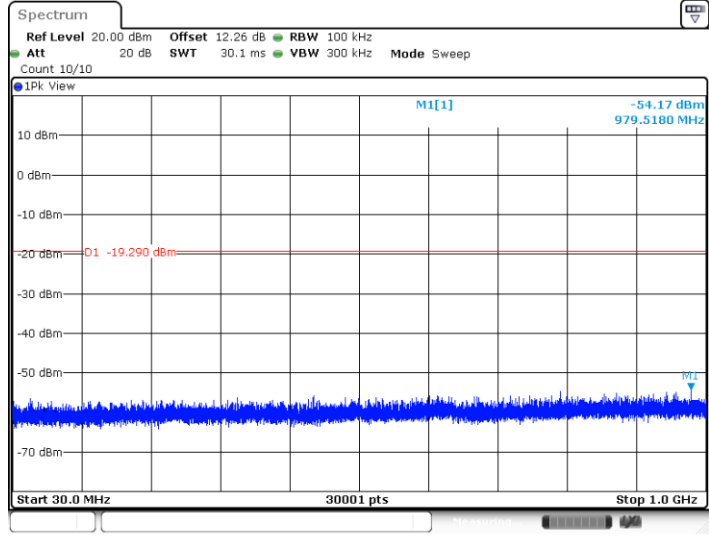


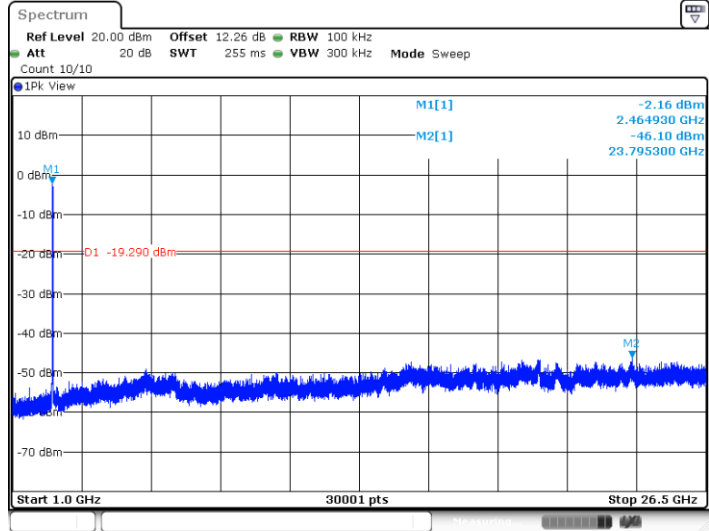


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Date: 7.NOV.2023 13:06:40

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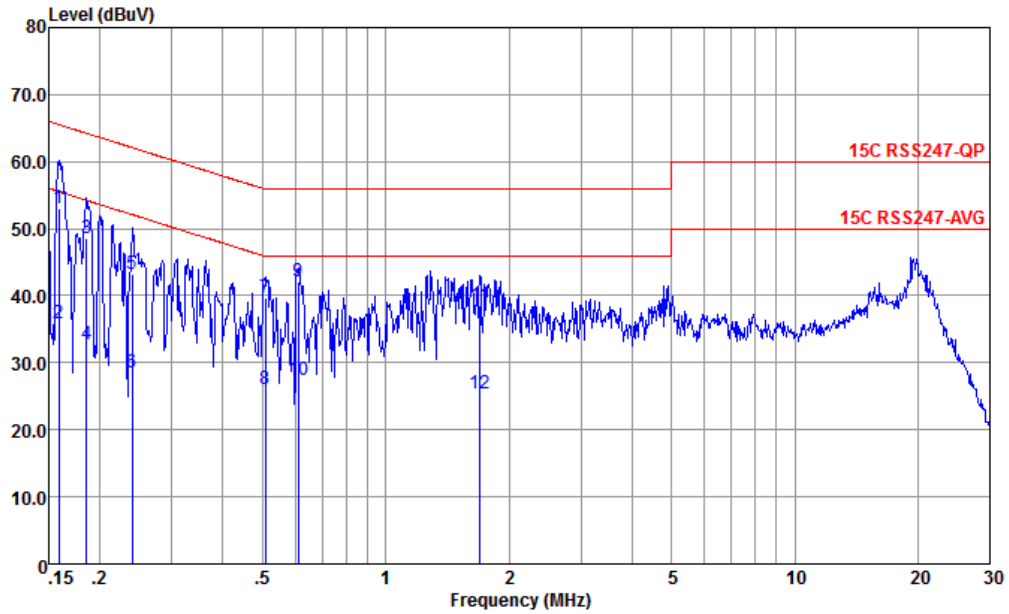


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## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos	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.		

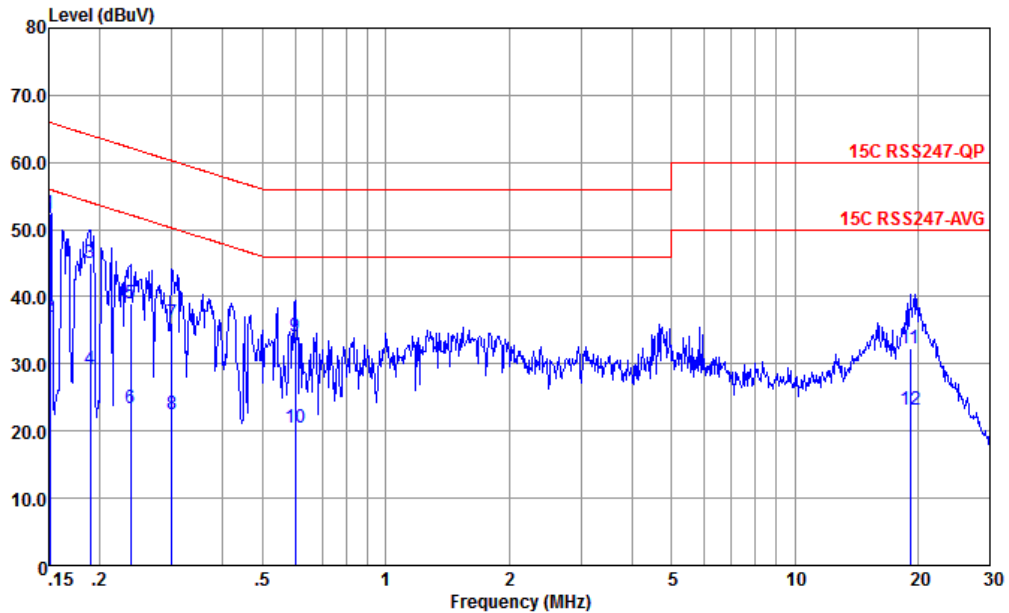


Site : CO01-KS  
 Condition : 15C RSS247-QP LISN-060105-L 2023 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.159	53.07	-12.45	65.52	42.59	0.05	10.43	QP
2	0.159	35.77	-19.75	55.52	25.29	0.05	10.43	Average
3	0.185	48.66	-15.58	64.24	38.20	0.04	10.42	QP
4	0.185	32.76	-21.48	54.24	22.30	0.04	10.42	Average
5	0.240	43.22	-18.86	62.08	32.80	0.03	10.39	QP
6	0.240	28.62	-23.46	52.08	18.20	0.03	10.39	Average
7	0.507	39.78	-16.22	56.00	29.60	-0.03	10.21	QP
8	0.507	26.08	-19.92	46.00	15.90	-0.03	10.21	Average
9	0.611	42.03	-13.97	56.00	31.90	-0.05	10.18	QP
10	0.611	27.33	-18.67	46.00	17.20	-0.05	10.18	Average
11	1.698	38.54	-17.46	56.00	28.60	-0.13	10.07	QP
12	1.698	25.44	-20.56	46.00	15.50	-0.13	10.07	Average



