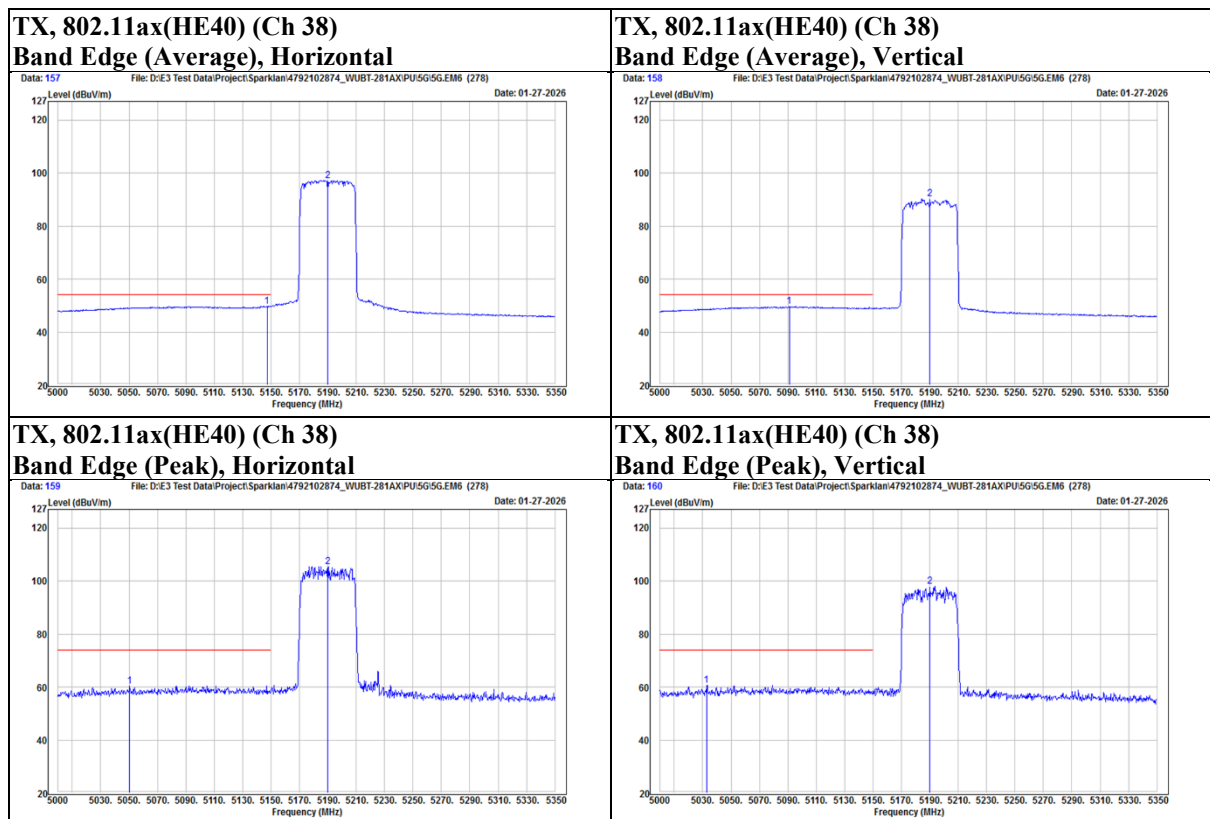


Mode	802.11ax(HE40)	Channel	38
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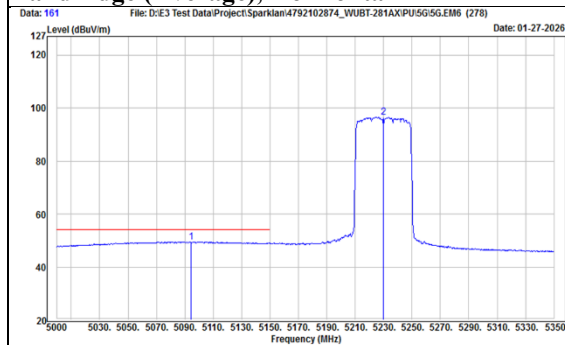
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5050.4	42.16	18.2	60.36	74	-13.64	PK
		5147.35	31.19	18.53	49.72	54	-4.28	AVG
	@	5190	87.2	18.24	105.44	N/A	N/A	PK
	@	5190	78.85	18.24	97.09	N/A	N/A	AVG
Vertical		5032.9	42.67	17.98	60.65	74	-13.35	PK
		5091	31.07	18.58	49.65	54	-4.35	AVG
	@	5190	79.86	18.24	98.1	N/A	N/A	PK
	@	5190	71.95	18.24	90.19	N/A	N/A	AVG



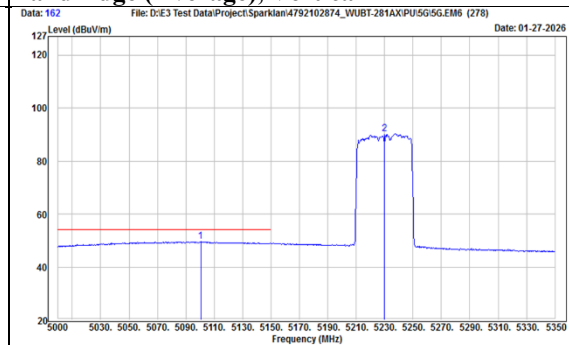
Mode	802.11ax(HE40)	Channel	46
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5094.5	30.85	18.62	49.47	54	-4.53	AVG
		5103.95	42.5	18.64	61.14	74	-12.86	PK
	@	5230	87.4	18.15	105.55	N/A	N/A	PK
	@	5230	78.33	18.15	96.48	N/A	N/A	AVG
Vertical		5078.05	42.74	18.46	61.2	74	-12.8	PK
		5100.45	30.99	18.66	49.65	54	-4.35	AVG
	@	5230	81.74	18.15	99.89	N/A	N/A	PK
	@	5230	72.13	18.15	90.28	N/A	N/A	AVG

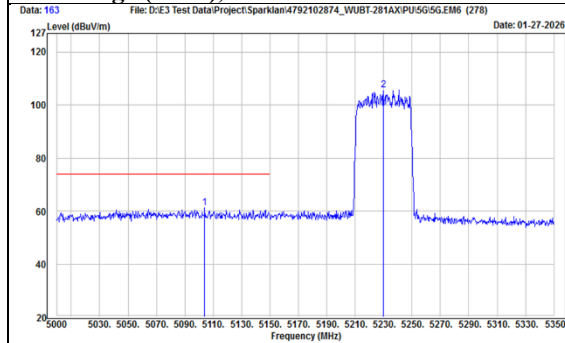
TX, 802.11ax(HE40) (Ch 46)
Band Edge (Average), Horizontal



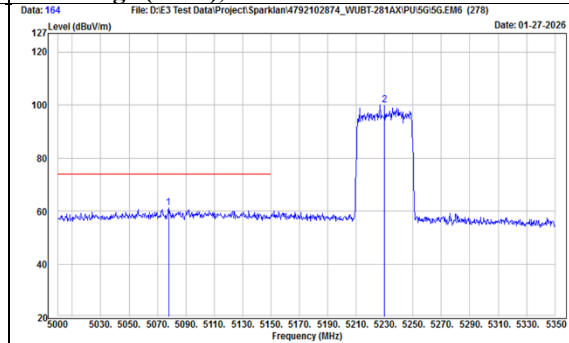
TX, 802.11ax(HE40) (Ch 46)
Band Edge (Average), Vertical



