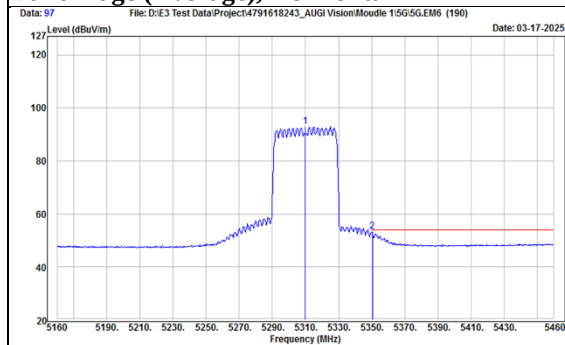


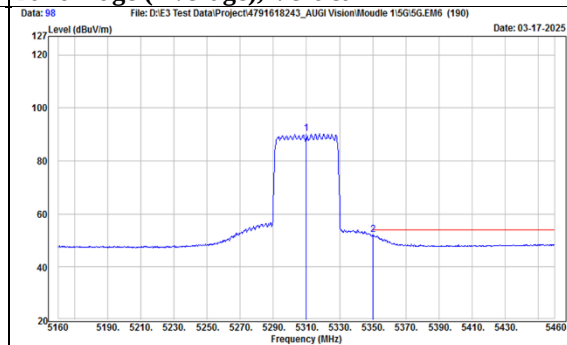
Mode	802.11ax(HE40)	Channel	62
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5310	84.24	19.12	103.36	N/A	N/A	PK
	@	5310	73.76	19.12	92.88	N/A	N/A	AVG
		5350.5	34.04	19.29	53.33	54	-0.67	AVG
		5360.7	46.41	19.36	65.77	74	-8.23	PK
Vertical	@	5310	84.05	19.12	103.17	N/A	N/A	PK
	@	5310	71.09	19.12	90.21	N/A	N/A	AVG
		5350.2	32.79	19.29	52.08	54	-1.92	AVG
		5352.6	45.84	19.31	65.15	74	-8.85	PK

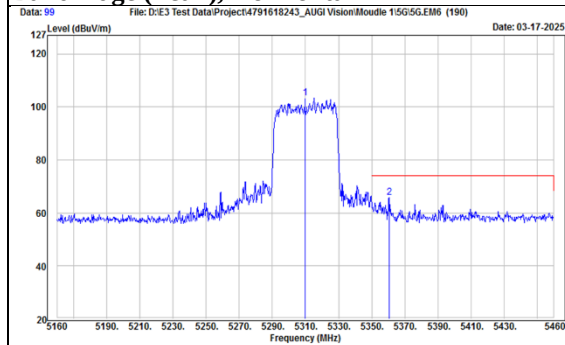
TX, 802.11ax(HE40) (Ch 62)
Band Edge (Average), Horizontal



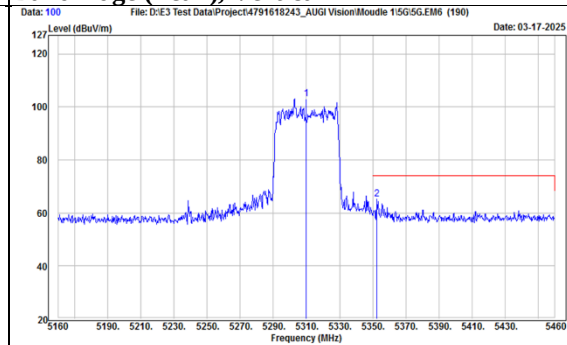
TX, 802.11ax(HE40) (Ch 62)
Band Edge (Average), Vertical



