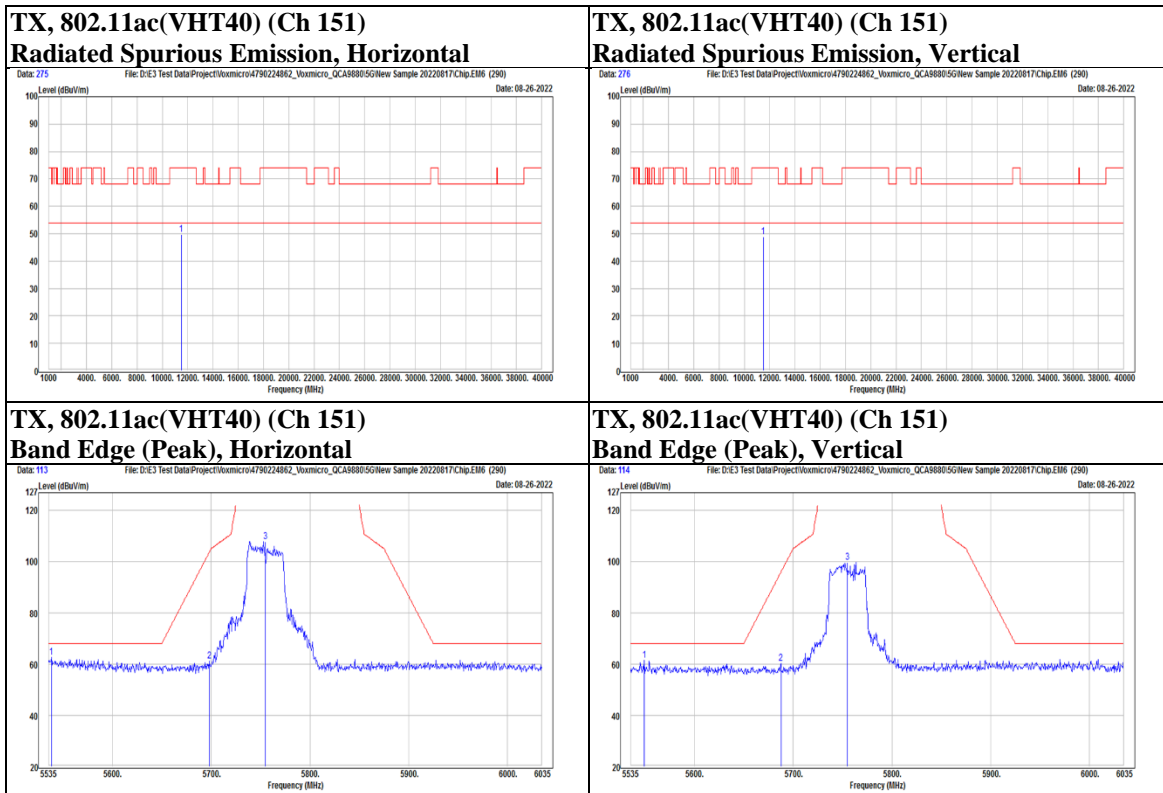
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Mode	802.11ac(VHT40)	Channel	151
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5538	43.02	19.82	62.84	68.2	-5.36	PK
		5698	41.6	19.72	61.32	103.73	-42.41	PK
	@	5755	87.68	20.22	107.9	N/A	N/A	PK
	*	11510	30.45	19.34	49.79	74	-24.21	PK
Vertical		5549	41.59	19.83	61.42	68.2	-6.78	PK
		5687.5	40.57	19.71	60.28	95.98	-35.7	PK
	@	5755	79.44	20.22	99.66	N/A	N/A	PK
	*	11510	29.61	19.34	48.95	74	-25.05	PK



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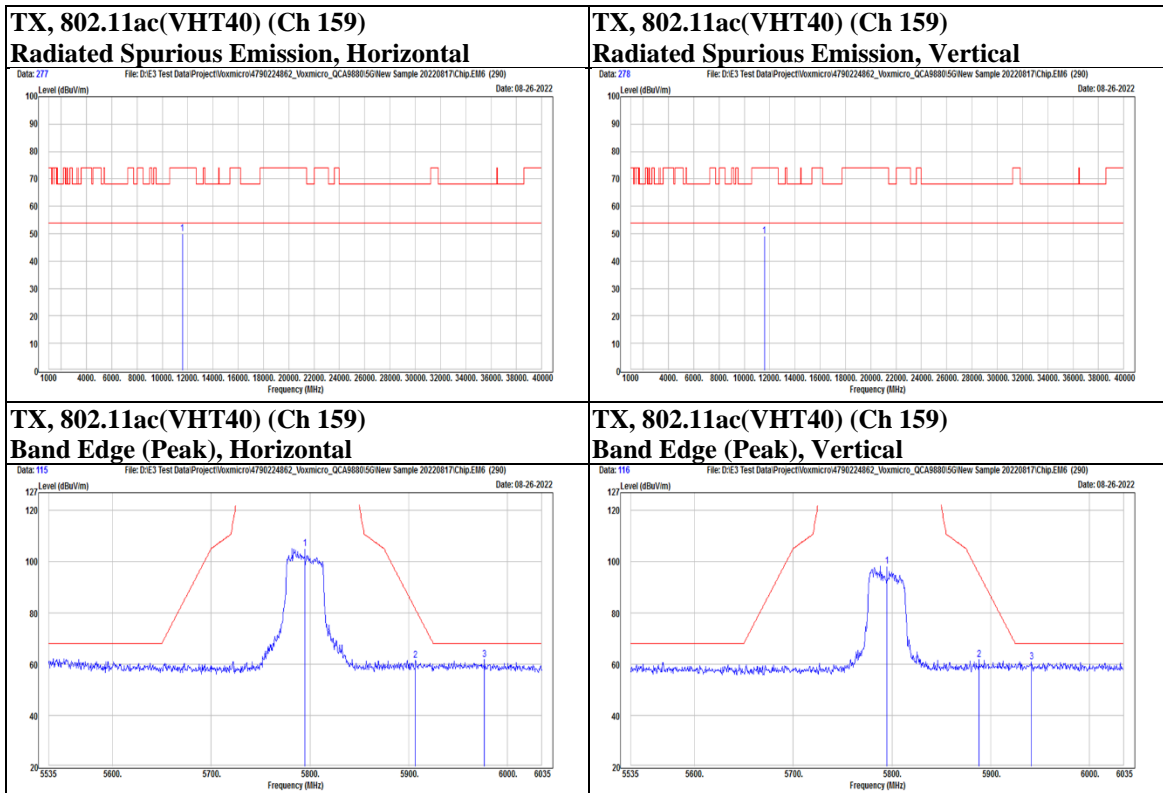
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Mode	802.11ac(VHT40)	Channel	159
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5795	84.64	20.52	105.16	N/A	N/A	PK
		5907	40.65	20.97	61.62	81.48	-19.86	PK
		5977	40.79	20.97	61.76	68.2	-6.44	PK
	*	11590	30.91	18.99	49.9	74	-24.1	PK
Vertical	@	5795	77.67	20.52	98.19	N/A	N/A	PK
		5888.5	40.84	20.9	61.74	95.18	-33.44	PK
		5941.5	40	20.95	60.95	68.2	-7.25	PK
	*	11590	30.13	18.99	49.12	74	-24.88	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		5095.9	42.49	19.42	61.91	74	-12.09	PK
		5107.45	31.01	19.44	50.45	54	-3.55	AVG
	@	5210	78.01	19.18	97.19	N/A	N/A	PK
	@	5210	65.31	19.18	84.49	N/A	N/A	AVG
	*	10420	28.91	17.76	46.67	68.2	-21.53	PK
Vertical		5104.65	30.81	19.44	50.25	54	-3.75	AVG
		5148.75	42.61	19.4	62.01	74	-11.99	PK
	@	5210	67.14	19.18	86.32	N/A	N/A	PK
	@	5210	57.38	19.18	76.56	N/A	N/A	AVG
	*	10420	29.24	17.76	47	68.2	-21.2	PK

