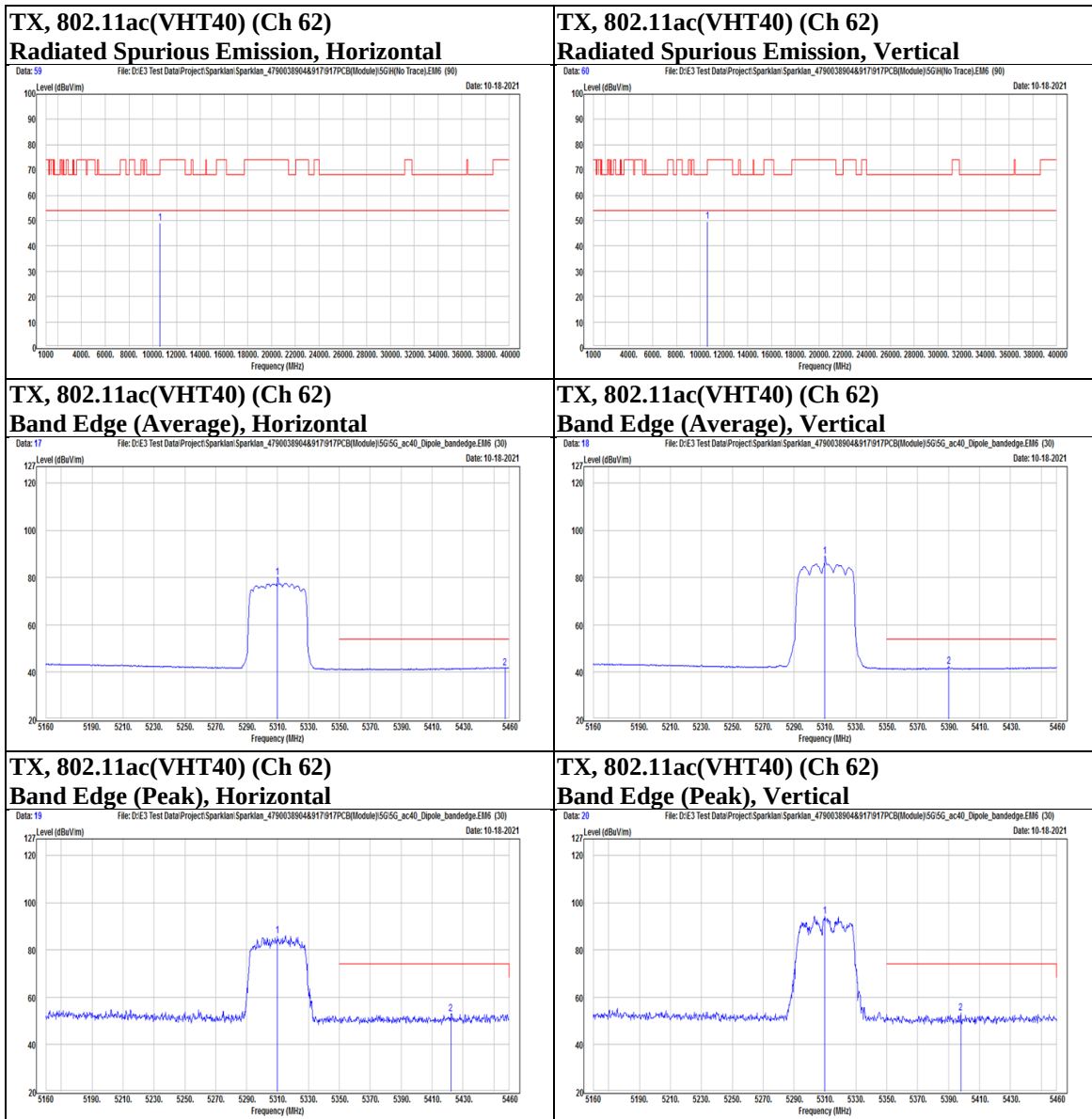






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Mode	802.11ac(VHT40)	Channel	102
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5429.75	40.31	13.57	53.88	74	-20.12	PK
		5429.75	28	13.57	41.57	54	-12.43	AVG
		5461.6	38.93	13.71	52.64	68.2	-15.56	PK
	@	5510	75.93	13.84	89.77	N/A	N/A	PK
	@	5510	65.8	13.84	79.64	N/A	N/A	AVG
	*	11020	31.33	18.32	49.65	74	-24.35	PK
Vertical		5410.5	40.1	13.47	53.57	74	-20.43	PK
		5410.5	28.2	13.47	41.67	54	-12.33	AVG
		5467.55	39.78	13.73	53.51	68.2	-14.69	PK
	@	5510	83.42	13.84	97.26	N/A	N/A	PK
	@	5510	72.9	13.84	86.74	N/A	N/A	AVG
	*	11020	31.69	18.32	50.01	74	-23.99	PK

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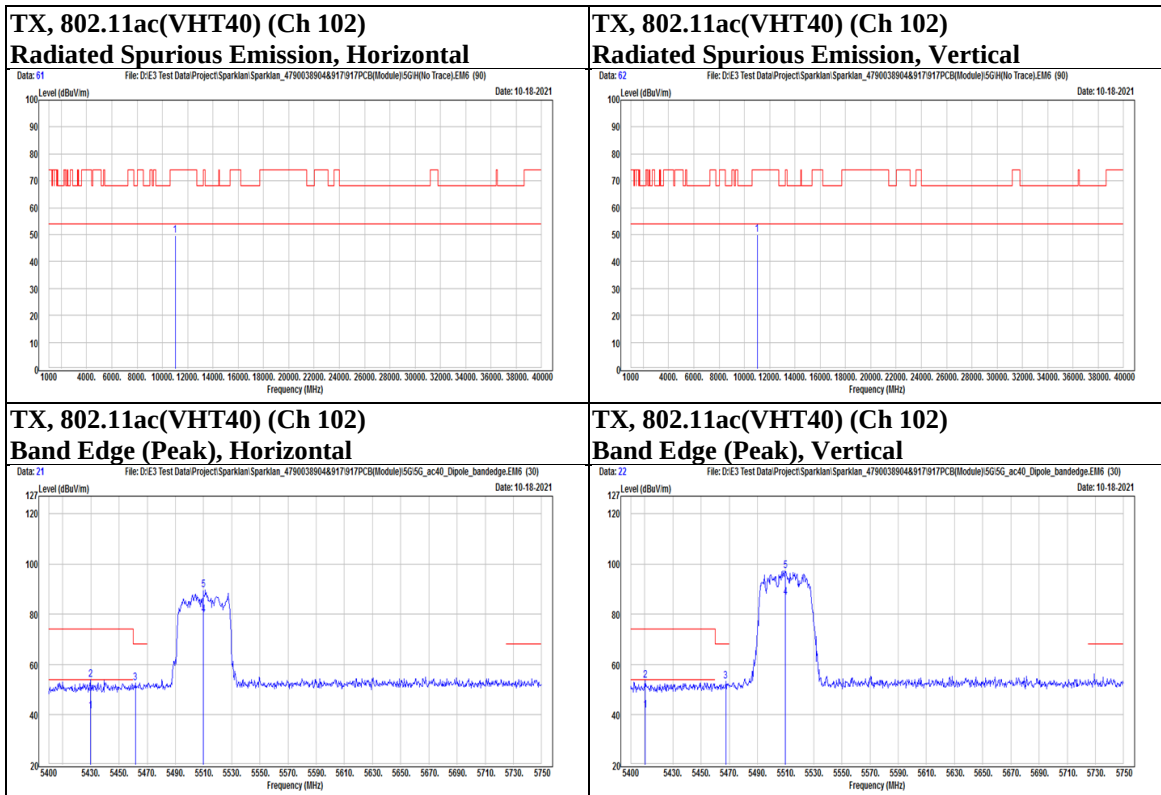
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Mode	802.11ac(VHT40)	Channel	110
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5449	39.72	13.67	53.39	74	-20.61	PK
		5449	28.1	13.67	41.77	54	-12.23	AVG
		5466.5	38.52	13.72	52.24	68.2	-15.96	PK
	@	5550	87.11	13.88	100.99	N/A	N/A	PK
	@	5550	77.31	13.88	91.19	N/A	N/A	AVG
		5739.15	39.97	14.25	54.22	68.2	-13.98	PK
	*	11100	31.55	18.49	50.04	74	-23.96	PK
Vertical		5452.5	40.4	13.67	54.07	74	-19.93	PK
		5452.5	28.31	13.67	41.98	54	-12.02	AVG
		5461.25	39.88	13.71	53.59	68.2	-14.61	PK
	@	5550	92.65	13.88	106.53	N/A	N/A	PK
	@	5550	82.51	13.88	96.39	N/A	N/A	AVG
		5737.05	40.48	14.24	54.72	68.2	-13.48	PK
	*	11100	31.16	18.49	49.65	74	-24.35	PK

