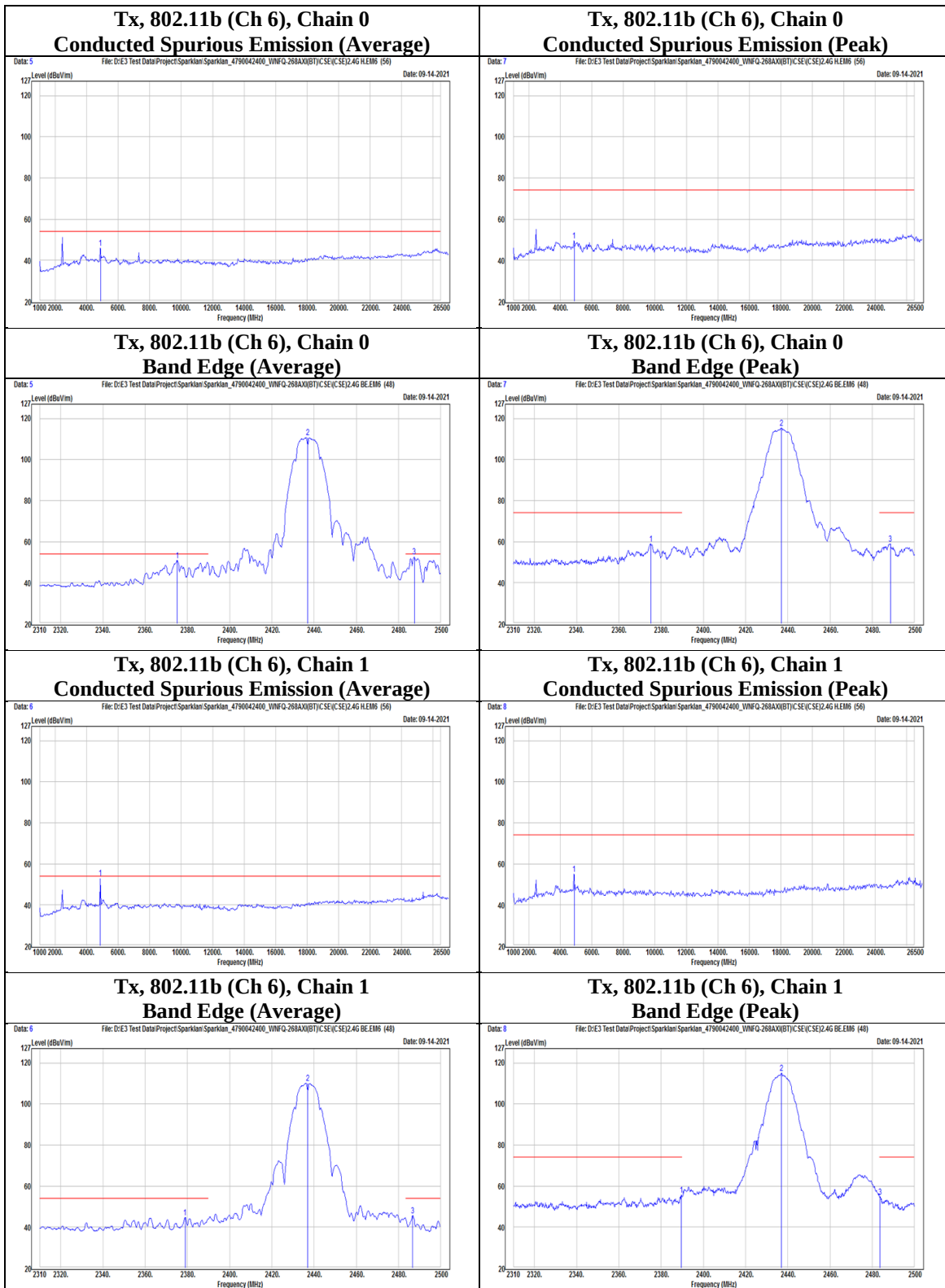




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Mode	802.11b	Channel	11
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TX Chain	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Chain 0	@	2462	126.06	-11.74	114.32	N/A	N/A	PK
	@	2462	121.51	-11.74	109.77	N/A	N/A	AVG
		2486.13	70.39	-11.74	58.65	74	-15.35	PK
		2490.5	64.44	-11.74	52.7	54	-1.3	AVG
		4924	62.34	-11.74	50.6	74	-23.4	PK
		4924	59.52	-11.74	47.78	54	-6.22	AVG
Chain 1	@	2462	124.78	-11.74	113.04	N/A	N/A	PK
	@	2462	120.77	-11.74	109.03	N/A	N/A	AVG
		2499.24	77.45	-11.74	65.71	74	-8.29	PK
		2499.81	60.96	-11.74	49.22	54	-4.78	AVG
		4924	59.33	-11.74	47.59	74	-26.41	PK
		4924	54.33	-11.74	42.59	54	-11.41	AVG

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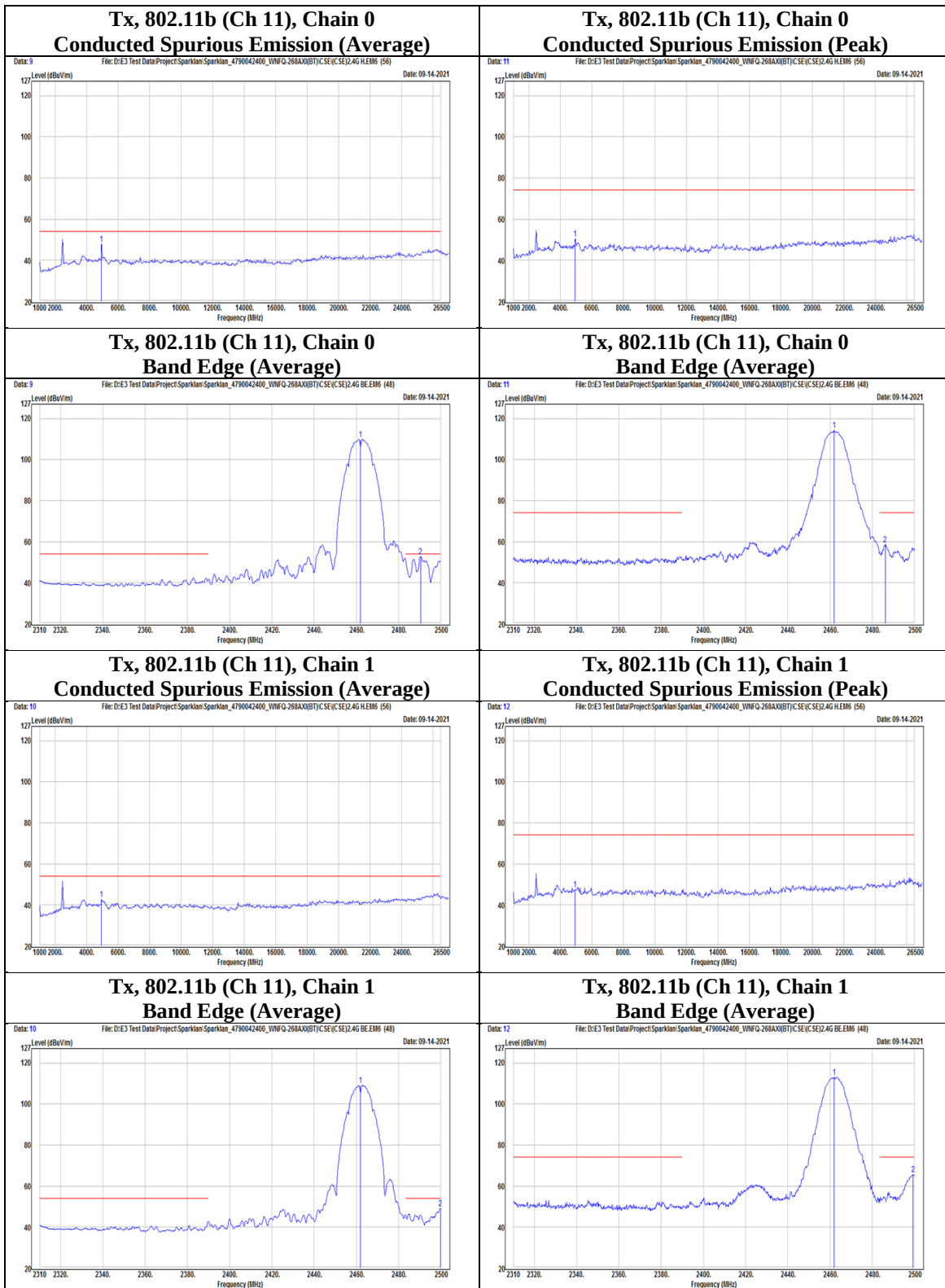
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Mode	802.11g	Channel	1
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0		2389.99	77.76	-11.74	66.02	74	-7.98	PK
		2389.99	64.86	-11.74	53.12	54	-0.88	AVG
	@	2412	126.52	-11.74	114.78	N/A	N/A	PK
	@	2412	116.98	-11.74	105.24	N/A	N/A	AVG
		4824	61.76	-11.74	50.02	74	-23.98	PK
		4824	56.71	-11.74	44.97	54	-9.03	AVG
Chain 1		2389.8	75.65	-11.74	63.91	74	-10.09	PK
		2389.99	60.85	-11.74	49.11	54	-4.89	AVG
	@	2412	126.1	-11.74	114.36	N/A	N/A	PK
	@	2412	116.3	-11.74	104.56	N/A	N/A	AVG
		4824	60	-11.74	48.26	74	-25.74	PK
		4824	54.05	-11.74	42.31	54	-11.69	AVG