TX, 802.11ax(HE40) (Ch 62)
Band Edge (Peak), Horizontal

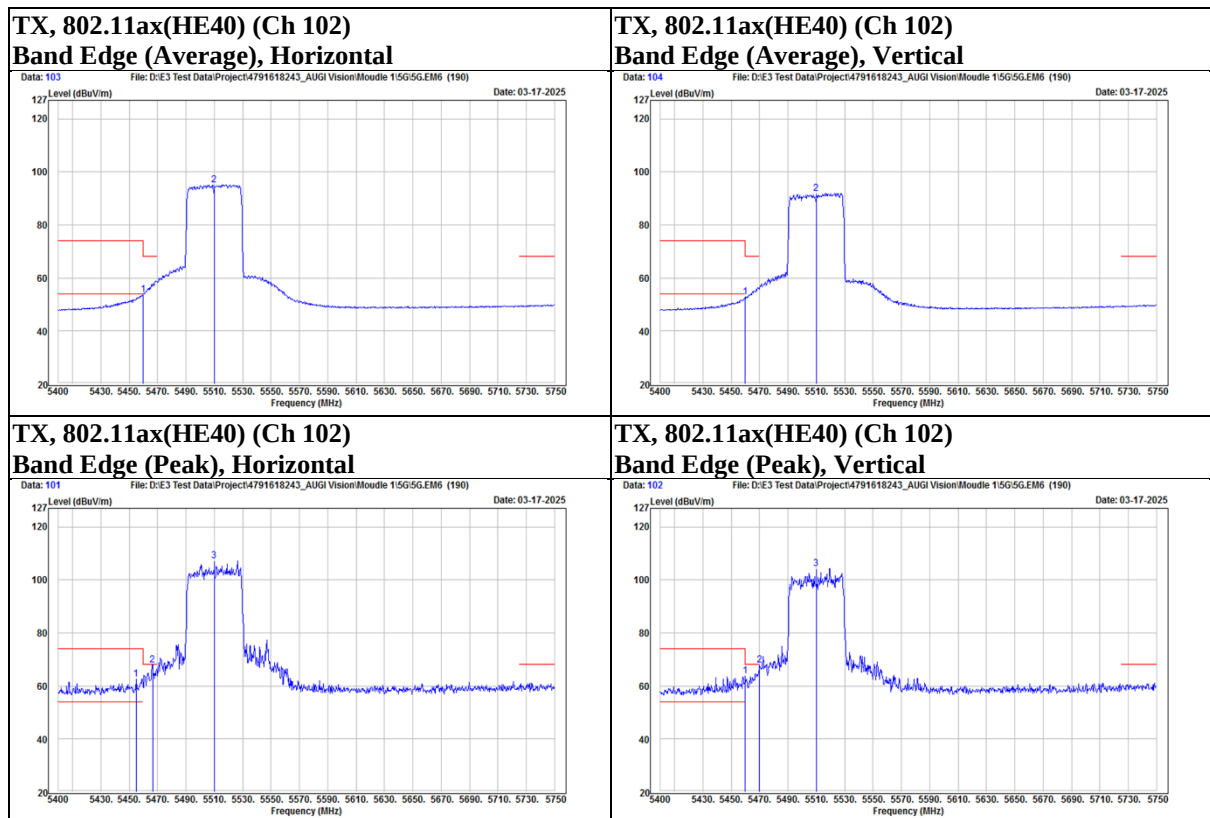


TX, 802.11ax(HE40) (Ch 62)
Band Edge (Peak), Vertical



Mode	802.11ax(HE40)	Channel	102
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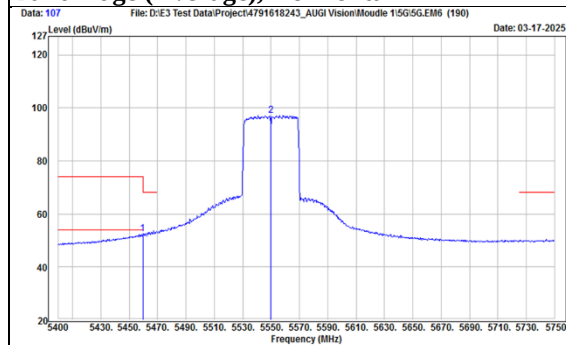
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5454.95	42.71	19.92	62.63	74	-11.37	PK
		5459.85	33.79	19.95	53.74	54	-0.26	AVG
		5466.5	47.96	19.98	67.94	68.2	-0.26	PK
	@	5510	87.14	20.12	107.26	N/A	N/A	PK
	@	5510	75.04	20.12	95.16	N/A	N/A	AVG
Vertical		5459.85	43.65	19.95	63.6	74	-10.4	PK
		5459.85	32.73	19.95	52.68	54	-1.32	AVG
		5470	47.77	20	67.77	68.2	-0.43	PK
	@	5510	84.24	20.12	104.36	N/A	N/A	PK
	@	5510	71.85	20.12	91.97	N/A	N/A	AVG



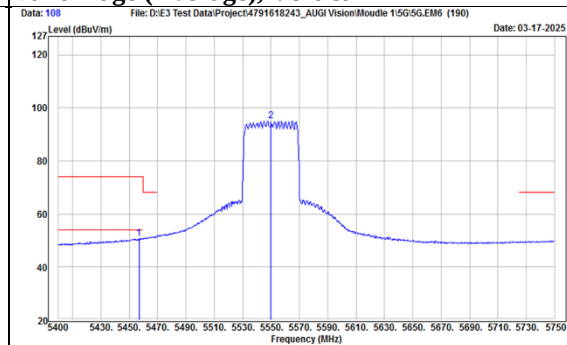
Mode	802.11ax(HE40)	Channel	110
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5448.3	43.16	19.89	63.05	74	-10.95	PK
		5459.5	32.68	19.95	52.63	54	-1.37	AVG
		5468.25	44.79	19.99	64.78	68.2	-3.42	PK
	@	5550	87.47	20.04	107.51	N/A	N/A	PK
	@	5550	77.16	20.04	97.2	N/A	N/A	AVG
		5747.9	41.29	20.42	61.71	68.2	-6.49	PK
Vertical		5449.7	41.6	19.9	61.5	74	-12.5	PK
		5457.05	30.87	19.93	50.8	54	-3.2	AVG
		5468.95	42.36	19.99	62.35	68.2	-5.85	PK
	@	5550	85.04	20.04	105.08	N/A	N/A	PK
	@	5550	75.08	20.04	95.12	N/A	N/A	AVG
		5725.5	40.91	20.2	61.11	68.2	-7.09	PK

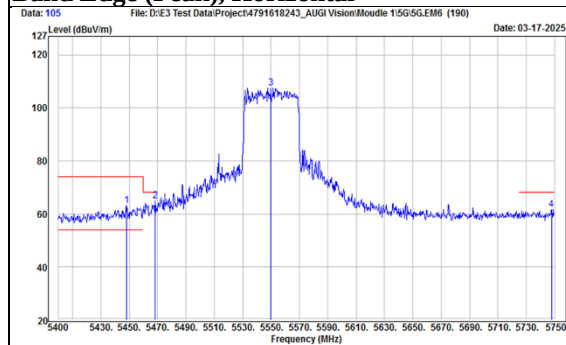
TX, 802.11ax(HE40) (Ch 110)
Band Edge (Average), Horizontal



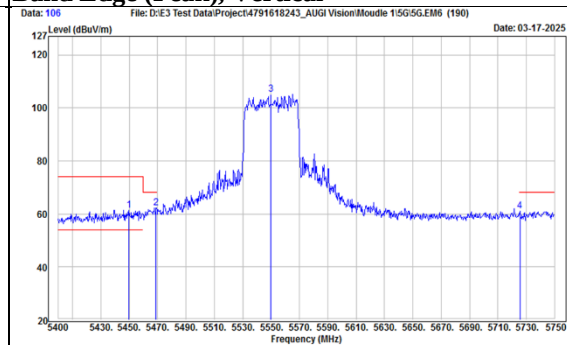
TX, 802.11ax(HE40) (Ch 110)
Band Edge (Average), Vertical



TX, 802.11ax(HE40) (Ch 110)
Band Edge (Peak), Horizontal



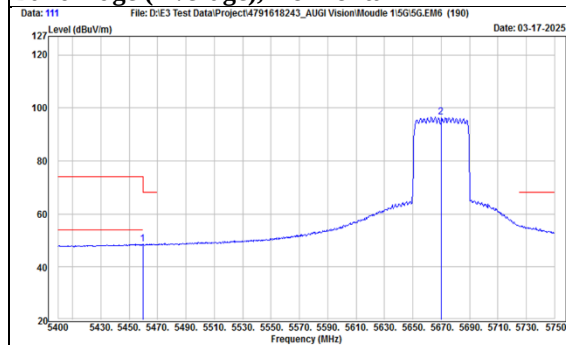
TX, 802.11ax(HE40) (Ch 110)
Band Edge (Peak), Vertical