TX, 802.11ax(HE40) (Ch 46)
Band Edge (Peak), Horizontal

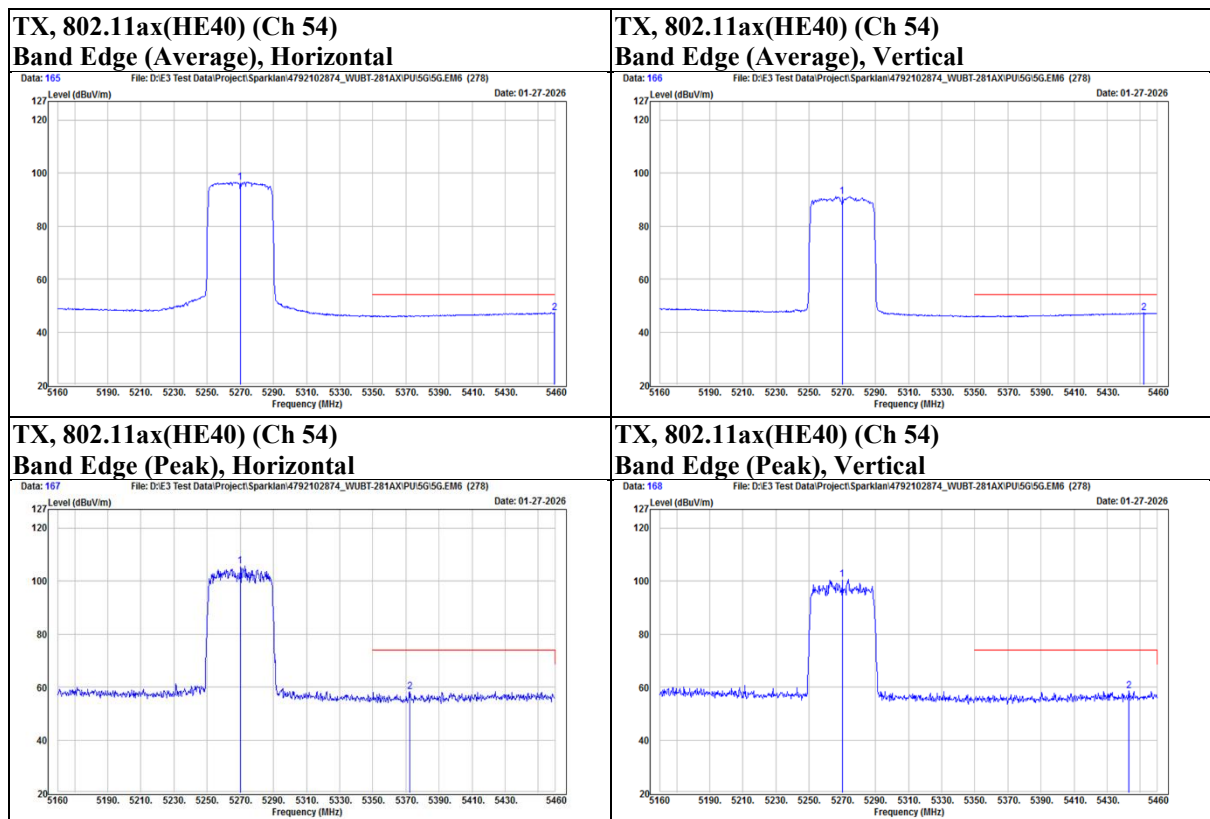


TX, 802.11ax(HE40) (Ch 46)
Band Edge (Peak), Vertical



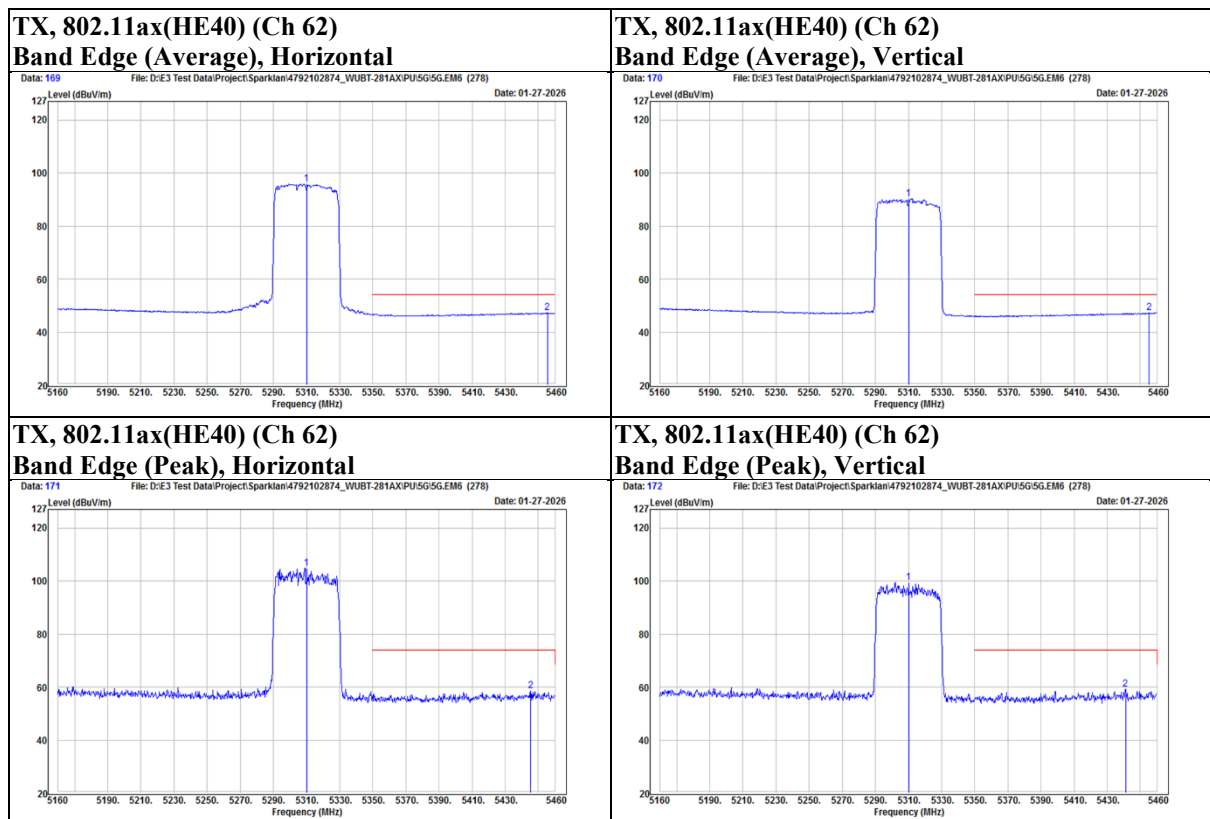
Mode	802.11ax(HE40)	Channel	54
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5270	87.58	18.06	105.64	N/A	N/A	PK
	@	5270	78.52	18.06	96.58	N/A	N/A	AVG
		5372.4	40.21	17.99	58.2	74	-15.8	PK
		5459.7	28.48	18.7	47.18	54	-6.82	AVG
Vertical	@	5270	82.55	18.06	100.61	N/A	N/A	PK
	@	5270	73.03	18.06	91.09	N/A	N/A	AVG
		5443.2	40	18.57	58.57	74	-15.43	PK
		5452.2	28.52	18.64	47.16	54	-6.84	AVG



