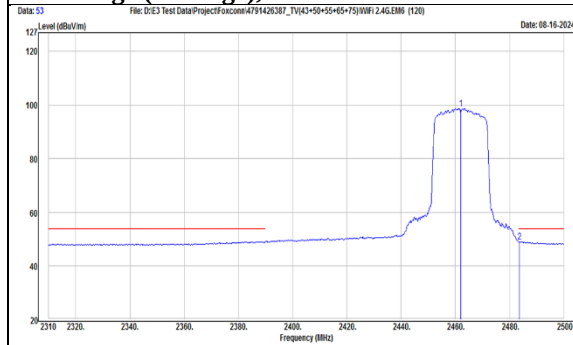


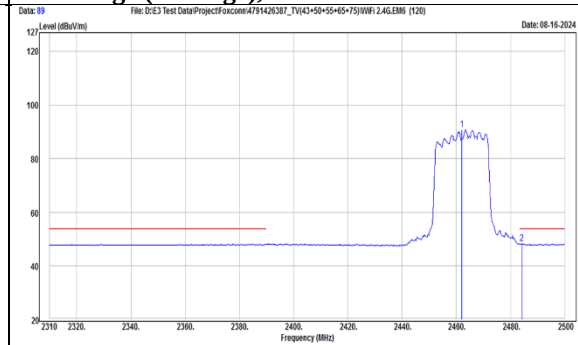
Mode	802.11ax(HE20)	Channel	11
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	2462	88.45	19.22	107.67	N/A	N/A	PK
	@	2462	79.43	19.22	98.65	N/A	N/A	AVG
		2483.66	29.63	19.38	49.01	54	-4.99	AVG
		2488.41	39.88	19.42	59.3	74	-14.7	PK
Vertical	@	2462	78.8	19.22	98.02	N/A	N/A	PK
	@	2462	71.6	19.22	90.82	N/A	N/A	AVG
		2484.23	28.91	19.39	48.3	54	-5.7	AVG
		2487.84	39.69	19.42	59.11	74	-14.89	PK

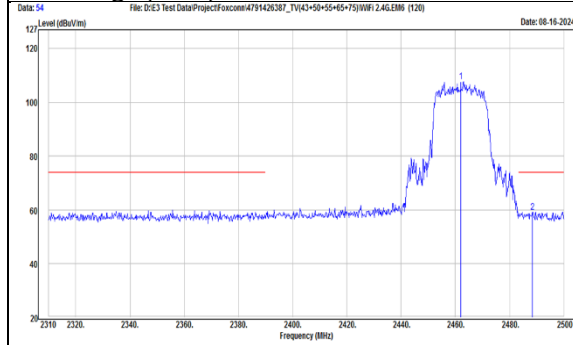
TX, 802.11ax(HE20) (Ch 11)
Band Edge (Average), Horizontal



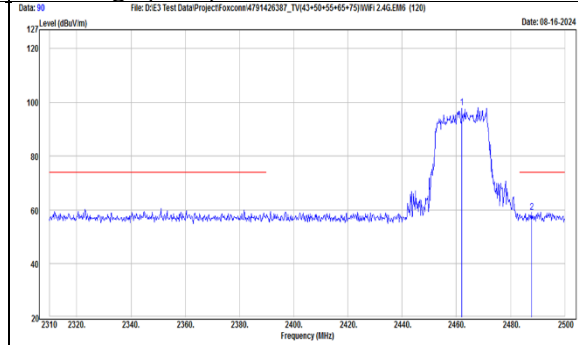
TX, 802.11ax(HE20) (Ch 11)
Band Edge (Average), Vertical