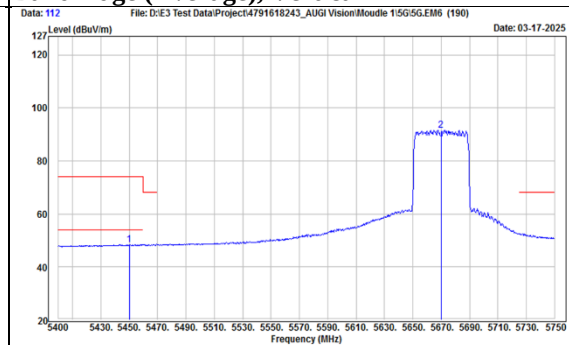
Mode	802.11ax(HE40)	Channel	134
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5458.45	40.59	19.94	60.53	74	-13.47	PK
		5459.5	28.61	19.95	48.56	54	-5.44	AVG
		5466.85	39.77	19.98	59.75	68.2	-8.45	PK
	@	5670	86.25	20.01	106.26	N/A	N/A	PK
	@	5670	76.48	20.01	96.49	N/A	N/A	AVG
		5725	47.27	20.2	67.47	68.2	-0.73	PK
Vertical		5450.05	28.5	19.9	48.4	54	-5.6	AVG
		5455.3	41.16	19.92	61.08	74	-12.92	PK
		5466.15	40.12	19.98	60.1	68.2	-8.1	PK
	@	5670	84.6	20.01	104.61	N/A	N/A	PK
	@	5670	71.61	20.01	91.62	N/A	N/A	AVG
		5727.95	43.11	20.22	63.33	68.2	-4.87	PK

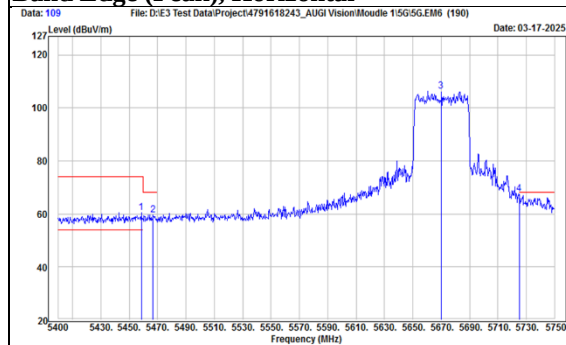
TX, 802.11ax(HE40) (Ch 134)
Band Edge (Average), Horizontal



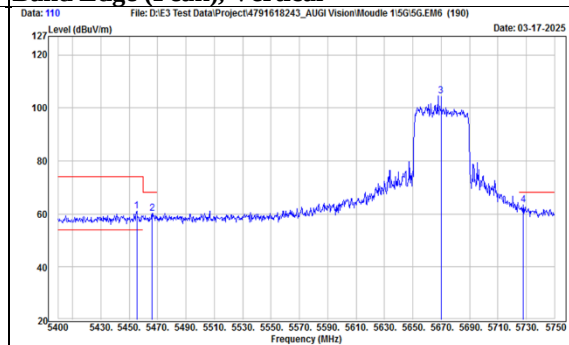
TX, 802.11ax(HE40) (Ch 134)
Band Edge (Average), Vertical



TX, 802.11ax(HE40) (Ch 134)
Band Edge (Peak), Horizontal



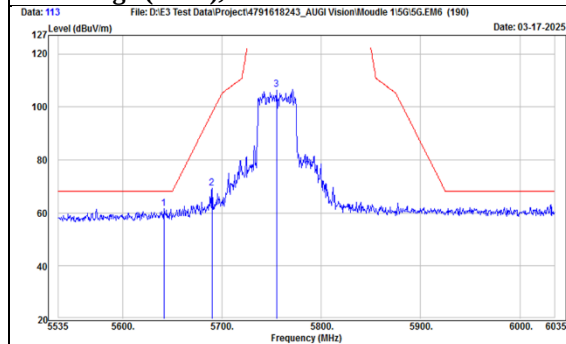
TX, 802.11ax(HE40) (Ch 134)
Band Edge (Peak), Vertical



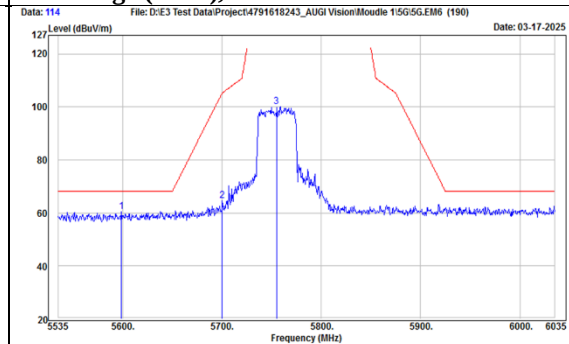
Mode	802.11ax(HE40)	Channel	151
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5641.5	41.54	20.05	61.59	68.2	-6.61	PK
		5690	49.43	19.98	69.41	97.83	-28.42	PK
	@	5755	86.1	20.49	106.59	N/A	N/A	PK
Vertical		5598.5	40.33	20.12	60.45	68.2	-7.75	PK
		5700	44.55	19.96	64.51	105.2	-40.69	PK
	@	5755	79.57	20.49	100.06	N/A	N/A	PK

TX, 802.11ax(HE40) (Ch 151)
Band Edge (Peak), Horizontal



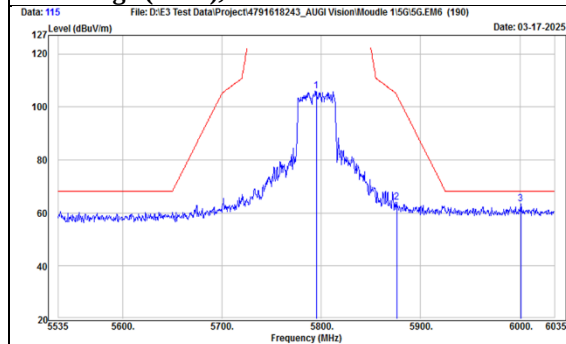
TX, 802.11ax(HE40) (Ch 151)
Band Edge (Peak), Vertical



