

Mode	802.11g	Channel	1
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2310.38	41.74	15.84	57.58	74	-16.42	PK
		2316.84	31.1	15.85	46.95	54	-7.05	AVG
	@	2412	86.82	15.83	102.65	N/A	N/A	PK
	@	2412	79.36	15.83	95.19	N/A	N/A	AVG
	*	4824	43.74	2.35	46.09	74	-27.91	PK
Vertical		2389.42	36.72	15.82	52.54	54	-1.46	AVG
		2389.61	48.59	15.82	64.41	74	-9.59	PK
	@	2412	97.04	15.83	112.87	N/A	N/A	PK
	@	2412	89.46	15.83	105.29	N/A	N/A	AVG
	*	4824	45.52	2.35	47.87	74	-26.13	PK

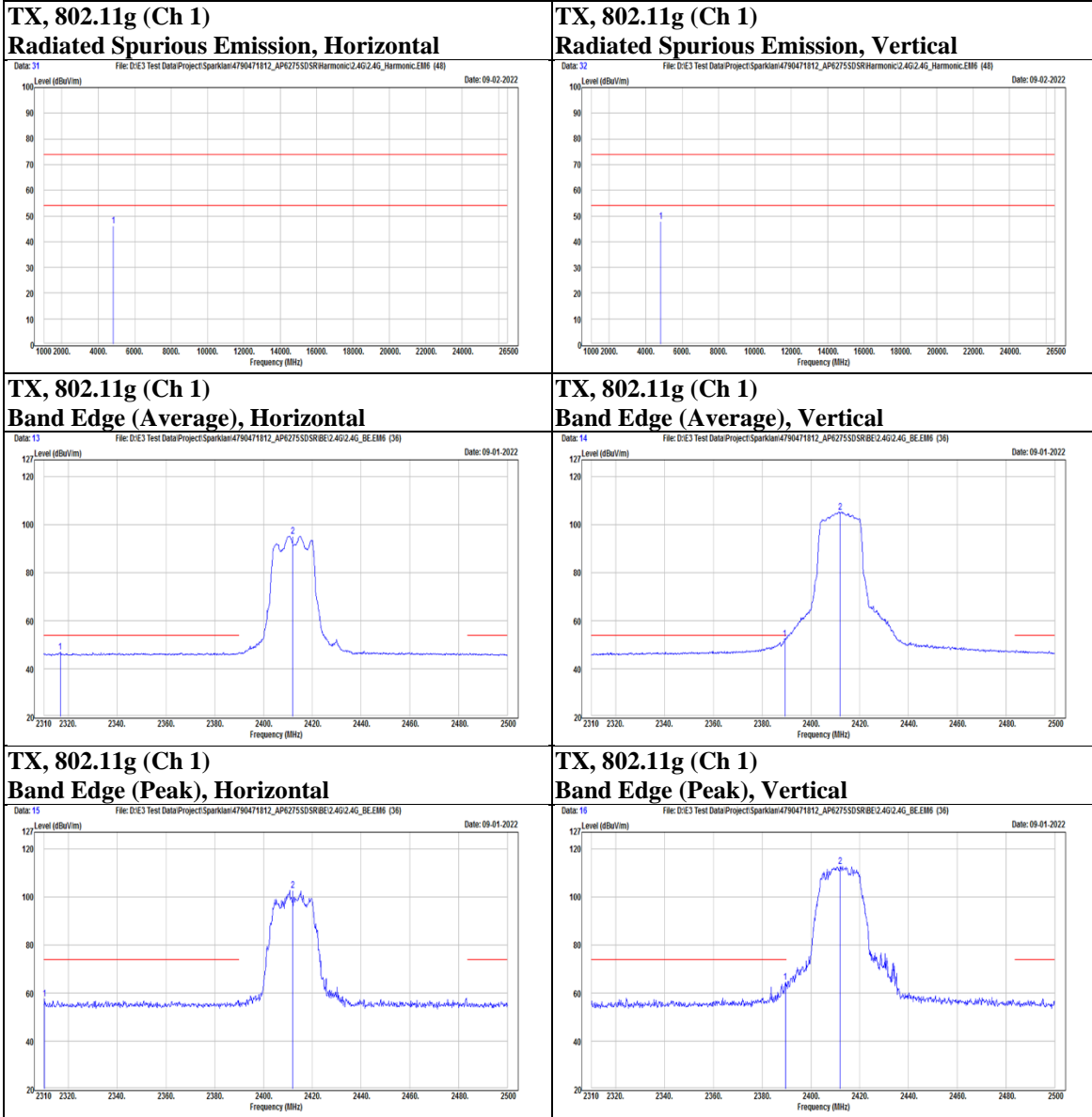
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Mode	802.11g	Channel	2
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2317.22	41.19	15.85	57.04	74	-16.96	PK
		2389.99	30.97	15.82	46.79	54	-7.21	AVG
	@	2417	87.39	15.84	103.23	N/A	N/A	PK
	@	2417	79.05	15.84	94.89	N/A	N/A	AVG
	*	4834	45.88	2.36	48.24	74	-25.76	PK
		7251	48.16	10.4	58.56	74	-15.44	PK
		7251	36.44	10.4	46.84	54	-7.16	AVG
Vertical		2389.42	36.2	15.82	52.02	54	-1.98	AVG
		2389.8	49.12	15.82	64.94	74	-9.06	PK
	@	2417	99.19	15.84	115.03	N/A	N/A	PK
	@	2417	92.31	15.84	108.15	N/A	N/A	AVG
	*	4834	47.73	2.36	50.09	74	-23.91	PK
		7251	52.41	10.4	62.81	74	-11.19	PK
		7251	37.15	10.4	47.55	54	-6.45	AVG

