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Mode	802.11b	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	95.59	6.12	101.71	N/A	N/A	PK
	@	2462	89.34	6.12	95.46	N/A	N/A	AVG
		2485.56	32.98	6.1	39.08	54	-14.92	AVG
		2490.88	42.17	6.1	48.27	74	-25.73	PK
	*	4924	34.41	2.61	37.02	74	-36.98	PK
Vertical	@	2462	99.01	6.12	105.13	N/A	N/A	PK
	@	2462	93.59	6.12	99.71	N/A	N/A	AVG
		2484.42	33.5	6.1	39.6	54	-14.4	AVG
		2490.31	43.02	6.1	49.12	74	-24.88	PK
	*	4924	35.18	2.61	37.79	74	-36.21	PK

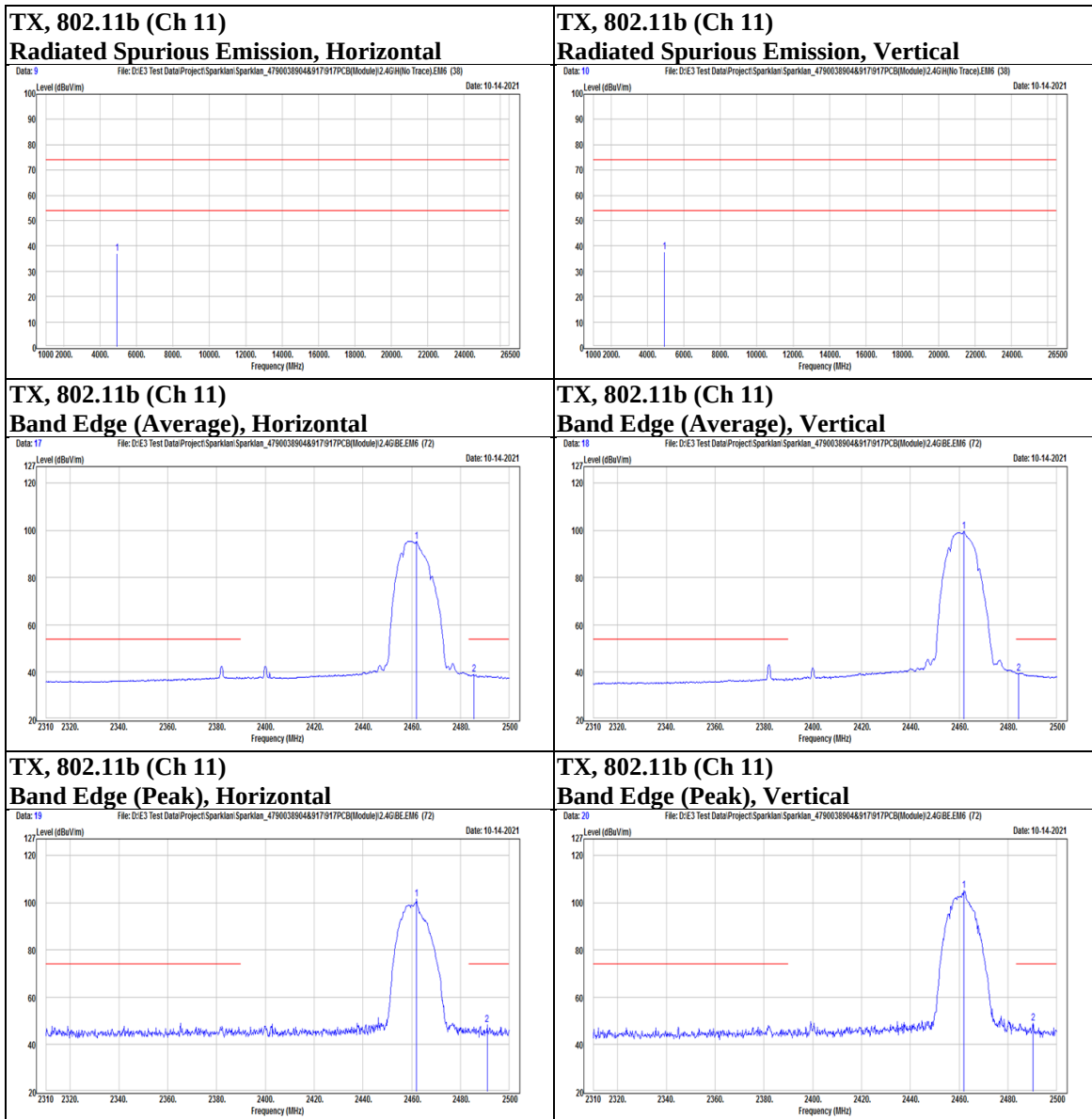
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Mode	802.11g	Channel	1
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2375.74	41.93	6.07	48	74	-26	PK
		2389.61	32.14	6.1	38.24	54	-15.76	AVG
	@	2412	95.1	6.13	101.23	N/A	N/A	PK
	@	2412	87.92	6.13	94.05	N/A	N/A	AVG
	*	4824	35.89	2.55	38.44	74	-35.56	PK
Vertical		2350.47	41.2	6.03	47.23	74	-26.77	PK
		2389.99	32.05	6.1	38.15	54	-15.85	AVG
	@	2412	94.62	6.13	100.75	N/A	N/A	PK
	@	2412	89.59	6.13	95.72	N/A	N/A	AVG
	*	4824	35.16	2.55	37.71	74	-36.29	PK

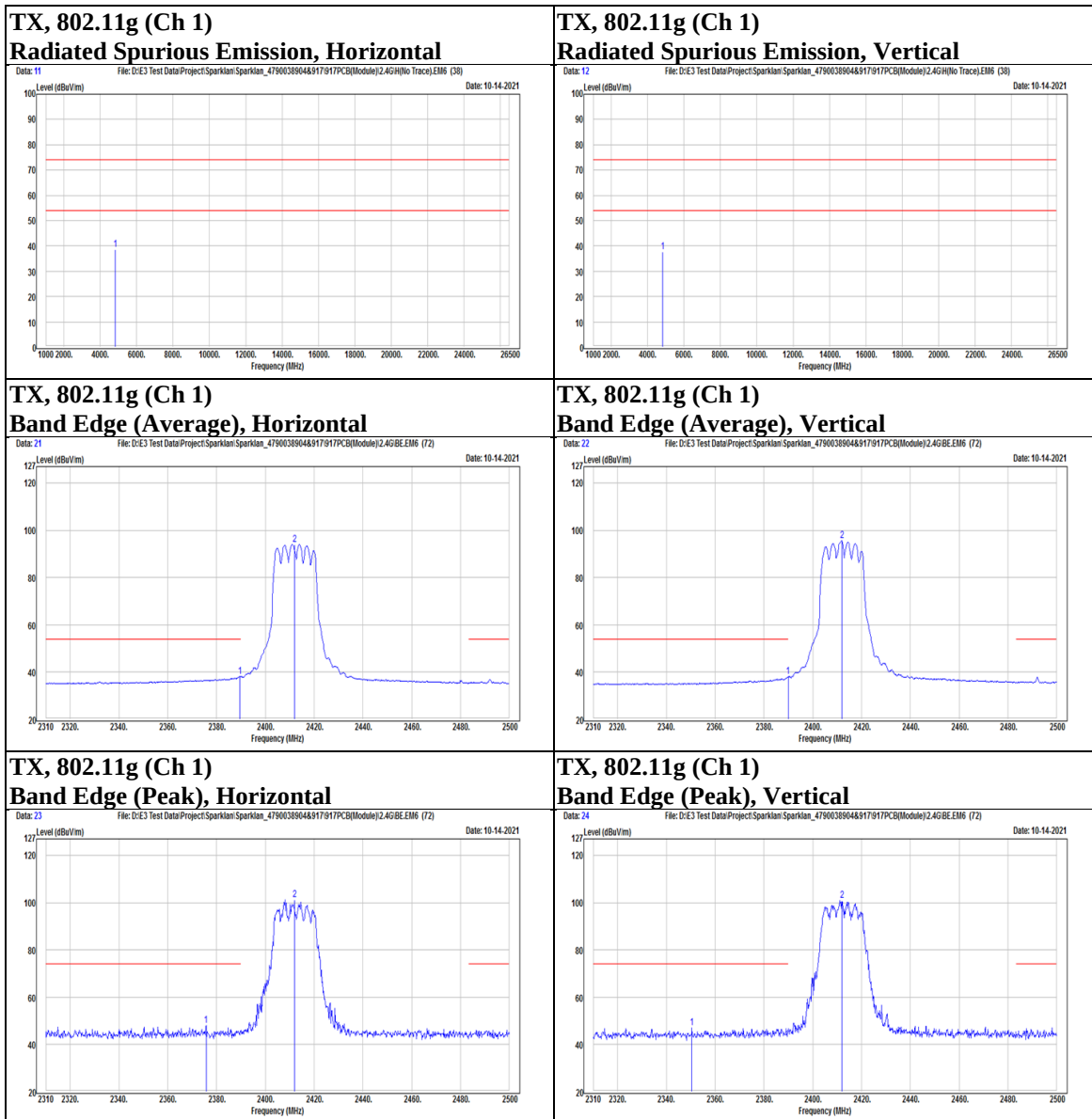
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Mode	802.11g	Channel	2
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2388.28	42.56	6.1	48.66	74	-25.34	PK
		2389.99	33.46	6.1	39.56	54	-14.44	AVG
	@	2417	99.48	6.13	105.61	N/A	N/A	PK
	@	2417	91.62	6.13	97.75	N/A	N/A	AVG
	*	4834	35.11	2.61	37.72	74	-36.28	PK
Vertical		2386.19	43.65	6.09	49.74	74	-24.26	PK
		2388.66	33.34	6.1	39.44	54	-14.56	AVG
	@	2417	100.85	6.13	106.98	N/A	N/A	PK
	@	2417	92.79	6.13	98.92	N/A	N/A	AVG
	*	4834	34.7	2.61	37.31	74	-36.69	PK