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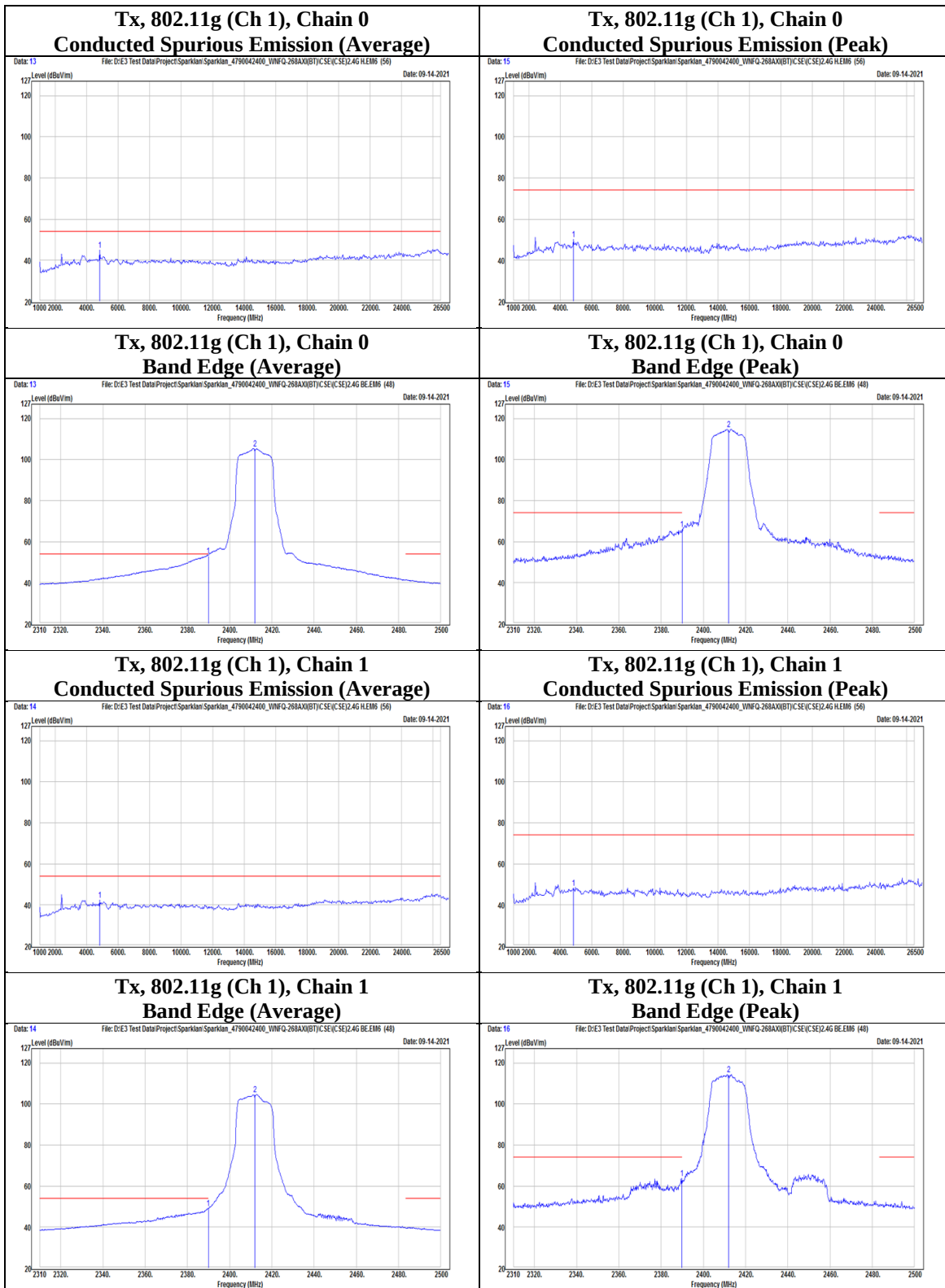
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Mode	802.11g	Channel	6
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0		2389.99	77.51	-11.74	65.77	74	-8.23	PK
		2389.99	64.79	-11.74	53.05	54	-0.95	AVG
	@	2437	129.64	-11.74	117.9	N/A	N/A	PK
	@	2437	120.58	-11.74	108.84	N/A	N/A	AVG
		2485.37	61.95	-11.74	50.21	54	-3.79	AVG
		2489.36	75.54	-11.74	63.8	74	-10.2	PK
		4874	62.47	-11.74	50.73	74	-23.27	PK
		4874	57.05	-11.74	45.31	54	-8.69	AVG
		2389.42	76.02	-11.74	64.28	74	-9.72	PK
Chain 1		2389.99	63.03	-11.74	51.29	54	-2.71	AVG
	@	2437	128.88	-11.74	117.14	N/A	N/A	PK
	@	2437	119.47	-11.74	107.73	N/A	N/A	AVG
		2483.66	76.98	-11.74	65.24	74	-8.76	PK
		2483.66	61.29	-11.74	49.55	54	-4.45	AVG
		4874	63.42	-11.74	51.68	74	-22.32	PK
		4874	57.05	-11.74	45.31	54	-8.69	AVG

