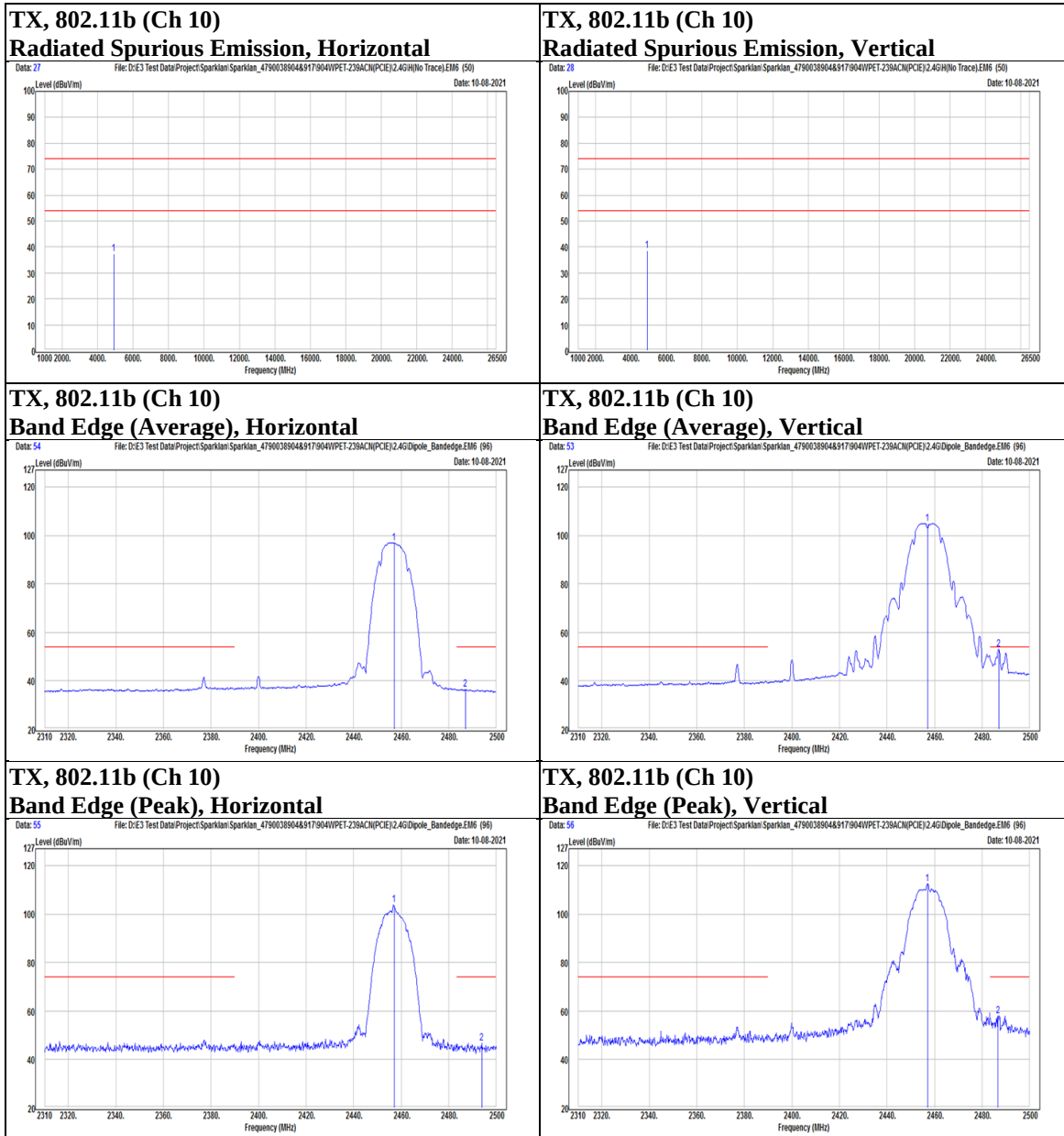






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Mode	802.11b	Channel	11
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2462	96.29	6.12	102.41	N/A	N/A	PK
	@	2462	90.11	6.12	96.23	N/A	N/A	AVG
		2484.04	30.51	6.1	36.61	54	-17.39	AVG
		2495.44	40	6.1	46.1	74	-27.9	PK
	*	4924	37.66	2.61	40.27	74	-33.73	PK
Vertical	@	2462	106.65	6.12	112.77	N/A	N/A	PK
	@	2462	99.85	6.12	105.97	N/A	N/A	AVG
		2483.85	53.45	6.1	59.55	74	-14.45	PK
		2483.85	46.79	6.1	52.89	54	-1.11	AVG
	*	4924	37.94	2.61	40.55	74	-33.45	PK

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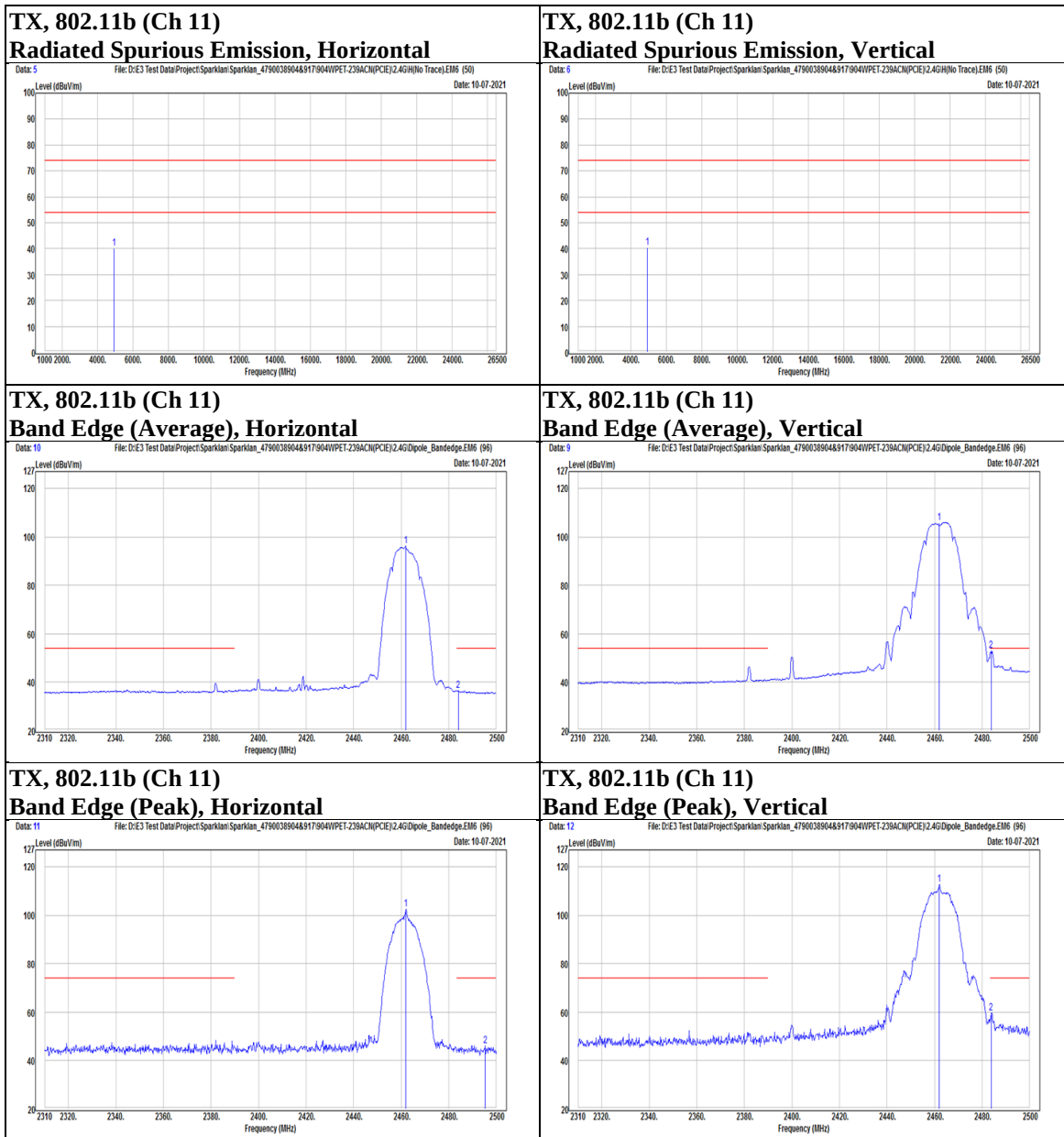
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Mode	802.11g	Channel	1
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2315.7	41.27	6.18	47.45	74	-26.55	PK
		2389.42	32.14	6.1	38.24	54	-15.76	AVG
	@	2412	92.9	6.13	99.03	N/A	N/A	PK
	@	2412	85.97	6.13	92.1	N/A	N/A	AVG
	*	4824	37.31	2.55	39.86	74	-34.14	PK
Vertical		2388.66	62.81	6.1	68.91	74	-5.09	PK
		2389.61	46.91	6.1	53.01	54	-0.99	AVG
	@	2412	103.68	6.13	109.81	N/A	N/A	PK
	@	2412	97.2	6.13	103.33	N/A	N/A	AVG
	*	4824	41.8	2.55	44.35	74	-29.65	PK