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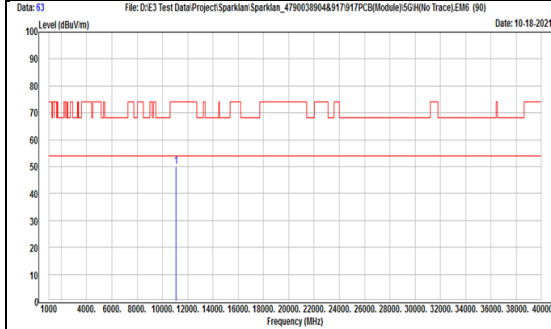
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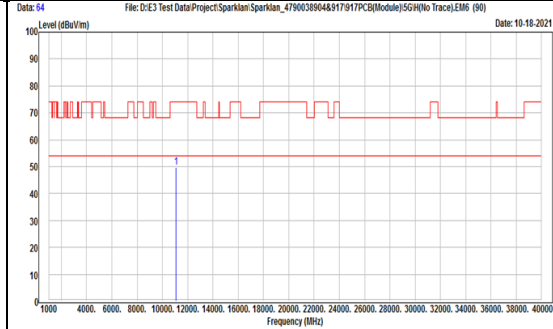


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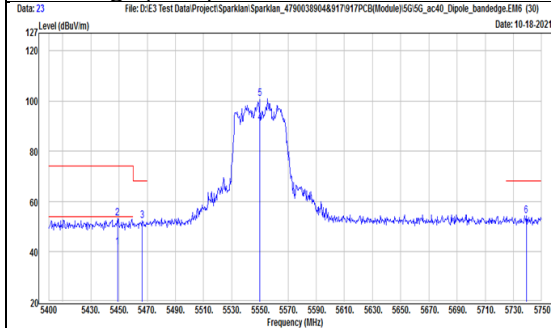
TX, 802.11ac(VHT40) (Ch 110)
Radiated Spurious Emission, Horizontal



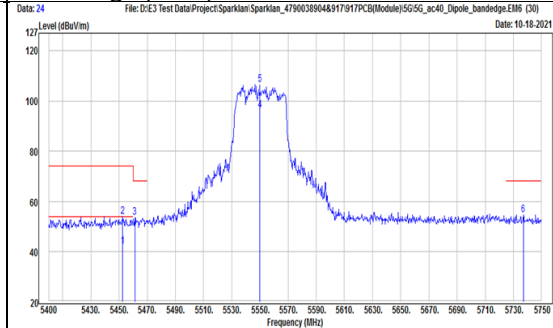
TX, 802.11ac(VHT40) (Ch 110)
Radiated Spurious Emission, Vertical



TX, 802.11ac(VHT40) (Ch 110)
Band Edge (Peak), Horizontal



TX, 802.11ac(VHT40) (Ch 110)
Band Edge (Peak), Vertical



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Mode	802.11ac(VHT40)	Channel	134
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5670	83.37	14.02	97.39	N/A	N/A	PK
	@	5670	73.1	14.02	87.12	N/A	N/A	AVG
		5743.35	40.43	14.27	54.7	68.2	-13.5	PK
	*	11340	29.7	18.55	48.25	74	-25.75	PK
Vertical	@	5670	89.77	14.02	103.79	N/A	N/A	PK
	@	5670	79.3	14.02	93.32	N/A	N/A	AVG
		5732.5	40.33	14.22	54.55	68.2	-13.65	PK
	*	11340	30.78	18.55	49.33	74	-24.67	PK

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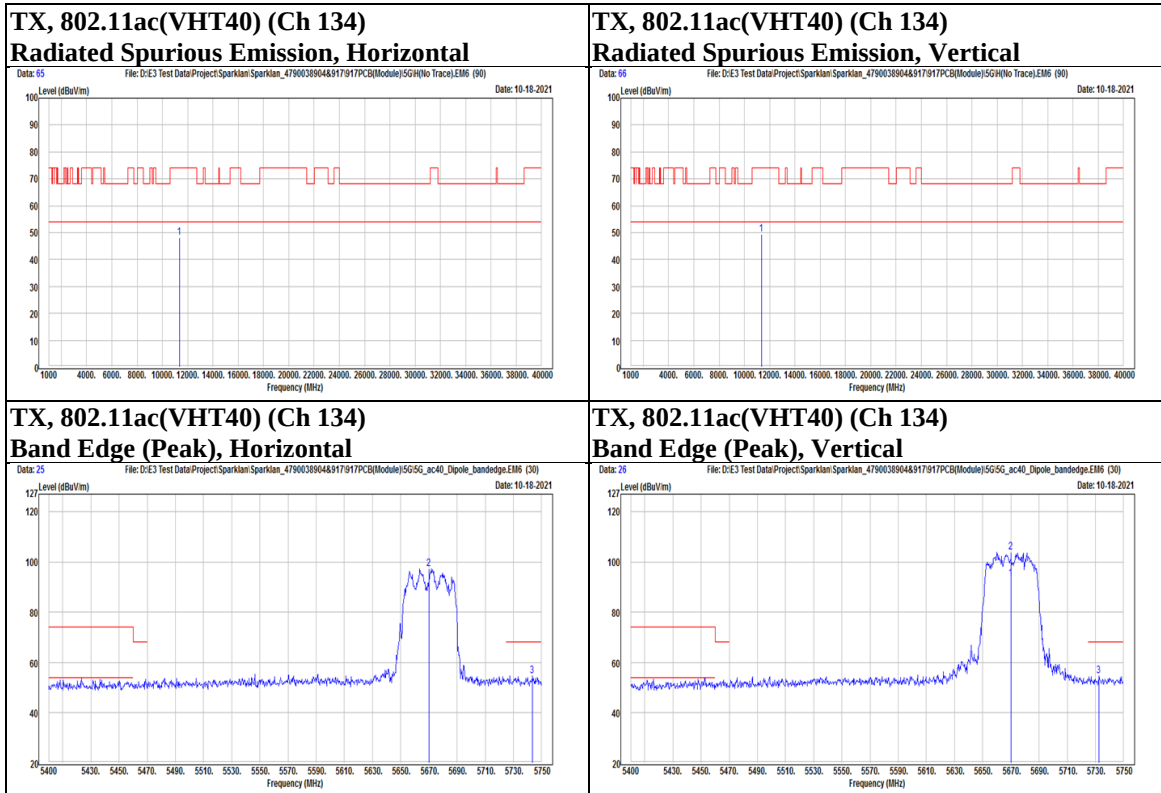
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Mode	802.11ac(VHT40)	Channel	142
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	*	11420	30.79	18.8	49.59	74	-24.41	PK
Vertical	*	11420	31.03	18.8	49.83	74	-24.17	PK

