



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		5438.5	39.89	13.61	53.5	74	-20.5	PK
		5438.5	27.81	13.61	41.42	54	-12.58	AVG
		5465.45	38.81	13.72	52.53	68.2	-15.67	PK
	@	5550	84.43	13.88	98.31	N/A	N/A	PK
	@	5550	74.51	13.88	88.39	N/A	N/A	AVG
		5739.5	40.88	14.25	55.13	68.2	-13.07	PK
Vertical	*	11100	30.78	18.49	49.27	74	-24.73	PK
		5455.65	47.65	13.69	61.34	74	-12.66	PK
		5455.65	31.8	13.69	45.49	54	-8.51	AVG
		5468.6	53.1	13.74	66.84	68.2	-1.36	PK
	@	5550	99.96	13.88	113.84	N/A	N/A	PK
	@	5550	88.91	13.88	102.79	N/A	N/A	AVG
	5747.55	40.43	14.29	54.72	68.2	-13.48	PK	
*	11100	31.41	18.49	49.9	74	-24.1	PK	

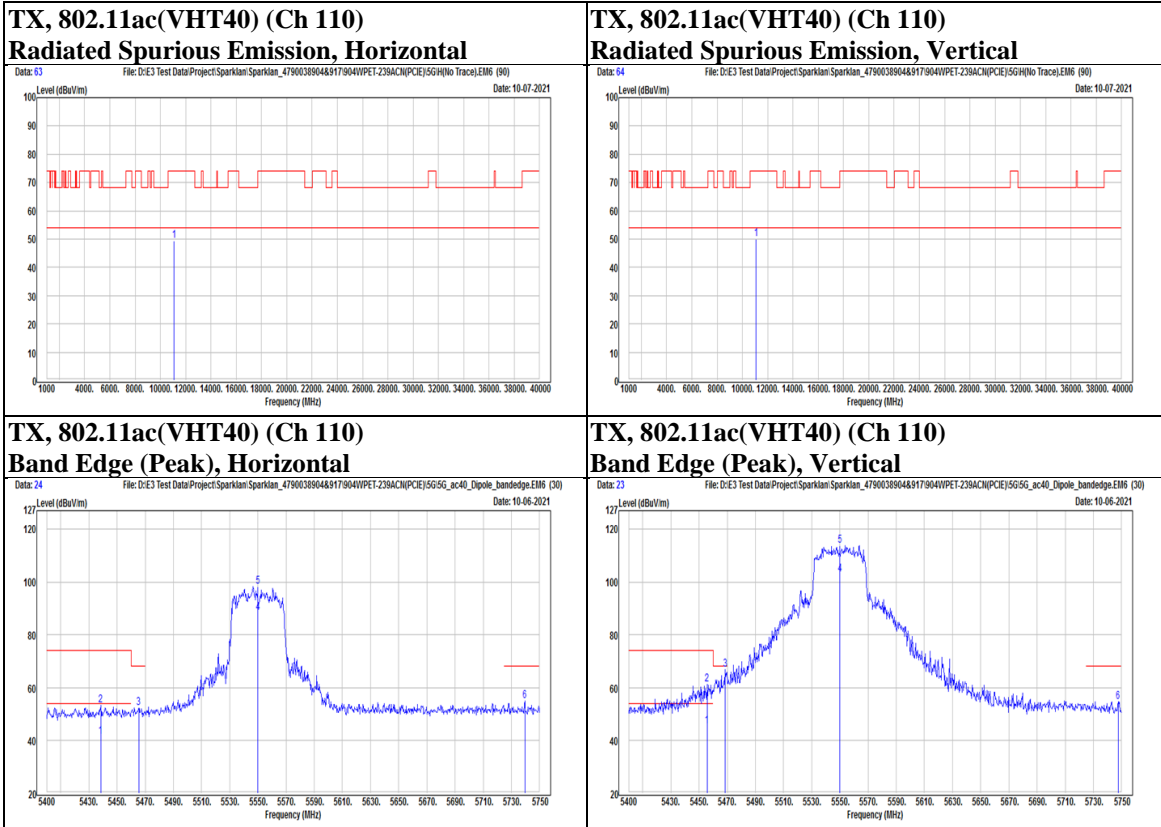
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Mode	802.11ac(VHT40)	Channel	134
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5670	84.13	14.02	98.15	N/A	N/A	PK
	@	5670	74.2	14.02	88.22	N/A	N/A	AVG
		5726.9	40.69	14.19	54.88	68.2	-13.32	PK
	*	11340	31.15	18.55	49.7	74	-24.3	PK
Vertical	@	5670	100.22	14.02	114.24	N/A	N/A	PK
	@	5670	90.2	14.02	104.22	N/A	N/A	AVG
		5726.2	53.01	14.18	67.19	68.2	-1.01	PK
	*	11340	31.72	18.55	50.27	74	-23.73	PK