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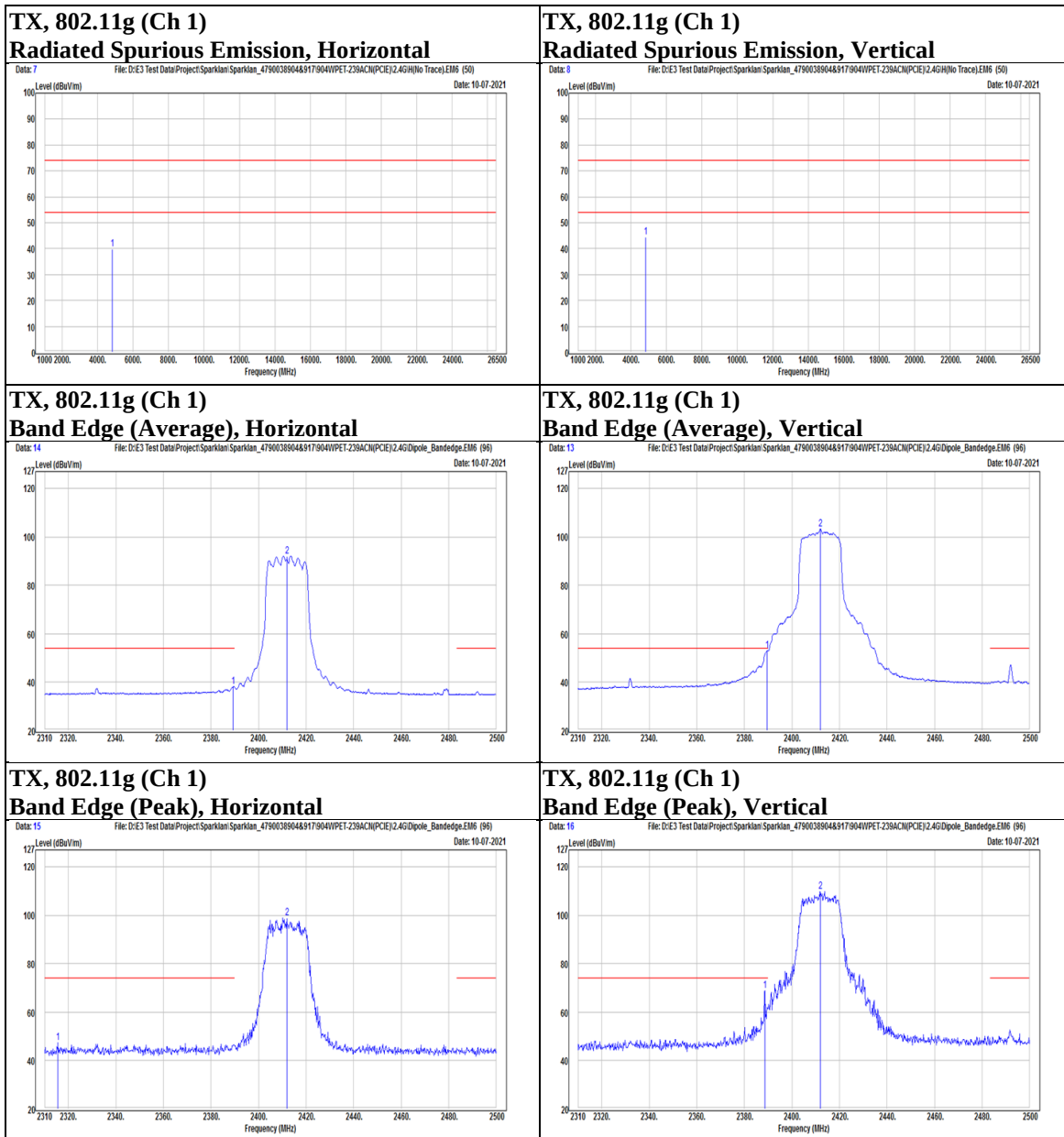
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Mode	802.11g	Channel	2
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2389.23	43.63	6.1	49.73	74	-24.27	PK
		2389.23	35.64	6.1	41.74	54	-12.26	AVG
	@	2417	97.58	6.13	103.71	N/A	N/A	PK
	@	2417	90.68	6.13	96.81	N/A	N/A	AVG
	*	4834	35.58	2.61	38.19	74	-35.81	PK
Vertical		2389.8	46.38	6.1	52.48	54	-1.52	AVG
		2389.99	55.89	6.1	61.99	74	-12.01	PK
	@	2417	105.81	6.13	111.94	N/A	N/A	PK
	@	2417	99.5	6.13	105.63	N/A	N/A	AVG
	*	4834	35.79	2.61	38.4	74	-35.6	PK

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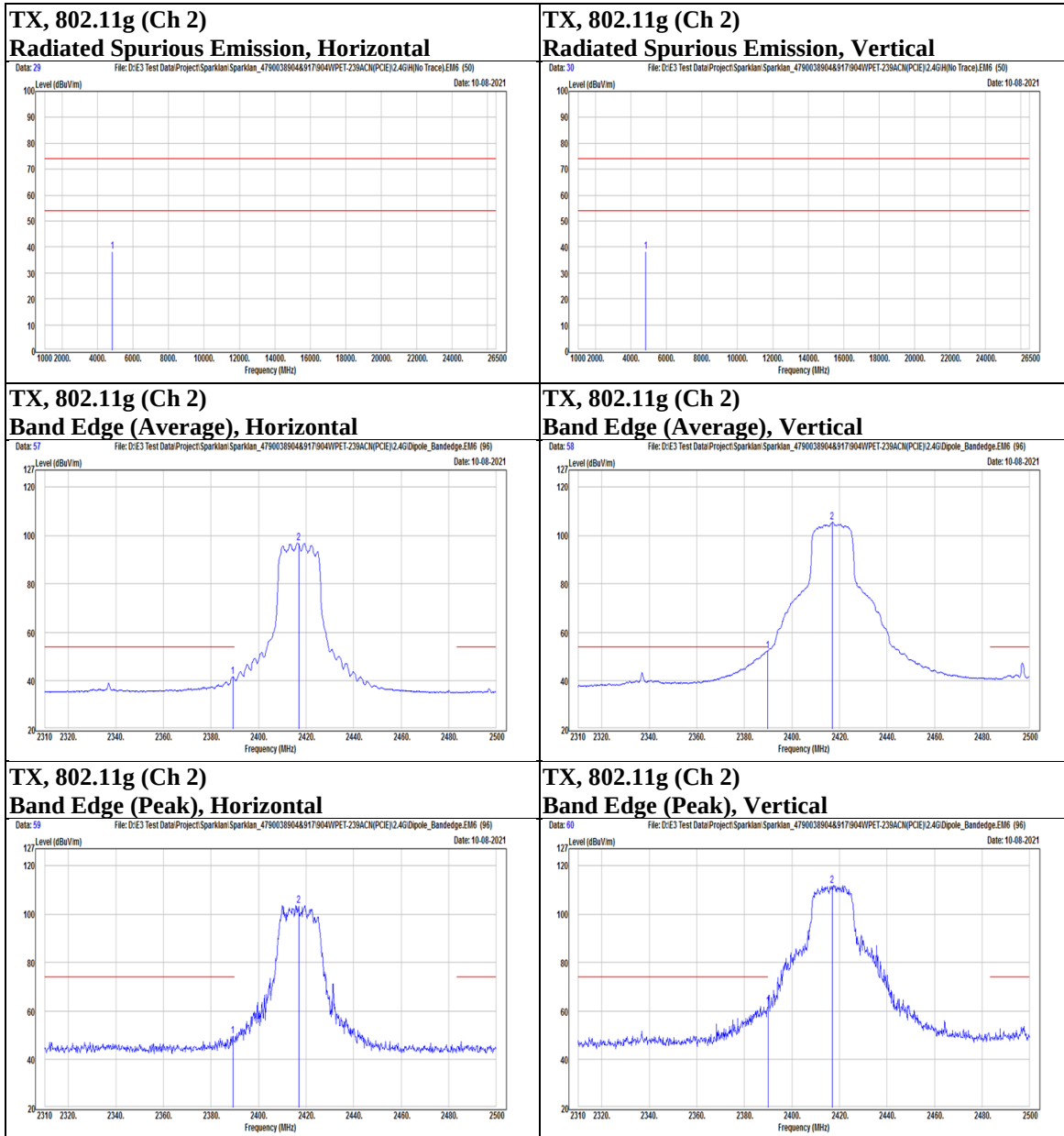
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Mode	802.11g	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2322.92	42.65	6.14	48.79	74	-25.21	PK
		2388.85	31.89	6.1	37.99	54	-16.01	AVG
	@	2437	100.94	6.12	107.06	N/A	N/A	PK
	@	2437	94.29	6.12	100.41	N/A	N/A	AVG
		2483.66	30.14	6.1	36.24	54	-17.76	AVG
		2499.05	40.75	6.1	46.85	74	-27.15	PK
	*	4874	37.34	2.66	40	74	-34	PK
Vertical		2387.52	58.29	6.1	64.39	74	-9.61	PK
		2389.99	46.42	6.1	52.52	54	-1.48	AVG
	@	2437	108.46	6.12	114.58	N/A	N/A	PK
	@	2437	101.05	6.12	107.17	N/A	N/A	AVG
		2483.66	46.73	6.1	52.83	54	-1.17	AVG
		2483.85	61.29	6.1	67.39	74	-6.61	PK
	*	4874	38.13	2.66	40.79	74	-33.21	PK
	*	7311	41.78	10.62	52.4	74	-21.6	PK