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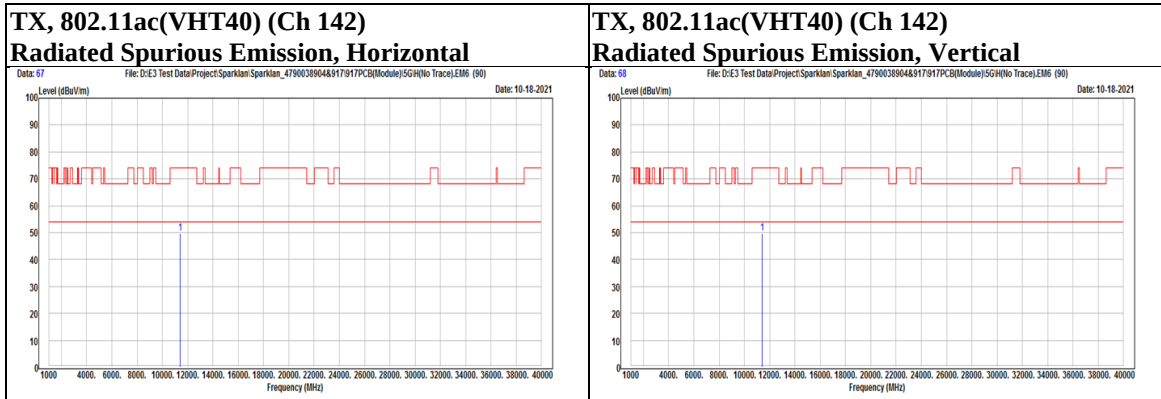
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Mode	802.11ac(VHT40)	Channel	151
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5579	40.48	13.98	54.46	68.2	-13.74	PK
		5690	40.78	14.04	54.82	97.83	-43.01	PK
	@	5755	86	14.33	100.33	N/A	N/A	PK
	*	11510	31.34	19.03	50.37	74	-23.63	PK
Vertical		5602.5	41.34	14.03	55.37	68.2	-12.83	PK
		5697.5	42.44	14.05	56.49	103.36	-46.87	PK
	@	5755	92.62	14.33	106.95	N/A	N/A	PK
	*	11510	31.73	19.03	50.76	74	-23.24	PK

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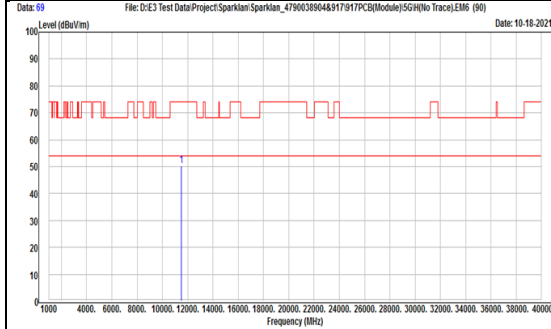
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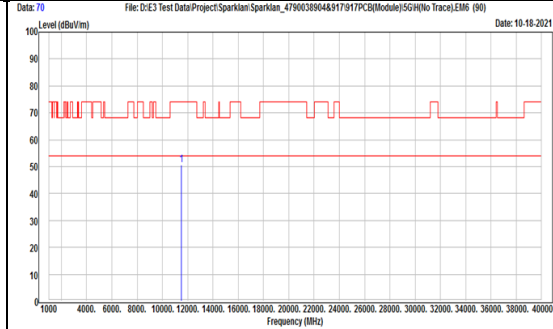


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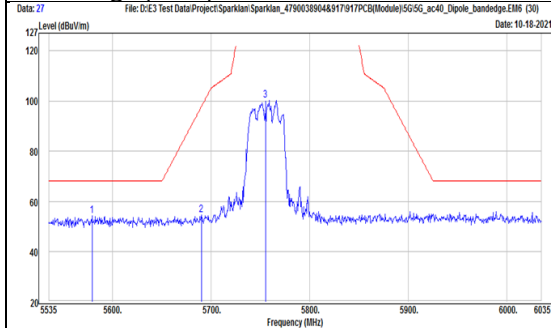
TX, 802.11ac(VHT40) (Ch 151)
Radiated Spurious Emission, Horizontal



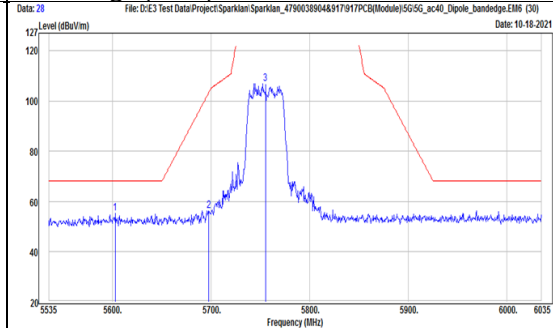
TX, 802.11ac(VHT40) (Ch 151)
Radiated Spurious Emission, Vertical



TX, 802.11ac(VHT40) (Ch 151)
Band Edge (Peak), Horizontal



TX, 802.11ac(VHT40) (Ch 151)
Band Edge (Peak), Vertical



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Mode	802.11ac(VHT40)	Channel	159
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5795	83.77	14.53	98.3	N/A	N/A	PK
		5906.5	40.22	14.97	55.19	81.85	-26.66	PK
		5930.5	41.39	15	56.39	68.2	-11.81	PK
	*	11590	31.44	18.84	50.28	74	-23.72	PK
Vertical	@	5795	89.9	14.53	104.43	N/A	N/A	PK
		5895	41.75	14.95	56.7	90.36	-33.66	PK
		5931	40.83	15	55.83	68.2	-12.37	PK
	*	11590	30.23	18.84	49.07	74	-24.93	PK