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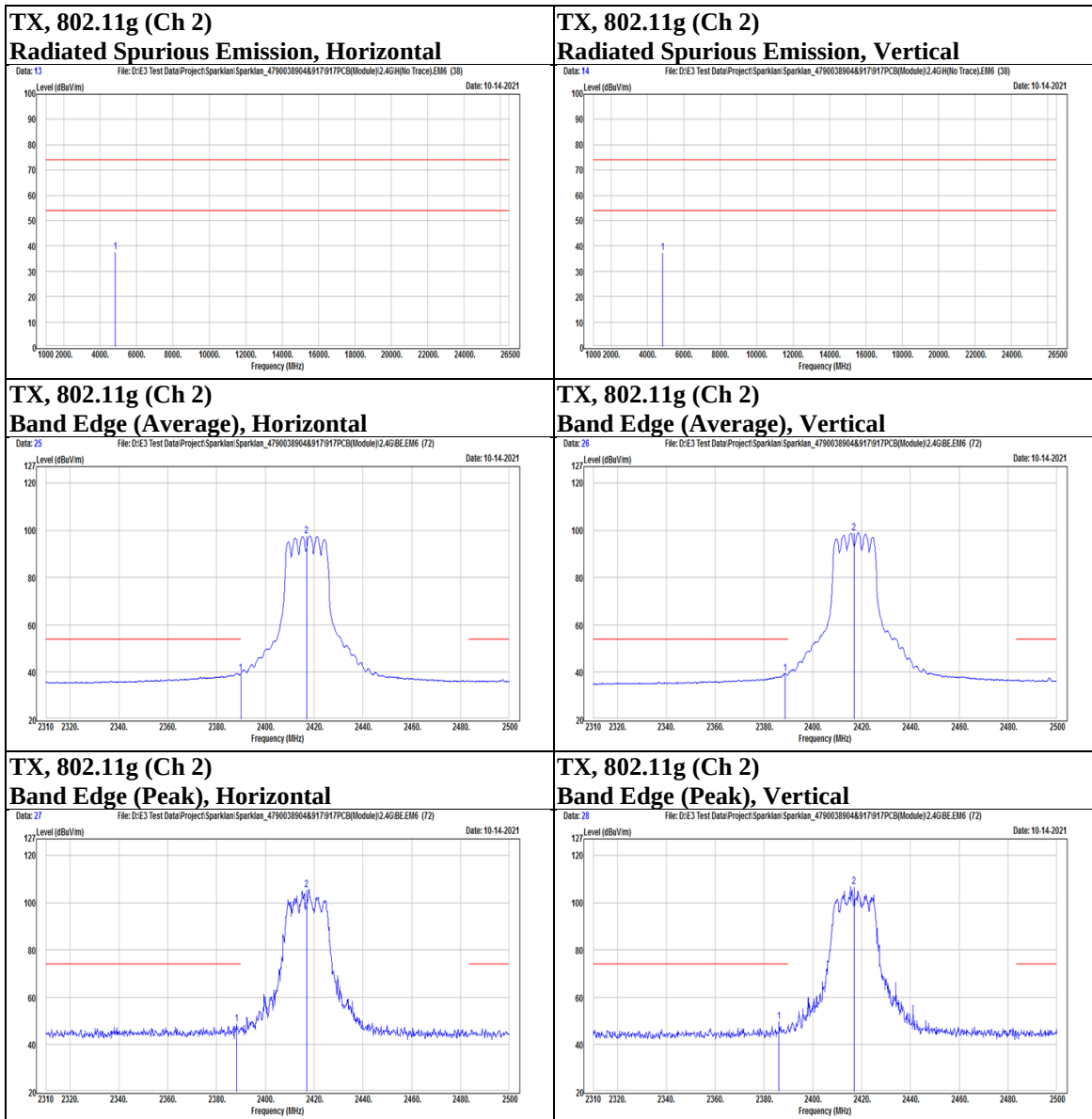
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Mode	802.11g	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2377.07	42.41	6.08	48.49	74	-25.51	PK
		2389.23	32.85	6.1	38.95	54	-15.05	AVG
	@	2437	103.66	6.12	109.78	N/A	N/A	PK
	@	2437	96.14	6.12	102.26	N/A	N/A	AVG
		2485.94	32.11	6.1	38.21	54	-15.79	AVG
		2498.1	42.42	6.1	48.52	74	-25.48	PK
	*	4874	36.07	2.66	38.73	74	-35.27	PK
Vertical		2381.25	42.5	6.08	48.58	74	-25.42	PK
		2389.61	32.43	6.1	38.53	54	-15.47	AVG
	@	2437	104.18	6.12	110.3	N/A	N/A	PK
	@	2437	97.36	6.12	103.48	N/A	N/A	AVG
		2483.66	32.59	6.1	38.69	54	-15.31	AVG
		2487.84	41.93	6.1	48.03	74	-25.97	PK
	*	4874	35.64	2.66	38.3	74	-35.7	PK
	*	7311	41.85	10.62	52.47	74	-21.53	PK

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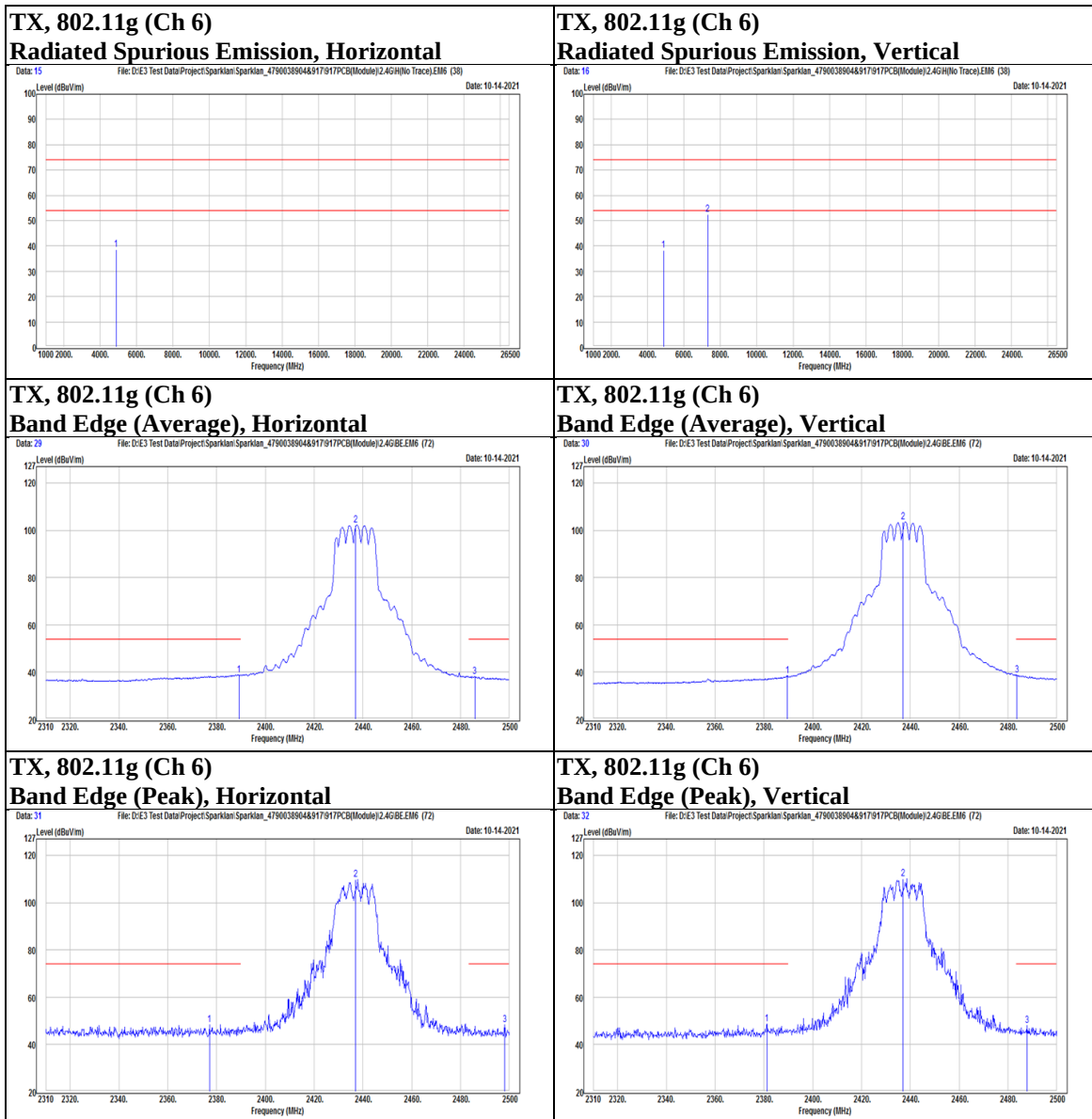
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Mode	802.11g	Channel	10
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2457	98.08	6.12	104.2	N/A	N/A	PK
	@	2457	92.47	6.12	98.59	N/A	N/A	AVG
		2486.32	31.56	6.1	37.66	54	-16.34	AVG
		2490.12	41.12	6.1	47.22	74	-26.78	PK
	*	4914	36.2	2.63	38.83	74	-35.17	PK
Vertical	@	2457	100.74	6.12	106.86	N/A	N/A	PK
	@	2457	94.17	6.12	100.29	N/A	N/A	AVG
		2483.85	32.42	6.1	38.52	54	-15.48	AVG
		2492.02	41.68	6.1	47.78	74	-26.22	PK
	*	4914	36.63	2.63	39.26	74	-34.74	PK