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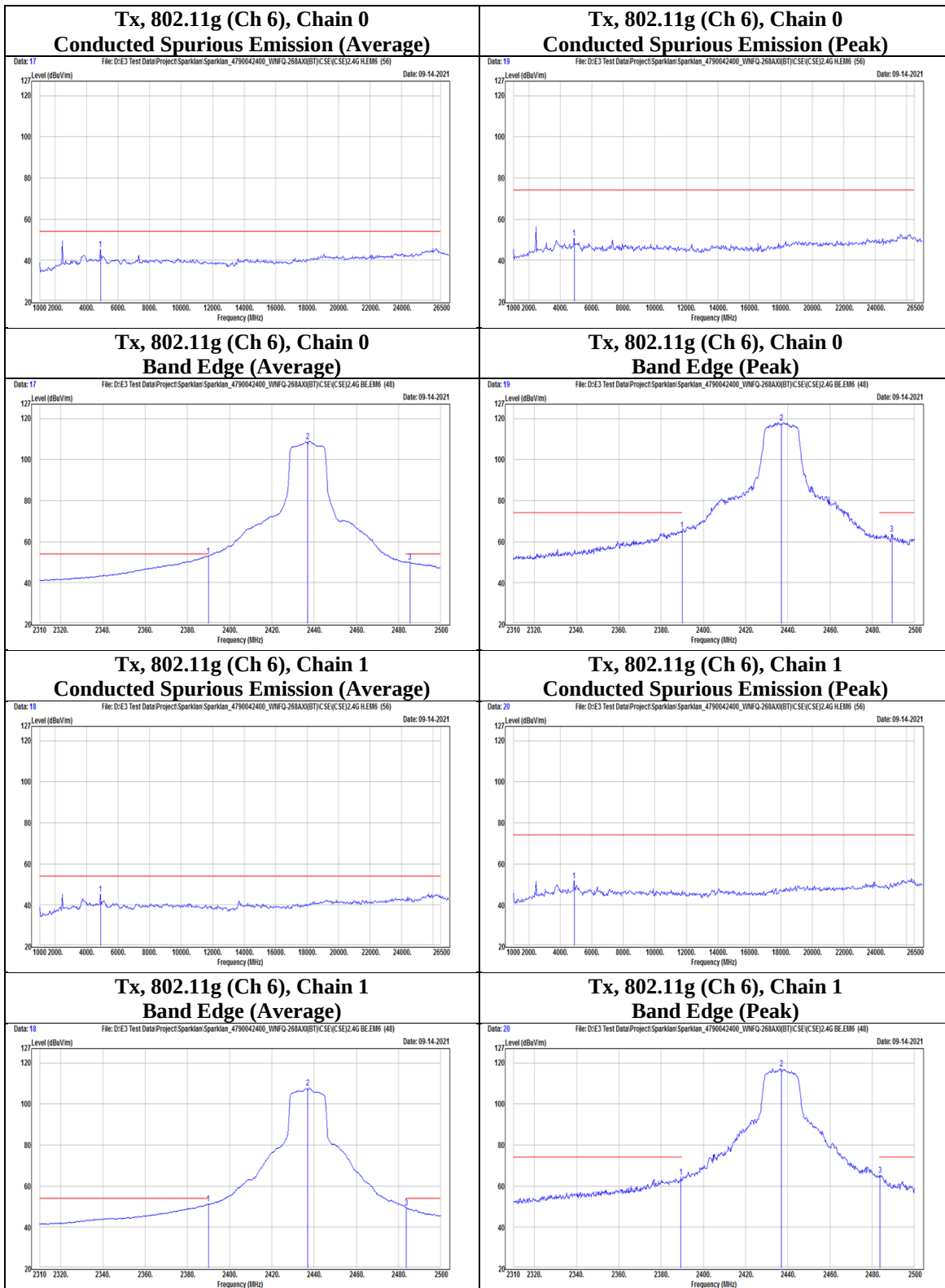
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Mode	802.11g	Channel	11
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0	@	2462	126.35	-11.74	114.61	N/A	N/A	PK
	@	2462	116.92	-11.74	105.18	N/A	N/A	AVG
		2484.04	77.51	-11.74	65.77	74	-8.23	PK
		2484.42	64.69	-11.74	52.95	54	-1.05	AVG
		4924	63.05	-11.74	51.31	74	-22.69	PK
		4924	56.37	-11.74	44.63	54	-9.37	AVG
Chain 1	@	2462	126.21	-11.74	114.47	N/A	N/A	PK
	@	2462	116.48	-11.74	104.74	N/A	N/A	AVG
		2483.66	60.14	-11.74	48.4	54	-5.6	AVG
		2499.24	77.99	-11.74	66.25	74	-7.75	PK
		4924	60.08	-11.74	48.34	74	-25.66	PK
		4924	53.67	-11.74	41.93	54	-12.07	AVG

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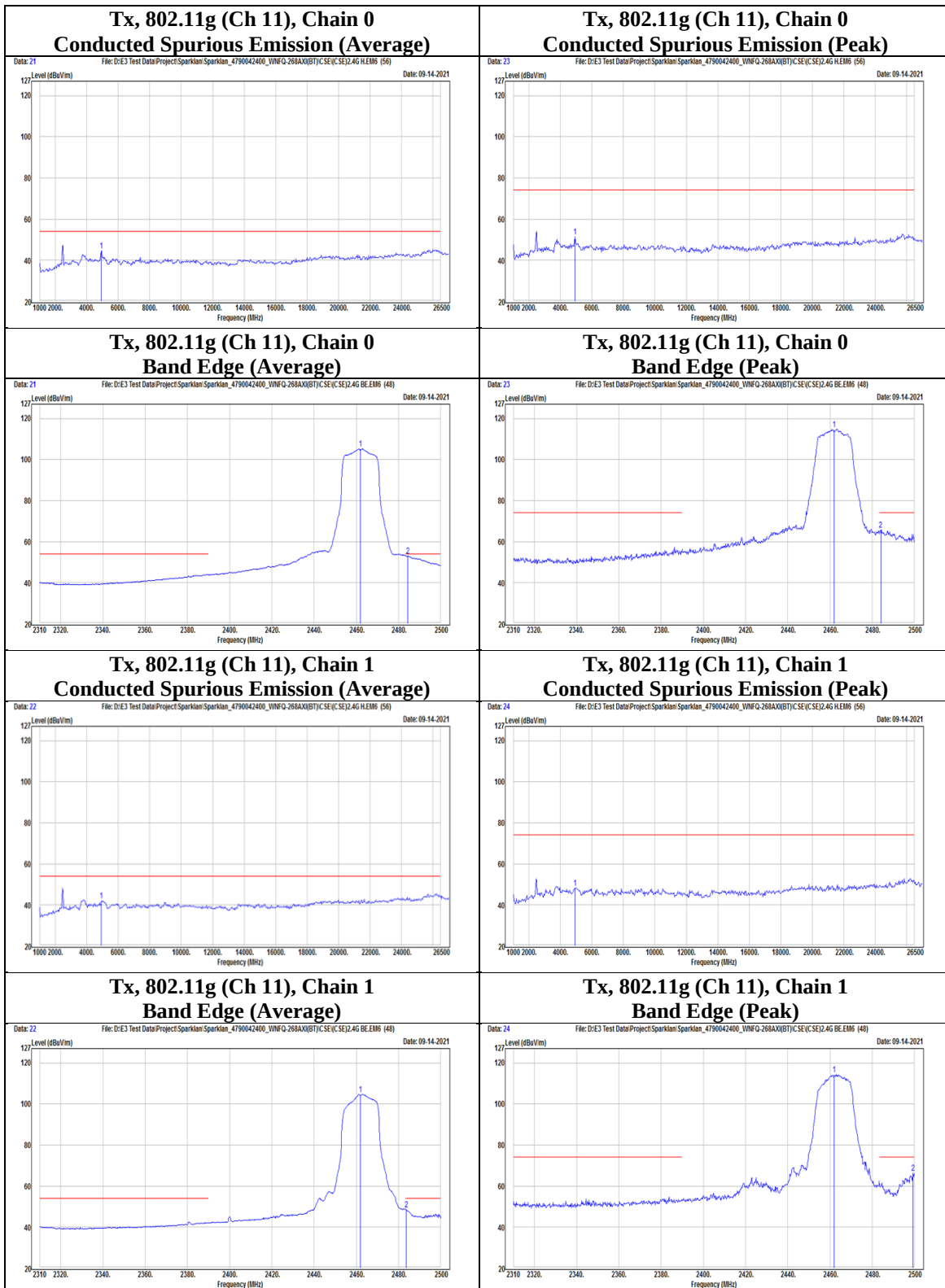
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Mode	802.11ax20	Channel	1
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0		2389.8	78.07	-11.74	66.33	74	-7.67	PK
		2389.99	64.95	-11.74	53.21	54	-0.79	AVG
	@	2412	127.47	-11.74	115.73	N/A	N/A	PK
	@	2412	114.88	-11.74	103.14	N/A	N/A	AVG
		4824	60.35	-11.74	48.61	74	-25.39	PK
		4824	54.62	-11.74	42.88	54	-11.12	AVG
Chain 1		2372.89	74.29	-11.74	62.55	74	-11.45	PK
		2389.99	60.96	-11.74	49.22	54	-4.78	AVG
	@	2412	127.35	-11.74	115.61	N/A	N/A	PK
	@	2412	114.27	-11.74	102.53	N/A	N/A	AVG
		4824	59.68	-11.74	47.94	74	-26.06	PK
		4824	52.57	-11.74	40.83	54	-13.17	AVG

