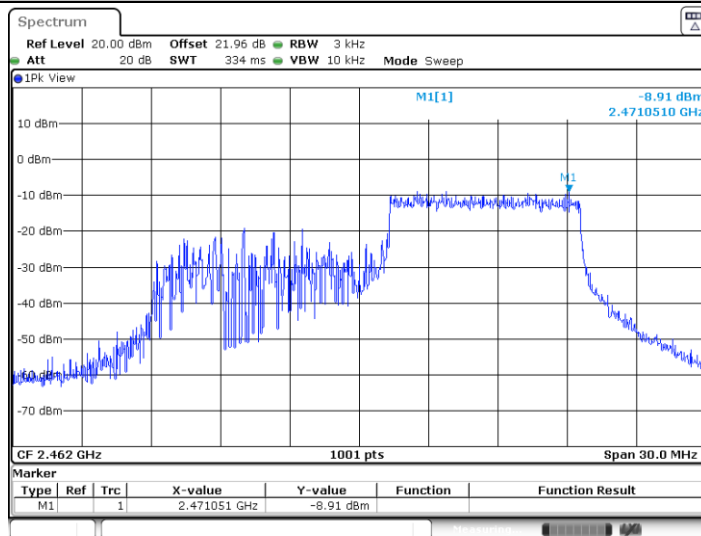
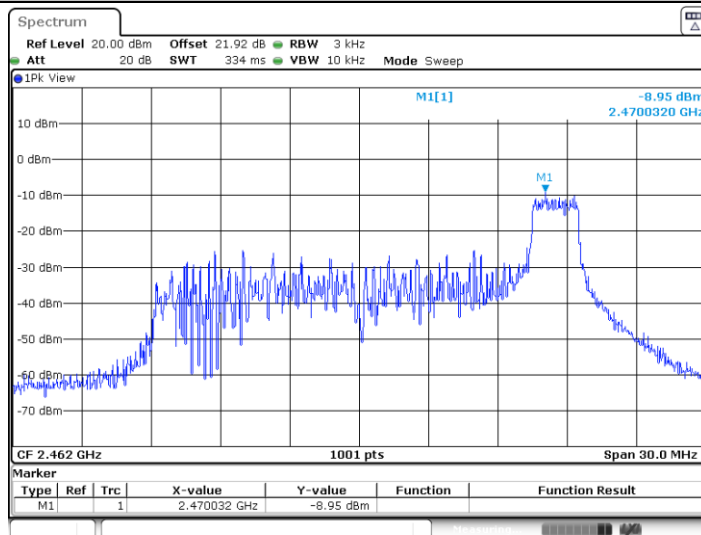