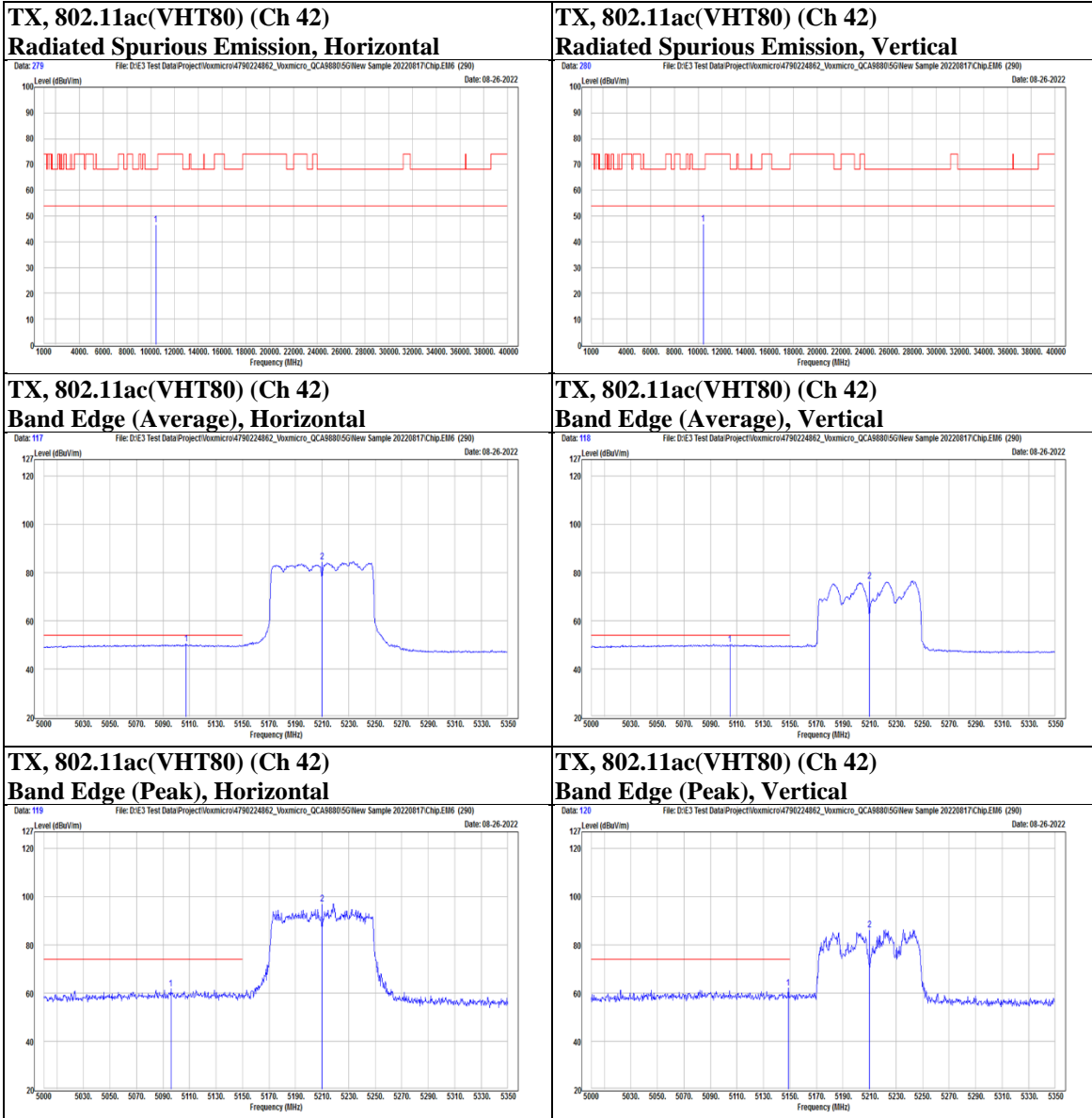
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Mode	802.11ac(VHT80)	Channel	58
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5290	80.41	18.79	99.2	N/A	N/A	PK
	@	5290	67.27	18.79	86.06	N/A	N/A	AVG
		5352.9	29.72	19.03	48.75	54	-5.25	AVG
		5414.7	40.38	19.34	59.72	74	-14.28	PK
	*	10580	29.51	18.04	47.55	68.2	-20.65	PK
Vertical	@	5290	69.09	18.79	87.88	N/A	N/A	PK
	@	5290	59.28	18.79	78.07	N/A	N/A	AVG
		5439.9	39.54	19.47	59.01	74	-14.99	PK
		5457.9	28.99	19.56	48.55	54	-5.45	AVG
		*	10580	28.71	18.04	46.75	68.2	-21.45

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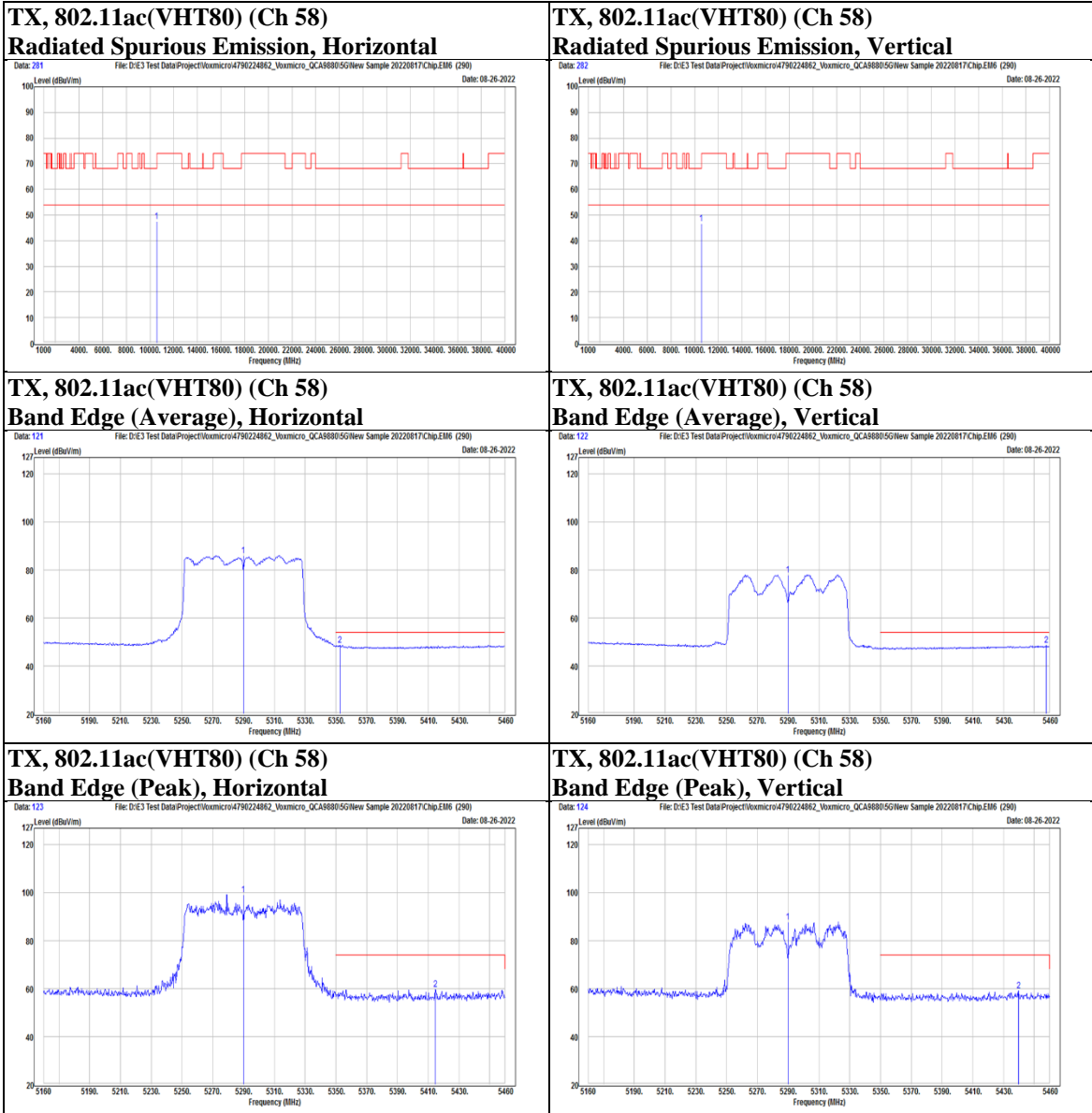
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Mode	802.11ac(VHT80)	Channel	106
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5453.9	29.58	19.54	49.12	54	-4.88	AVG
		5456.35	40.28	19.55	59.83	74	-14.17	PK
		5467.55	40.24	19.61	59.85	68.2	-8.35	PK
	@	5530	77.28	19.81	97.09	N/A	N/A	PK
	@	5530	68.76	19.81	88.57	N/A	N/A	AVG
	*	11060	30.7	18.44	49.14	74	-24.86	PK
Vertical		5436.4	39.41	19.46	58.87	74	-15.13	PK
		5457.4	28.97	19.55	48.52	54	-5.48	AVG
		5465.1	38.72	19.59	58.31	68.2	-9.89	PK
	@	5530	71.7	19.81	91.51	N/A	N/A	PK
	@	5530	63.02	19.81	82.83	N/A	N/A	AVG
	*	11060	30.29	18.44	48.73	74	-25.27	PK