TX, 802.11ax(HE20) (Ch 11)
Band Edge (Peak), Horizontal

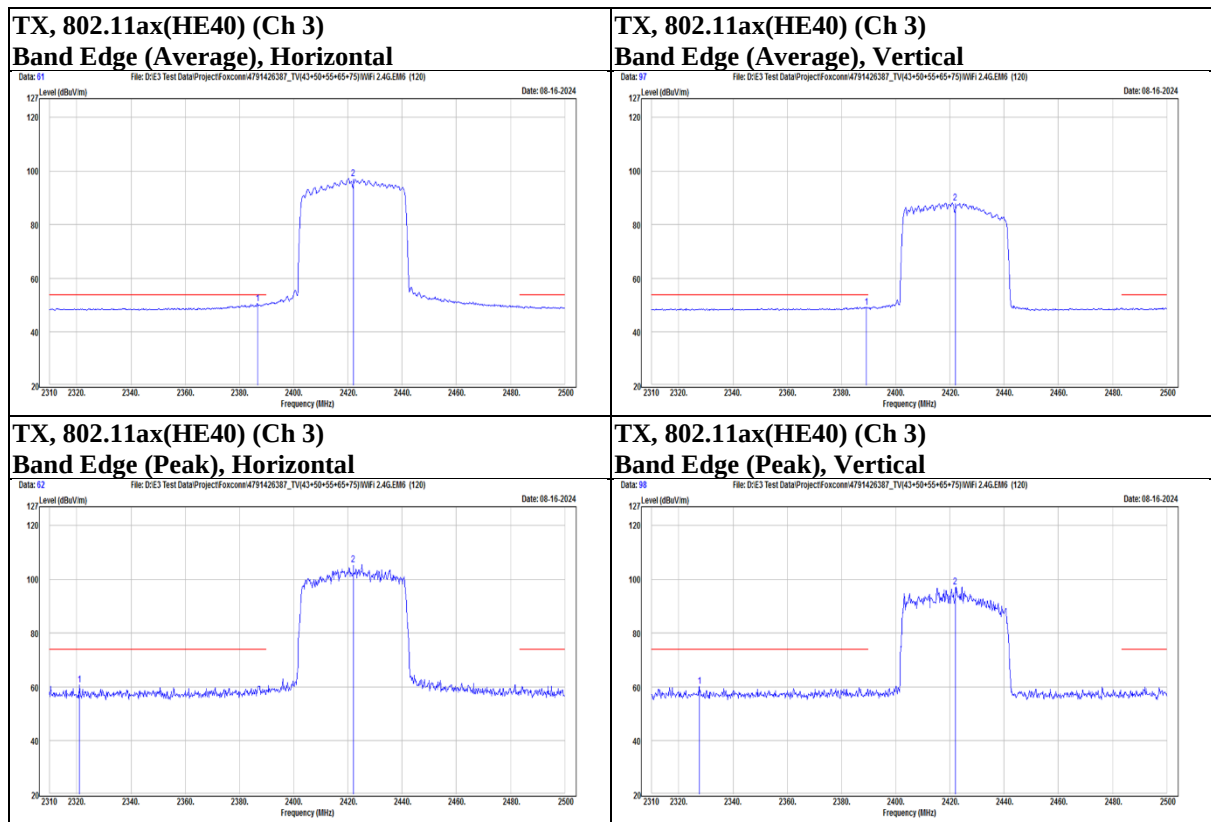


TX, 802.11ax(HE20) (Ch 11)
Band Edge (Peak), Vertical



Mode	802.11ax(HE40)	Channel	3
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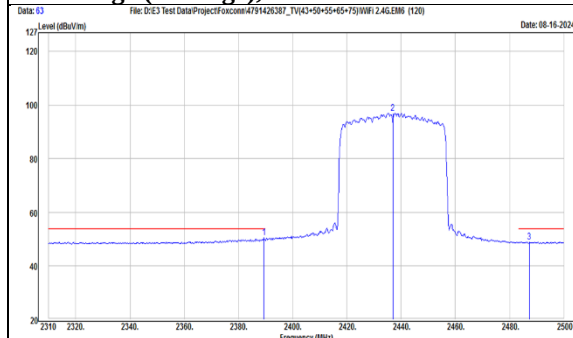
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		2321.02	41.06	19.78	60.84	74	-13.16	PK
		2386.76	31.2	19.5	50.7	54	-3.3	AVG
	@	2422	86.13	19.3	105.43	N/A	N/A	PK
	@	2422	77.91	19.3	97.21	N/A	N/A	AVG
Vertical		2327.67	40.48	19.75	60.23	74	-13.77	PK
		2389.23	29.71	19.49	49.2	54	-4.8	AVG
	@	2422	77.99	19.3	97.29	N/A	N/A	PK
	@	2422	68.91	19.3	88.21	N/A	N/A	AVG



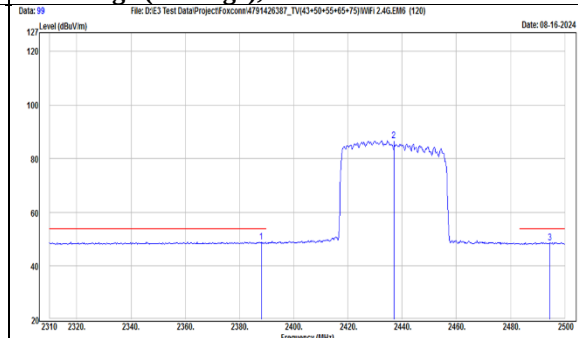
Mode	802.11ax(HE40)	Channel	6