Test Engineer :	Amos	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-OP LISN-060105-N 2023 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.151	52.37	-13.59	65.96	41.90	0.04	10.43	QP
2	0.151	37.07	-18.89	55.96	26.60	0.04	10.43	Average
3	0.189	45.07	-18.99	64.06	34.60	0.05	10.42	QP
4	0.189	29.27	-24.79	54.06	18.80	0.05	10.42	Average
5	0.238	38.90	-23.27	62.17	28.50	0.01	10.39	QP
6	0.238	23.30	-28.87	52.17	12.90	0.01	10.39	Average
7	0.300	36.11	-24.13	60.24	25.80	-0.04	10.35	QP
8	0.300	22.51	-27.73	50.24	12.20	-0.04	10.35	Average
9	0.601	34.01	-21.99	56.00	23.90	-0.07	10.18	QP
10	0.601	20.41	-25.59	46.00	10.30	-0.07	10.18	Average
11	19.122	32.27	-27.73	60.00	21.20	-0.24	11.31	QP
12	19.122	23.27	-26.73	50.00	12.20	-0.24	11.31	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 Data

Test Engineer :	Levi zhao	Relative Humidity :	41~ 42%
		Temperature :	22 ~ 23°C

### Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	Remark
Mode 1	2400-2483.5	1	802.11b	01	2412	1Mbps	-
Mode 2	2400-2483.5	1	802.11b	06	2437	1Mbps	-
Mode 3	2400-2483.5	1	802.11b	11	2462	1Mbps	-
Mode 4	2400-2483.5	1	802.11g	01	2412	6Mbps	-
Mode 5	2400-2483.5	1	802.11g	06	2437	6Mbps	-
Mode 6	2400-2483.5	1	802.11g	11	2462	6Mbps	-
Mode 7	2400-2483.5	1	802.11n HT20	01	2412	MCS0	-
Mode 8	2400-2483.5	1	802.11n HT20	06	2437	MCS0	-
Mode 9	2400-2483.5	1	802.11n HT20	11	2462	MCS0	-
Mode 10	2400-2483.5	1	802.11g	02	2417	6Mbps	-
Mode 11	2400-2483.5	1	802.11g	10	2457	6Mbps	-
Mode 12	2400-2483.5	1	802.11n HT20	02	2417	MCS0	-
Mode 13	2400-2483.5	1	802.11n HT20	10	2457	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	802.11b	01	2389.95	42.81	54.00	-11.19	V	AVERAGE	Pass	Band Edge
1	802.11b	01	4824.00	50.25	54.00	-3.75	H	AVERAGE	Pass	Harmonic
2	802.11b	06	-	-	-	-	-	-	-	Band Edge
2	802.11b	06	4874.00	49.13	54.00	-4.87	H	AVERAGE	Pass	Harmonic
3	802.11b	11	2484.70	41.47	54.00	-12.53	V	AVERAGE	Pass	Band Edge
3	802.11b	11	4924.00	49.02	54.00	-4.98	H	AVERAGE	Pass	Harmonic
4	802.11g	01	2389.95	49.45	54.00	-4.55	V	AVERAGE	Pass	Band Edge
4	802.11g	01	4824.00	40.60	74.00	-33.40	V	PEAK	Pass	Harmonic
5	802.11g	06	-	-	-	-	-	-	-	Band Edge
5	802.11g	06	4874.00	43.79	54.00	-10.21	V	AVERAGE	Pass	Harmonic
6	802.11g	11	2483.56	44.25	54.00	-9.75	V	AVERAGE	Pass	Band Edge
6	802.11g	11	4924.00	42.50	74.00	-31.50	V	PEAK	Pass	Harmonic
7	802.11n HT20	01	2389.82	46.71	54.00	-7.29	V	AVERAGE	Pass	Band Edge
7	802.11n HT20	01	4824.00	40.75	74.00	-33.25	V	PEAK	Pass	Harmonic
8	802.11n HT20	06	-	-	-	-	-	-	-	Band Edge
8	802.11n HT20	06	4874.00	43.73	54.00	-10.27	V	AVERAGE	Pass	Harmonic
9	802.11n HT20	11	2483.68	46.95	54.00	-7.05	V	AVERAGE	Pass	Band Edge
9	802.11n HT20	11	4924.00	42.09	74.00	-31.91	H	PEAK	Pass	Harmonic
10	802.11g	02	2389.56	49.63	54.00	-4.37	V	AVERAGE	Pass	Band Edge
10	802.11g	02	-	-	-	-	-	-	-	Harmonic
11	802.11g	10	2483.55	46.34	54.00	-7.66	H	AVERAGE	Pass	Band Edge
11	802.11g	10	-	-	-	-	-	-	-	Harmonic
12	802.11n HT20	02	2389.56	48.37	54.00	-5.63	V	AVERAGE	Pass	Band Edge
	802.11n HT20	02	-	-	-	-	-	-	-	Harmonic
13	802.11n HT20	10	2483.51	49.84	54.00	-4.16	H	AVERAGE	Pass	Band Edge
	802.11n HT20	10	-	-	-	-	-	-	-	Harmonic