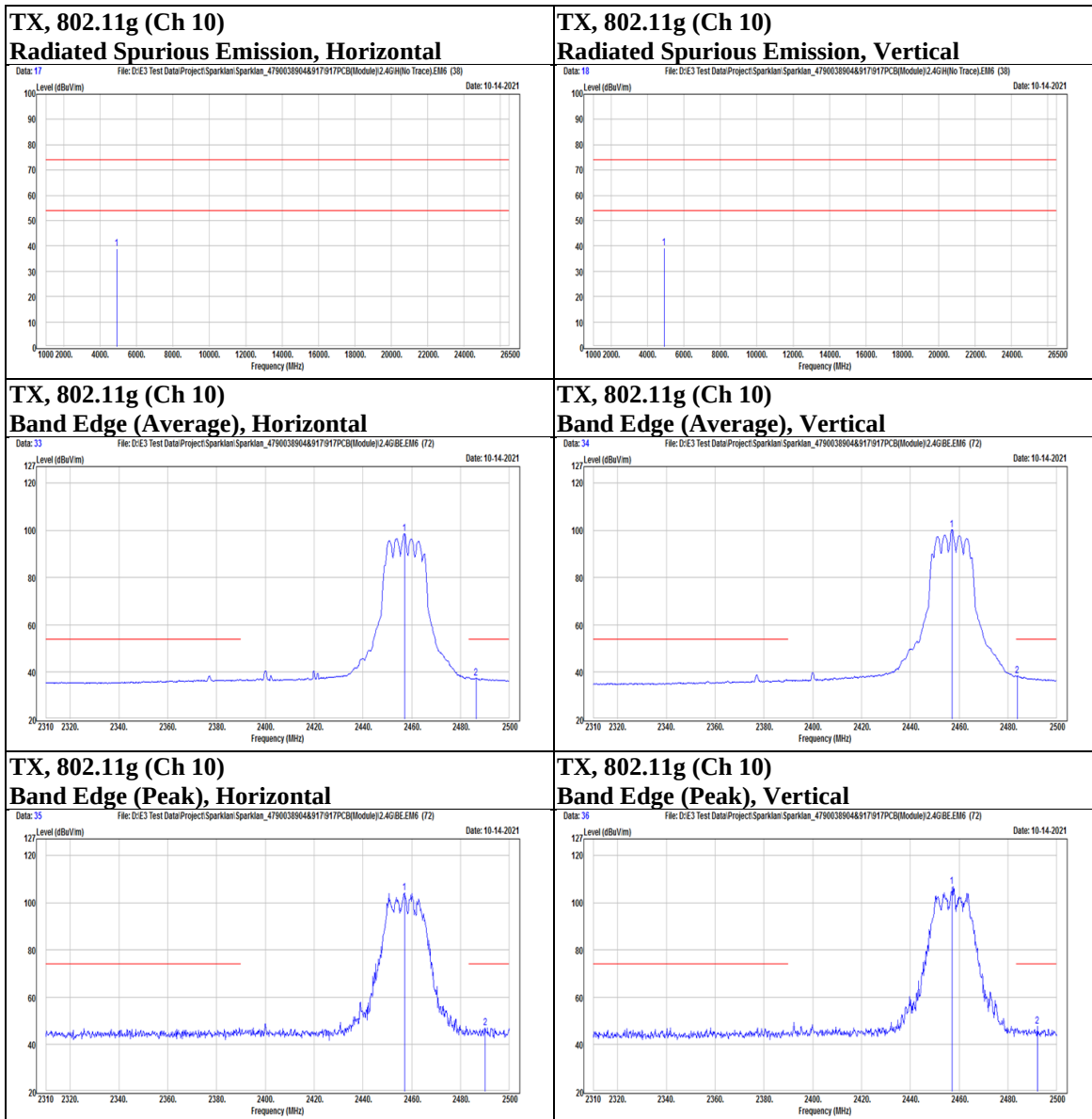
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Mode	802.11g	Channel	11
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2462	95.6	6.12	101.72	N/A	N/A	PK
	@	2462	90.05	6.12	96.17	N/A	N/A	AVG
		2483.66	31.03	6.1	37.13	54	-16.87	AVG
		2484.8	41.46	6.1	47.56	74	-26.44	PK
	*	4924	35.86	2.61	38.47	74	-35.53	PK
Vertical	@	2462	97.05	6.12	103.17	N/A	N/A	PK
	@	2462	91.81	6.12	97.93	N/A	N/A	AVG
		2483.66	31.83	6.1	37.93	54	-16.07	AVG
		2484.8	40.7	6.1	46.8	74	-27.2	PK
	*	4924	35.79	2.61	38.4	74	-35.6	PK

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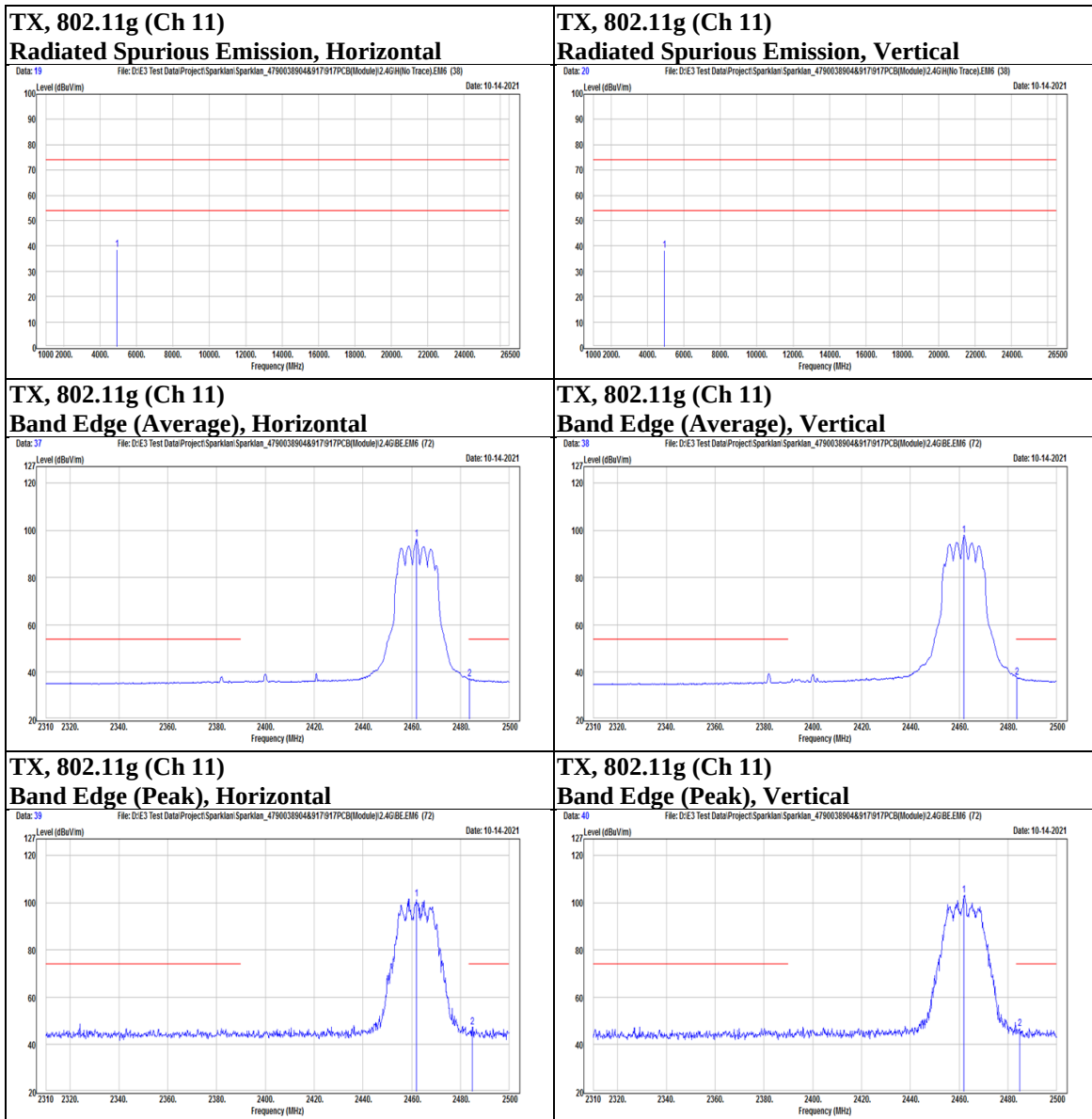
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Mode	802.11n(HT20)	Channel	1
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2379.92	41.25	6.08	47.33	74	-26.67	PK
		2389.61	30.86	6.1	36.96	54	-17.04	AVG
	@	2412	94.87	6.13	101	N/A	N/A	PK
	@	2412	86.69	6.13	92.82	N/A	N/A	AVG
	*	4824	36.24	2.55	38.79	74	-35.21	PK
Vertical		2385.05	40.12	6.09	46.21	74	-27.79	PK
		2389.61	30.89	6.1	36.99	54	-17.01	AVG
	@	2412	95.28	6.13	101.41	N/A	N/A	PK
	@	2412	87.85	6.13	93.98	N/A	N/A	AVG
	*	4824	35.76	2.55	38.31	74	-35.69	PK