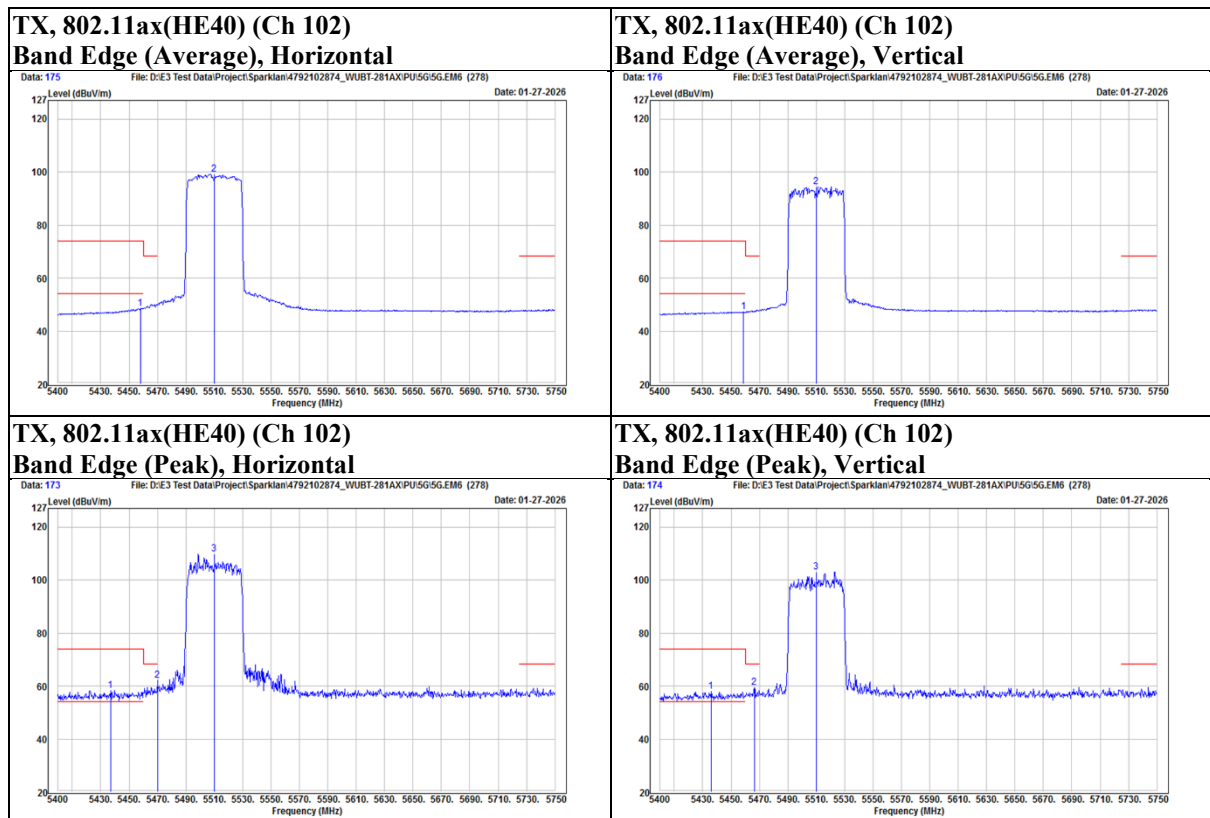
Mode	802.11ax(HE40)	Channel	62
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5310	86.74	17.95	104.69	N/A	N/A	PK
	@	5310	77.84	17.95	95.79	N/A	N/A	AVG
		5445.3	39.93	18.59	58.52	74	-15.48	PK
		5455.5	28.56	18.67	47.23	54	-6.77	AVG
Vertical	@	5310	81.56	17.95	99.51	N/A	N/A	PK
	@	5310	72.44	17.95	90.39	N/A	N/A	AVG
		5441.1	40.51	18.55	59.06	74	-14.94	PK
		5455.2	28.53	18.67	47.2	54	-6.8	AVG



Mode	802.11ax(HE40)	Channel	102
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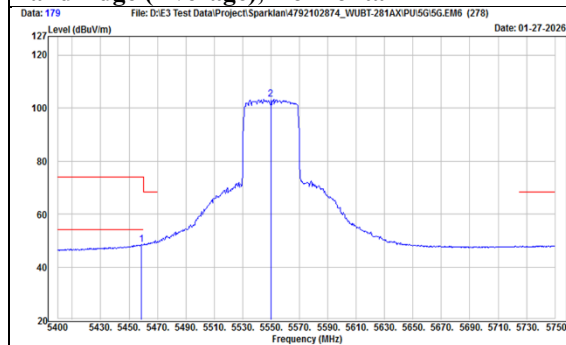
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5437.1	39.87	18.51	58.38	74	-15.62	PK
		5458.1	29.84	18.69	48.53	54	-5.47	AVG
		5470	43.21	18.77	61.98	68.2	-6.22	PK
	@	5510	90.92	18.95	109.87	N/A	N/A	PK
	@	5510	80.09	18.95	99.04	N/A	N/A	AVG
Vertical		5436.05	39.44	18.5	57.94	74	-16.06	PK
		5458.8	28.44	18.68	47.12	54	-6.88	AVG
		5466.5	40.59	18.74	59.33	68.2	-8.87	PK
	@	5510	84.15	18.95	103.1	N/A	N/A	PK
	@	5510	75.48	18.95	94.43	N/A	N/A	AVG



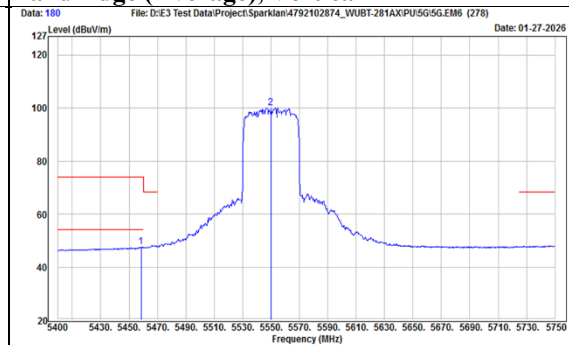
Mode	802.11ax(HE40)	Channel	110
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5448.3	40.6	18.62	59.22	74	-14.78	PK
		5458.8	29.85	18.68	48.53	54	-5.47	AVG
		5470	45.43	18.77	64.2	68.2	-4	PK
	@	5550	92.45	18.83	111.28	N/A	N/A	PK
	@	5550	84.39	18.83	103.22	N/A	N/A	AVG
		5749.65	40.9	19.02	59.92	68.2	-8.28	PK
Vertical		5408.4	40.08	18.25	58.33	74	-15.67	PK
		5458.45	28.79	18.68	47.47	54	-6.53	AVG
		5465.1	40.34	18.73	59.07	68.2	-9.13	PK
	@	5550	89.65	18.83	108.48	N/A	N/A	PK
	@	5550	81.31	18.83	100.14	N/A	N/A	AVG
		5736	40.69	18.92	59.61	68.2	-8.59	PK

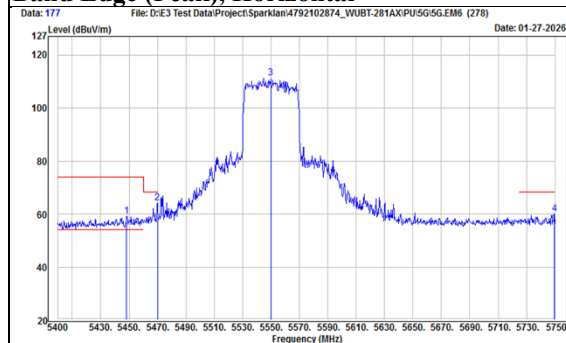
TX, 802.11ax(HE40) (Ch 110)
Band Edge (Average), Horizontal