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		2323.49	40.37	19.77	60.14	74	-13.86	PK
		2389.42	31.06	19.49	50.55	54	-3.45	AVG
	@	2437	86.2	19.21	105.41	N/A	N/A	PK
	@	2437	77.81	19.21	97.02	N/A	N/A	AVG
		2487.27	29.64	19.41	49.05	54	-4.95	AVG
		2489.74	40.33	19.43	59.76	74	-14.24	PK
Vertical		2321.21	40.59	19.78	60.37	74	-13.63	PK
		2388.09	29.45	19.49	48.94	54	-5.06	AVG
	@	2437	76.25	19.21	95.46	N/A	N/A	PK
	@	2437	67.5	19.21	86.71	N/A	N/A	AVG
		2494.49	29.32	19.47	48.79	54	-5.21	AVG
		2495.63	40.34	19.47	59.81	74	-14.19	PK

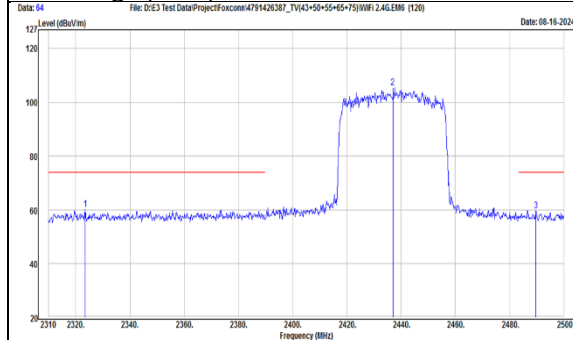
TX, 802.11ax(HE40) (Ch 6)
Band Edge (Average), Horizontal



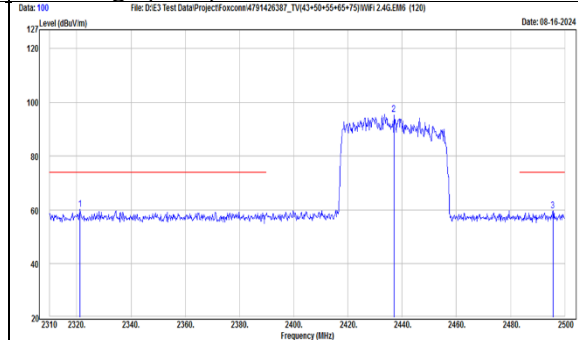
TX, 802.11ax(HE40) (Ch 6)
Band Edge (Average), Vertical