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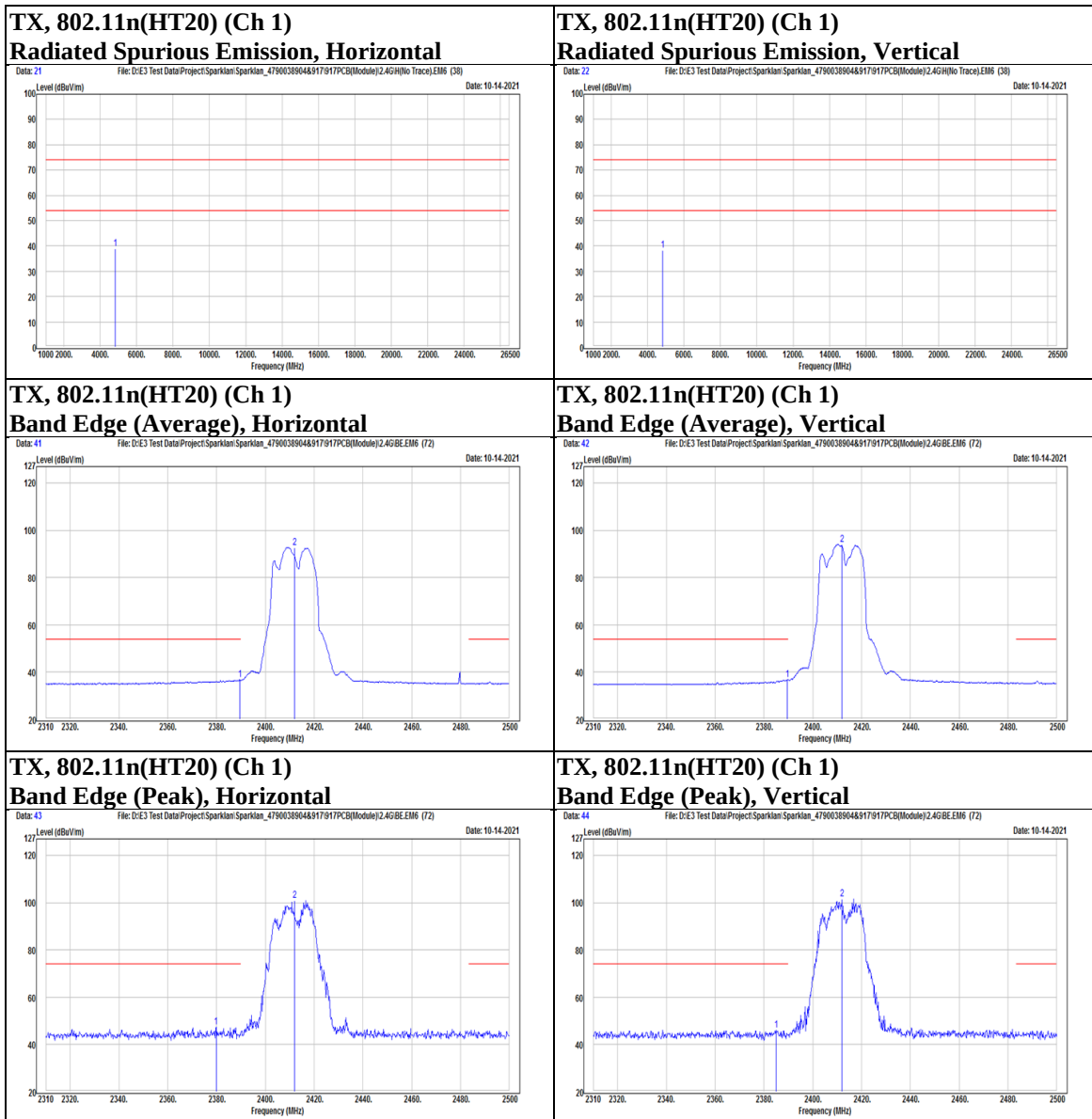
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Mode	802.11n(HT20)	Channel	2
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2387.33	42.47	6.1	48.57	74	-25.43	PK
		2388.47	33.45	6.1	39.55	54	-14.45	AVG
	@	2417	100.47	6.13	106.6	N/A	N/A	PK
	@	2417	92.61	6.13	98.74	N/A	N/A	AVG
	*	4834	35.87	2.61	38.48	74	-35.52	PK
Vertical		2389.8	44.48	6.1	50.58	74	-23.42	PK
		2389.99	33.39	6.1	39.49	54	-14.51	AVG
	@	2417	100.4	6.13	106.53	N/A	N/A	PK
	@	2417	92.43	6.13	98.56	N/A	N/A	AVG
	*	4834	35.42	2.61	38.03	74	-35.97	PK

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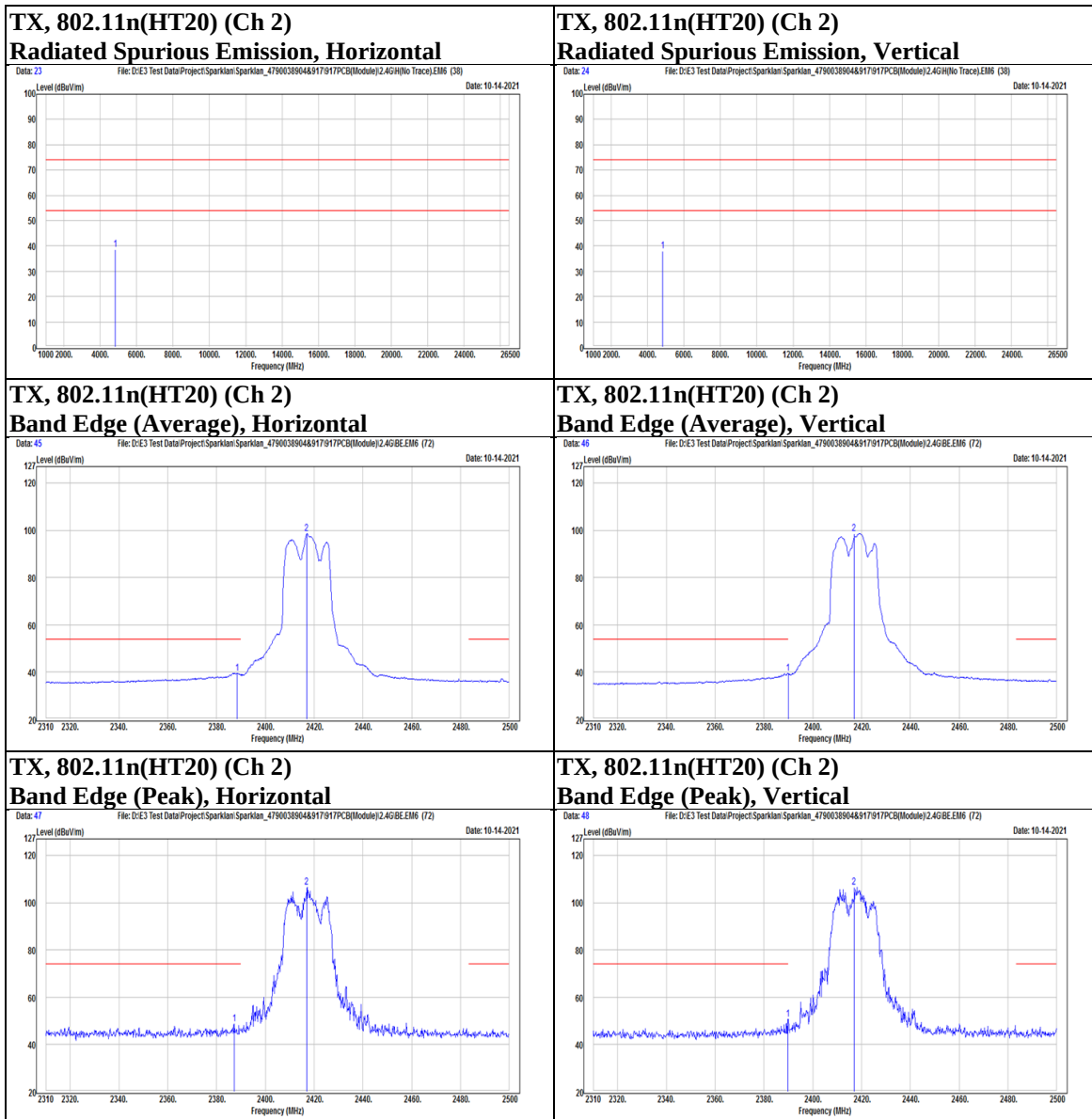
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Mode	802.11n(HT20)	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2387.33	47.36	6.1	53.46	74	-20.54	PK
		2389.99	33.18	6.1	39.28	54	-14.72	AVG
	@	2437	103.83	6.12	109.95	N/A	N/A	PK
	@	2437	96.28	6.12	102.4	N/A	N/A	AVG
		2486.13	32.29	6.1	38.39	54	-15.61	AVG
		2488.22	41.31	6.1	47.41	74	-26.59	PK
	*	4874	35.15	2.66	37.81	74	-36.19	PK
Vertical		2385.62	41.88	6.09	47.97	74	-26.03	PK
		2389.99	33.23	6.1	39.33	54	-14.67	AVG
	@	2437	103.18	6.12	109.3	N/A	N/A	PK
	@	2437	97.77	6.12	103.89	N/A	N/A	AVG
		2483.66	33.5	6.1	39.6	54	-14.4	AVG
		2485.94	42.38	6.1	48.48	74	-25.52	PK
	*	4874	34.86	2.66	37.52	74	-36.48	PK
	*	7311	39.63	10.62	50.25	74	-23.75	PK