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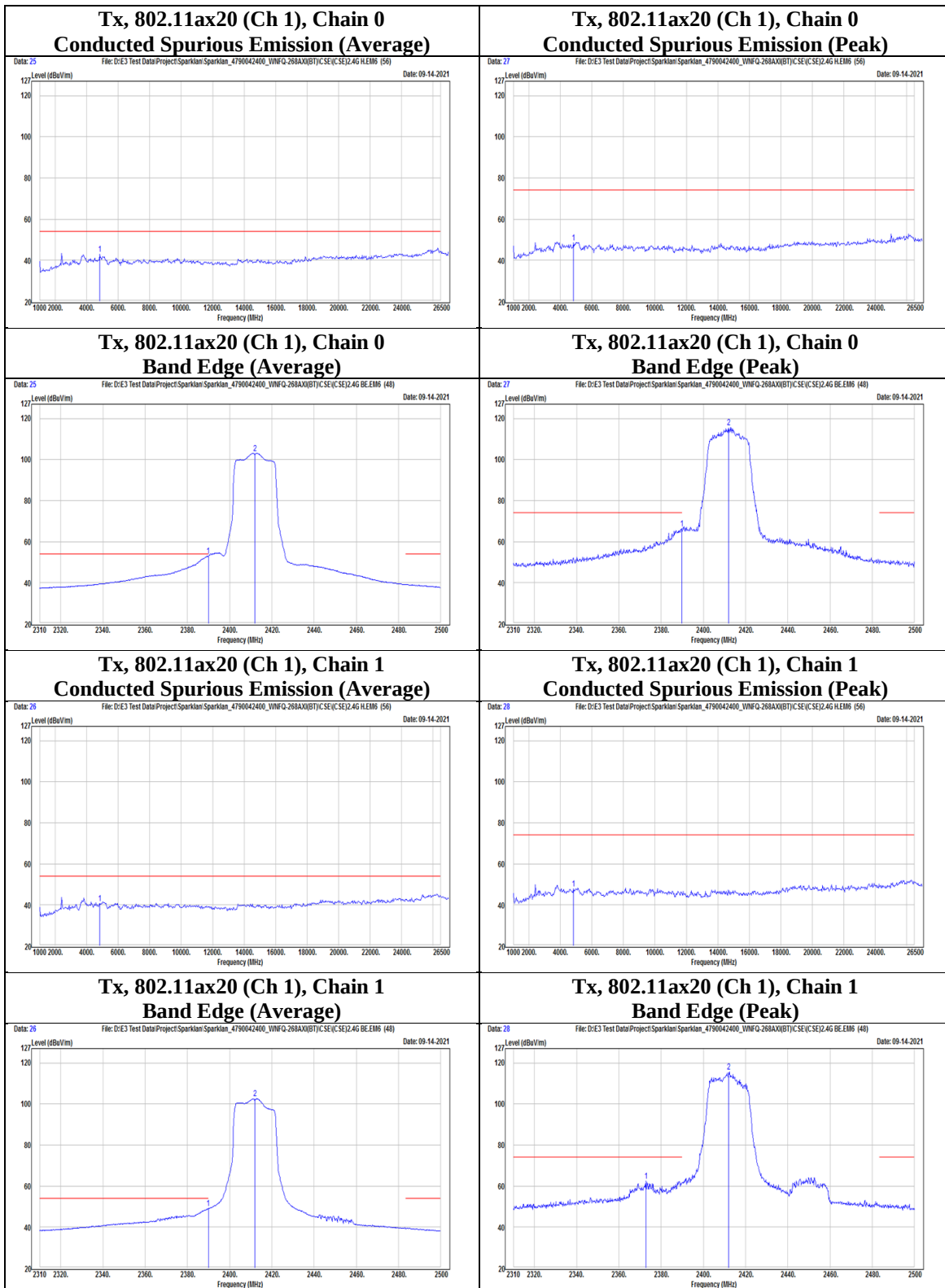
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Mode	802.11ax20	Channel	6
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0		2388.09	75.28	-11.74	63.54	74	-10.46	PK
		2389.8	64.4	-11.74	52.66	54	-1.34	AVG
	@	2437	130.92	-11.74	119.18	N/A	N/A	PK
	@	2437	120.11	-11.74	108.37	N/A	N/A	AVG
		2483.85	63.44	-11.74	51.7	54	-2.3	AVG
		2486.32	75.63	-11.74	63.89	74	-10.11	PK
		4874	62.75	-11.74	51.01	74	-22.99	PK
		4874	56.49	-11.74	44.75	54	-9.25	AVG
Chain 1		2389.42	74.75	-11.74	63.01	74	-10.99	PK
		2389.99	61.88	-11.74	50.14	54	-3.86	AVG
	@	2437	130.24	-11.74	118.5	N/A	N/A	PK
	@	2437	118.19	-11.74	106.45	N/A	N/A	AVG
		2483.66	75.05	-11.74	63.31	74	-10.69	PK
		2483.66	59.5	-11.74	47.76	54	-6.24	AVG
		4874	62.02	-11.74	50.28	74	-23.72	PK
		4874	55.98	-11.74	44.24	54	-9.76	AVG

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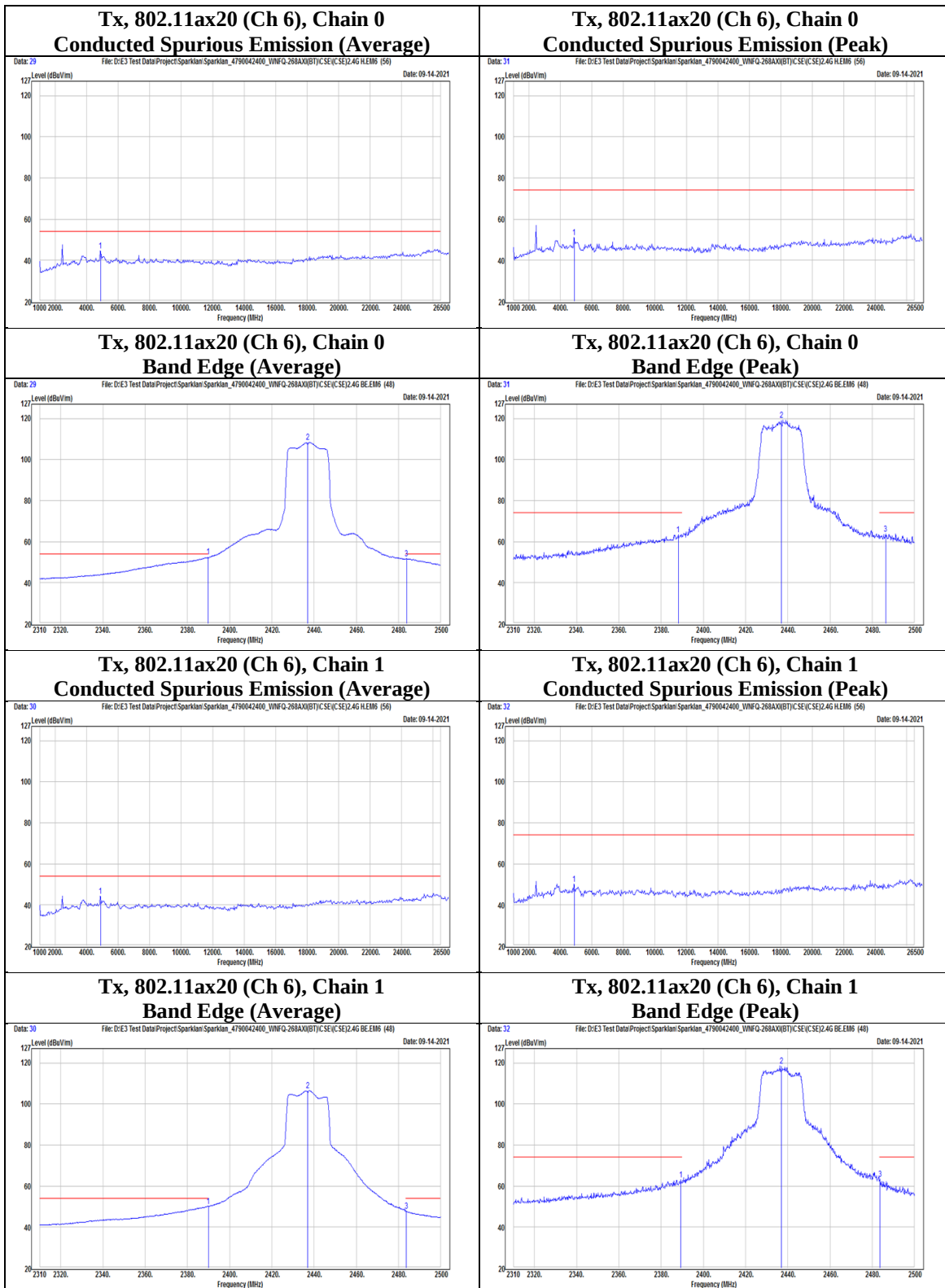
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Mode	802.11ax20	Channel	11
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0	@	2462	128.71	-11.74	116.97	N/A	N/A	PK
	@	2462	114.85	-11.74	103.11	N/A	N/A	AVG
		2484.04	64.71	-11.74	52.97	54	-1.03	AVG
		2485.56	78.34	-11.74	66.6	74	-7.4	PK
		4924	62.74	-11.74	51	74	-23	PK
		4924	55.7	-11.74	43.96	54	-10.04	AVG
Chain 1	@	2462	127.41	-11.74	115.67	N/A	N/A	PK
	@	2462	115.9	-11.74	104.16	N/A	N/A	AVG
		2483.66	62.19	-11.74	50.45	54	-3.55	AVG
		2499.62	76.94	-11.74	65.2	74	-8.8	PK
		4924	60.26	-11.74	48.52	74	-25.48	PK
		4924	52.73	-11.74	40.99	54	-13.01	AVG