11AX20MIMO_Ant7_2462_106Tone_RU54

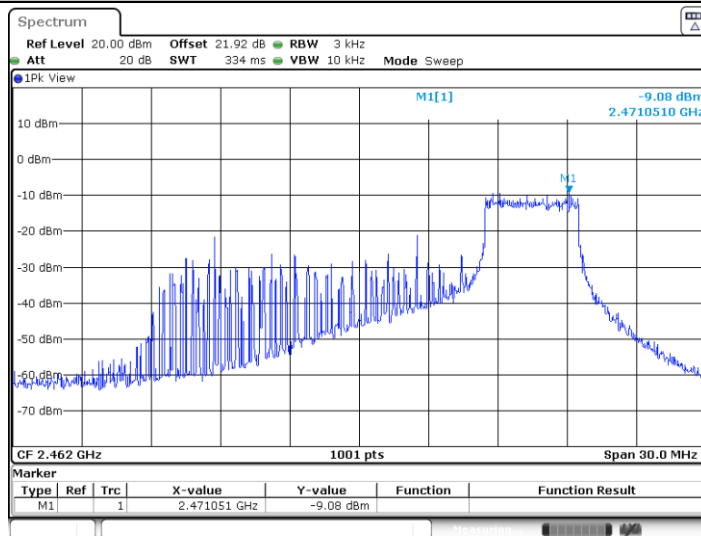


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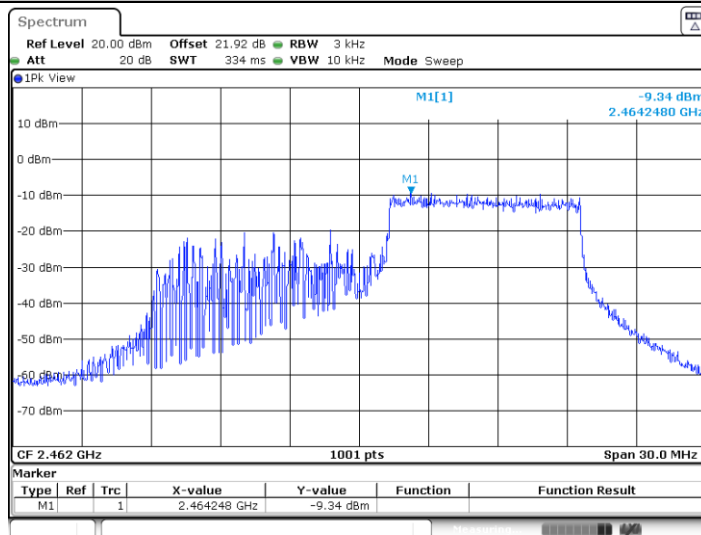




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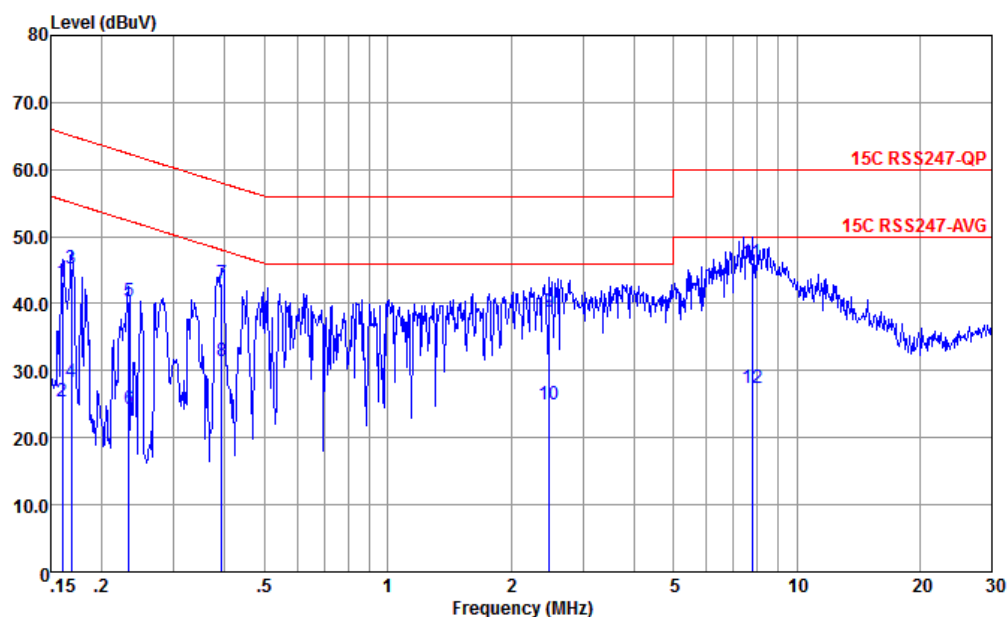
11AX20MIMO_Ant5_2462_106Tone_RU54





Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	Temperature :	25.3 ~ 26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