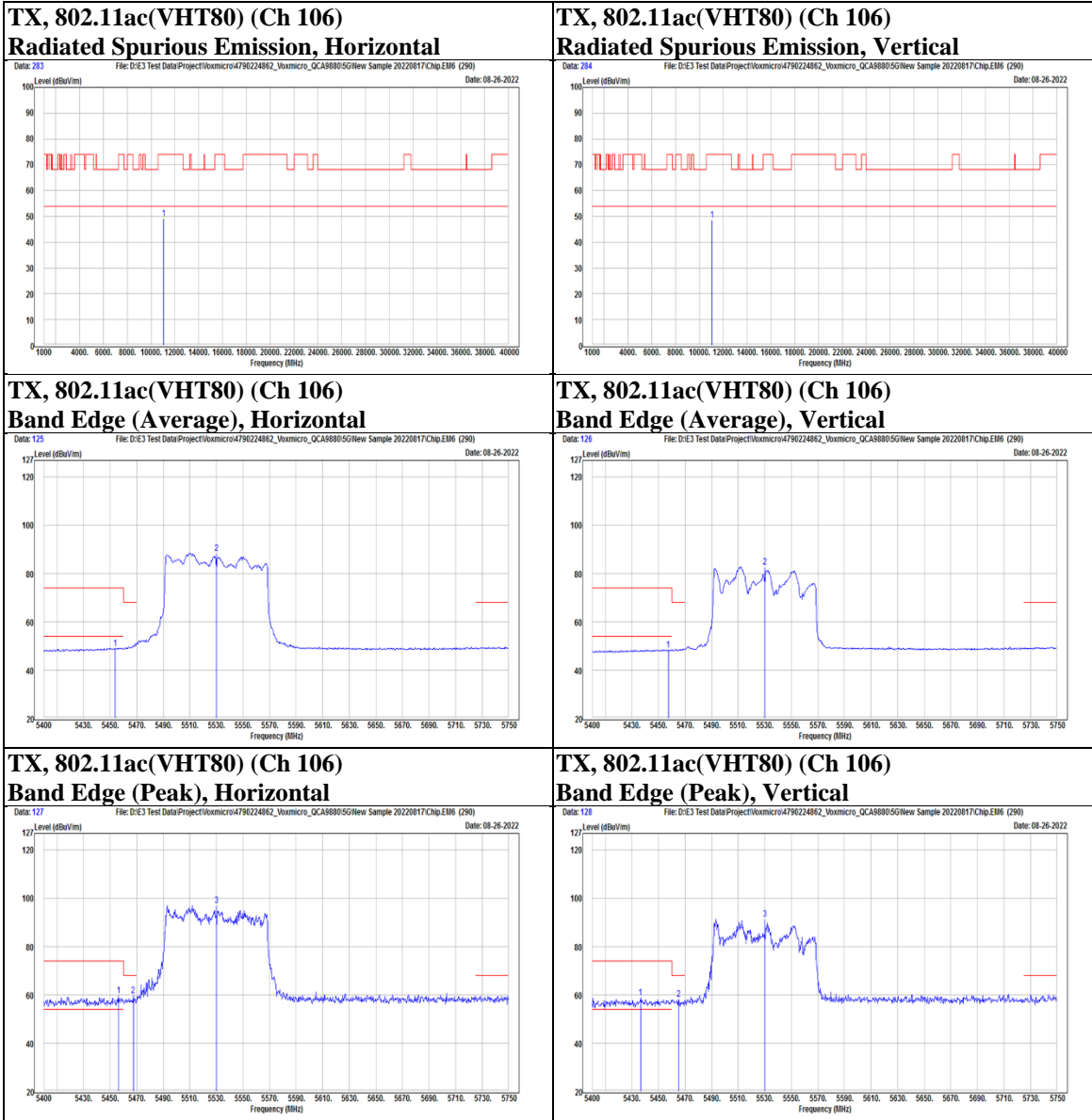
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Mode	802.11ac(VHT80)	Channel	122
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5454.95	39.31	19.54	58.85	74	-15.15	PK
		5456.35	29.21	19.55	48.76	54	-5.24	AVG
		5468.95	39.55	19.62	59.17	68.2	-9.03	PK
	@	5610	78.39	19.69	98.08	N/A	N/A	PK
	@	5610	67.99	19.69	87.68	N/A	N/A	AVG
		5730.75	39.72	20.02	59.74	68.2	-8.46	PK
	*	11220	29.45	18.47	47.92	74	-26.08	PK
Vertical		5453.55	39.24	19.53	58.77	74	-15.23	PK
		5459.85	29.04	19.57	48.61	54	-5.39	AVG
		5463.35	40.78	19.58	60.36	68.2	-7.84	PK
	@	5610	68.98	19.69	88.67	N/A	N/A	PK
	@	5610	61.76	19.69	81.45	N/A	N/A	AVG
		5743.7	40.72	20.14	60.86	68.2	-7.34	PK
	*	11220	29.35	18.47	47.82	74	-26.18	PK

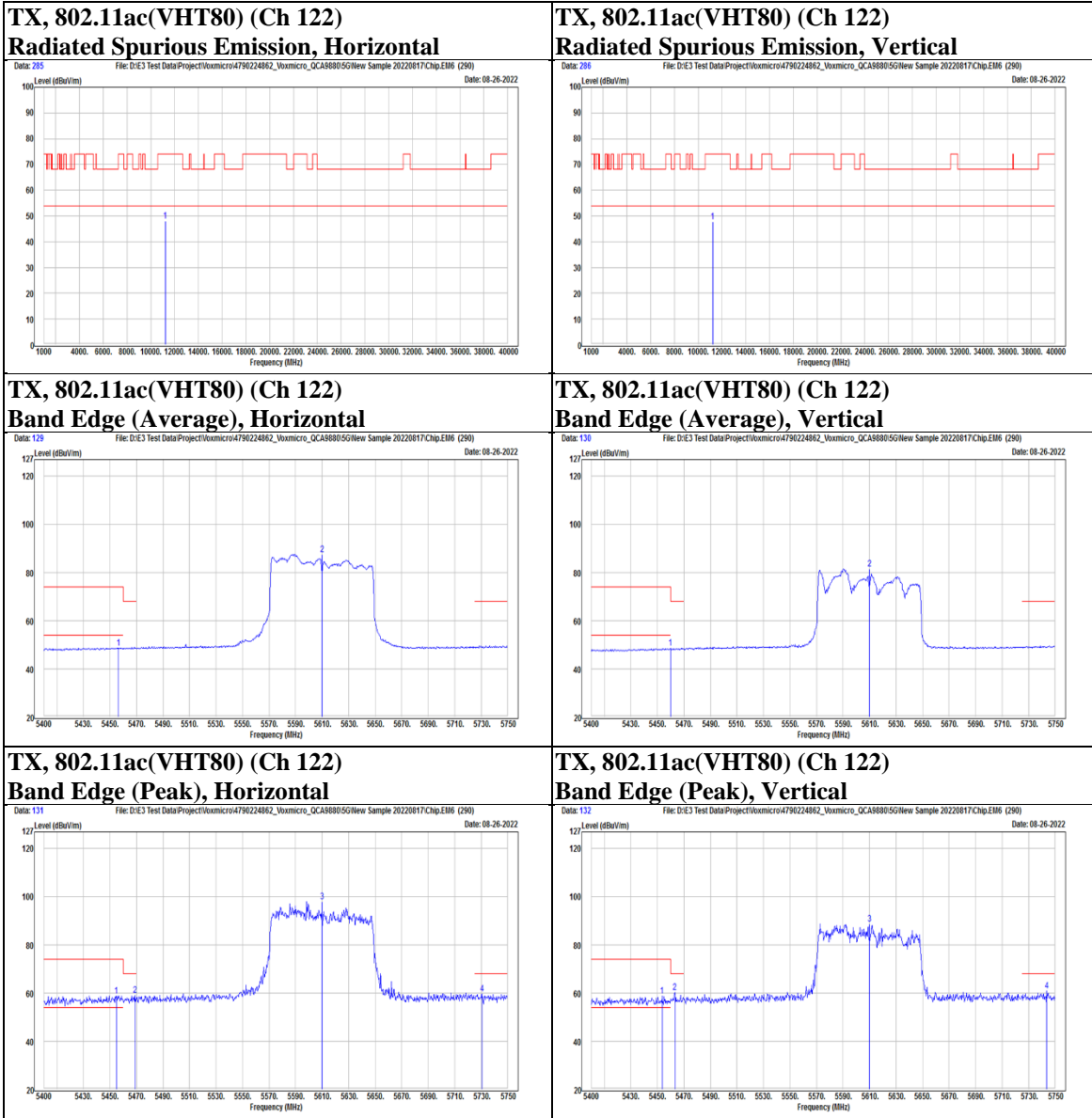
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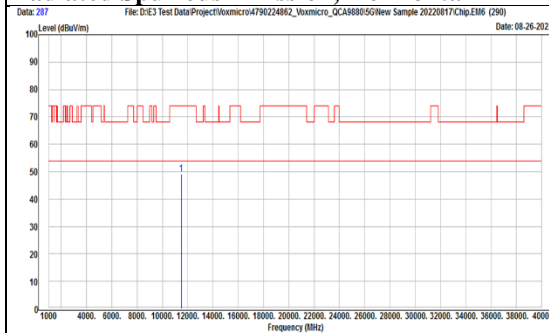


Mode	802.11ac(VHT80)	Channel	155
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5542.5	43.58	19.82	63.4	68.2	-4.8	PK
		5698	47.62	19.72	67.34	103.73	-36.39	PK
	@	5775	83.89	20.37	104.26	N/A	N/A	PK
		5909.5	41.26	20.97	62.23	79.64	-17.41	PK
		5990.5	40.57	20.99	61.56	68.2	-6.64	PK
		11510	29.95	19.34	49.29	74	-24.71	PK
Vertical		5559.5	40.91	19.81	60.72	68.2	-7.48	PK
		5679	41.09	19.7	60.79	89.7	-28.91	PK
	@	5775	75.32	20.37	95.69	N/A	N/A	PK
		5917.5	40.6	20.96	61.56	73.73	-12.17	PK
		5983	40.71	20.98	61.69	68.2	-6.51	PK
		11510	30.11	19.34	49.45	74	-24.55	PK