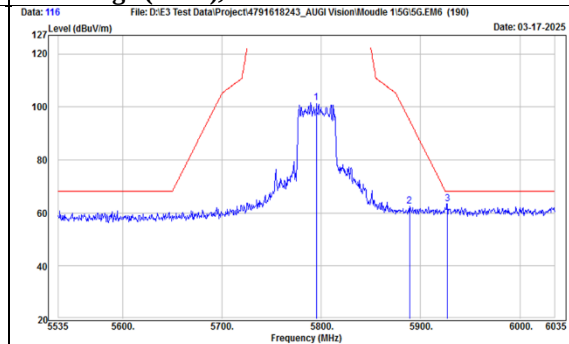
Mode	802.11ax(HE40)	Channel	159
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5795	85.22	20.94	106.16	N/A	N/A	PK
		5876	42.92	21.26	64.18	104.46	-40.28	PK
		6001	42	21.37	63.37	68.2	-4.83	PK
Vertical	@	5795	80.74	20.94	101.68	N/A	N/A	PK
		5889	41.24	21.27	62.51	94.81	-32.3	PK
		5927	42.2	21.23	63.43	68.2	-4.77	PK

TX, 802.11ax(HE40) (Ch 159)
Band Edge (Peak), Horizontal

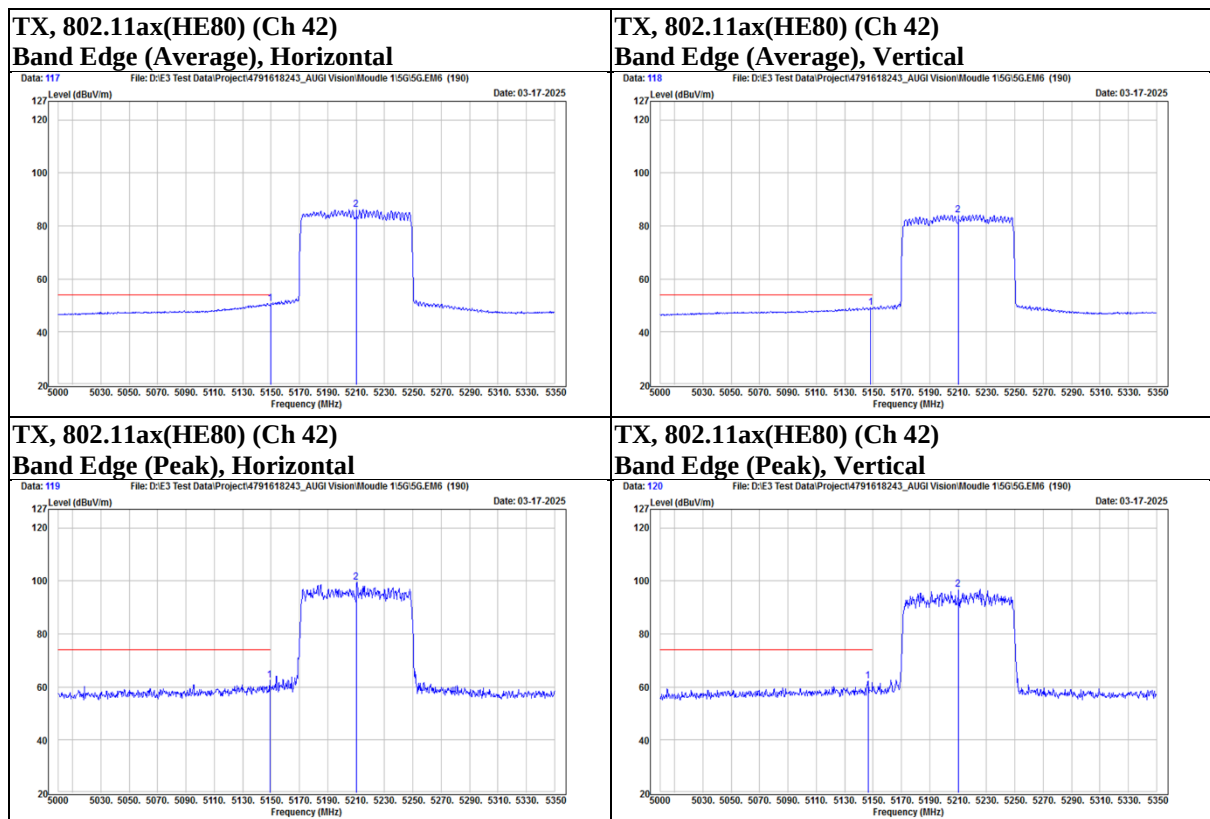


TX, 802.11ax(HE40) (Ch 159)
Band Edge (Peak), Vertical



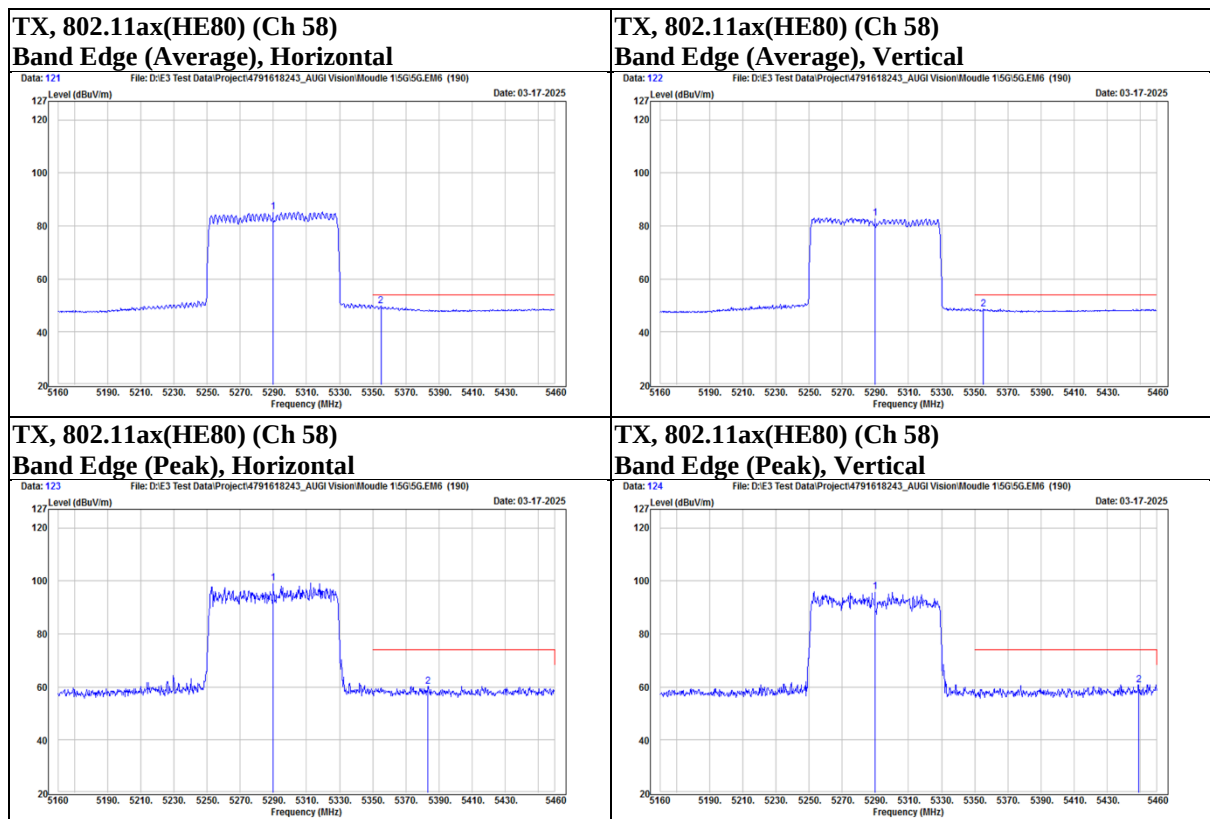
Mode	802.11ax(HE80)	Channel	42
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5149.1	42.85	19.76	62.61	74	-11.39	PK