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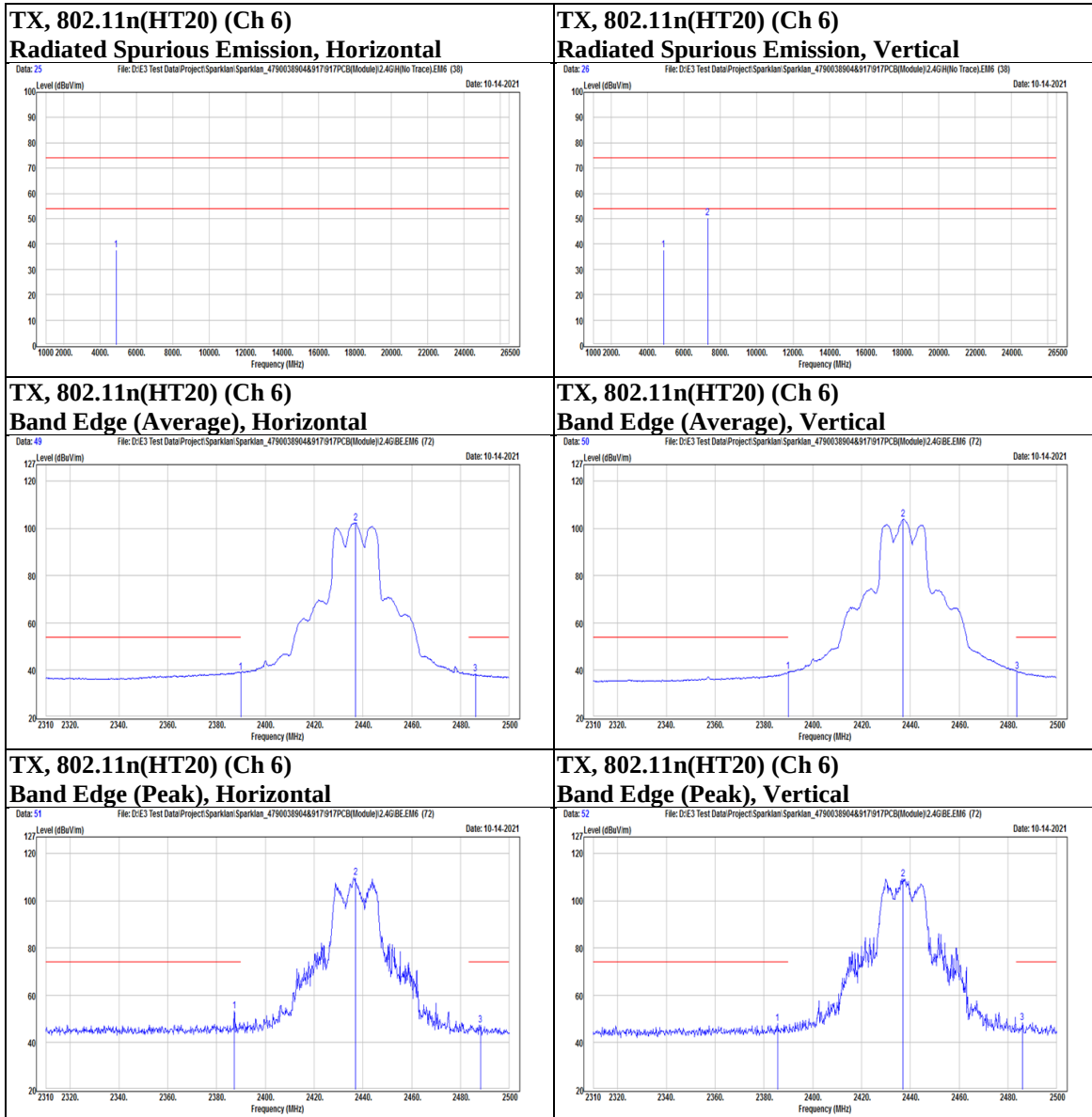
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Mode	802.11n(HT20)	Channel	10
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2457	99.1	6.12	105.22	N/A	N/A	PK
	@	2457	92.62	6.12	98.74	N/A	N/A	AVG
		2483.85	31.52	6.1	37.62	54	-16.38	AVG
		2490.12	41.58	6.1	47.68	74	-26.32	PK
	*	4914	35.18	2.63	37.81	74	-36.19	PK
Vertical	@	2457	100.06	6.12	106.18	N/A	N/A	PK
	@	2457	94.3	6.12	100.42	N/A	N/A	AVG
		2483.66	32.1	6.1	38.2	54	-15.8	AVG
		2491.64	41.69	6.1	47.79	74	-26.21	PK
	*	4914	35.44	2.63	38.07	74	-35.93	PK

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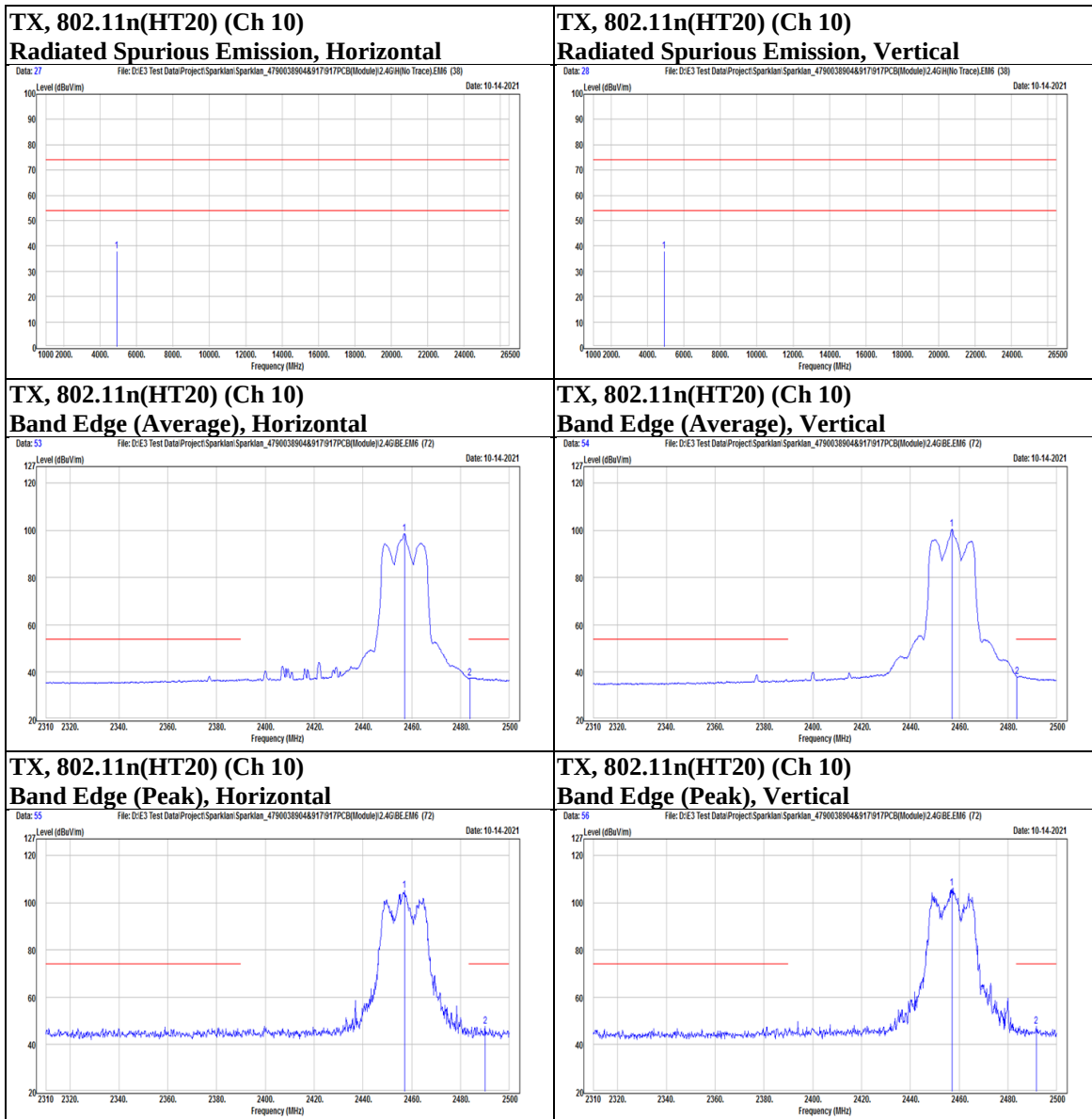
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Mode	802.11n(HT20)	Channel	11
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2462	95.56	6.12	101.68	N/A	N/A	PK
	@	2462	86.6	6.12	92.72	N/A	N/A	AVG
		2483.66	30.65	6.1	36.75	54	-17.25	AVG
		2492.97	41.08	6.1	47.18	74	-26.82	PK
	*	4924	35.75	2.61	38.36	74	-35.64	PK
Vertical	@	2462	95.66	6.12	101.78	N/A	N/A	PK
	@	2462	88.07	6.12	94.19	N/A	N/A	AVG
		2483.66	40.87	6.1	46.97	74	-27.03	PK
		2483.66	31.45	6.1	37.55	54	-16.45	AVG
	*	4924	34.74	2.61	37.35	74	-36.65	PK