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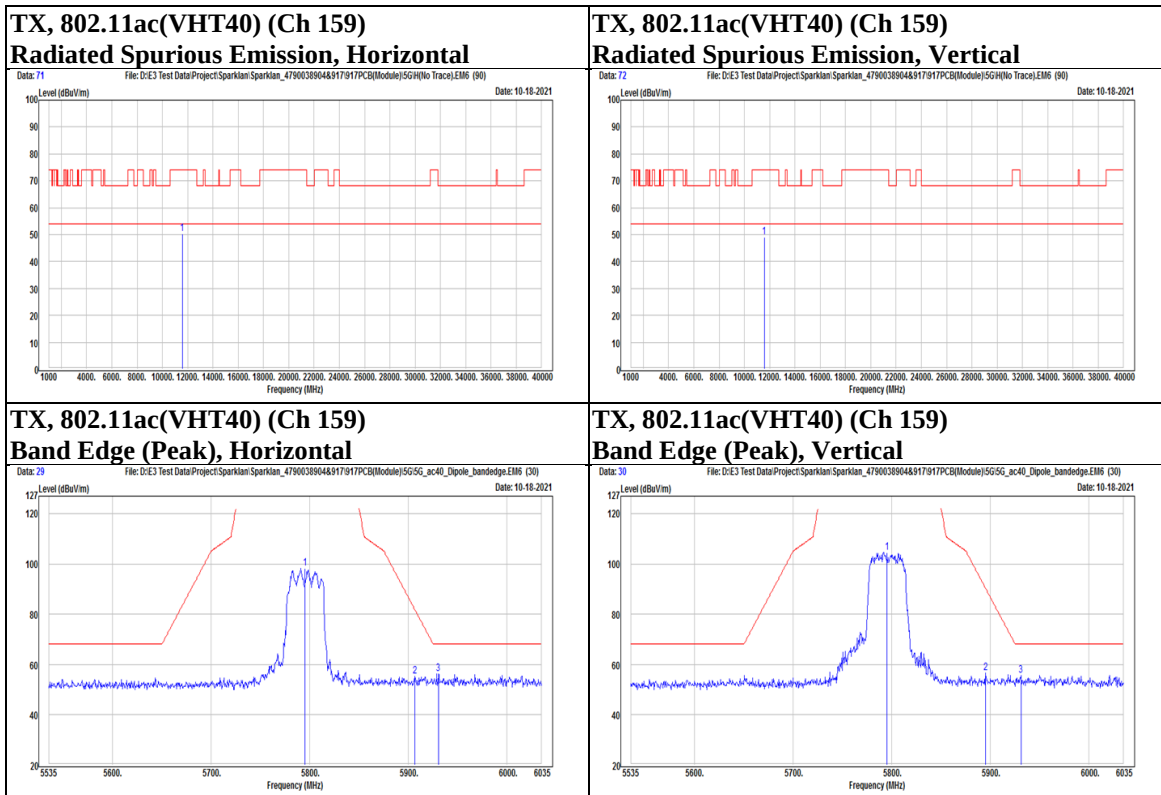
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Mode	802.11ac(VHT80)	Channel	42
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5090.65	30.26	13.43	43.69	54	-10.31	AVG
		5108.5	42.1	13.45	55.55	74	-18.45	PK
	@	5210	68.46	13.36	81.82	N/A	N/A	PK
	@	5210	63.41	13.36	76.77	N/A	N/A	AVG
	*	10420	31.32	17.6	48.92	68.2	-19.28	PK
Vertical		5058.45	42.53	13.33	55.86	74	-18.14	PK
		5146.3	30.52	13.43	43.95	54	-10.05	AVG
	@	5210	78.99	13.36	92.35	N/A	N/A	PK
	@	5210	72.61	13.36	85.97	N/A	N/A	AVG
	*	10420	31.91	17.6	49.51	68.2	-18.69	PK

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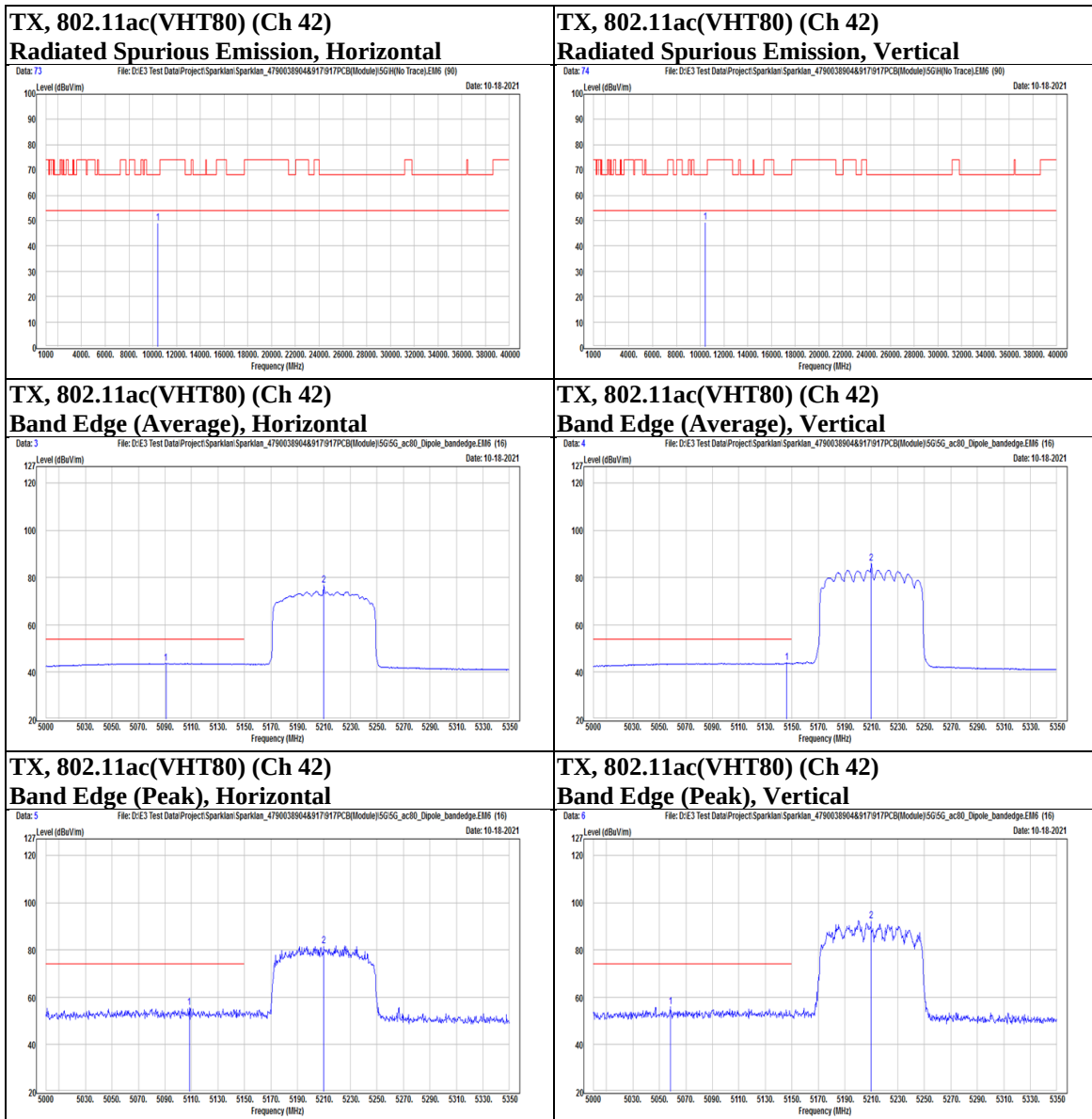
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Mode	802.11ac(VHT80)	Channel	58
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5290	68.58	13.21	81.79	N/A	N/A	PK
	@	5290	63.52	13.21	76.73	N/A	N/A	AVG
		5352.6	40.33	13.27	53.6	74	-20.4	PK
		5447.4	28.2	13.66	41.86	54	-12.14	AVG
	*	10580	31.28	17.73	49.01	68.2	-19.19	PK
Vertical	@	5290	76.66	13.21	89.87	N/A	N/A	PK
	@	5290	72.16	13.21	85.37	N/A	N/A	AVG
		5447.4	39.79	13.66	53.45	74	-20.55	PK
		5449.8	28.36	13.67	42.03	54	-11.97	AVG
	*	10580	31.29	17.73	49.02	68.2	-19.18	PK