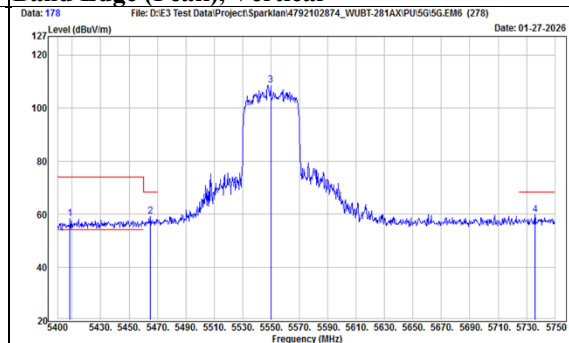
TX, 802.11ax(HE40) (Ch 110)
Band Edge (Average), Vertical



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



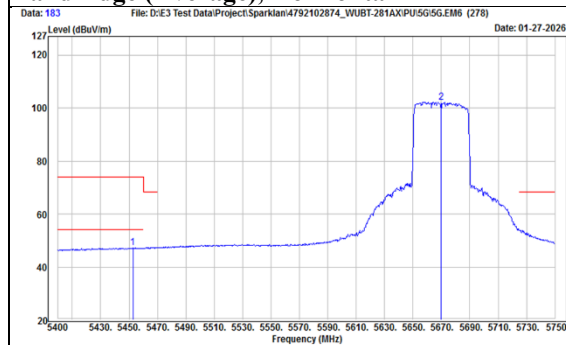
TX, 802.11ax(HE40) (Ch 110)
Band Edge (Peak), Vertical



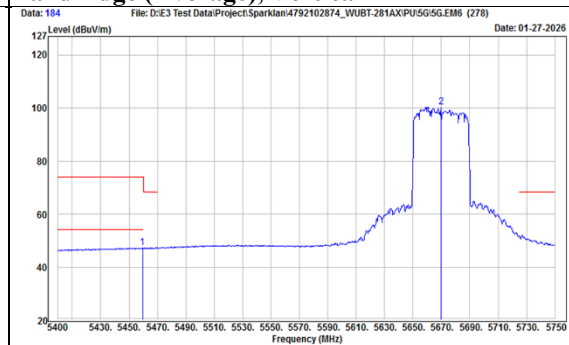
Mode	802.11ax(HE40)	Channel	134
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5414	39.94	18.3	58.24	74	-15.76	PK
		5452.85	28.52	18.66	47.18	54	-6.82	AVG
		5468.6	39.49	18.76	58.25	68.2	-9.95	PK
	@	5670	92.83	18.65	111.48	N/A	N/A	PK
	@	5670	83.54	18.65	102.19	N/A	N/A	AVG
		5725	46.43	18.85	65.28	68.2	-2.92	PK
Vertical		5454.25	40.64	18.67	59.31	74	-14.69	PK
		5459.5	28.45	18.69	47.14	54	-6.86	AVG
		5460.9	39.75	18.71	58.46	68.2	-9.74	PK
	@	5670	89.33	18.65	107.98	N/A	N/A	PK
	@	5670	81.58	18.65	100.23	N/A	N/A	AVG
		5725.85	46.98	18.86	65.84	68.2	-2.36	PK

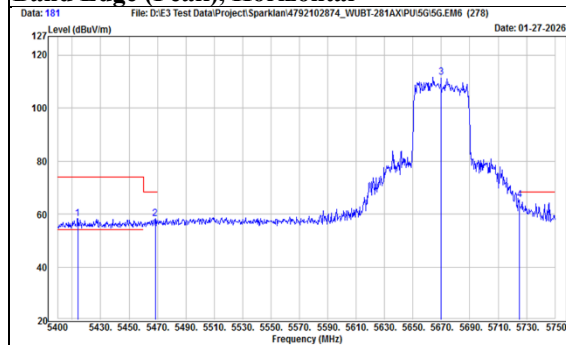
TX, 802.11ax(HE40) (Ch 134)
Band Edge (Average), Horizontal



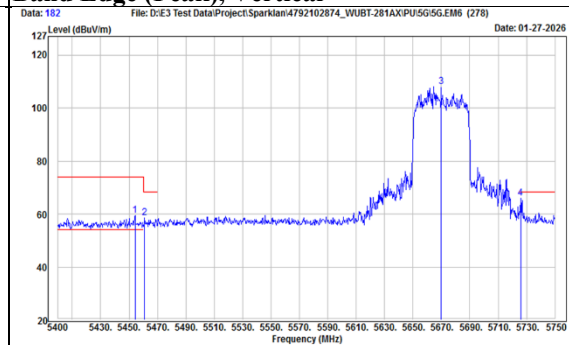
TX, 802.11ax(HE40) (Ch 134)
Band Edge (Average), Vertical



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



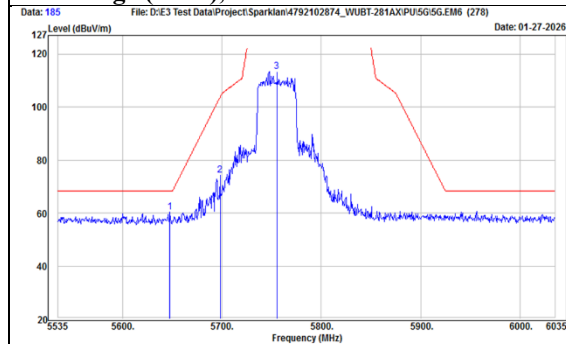
TX, 802.11ax(HE40) (Ch 134)
Band Edge (Peak), Vertical



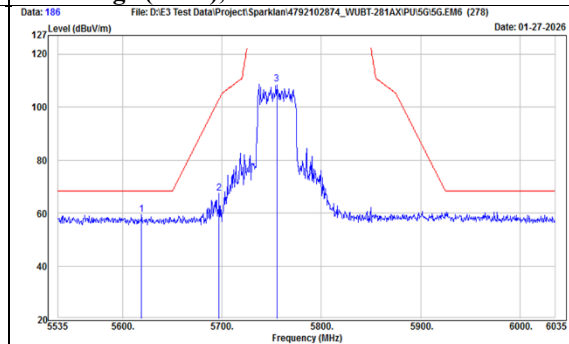
Mode	802.11ax(HE40)	Channel	151
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5647.5	41.63	18.62	60.25	68.2	-7.95	PK
		5698	55.45	18.67	74.12	103.73	-29.61	PK
	@	5755	94.18	19.05	113.23	N/A	N/A	PK
Vertical		5619	40.7	18.66	59.36	68.2	-8.84	PK
		5697	48.8	18.67	67.47	102.99	-35.52	PK
	@	5755	89.46	19.05	108.51	N/A	N/A	PK

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



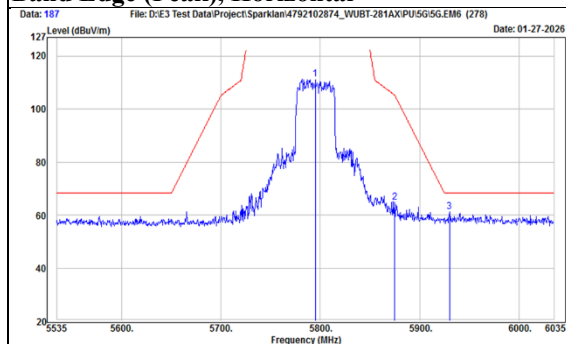
TX, 802.11ax(HE40) (Ch 151)
Band Edge (Peak), Vertical