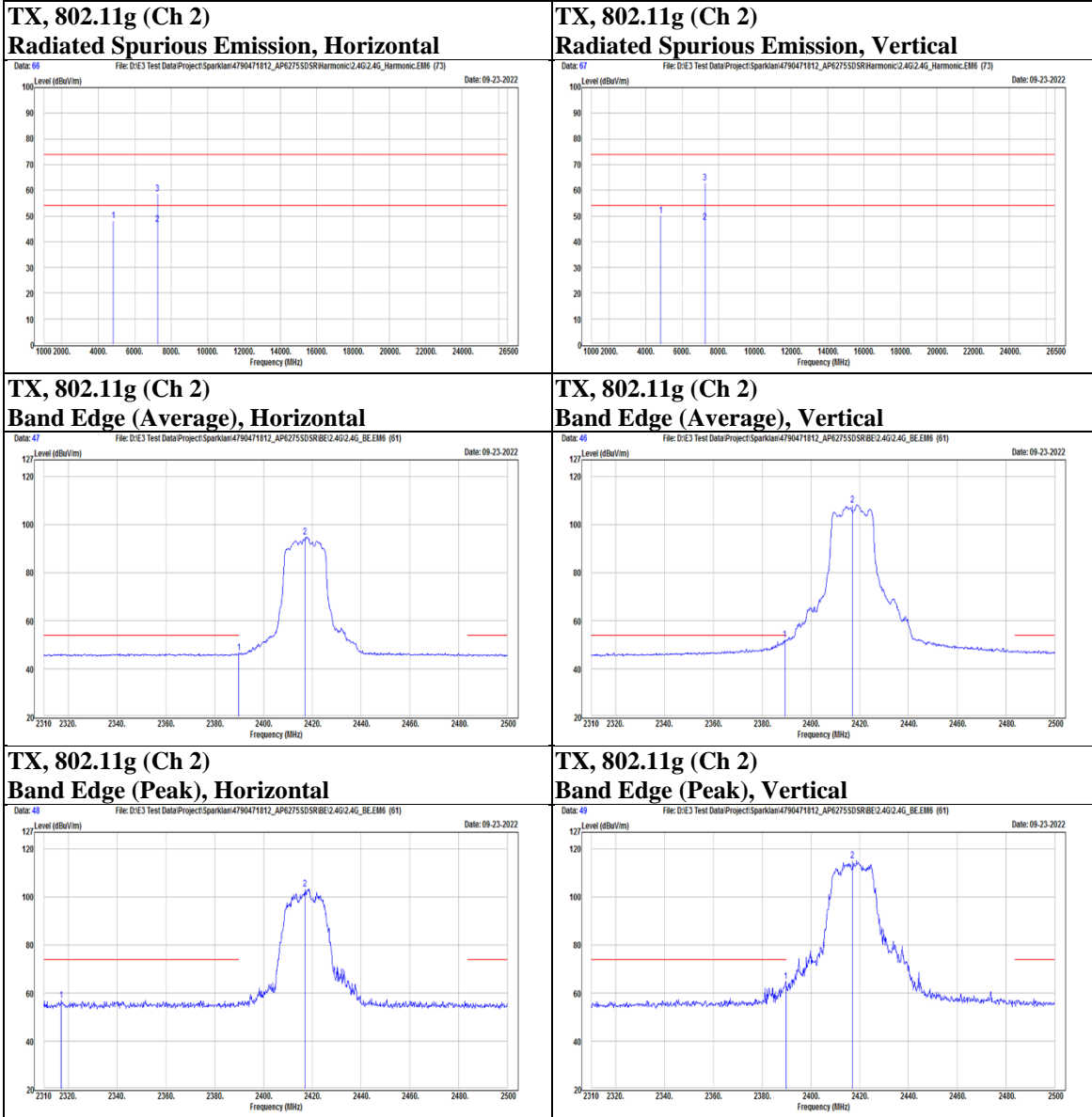
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Mode	802.11g	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2316.65	31.11	15.85	46.96	54	-7.04	AVG
		2329.38	41.84	15.88	57.72	74	-16.28	PK
	@	2437	93.96	15.92	109.88	N/A	N/A	PK
	@	2437	86.14	15.92	102.06	N/A	N/A	AVG
		2484.42	30.78	15.68	46.46	54	-7.54	AVG
		2486.7	42.07	15.66	57.73	74	-16.27	PK
	*	4874	42.13	2.4	44.53	74	-29.47	PK
Vertical		2385.05	46.85	15.83	62.68	74	-11.32	PK
		2388.47	35.51	15.82	51.33	54	-2.67	AVG
	@	2437	102.22	15.92	118.14	N/A	N/A	PK
	@	2437	95.08	15.92	111	N/A	N/A	AVG
		2484.04	47.23	15.68	62.91	74	-11.09	PK
		2484.23	36.22	15.68	51.9	54	-2.1	AVG
	*	4874	48.4	2.4	50.8	74	-23.2	PK

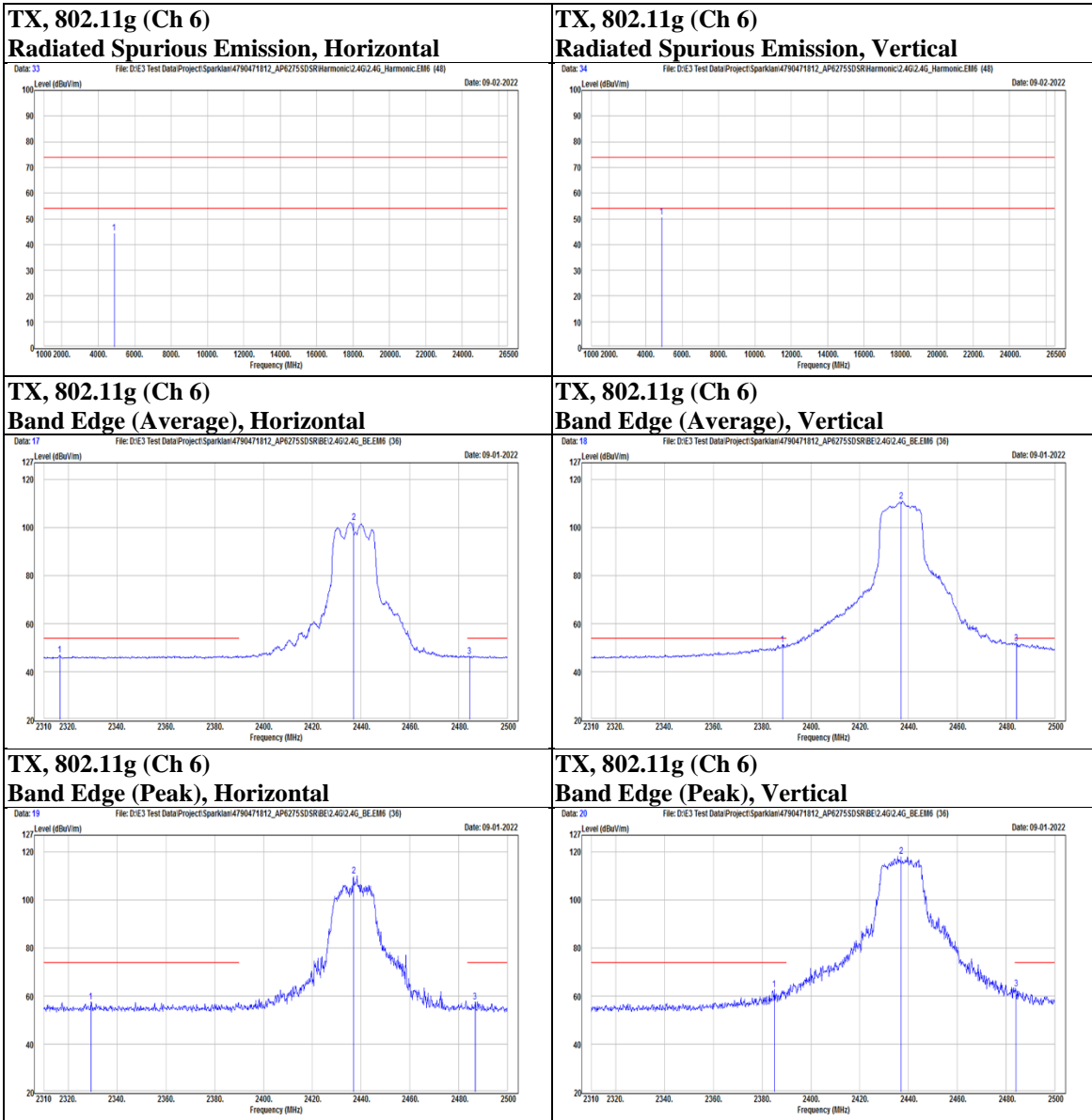
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Mode	802.11g	Channel	10
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2457	88.33	15.92	104.25	N/A	N/A	PK
	@	2457	80.97	15.92	96.89	N/A	N/A	AVG
		2483.66	30.85	15.68	46.53	54	-7.47	AVG
		2485.18	40.17	15.67	55.84	74	-18.16	PK
	*	4914	40.09	2.42	42.51	74	-31.49	PK
		7371	49.7	10.41	60.11	74	-13.89	PK
		7371	36.85	10.41	47.26	54	-6.74	AVG
Vertical	@	2457	100.34	15.92	116.26	N/A	N/A	PK
	@	2457	93.48	15.92	109.4	N/A	N/A	AVG
		2484.23	38.18	15.68	53.86	54	-0.14	AVG
		2484.42	50.99	15.68	66.67	74	-7.33	PK
	*	4914	47.36	2.42	49.78	74	-24.22	PK
		7371	49.73	10.41	60.14	74	-13.86	PK
		7371	38.45	10.41	48.86	54	-5.14	AVG