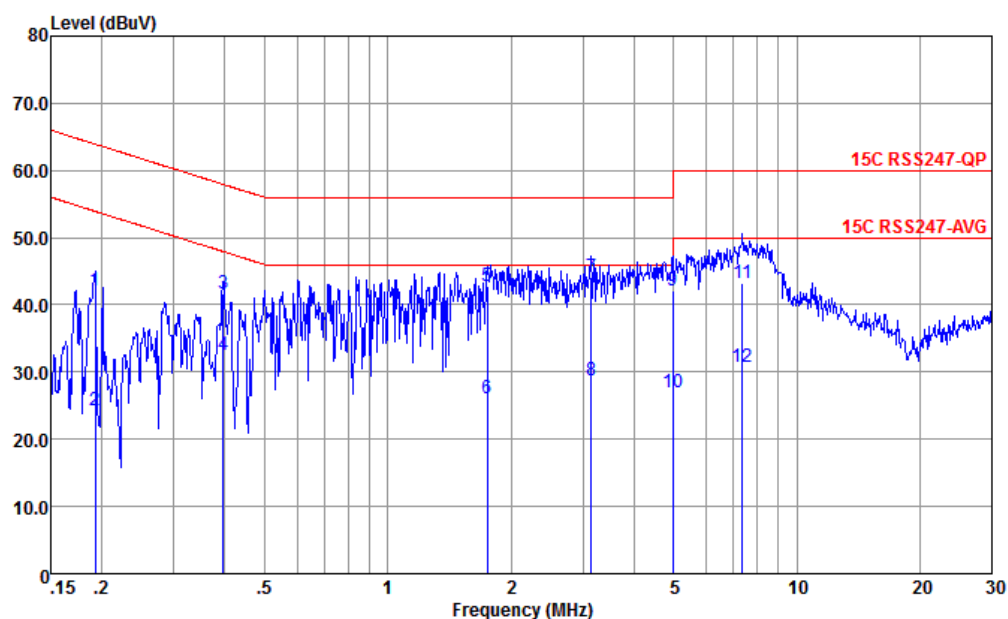


Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-L 24+80 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.160	43.19	-22.28	65.47	32.50	0.24	10.45	QP
2	0.160	25.29	-30.18	55.47	14.60	0.24	10.45	Average
3	0.169	45.20	-19.83	65.03	34.50	0.25	10.45	QP
4	0.169	28.20	-26.83	55.03	17.50	0.25	10.45	Average
5	0.233	40.24	-22.11	62.35	29.50	0.27	10.47	QP
6	0.233	24.24	-28.11	52.35	13.50	0.27	10.47	Average
7	0.393	43.04	-14.95	57.99	32.20	0.35	10.49	QP
8	0.393	31.34	-16.65	47.99	20.50	0.35	10.49	Average
9	2.487	38.85	-17.15	56.00	28.20	0.42	10.23	QP
10	2.487	24.85	-21.15	46.00	14.20	0.42	10.23	Average
11 *	7.769	46.11	-13.89	60.00	35.49	0.41	10.21	QP
12	7.769	27.51	-22.49	50.00	16.89	0.41	10.21	Average



Test Engineer :	Amos Zhang	Temperature :	25.3 ~ 26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-N 24+80 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.192	42.20	-21.73	63.93	31.50	0.24	10.46	QP
2	0.192	24.20	-29.73	53.93	13.50	0.24	10.46	Average
3	0.396	41.63	-16.32	57.95	30.79	0.35	10.49	QP
4	0.396	32.43	-16.52	47.95	21.59	0.35	10.49	Average
5	1.753	42.83	-13.17	56.00	32.20	0.38	10.25	QP
6	1.753	26.13	-19.87	46.00	15.50	0.38	10.25	Average
7 *	3.140	44.12	-11.88	56.00	33.50	0.40	10.22	QP
8	3.140	28.82	-17.18	46.00	18.20	0.40	10.22	Average
9	4.978	42.10	-13.90	56.00	31.50	0.40	10.20	QP
10	4.978	26.90	-19.10	46.00	16.30	0.40	10.20	Average
11	7.368	43.21	-16.79	60.00	32.60	0.41	10.20	QP
12	7.368	30.81	-19.19	50.00	20.20	0.41	10.20	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix C. Radiated Spurious Emission

Test Engineer :	Jerry Xu	Relative Humidity :	41 ~ 42 %
		Temperature :	22 ~ 23 °C

