



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	91.27	11.87	103.14	N/A	N/A	PK
	@	2462	82.26	11.87	94.13	N/A	N/A	AVG
		2483.66	33.98	11.68	45.66	54	-8.34	AVG
		2483.85	46.44	11.68	58.12	74	-15.88	PK
	*	4924	38.61	2.4	41.01	74	-32.99	PK
Vertical	@	2462	97.18	11.87	109.05	N/A	N/A	PK
	@	2462	88.17	11.87	100.04	N/A	N/A	AVG
		2483.66	40.71	11.68	52.39	54	-1.61	AVG
		2485.18	56.79	11.67	68.46	74	-5.54	PK
	*	4924	39.65	2.4	42.05	74	-31.95	PK

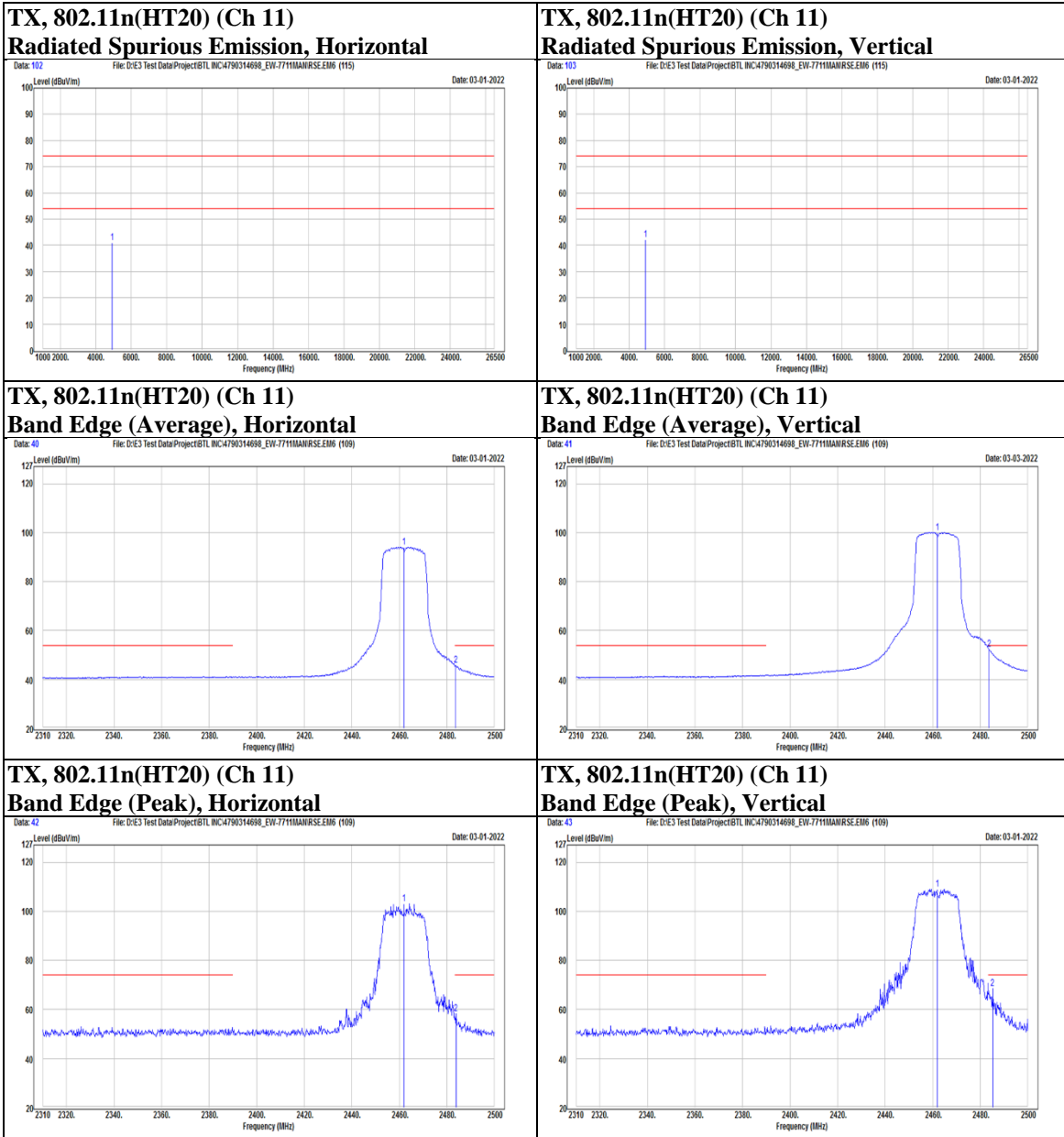
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Mode	802.11n(HT40)	Channel	3
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2388.66	46.33	11.82	58.15	74	-15.85	PK
		2389.42	33.78	11.82	45.6	54	-8.4	AVG
	@	2422	87.77	11.86	99.63	N/A	N/A	PK
	@	2422	78.62	11.86	90.48	N/A	N/A	AVG
	*	4844	37.1	2.38	39.48	74	-34.52	PK
Vertical		2389.61	52.4	11.82	64.22	74	-9.78	PK
		2389.61	41.06	11.82	52.88	54	-1.12	AVG
	@	2422	95.43	11.86	107.29	N/A	N/A	PK
	@	2422	85.57	11.86	97.43	N/A	N/A	AVG
	*	4844	38.75	2.38	41.13	74	-32.87	PK