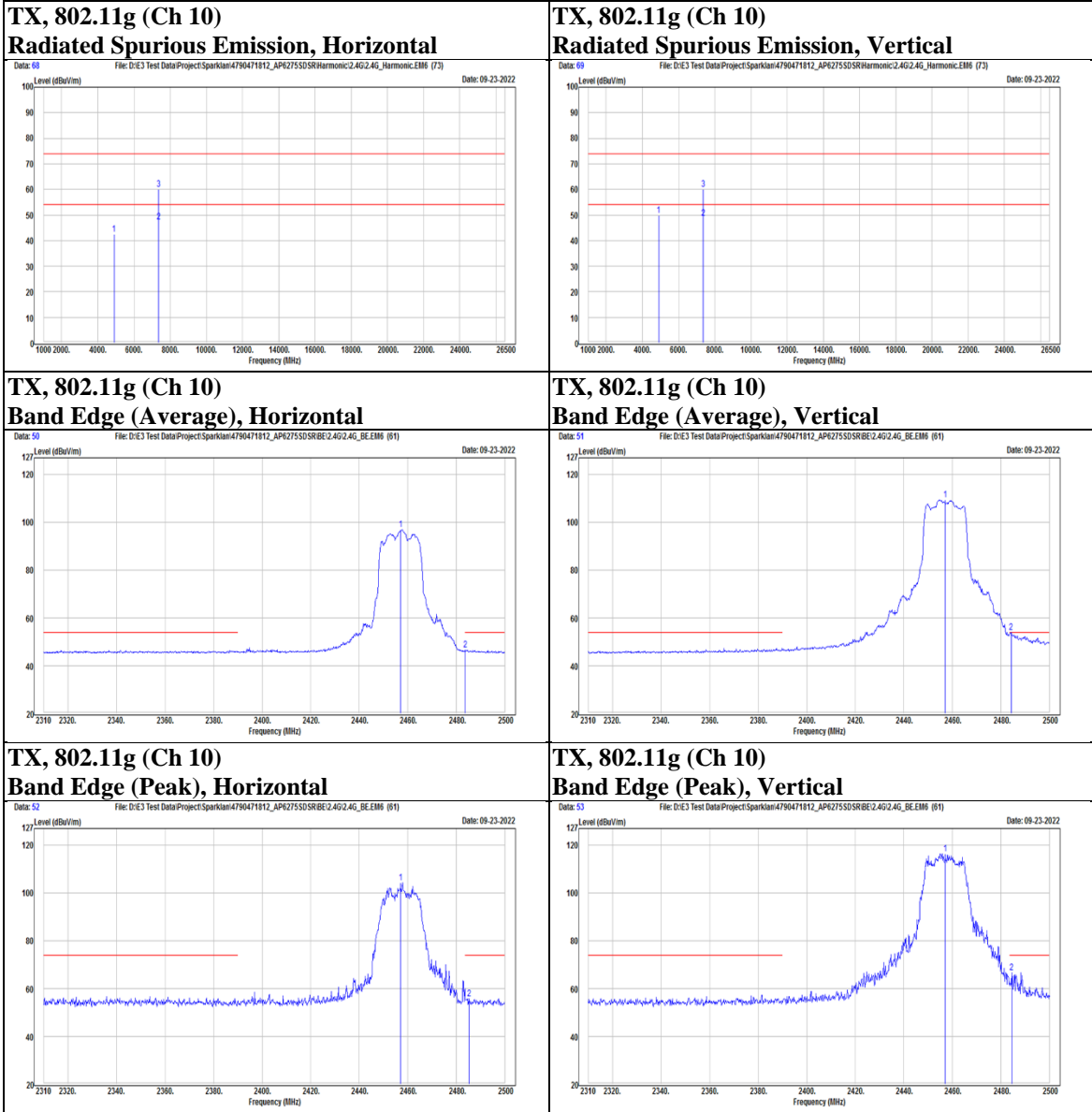
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Mode	802.11g	Channel	11
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2462	84.92	15.87	100.79	N/A	N/A	PK
	@	2462	78.69	15.87	94.56	N/A	N/A	AVG
		2484.23	31.68	15.68	47.36	54	-6.64	AVG
		2492.97	40.85	15.61	56.46	74	-17.54	PK
	*	4924	37.02	2.4	39.42	74	-34.58	PK
Vertical	@	2462	97.14	15.87	113.01	N/A	N/A	PK
	@	2462	89.44	15.87	105.31	N/A	N/A	AVG
		2483.66	52.33	15.68	68.01	74	-5.99	PK
		2484.23	37.21	15.68	52.89	54	-1.11	AVG
	*	4924	43.12	2.4	45.52	74	-28.48	PK