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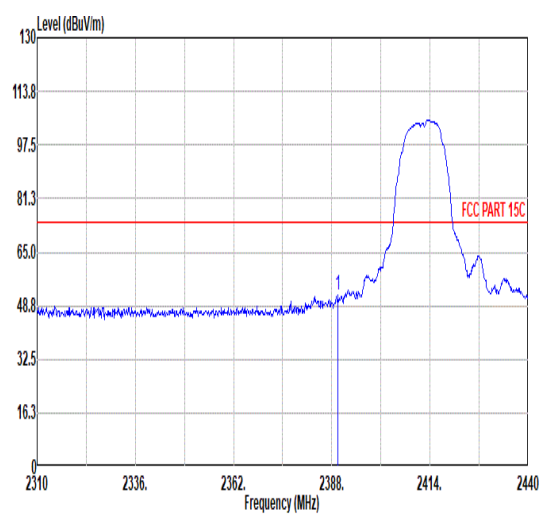
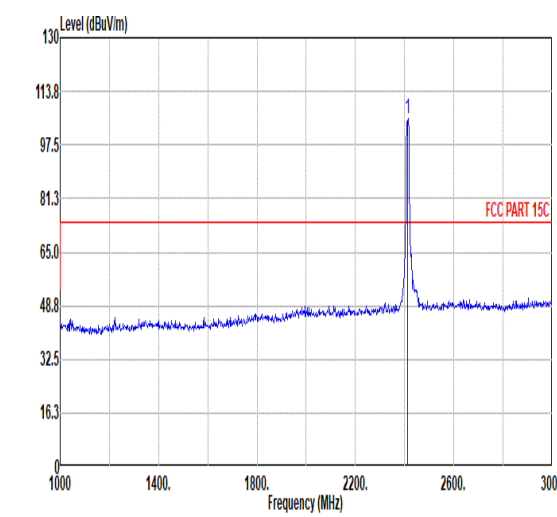
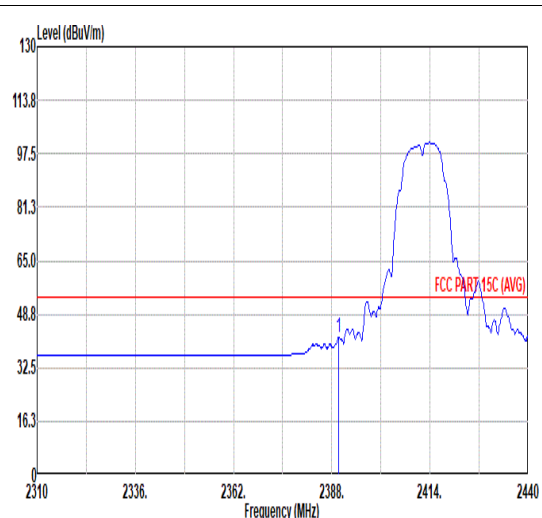
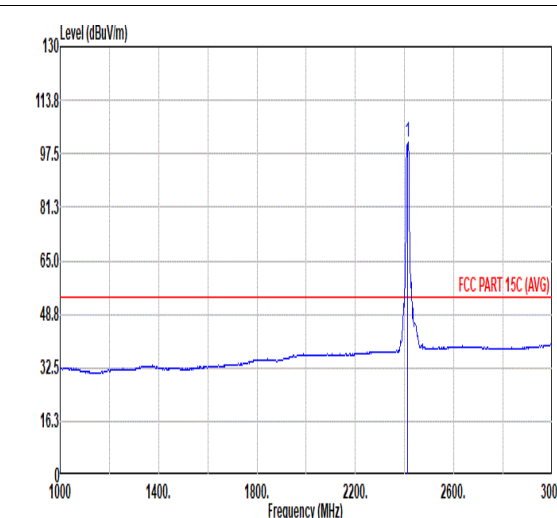
### Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 10	2400-2483.5	1	802.11b	01	2412	1Mbps	-	-
	Part 27F B13 Link (BW=5M)							

### Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
10	802.11b	01	2387.42	42.90	54.00	-11.10	H	AVERAGE	Pass	Band Edge
10	802.11b	01	4824.00	49.36	54.00	-4.64	H	AVERAGE	Pass	Harmonic



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Mode	Band Edge																																																																																	
	2400-2483.5_802.11b_CH01_2412MHz																																																																																	
Pol.	Horizontal	Fundamental																																																																																
Peak	 <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC PART 15C</p> <table border="1"> <thead> <tr> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Level</th> <th>Loss</th> <th>Loss</th> <th>Loss</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> <tr> <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>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2389.69</td> <td>51.98</td> <td>74.00</td> <td>-22.02</td> <td>43.63</td> <td>32.07</td> <td>7.11</td> <td>36.83</td> <td>6.00</td> <td>125</td> <td>234</td> <td>PEAK</td> </tr> </tbody> </table>	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Level	Loss	Loss	Loss	dB	cm	deg	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	deg	1	2389.69	51.98	74.00	-22.02	43.63	32.07	7.11	36.83	6.00	125	234	PEAK	 <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC PART 15C</p> <table border="1"> <thead> <tr> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Level</th> <th>Loss</th> <th>Loss</th> <th>Loss</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> <tr> <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>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2412.00</td> <td>105.46</td> <td>-----</td> <td>-----</td> <td>97.01</td> <td>32.17</td> <td>7.14</td> <td>36.86</td> <td>6.00</td> <td>125</td> <td>234</td> <td>PEAK</td> </tr> </tbody> </table>	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Level	Loss	Loss	Loss	dB	cm	deg	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	deg	1	2412.00	105.46	-----	-----	97.01	32.17	7.14	36.86	6.00	125	234	PEAK
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Mode	1	
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Pol.	Horizontal	Vertical
Peak QP	<p>The plot shows the signal level in dBuV/m versus frequency in MHz for the horizontal polarization. The y-axis ranges from 0 to 130 dBuV/m, and the x-axis ranges from 18000 to 25000 MHz. A blue line represents the signal level, which fluctuates around 48.8 dBuV/m. Two red horizontal lines indicate the FCC Part 15C limits: -50dB at 81.3 dBuV/m and -80dB at 48.8 dBuV/m. The signal level is consistently below the -80dB limit.</p>	<p>The plot shows the signal level in dBuV/m versus frequency in MHz for the vertical polarization. The y-axis ranges from 0 to 130 dBuV/m, and the x-axis ranges from 18000 to 25000 MHz. A blue line represents the signal level, which fluctuates around 48.8 dBuV/m. Two red horizontal lines indicate the FCC Part 15C limits: -50dB at 81.3 dBuV/m and -80dB at 48.8 dBuV/m. The signal level is consistently below the -80dB limit.</p>



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3

Mode

Band Edge

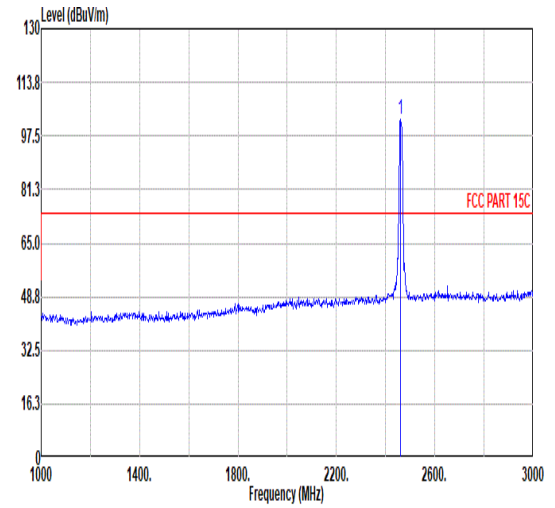
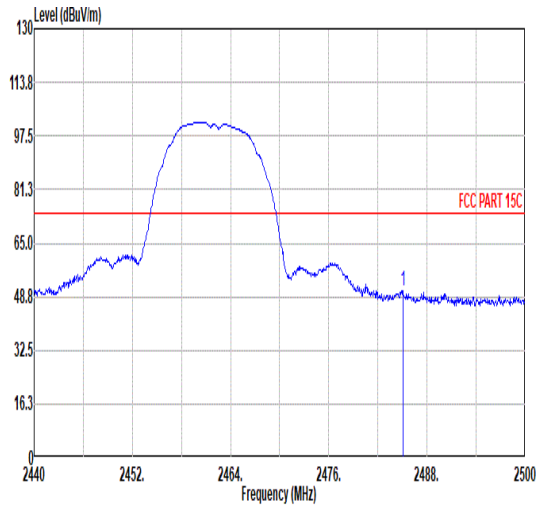
2400-2483.5\_802.11b\_CH11\_2462MHz

Pol.