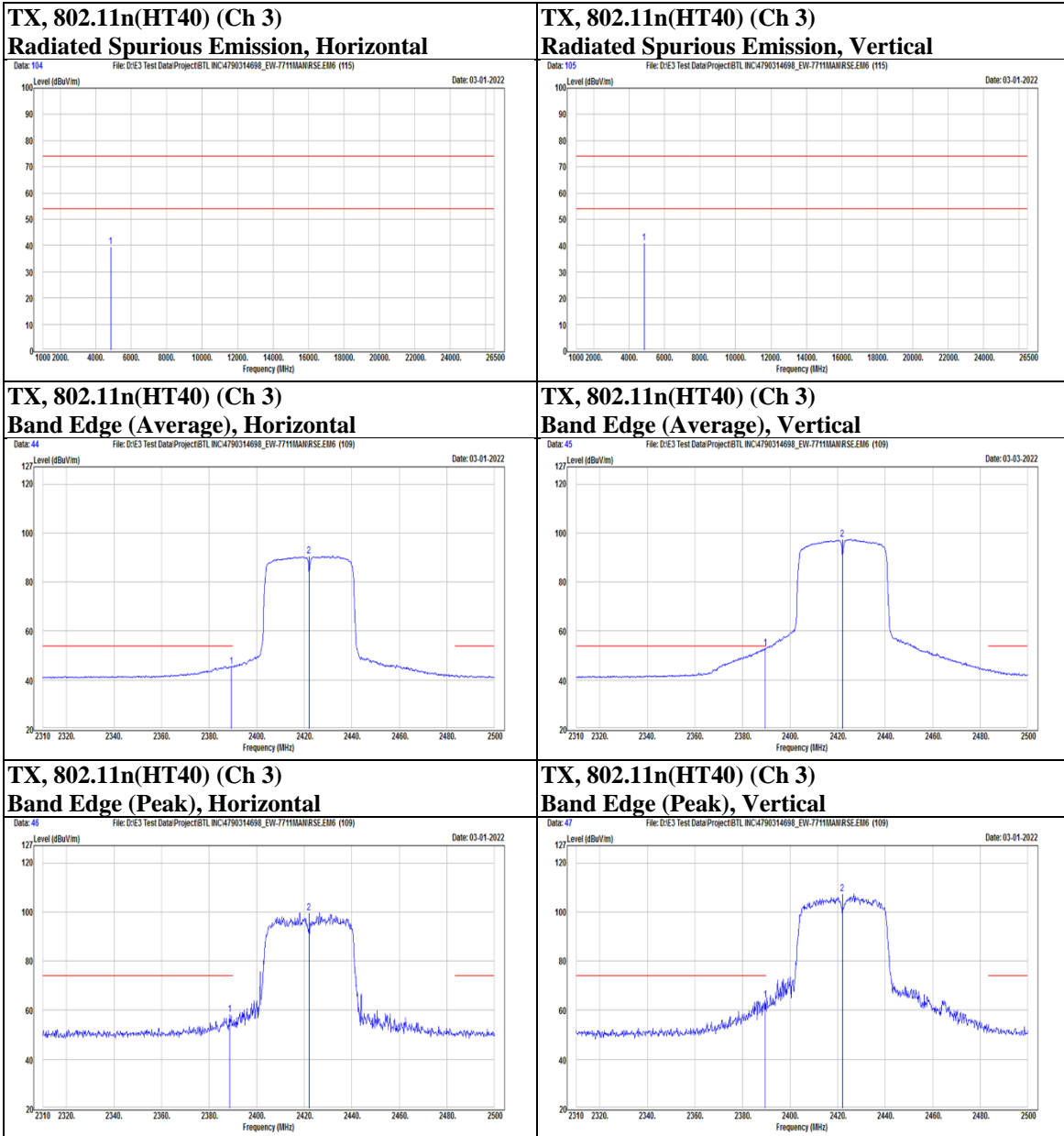
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Mode	802.11n(HT40)	Channel	6
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		2389.23	45.13	11.82	56.95	74	-17.05	PK
		2389.61	33.14	11.82	44.96	54	-9.04	AVG
	@	2437	88.73	11.92	100.65	N/A	N/A	PK
	@	2437	80.17	11.92	92.09	N/A	N/A	AVG
		2483.85	47.89	11.68	59.57	74	-14.43	PK
		2484.61	33.37	11.67	45.04	54	-8.96	AVG
	*	4874	37.37	2.4	39.77	74	-34.23	PK
Vertical		2388.85	50.09	11.81	61.9	74	-12.1	PK
		2389.99	38.11	11.82	49.93	54	-4.07	AVG
	@	2437	96.06	11.92	107.98	N/A	N/A	PK
	@	2437	86.89	11.92	98.81	N/A	N/A	AVG
		2483.85	55.63	11.68	67.31	74	-6.69	PK
		2483.85	41.02	11.68	52.7	54	-1.3	AVG
	*	4874	39.1	2.4	41.5	74	-32.5	PK