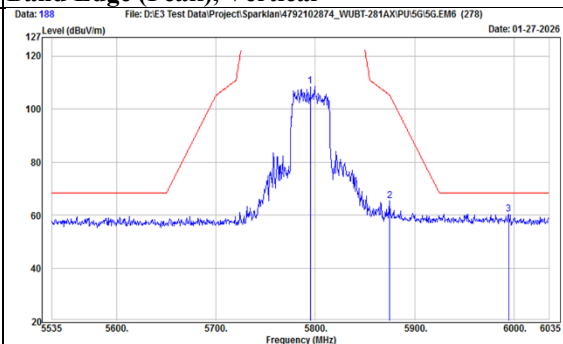
Mode	802.11ax(HE40)	Channel	159
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5795	92.04	19.24	111.28	N/A	N/A	PK
		5875	45.03	19.74	64.77	105.2	-40.43	PK
		5930	41.45	19.77	61.22	68.2	-6.98	PK
Vertical	@	5795	89.3	19.24	108.54	N/A	N/A	PK
		5875	45.6	19.74	65.34	105.2	-39.86	PK
		5994.5	40.56	19.83	60.39	68.2	-7.81	PK

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

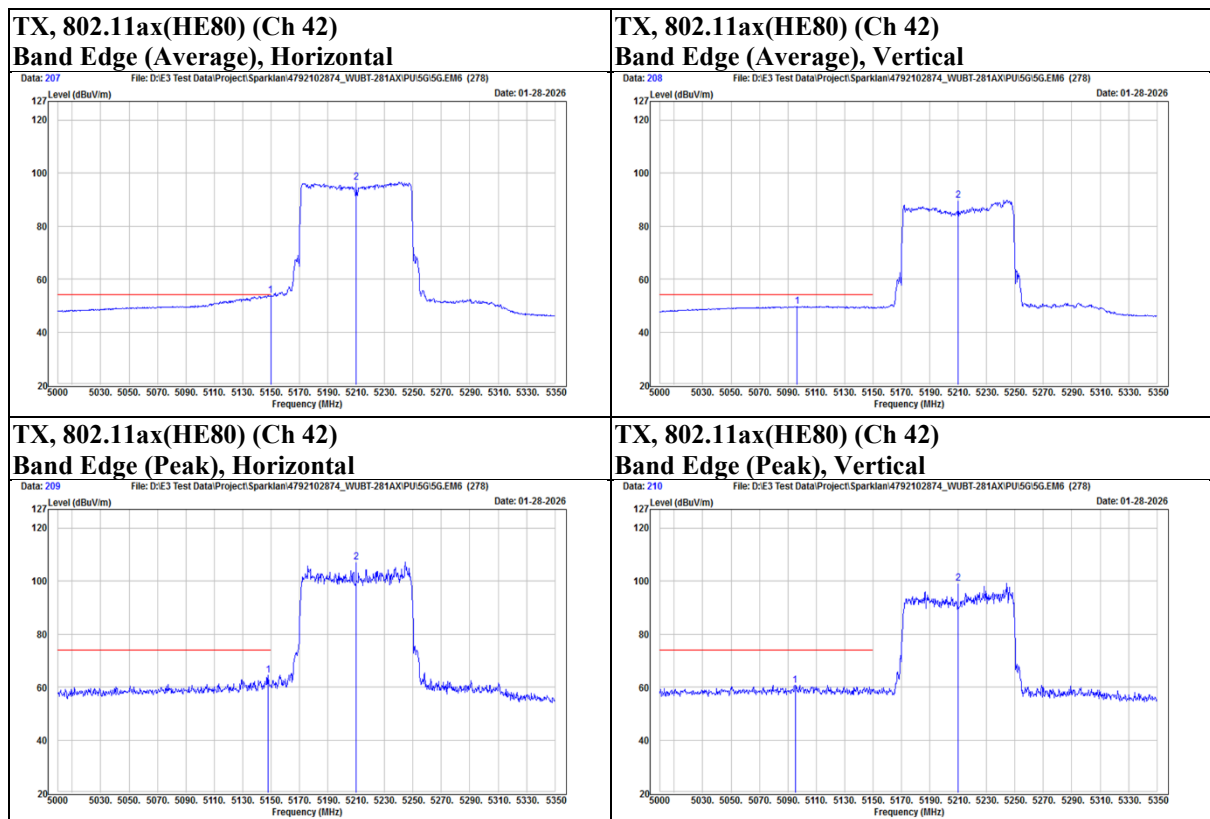


**TX, 802.11ax(HE40) (Ch 159)
Band Edge (Peak), Vertical**



Mode	802.11ax(HE80)	Channel	42
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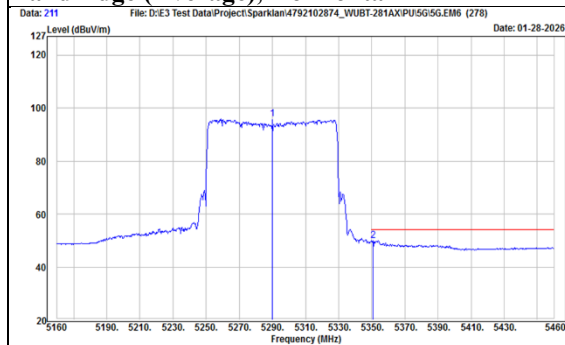
Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5148.05	45.97	18.53	64.5	74	-9.5	PK
		5149.8	35.28	18.52	53.8	54	-0.2	AVG
	@	5210	88.9	18.16	107.06	N/A	N/A	PK
	@	5210	78.3	18.16	96.46	N/A	N/A	AVG
Vertical		5095.2	42.11	18.62	60.73	74	-13.27	PK
		5096.6	31.03	18.63	49.66	54	-4.34	AVG
	@	5210	80.97	18.16	99.13	N/A	N/A	PK
	@	5210	71.64	18.16	89.8	N/A	N/A	AVG



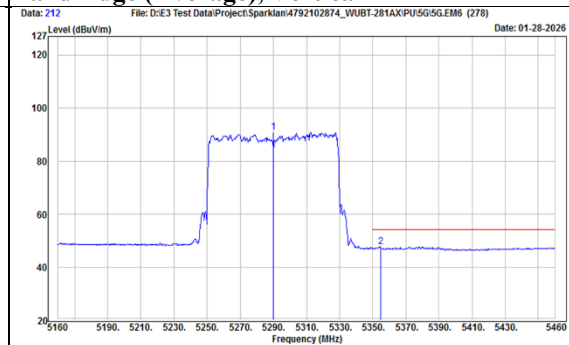
Mode	802.11ax(HE80)	Channel	58
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5290	86.99	18.01	105	N/A	N/A	PK
	@	5290	77.74	18.01	95.75	N/A	N/A	AVG
		5350.8	32.12	17.83	49.95	54	-4.05	AVG
		5368.8	42.16	17.96	60.12	74	-13.88	PK
Vertical	@	5290	81.41	18.01	99.42	N/A	N/A	PK
	@	5290	72.72	18.01	90.73	N/A	N/A	AVG
		5355	29.76	17.86	47.62	54	-6.38	AVG
		5448.3	40.25	18.62	58.87	74	-15.13	PK

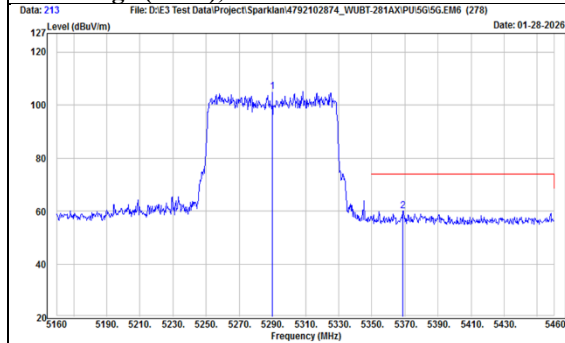
TX, 802.11ax(HE80) (Ch 58)
Band Edge (Average), Horizontal