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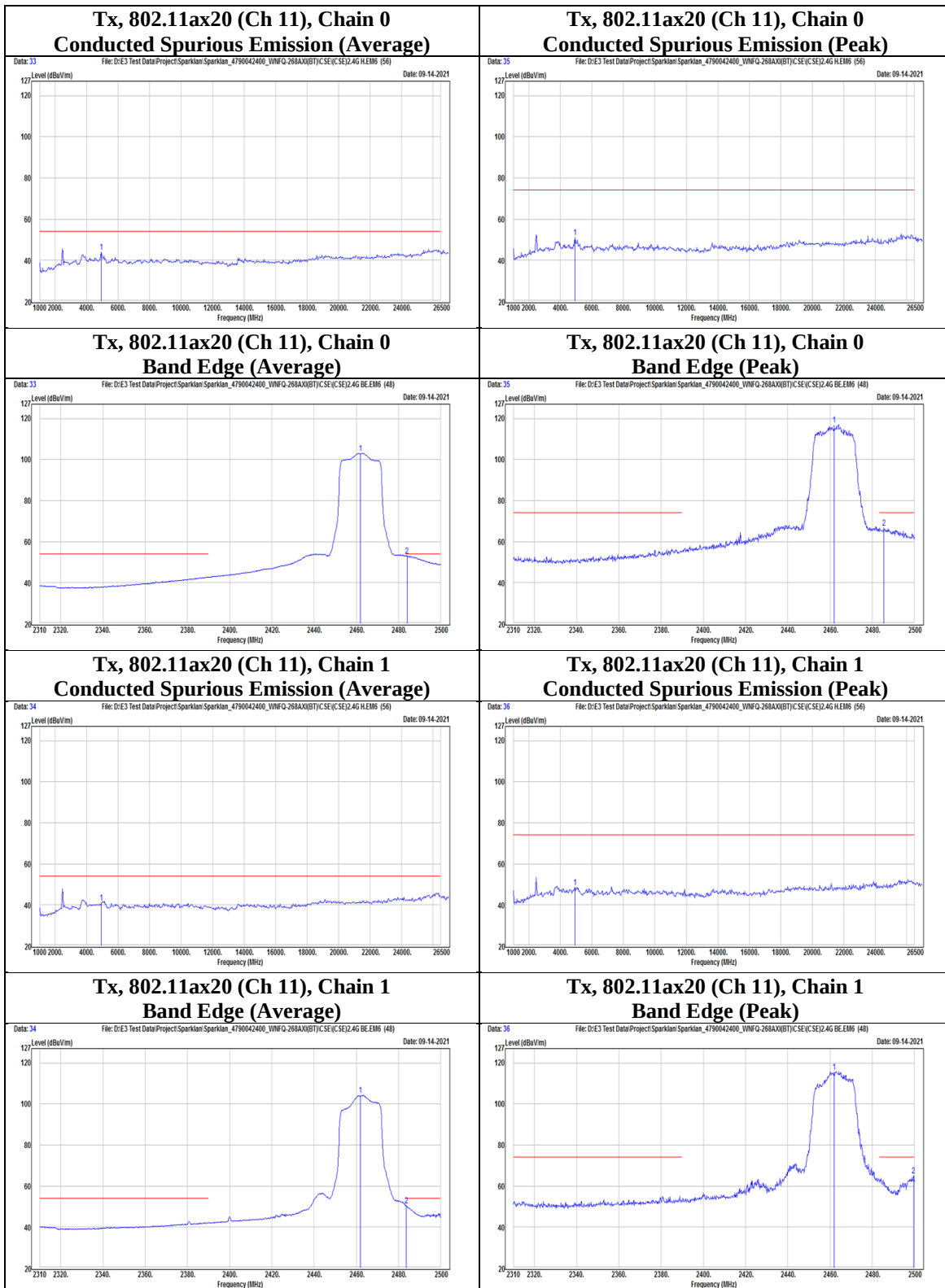
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Mode	802.11ax40	Channel	3
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0		2378.4	78.61	-11.74	66.87	74	-7.13	PK
		2389.8	64.9	-11.74	53.16	54	-0.84	AVG
	@	2422	123.25	-11.74	111.51	N/A	N/A	PK
	@	2422	110.88	-11.74	99.14	N/A	N/A	AVG
		4844	59.28	-11.74	47.54	74	-26.46	PK
		4844	52.64	-11.74	40.9	54	-13.1	AVG
Chain 1		2384.48	63.09	-11.74	51.35	54	-2.65	AVG
		2388.47	76.88	-11.74	65.14	74	-8.86	PK
	@	2422	122.3	-11.74	110.56	N/A	N/A	PK
	@	2422	109.85	-11.74	98.11	N/A	N/A	AVG
		4844	59.69	-11.74	47.95	74	-26.05	PK
		4844	52.74	-11.74	41	54	-13	AVG