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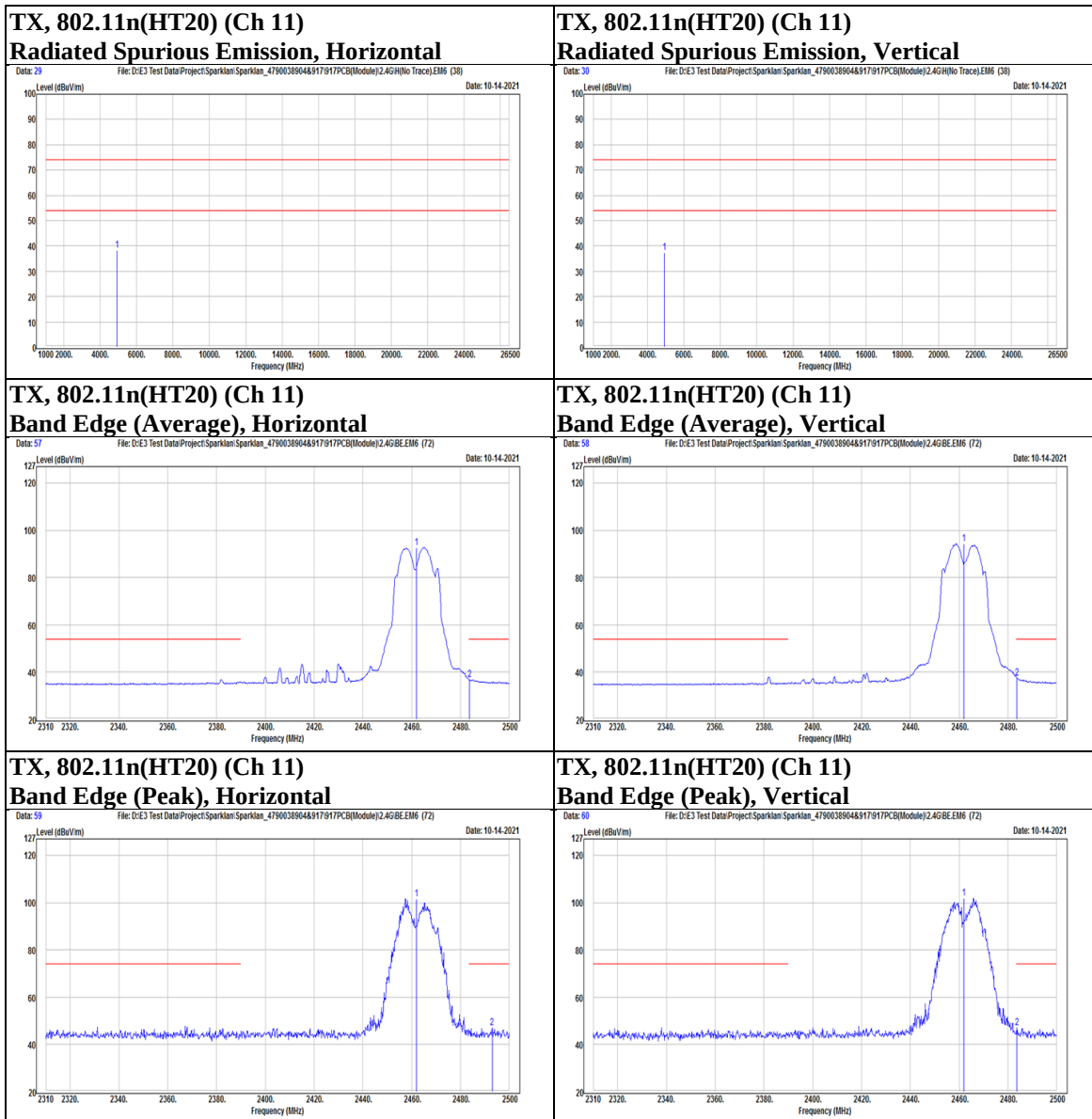
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Doc No: 17-EM-F0876 / 6.0



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Mode	802.11n(HT40)	Channel	3
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2375.93	41.46	6.07	47.53	74	-26.47	PK
		2385.81	31.16	6.09	37.25	54	-16.75	AVG
	@	2422	90.03	6.13	96.16	N/A	N/A	PK
	@	2422	86.17	6.13	92.3	N/A	N/A	AVG
	*	4844	36	2.66	38.66	74	-35.34	PK
Vertical		2386	31.65	6.09	37.74	54	-16.26	AVG
		2386.95	41.42	6.1	47.52	74	-26.48	PK
	@	2422	91.78	6.13	97.91	N/A	N/A	PK
	@	2422	84.4	6.13	90.53	N/A	N/A	AVG
	*	4844	34.95	2.66	37.61	74	-36.39	PK

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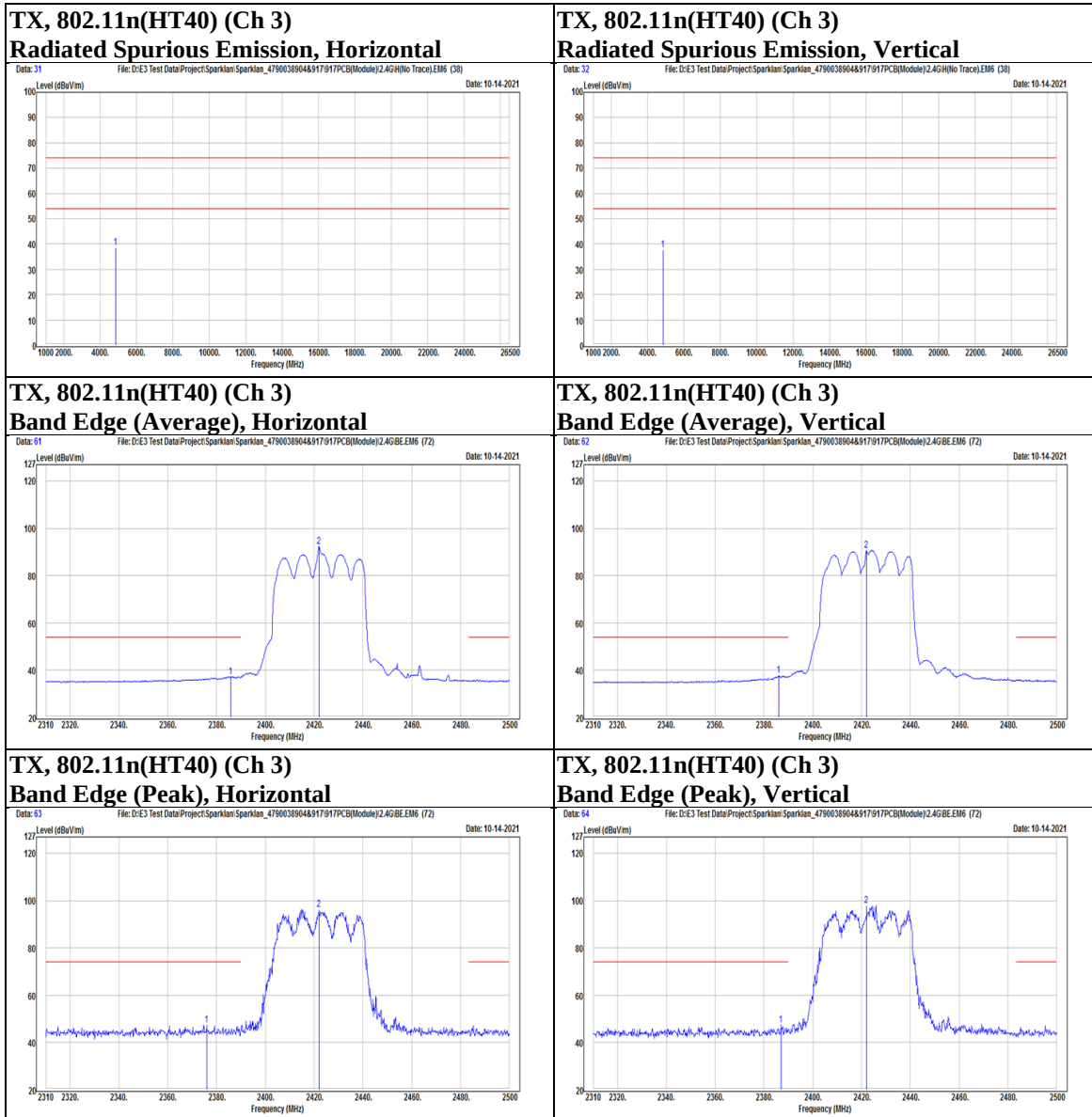
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Mode	802.11n(HT40)	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2386.76	43.01	6.1	49.11	74	-24.89	PK
		2389.42	31.57	6.1	37.67	54	-16.33	AVG
	@	2437	94.01	6.12	100.13	N/A	N/A	PK
	@	2437	85.51	6.12	91.63	N/A	N/A	AVG
		2486.89	40.32	6.1	46.42	74	-27.58	PK
		2488.41	30.82	6.1	36.92	54	-17.08	AVG
	*	4874	35.84	2.66	38.5	74	-35.5	PK
Vertical		2386.57	41.21	6.1	47.31	74	-26.69	PK
		2389.8	31.67	6.1	37.77	54	-16.23	AVG
	@	2437	93.45	6.12	99.57	N/A	N/A	PK
	@	2437	89.56	6.12	95.68	N/A	N/A	AVG
		2483.85	31.3	6.1	37.4	54	-16.6	AVG
		2495.06	41.46	6.1	47.56	74	-26.44	PK
	*	4874	35.43	2.66	38.09	74	-35.91	PK