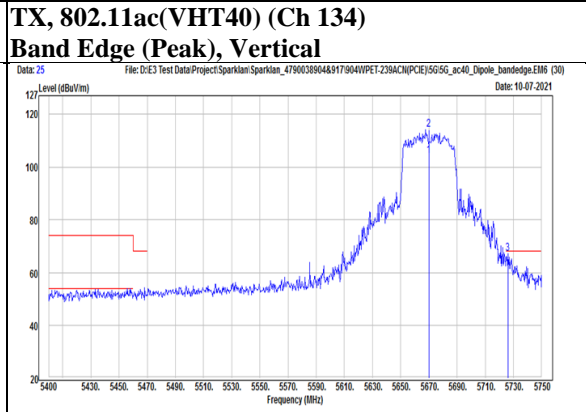
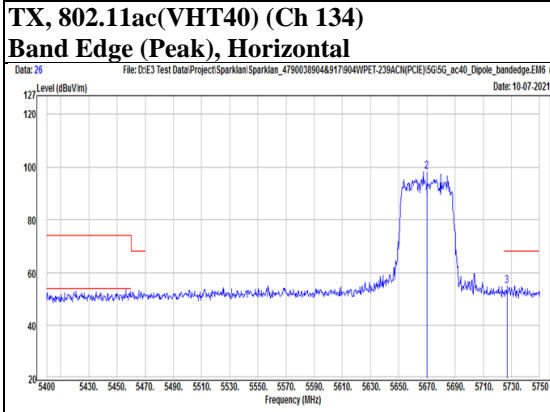
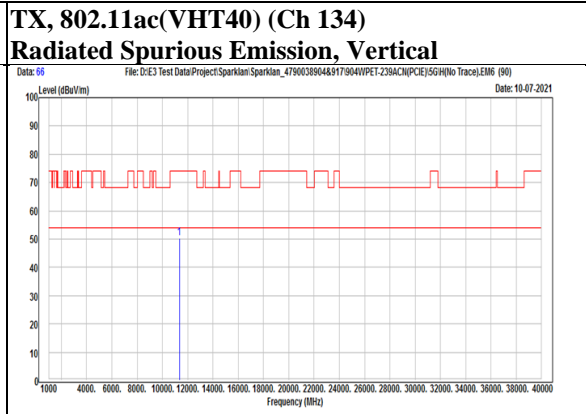
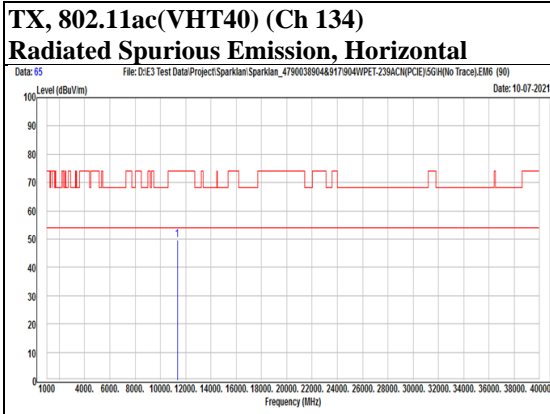
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Mode	802.11ac(VHT40)	Channel	142
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	*	11420	30.92	18.8	49.72	74	-24.28	PK
Vertical	*	11420	35.1	18.8	53.9	74	-20.1	PK

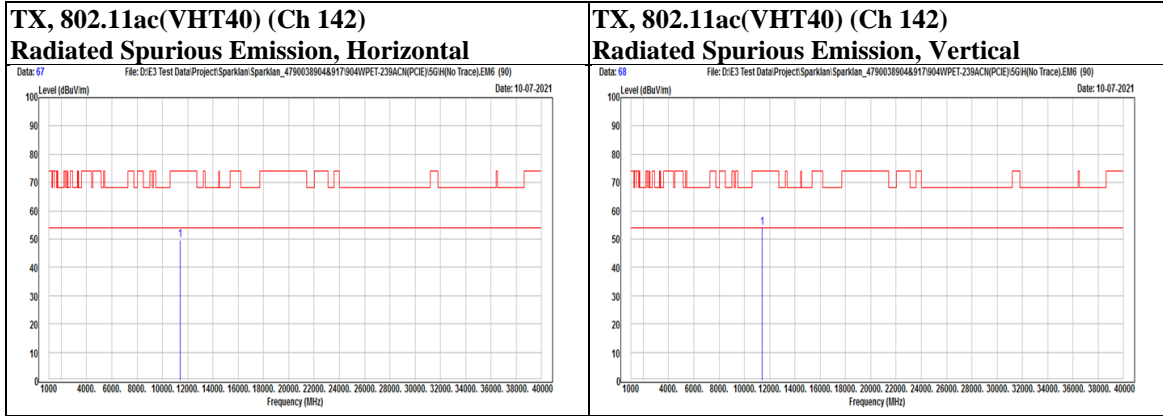
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Mode	802.11ac(VHT40)	Channel	151
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5609.5	40.61	14.03	54.64	68.2	-13.56	PK
		5699.5	46.35	14.05	60.4	104.83	-44.43	PK
	@	5755	88.56	14.33	102.89	N/A	N/A	PK
	*	11510	31.28	19.03	50.31	74	-23.69	PK
Vertical		5647	53.15	14.01	67.16	68.2	-1.04	PK
		5692	65.49	14.04	79.53	99.3	-19.77	PK
	@	5755	100.79	14.33	115.12	N/A	N/A	PK
	*	11510	33.95	19.03	52.98	74	-21.02	PK

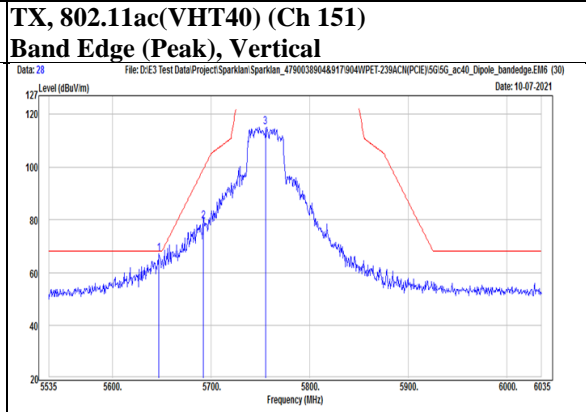
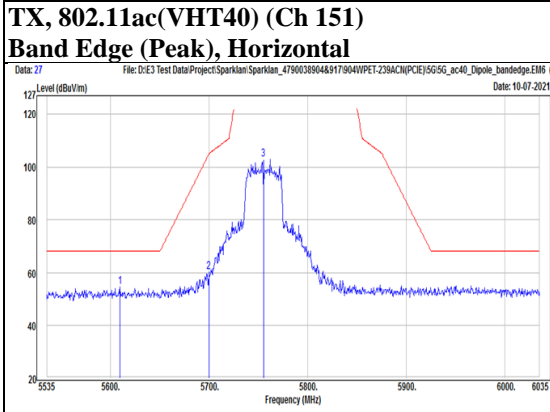
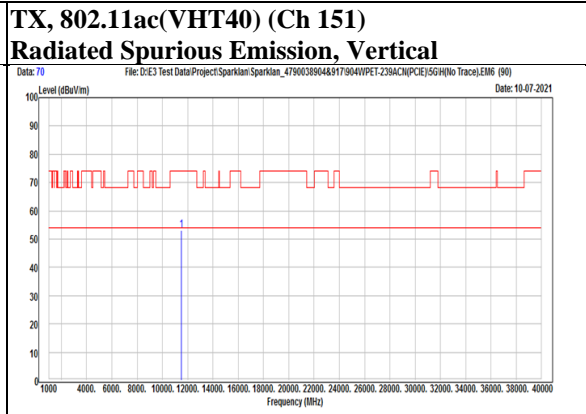
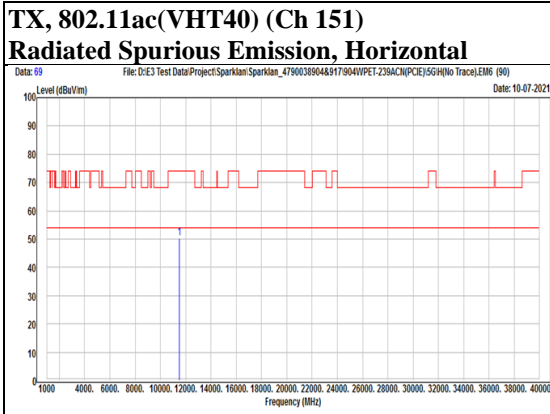
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Mode	802.11ac(VHT40)	Channel	159
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5795	88.92	14.53	103.45	N/A	N/A	PK
		5878.5	43.26	14.9	58.16	102.6	-44.44	PK
		5971	39.98	15.08	55.06	68.2	-13.14	PK
	*	11590	31.64	18.84	50.48	74	-23.52	PK
Vertical	@	5795	100.93	14.53	115.46	N/A	N/A	PK
		5876.5	56.79	14.89	71.68	104.09	-32.41	PK
		5925	43.21	14.99	58.2	68.2	-10	PK
	*	11590	33.59	18.84	52.43	74	-21.57	PK