		5149.8	30.94	19.76	50.7	54	-3.3	AVG
	@	5210	79.81	19.56	99.37	N/A	N/A	PK
	@	5210	66.54	19.56	86.1	N/A	N/A	AVG
Vertical		5146.65	42.41	19.75	62.16	74	-11.84	PK
		5148.4	29.49	19.76	49.25	54	-4.75	AVG
	@	5210	77.32	19.56	96.88	N/A	N/A	PK
	@	5210	64.63	19.56	84.19	N/A	N/A	AVG



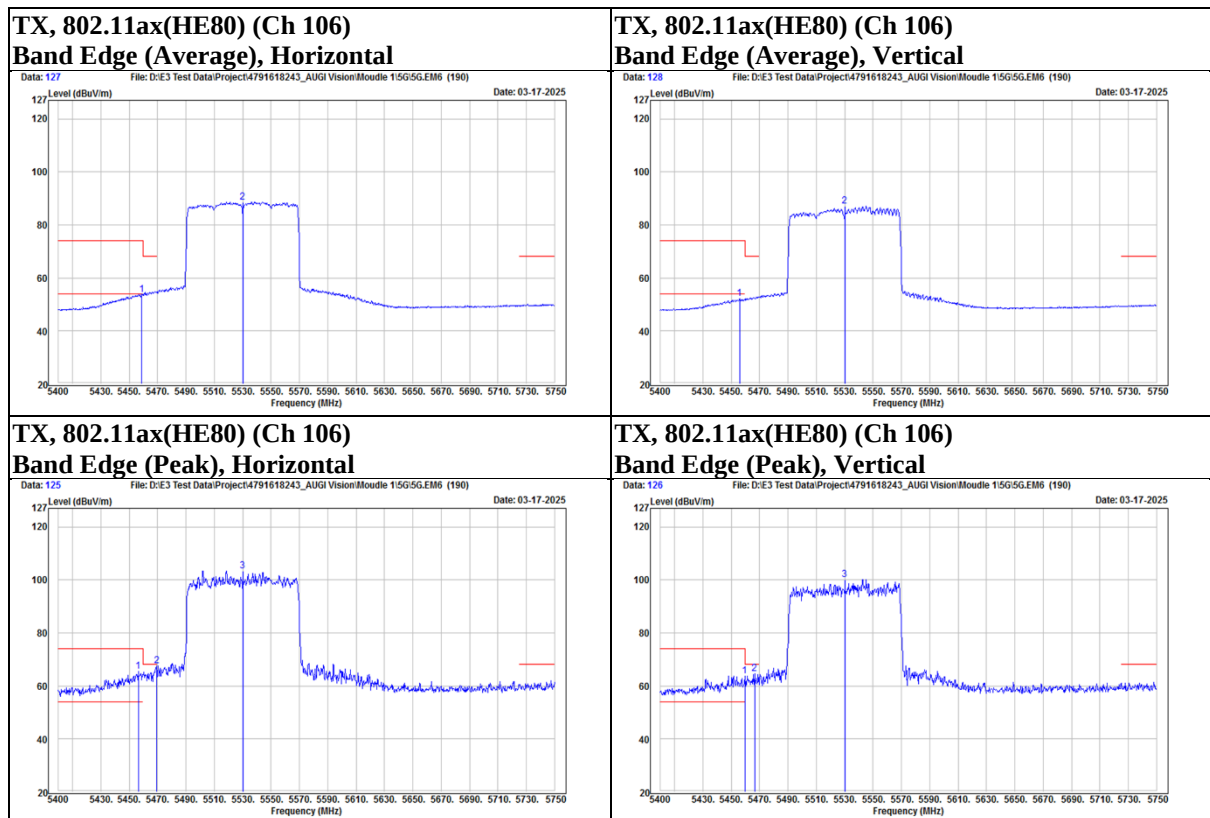
Mode	802.11ax(HE80)	Channel	58
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5290	79.97	19.12	99.09	N/A	N/A	PK
	@	5290	66.3	19.12	85.42	N/A	N/A	AVG
		5355	30.52	19.33	49.85	54	-4.15	AVG
		5383.5	40.72	19.51	60.23	74	-13.77	PK
Vertical	@	5290	76.89	19.12	96.01	N/A	N/A	PK
	@	5290	63.95	19.12	83.07	N/A	N/A	AVG
		5355.3	29.35	19.33	48.68	54	-5.32	AVG
		5449.2	40.89	19.9	60.79	74	-13.21	PK