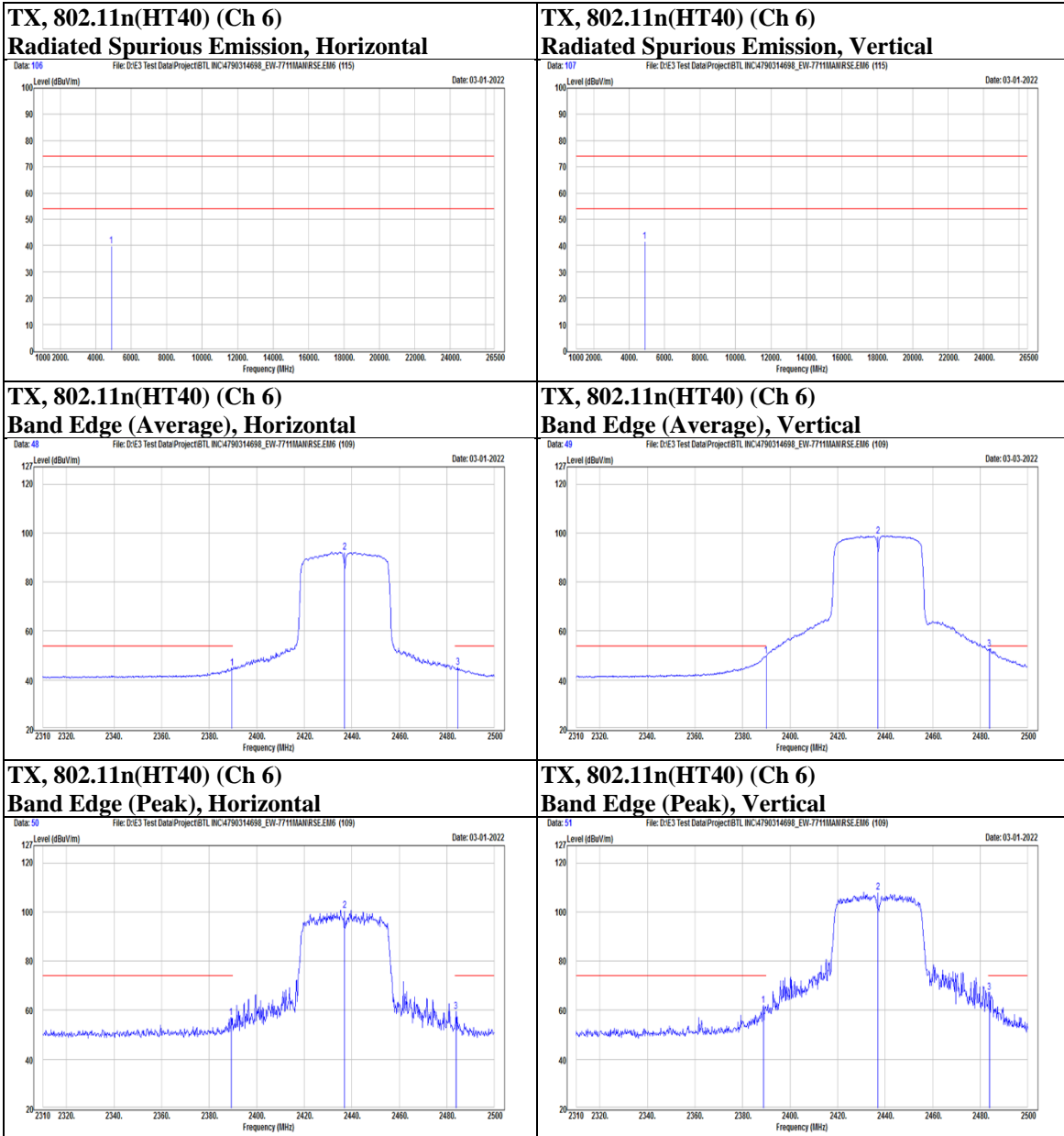
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Mode	802.11n(HT40)	Channel	9
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	2452	87.21	11.96	99.17	N/A	N/A	PK
	@	2452	78.9	11.96	90.86	N/A	N/A	AVG
		2484.23	44.51	11.68	56.19	74	-17.81	PK
		2485.18	32.45	11.67	44.12	54	-9.88	AVG
	*	4904	36.5	2.42	38.92	74	-35.08	PK
Vertical	@	2452	93.82	11.96	105.78	N/A	N/A	PK
	@	2452	85.25	11.96	97.21	N/A	N/A	AVG
		2483.85	40.7	11.68	52.38	54	-1.62	AVG
		2484.61	53.15	11.67	64.82	74	-9.18	PK
	*	4904	37.38	2.42	39.8	74	-34.2	PK