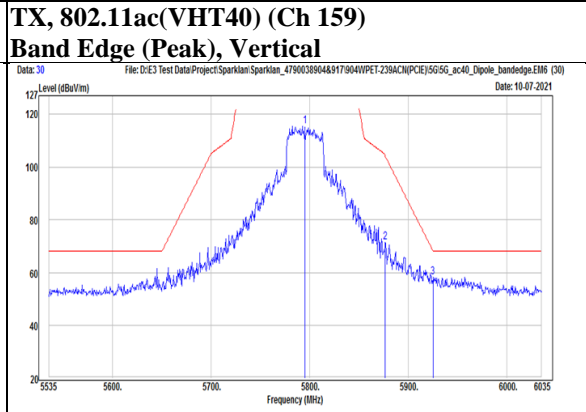
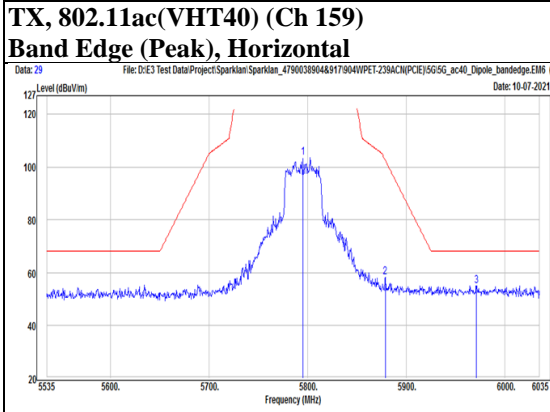
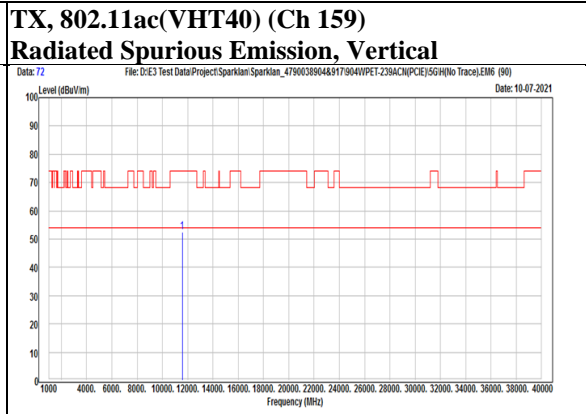
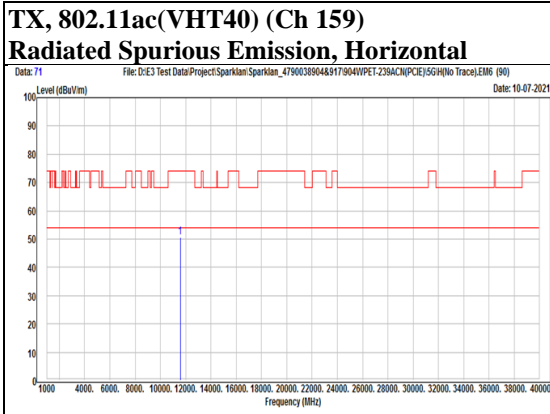
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Mode	802.11ac(VHT80)	Channel	42
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5081.9	42.02	13.4	55.42	74	-18.58	PK
		5087.85	31.64	13.43	45.07	54	-8.93	AVG
	@	5210	74.53	13.36	87.89	N/A	N/A	PK
	@	5210	68.28	13.36	81.64	N/A	N/A	AVG
	*	10420	32.35	17.6	49.95	68.2	-18.25	PK
Vertical		5147.35	48.16	13.43	61.59	74	-12.41	PK
		5148.4	38.91	13.42	52.33	54	-1.67	AVG
	@	5210	89.75	13.36	103.11	N/A	N/A	PK
	@	5210	85.14	13.36	98.5	N/A	N/A	AVG
	*	10420	30.82	17.6	48.42	68.2	-19.78	PK