TX, 802.11ax(HE40) (Ch 6)
Band Edge (Peak), Horizontal



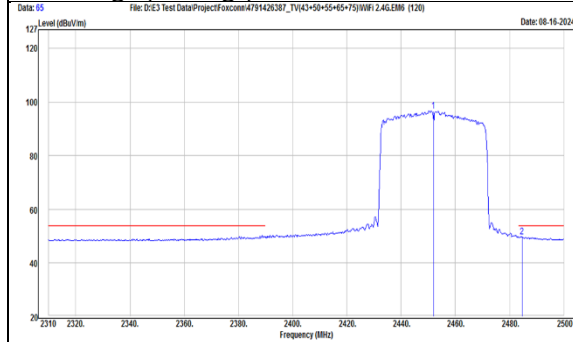
TX, 802.11ax(HE40) (Ch 6)
Band Edge (Peak), Vertical



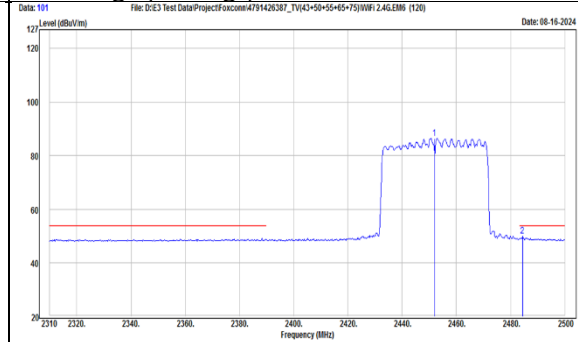
Mode	802.11ax(HE40)	Channel	9
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	2452	86.77	19.14	105.91	N/A	N/A	PK
	@	2452	77.62	19.14	96.76	N/A	N/A	AVG
		2484.61	30.38	19.39	49.77	54	-4.23	AVG
		2485.18	40.93	19.39	60.32	74	-13.68	PK
Vertical	@	2452	75.13	19.14	94.27	N/A	N/A	PK
	@	2452	67.38	19.14	86.52	N/A	N/A	AVG
		2484.42	30.55	19.39	49.94	54	-4.06	AVG
		2484.8	40.12	19.39	59.51	74	-14.49	PK

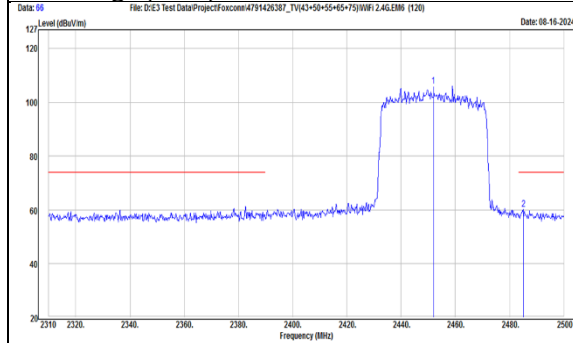
TX, 802.11ax(HE40) (Ch 9)
Band Edge (Average), Horizontal



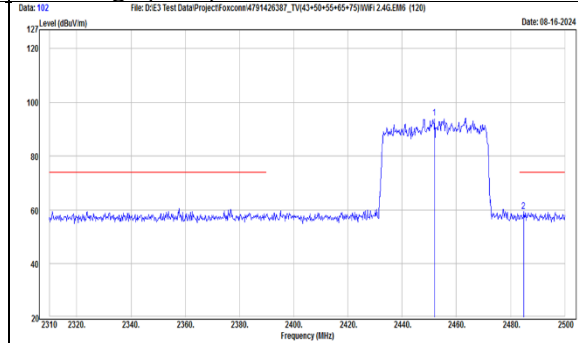
TX, 802.11ax(HE40) (Ch 9)
Band Edge (Average), Vertical