Mode	802.11ax(HE80)	Channel	106
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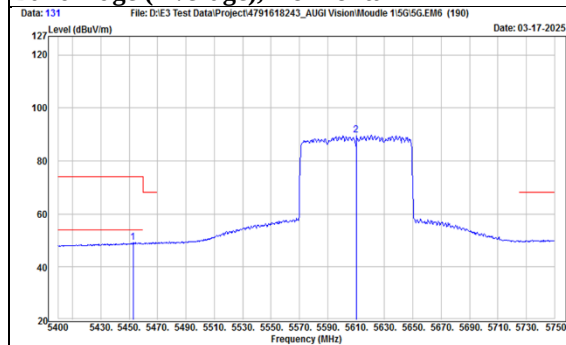
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5456.35	45.66	19.93	65.59	74	-8.41	PK
		5458.8	33.62	19.94	53.56	54	-0.44	AVG
		5469.3	47.71	19.99	67.7	68.2	-0.5	PK
	@	5530	83.39	20.08	103.47	N/A	N/A	PK
	@	5530	68.51	20.08	88.59	N/A	N/A	AVG
Vertical		5456	32.21	19.93	52.14	54	-1.86	AVG
		5459.5	43.77	19.95	63.72	74	-10.28	PK
		5466.5	44.79	19.98	64.77	68.2	-3.43	PK
	@	5530	80.11	20.08	100.19	N/A	N/A	PK
	@	5530	66.9	20.08	86.98	N/A	N/A	AVG



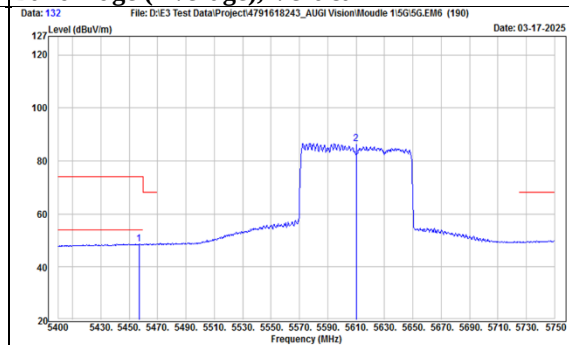
Mode	802.11ax(HE80)	Channel	122
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5421.35	41.08	19.75	60.83	74	-13.17	PK
		5452.85	29.34	19.92	49.26	54	-4.74	AVG
		5464.75	40.12	19.97	60.09	68.2	-8.11	PK
	@	5610	82.4	20.1	102.5	N/A	N/A	PK
	@	5610	69.6	20.1	89.7	N/A	N/A	AVG
		5745.45	42.04	20.39	62.43	68.2	-5.77	PK
Vertical		5444.45	40.98	19.87	60.85	74	-13.15	PK
		5457.05	28.78	19.93	48.71	54	-5.29	AVG
		5468.25	39.9	19.99	59.89	68.2	-8.31	PK
	@	5610	79.22	20.1	99.32	N/A	N/A	PK
	@	5610	66.5	20.1	86.6	N/A	N/A	AVG
		5734.95	41.28	20.29	61.57	68.2	-6.63	PK

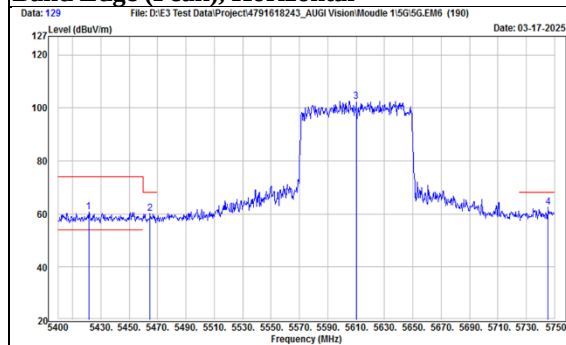
TX, 802.11ax(HE80) (Ch 122)
Band Edge (Average), Horizontal



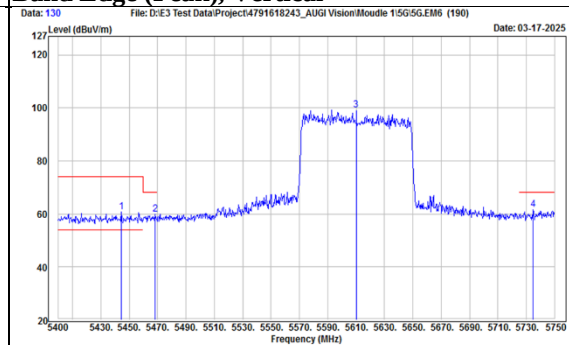
TX, 802.11ax(HE80) (Ch 122)
Band Edge (Average), Vertical



TX, 802.11ax(HE80) (Ch 122)
Band Edge (Peak), Horizontal



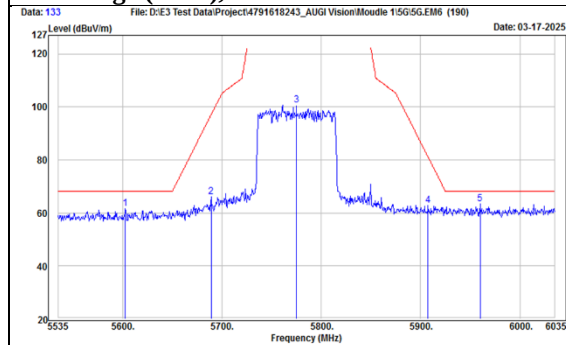
TX, 802.11ax(HE80) (Ch 122)
Band Edge (Peak), Vertical



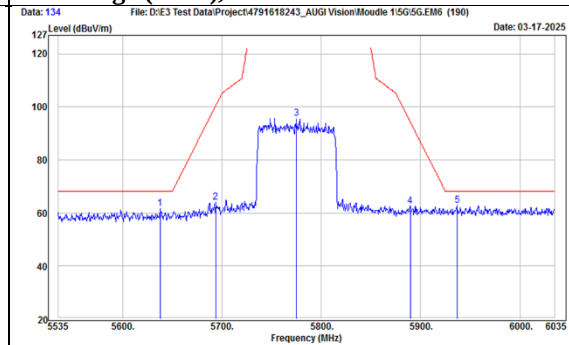
Mode	802.11ax(HE80)	Channel	155
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5602.5	41.61	20.12	61.73	68.2	-6.47	PK
		5689	46.03	19.98	66.01	97.09	-31.08	PK
		5775	79.92	20.72	100.64	N/A	N/A	PK
		5907.5	41.46	21.26	62.72	81.11	-18.39	PK
		5960	42.1	21.24	63.34	68.2	-4.86	PK
Vertical	@	5637.5	41.64	20.06	61.7	68.2	-6.5	PK
		5693.5	43.99	19.96	63.95	100.41	-36.46	PK
		5775	74.97	20.72	95.69	N/A	N/A	PK
		5889.5	41.27	21.27	62.54	94.44	-31.9	PK
		5937	41.51	21.22	62.73	68.2	-5.47	PK