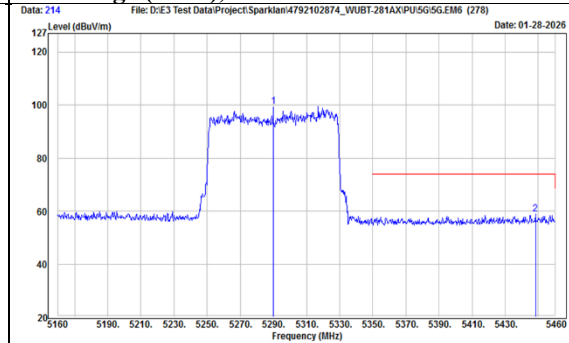
TX, 802.11ax(HE80) (Ch 58)
Band Edge (Average), Vertical



TX, 802.11ax(HE80) (Ch 58)
Band Edge (Peak), Horizontal



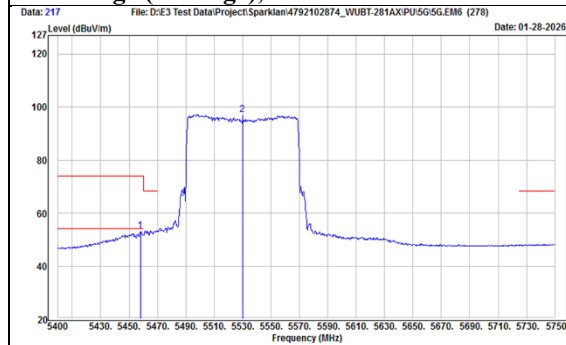
TX, 802.11ax(HE80) (Ch 58)
Band Edge (Peak), Vertical



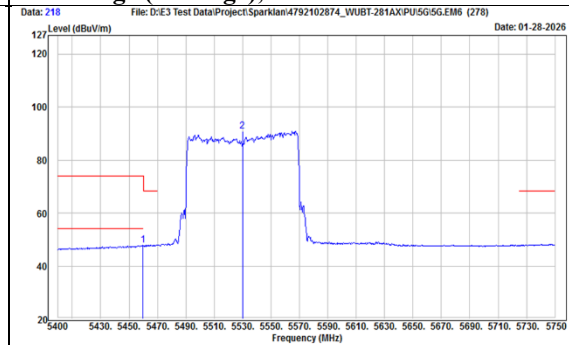
Mode	802.11ax(HE80)	Channel	106
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5431.5	47.84	18.46	66.3	74	-7.7	PK
		5458.1	34.4	18.69	53.09	54	-0.91	AVG
		5467.2	49.13	18.75	67.88	68.2	-0.32	PK
	@	5530	88.48	18.89	107.37	N/A	N/A	PK
	@	5530	78.12	18.89	97.01	N/A	N/A	AVG
Vertical		5450.75	42.25	18.63	60.88	74	-13.12	PK
		5459.85	29.06	18.7	47.76	54	-6.24	AVG
		5462.65	40.26	18.72	58.98	68.2	-9.22	PK
	@	5530	80.8	18.89	99.69	N/A	N/A	PK
	@	5530	72.04	18.89	90.93	N/A	N/A	AVG

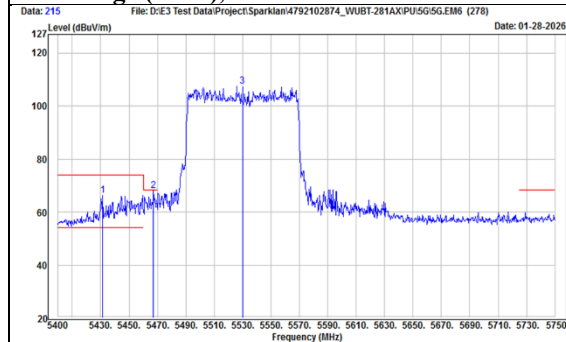
TX, 802.11ax(HE80) (Ch 106)
Band Edge (Average), Horizontal



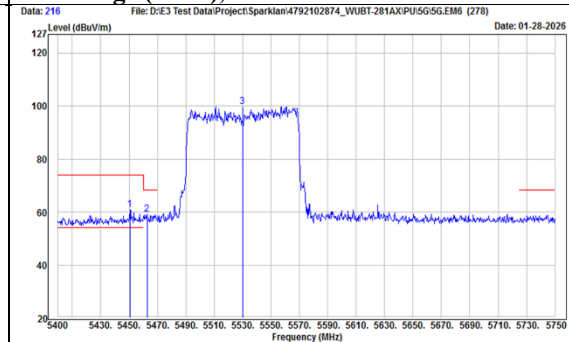
TX, 802.11ax(HE80) (Ch 106)
Band Edge (Average), Vertical



TX, 802.11ax(HE80) (Ch 106)
Band Edge (Peak), Horizontal



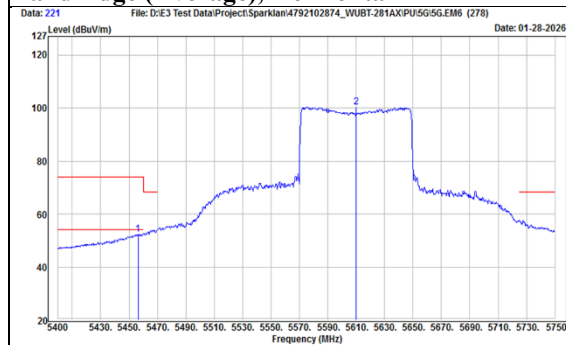
TX, 802.11ax(HE80) (Ch 106)
Band Edge (Peak), Vertical



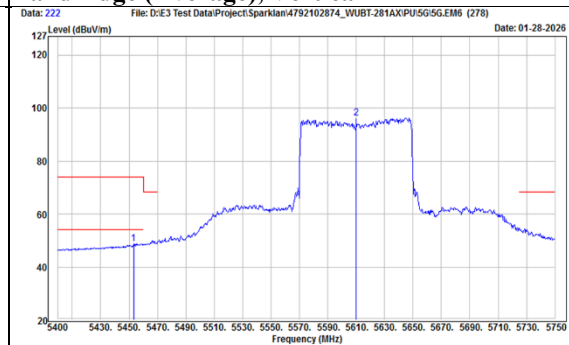
Mode	802.11ax(HE80)	Channel	122
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		5454.6	43.96	18.67	62.63	74	-11.37	PK
		5456.35	33.6	18.68	52.28	54	-1.72	AVG
		5460.55	45.48	18.7	64.18	68.2	-4.02	PK
	@	5610	90.18	18.66	108.84	N/A	N/A	PK
	@	5610	81.75	18.66	100.41	N/A	N/A	AVG
		5734.95	49.06	18.91	67.97	68.2	-0.23	PK
Vertical		5445.5	40.11	18.59	58.7	74	-15.3	PK
		5453.2	30.14	18.66	48.8	54	-5.2	AVG
		5470	41.35	18.77	60.12	68.2	-8.08	PK
	@	5610	87.93	18.66	106.59	N/A	N/A	PK
	@	5610	77.42	18.66	96.08	N/A	N/A	AVG
		5733.2	44.56	18.9	63.46	68.2	-4.74	PK