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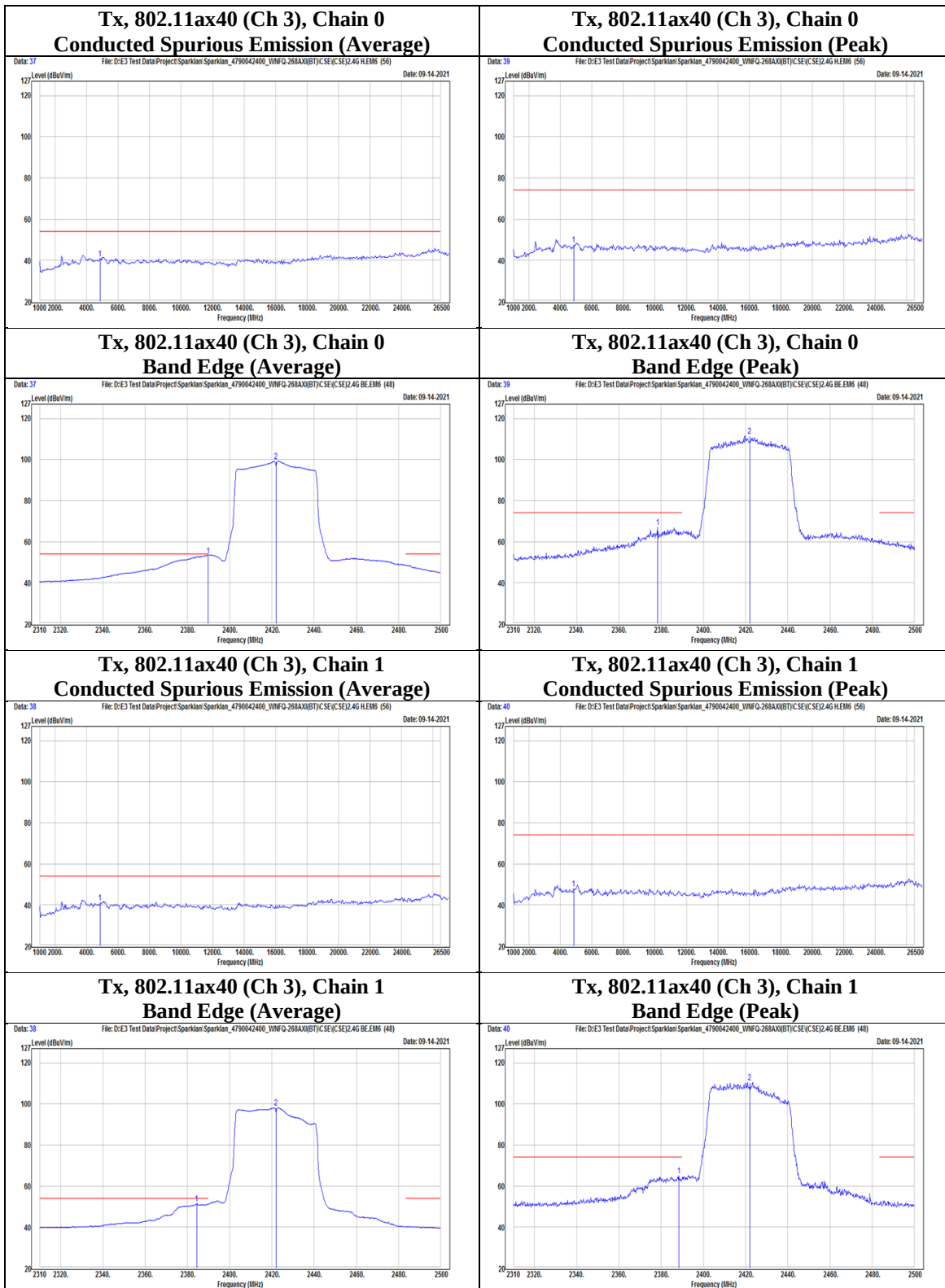
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Mode	802.11ax40	Channel	6
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0		2389.99	78.72	-11.74	66.98	74	-7.02	PK
		2389.99	64.77	-11.74	53.03	54	-0.97	AVG
	@	2437	124.31	-11.74	112.57	N/A	N/A	PK
	@	2437	111.7	-11.74	99.96	N/A	N/A	AVG
		2483.66	62.91	-11.74	51.17	54	-2.83	AVG
		2484.04	75.68	-11.74	63.94	74	-10.06	PK
		4874	60.02	-11.74	48.28	74	-25.72	PK
		4874	53.59	-11.74	41.85	54	-12.15	AVG
		2388.47	70.87	-11.74	59.13	74	-14.87	PK
Chain 1		2389.8	57.45	-11.74	45.71	54	-8.29	AVG
	@	2437	123.65	-11.74	111.91	N/A	N/A	PK
	@	2437	111.14	-11.74	99.4	N/A	N/A	AVG
		2483.85	72.6	-11.74	60.86	74	-13.14	PK
		2484.04	56.21	-11.74	44.47	54	-9.53	AVG
		4874	59.92	-11.74	48.18	74	-25.82	PK
		4874	53.5	-11.74	41.76	54	-12.24	AVG

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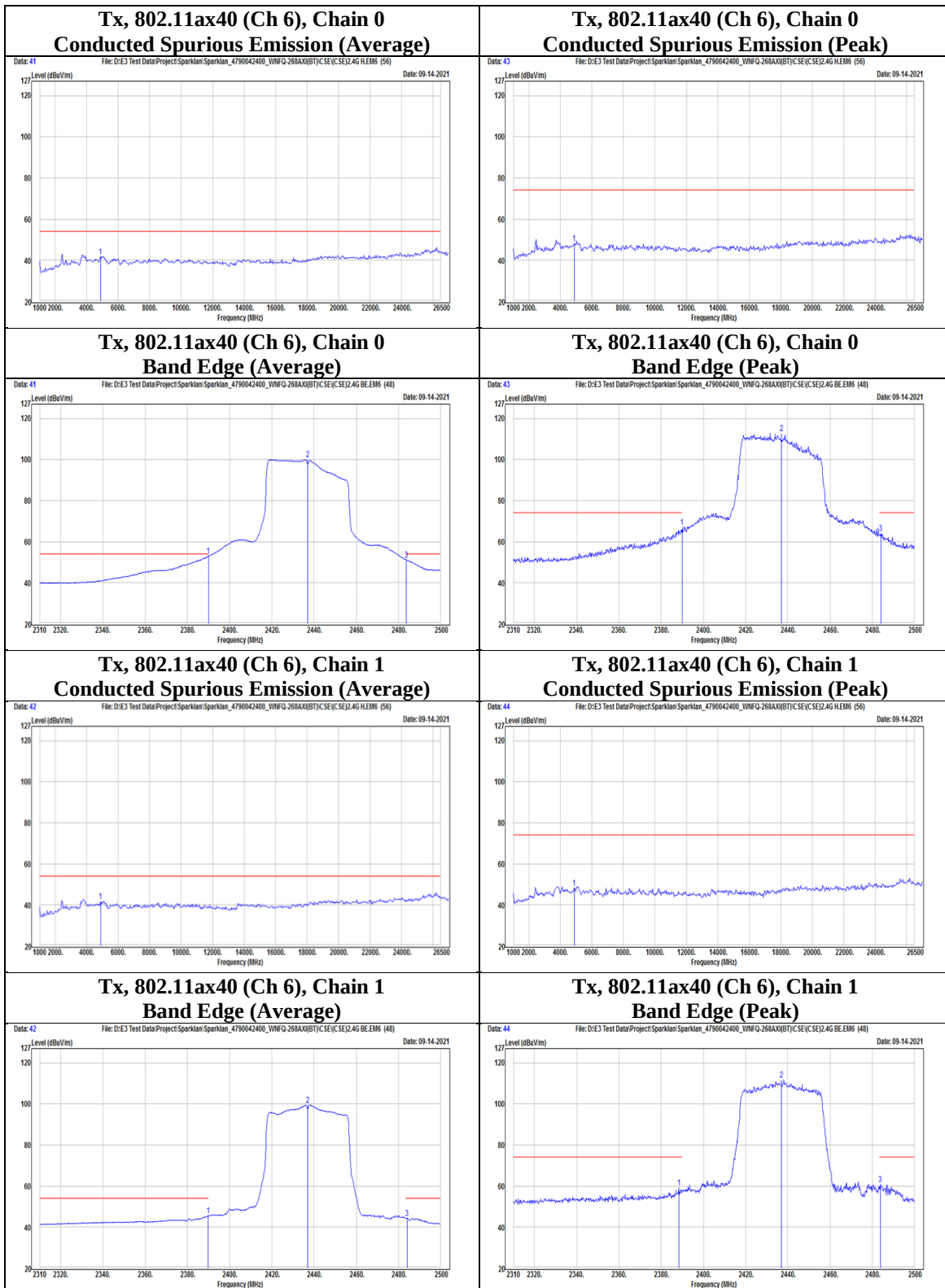
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Mode	802.11ax40	Channel	9
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0	@	2452	123.68	-11.74	111.94	N/A	N/A	PK
	@	2452	111.47	-11.74	99.73	N/A	N/A	AVG
		2487.46	76.48	-11.74	64.74	74	-9.26	PK
		2494.3	63.97	-11.74	52.23	54	-1.77	AVG
		4904	59.13	-11.74	47.39	74	-26.61	PK
		4904	53.63	-11.74	41.89	54	-12.11	AVG
Chain 1	@	2452	122.88	-11.74	111.14	N/A	N/A	PK
	@	2452	109.1	-11.74	97.36	N/A	N/A	AVG
		2486.13	64.82	-11.74	53.08	54	-0.92	AVG
		2486.32	79.19	-11.74	67.45	74	-6.55	PK
		4904	60.08	-11.74	48.34	74	-25.66	PK
		4904	52.89	-11.74	41.15	54	-12.85	AVG