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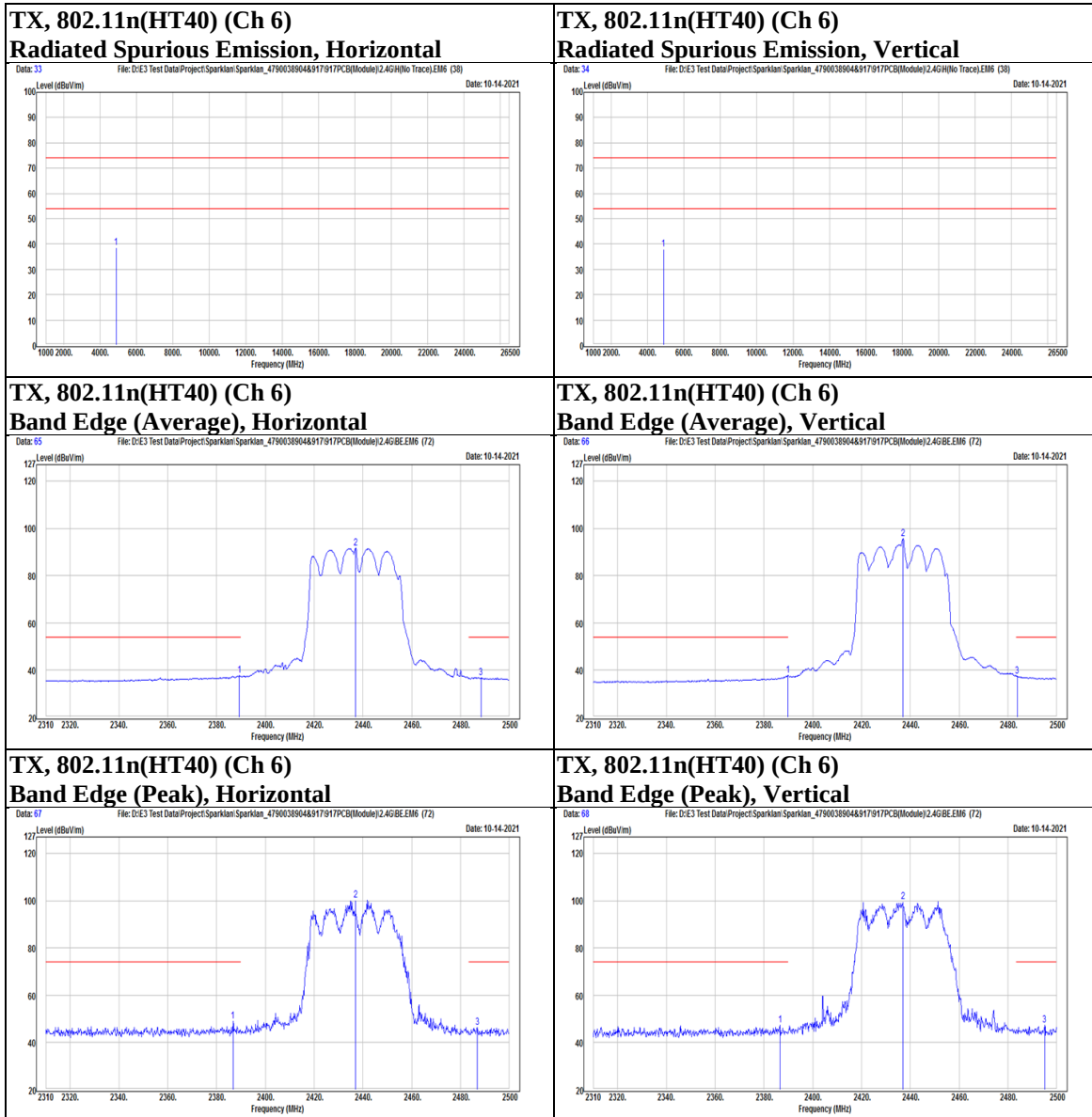
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Mode	802.11n(HT40)	Channel	9
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2452	90.35	6.12	96.47	N/A	N/A	PK
	@	2452	86.73	6.12	92.85	N/A	N/A	AVG
		2483.66	32.44	6.1	38.54	54	-15.46	AVG
		2488.22	40.9	6.1	47	74	-27	PK
	*	4904	35.51	2.63	38.14	74	-35.86	PK
Vertical	@	2452	91.22	6.12	97.34	N/A	N/A	PK
	@	2452	88.34	6.12	94.46	N/A	N/A	AVG
		2483.66	34.17	6.1	40.27	54	-13.73	AVG
		2491.26	41.92	6.1	48.02	74	-25.98	PK
	*	4904	35.62	2.63	38.25	74	-35.75	PK

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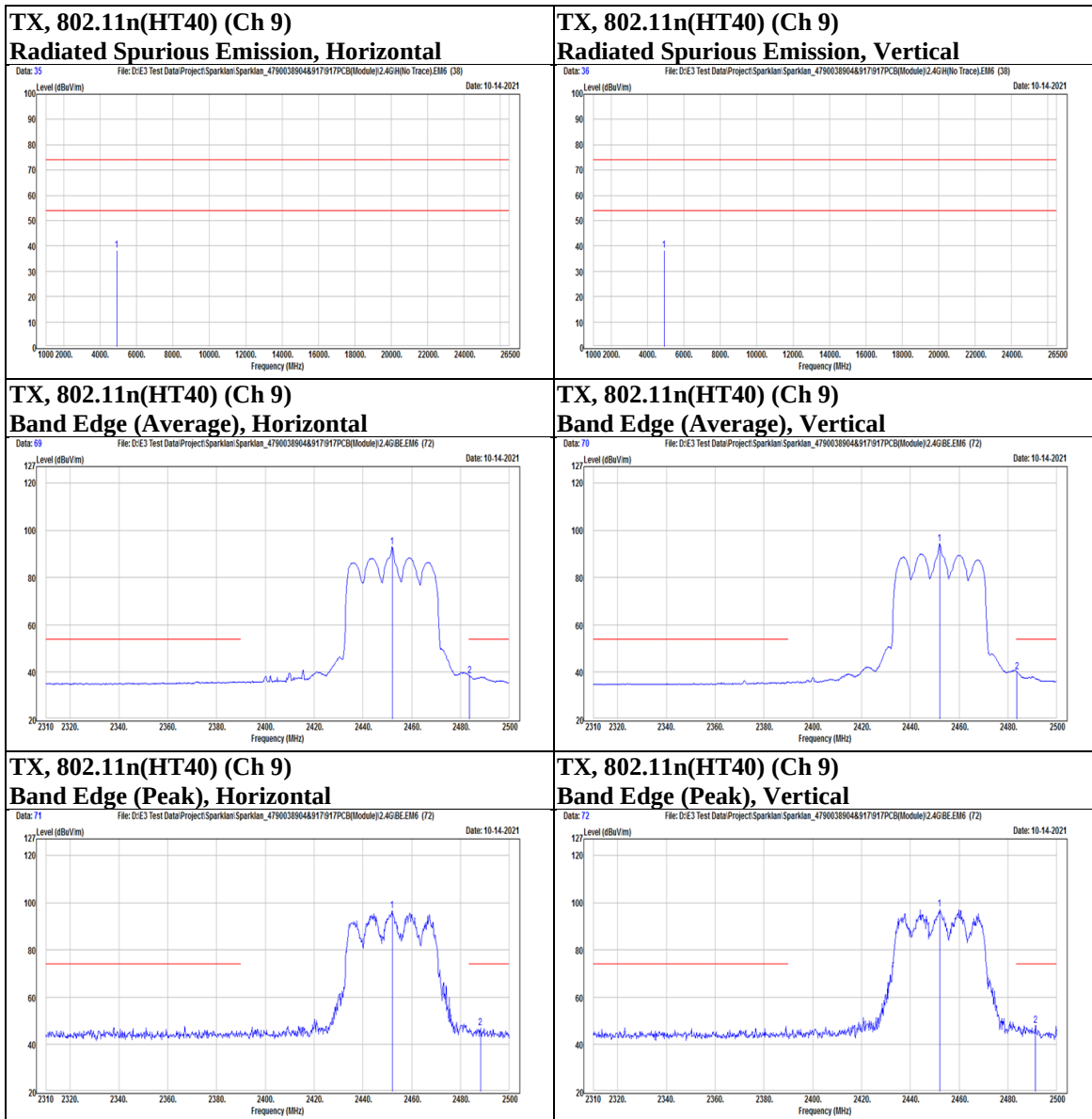
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Below 1G

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		78.5	40.92	-16	24.92	40	-15.08	PK
		207.51	47.25	-13.85	33.4	43.5	-10.1	PK
		234.67	42.17	-12.27	29.9	46	-16.1	PK
		364.65	39.02	-8.01	31.01	46	-14.99	PK
		478.14	37.7	-5.17	32.53	46	-13.47	PK
		957.32	32.81	3.87	36.68	46	-9.32	PK
Vertical		78.5	41.62	-16	25.62	40	-14.38	PK
		147.37	34.91	-11.58	23.33	43.5	-20.17	PK
		296.75	37.76	-10.08	27.68	46	-18.32	PK
		323.91	36.69	-9.18	27.51	46	-18.49	PK
		480.08	42.68	-5.19	37.49	46	-8.51	PK
		960.23	33.09	3.89	36.98	54	-17.02	PK