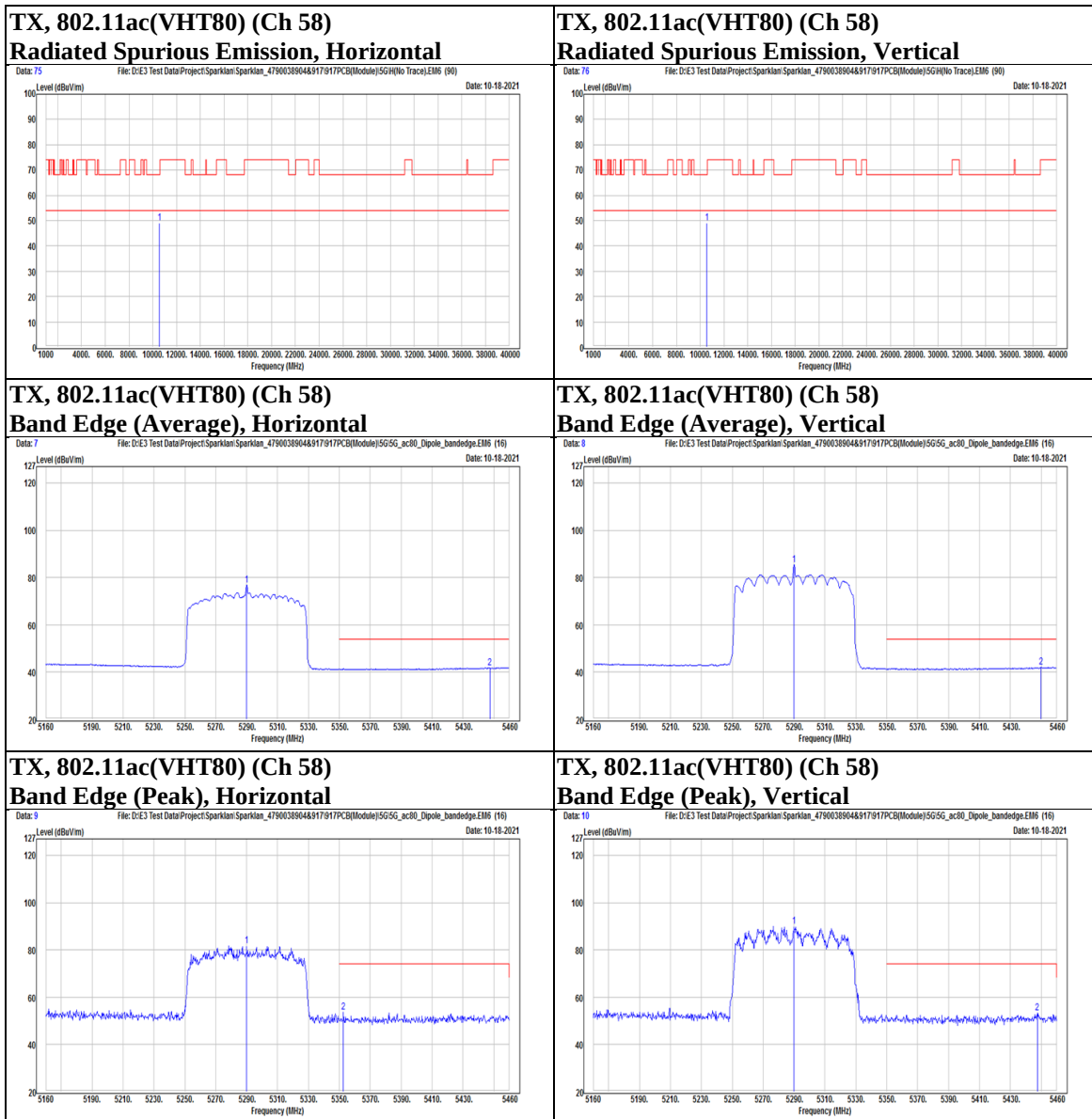
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Mode	802.11ac(VHT80)	Channel	106
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5450.05	39.73	13.67	53.4	74	-20.6	PK
		5450.05	28.2	13.67	41.87	54	-12.13	AVG
		5466.85	38.79	13.72	52.51	68.2	-15.69	PK
	@	5530	75.17	13.87	89.04	N/A	N/A	PK
	@	5530	65.29	13.87	79.16	N/A	N/A	AVG
	*	11060	30.9	18.41	49.31	74	-24.69	PK
Vertical		5430.1	40.1	13.57	53.67	74	-20.33	PK
		5430.1	28.3	13.57	41.87	54	-12.13	AVG
		5469.65	39.77	13.74	53.51	68.2	-14.69	PK
	@	5530	82.45	13.87	96.32	N/A	N/A	PK
	@	5530	72.09	13.87	85.96	N/A	N/A	AVG
	*	11060	31.31	18.41	49.72	74	-24.28	PK