Horizontal

Fundamental

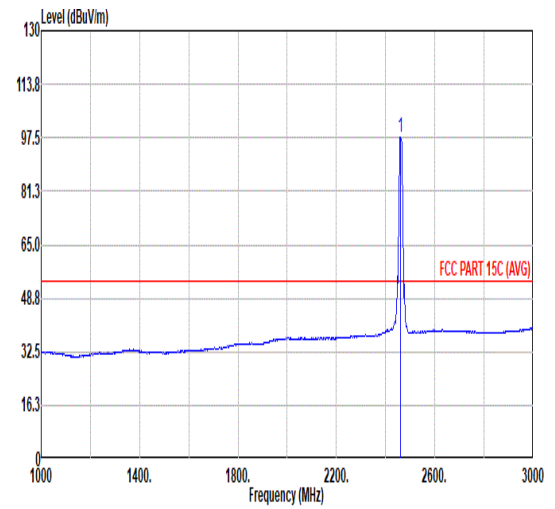
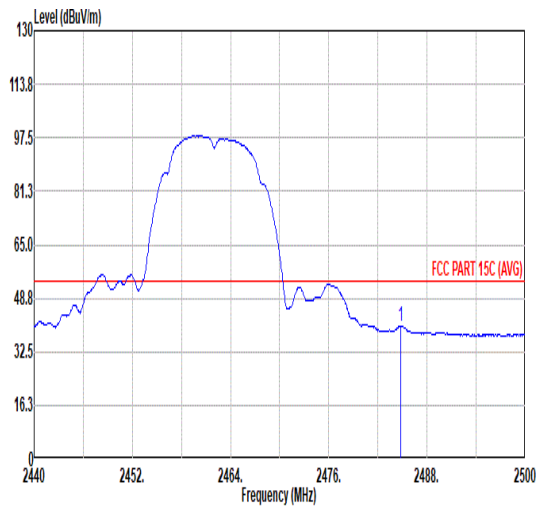
Peak



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	2465.06	50.55	74.00	-23.45	41.74	32.53	7.26	36.98	6.00	100	309	PEAK

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	2462.00	102.56	-----	-----	93.89	32.40	7.22	36.95	6.00	100	309	PEAK

Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	2484.76	40.42	54.00	-13.58	31.62	32.52	7.26	36.98	6.00	100	309	AVERAGE

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	2462.00	97.79	-----	-----	89.12	32.40	7.22	36.95	6.00	100	309	AVERAGE



3

Mode

Band Edge

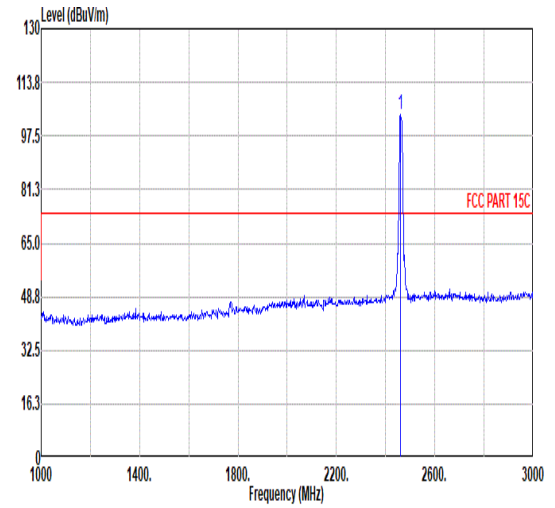
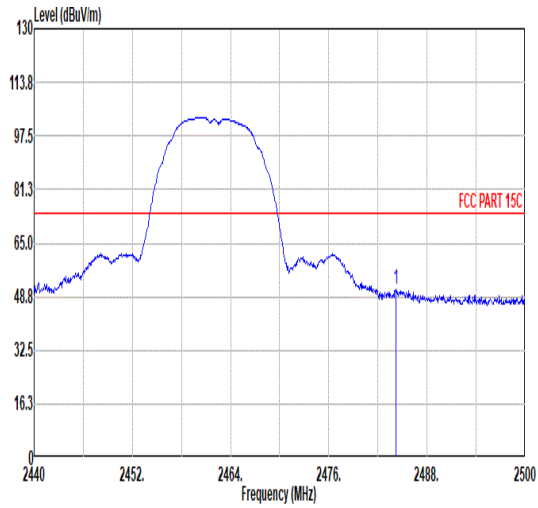
2400-2483.5\_802.11b\_CH11\_2462MHz

Pol.

Vertical

Fundamental

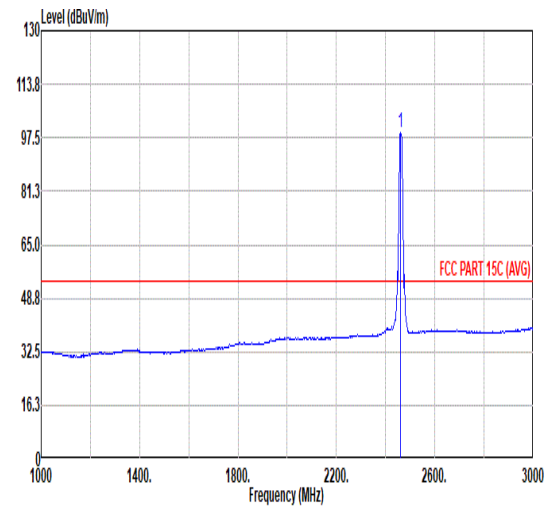
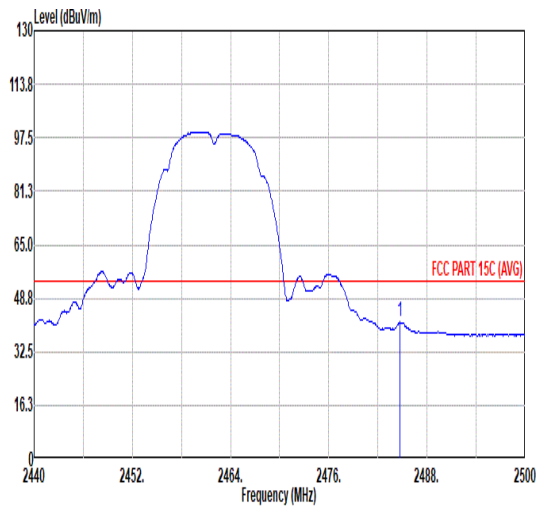
Peak



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	2484.22	50.85	74.00	-23.15	42.05	32.52	7.26	36.98	6.00	217	263	PEAK

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	2462.00	103.90	-----	-----	95.23	32.40	7.22	36.95	6.00	217	263	PEAK

Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	2484.70	41.47	54.00	-12.53	32.67	32.52	7.26	36.98	6.00	217	263	AVERAGE

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	2462.00	99.15	-----	-----	90.48	32.40	7.22	36.95	6.00	217	263	AVERAGE



Mode	3																																																																																																																																							
	Harmonic																																																																																																																																							
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3	7386.00	41.40	74.00	-32.60	59.63	35.70	12.73	66.66	0.00	--	--	PEAK																																																																																																																												