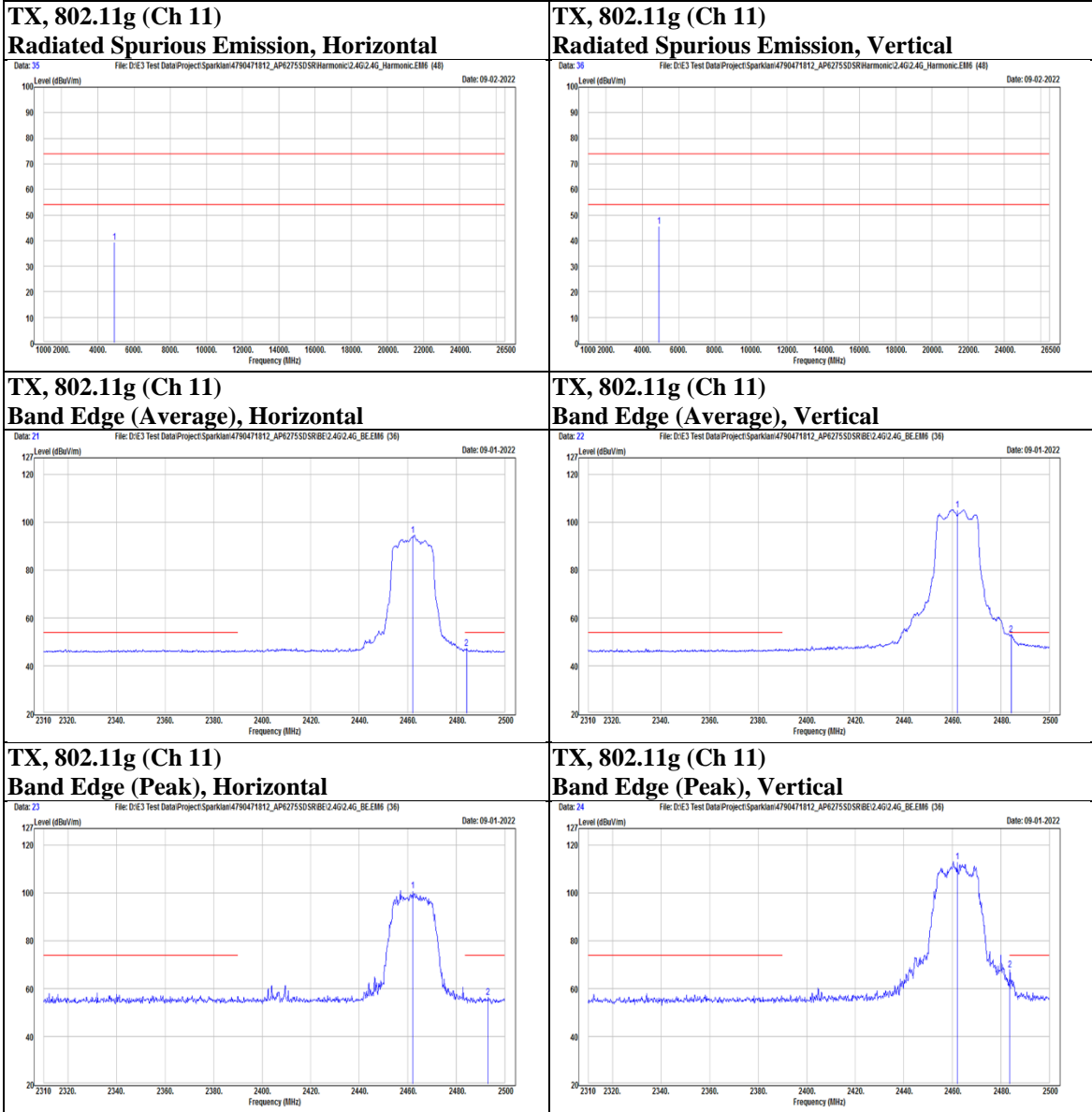
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Mode	802.11ax(HE20)	Channel	1
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2346.67	40.93	15.9	56.83	74	-17.17	PK
		2389.99	31.23	15.82	47.05	54	-6.95	AVG
	@	2412	85.24	15.83	101.07	N/A	N/A	PK
	@	2412	78.48	15.83	94.31	N/A	N/A	AVG
	*	4824	42.34	2.35	44.69	74	-29.31	PK
Vertical		2388.66	51.76	15.82	67.58	74	-6.42	PK
		2389.99	37.41	15.82	53.23	54	-0.77	AVG
	@	2412	97.86	15.83	113.69	N/A	N/A	PK
	@	2412	88.22	15.83	104.05	N/A	N/A	AVG
	*	4824	46.02	2.35	48.37	74	-25.63	PK

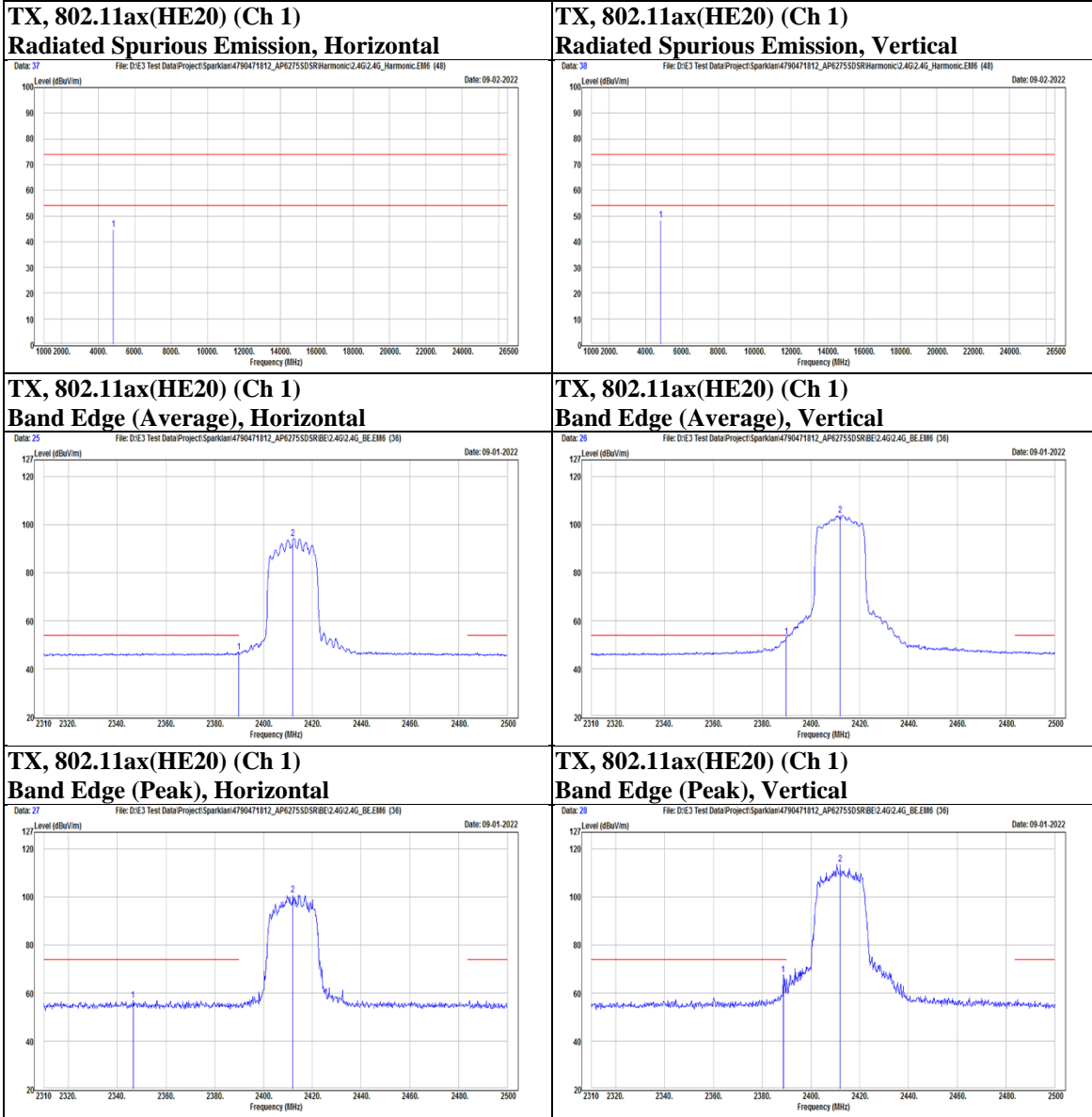
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Mode	802.11ax(HE20)	Channel	2
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2350.09	41.91	15.9	57.81	74	-16.19	PK
		2375.55	30.48	15.85	46.33	54	-7.67	AVG
	@	2417	86.45	15.84	102.29	N/A	N/A	PK
	@	2417	78.42	15.84	94.26	N/A	N/A	AVG
	*	4834	42.41	2.36	44.77	74	-29.23	PK
	*	7251	43.36	10.4	53.76	74	-20.24	PK
Vertical		2384.1	45.94	15.83	61.77	74	-12.23	PK
		2389.04	35.64	15.81	51.45	54	-2.55	AVG
	@	2417	100.56	15.84	116.4	N/A	N/A	PK
	@	2417	91.42	15.84	107.26	N/A	N/A	AVG
	*	4834	45.27	2.36	47.63	74	-26.37	PK
		7251	45.89	10.4	56.29	74	-17.71	PK
		7251	35.36	10.4	45.76	54	-8.24	AVG