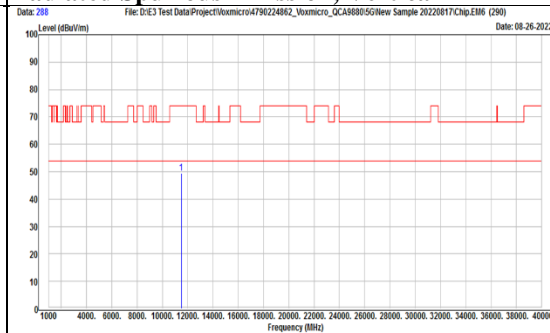
**TX, 802.11ac(VHT80) (Ch 155)**

**Radiated Spurious Emission, Horizontal**



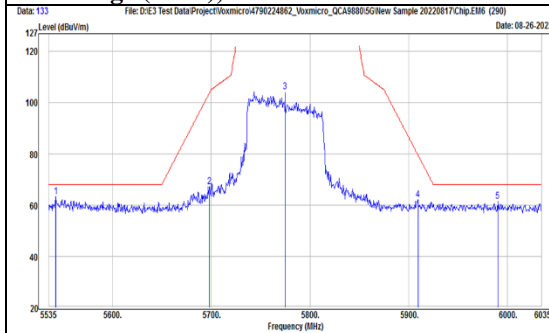
**TX, 802.11ac(VHT80) (Ch 155)**

**Radiated Spurious Emission, Vertical**



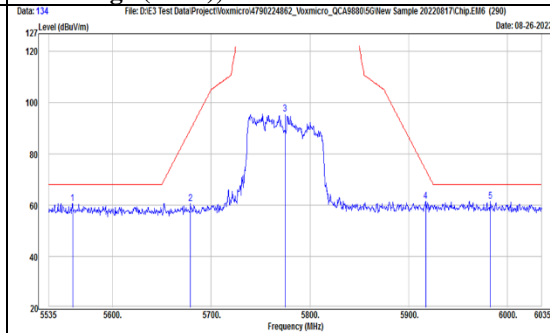
**TX, 802.11ac(VHT80) (Ch 155)**

**Band Edge (Peak), Horizontal**



**TX, 802.11ac(VHT80) (Ch 155)**

**Band Edge (Peak), Vertical**

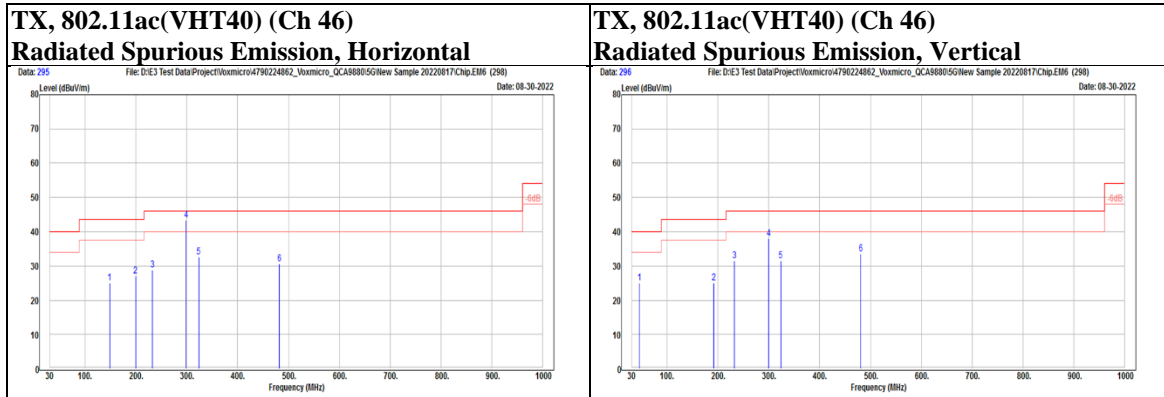




**Below 1 GHz**

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		148.34	36.93	-11.98	24.95	43.5	-18.55	PK
		199.75	41.2	-14.23	26.97	43.5	-16.53	PK
		232.73	42.21	-13.37	28.84	46	-17.16	PK
		298.69	54.23	-10.84	43.39	46	-2.61	PK
		323.91	42.63	-10.07	32.56	46	-13.44	PK
		482.02	36.37	-5.83	30.54	46	-15.46	PK
Vertical		45.52	37.06	-12	25.06	40	-14.94	PK
		191.99	39.07	-14	25.07	43.5	-18.43	PK
		232.73	44.95	-13.37	31.58	46	-14.42	PK
		299.66	48.7	-10.81	37.89	46	-8.11	PK
		323.91	41.69	-10.07	31.62	46	-14.38	PK
		481.05	39.29	-5.85	33.44	46	-12.56	PK



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## FPC 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		5098.7	30.03	19.43	49.46	54	-4.54	AVG
		5107.45	42.14	19.44	61.58	74	-12.42	PK
	@	5180	85.24	19.31	104.55	N/A	N/A	PK
	@	5180	74.85	19.31	94.16	N/A	N/A	AVG
		6906.7	58.69	8.36	67.05	68.2	-1.15	PK
	*	10360	31.39	17.51	48.9	68.2	-19.3	PK
Vertical		5101.85	29.96	19.44	49.4	54	-4.6	AVG
		5138.95	42.31	19.41	61.72	74	-12.28	PK
	@	5180	81.52	19.31	100.83	N/A	N/A	PK
	@	5180	72.75	19.31	92.06	N/A	N/A	AVG
		6906.7	50.72	8.36	59.08	68.2	-9.12	PK
	*	10360	32.4	17.51	49.91	68.2	-18.29	PK

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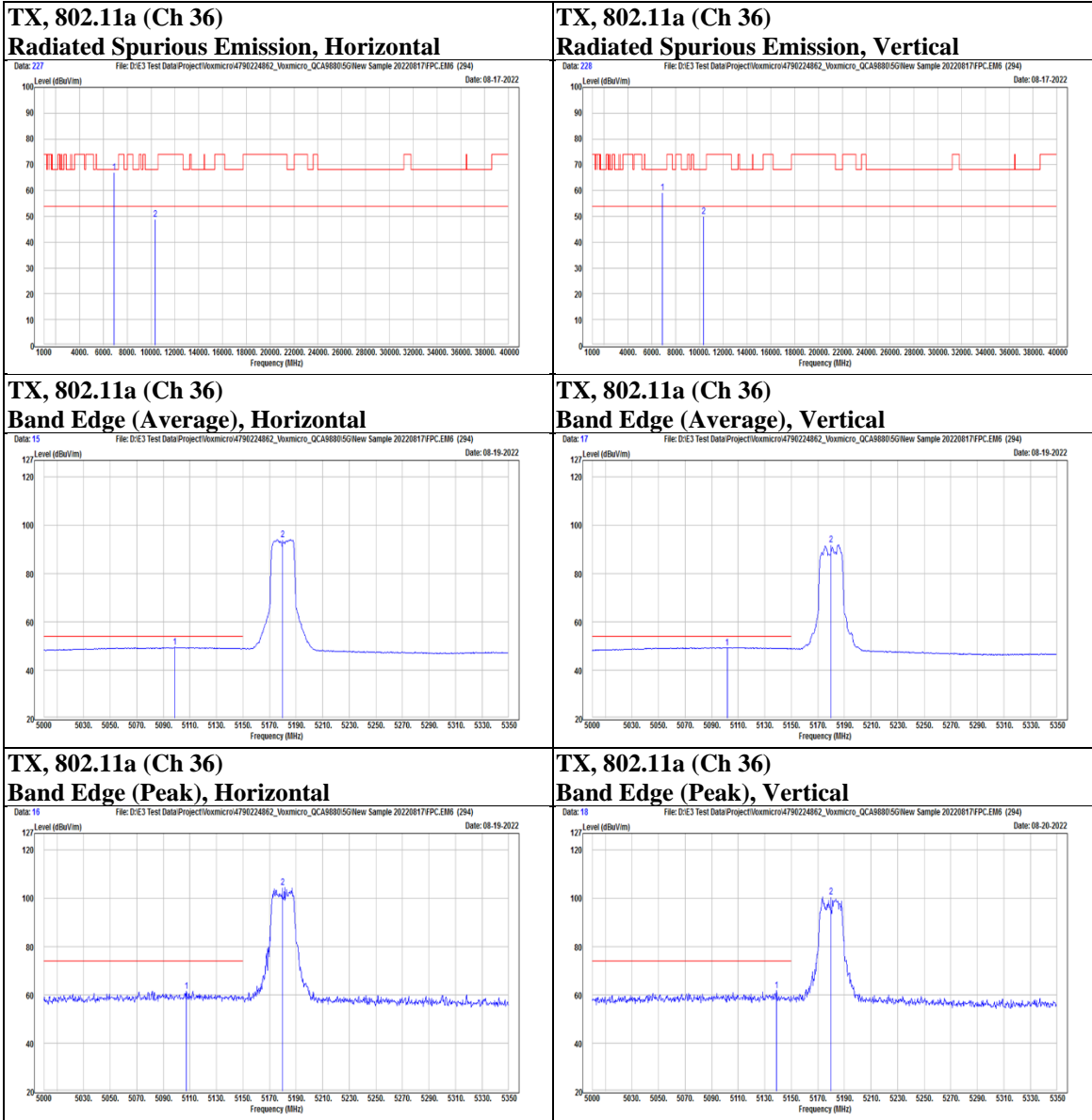
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Mode	802.11a	Channel	44
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5105	30.3	19.44	49.74	54	-4.26	AVG
		5140.35	42.92	19.41	62.33	74	-11.67	PK
	@	5220	87.29	19.12	106.41	N/A	N/A	PK
	@	5220	79.49	19.12	98.61	N/A	N/A	AVG
		6960	56.8	8.61	65.41	68.2	-2.79	PK
	*	10440	33.65	17.81	51.46	68.2	-16.74	PK
Vertical		5079.45	41.68	19.3	60.98	74	-13.02	PK
		5102.9	30.1	19.44	49.54	54	-4.46	AVG
	@	5220	84.29	19.12	103.41	N/A	N/A	PK
	@	5220	76.56	19.12	95.68	N/A	N/A	AVG
		6960	44.69	8.61	53.3	68.2	-14.9	PK
	*	10440	28.95	17.81	46.76	68.2	-21.44	PK