TX, 802.11ax(HE80) (Ch 155)
Band Edge (Peak), Horizontal



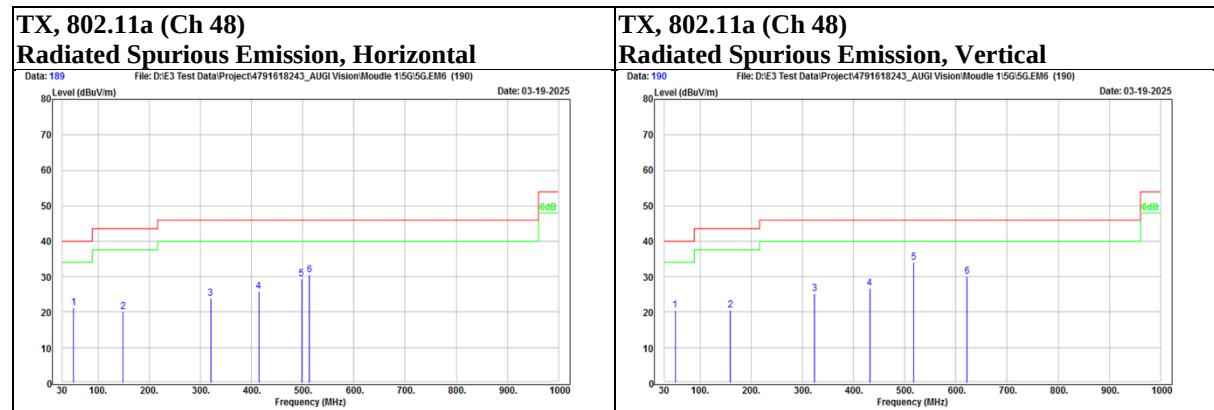
TX, 802.11ax(HE80) (Ch 155)
Band Edge (Peak), Vertical



Below 1 GHz

Mode	802.11a	Channel	48
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		52.31	33.07	-11.77	21.3	40	-18.7	PK
		149.31	32.2	-12.04	20.16	43.5	-23.34	PK
		320.03	33.64	-9.82	23.82	46	-22.18	PK
		414.12	33.05	-7.26	25.79	46	-20.21	PK
		497.54	34.44	-5.01	29.43	46	-16.57	PK
		513.06	35.14	-4.61	30.53	46	-15.47	PK
Vertical		51.34	32.49	-11.84	20.65	40	-19.35	PK
		159.01	31.83	-11.37	20.46	43.5	-23.04	PK
		323.91	34.94	-9.65	25.29	46	-20.71	PK
		431.58	33.23	-6.57	26.66	46	-19.34	PK
		517.91	38.46	-4.42	34.04	46	-11.96	PK
		621.7	32.05	-1.92	30.13	46	-15.87	PK



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Doc No: Form-ULID-004739 (DCS:17-EM-F0878) / 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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Doc No: Form-ULID-004739 (DCS:17-EM-F0878) / 6.1

9.8. 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).

Underwriters Laboratories Taiwan Co., Ltd.

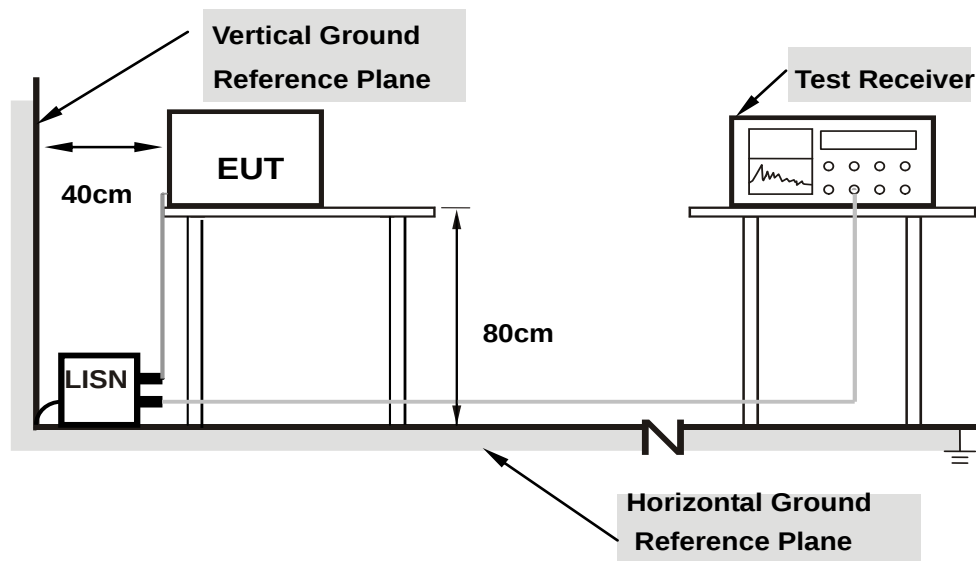
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

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Doc No: Form-ULID-004739 (DCS:17-EM-F0878) / 6.1