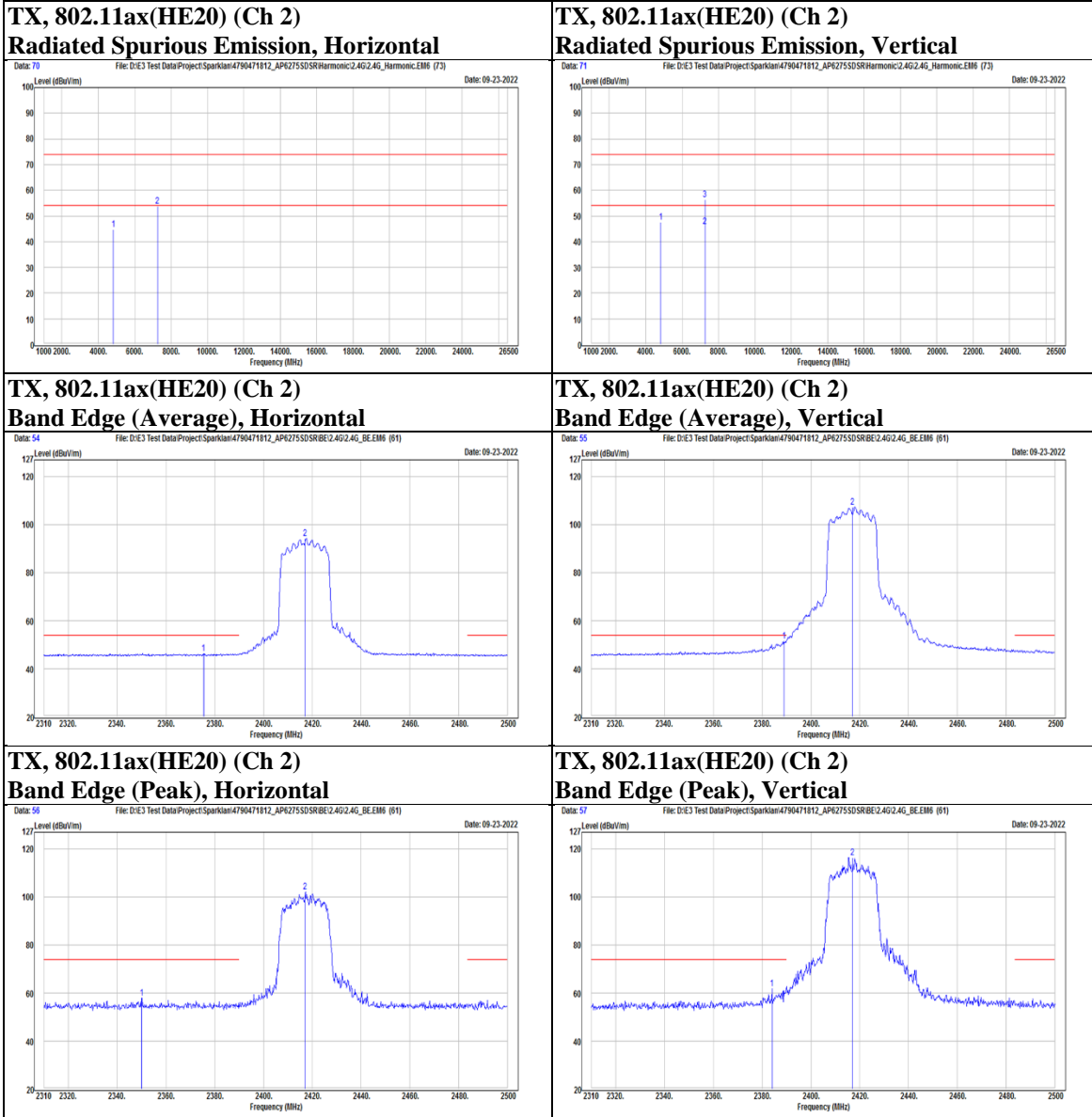
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Mode	802.11ax(HE20)	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2357.69	30.93	15.89	46.82	54	-7.18	AVG
		2373.84	41.46	15.85	57.31	74	-16.69	PK
	@	2437	92.48	15.92	108.4	N/A	N/A	PK
	@	2437	85.97	15.92	101.89	N/A	N/A	AVG
		2487.65	31.39	15.65	47.04	54	-6.96	AVG
		2492.78	43.37	15.61	58.98	74	-15.02	PK
	*	4874	41.95	2.4	44.35	74	-29.65	PK
Vertical		2388.47	36.52	15.82	52.34	54	-1.66	AVG
		2389.61	49.09	15.82	64.91	74	-9.09	PK
	@	2437	102.99	15.92	118.91	N/A	N/A	PK
	@	2437	94.62	15.92	110.54	N/A	N/A	AVG
		2483.66	36.82	15.68	52.5	54	-1.5	AVG
		2483.85	48.96	15.68	64.64	74	-9.36	PK
	*	4874	47.68	2.4	50.08	74	-23.92	PK

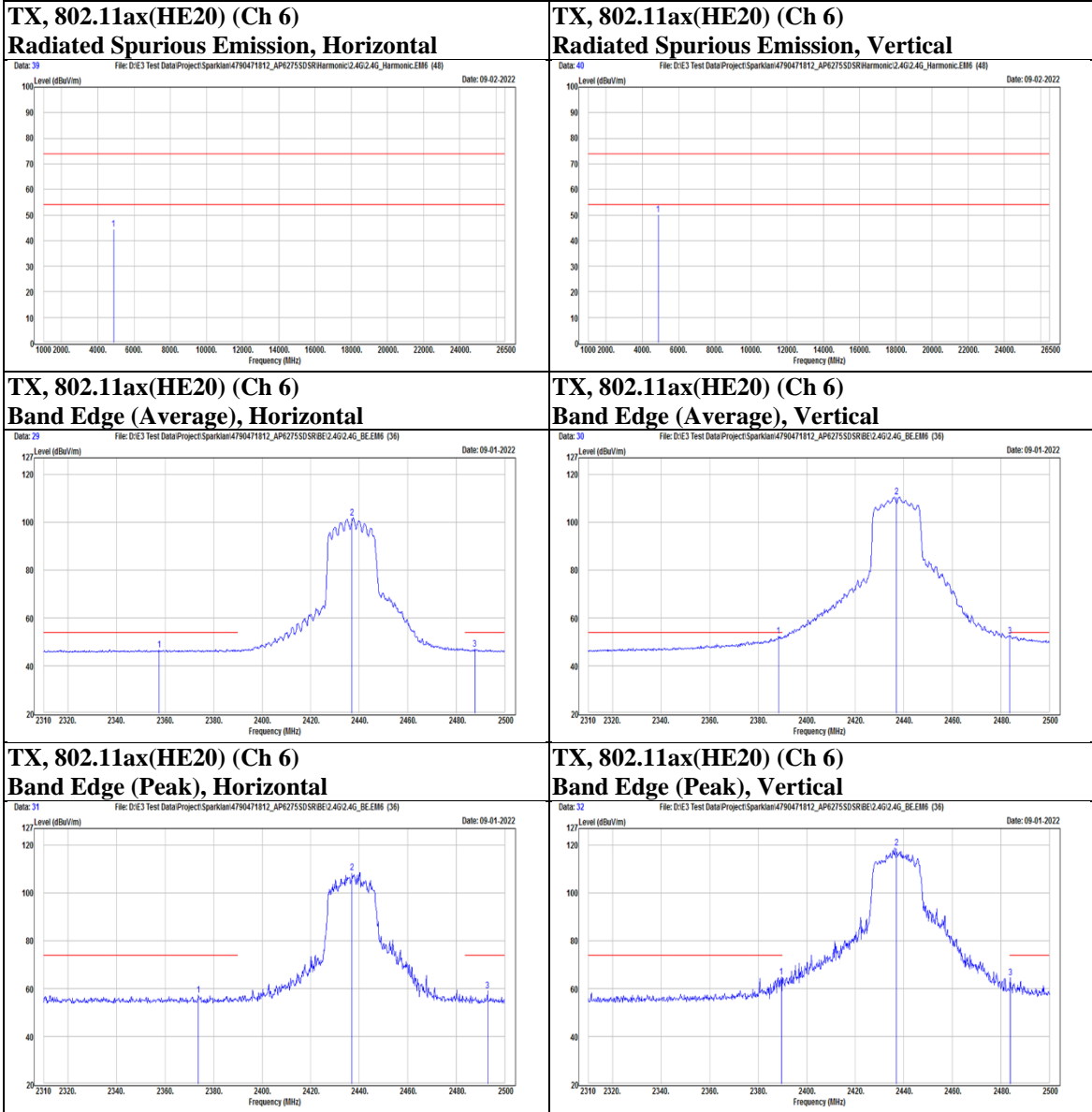
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Mode	802.11ax(HE20)	Channel	10
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2457	86.79	15.92	102.71	N/A	N/A	PK
	@	2457	78.35	15.92	94.27	N/A	N/A	AVG
		2485.18	30.66	15.67	46.33	54	-7.67	AVG
		2493.92	40.7	15.6	56.3	74	-17.7	PK
	*	4914	39.36	2.42	41.78	74	-32.22	PK
		7371	49.5	10.41	59.91	74	-14.09	PK
		7371	32.7	10.41	43.11	54	-10.89	AVG
Vertical	@	2457	98.65	15.92	114.57	N/A	N/A	PK
	@	2457	91.61	15.92	107.53	N/A	N/A	AVG
		2483.66	37.39	15.68	53.07	54	-0.93	AVG
		2484.23	45.53	15.68	61.21	74	-12.79	PK
	*	4914	45.47	2.42	47.89	74	-26.11	PK
		7371	44.46	10.41	54.87	74	-19.13	PK
		7371	32.82	10.41	43.23	54	-10.77	AVG