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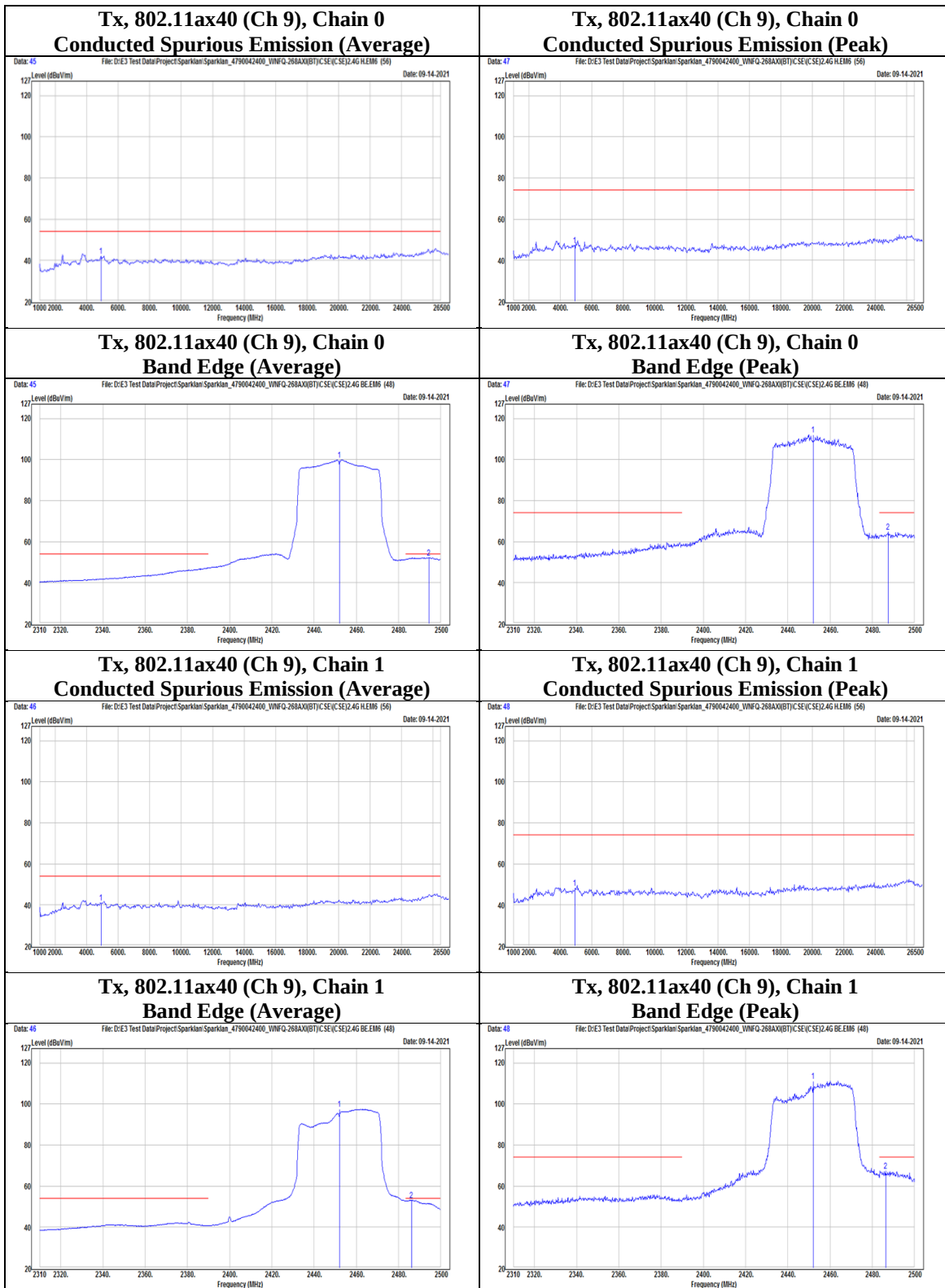
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Below 1 GHz

Mode	802.11b	Channel	6
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TX Chain	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Chain 0		53.28	21.64	-7.04	14.6	40	-25.4	PK
		182.29	21.89	-7.04	14.85	43.5	-28.65	PK
		449.04	22.9	-7.04	15.86	46	-30.14	PK
		519.85	23	-7.04	15.96	46	-30.04	PK
		960.23	25.22	-7.04	18.18	54	-35.82	PK
		960.23	25.22	-7.04	18.18	54	-35.82	PK
Chain 1		44.55	22.46	-7.04	15.42	40	-24.58	PK
		211.39	22.87	-7.04	15.83	43.5	-27.67	PK
		391.81	22.8	-7.04	15.76	46	-30.24	PK
		494.63	22.55	-7.04	15.51	46	-30.49	PK
		759.44	22.89	-7.04	15.85	46	-30.15	PK
		960.23	26.1	-7.04	19.06	54	-34.94	PK

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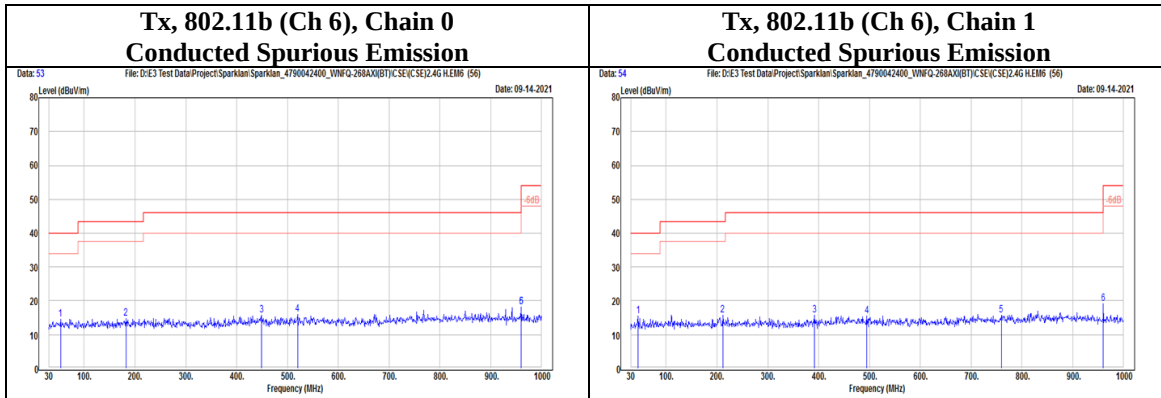
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9 kHz ~ 30 MHz Data:

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.