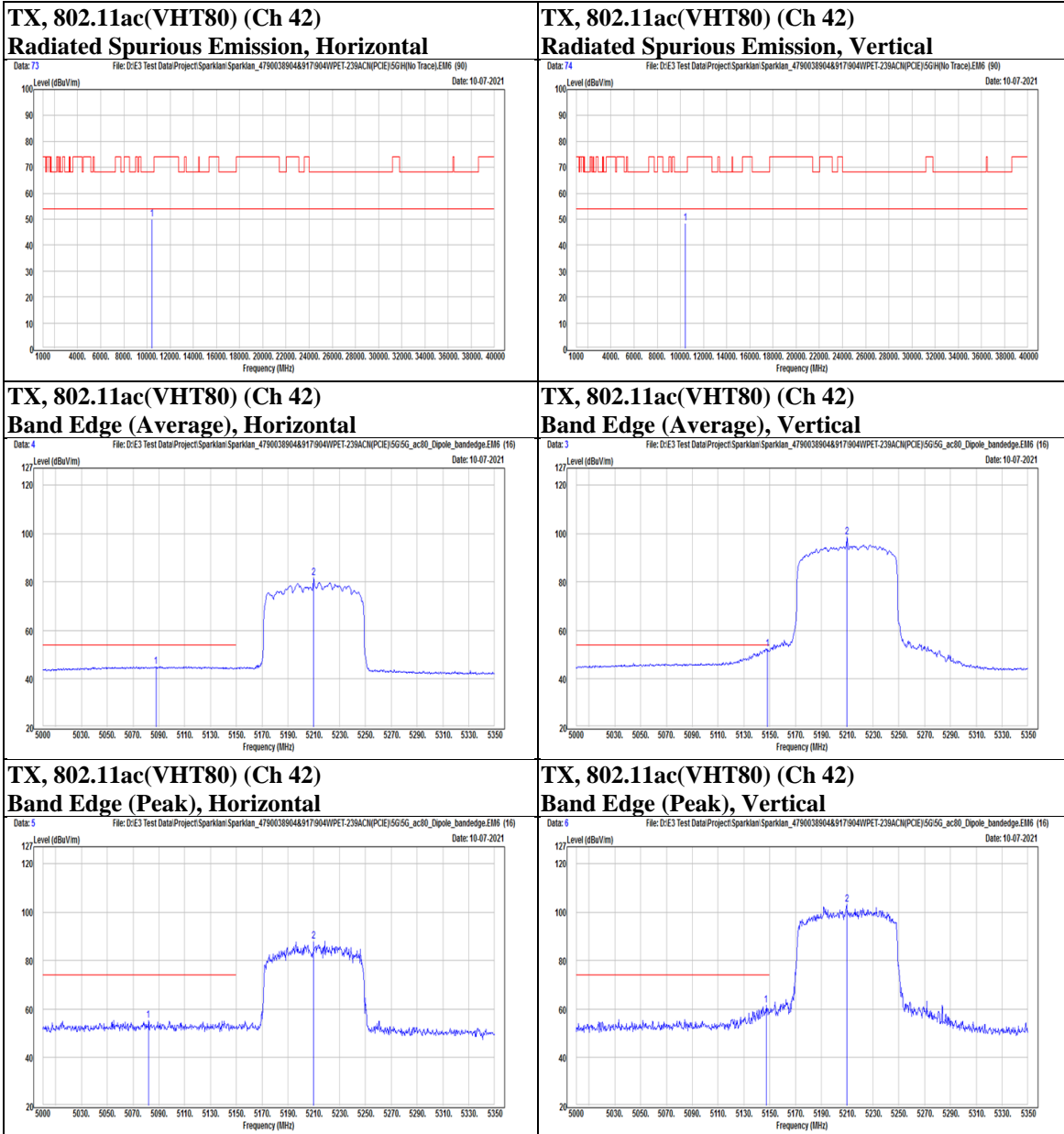
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Mode	802.11ac(VHT80)	Channel	58
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	@	5290	72.38	13.21	85.59	N/A	N/A	PK
	@	5290	68.38	13.21	81.59	N/A	N/A	AVG
		5433.9	39.65	13.6	53.25	74	-20.75	PK
		5439	29.62	13.62	43.24	54	-10.76	AVG
	*	10580	30.97	17.73	48.7	68.2	-19.5	PK
Vertical	@	5290	88.61	13.21	101.82	N/A	N/A	PK
	@	5290	85.1	13.21	98.31	N/A	N/A	AVG
		5352.6	39.53	13.27	52.8	54	-1.2	AVG
		5353.8	45.52	13.27	58.79	74	-15.21	PK
	*	10580	30.86	17.73	48.59	68.2	-19.61	PK

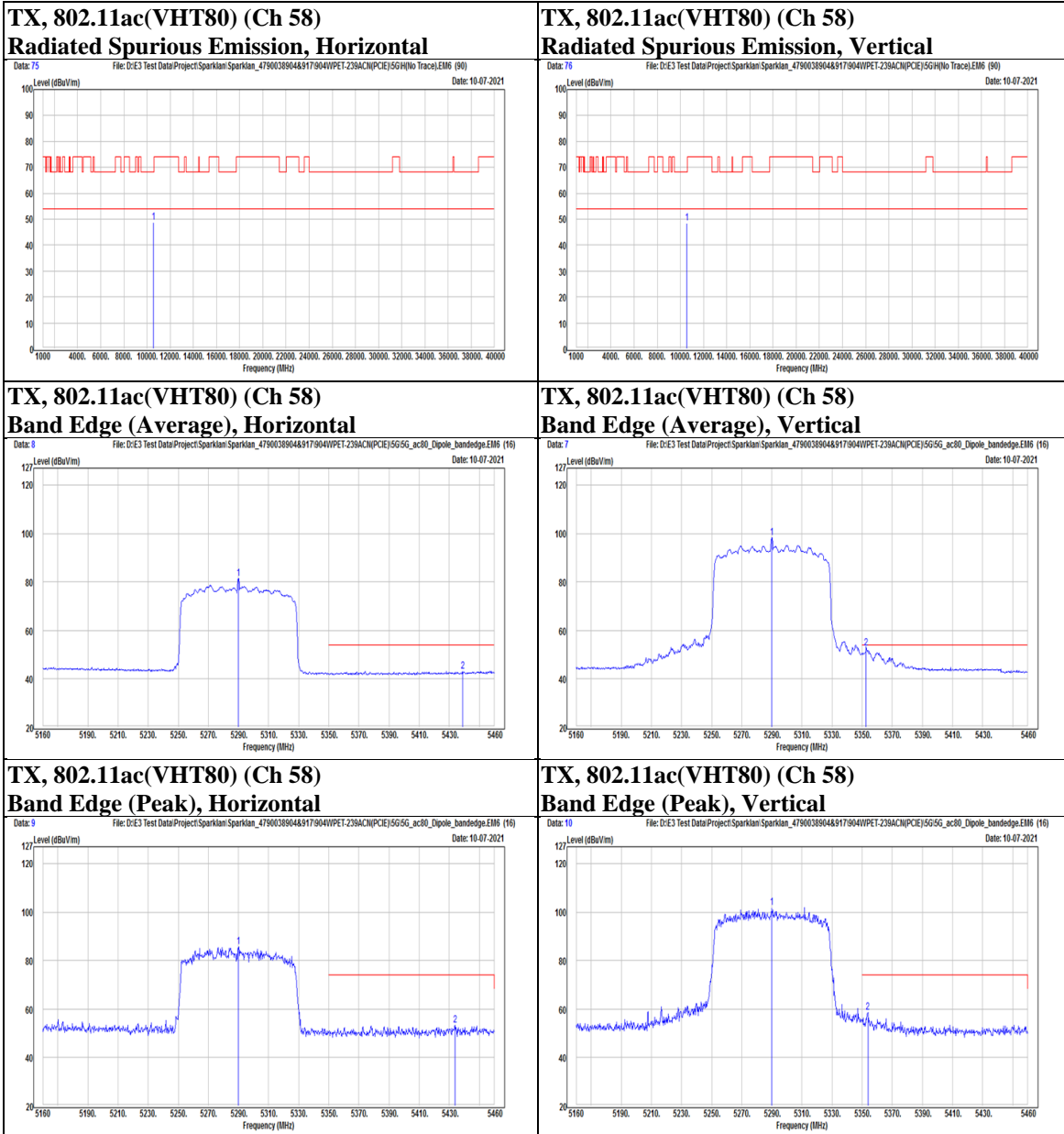
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Mode	802.11ac(VHT80)	Channel	106
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5410.85	40.65	13.46	54.11	74	-19.89	PK
		5410.85	28.21	13.46	41.67	54	-12.33	AVG
		5463.35	39.11	13.72	52.83	68.2	-15.37	PK
	@	5530	76.4	13.87	90.27	N/A	N/A	PK
	@	5530	67.49	13.87	81.36	N/A	N/A	AVG
	*	11060	29.88	18.41	48.29	74	-25.71	PK
Vertical		5451.1	48.92	13.67	62.59	74	-11.41	PK
		5451.1	33.16	13.67	46.83	54	-7.17	AVG
		5468.6	52.85	13.74	66.59	68.2	-1.61	PK
	@	5530	92.35	13.87	106.22	N/A	N/A	PK
	@	5530	82.09	13.87	95.96	N/A	N/A	AVG
	*	11060	30.68	18.41	49.09	74	-24.91	PK