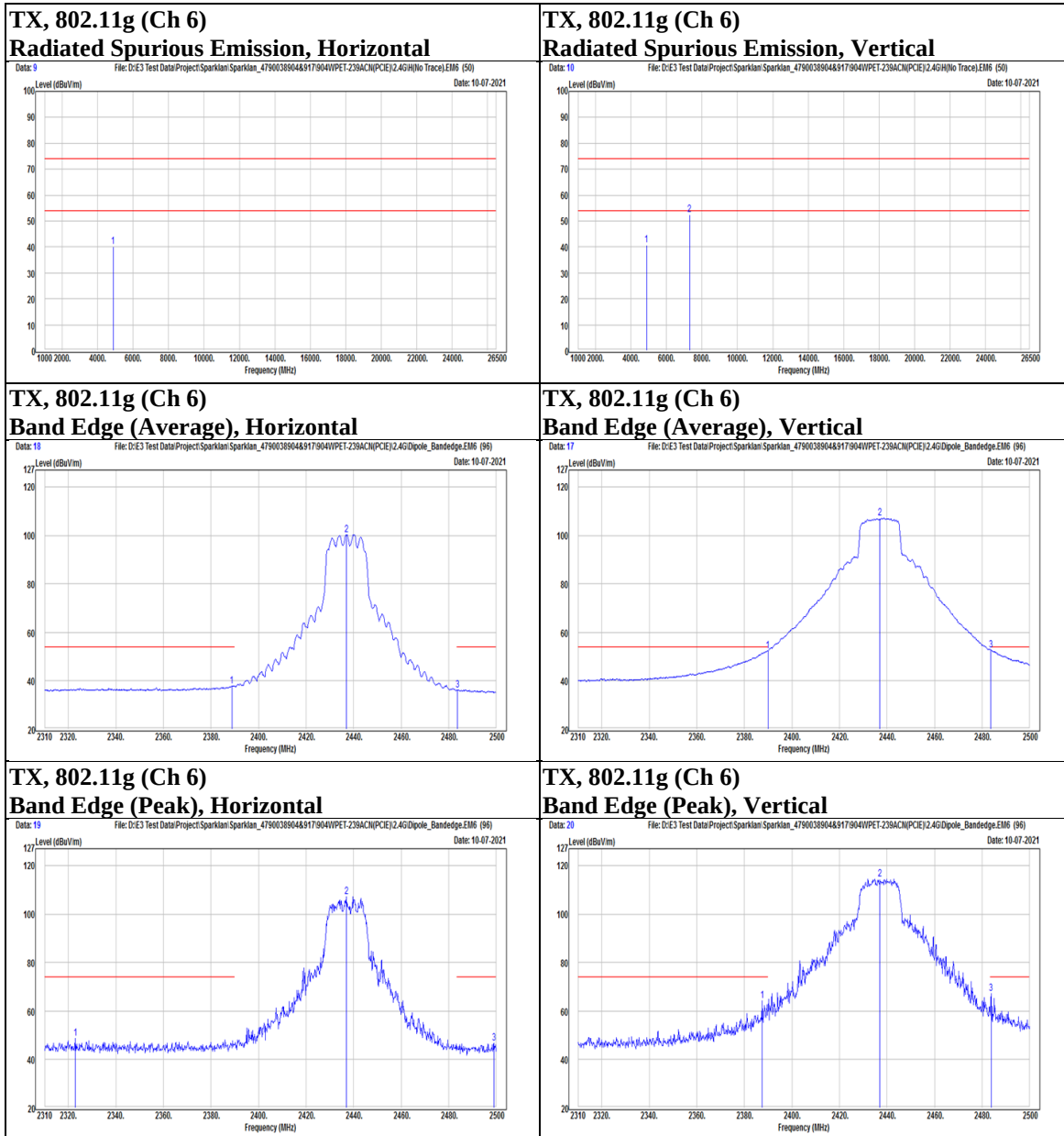
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Mode	802.11g	Channel	10
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2457	96.56	6.12	102.68	N/A	N/A	PK
	@	2457	88.19	6.12	94.31	N/A	N/A	AVG
		2483.66	30.35	6.1	36.45	54	-17.55	AVG
		2497.34	40.38	6.1	46.48	74	-27.52	PK
	*	4914	35.64	2.63	38.27	74	-35.73	PK
Vertical	@	2457	106.39	6.12	112.51	N/A	N/A	PK
	@	2457	97.58	6.12	103.7	N/A	N/A	AVG
		2483.66	46.24	6.1	52.34	54	-1.66	AVG
		2485.56	59.28	6.1	65.38	74	-8.62	PK
	*	4914	35.87	2.63	38.5	74	-35.5	PK

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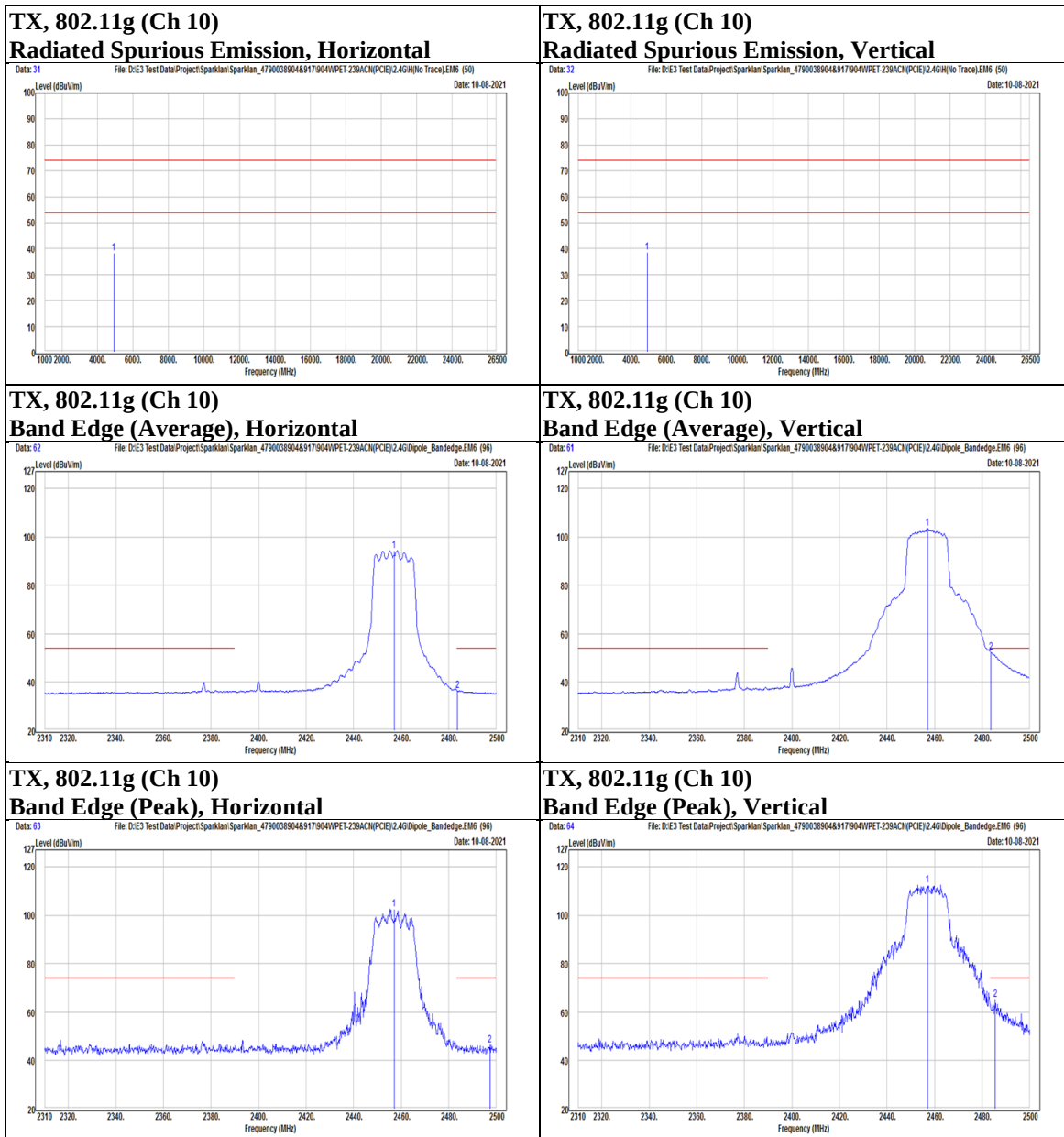
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Mode	802.11g	Channel	11
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2462	91.24	6.12	97.36	N/A	N/A	PK
	@	2462	85.6	6.12	91.72	N/A	N/A	AVG
		2483.66	29.7	6.1	35.8	54	-18.2	AVG
		2490.31	40.16	6.1	46.26	74	-27.74	PK
	*	4924	37.71	2.61	40.32	74	-33.68	PK
Vertical	@	2462	103.58	6.12	109.7	N/A	N/A	PK
	@	2462	99.26	6.12	105.38	N/A	N/A	AVG
		2483.66	46.37	6.1	52.47	54	-1.53	AVG
		2483.85	58.89	6.1	64.99	74	-9.01	PK
	*	4924	38.11	2.61	40.72	74	-33.28	PK