4

Mode

Band Edge

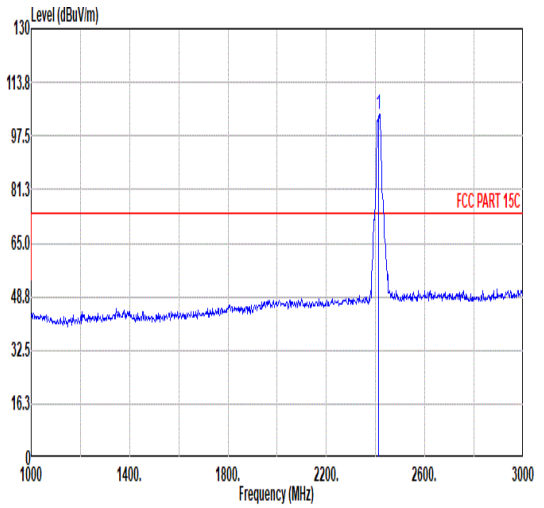
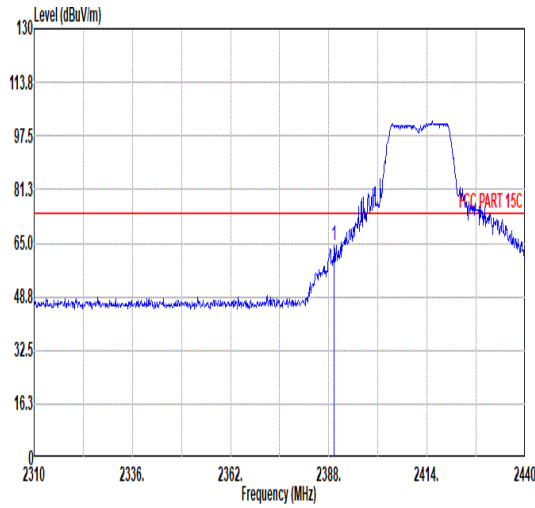
2400-2483.5\_802.11g\_CH01\_2412MHz

Pol.

Horizontal

Fundamental

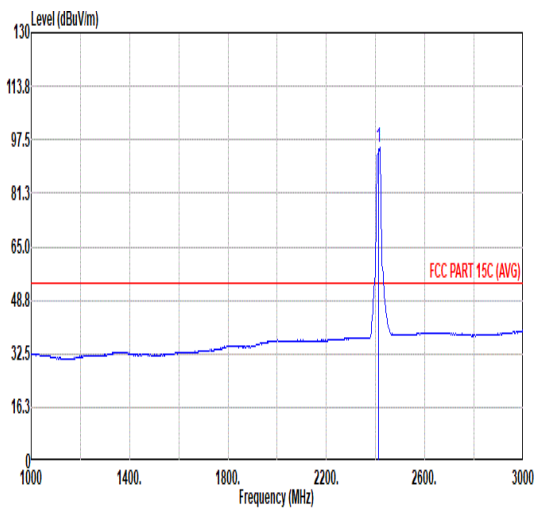
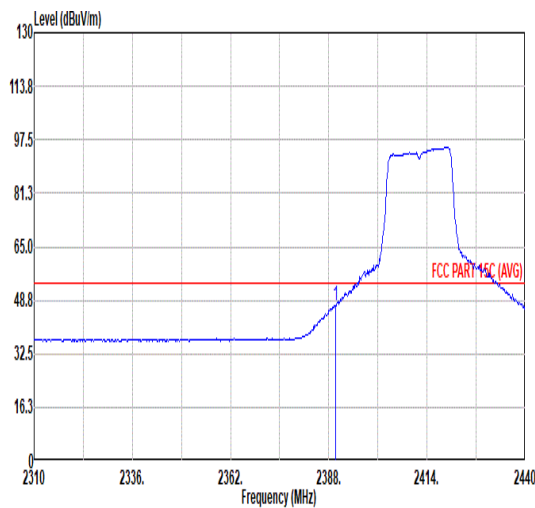
Peak



1	MHz	dBuV/m	Limit	Read	Ant	Cable	Preamp	Aux	Apos	Tpos	Remark
			Freq								
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1	MHz	dBuV/m	Limit	Read	Ant	Cable	Preamp	Aux	Apos	Tpos	Remark
			Freq								
	2412.00	104.00	-----	95.53	32.18	7.15	36.86	6.00	104	233 PEAK	

Avg



1	MHz	dBuV/m	Limit	Read	Ant	Cable	Preamp	Aux	Apos	Tpos	Remark
			Freq								
	2389.82	47.29	54.00	-6.71	38.94	32.07	7.11	36.83	6.00	104	233 AVERAGE

1	MHz	dBuV/m	Limit	Read	Ant	Cable	Preamp	Aux	Apos	Tpos	Remark
			Freq								
	2412.00	95.11	-----	86.63	32.20	7.15	36.87	6.00	104	233 AVERAGE	



4

Mode

Band Edge

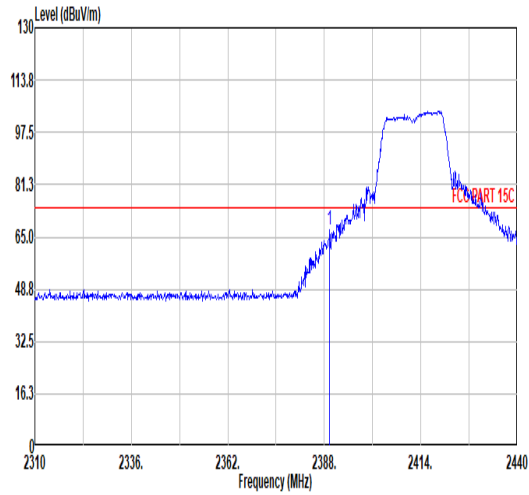
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Pol.

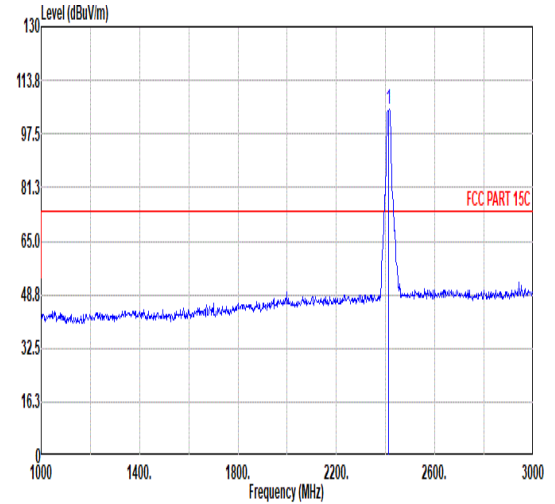
Vertical

Fundamental

Peak

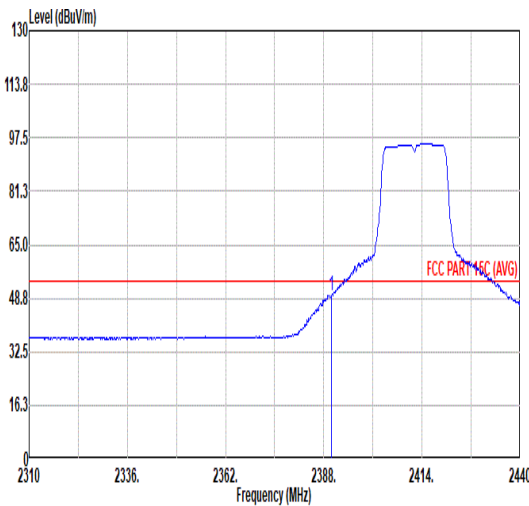


1	MHz	Level	Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
			dBuV/m	dBuV/m								
1	2389.43	67.37	74.00	-6.63	59.03	32.07	7.10	36.83	6.00	104	233	PEAK