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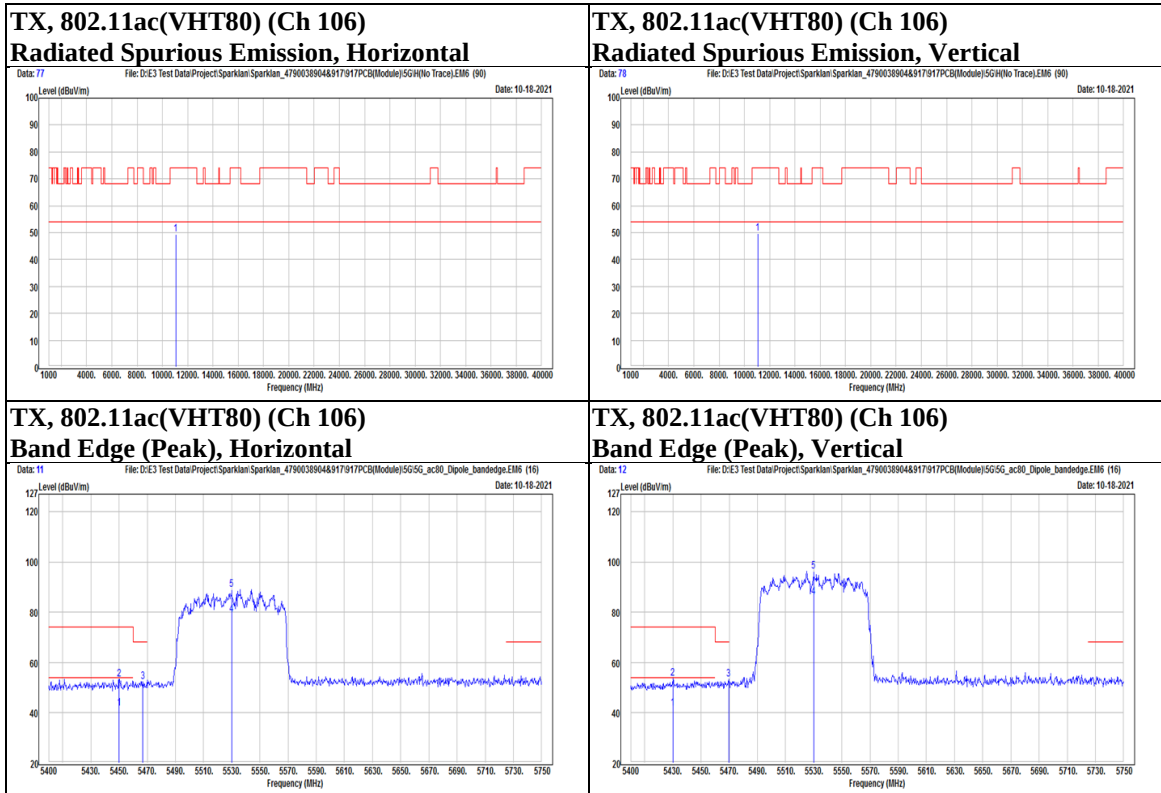
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Mode	802.11ac(VHT80)	Channel	122
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5421.7	40.31	13.53	53.84	74	-20.16	PK
		5421.7	28.3	13.53	41.83	54	-12.17	AVG
		5467.2	40.15	13.72	53.87	68.2	-14.33	PK
	@	5610	83.79	14.03	97.82	N/A	N/A	PK
	@	5610	73.1	14.03	87.13	N/A	N/A	AVG
		5731.45	41.07	14.21	55.28	68.2	-12.92	PK
	*	11220	30.84	18.25	49.09	74	-24.91	PK
Vertical		5456	40.65	13.69	54.34	74	-19.66	PK
		5456	28.2	13.69	41.89	54	-12.11	AVG
		5466.85	39.99	13.72	53.71	68.2	-14.49	PK
	@	5610	88.67	14.03	102.7	N/A	N/A	PK
	@	5610	78.2	14.03	92.23	N/A	N/A	AVG
		5734.6	41.14	14.23	55.37	68.2	-12.83	PK
	*	11220	31.14	18.25	49.39	74	-24.61	PK

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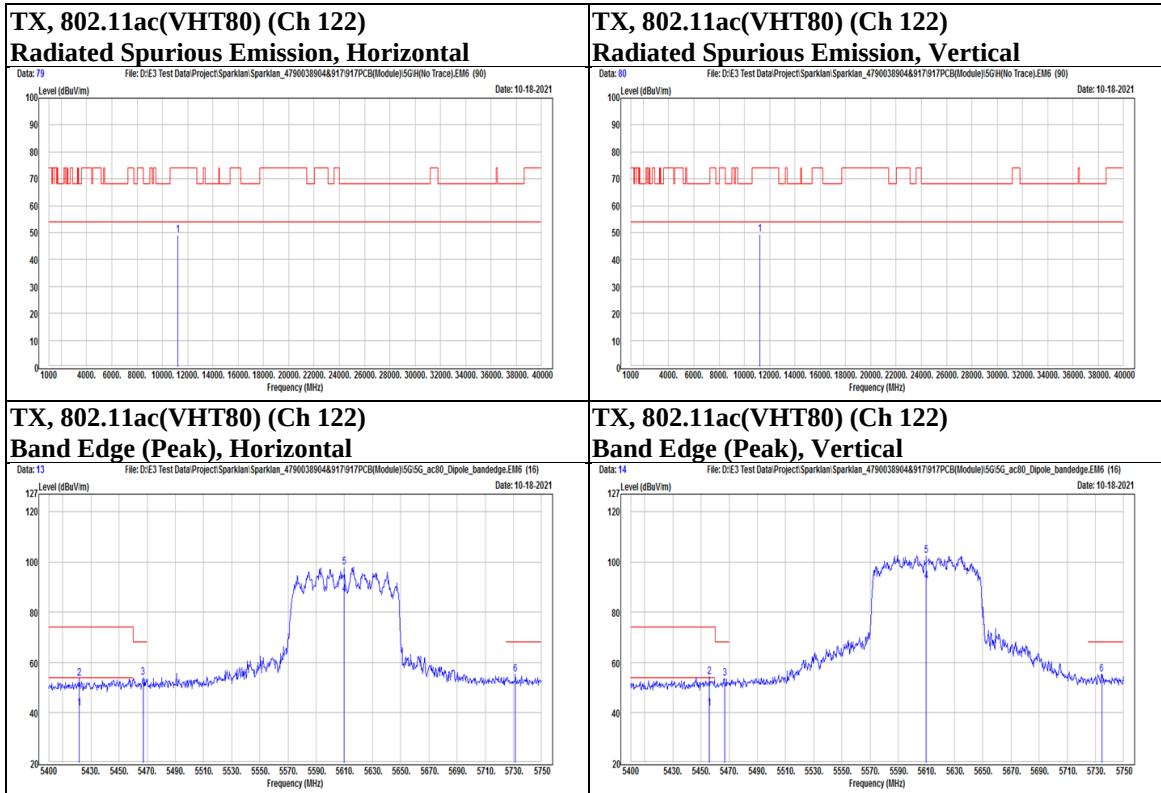
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Mode	802.11ac(VHT80)	Channel	138
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	*	11380	31.13	18.67	49.8	74	-24.2	PK
Vertical	*	11380	29.89	18.67	48.56	74	-25.44	PK

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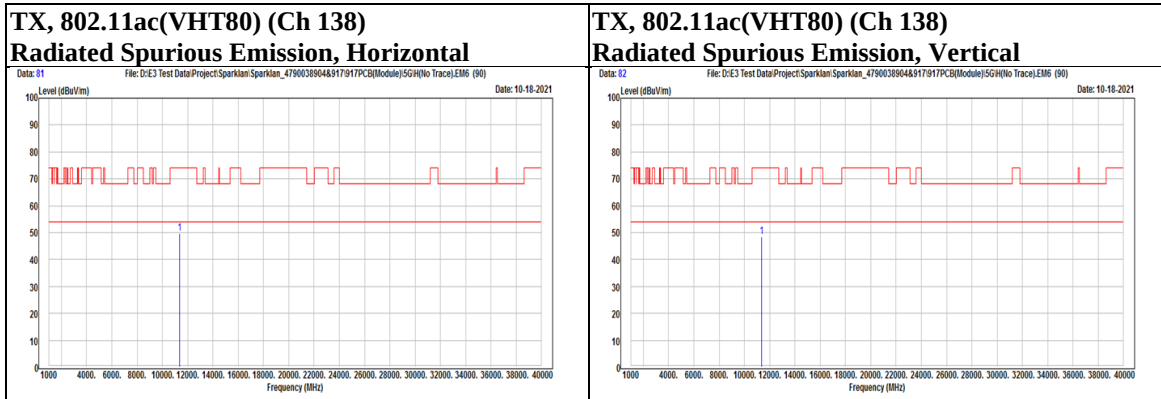
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Mode	802.11ac(VHT80)	Channel	155
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5581	40.88	13.98	54.86	68.2	-13.34	PK
		5695.5	42.01	14.05	56.06	101.88	-45.82	PK
	@	5775	80.71	14.44	95.15	N/A	N/A	PK
		5921.5	40.43	14.99	55.42	70.78	-15.36	PK
		5940	40.95	15.01	55.96	68.2	-12.24	PK
	*	11550	30.69	18.93	49.62	74	-24.38	PK
Vertical		5643.5	41.17	14	55.17	68.2	-13.03	PK
		5696.5	46.55	14.05	60.6	102.62	-42.02	PK
	@	5775	87.63	14.44	102.07	N/A	N/A	PK
		5881.5	41.78	14.91	56.69	100.37	-43.68	PK
		6024	41.05	15.21	56.26	68.2	-11.94	PK
	*	11550	30.45	18.93	49.38	74	-24.62	PK