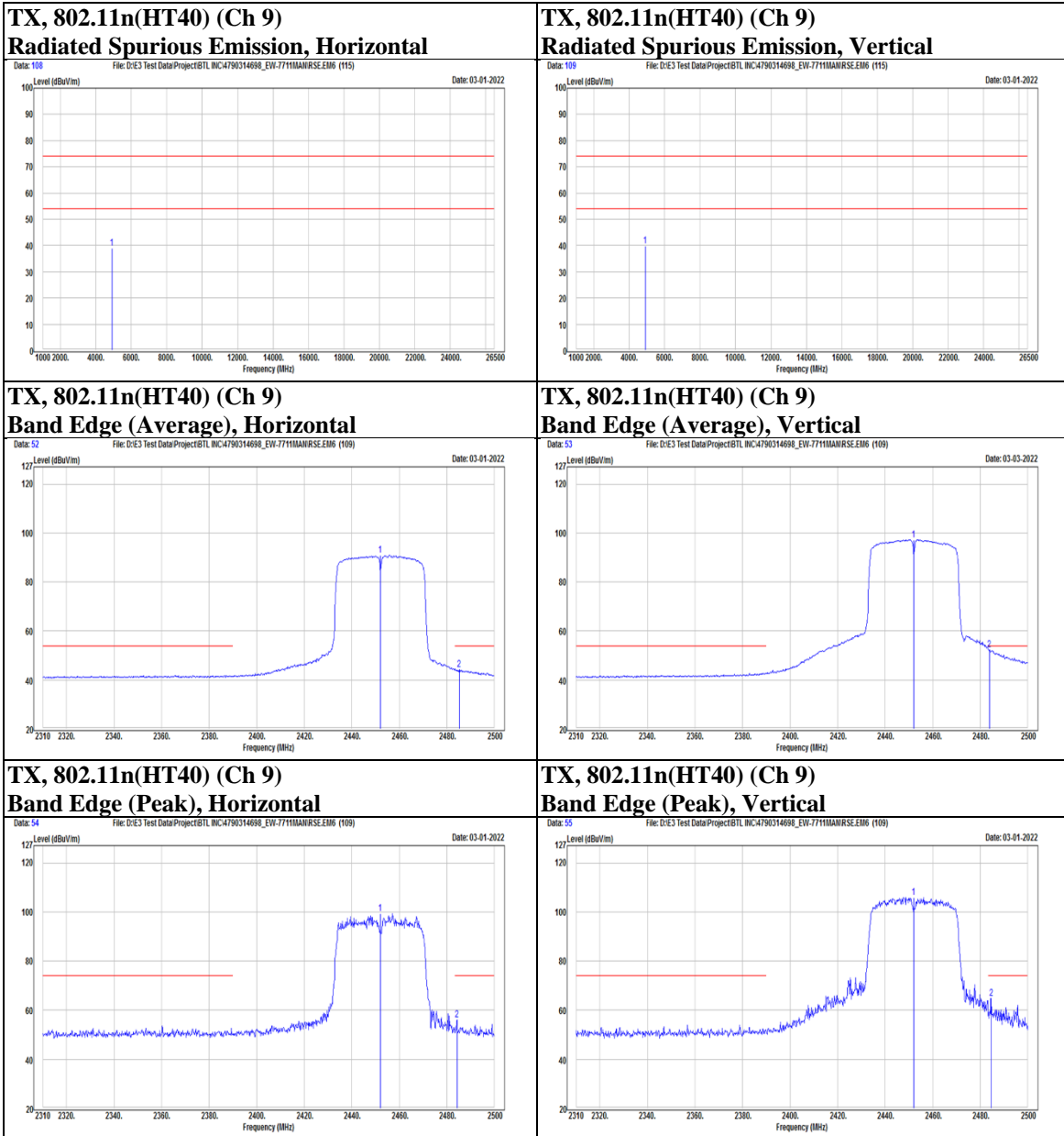
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9 kHz ~ 30 MHz Data:

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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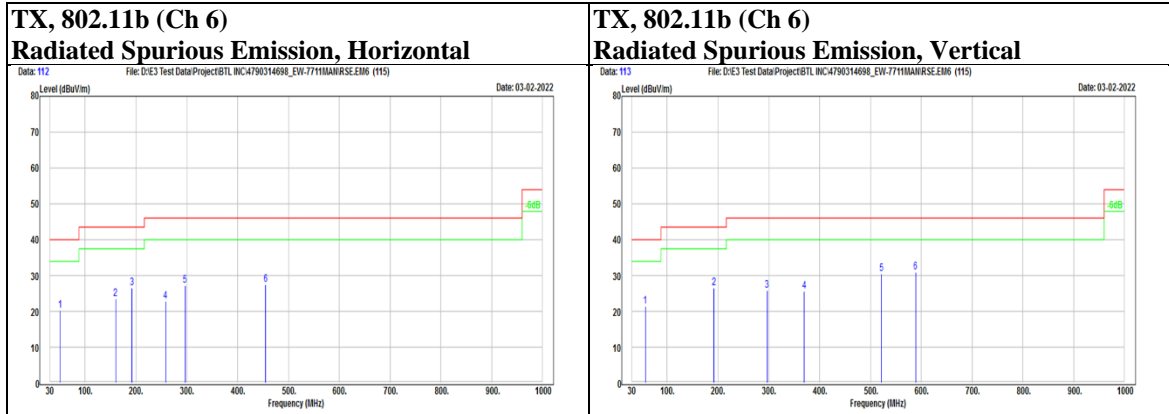
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Below 1 GHz

Mode	802.11b	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		50.37	31.33	-11.15	20.18	40	-19.82	PK
		159.98	34.6	-11.11	23.49	43.5	-20.01	PK
		191.99	39.82	-13.29	26.53	43.5	-16.97	PK
		257.95	34.26	-11.57	22.69	46	-23.31	PK
		296.75	37.36	-10.13	27.23	46	-18.77	PK
		454.86	33.06	-5.61	27.45	46	-18.55	PK
Vertical		57.16	32.83	-11.38	21.45	40	-18.55	PK
		191.99	39.75	-13.29	26.46	43.5	-17.04	PK
		296.75	35.9	-10.13	25.77	46	-20.23	PK
		369.5	33.6	-7.94	25.66	46	-20.34	PK
		521.79	34.47	-4.06	30.41	46	-15.59	PK
		588.72	33.34	-2.44	30.9	46	-15.1	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.