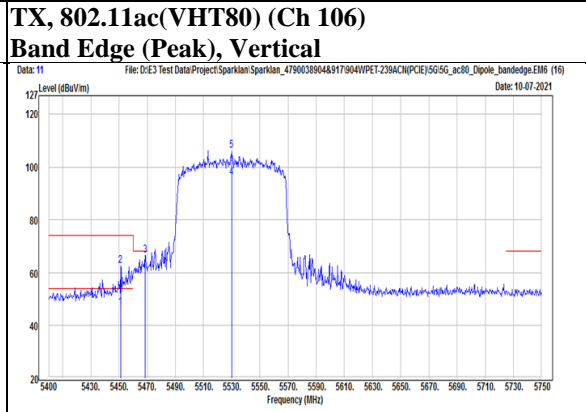
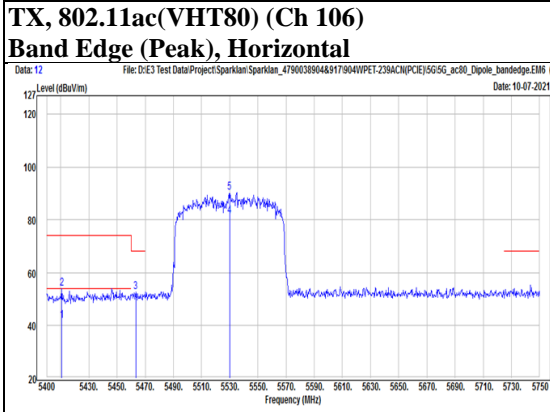
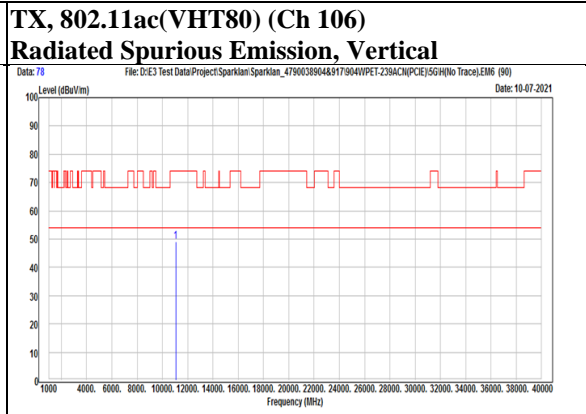
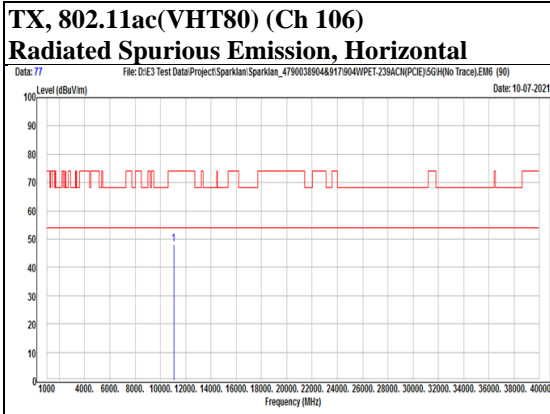
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Mode	802.11ac(VHT80)	Channel	122
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5402.8	39.74	13.43	53.17	74	-20.83	PK
		5402.8	28.3	13.43	41.73	54	-12.27	AVG
		5468.6	39.81	13.74	53.55	68.2	-14.65	PK
	@	5610	84.39	14.03	98.42	N/A	N/A	PK
	@	5610	74.5	14.03	88.53	N/A	N/A	AVG
		5740.9	39.75	14.26	54.01	68.2	-14.19	PK
Vertical	*	11220	30.07	18.25	48.32	74	-25.68	PK
		5458.8	48.85	13.7	62.55	74	-11.45	PK
		5458.8	35.5	13.7	49.2	54	-4.8	AVG
		5467.55	53.43	13.73	67.16	68.2	-1.04	PK
	@	5610	98.99	14.03	113.02	N/A	N/A	PK
	@	5610	88.9	14.03	102.93	N/A	N/A	AVG
	5726.9	53.02	14.19	67.21	68.2	-0.99	PK	
*	11220	30.72	18.25	48.97	74	-25.03	PK	