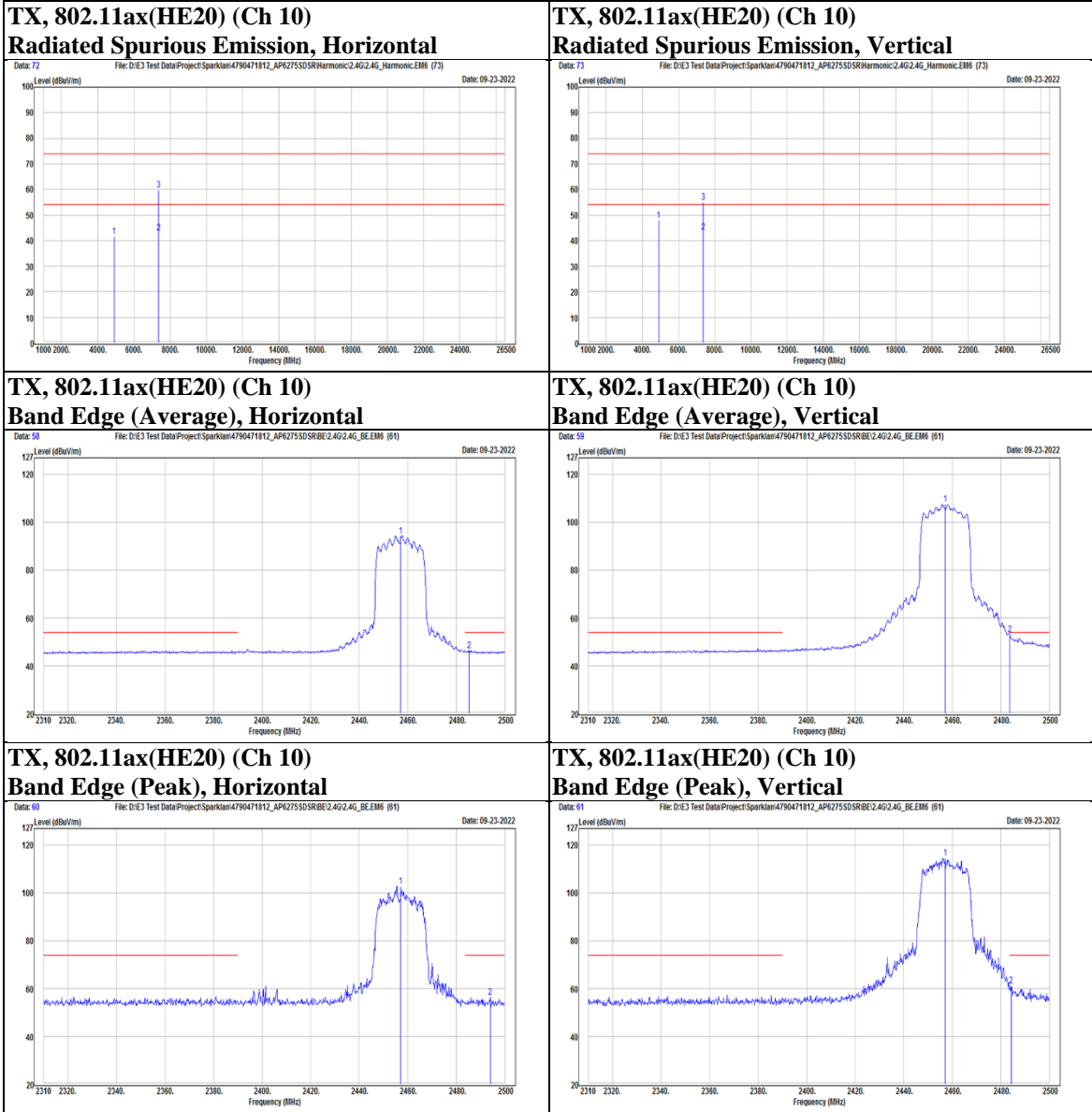
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Mode	802.11ax(HE20)	Channel	11
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2462	82.98	15.87	98.85	N/A	N/A	PK
	@	2462	75.59	15.87	91.46	N/A	N/A	AVG
		2484.42	30.71	15.68	46.39	54	-7.61	AVG
		2486.13	40.53	15.67	56.2	74	-17.8	PK
	*	4924	36.33	2.4	38.73	74	-35.27	PK
Vertical	@	2462	94.27	15.87	110.14	N/A	N/A	PK
	@	2462	87.08	15.87	102.95	N/A	N/A	AVG
		2483.66	36.42	15.68	52.1	54	-1.9	AVG
		2485.37	44.76	15.67	60.43	74	-13.57	PK
	*	4924	40.04	2.4	42.44	74	-31.56	PK