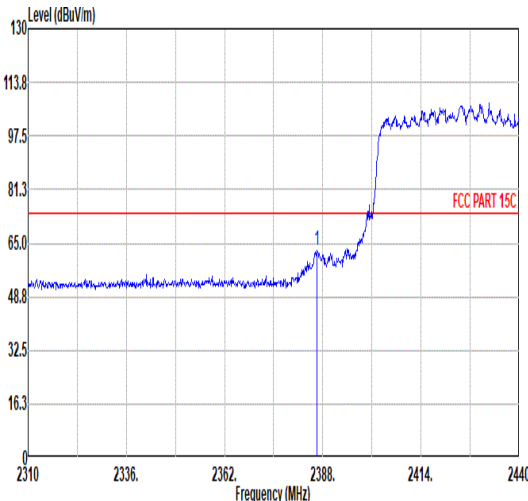
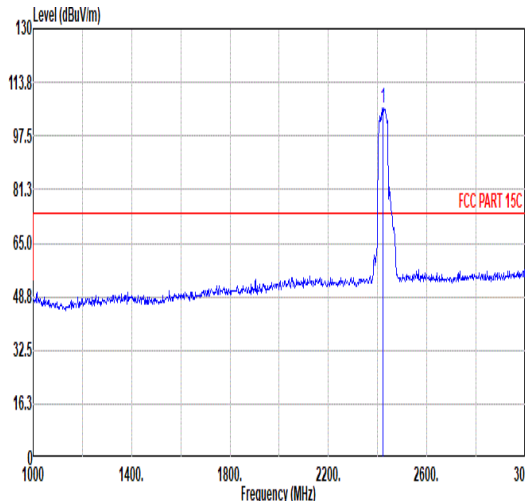
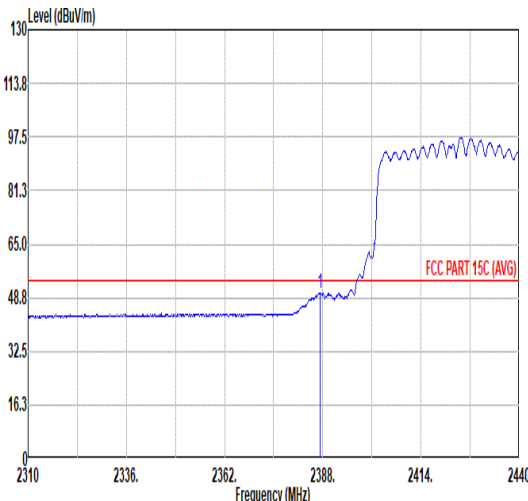
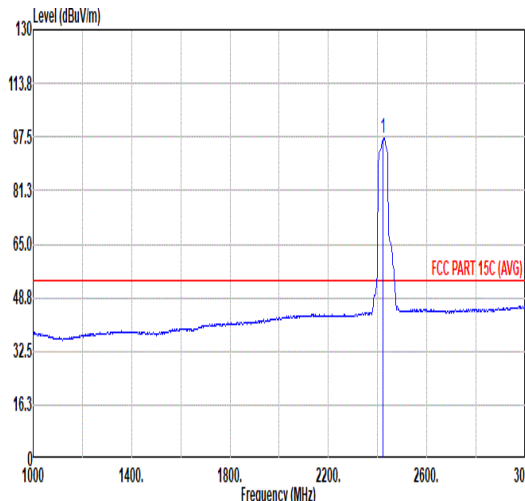
Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	CDD 5+7	802.11ax HE40	3	2422	MCS0	-	-

Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11ax HE40	3	2387.35	50.16	54.00	-3.84	H	AVERAGE	Pass	Band Edge
1	802.11ax HE40	3	7266.00	47.78	74.00	-26.22	H	PEAK	Pass	Harmonic