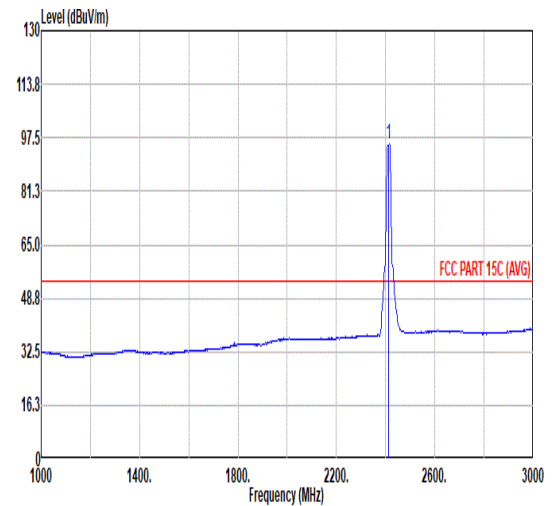


1	MHz	Level	Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
			dBuV/m	dBuV/m								
1	2412.00	105.09	-----	-----	96.62	32.18	7.15	36.86	6.00	225	281	PEAK

Avg



1	MHz	Level	Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
			dBuV/m	dBuV/m								
1	2389.95	49.45	54.00	-4.55	41.10	32.07	7.11	36.83	6.00	225	281	AVERAGE



1	MHz	Level	Limit		Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
			dBuV/m	dBuV/m								
1	2412.00	95.62	-----	-----	87.15	32.18	7.15	36.86	6.00	225	281	AVERAGE



Mode	4																																																																																	
	Harmonic																																																																																	
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Mode

Band Edge - L

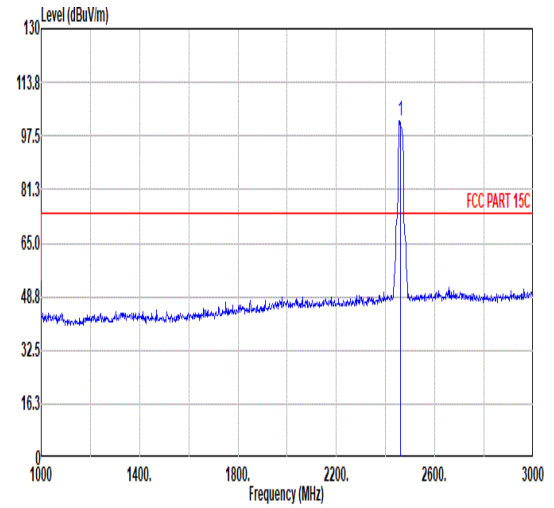
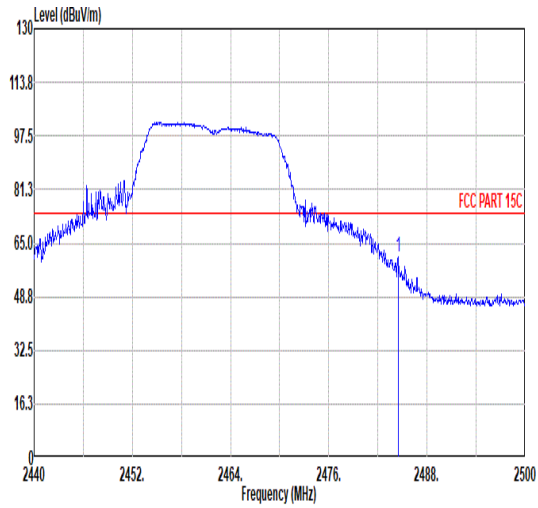
2400-2483.5\_802.11g\_CH11\_2462MHz

Pol.

Horizontal

Fundamental

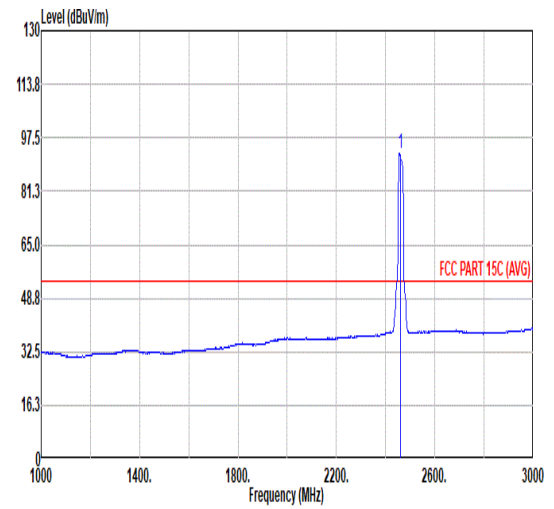
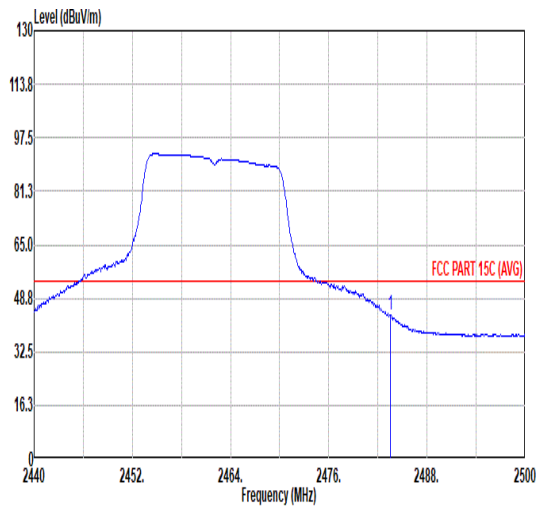
Peak



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
1	2484.46	61.04	74.00	-12.96	52.24	32.52	7.26	36.98	6.00	100	302	PEAK

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
1	2462.00	102.02	-----	-----	93.38	32.38	7.21	36.95	6.00	100	302	PEAK

Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
1	2483.56	43.66	54.00	-10.34	34.86	32.52	7.26	36.98	6.00	100	302	AVERAGE

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
1	2462.00	92.62	-----	-----	83.98	32.38	7.21	36.95	6.00	100	302	AVERAGE



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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																					
1	4924.00	40.58	74.00	-33.42	61.57	33.95	10.35	65.29	0.00	--	--	PEAK																																																																																																		
2	7386.00	40.71	74.00	-33.29	58.94	35.70	12.73	66.66	0.00	--	--	PEAK																																																																																																		
Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																						
Freq	Level	Line Margin	Level Factor	Loss Factor	Factor																																																																																																									
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																					
1	4924.00	42.50	74.00	-31.50	63.49	33.95	10.35	65.29	0.00	--	--	PEAK																																																																																																		
2	7386.00	40.89	74.00	-33.11	59.12	35.70	12.73	66.66	0.00	--	--	PEAK																																																																																																		