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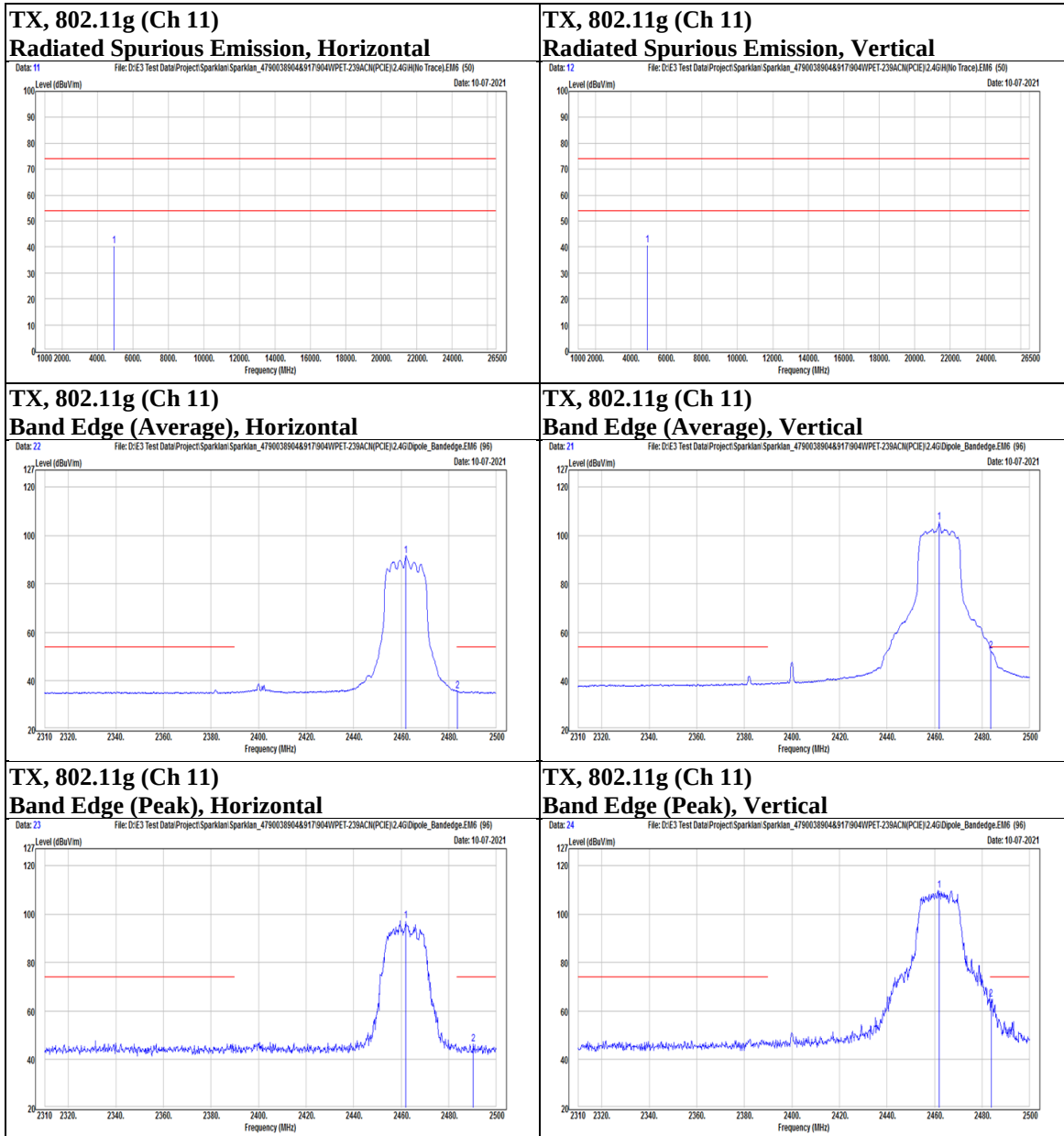
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Mode	802.11n(HT20)	Channel	1
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2321.21	41.51	6.15	47.66	74	-26.34	PK
		2332.04	31.03	6.1	37.13	54	-16.87	AVG
	@	2412	93.74	6.13	99.87	N/A	N/A	PK
	@	2412	85.45	6.13	91.58	N/A	N/A	AVG
	*	4824	38.35	2.55	40.9	74	-33.1	PK
Vertical		2389.42	58.14	6.1	64.24	74	-9.76	PK
		2389.99	46.79	6.1	52.89	54	-1.11	AVG
	@	2412	103.21	6.13	109.34	N/A	N/A	PK
	@	2412	95.74	6.13	101.87	N/A	N/A	AVG
	*	4824	40.5	2.55	43.05	74	-30.95	PK

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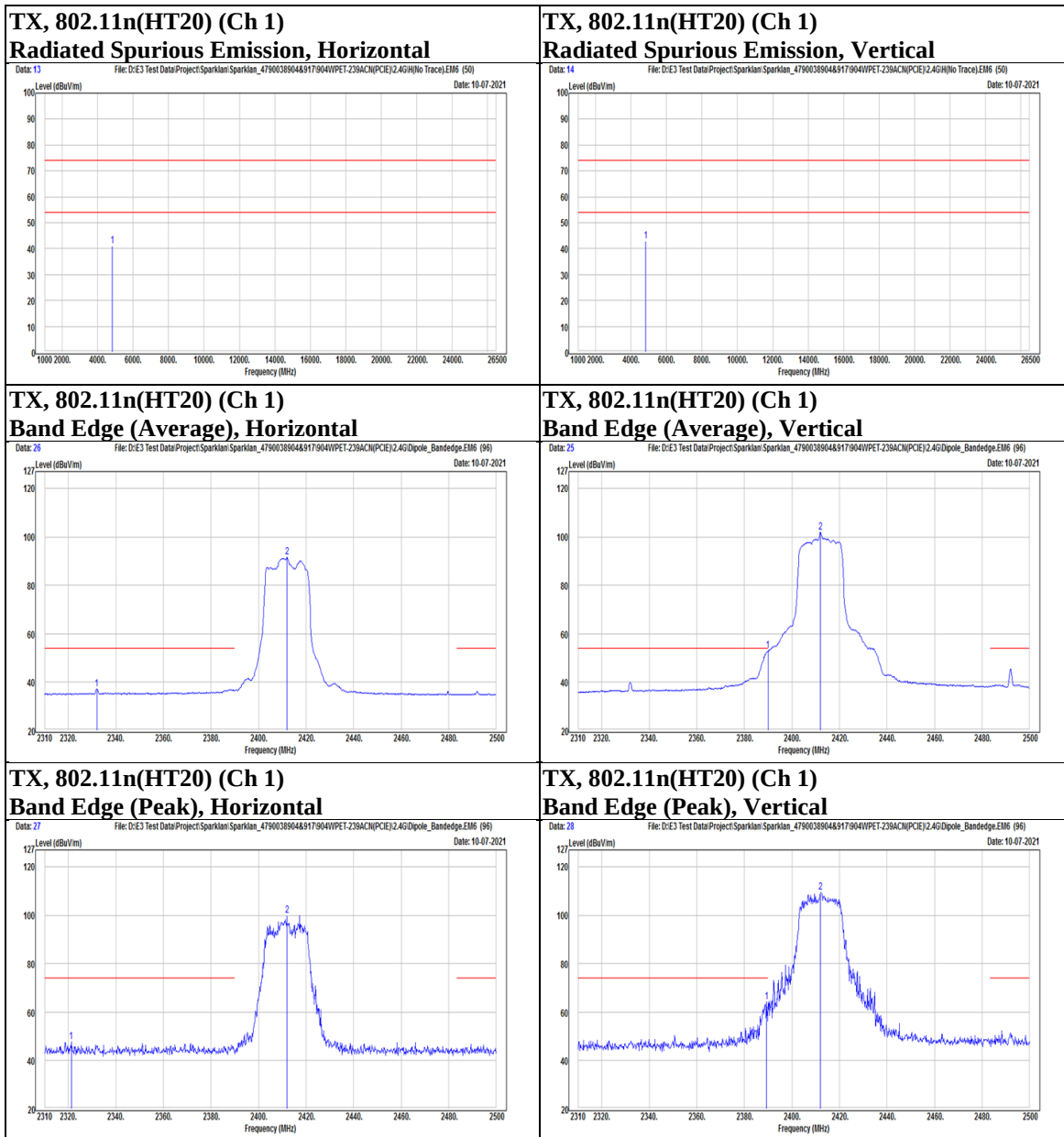
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Mode	802.11n(HT20)	Channel	2
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2383.34	44.45	6.09	50.54	74	-23.46	PK
		2389.99	34.27	6.1	40.37	54	-13.63	AVG
	@	2417	99.17	6.13	105.3	N/A	N/A	PK
	@	2417	90.09	6.13	96.22	N/A	N/A	AVG
	*	4834	35.26	2.61	37.87	74	-36.13	PK
Vertical		2389.99	61.37	6.1	67.47	74	-6.53	PK
		2389.99	46.79	6.1	52.89	54	-1.11	AVG
	@	2417	107.11	6.13	113.24	N/A	N/A	PK
	@	2417	98.45	6.13	104.58	N/A	N/A	AVG
	*	4834	34.91	2.61	37.52	74	-36.48	PK

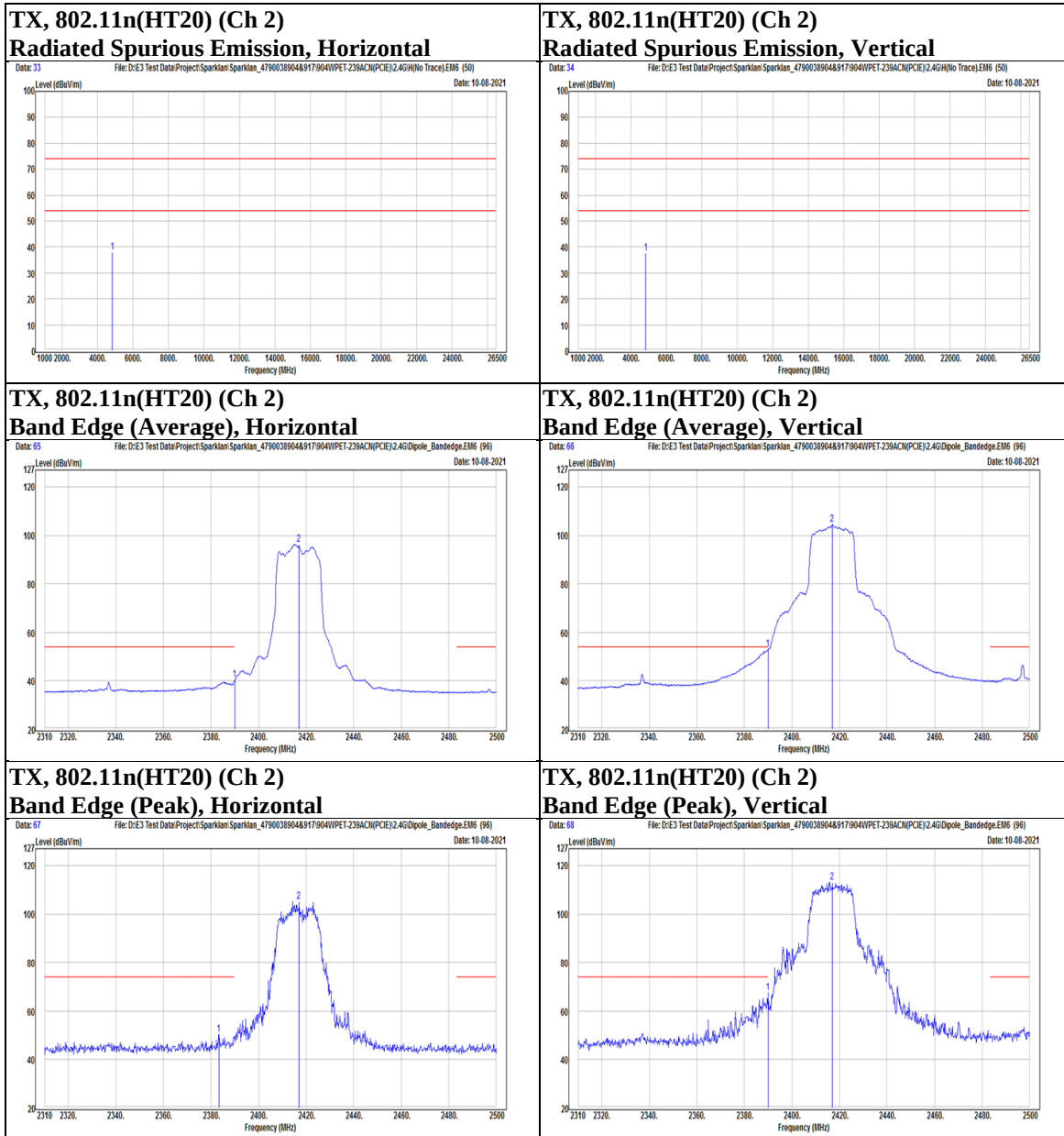
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Mode	802.11n(HT20)	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2389.23	43.61	6.1	49.71	74	-24.29	PK
		2389.99	32.23	6.1	38.33	54	-15.67	AVG
	@	2437	101.15	6.12	107.27	N/A	N/A	PK
	@	2437	94	6.12	100.12	N/A	N/A	AVG
		2484.42	29.97	6.1	36.07	54	-17.93	AVG
		2489.55	40.91	6.1	47.01	74	-26.99	PK
	*	4874	38.47	2.66	41.13	74	-32.87	PK
Vertical		2386.76	66.39	6.1	72.49	74	-1.51	PK
		2389.8	46.89	6.1	52.99	54	-1.01	AVG
	@	2437	109.33	6.12	115.45	N/A	N/A	PK
	@	2437	101.17	6.12	107.29	N/A	N/A	AVG
		2483.66	46.49	6.1	52.59	54	-1.41	AVG
		2487.84	60.3	6.1	66.4	74	-7.6	PK
	*	4874	37.36	2.66	40.02	74	-33.98	PK
	*	7311	40.61	10.62	51.23	74	-22.77	PK