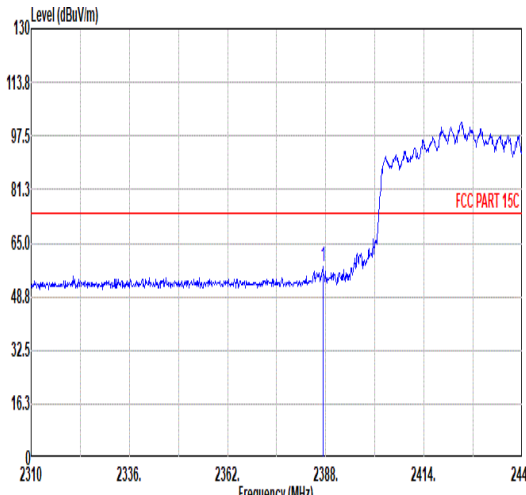
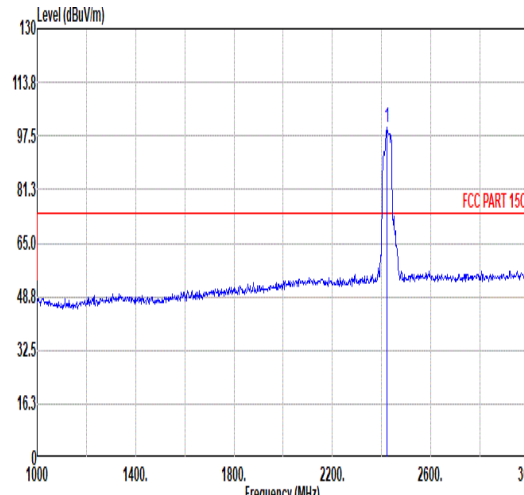
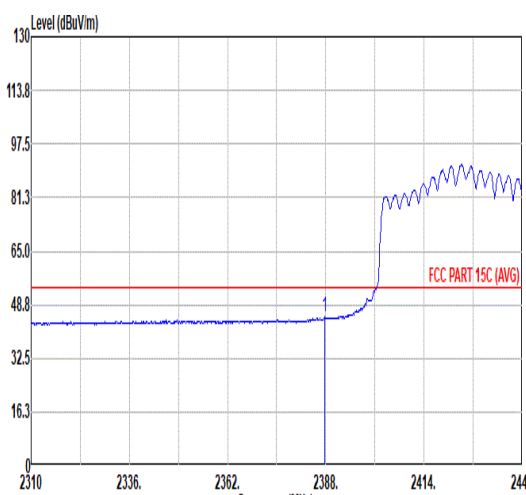
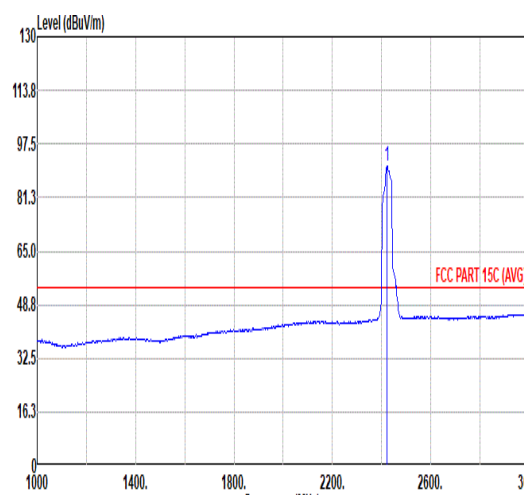


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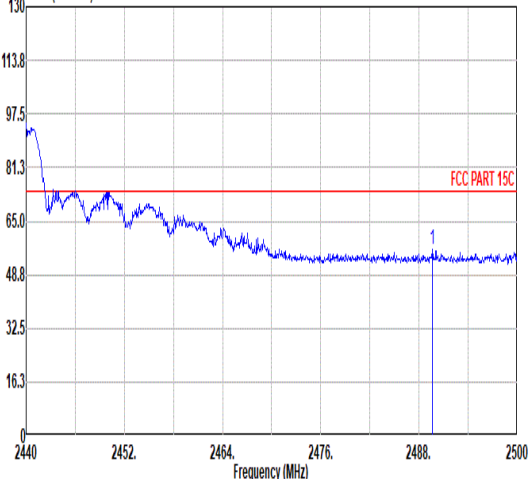
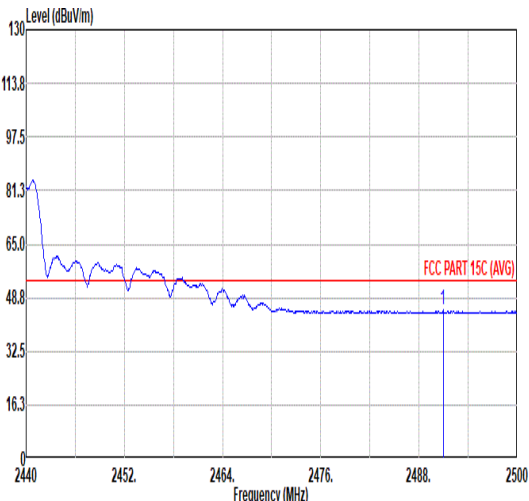