7

Mode

Band Edge

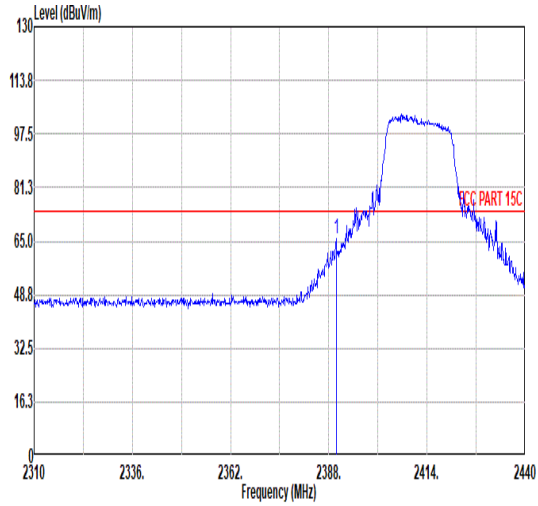
2400-2483.5\_802.11n\_HT20\_CH01\_2412MHz

Pol.

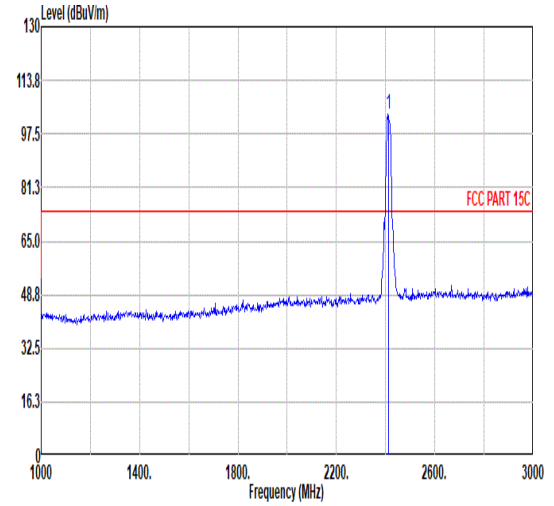
Horizontal

Fundamental

Peak

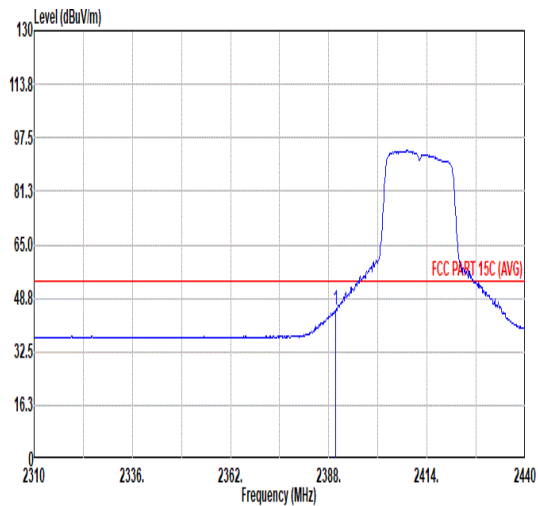


Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
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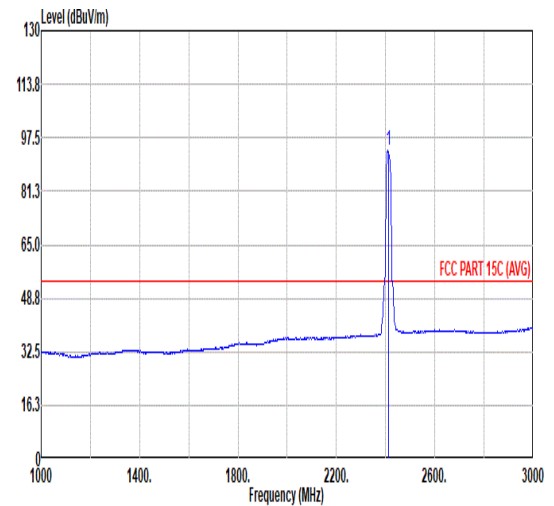


Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2412.00	103.61	-----	-----	95.17	32.15	7.14	36.85	6.00	102	305	PEAK

Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2389.82	45.13	54.00	-8.87	36.78	32.07	7.11	36.83	6.00	102	305	AVERAGE



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
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7

Mode

Band Edge

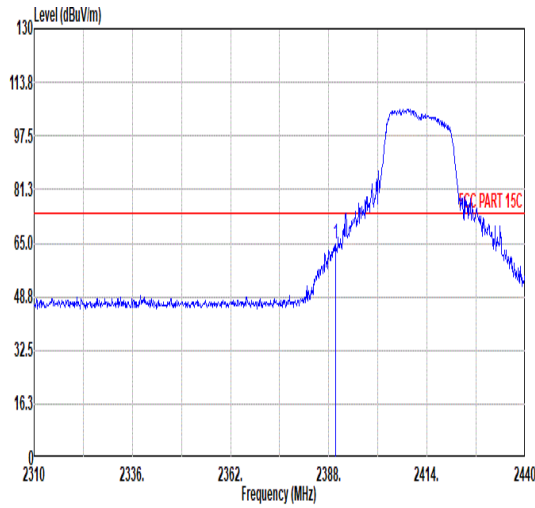
2400-2483.5\_802.11n\_HT20\_CH01\_2412MHz

Pol.

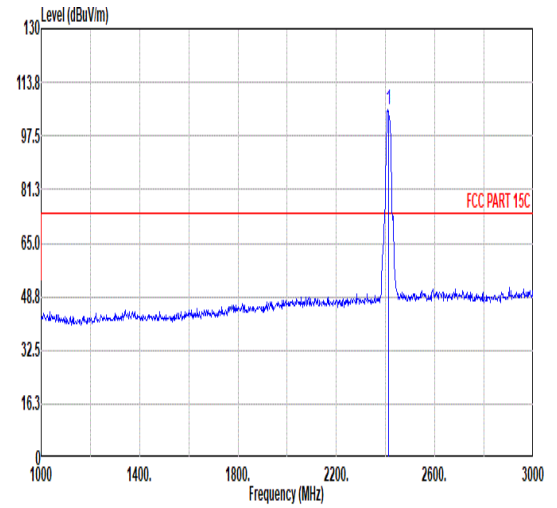
Vertical

Fundamental

Peak

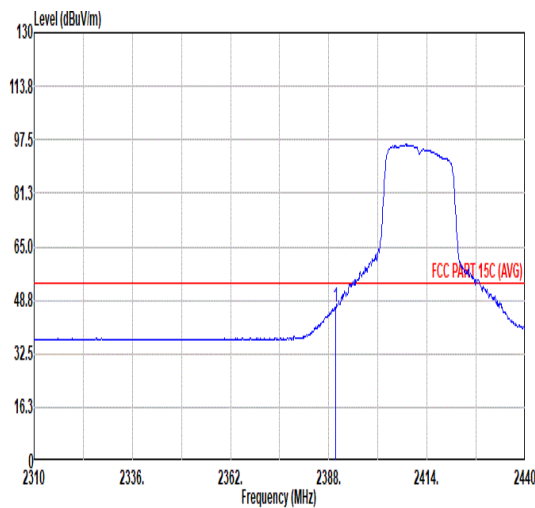


Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2389.82	64.87	74.00	-9.13	56.52	32.07	7.11	36.83	6.00	225	273	PEAK