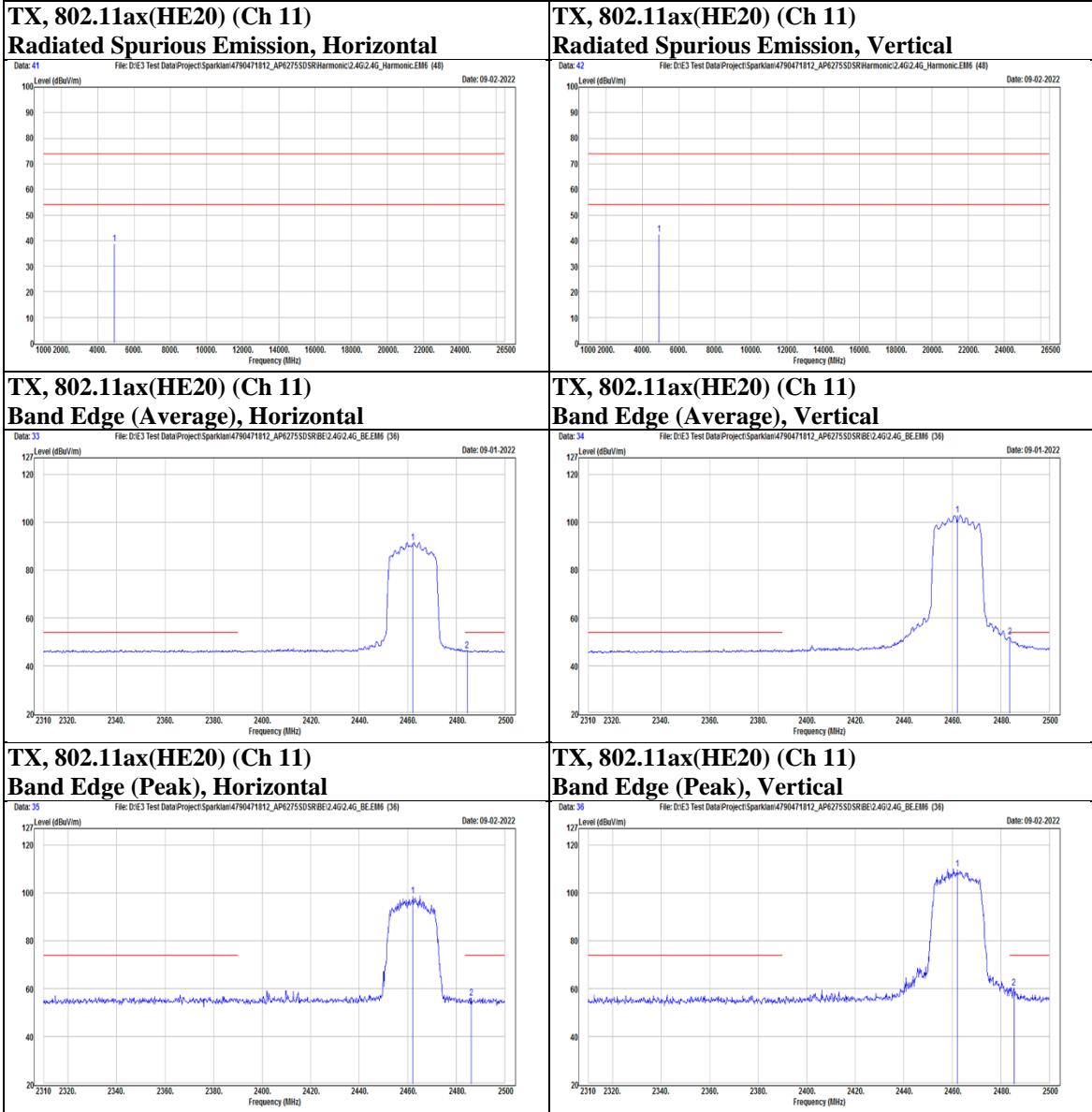
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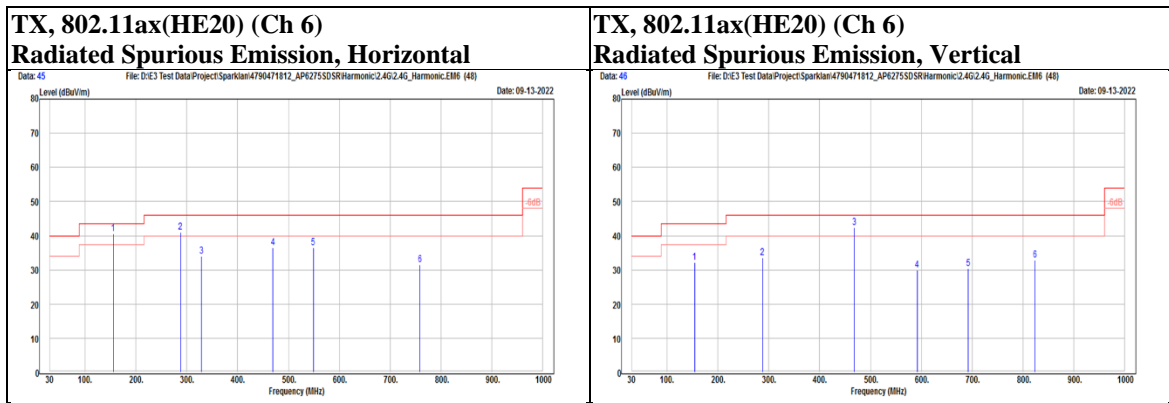
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Below 1 GHz

Mode	802.11ax(HE20)	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		155.13	52.04	-11.46	40.58	43.5	-2.92	PK
		288.02	52.16	-11.07	41.09	46	-4.91	PK
		328.76	43.88	-9.86	34.02	46	-11.98	PK
		469.41	42.28	-5.85	36.43	46	-9.57	PK
		548.95	41.07	-4.6	36.47	46	-9.53	PK
		758.47	31.31	0.22	31.53	46	-14.47	PK
Vertical		154.16	43.82	-11.54	32.28	43.5	-11.22	PK
		288.02	44.71	-11.07	33.64	46	-12.36	PK
		468.44	48.2	-5.88	42.32	46	-3.68	PK
		591.63	32.84	-3.02	29.82	46	-16.18	PK
		692.51	31.89	-1.49	30.4	46	-15.6	PK
		823.46	32.15	0.69	32.84	46	-13.16	PK



9 kHz ~ 30 MHz Data:

For 9 kHz to 30 MHz radiated emission have performed all modes of operation were investigated. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

No non-compliance noted:

KDB 414788 D01 OATS and Chamber Correlation Justification

- Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

- OATs and chamber correlation testing had been performed and chamber measured test results is the worst case test result.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

9.6. AC Power Line Conducted Emission

Requirements

Frequency (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.
2. All modes of operation were investigated (includes all external accessories) and the worst-case emissions are reported, the other emission levels were low against the limit.
3. Test data of Result value (dB μ V) = Reading value (dB μ V) + Correction Factor (dB).
4. Test data of Margin(dB) = Result value (dB μ V) - Limit value (dB μ V).
5. Test data of Correction Factor (dB) = Insertion loss(dB) + Cable loss(dB).