TX, 802.11ax(HE40) (Ch 9)
Band Edge (Peak), Horizontal



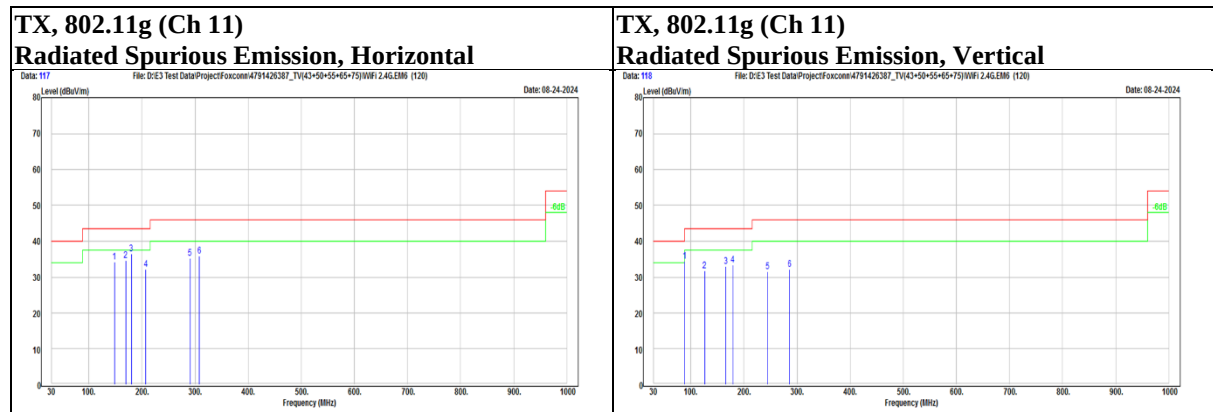
TX, 802.11ax(HE40) (Ch 9)
Band Edge (Peak), Vertical



Below 1 GHz

Mode	802.11g	Channel	11
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		148.34	46.15	-11.84	34.31	43.5	-9.19	PK
		169.68	46.31	-11.75	34.56	43.5	-8.94	PK
		180.35	49.13	-12.72	36.41	43.5	-7.09	PK
		207.51	46.8	-14.62	32.18	43.5	-11.32	PK
		290.93	45.77	-10.5	35.27	46	-10.73	PK
		308.39	45.84	-10.05	35.79	46	-10.21	PK
Vertical		88.2	52.14	-17.65	34.49	43.5	-9.01	PK
		126.03	45.47	-13.65	31.82	43.5	-11.68	PK
		165.8	44.46	-11.51	32.95	43.5	-10.55	PK
		179.38	46.09	-12.61	33.48	43.5	-10.02	PK
		244.37	43.94	-12.34	31.6	46	-14.4	PK
		286.08	42.86	-10.62	32.24	46	-13.76	PK



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Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 6.1

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 (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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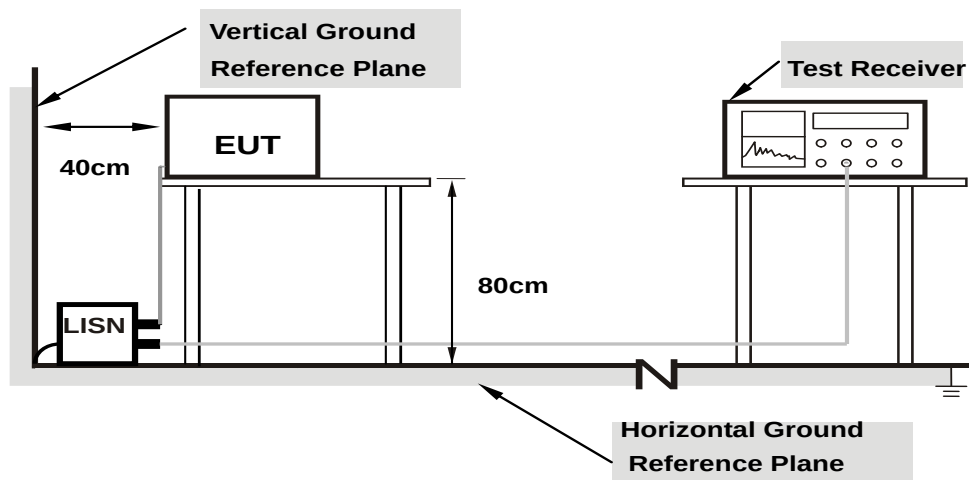
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Test Setup