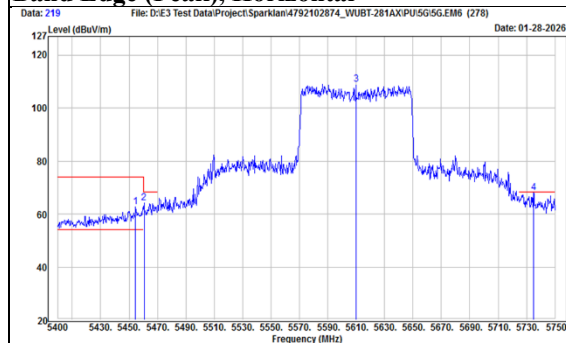
TX, 802.11ax(HE80) (Ch 122)
Band Edge (Average), Horizontal



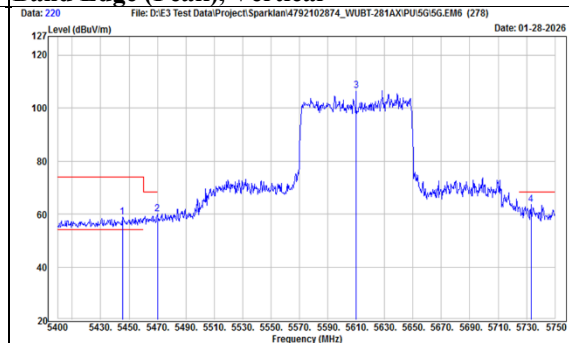
TX, 802.11ax(HE80) (Ch 122)
Band Edge (Average), Vertical



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



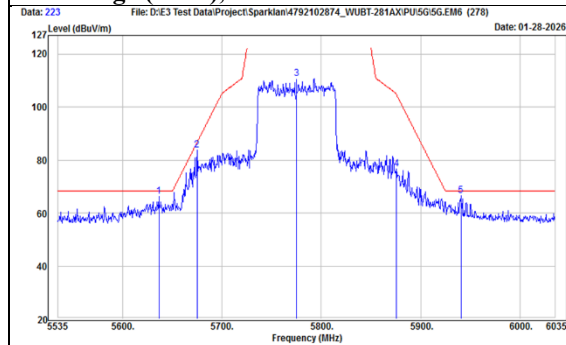
TX, 802.11ax(HE80) (Ch 122)
Band Edge (Peak), Vertical



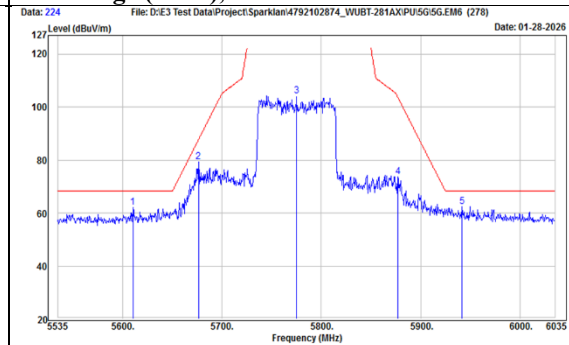
Mode	802.11ax(HE80)	Channel	155
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal	@	5636.5	47.57	18.65	66.22	68.2	-1.98	PK
		5675	65.12	18.65	83.77	86.74	-2.97	PK
		5775	91.5	19.14	110.64	N/A	N/A	PK
		5875.5	56.95	19.74	76.69	104.83	-28.14	PK
		5940.5	46.85	19.73	66.58	68.2	-1.62	PK
Vertical	@	5610.5	43.53	18.66	62.19	68.2	-6.01	PK
		5676.5	60.61	18.65	79.26	87.85	-8.59	PK
		5775	84.9	19.14	104.04	N/A	N/A	PK
		5877	53.96	19.75	73.71	103.71	-30	PK
		5941.5	42.64	19.72	62.36	68.2	-5.84	PK

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



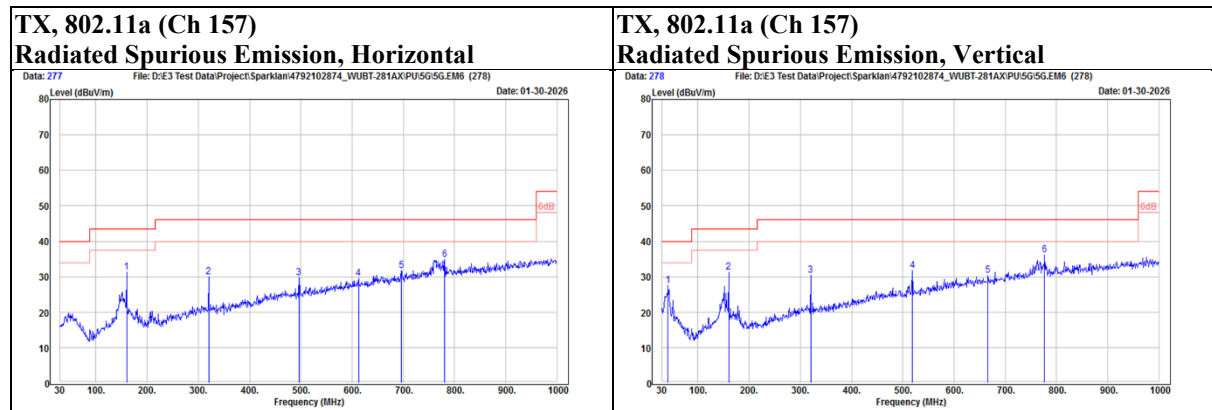
TX, 802.11ax(HE80) (Ch 155)
Band Edge (Peak), Vertical



Below 1 GHz

Mode	802.11a	Channel	157
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		159.98	42.53	-11.38	31.15	43.5	-12.35	PK
		320.03	39.31	-9.49	29.82	46	-16.18	PK
		496.57	34.59	-4.87	29.72	46	-16.28	PK
		612.97	31.23	-1.77	29.46	46	-16.54	PK
		696.39	32	-0.4	31.6	46	-14.4	PK
		780.78	33.58	1.28	34.86	46	-11.14	PK
Vertical		41.64	39.89	-12.43	27.46	40	-12.54	PK
		159.98	42.67	-11.38	31.29	43.5	-12.21	PK
		320.03	39.95	-9.49	30.46	46	-15.54	PK
		518.88	35.84	-4.26	31.58	46	-14.42	PK
		666.32	31.27	-1.02	30.25	46	-15.75	PK
		776.9	34.88	1.25	36.13	46	-9.87	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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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:

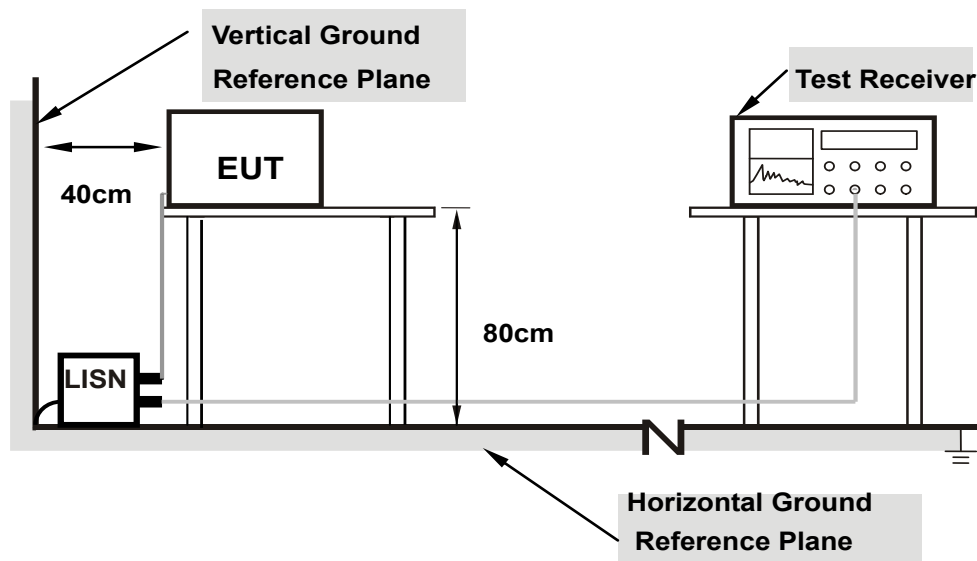
1. The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.
2. All modes of operation were investigated (includes all external accessories) and the worst-case emissions are reported, the other emission levels 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).