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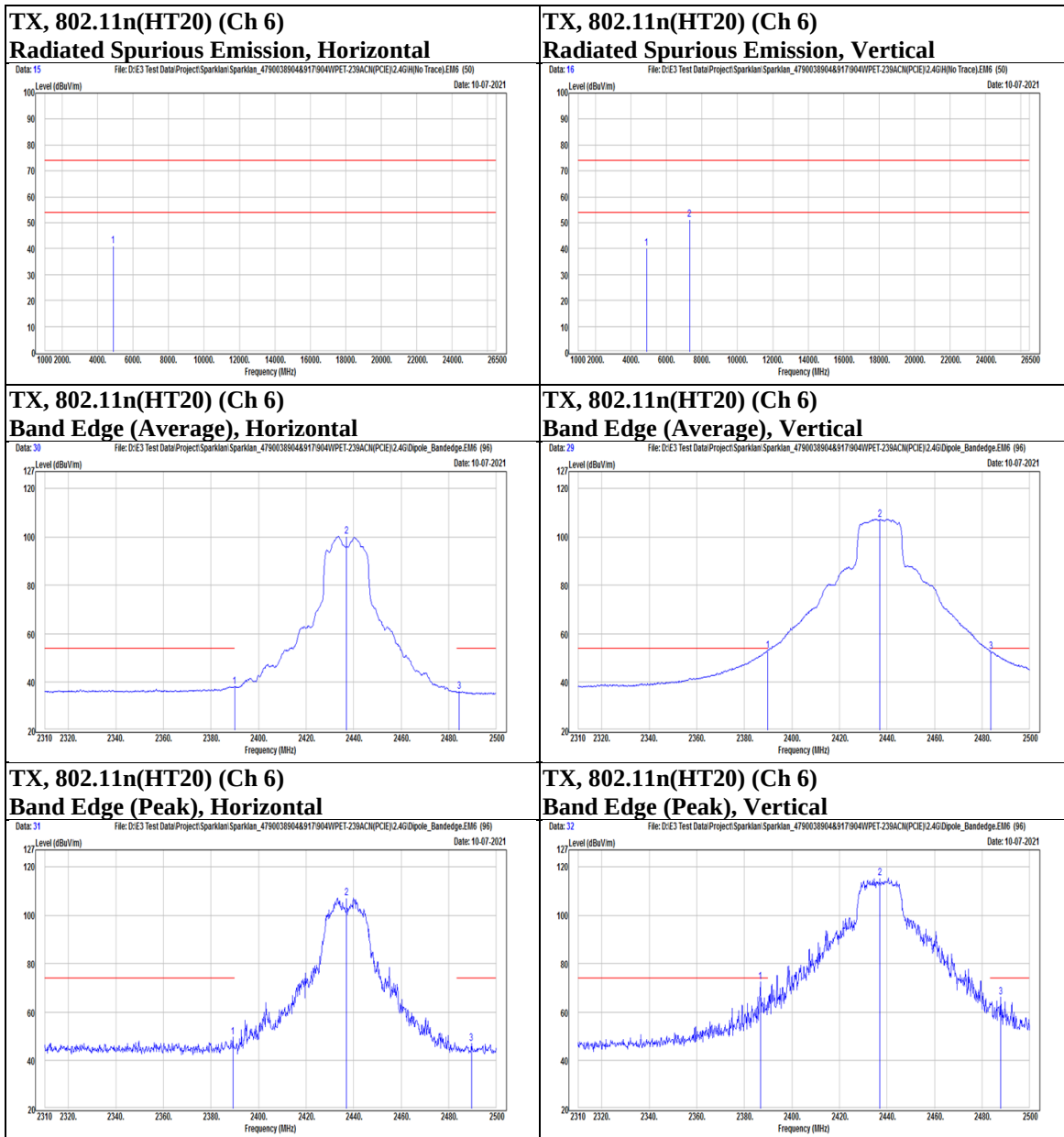
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Mode	802.11n(HT20)	Channel	10
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2457	95.85	6.12	101.97	N/A	N/A	PK
	@	2457	87.52	6.12	93.64	N/A	N/A	AVG
		2484.23	30.16	6.1	36.26	54	-17.74	AVG
		2488.6	40.26	6.1	46.36	74	-27.64	PK
	*	4914	34.73	2.63	37.36	74	-36.64	PK
Vertical	@	2457	105.92	6.12	112.04	N/A	N/A	PK
	@	2457	98.9	6.12	105.02	N/A	N/A	AVG
		2483.66	46.71	6.1	52.81	54	-1.19	AVG
		2484.04	57.7	6.1	63.8	74	-10.2	PK
	*	4914	35.46	2.63	38.09	74	-35.91	PK

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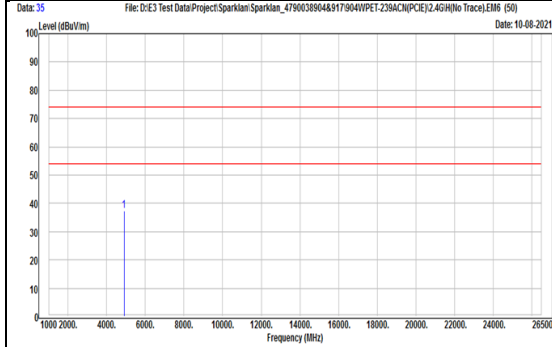
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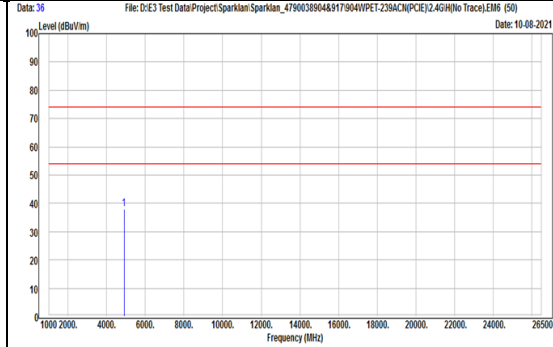
TX, 802.11n(HT20) (Ch 10)

Radiated Spurious Emission, Horizontal



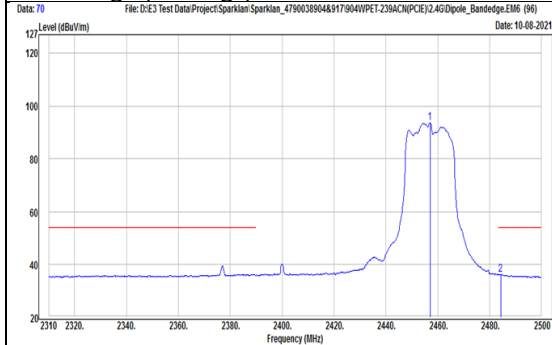
TX, 802.11n(HT20) (Ch 10)

Radiated Spurious Emission, Vertical



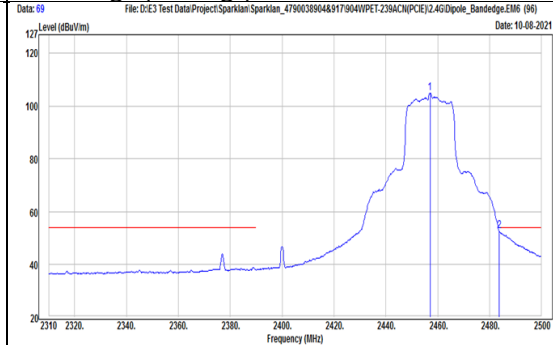
TX, 802.11n(HT20) (Ch 10)

Band Edge (Average), Horizontal



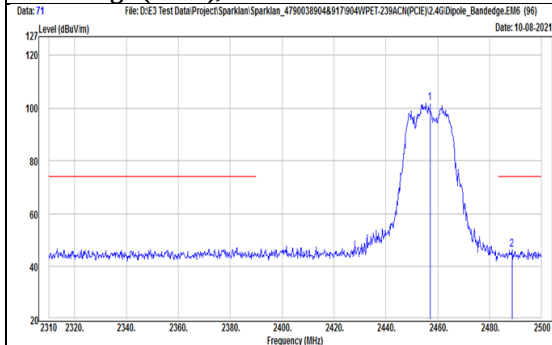
TX, 802.11n(HT20) (Ch 10)