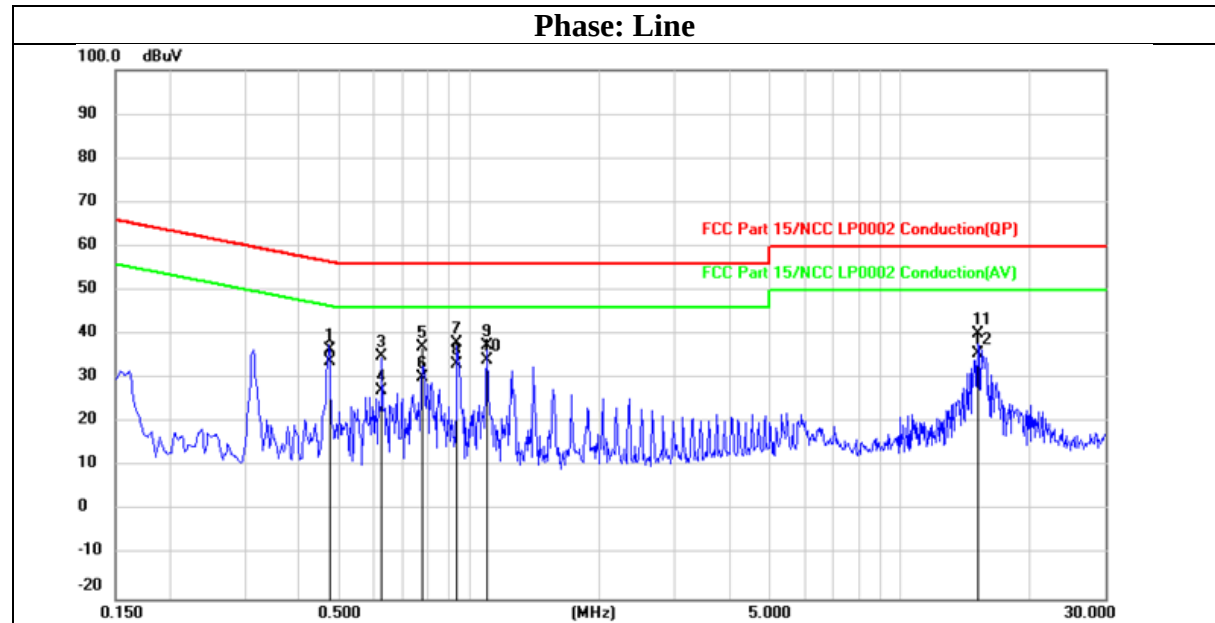


Note: 1.Support units were connected to second LISN.

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

Test Data

Mode	11g_TX2462	Channel	11
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4711	26.60	9.95	36.55	56.49	-19.94	QP
2	0.4711	23.94	9.95	33.89	46.49	-12.60	AVG
3	0.6272	25.12	9.96	35.08	56.00	-20.92	QP
4	0.6272	17.34	9.96	27.30	46.00	-18.70	AVG
5	0.7807	27.10	9.96	37.06	56.00	-18.94	QP
6	0.7807	20.25	9.96	30.21	46.00	-15.79	AVG
7	0.9378	27.96	9.97	37.93	56.00	-18.07	QP
8	0.9378	23.41	9.97	33.38	46.00	-12.62	AVG
9	1.0961	27.44	9.98	37.42	56.00	-18.58	QP
10	1.0961	24.09	9.98	34.07	46.00	-11.93	AVG
11	15.2000	29.73	10.39	40.12	60.00	-19.88	QP
12	15.2000	25.19	10.39	35.58	50.00	-14.42	AVG