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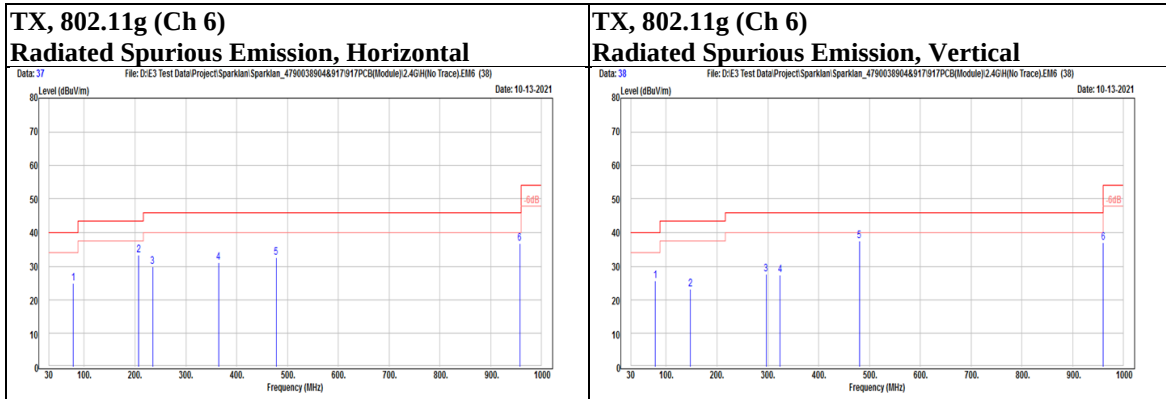
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9.6. AC Power Line Conducted Emission

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 (dBuV) = Reading value (dBuV) + Correction Factor (dB).
4. Test data of Margin(dB) = Result value (dBuV) - Limit value (dBuV).
5. Test data of Correction Factor (dB) = Insertion loss(dB) + Cable loss(dB).

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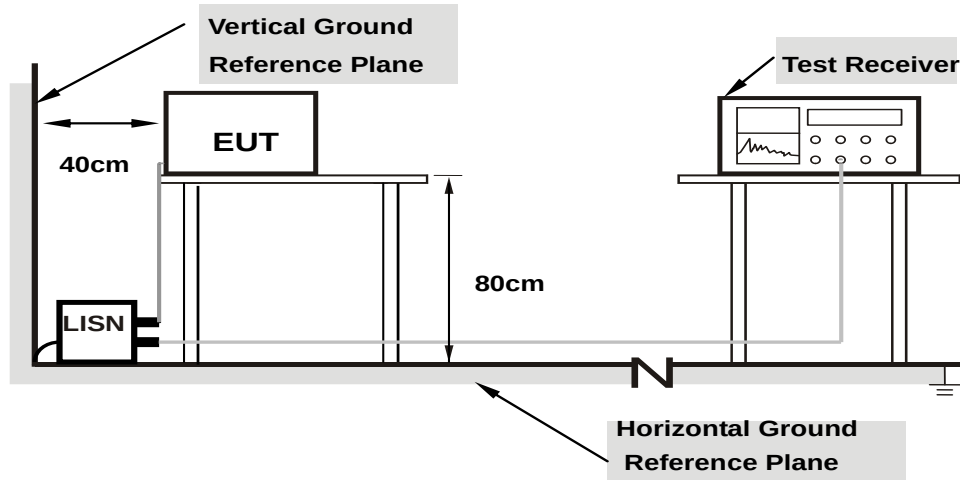
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Test Setup



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

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

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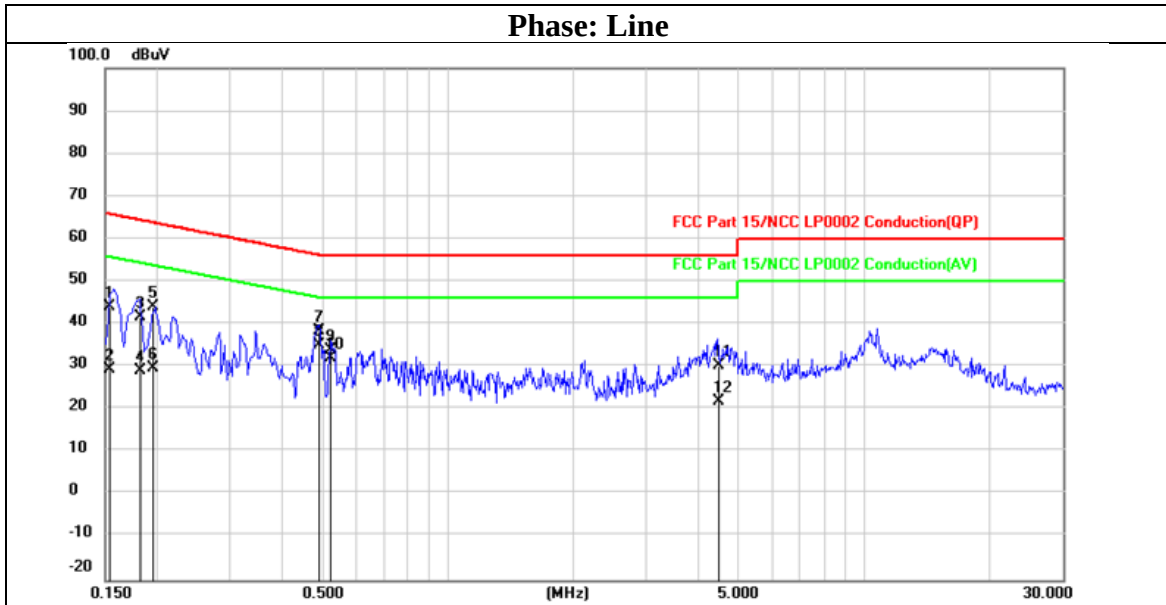
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Test Data

Mode	802.11g	Channel	6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1536	24.66	19.49	44.15	65.80	-21.65	QP
2	0.1536	9.95	19.49	29.44	55.80	-26.36	AVG
3	0.1811	22.11	19.49	41.60	64.44	-22.84	QP
4	0.1811	9.67	19.49	29.16	54.44	-25.28	AVG
5	0.1951	24.43	19.49	43.92	63.82	-19.90	QP
6	0.1951	10.21	19.49	29.70	53.82	-24.12	AVG
7	0.4901	18.75	19.49	38.24	56.17	-17.93	QP
8	0.4901	15.48	19.49	34.97	46.17	-11.20	AVG
9	0.5211	14.46	19.50	33.96	56.00	-22.04	QP
10	0.5211	12.55	19.50	32.05	46.00	-13.95	AVG
11	4.4797	10.73	19.58	30.31	56.00	-25.69	QP
12	4.4797	2.15	19.58	21.73	46.00	-24.27	AVG

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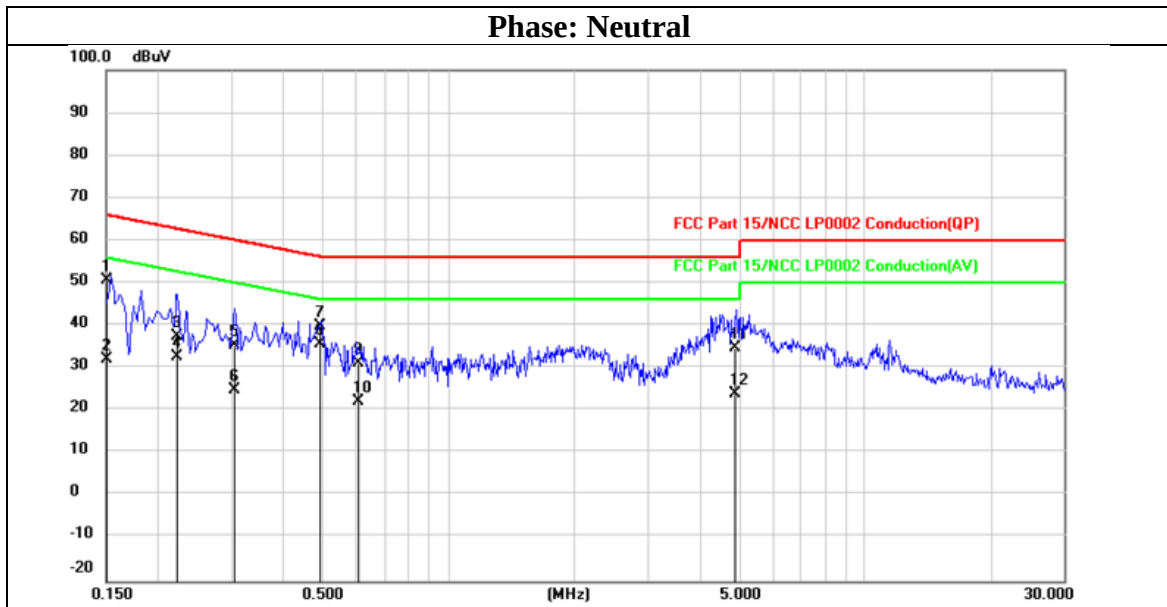
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Mode	802.11g	Channel	6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1505	31.20	19.49	50.69	65.97	-15.28	QP
2	0.1505	12.52	19.49	32.01	55.97	-23.96	AVG
3	0.2229	17.97	19.49	37.46	62.71	-25.25	QP
4	0.2229	13.08	19.49	32.57	52.71	-20.14	AVG
5	0.3053	15.94	19.49	35.43	60.10	-24.67	QP
6	0.3053	5.45	19.49	24.94	50.10	-25.16	AVG
7	0.4891	20.23	19.49	39.72	56.18	-16.46	QP
8	0.4891	16.30	19.49	35.79	46.18	-10.39	AVG
9	0.6050	11.70	19.50	31.20	56.00	-24.80	QP
10	0.6050	2.66	19.50	22.16	46.00	-23.84	AVG
11	4.8608	15.11	19.60	34.71	56.00	-21.29	QP
12	4.8608	4.45	19.60	24.05	46.00	-21.95	AVG

END OF REPORT

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