Test Setup

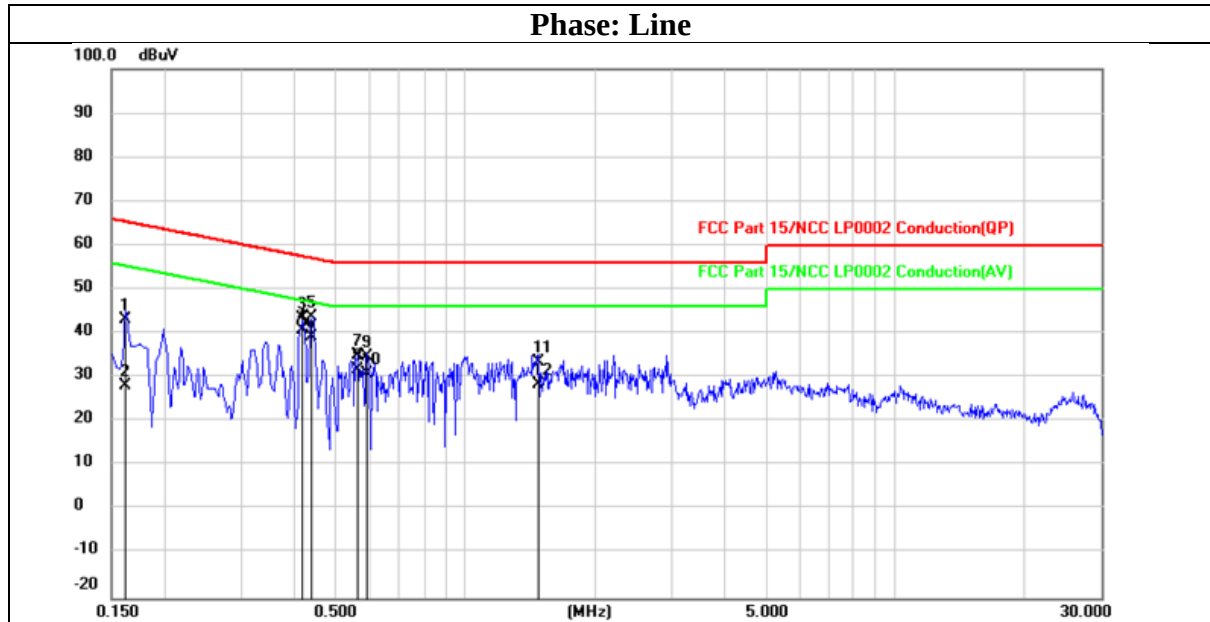


Note: 1.Support units were connected to second LISN.

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

Test Data

Mode	11a_TX5580	Channel	116
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1612	33.31	9.96	43.27	65.40	-22.13	QP
2	0.1612	18.23	9.96	28.19	55.40	-27.21	AVG
3	0.4188	33.54	9.96	43.50	57.47	-13.97	QP
4	0.4188	30.85	9.96	40.81	47.47	-6.66	AVG
5	0.4374	33.75	9.96	43.71	57.11	-13.40	QP
6	0.4374	29.15	9.96	39.11	47.11	-8.00	AVG
7	0.5647	25.13	9.98	35.11	56.00	-20.89	QP
8	0.5647	21.75	9.98	31.73	46.00	-14.27	AVG
9	0.5882	24.64	9.98	34.62	56.00	-21.38	QP
10	0.5882	20.84	9.98	30.82	46.00	-15.18	AVG
11	1.4726	23.58	10.01	33.59	56.00	-22.41	QP
12	1.4726	18.36	10.01	28.37	46.00	-17.63	AVG

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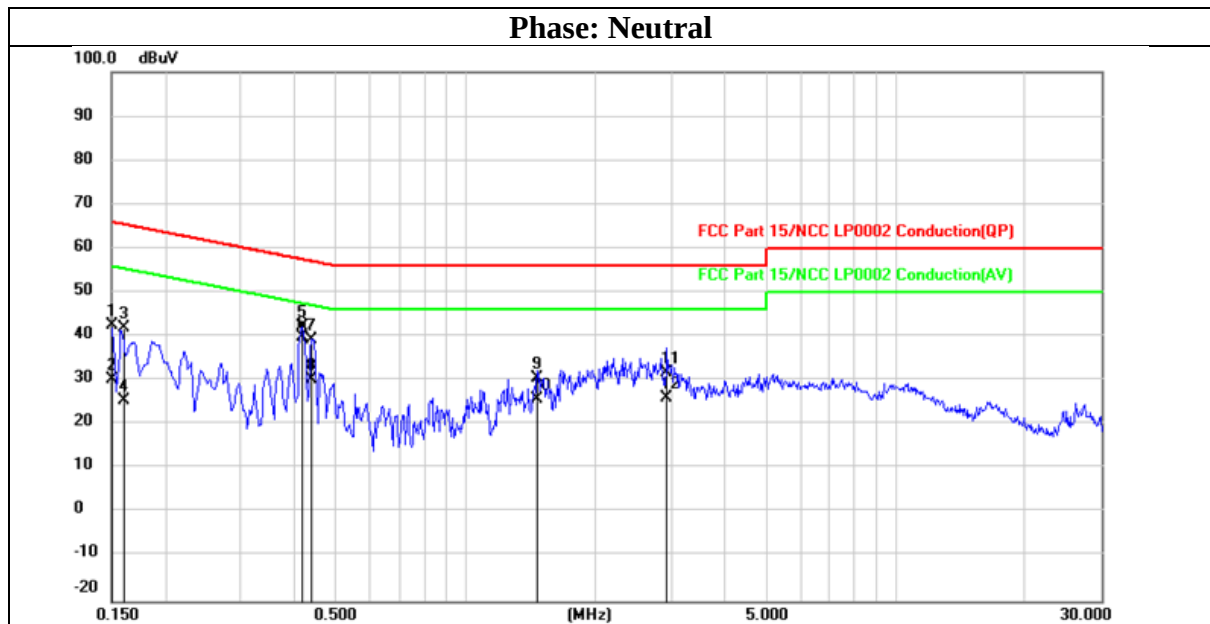
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Mode	11a_TX5580	Channel	116
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	32.63	9.93	42.56	66.00	-23.44	QP
2	0.1500	20.39	9.93	30.32	56.00	-25.68	AVG
3	0.1614	32.02	9.94	41.96	65.39	-23.43	QP
4	0.1614	15.66	9.94	25.60	55.39	-29.79	AVG
5	0.4184	32.18	9.94	42.12	57.48	-15.36	QP
6	0.4184	29.87	9.94	39.81	47.48	-7.67	AVG
7	0.4353	29.17	9.94	39.11	57.15	-18.04	QP
8	0.4353	20.26	9.94	30.20	47.15	-16.95	AVG
9	1.4710	20.59	9.98	30.57	56.00	-25.43	QP
10	1.4710	15.84	9.98	25.82	46.00	-20.18	AVG
11	2.9414	21.87	10.02	31.89	56.00	-24.11	QP
12	2.9414	16.15	10.02	26.17	46.00	-19.83	AVG

END OF REPORT

Underwriters Laboratories Taiwan Co., Ltd.

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