Band Edge (Average), Vertical



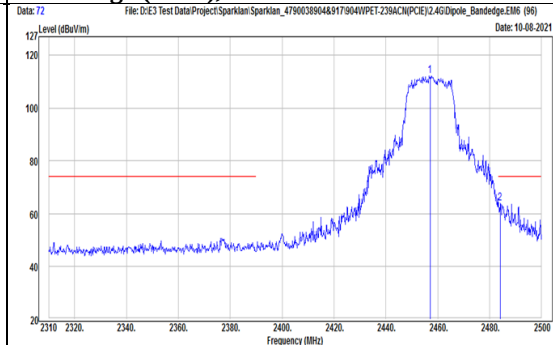
TX, 802.11n(HT20) (Ch 10)

Band Edge (Peak), Horizontal



TX, 802.11n(HT20) (Ch 10)

Band Edge (Peak), Vertical



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Doc No: 17-EM-F0876 / 6.0



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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	91.04	6.12	97.16	N/A	N/A	PK
	@	2462	82.4	6.12	88.52	N/A	N/A	AVG
		2483.66	29.81	6.1	35.91	54	-18.09	AVG
		2485.56	40.91	6.1	47.01	74	-26.99	PK
	*	4924	37.3	2.61	39.91	74	-34.09	PK
Vertical	@	2462	102.79	6.12	108.91	N/A	N/A	PK
	@	2462	95.09	6.12	101.21	N/A	N/A	AVG
		2483.66	46.86	6.1	52.96	54	-1.04	AVG
		2484.61	63.23	6.1	69.33	74	-4.67	PK
	*	4924	36.93	2.61	39.54	74	-34.46	PK

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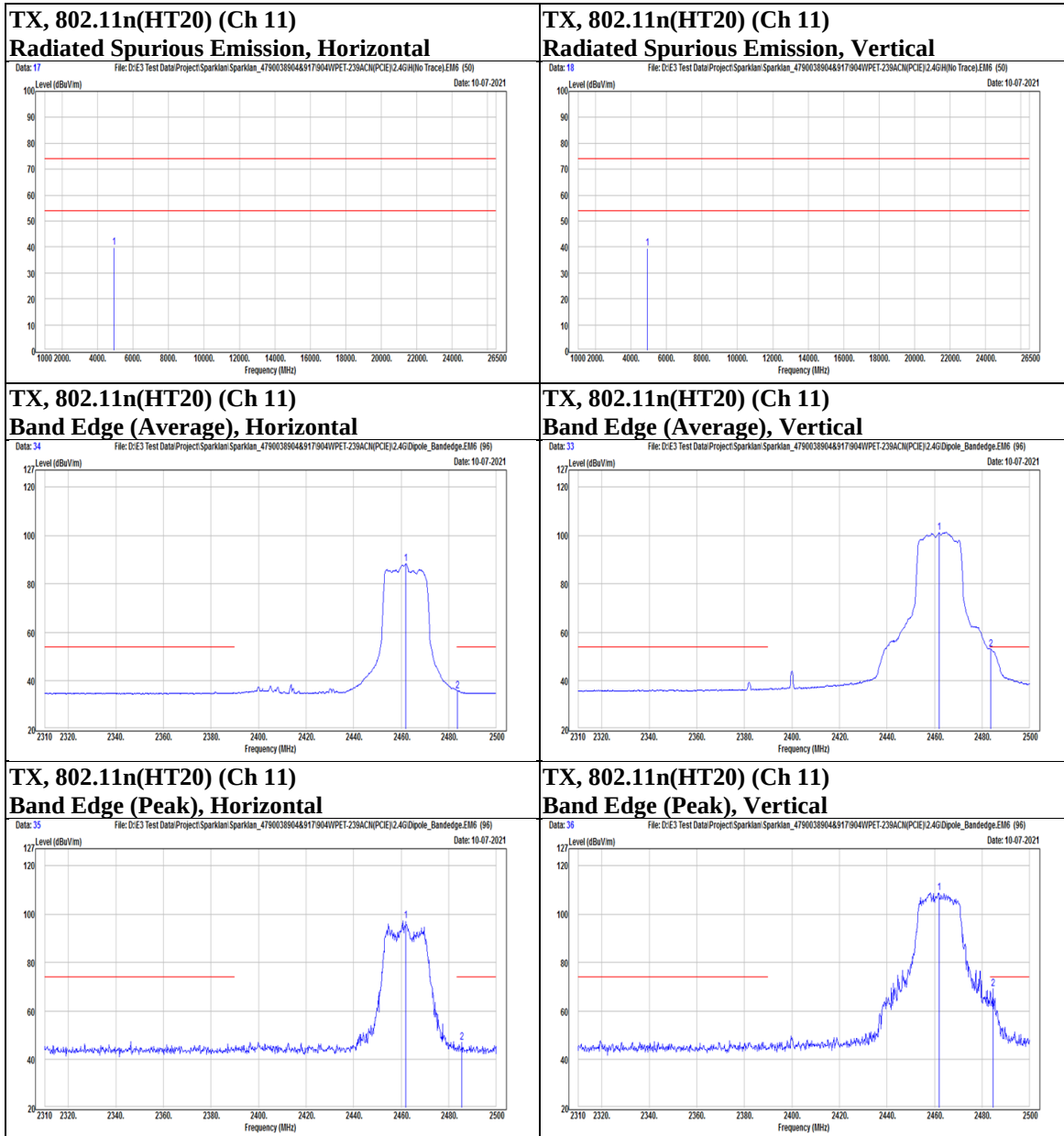
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Mode	802.11n(HT40)	Channel	3
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2324.63	40.88	6.14	47.02	74	-26.98	PK
		2386.19	30.82	6.09	36.91	54	-17.09	AVG
	@	2422	88.61	6.13	94.74	N/A	N/A	PK
	@	2422	80.4	6.13	86.53	N/A	N/A	AVG
	*	4844	37.29	2.66	39.95	74	-34.05	PK
Vertical		2388.09	58.21	6.1	64.31	74	-9.69	PK
		2389.8	46.44	6.1	52.54	54	-1.46	AVG
	@	2422	99.85	6.13	105.98	N/A	N/A	PK
	@	2422	93.35	6.13	99.48	N/A	N/A	AVG
	*	4844	38.16	2.66	40.82	74	-33.18	PK

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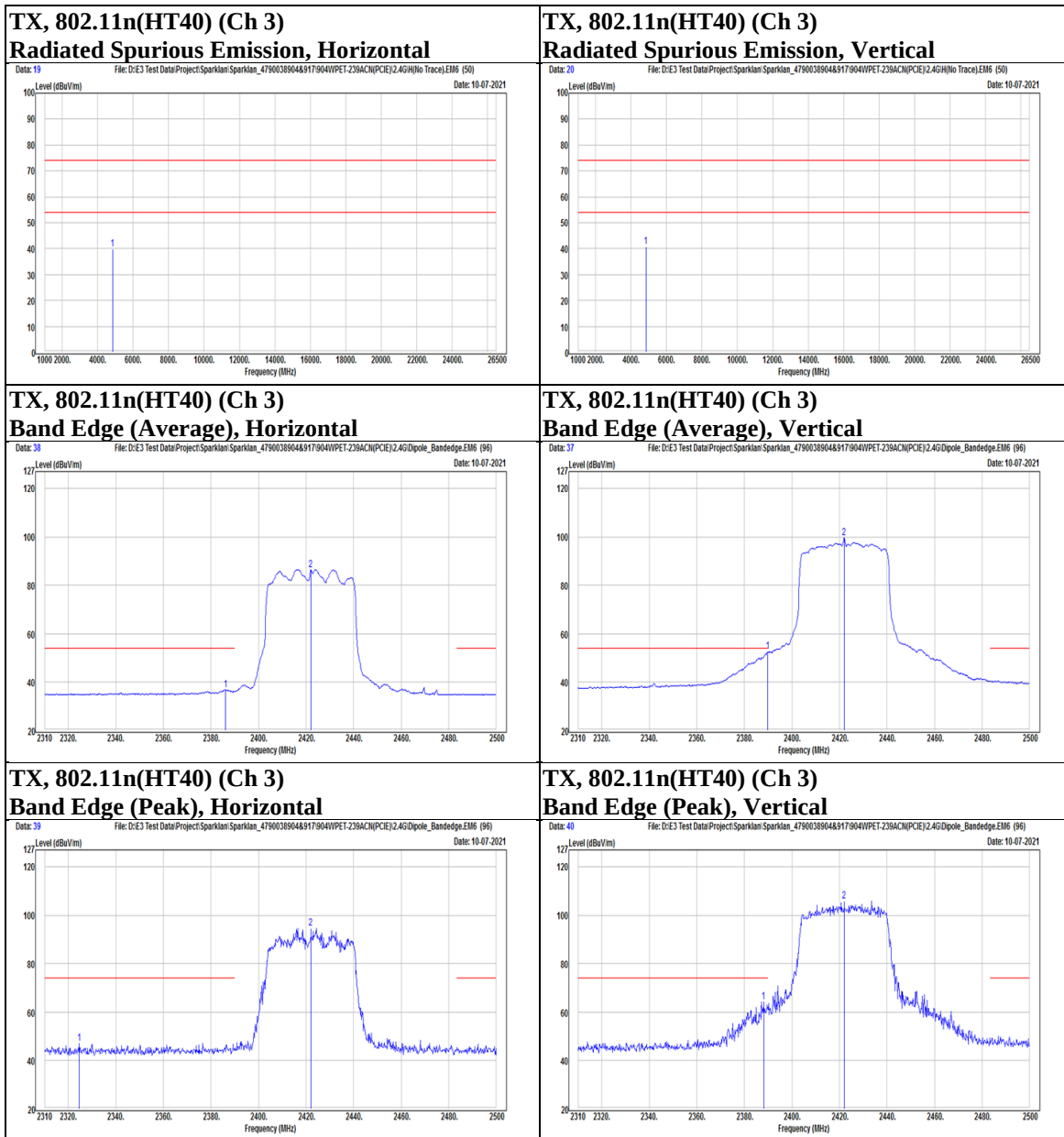
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Mode	802.11n(HT40)	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2345.15	42.32	6.05	48.37	74	-25.63	PK
		2388.47	30.98	6.1	37.08	54	-16.92	AVG
	@	2437	90.06	6.12	96.18	N/A	N/A	PK
	@	2437	82.79	6.12	88.91	N/A	N/A	AVG
		2484.04	29.46	6.1	35.56	54	-18.44	AVG
		2485.56	39.56	6.1	45.66	74	-28.34	PK
	*	4874	37.76	2.66	40.42	74	-33.58	PK
Vertical		2389.42	57.59	6.1	63.69	74	-10.31	PK
		2389.99	45.28	6.1	51.38	54	-2.62	AVG
	@	2437	102.11	6.12	108.23	N/A	N/A	PK
	@	2437	94.08	6.12	100.2	N/A	N/A	AVG
		2483.66	46.76	6.1	52.86	54	-1.14	AVG
		2484.42	56.47	6.1	62.57	74	-11.43	PK
	*	4874	37.53	2.66	40.19	74	-33.81	PK