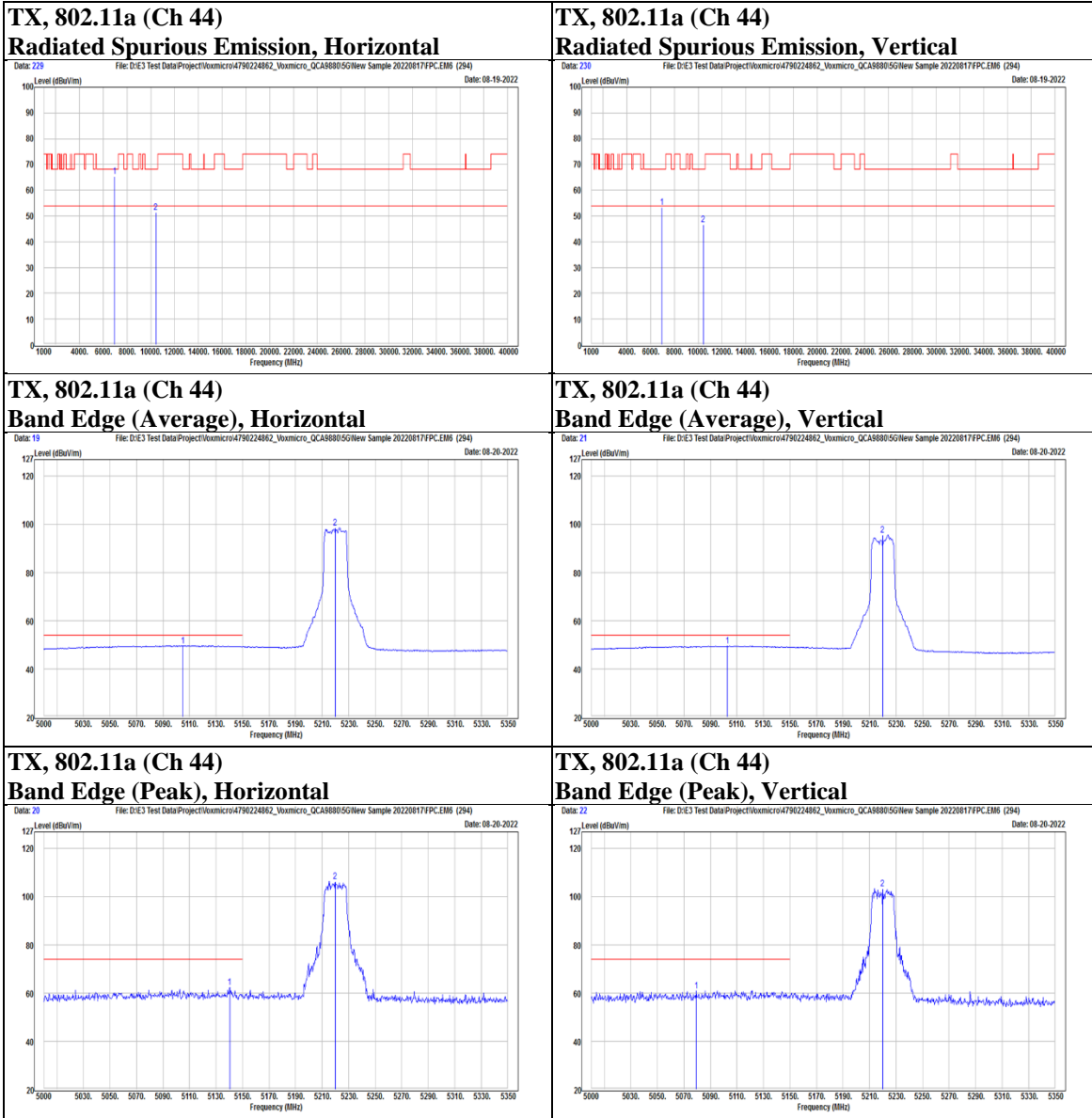
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Mode	802.11a	Channel	48
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5110.6	42.18	19.44	61.62	74	-12.38	PK
		5121.8	30.46	19.43	49.89	54	-4.11	AVG
	@	5240	88.81	18.97	107.78	N/A	N/A	PK
	@	5240	80.86	18.97	99.83	N/A	N/A	AVG
		6986.7	56.81	8.69	65.5	68.2	-2.7	PK
	*	10480	29.99	17.92	47.91	68.2	-20.29	PK
Vertical		5057.75	42.43	19.14	61.57	74	-12.43	PK
		5108.5	30.08	19.43	49.51	54	-4.49	AVG
	@	5240	84.74	18.97	103.71	N/A	N/A	PK
	@	5240	77.24	18.97	96.21	N/A	N/A	AVG
		6986.7	43.42	8.69	52.11	68.2	-16.09	PK
	*	10480	29.4	17.92	47.32	68.2	-20.88	PK

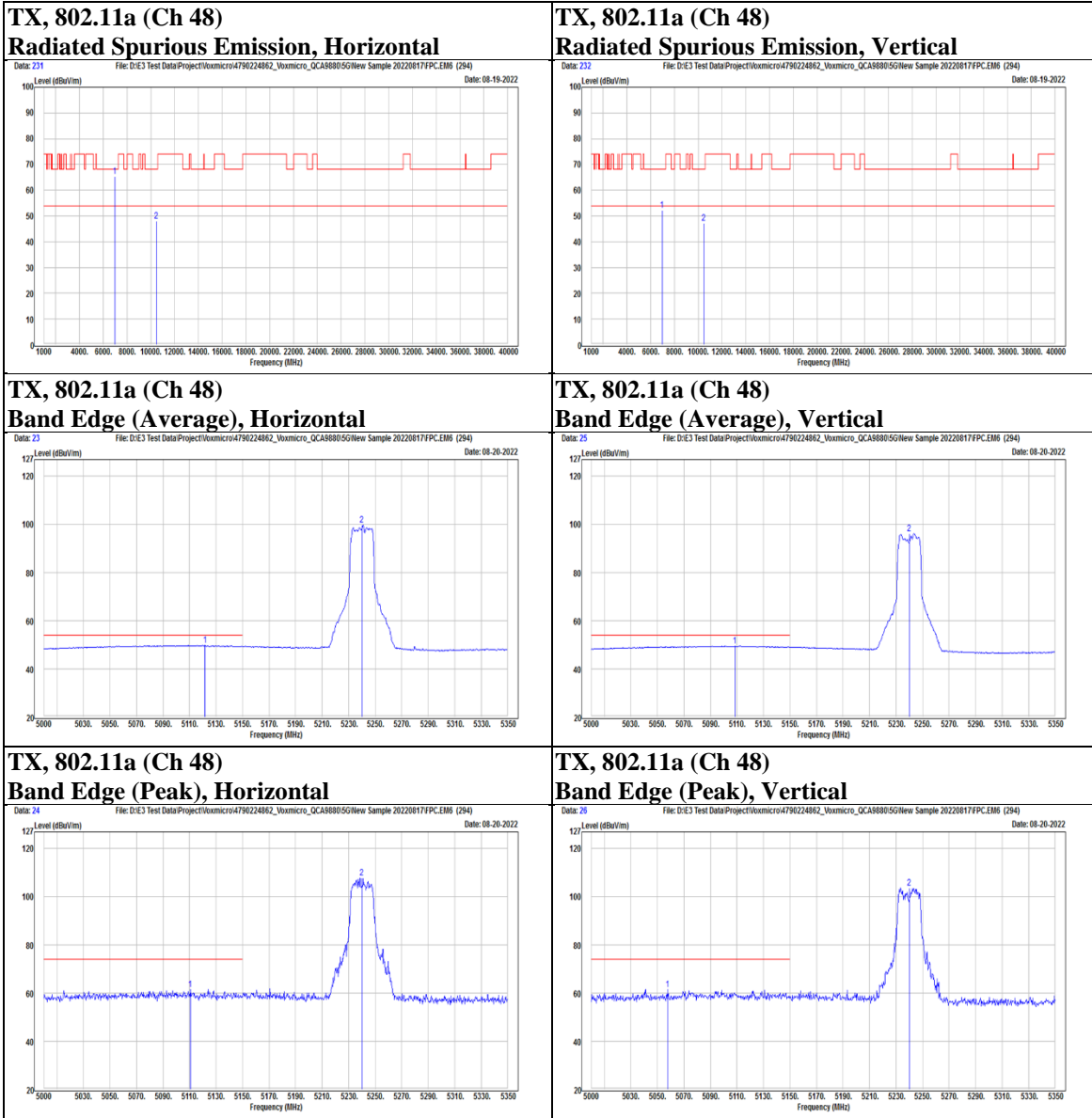
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Mode	802.11a	Channel	52
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5260	89.15	18.88	108.03	N/A	N/A	PK
	@	5260	81.41	18.88	100.29	N/A	N/A	AVG
		5431.5	40.05	19.43	59.48	74	-14.52	PK
		5440.2	29.13	19.47	48.6	54	-5.4	AVG
		7013.3	53.76	8.86	62.62	68.2	-5.58	PK
	*	10520	29.01	17.99	47	68.2	-21.2	PK
Vertical	@	5260	85.49	18.88	104.37	N/A	N/A	PK
	@	5260	77.05	18.88	95.93	N/A	N/A	AVG
		5382.3	40	19.18	59.18	74	-14.82	PK
		5439.9	28.42	19.47	47.89	54	-6.11	AVG
		7013.3	43.62	8.86	52.48	68.2	-15.72	PK
	*	10520	29.8	17.99	47.79	68.2	-20.41	PK