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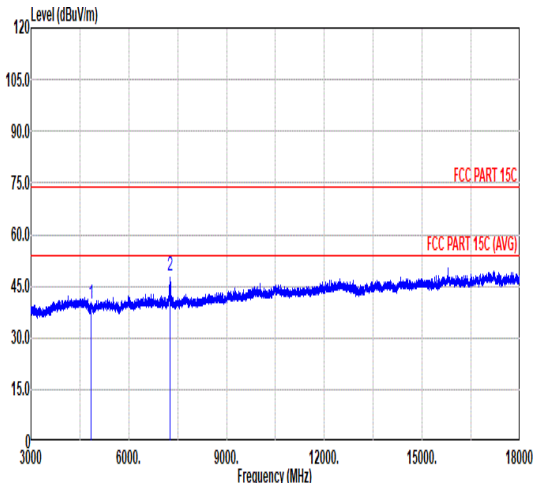
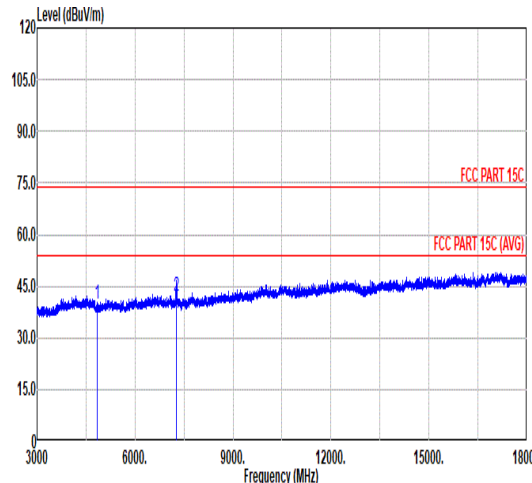


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1	2387.22	57.64	74.00	-16.36	45.04	32.25	6.68	32.33	6.00	383	63 PEAK																																																																																	
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																			
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																		
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1	2422.00	100.26	-----	-----	87.47	32.39	6.73	32.33	6.00	383	63 PEAK																																																																																	
Avg	<table><thead><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>2387.74</td><td>44.92</td><td>54.00</td><td>-9.08</td><td>32.32</td><td>32.25</td><td>6.68</td><td>32.33</td><td>6.00</td><td>383</td><td>63 AVERAGE</td></tr></tbody></table>		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2387.74	44.92	54.00	-9.08	32.32	32.25	6.68	32.33	6.00	383	63 AVERAGE	<table><thead><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>2422.00</td><td>90.98</td><td>-----</td><td>-----</td><td>78.18</td><td>32.40</td><td>6.73</td><td>32.33</td><td>6.00</td><td>383</td><td>63 AVERAGE</td></tr></tbody></table>		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2422.00	90.98	-----	-----	78.18	32.40	6.73	32.33	6.00	383	63 AVERAGE
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																			
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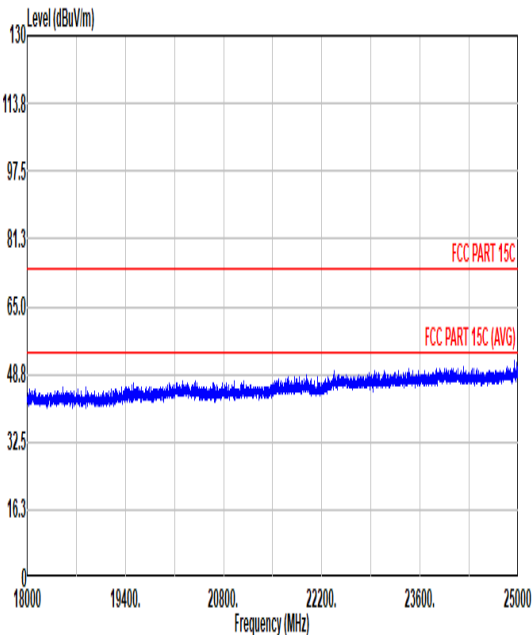
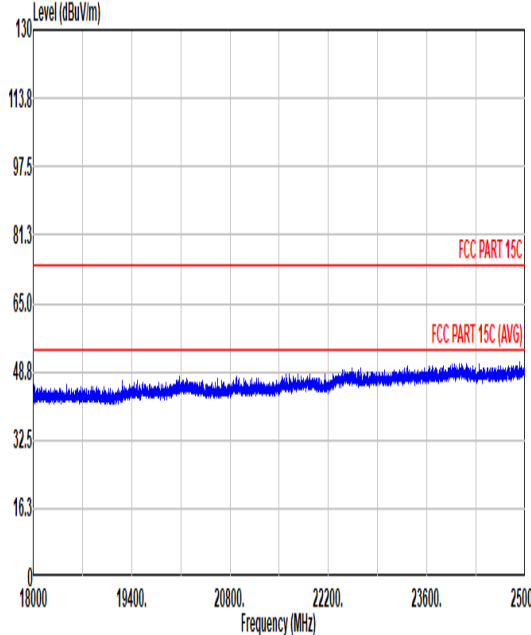