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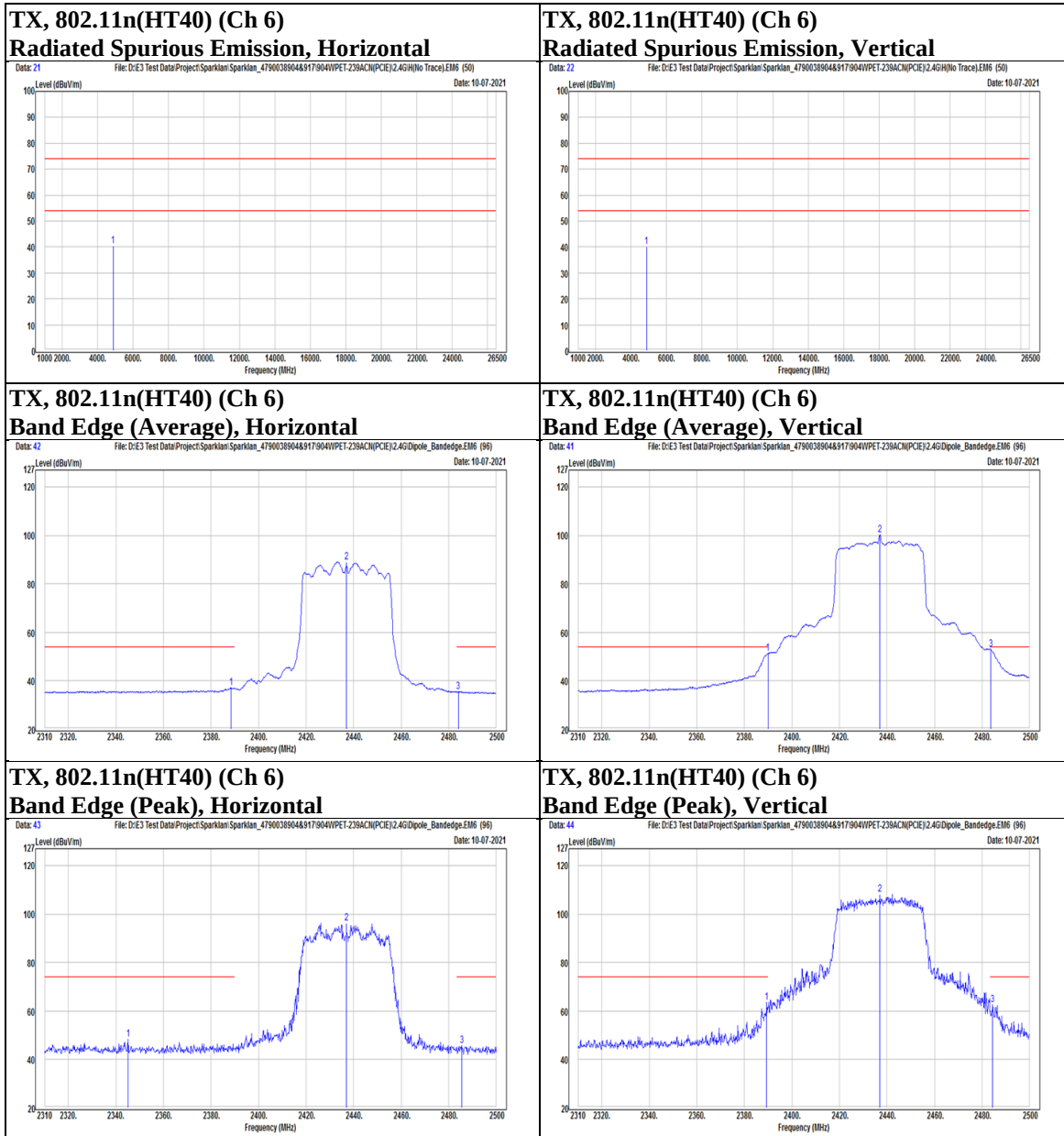
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Mode	802.11n(HT40)	Channel	9
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2452	86.78	6.12	92.9	N/A	N/A	PK
	@	2452	80.79	6.12	86.91	N/A	N/A	AVG
		2483.66	30.43	6.1	36.53	54	-17.47	AVG
		2492.78	40.08	6.1	46.18	74	-27.82	PK
	*	4904	36.94	2.63	39.57	74	-34.43	PK
Vertical	@	2452	98.32	6.12	104.44	N/A	N/A	PK
	@	2452	92.41	6.12	98.53	N/A	N/A	AVG
		2484.23	58.87	6.1	64.97	74	-9.03	PK
		2484.99	46.34	6.1	52.44	54	-1.56	AVG
	*	4904	36.81	2.63	39.44	74	-34.56	PK

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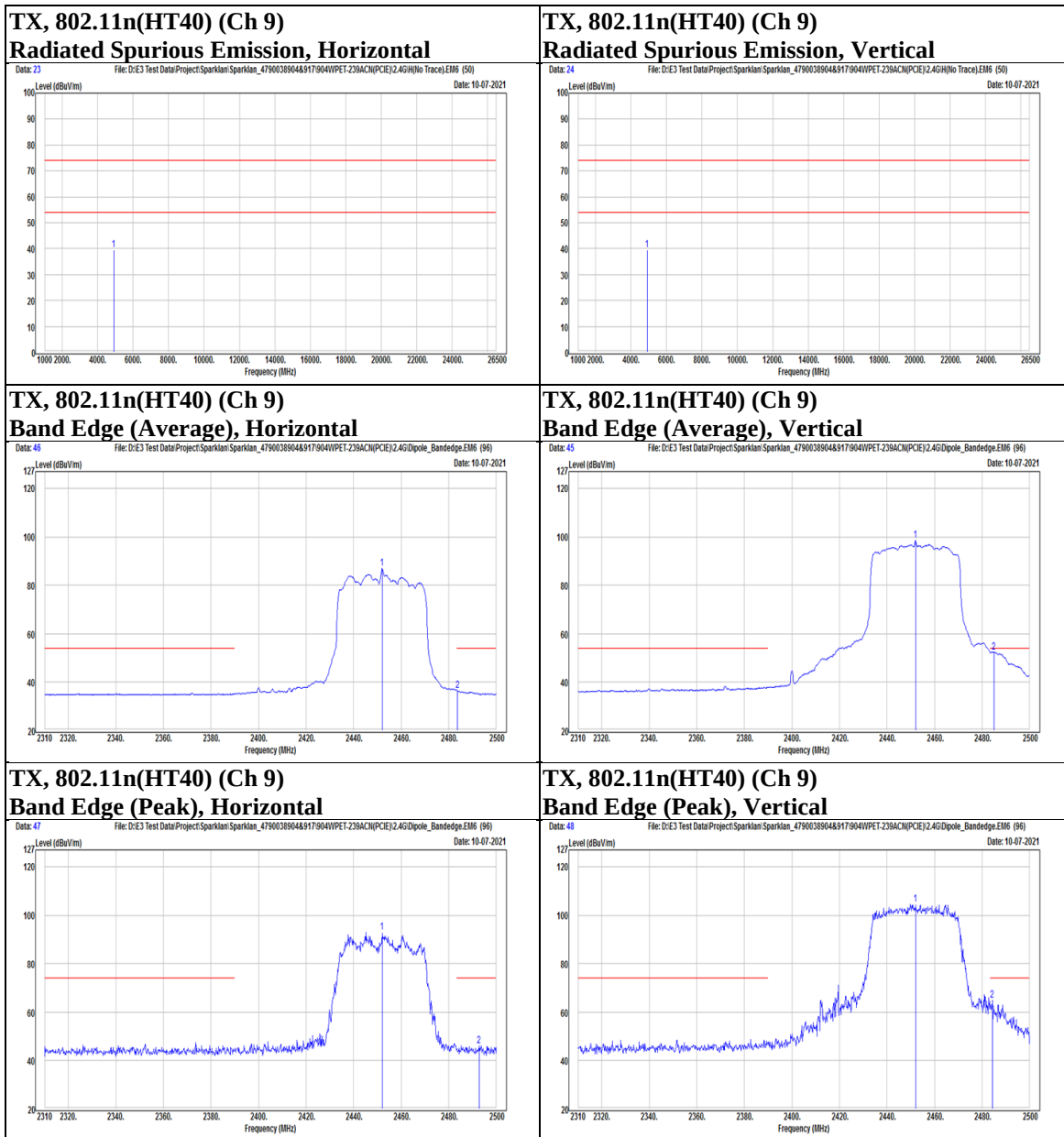
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Below 1G

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	42.03	-16	26.03	40	-13.97	PK
		206.54	47.89	-13.89	34	43.5	-9.5	PK
		234.67	42.61	-12.27	30.34	46	-15.66	PK
		364.65	40.06	-8.01	32.05	46	-13.95	PK
		480.08	37.59	-5.19	32.4	46	-13.6	PK
		960.23	32.35	3.89	36.24	54	-17.76	PK
Vertical		32.91	39.28	-12.4	26.88	40	-13.12	PK
		78.5	41.48	-16	25.48	40	-14.52	PK
		177.44	37.64	-12.19	25.45	43.5	-18.05	PK
		323.91	36.69	-9.18	27.51	46	-18.49	PK
		481.05	42.11	-5.15	36.96	46	-9.04	PK
		960.23	33.61	3.89	37.5	54	-16.5	PK