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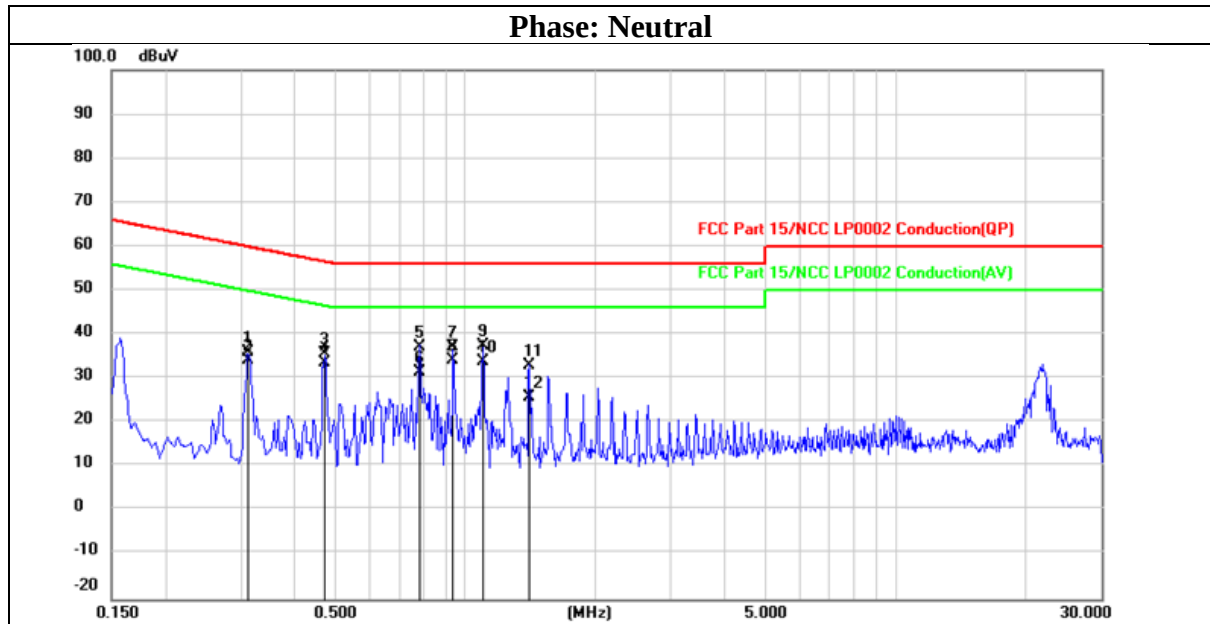
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Mode	11g_TX2462	Channel	11
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3118	26.06	9.94	36.00	59.92	-23.92	QP
2	0.3118	24.20	9.94	34.14	49.92	-15.78	AVG
3	0.4694	25.72	9.95	35.67	56.52	-20.85	QP
4	0.4694	23.53	9.95	33.48	46.52	-13.04	AVG
5	0.7802	27.33	9.96	37.29	56.00	-18.71	QP
6	0.7802	21.48	9.96	31.44	46.00	-14.56	AVG
7	0.9371	27.33	9.96	37.29	56.00	-18.71	QP
8	0.9371	24.10	9.96	34.06	46.00	-11.94	AVG
9	1.0945	27.44	9.97	37.41	56.00	-18.59	QP
10	1.0945	23.74	9.97	33.71	46.00	-12.29	AVG
11	1.4064	22.86	9.99	32.85	56.00	-23.15	QP
12	1.4064	15.87	9.99	25.86	46.00	-20.14	AVG

END OF REPORT

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