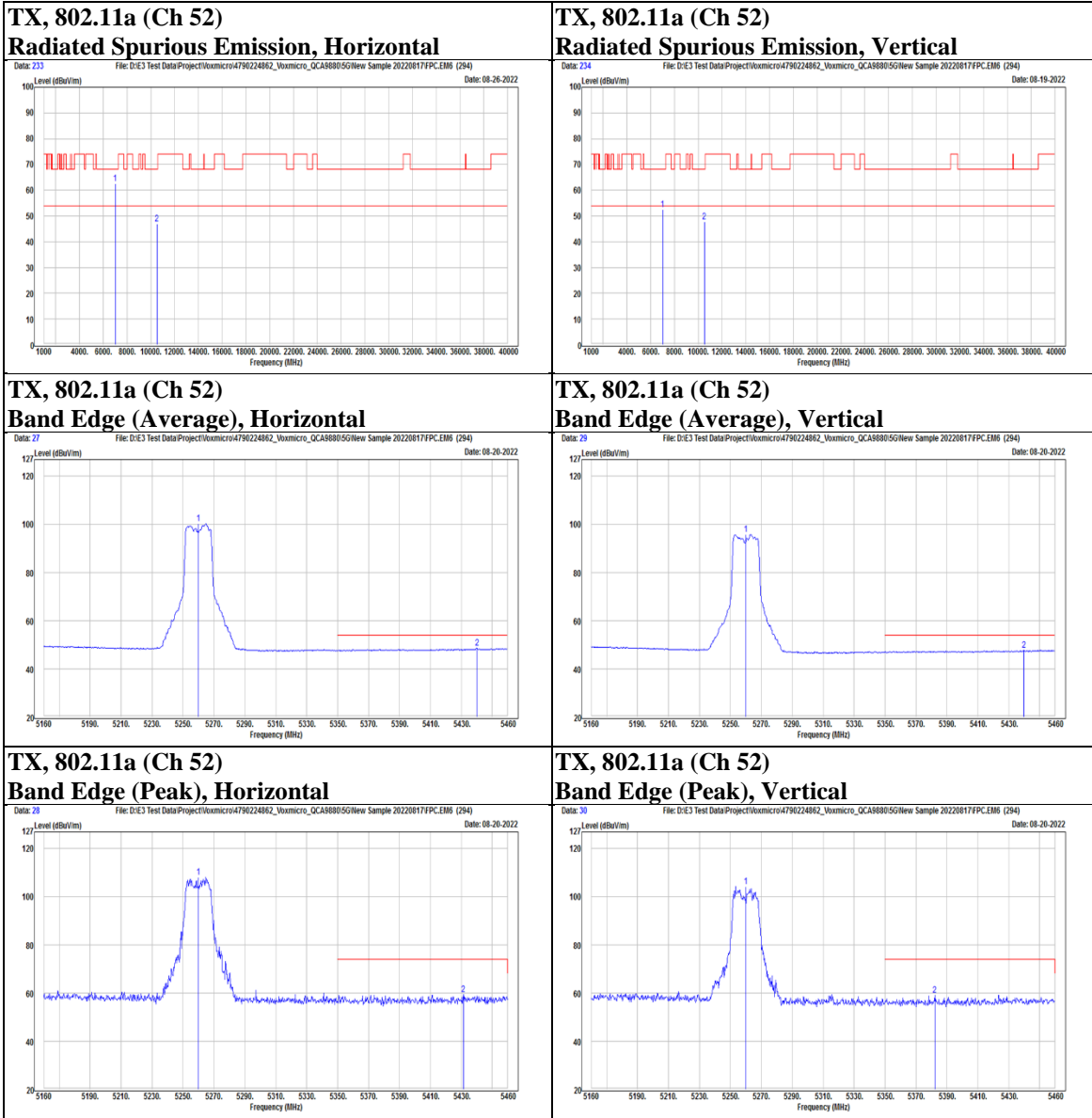
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Mode	802.11a	Channel	60
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5300	90.02	18.77	108.79	N/A	N/A	PK
	@	5300	82.22	18.77	100.99	N/A	N/A	AVG
		5358.6	41.39	19.05	60.44	74	-13.56	PK
		5439.9	29.37	19.47	48.84	54	-5.16	AVG
		7066.7	51.85	9.33	61.18	68.2	-7.02	PK
	*	10600	29.21	18.04	47.25	68.2	-20.95	PK
Vertical	@	5300	83.18	18.77	101.95	N/A	N/A	PK
	@	5300	76.56	18.77	95.33	N/A	N/A	AVG
		5449.5	40.51	19.51	60.02	74	-13.98	PK
		5451.9	28.22	19.53	47.75	54	-6.25	AVG
		7066.7	43.69	9.33	53.02	68.2	-15.18	PK
	*	10600	29.94	18.04	47.98	68.2	-20.22	PK

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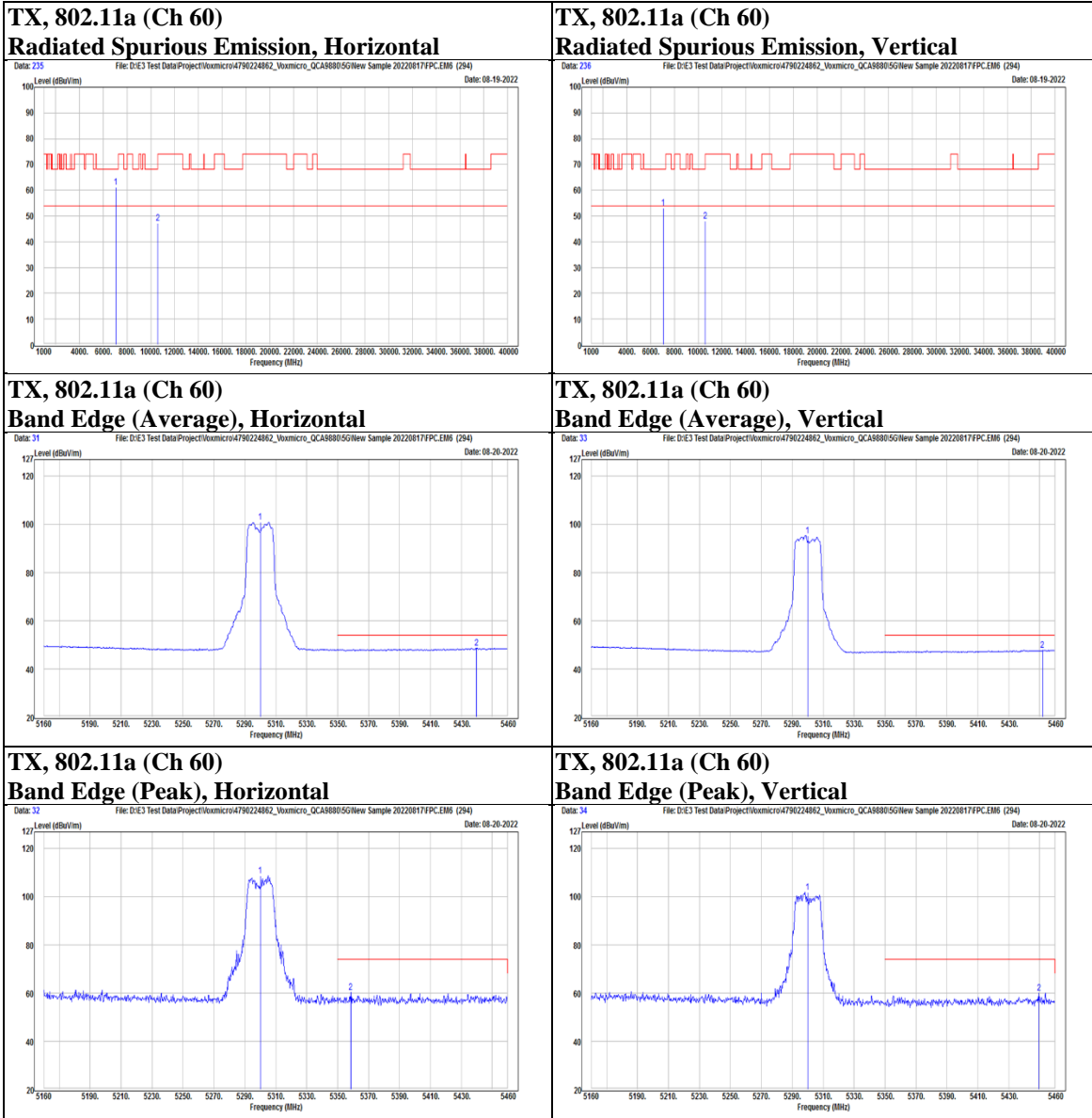
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Mode	802.11a	Channel	64
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5320	90.5	18.86	109.36	N/A	N/A	PK
	@	5320	82.23	18.86	101.09	N/A	N/A	AVG
		5444.4	40.16	19.5	59.66	74	-14.34	PK
		5454.3	29.25	19.54	48.79	54	-5.21	AVG
		7093.3	50.17	9.53	59.7	68.2	-8.5	PK
	*	10640	29.59	18.03	47.62	74	-26.38	PK
Vertical	@	5320	84.6	18.86	103.46	N/A	N/A	PK
	@	5320	76.73	18.86	95.59	N/A	N/A	AVG
		5456.4	39.7	19.55	59.25	74	-14.75	PK
		5458.2	28.35	19.56	47.91	54	-6.09	AVG
		7093.3	40.33	9.53	49.86	68.2	-18.34	PK
	*	10640	29.6	18.03	47.63	74	-26.37	PK