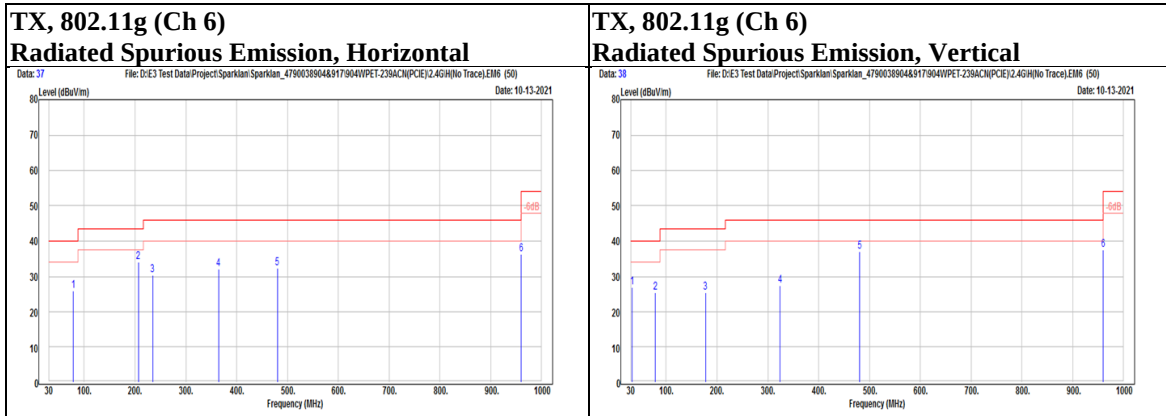
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9.6. AC Power Line Conducted Emission

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 (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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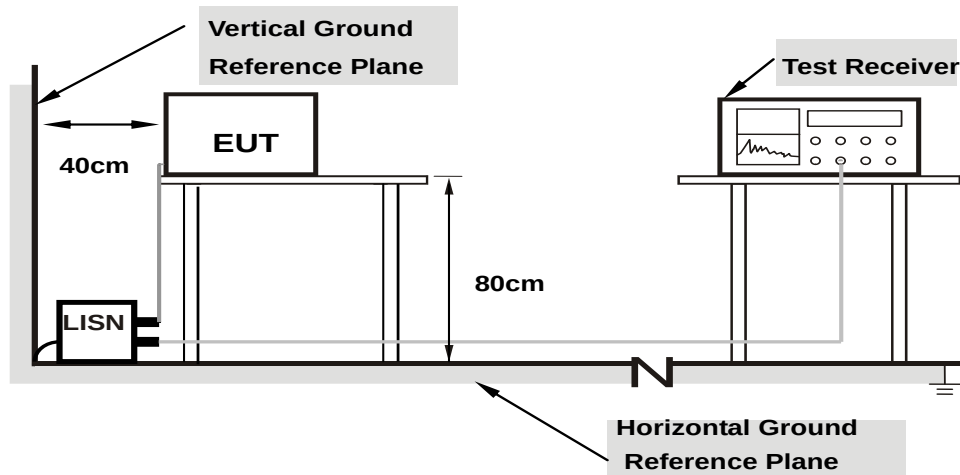
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Test Setup



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

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

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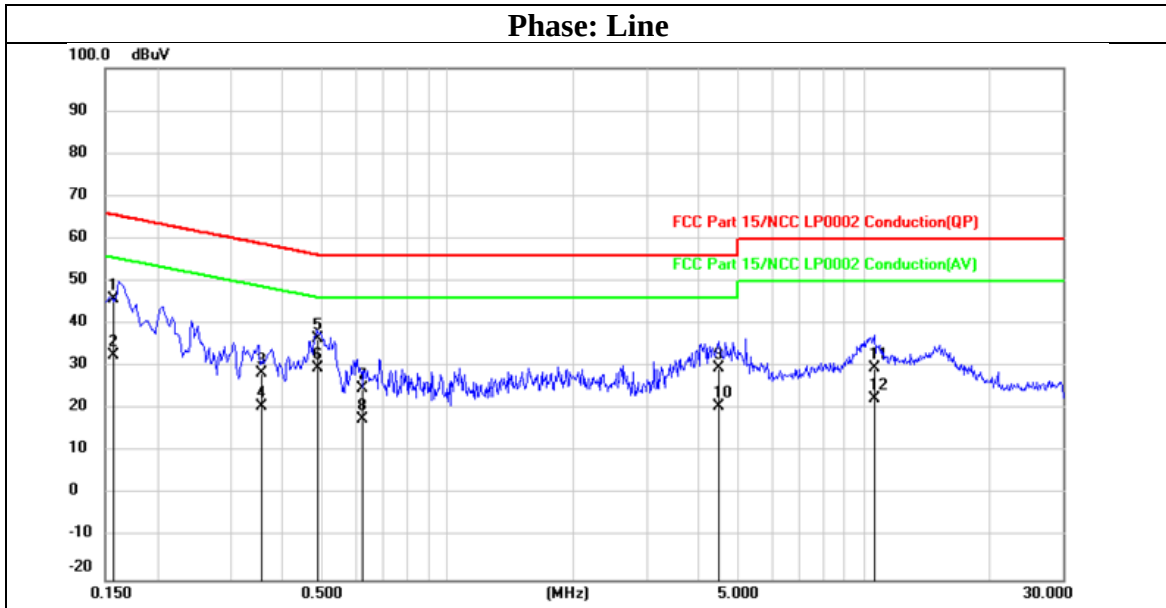
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Test Data

Mode	TX_WLAN 2.4G	Channel	6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1572	26.33	19.49	45.82	65.61	-19.79	QP
2	0.1572	13.05	19.49	32.54	55.61	-23.07	AVG
3	0.3546	8.96	19.49	28.45	58.85	-30.40	QP
4	0.3546	1.15	19.49	20.64	48.85	-28.21	AVG
5	0.4881	17.07	19.49	36.56	56.20	-19.64	QP
6	0.4881	10.31	19.49	29.80	46.20	-16.40	AVG
7	0.6182	5.42	19.50	24.92	56.00	-31.08	QP
8	0.6182	-1.81	19.50	17.69	46.00	-28.31	AVG
9	4.4894	9.93	19.58	29.51	56.00	-26.49	QP
10	4.4894	1.15	19.58	20.73	46.00	-25.27	AVG
11	10.6124	9.89	19.70	29.59	60.00	-30.41	QP
12	10.6124	2.84	19.70	22.54	50.00	-27.46	AVG

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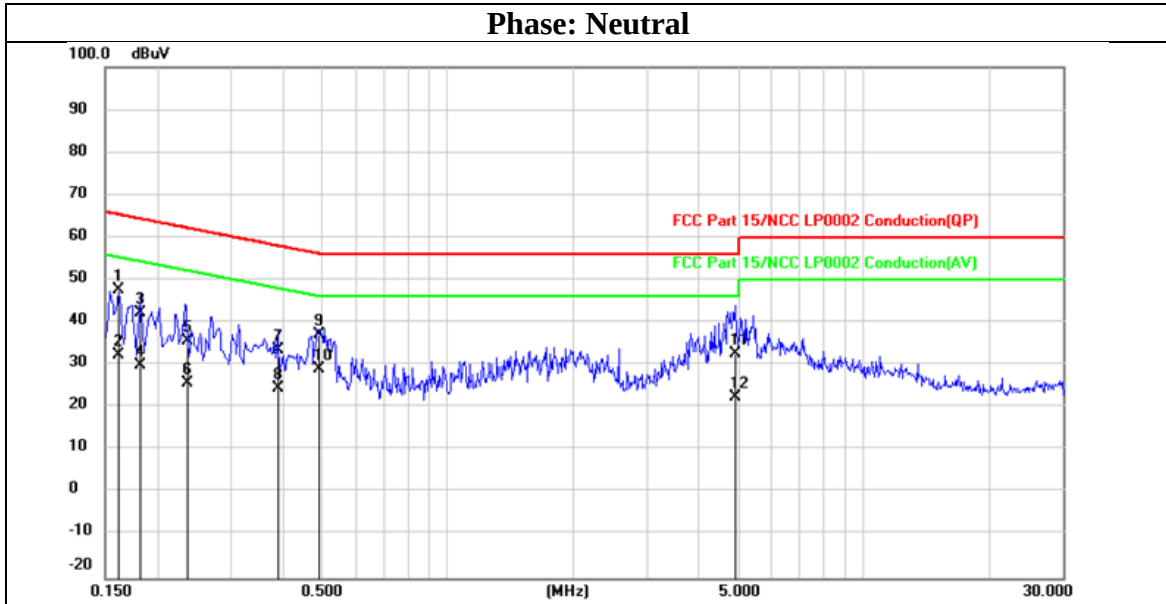
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Mode	TX_WLAN 2.4G	Channel	6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1609	28.16	19.49	47.65	65.42	-17.77	QP
2	0.1609	12.90	19.49	32.39	55.42	-23.03	AVG
3	0.1830	22.78	19.49	42.27	64.35	-22.08	QP
4	0.1830	10.34	19.49	29.83	54.35	-24.52	AVG
5	0.2364	16.06	19.49	35.55	62.22	-26.67	QP
6	0.2364	6.40	19.49	25.89	52.22	-26.33	AVG
7	0.3885	14.11	19.49	33.60	58.10	-24.50	QP
8	0.3885	5.08	19.49	24.57	48.10	-23.53	AVG
9	0.4866	17.77	19.49	37.26	56.23	-18.97	QP
10	0.4866	9.54	19.49	29.03	46.23	-17.20	AVG
11	4.8785	13.19	19.60	32.79	56.00	-23.21	QP
12	4.8785	2.79	19.60	22.39	46.00	-23.61	AVG

END OF REPORT

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