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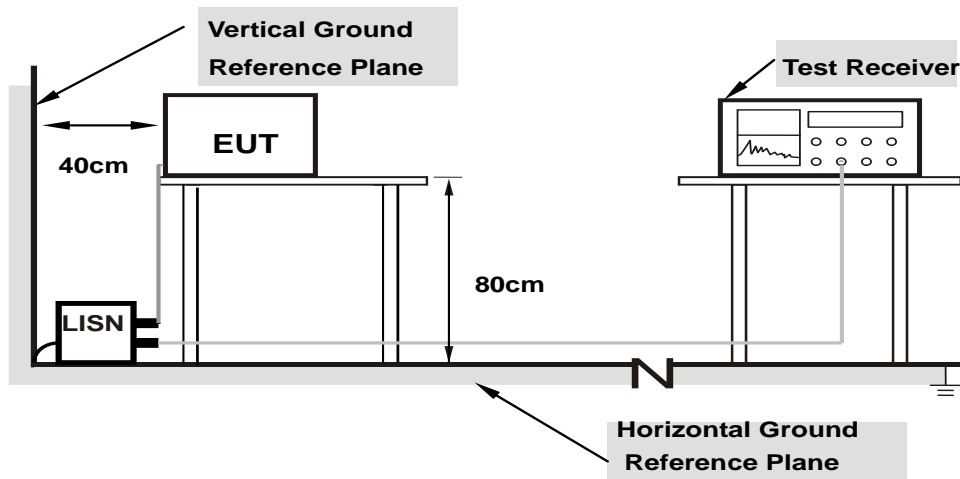
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Test Setup

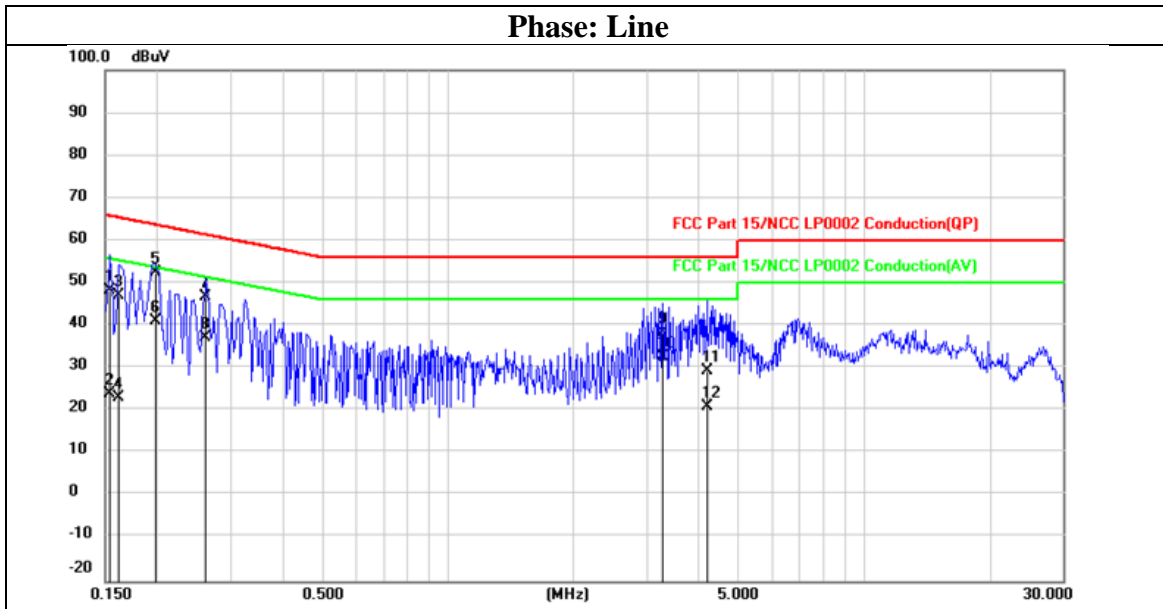


Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the Setup Configurations.

Test Data

Mode	802.11ax(HE20)_TX2437	Channel	6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1539	28.65	19.53	48.18	65.79	-17.61	QP
2	0.1539	4.34	19.53	23.87	55.79	-31.92	AVG
3	0.1620	27.54	19.53	47.07	65.36	-18.29	QP
4	0.1620	3.46	19.53	22.99	55.36	-32.37	AVG
5	0.1980	32.92	19.53	52.45	63.69	-11.24	QP
6	0.1980	21.66	19.53	41.19	53.69	-12.50	AVG
7	0.2620	27.30	19.53	46.83	61.37	-14.54	QP
8	0.2620	17.60	19.53	37.13	51.37	-14.24	AVG
9	3.2820	18.78	19.61	38.39	56.00	-17.61	QP
10	3.2820	12.90	19.61	32.51	46.00	-13.49	AVG
11	4.1940	9.59	19.63	29.22	56.00	-26.78	QP
12	4.1940	1.39	19.63	21.02	46.00	-24.98	AVG

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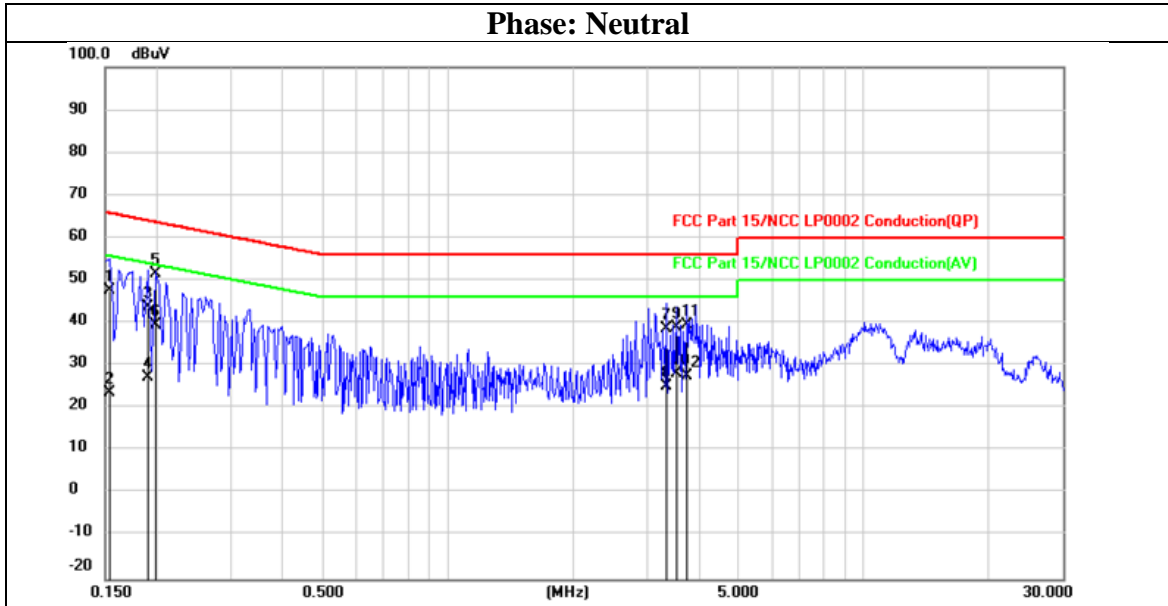
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Mode	802.11ax(HE20)_TX2437	Channel	6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1539	27.97	19.54	47.51	65.79	-18.28	QP
2	0.1539	4.03	19.54	23.57	55.79	-32.22	AVG
3	0.1900	24.28	19.54	43.82	64.04	-20.22	QP
4	0.1900	7.62	19.54	27.16	54.04	-26.88	AVG
5	0.1980	32.00	19.54	51.54	63.69	-12.15	QP
6	0.1980	19.87	19.54	39.41	53.69	-14.28	AVG
7	3.3540	19.18	19.61	38.79	56.00	-17.21	QP
8	3.3540	5.47	19.61	25.08	46.00	-20.92	AVG
9	3.5540	19.39	19.63	39.02	56.00	-16.98	QP
10	3.5540	8.44	19.63	28.07	46.00	-17.93	AVG
11	3.7540	19.80	19.63	39.43	56.00	-16.57	QP
12	3.7540	7.93	19.63	27.56	46.00	-18.44	AVG

END OF REPORT

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