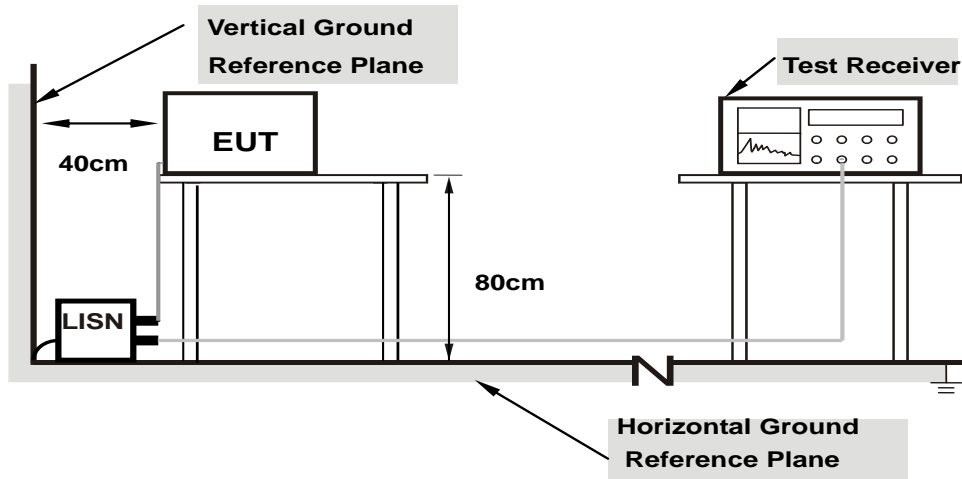
NOTE:

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 (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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Test Setup



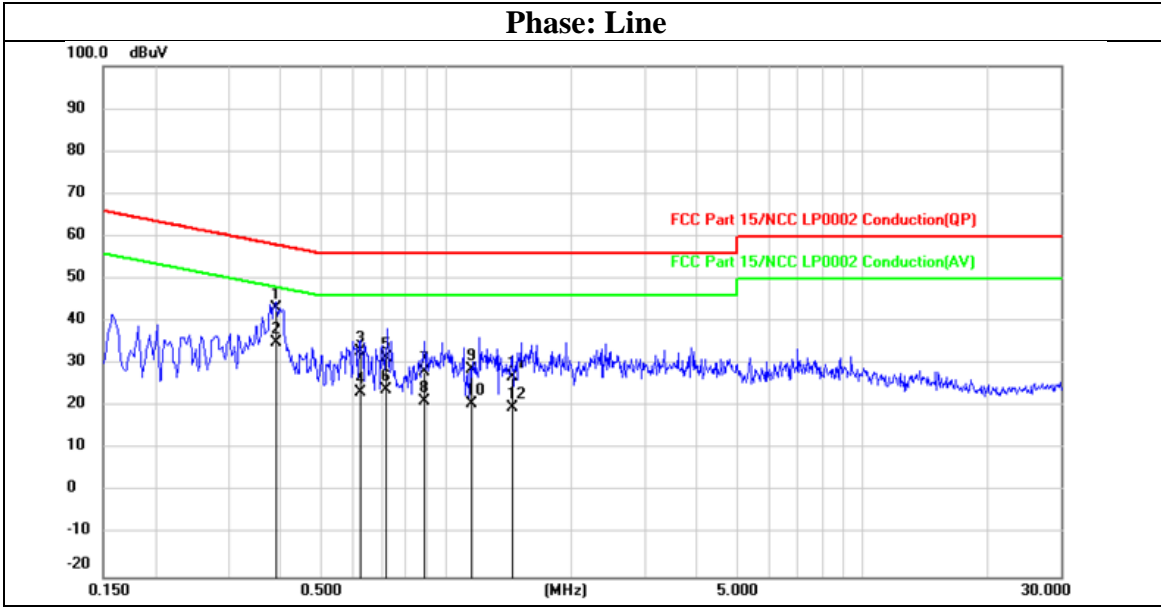
Note: 1.Support units were connected to second LISN.