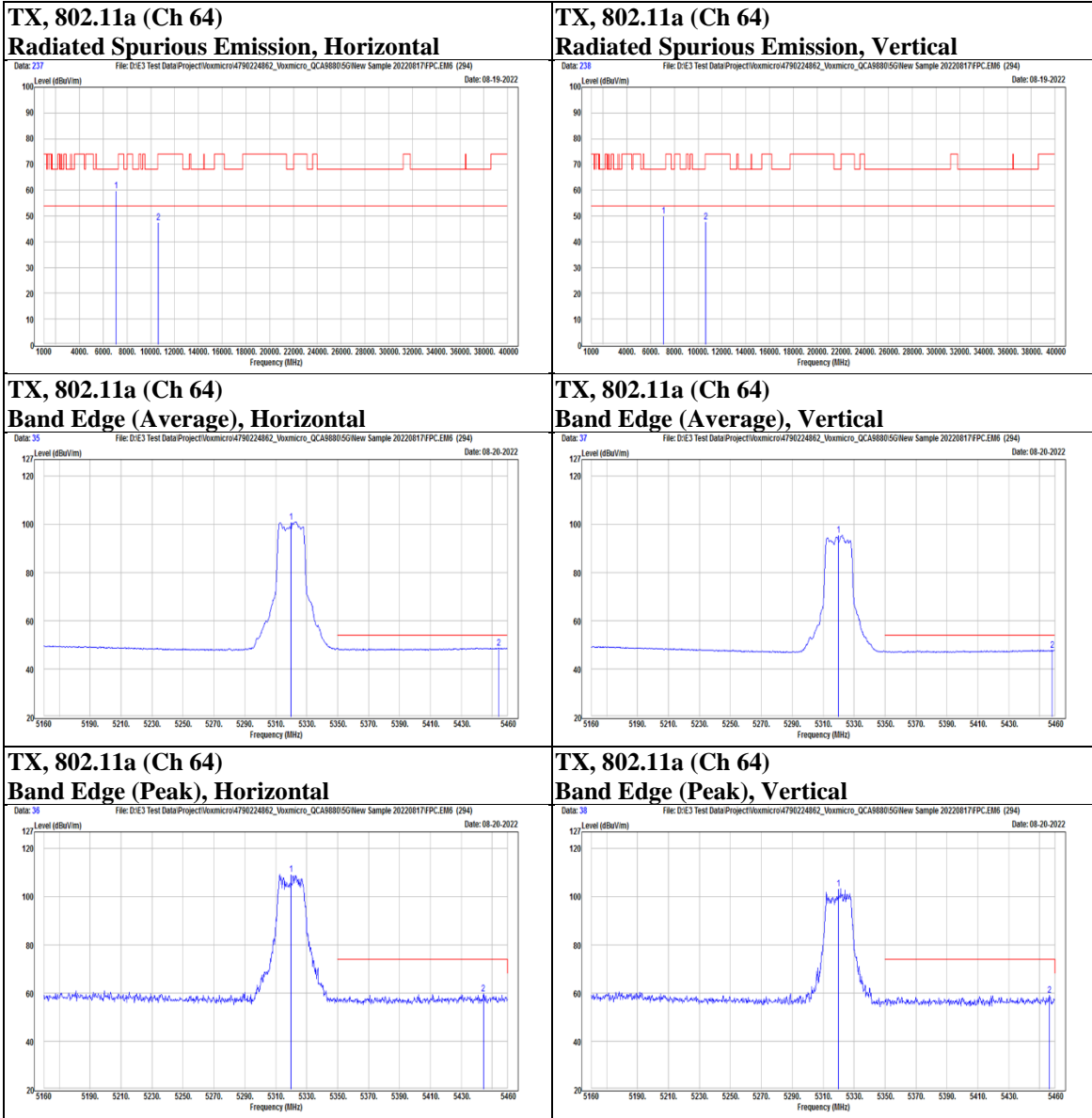
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Mode	802.11a	Channel	100
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5439.9	29.2	19.47	48.67	54	-5.33	AVG
		5459.85	39.49	19.57	59.06	74	-14.94	PK
		5465.1	39.93	19.59	59.52	68.2	-8.68	PK
	@	5500	88.46	19.77	108.23	N/A	N/A	PK
	@	5500	81.68	19.77	101.45	N/A	N/A	AVG
		7333.3	41.28	10.32	51.6	74	-22.4	PK
	*	11000	29.93	18.41	48.34	74	-25.66	PK
Vertical		5417.5	39.27	19.35	58.62	74	-15.38	PK
		5458.1	28.26	19.56	47.82	54	-6.18	AVG
		5465.1	39.14	19.59	58.73	68.2	-9.47	PK
	@	5500	84.94	19.77	104.71	N/A	N/A	PK
	@	5500	78.22	19.77	97.99	N/A	N/A	AVG
		7333.3	33.66	10.32	43.98	74	-30.02	PK
	*	11000	29.53	18.41	47.94	74	-26.06	PK

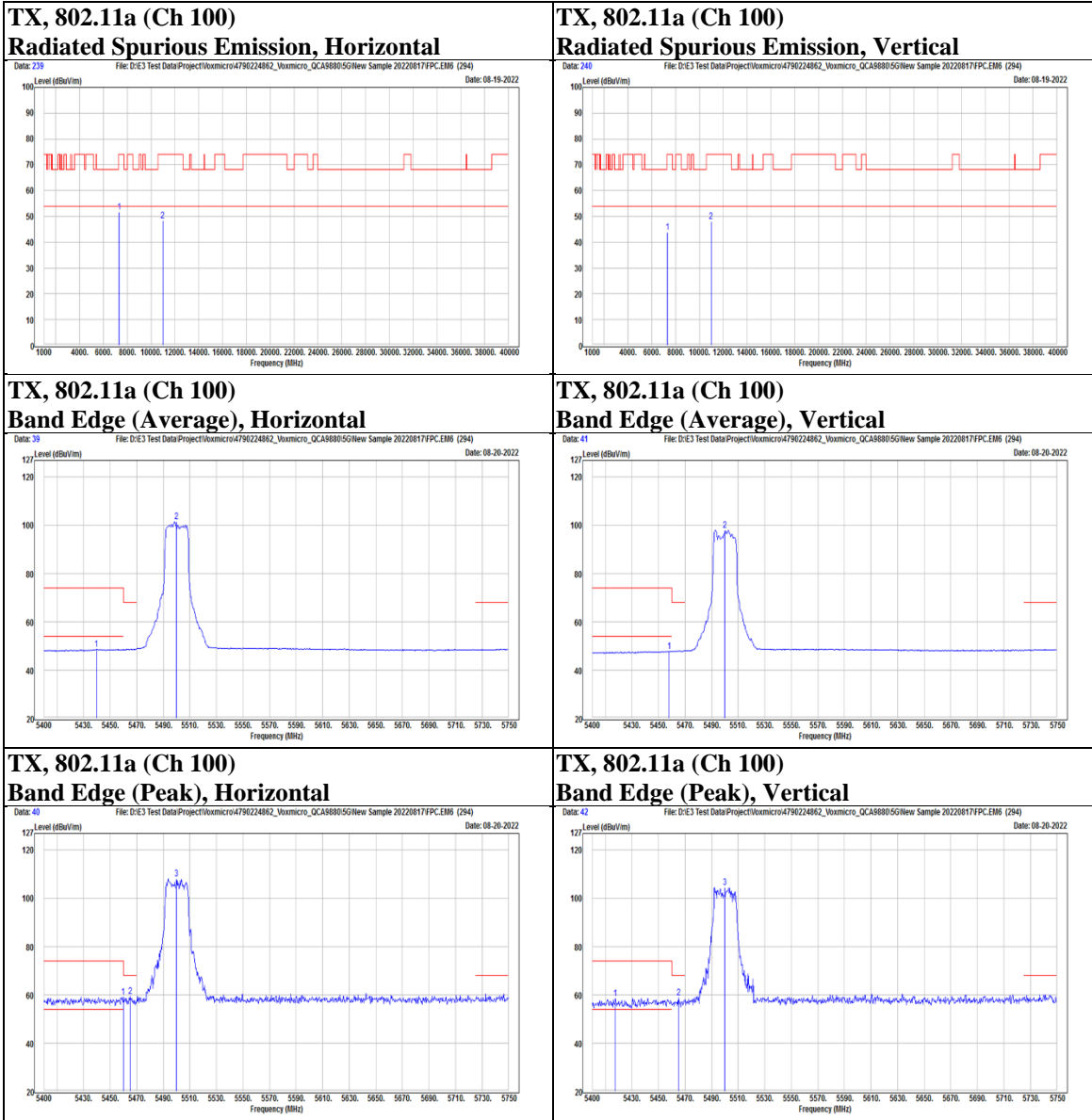
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Mode	802.11a	Channel	116
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5439.9	42.01	19.47	61.48	74	-12.52	PK
		5439.9	32.94	19.47	52.41	54	-1.59	AVG
		5466.5	40.66	19.61	60.27	68.2	-7.93	PK
	@	5580	90.38	19.76	110.14	N/A	N/A	PK
	@	5580	82.48	19.76	102.24	N/A	N/A	AVG
		5747.9	40.52	20.17	60.69	68.2	-7.51	PK
		7440	38.13	10.73	48.86	74	-25.14	PK
	*	11160	30.91	18.47	49.38	74	-24.62	PK
Vertical		5440.25	30.47	19.47	49.94	54	-4.06	AVG
		5444.45	39.4	19.5	58.9	74	-15.1	PK
		5467.55	38.66	19.61	58.27	68.2	-9.93	PK
	@	5580	81.5	19.76	101.26	N/A	N/A	PK
	@	5580	74.16	19.76	93.92	N/A	N/A	AVG
		5748.95	39.96	20.19	60.15	68.2	-8.05	PK
		7440	34.72	10.73	45.45	74	-28.55	PK
	*	11160	29.88	18.47	48.35	74	-25.65	PK