Mode	1																																																								
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ANT	CDD 5+7																																																								
Pol.	Vertical																																																								
Peak	Level (dBuV/m)  Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2489.62</td><td>56.29</td><td>74.00</td><td>-17.71</td><td>43.29</td><td>32.50</td><td>6.83</td><td>32.33</td><td>6.00</td><td>383</td><td>63 PEAK</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2489.62	56.29	74.00	-17.71	43.29	32.50	6.83	32.33	6.00	383	63 PEAK	Fundamental
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																															
	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																														
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																															
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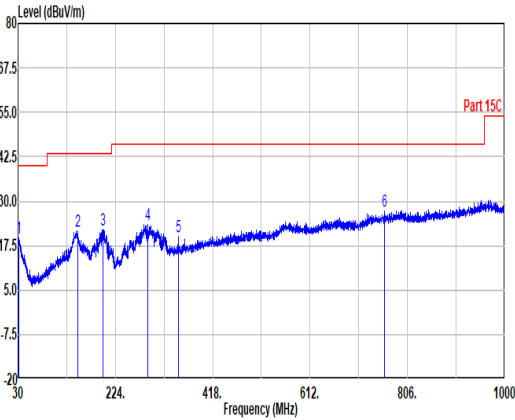
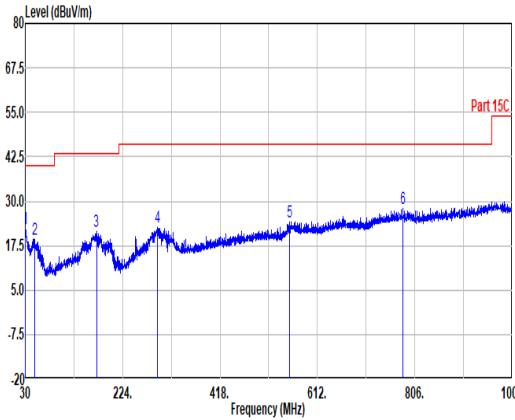


Mode	1																																																																																																																													
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		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																				
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1	4844.00	40.02	74.00	-33.98	62.43	34.10	9.66	66.17	0.00	---	PEAK																																																																																																																			
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Mode	1	
	18G-25G	
	2400-2483.5_802.11ax HE40_CH3_2422MHz	
ANT	CDD 5+7	
Pol.	Horizontal	Vertical
Peak Avg		



Mode	1											
	30-1G											
	2400-2483.5_802.11ax HE40_CH3_2422MHz											
ANT	CDD 5+7											
Pol.	Horizontal						Vertical					
Peak												
	Freq	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	
			Line	Limit	Level	Factor	Loss	Factor	Factor			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
	1	30.97	19.81	40.00	-20.19	27.39	24.86	0.36	32.80	0.00	---	Peak
	2	148.58	21.36	43.50	-22.14	35.67	17.08	1.32	32.71	0.00	---	Peak
	3	199.02	22.06	43.50	-21.44	38.27	14.98	1.57	32.76	0.00	---	Peak
	4	288.02	23.45	46.00	-22.55	35.15	19.27	1.87	32.84	0.00	---	Peak
	5	350.10	20.13	46.00	-25.87	30.59	20.34	2.05	32.85	0.00	---	Peak
	6	760.41	27.21	46.00	-18.79	29.16	28.24	2.99	33.18	0.00	---	Peak
Freq	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		
		Line	Limit	Level	Factor	Loss	Factor	Factor				
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	30.49	22.15	40.00	-17.85	29.49	25.11	0.36	32.81	0.00	---	Peak	
2	48.92	19.28	40.00	-20.72	36.51	14.97	0.55	32.75	0.00	---	Peak	
3	171.06	21.47	43.50	-22.03	37.30	15.47	1.43	32.73	0.00	---	Peak	
4	293.11	22.77	46.00	-23.23	34.32	19.40	1.89	32.84	0.00	---	Peak	
5	557.20	24.08	46.00	-21.92	28.33	26.40	2.58	33.23	0.00	---	Peak	
6	782.24	28.10	46.00	-17.90	29.52	28.63	3.03	33.08	0.00	---	Peak	

Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11ax HE40	91.45	0.535	1.869	2kHz

802.11ax HE40