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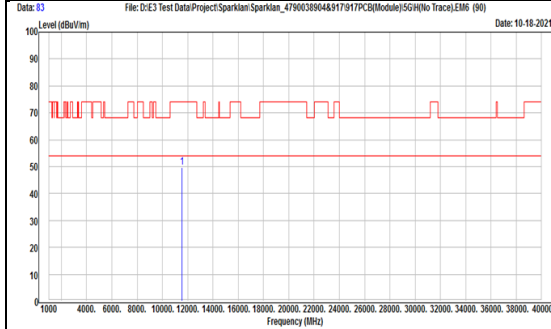
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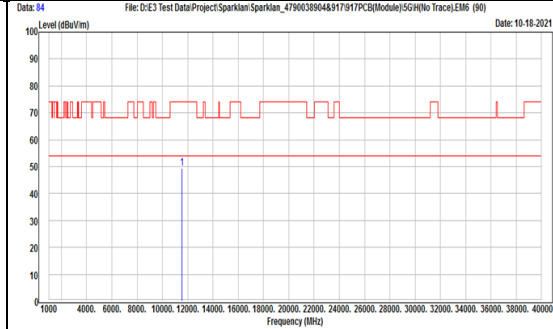


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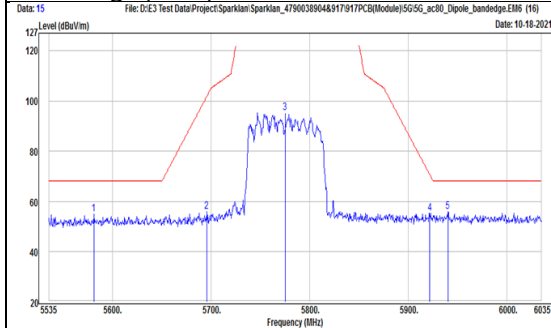
TX, 802.11ac(VHT80) (Ch 155)
Radiated Spurious Emission, Horizontal



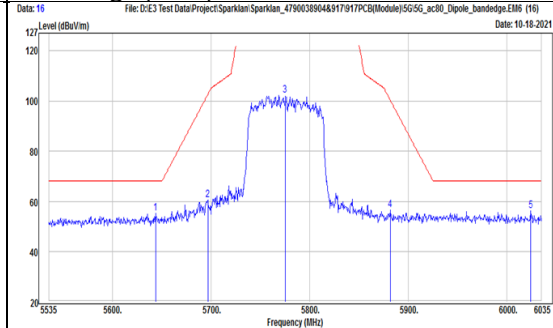
TX, 802.11ac(VHT80) (Ch 155)
Radiated Spurious Emission, Vertical



TX, 802.11ac(VHT80) (Ch 155)
Band Edge (Peak), Horizontal



TX, 802.11ac(VHT80) (Ch 155)
Band Edge (Peak), Vertical



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Below 1G

Mode	802.11ac(VHT20)	Channel	149
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Polarization	Notation	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		78.5	41.01	-16	25.01	40	-14.99	PK
		206.54	47.76	-13.89	33.87	43.5	-9.63	PK
		236.61	42.4	-12.2	30.2	46	-15.8	PK
		363.68	39.95	-8.05	31.9	46	-14.1	PK
		482.02	37.68	-5.1	32.58	46	-13.42	PK
		961.2	33.53	3.9	37.43	54	-16.57	PK
Vertical		31.94	38.5	-12.47	26.03	40	-13.97	PK
		78.5	42.59	-16	26.59	40	-13.41	PK
		151.25	35.39	-11.43	23.96	43.5	-19.54	PK
		296.75	38.08	-10.08	28	46	-18	PK
		480.08	42.72	-5.19	37.53	46	-8.47	PK
		960.23	33.72	3.89	37.61	54	-16.39	PK

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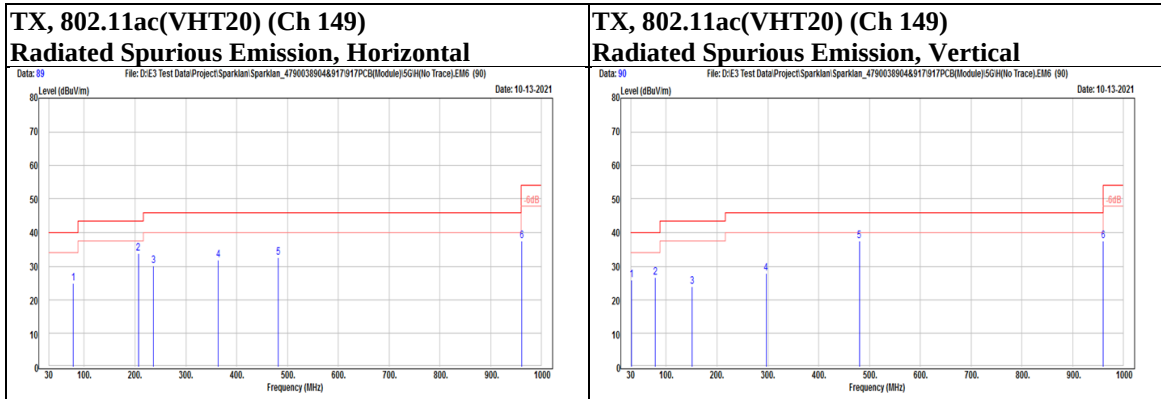
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9.8. AC Power Line Conducted Emission

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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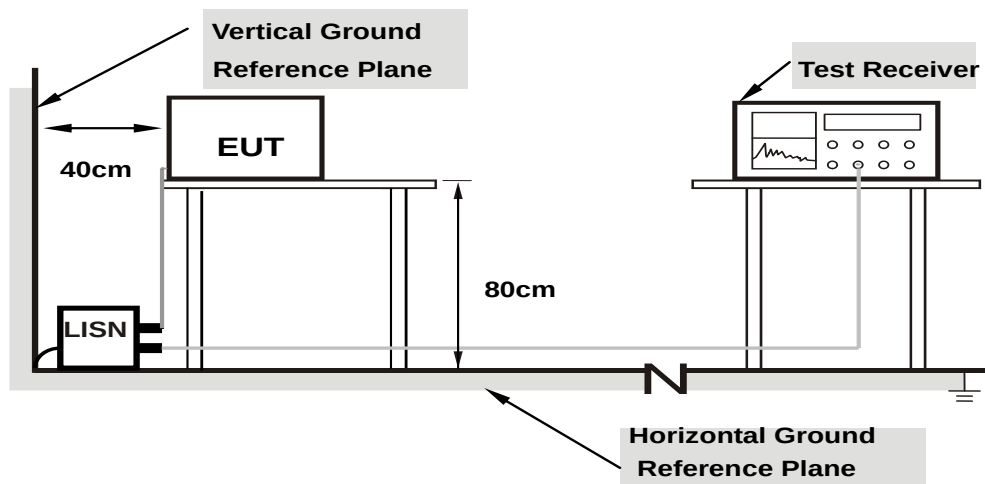
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Test Setup