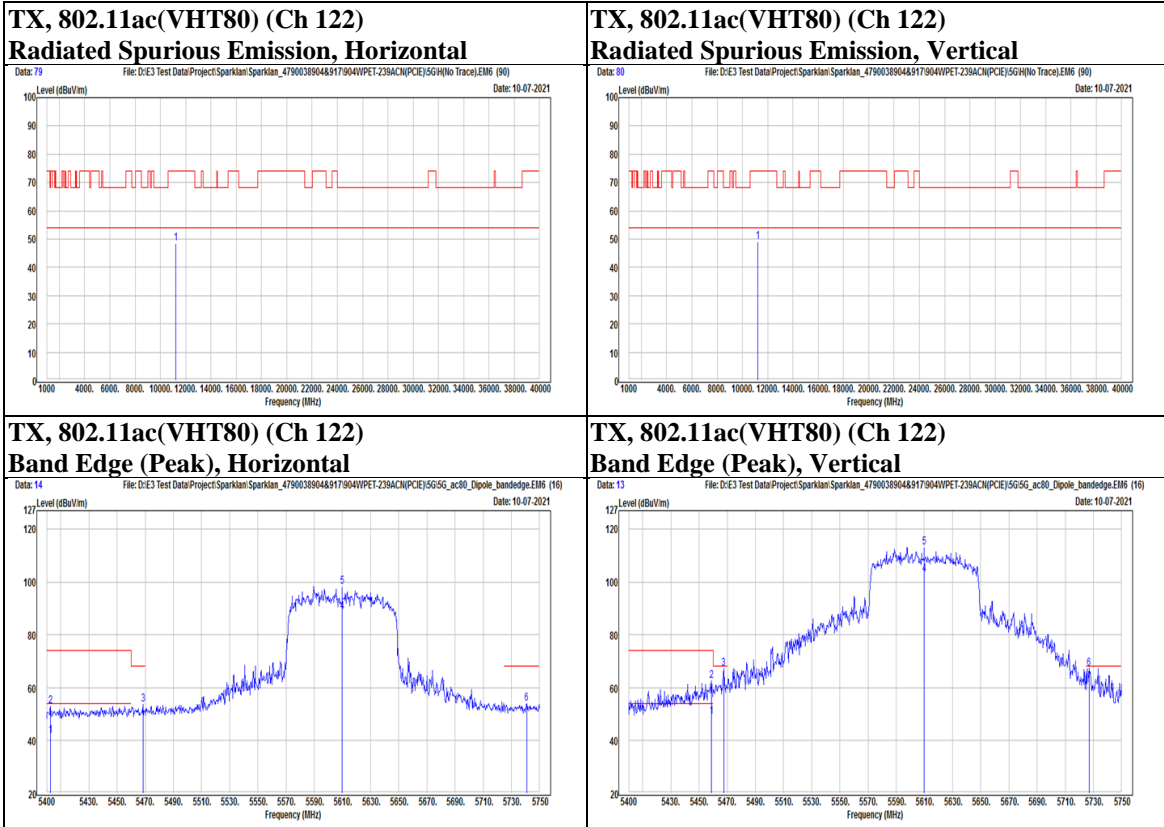
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Mode	802.11ac(VHT80)	Channel	138
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	*	11380	30.22	18.67	48.89	74	-25.11	PK
Vertical	*	11380	31.79	18.67	50.46	74	-23.54	PK

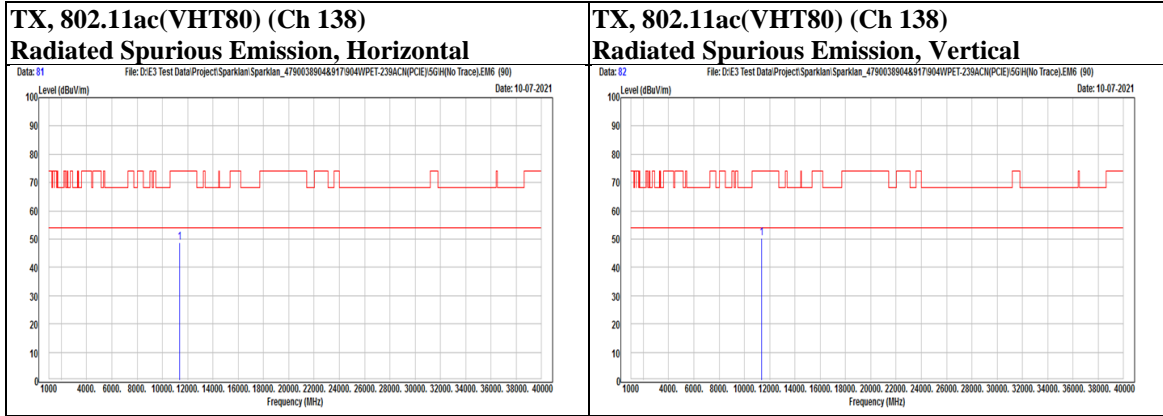
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Mode	802.11ac(VHT80)	Channel	155
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		5573	40.54	13.96	54.5	68.2	-13.7	PK
		5700	47.38	14.05	61.43	105.2	-43.77	PK
	@	5775	81.33	14.44	95.77	N/A	N/A	PK
		5900	40.88	14.97	55.85	86.66	-30.81	PK
		5943.5	40.28	15.01	55.29	68.2	-12.91	PK
	*	11550	29.44	18.93	48.37	74	-25.63	PK
Vertical		5632	51.78	14.02	65.8	68.2	-2.4	PK
		5655.5	56.68	14.01	70.69	72.29	-1.6	PK
	@	5775	97.81	14.44	112.25	N/A	N/A	PK
		5884	53.01	14.92	67.93	98.52	-30.59	PK
		5935	48.82	15	63.82	68.2	-4.38	PK
	*	11550	31.04	18.93	49.97	74	-24.03	PK