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9.6. AC Power Line Conducted Emission

Requirements

Frequency (MHz)	Conducted limit (dBμV)	
	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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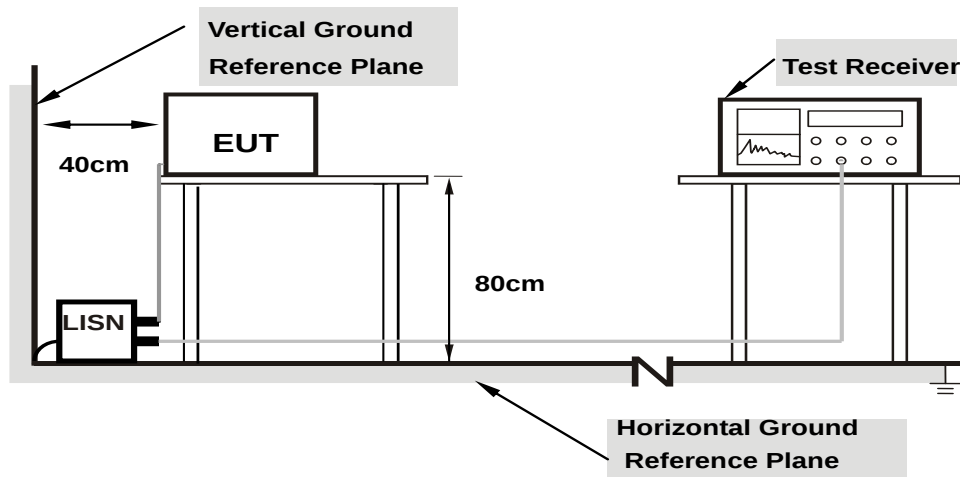
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Test Setup



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

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

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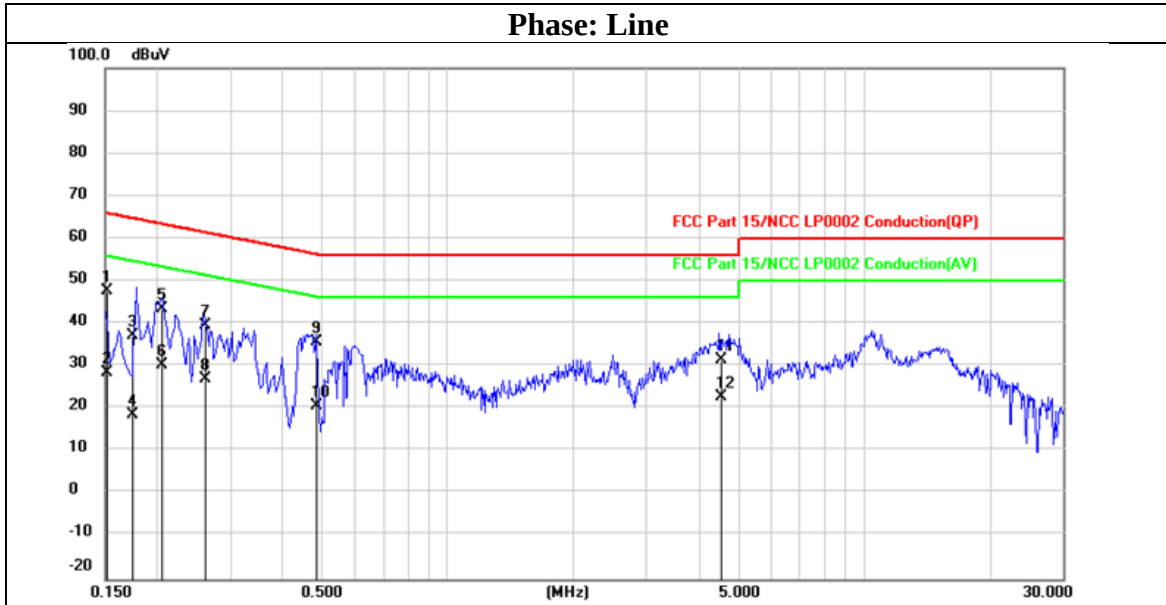
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Test Data

Mode	TX_802.11b	Channel	06
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1519	47.60	0.08	47.68	65.90	-18.22	QP
2	0.1519	28.41	0.08	28.49	55.90	-27.41	AVG
3	0.1743	37.01	0.08	37.09	64.75	-27.66	QP
4	0.1743	18.46	0.08	18.54	54.75	-36.21	AVG
5	0.2054	43.47	0.08	43.55	63.39	-19.84	QP
6	0.2054	30.05	0.08	30.13	53.39	-23.26	AVG
7	0.2626	39.42	0.08	39.50	61.35	-21.85	QP
8	0.2626	27.02	0.08	27.10	51.35	-24.25	AVG
9	0.4793	35.47	0.09	35.56	56.35	-20.79	QP
10	0.4793	20.60	0.09	20.69	46.35	-25.66	AVG
11	4.5306	31.30	0.21	31.51	56.00	-24.49	QP
12	4.5306	22.53	0.21	22.74	46.00	-23.26	AVG

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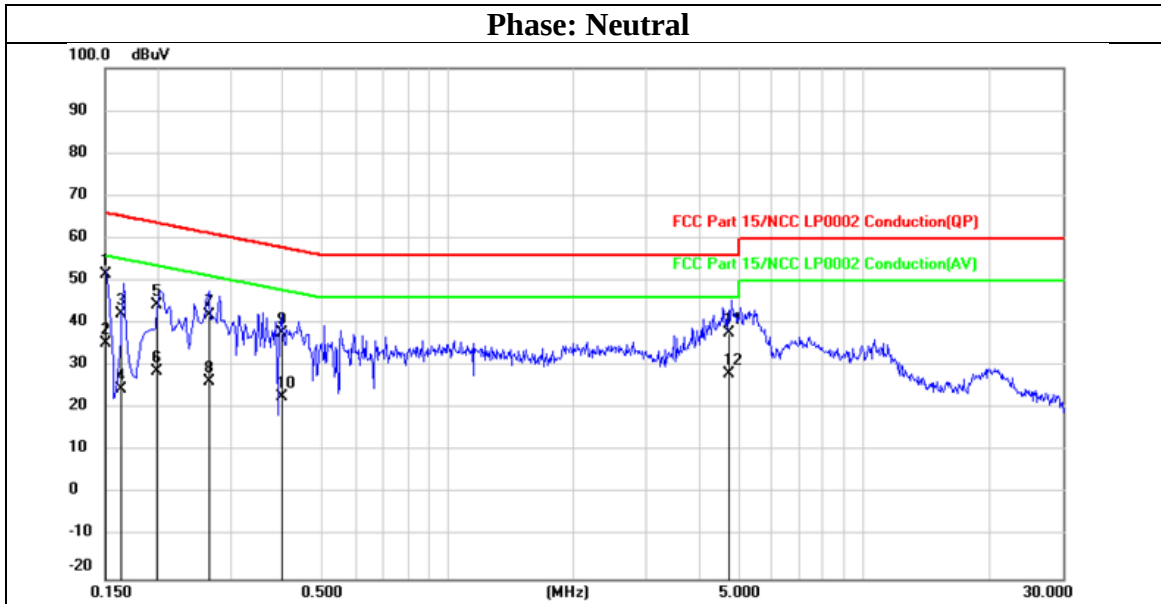
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Mode	TX_802.11b	Channel	06
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1507	51.40	0.06	51.46	65.96	-14.50	QP
2	0.1507	35.43	0.06	35.49	55.96	-20.47	AVG
3	0.1628	42.27	0.06	42.33	65.32	-22.99	QP
4	0.1628	24.35	0.06	24.41	55.32	-30.91	AVG
5	0.1993	44.26	0.07	44.33	63.64	-19.31	QP
6	0.1993	28.75	0.07	28.82	53.64	-24.82	AVG
7	0.2680	41.84	0.07	41.91	61.18	-19.27	QP
8	0.2680	26.33	0.07	26.40	51.18	-24.78	AVG
9	0.3983	37.75	0.08	37.83	57.89	-20.06	QP
10	0.3983	22.63	0.08	22.71	47.89	-25.18	AVG
11	4.7154	37.60	0.21	37.81	56.00	-18.19	QP
12	4.7154	27.89	0.21	28.10	46.00	-17.90	AVG

END OF REPORT

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