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

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

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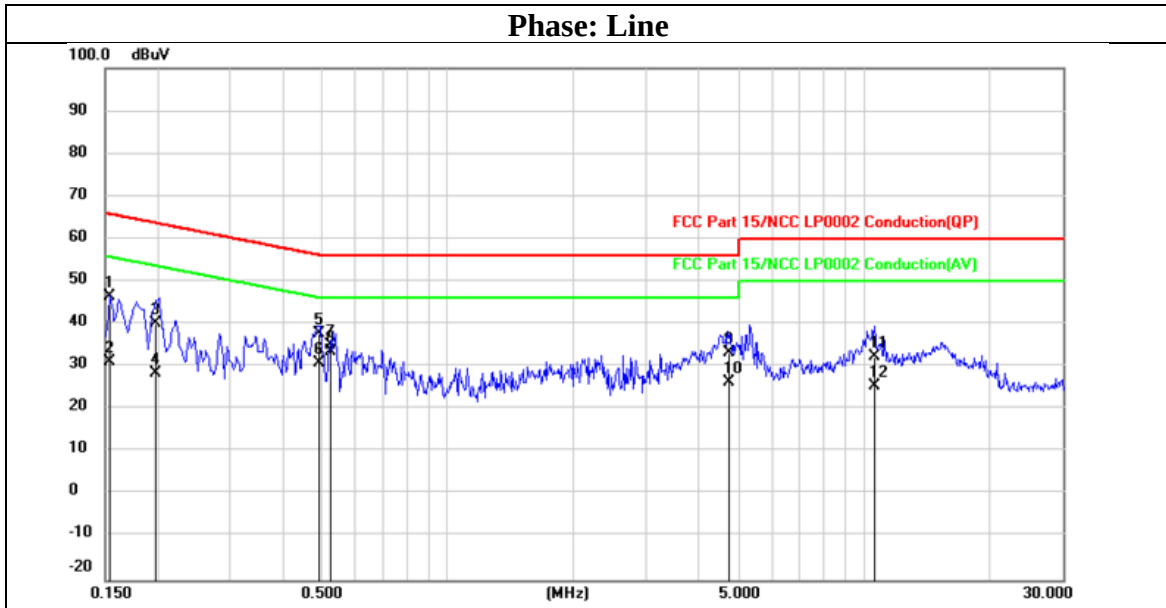
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Test Data

Mode	TX_WLAN 5G	Channel	149
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1530	26.88	19.49	46.37	65.84	-19.47	QP
2	0.1530	11.76	19.49	31.25	55.84	-24.59	AVG
3	0.1983	20.73	19.49	40.22	63.68	-23.46	QP
4	0.1983	8.97	19.49	28.46	53.68	-25.22	AVG
5	0.4905	18.12	19.49	37.61	56.16	-18.55	QP
6	0.4905	11.46	19.49	30.95	46.16	-15.21	AVG
7	0.5221	15.50	19.50	35.00	56.00	-21.00	QP
8	0.5221	13.98	19.50	33.48	46.00	-12.52	AVG
9	4.7514	13.70	19.59	33.29	56.00	-22.71	QP
10	4.7514	6.67	19.59	26.26	46.00	-19.74	AVG
11	10.5480	12.73	19.70	32.43	60.00	-27.57	QP
12	10.5480	5.82	19.70	25.52	50.00	-24.48	AVG

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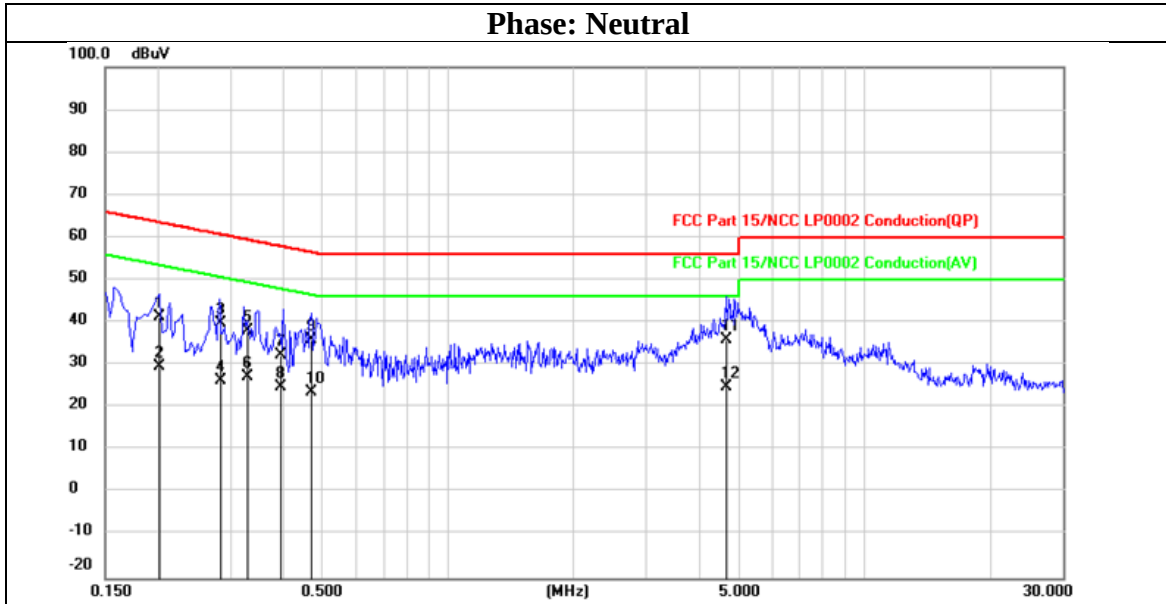
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Mode	TX_WLAN 5G	Channel	149
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2017	22.00	19.49	41.49	63.54	-22.05	QP
2	0.2017	10.14	19.49	29.63	53.54	-23.91	AVG
3	0.2832	20.49	19.49	39.98	60.72	-20.74	QP
4	0.2832	6.87	19.49	26.36	50.72	-24.36	AVG
5	0.3268	18.65	19.49	38.14	59.53	-21.39	QP
6	0.3268	7.62	19.49	27.11	49.53	-22.42	AVG
7	0.3978	12.77	19.49	32.26	57.90	-25.64	QP
8	0.3978	5.37	19.49	24.86	47.90	-23.04	AVG
9	0.4670	16.32	19.49	35.81	56.57	-20.76	QP
10	0.4670	4.02	19.49	23.51	46.57	-23.06	AVG
11	4.6862	16.24	19.60	35.84	56.00	-20.16	QP
12	4.6862	5.20	19.60	24.80	46.00	-21.20	AVG

END OF REPORT

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