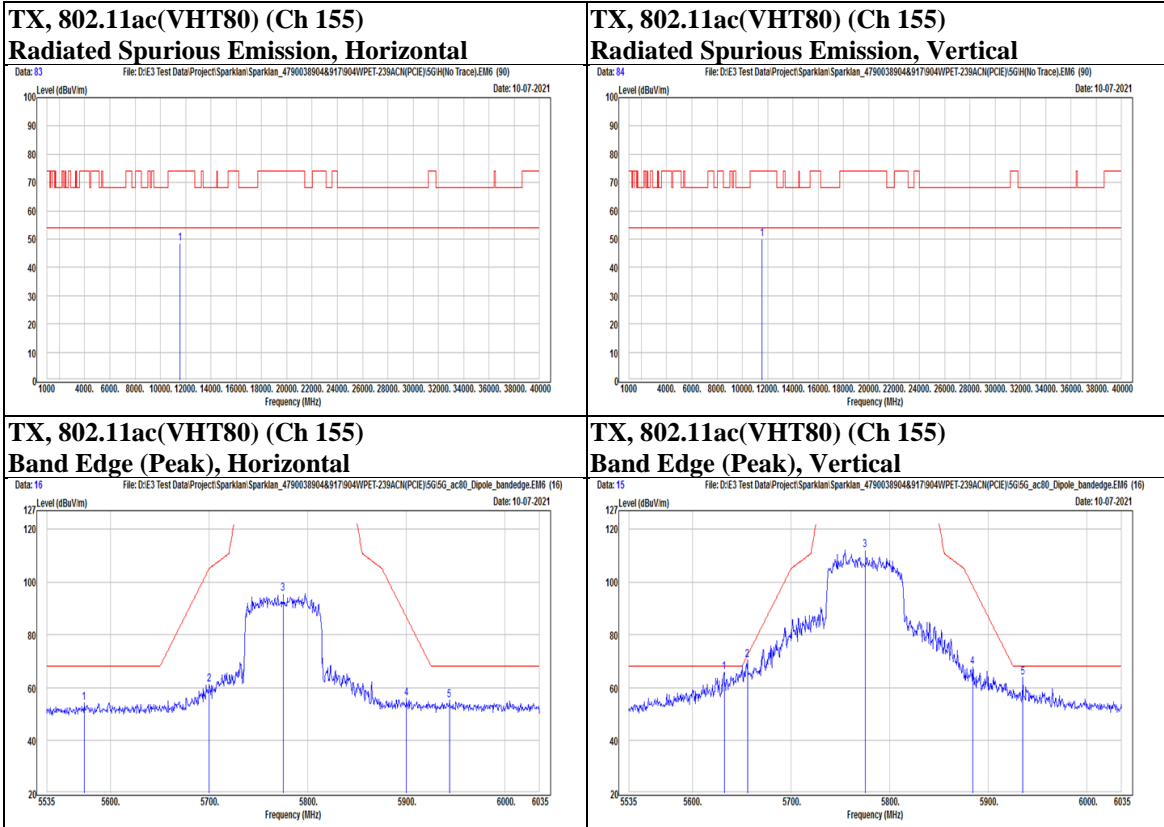
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### Below 1G

Mode	802.11ac(VHT20)	Channel	149
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Polarization	Notation	Frequency	Reading	Correct	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal		78.5	43.12	-16	27.12	40	-12.88	PK
		204.6	47.05	-13.97	33.08	43.5	-10.42	PK
		235.64	43.43	-12.23	31.2	46	-14.8	PK
		363.68	40.62	-8.05	32.57	46	-13.43	PK
		479.11	37.14	-5.18	31.96	46	-14.04	PK
		960.23	32.75	3.89	36.64	54	-17.36	PK
Vertical		32.91	41.18	-12.4	28.78	40	-11.22	PK
		239.52	35.49	-12.12	23.37	46	-22.63	PK
		323.91	36.49	-9.18	27.31	46	-18.69	PK
		481.05	41.98	-5.15	36.83	46	-9.17	PK
		962.17	34.03	3.91	37.94	54	-16.06	PK

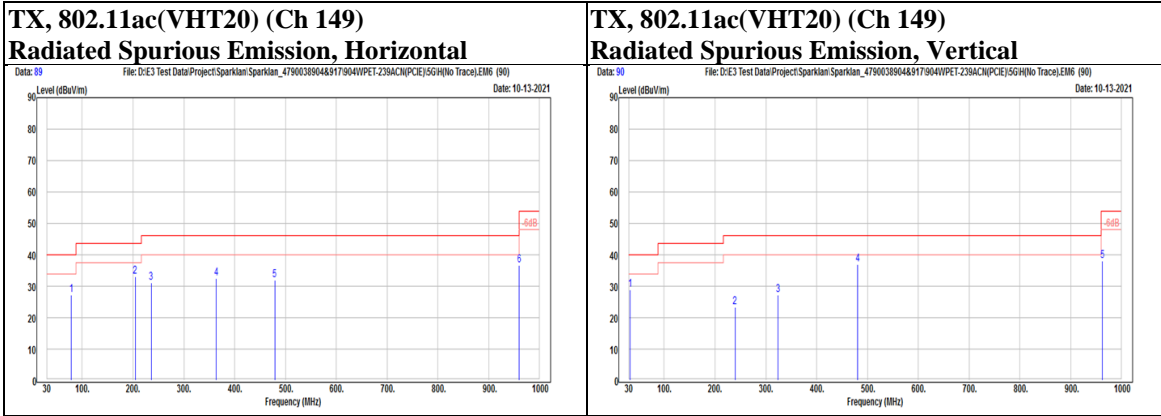
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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

Facsimile (FAX ) :+886-3-583-7948

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## 9.8. AC Power Line Conducted Emission

### Requirements

Frequency (MHz)	Conducted limit (dB $\mu$ 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:

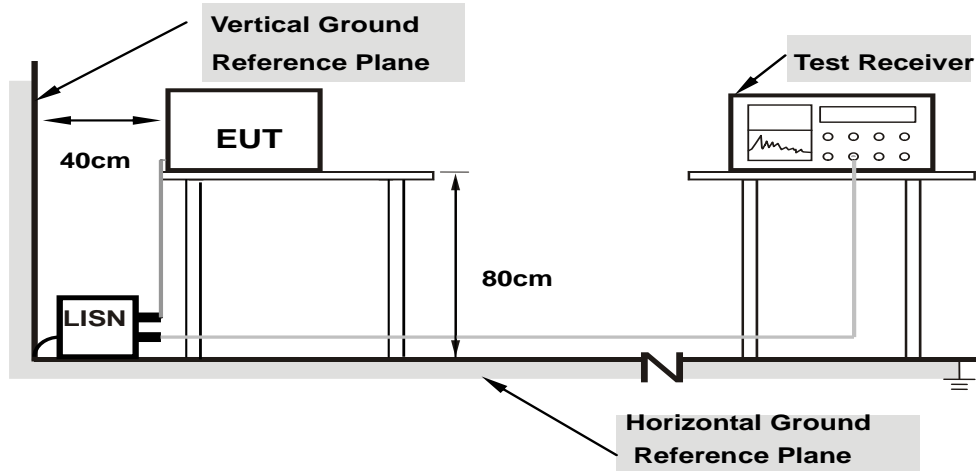
1. The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.
2. All modes of operation were investigated (includes all external accessories) and the worst-case emissions are reported, the other emission levels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