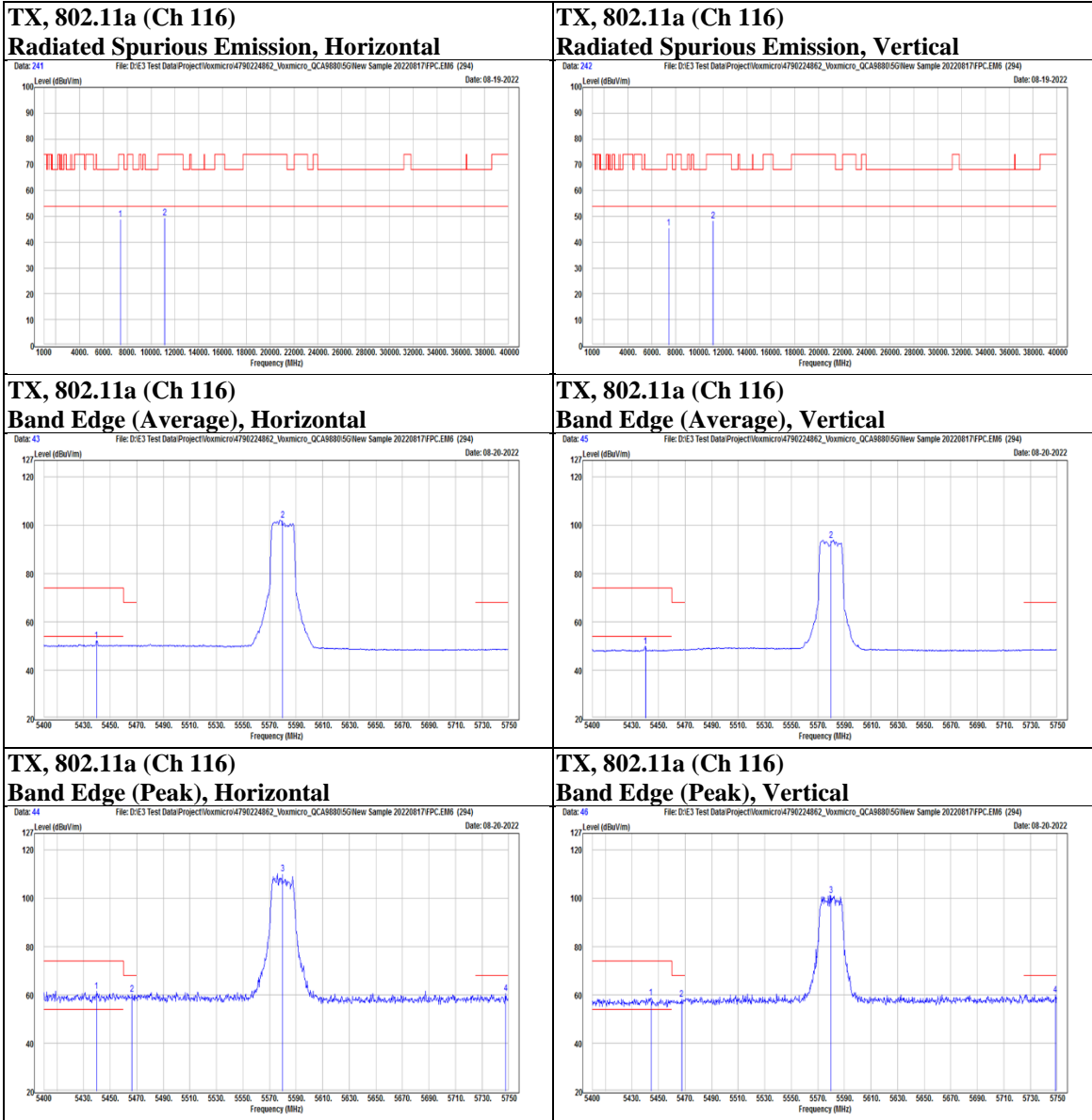
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Mode	802.11a	Channel	140
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5439.9	34.1	19.47	53.57	54	-0.43	AVG
	@	5700	88.93	19.73	108.66	N/A	N/A	PK
	@	5700	81.91	19.73	101.64	N/A	N/A	AVG
		5747.55	40.39	20.17	60.56	68.2	-7.64	PK
		7600	40.06	10.89	50.95	74	-23.05	PK
	*	11400	30.47	18.85	49.32	74	-24.68	PK
Vertical		5439.9	30.78	19.47	50.25	54	-3.75	AVG
	@	5700	84.49	19.73	104.22	N/A	N/A	PK
	@	5700	75.27	19.73	95	N/A	N/A	AVG
		5744.75	40.65	20.15	60.8	68.2	-7.4	PK
		7600	33.61	10.89	44.5	74	-29.5	PK
	*	11400	29.9	18.85	48.75	74	-25.25	PK

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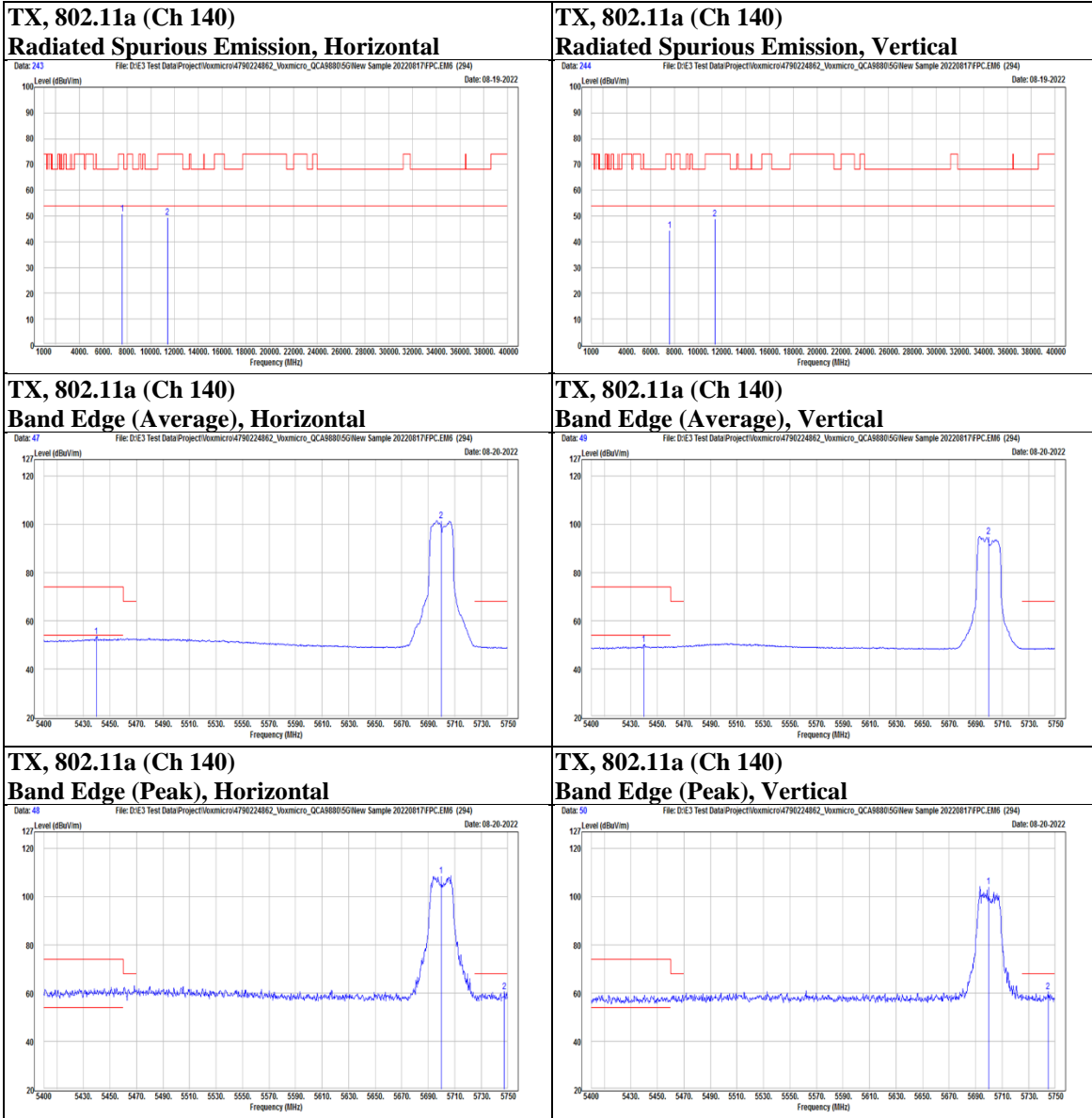
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