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Test Setup

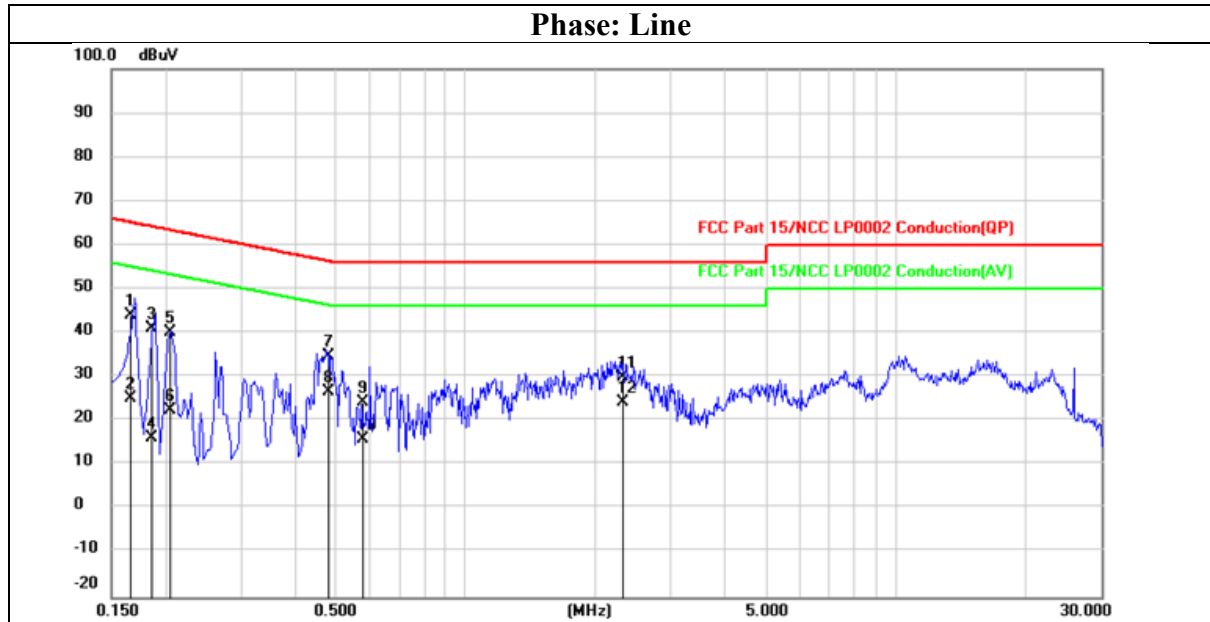


Note: 1.Support units were connected to second LISN.

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

Test Data

Mode	11a_TX5785	Channel	157
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1658	34.10	9.95	44.05	65.17	-21.12	QP
2	0.1658	15.27	9.95	25.22	55.17	-29.95	AVG
3	0.1862	31.15	9.95	41.10	64.20	-23.10	QP
4	0.1862	6.28	9.95	16.23	54.20	-37.97	AVG
5	0.2045	30.13	9.95	40.08	63.43	-23.35	QP
6	0.2045	12.62	9.95	22.57	53.43	-30.86	AVG
7	0.4786	24.81	9.98	34.79	56.36	-21.57	QP
8	0.4786	16.68	9.98	26.66	46.36	-19.70	AVG
9	0.5808	14.36	9.98	24.34	56.00	-31.66	QP
10	0.5808	5.97	9.98	15.95	46.00	-30.05	AVG
11	2.3160	19.84	10.11	29.95	56.00	-26.05	QP
12	2.3160	14.08	10.11	24.19	46.00	-21.81	AVG

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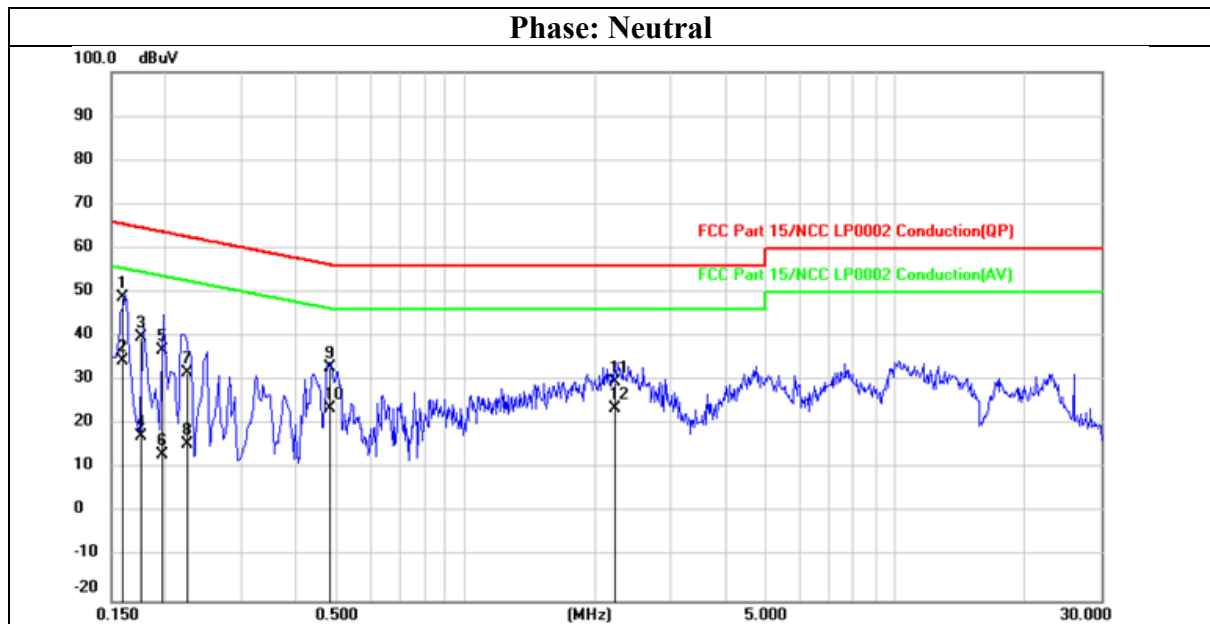
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Mode	11a_TX5785	Channel	157
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1586	38.85	9.94	48.79	65.54	-16.75	QP
2	0.1586	24.66	9.94	34.60	55.54	-20.94	AVG
3	0.1754	29.84	9.93	39.77	64.70	-24.93	QP
4	0.1754	7.30	9.93	17.23	54.70	-37.47	AVG
5	0.1960	26.84	9.93	36.77	63.78	-27.01	QP
6	0.1960	3.35	9.93	13.28	53.78	-40.50	AVG
7	0.2256	21.92	9.93	31.85	62.61	-30.76	QP
8	0.2256	5.69	9.93	15.62	52.61	-36.99	AVG
9	0.4831	22.89	9.94	32.83	56.29	-23.46	QP
10	0.4831	13.78	9.94	23.72	46.29	-22.57	AVG
11	2.2179	19.60	10.00	29.60	56.00	-26.40	QP
12	2.2179	13.58	10.00	23.58	46.00	-22.42	AVG

END OF REPORT

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