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



Test Data

Mode	802.11b_TX2437	Channel	6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3892	23.69	19.49	43.18	58.08	-14.90	QP
2	0.3892	15.61	19.49	35.10	48.08	-12.98	AVG
3	0.6246	13.38	19.50	32.88	56.00	-23.12	QP
4	0.6246	3.99	19.50	23.49	46.00	-22.51	AVG
5	0.7142	11.83	19.51	31.34	56.00	-24.66	QP
6	0.7142	4.38	19.51	23.89	46.00	-22.11	AVG
7	0.8837	8.77	19.52	28.29	56.00	-27.71	QP
8	0.8837	1.87	19.52	21.39	46.00	-24.61	AVG
9	1.1476	9.24	19.51	28.75	56.00	-27.25	QP
10	1.1476	1.07	19.51	20.58	46.00	-25.42	AVG
11	1.4394	7.55	19.52	27.07	56.00	-28.93	QP
12	1.4394	0.23	19.52	19.75	46.00	-26.25	AVG

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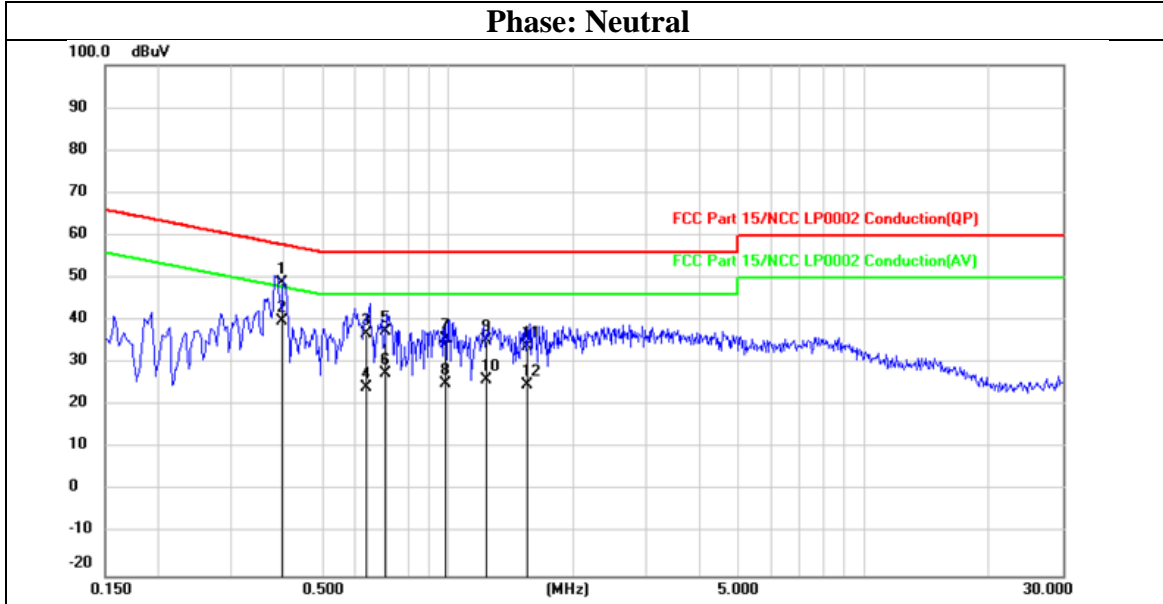
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Mode	802.11b_TX2437	Channel	6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3996	29.39	19.49	48.88	57.86	-8.98	QP
2	0.3996	20.29	19.49	39.78	47.86	-8.08	AVG
3	0.6419	17.42	19.50	36.92	56.00	-19.08	QP
4	0.6419	4.74	19.50	24.24	46.00	-21.76	AVG
5	0.7072	17.97	19.50	37.47	56.00	-18.53	QP
6	0.7072	8.20	19.50	27.70	46.00	-18.30	AVG
7	0.9910	16.10	19.50	35.60	56.00	-20.40	QP
8	0.9910	5.69	19.50	25.19	46.00	-20.81	AVG
9	1.2362	16.00	19.50	35.50	56.00	-20.50	QP
10	1.2362	6.65	19.50	26.15	46.00	-19.85	AVG
11	1.5529	14.35	19.52	33.87	56.00	-22.13	QP
12	1.5529	5.42	19.52	24.94	46.00	-21.06	AVG

END OF REPORT

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