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Telephone :+886-2-7737-3000

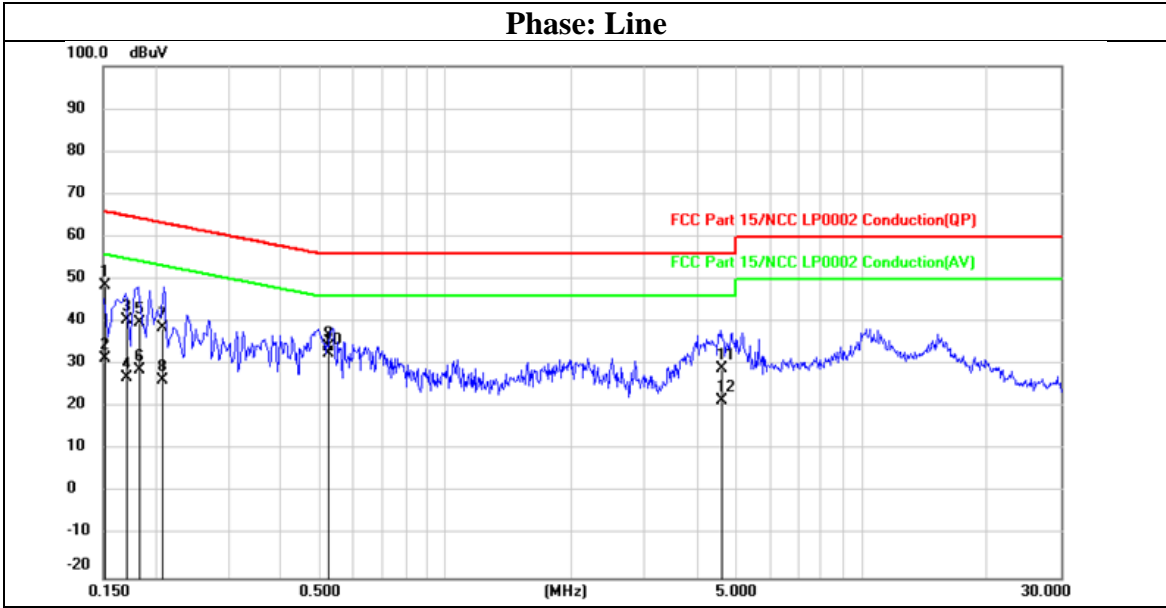
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**Test Data**

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	0.1515	29.11	19.49	48.60	65.92	-17.32	QP
2	0.1515	11.88	19.49	31.37	55.92	-24.55	AVG
3	0.1712	20.82	19.49	40.31	64.90	-24.59	QP
4	0.1712	7.61	19.49	27.10	54.90	-27.80	AVG
5	0.1836	20.42	19.49	39.91	64.32	-24.41	QP
6	0.1836	9.23	19.49	28.72	54.32	-25.60	AVG
7	0.2083	19.13	19.49	38.62	63.27	-24.65	QP
8	0.2083	6.86	19.49	26.35	53.27	-26.92	AVG
9	0.5220	14.76	19.50	34.26	56.00	-21.74	QP
10	0.5220	13.10	19.50	32.60	46.00	-13.40	AVG
11	4.6238	9.58	19.59	29.17	56.00	-26.83	QP
12	4.6238	1.88	19.59	21.47	46.00	-24.53	AVG

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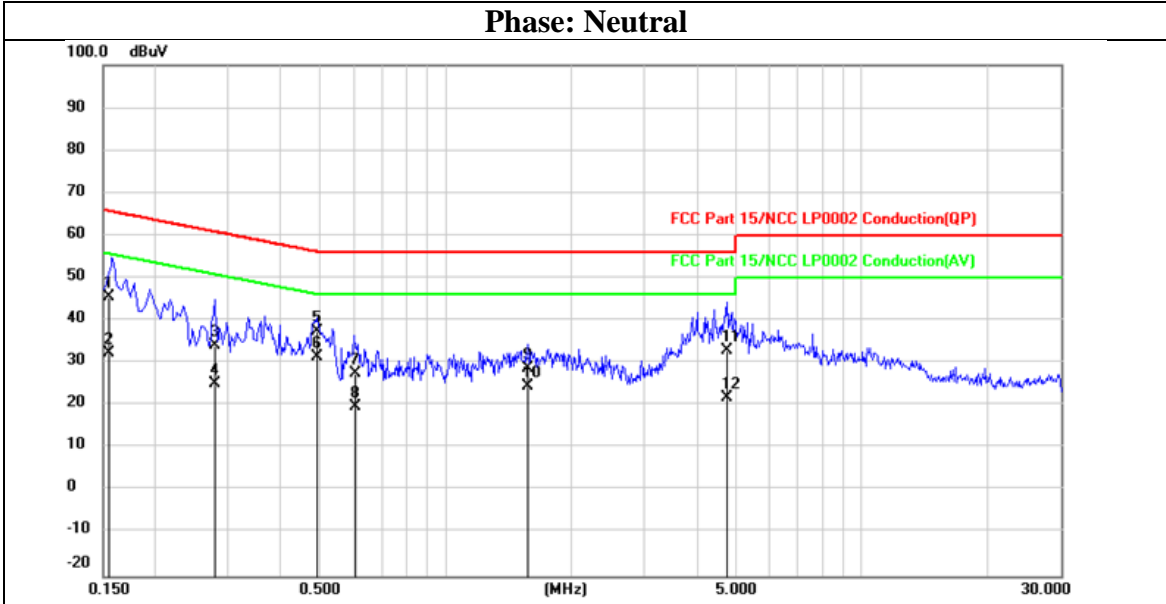
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Mode	TX_WLAN 5G	Channel	149
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1546	26.06	19.49	45.55	65.75	-20.20	QP
2	0.1546	12.99	19.49	32.48	55.75	-23.27	AVG
3	0.2797	14.70	19.49	34.19	60.82	-26.63	QP
4	0.2797	5.79	19.49	25.28	50.82	-25.54	AVG
5	0.4920	18.02	19.49	37.51	56.13	-18.62	QP
6	0.4920	11.83	19.49	31.32	46.13	-14.81	AVG
7	0.6068	8.02	19.50	27.52	56.00	-28.48	QP
8	0.6068	0.32	19.50	19.82	46.00	-26.18	AVG
9	1.5684	9.38	19.52	28.90	56.00	-27.10	QP
10	1.5684	5.00	19.52	24.52	46.00	-21.48	AVG
11	4.7185	13.37	19.60	32.97	56.00	-23.03	QP
12	4.7185	2.20	19.60	21.80	46.00	-24.20	AVG

## END OF REPORT

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