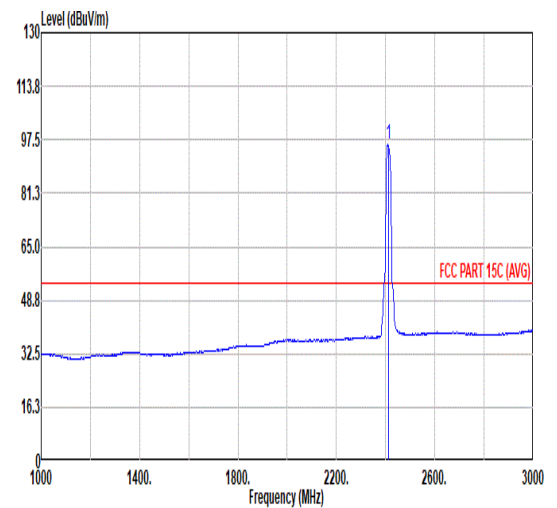


Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2412.00	105.31	-----	-----	96.88	32.14	7.13	36.84	6.00	225	273	PEAK

Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2389.82	46.71	54.00	-7.29	38.36	32.07	7.11	36.83	6.00	225	273	AVERAGE



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2412.00	95.93	-----	-----	87.50	32.14	7.13	36.84	6.00	225	273	AVERAGE



Mode	7																																																																																
	Harmonic																																																																																
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Pol.	Horizontal	Vertical																																																																															
Peak Avg																																																																																	
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Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																									
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Freq	Level	Line Margin	Level Factor	Loss Factor	Factor																																																																												
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Mode	8																																																																																																																																							
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	2400-2483.5_802.11n_HT20_CH06_2437MHz																																																																																																																																							
Pol.	Horizontal	Vertical																																																																																																																																						
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	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																															
Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor																																																																																																																																		
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																															
1	4874.00	53.85	74.00	-20.15	74.93	33.90	10.29	65.27	0.00	199	237	PEAK																																																																																																																												
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1	4874.00	53.46	74.00	-20.54	74.54	33.90	10.29	65.27	0.00	305	82	PEAK																																																																																																																												
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3	7311.00	43.11	74.00	-30.89	61.14	35.70	12.72	66.45	0.00	--	--	PEAK																																																																																																																												



9

Mode

Band Edge

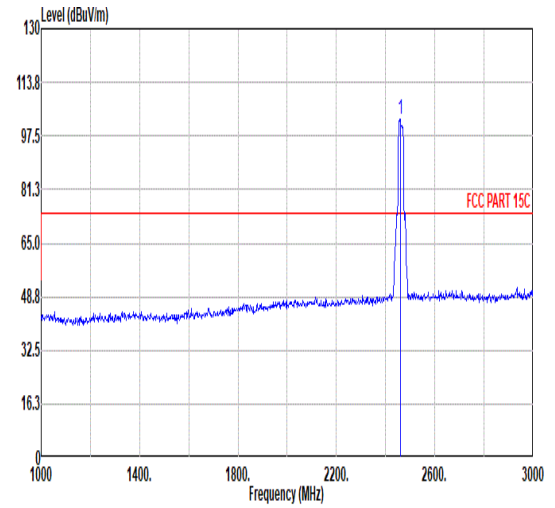
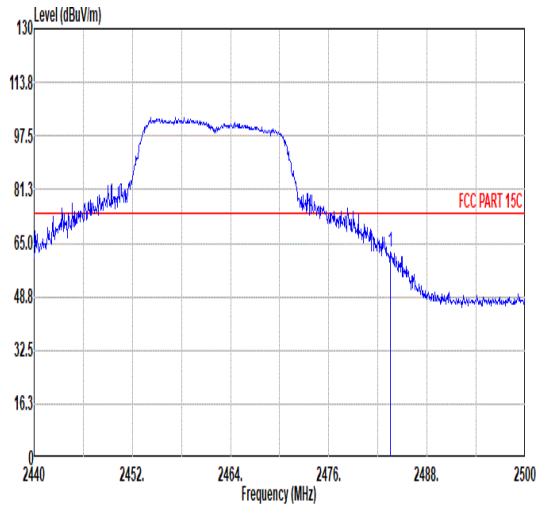
2400-2483.5\_802.11n\_HT20\_CH11\_2462MHz

Pol.

Horizontal

Fundamental

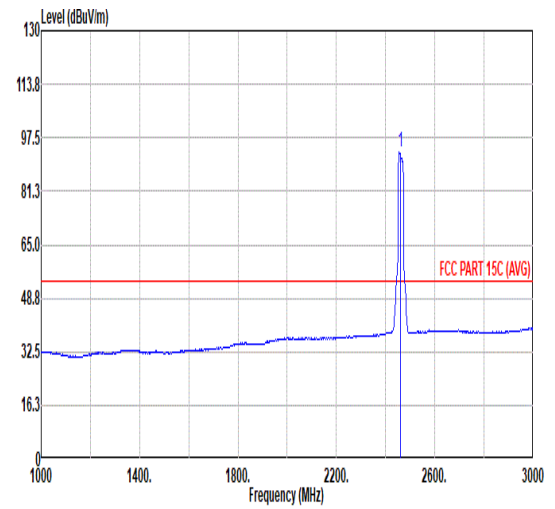
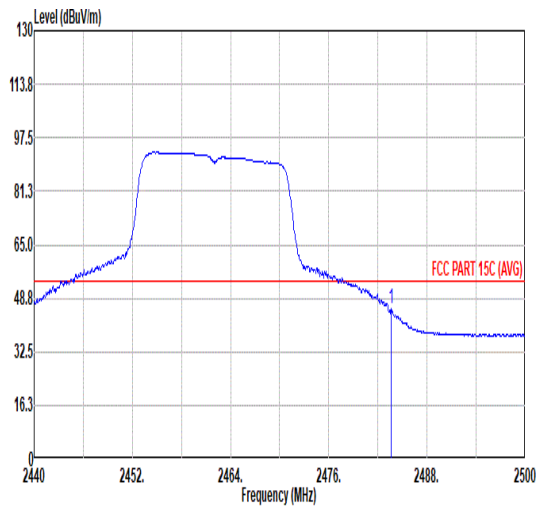
Peak



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2483.50	62.06	74.00	-11.94	53.26	32.52	7.26	36.98	6.00	300	172	PEAK

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2462.00	102.51	-----	-----	93.86	32.39	7.21	36.95	6.00	300	172	PEAK

Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2483.62	45.58	54.00	-8.42	36.78	32.52	7.26	36.98	6.00	300	172	AVERAGE

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
									Freq	Level	Line Margin	Level Factor
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2462.00	93.09	-----	-----	84.46	32.37	7.21	36.95	6.00	300	172	AVERAGE



9

Mode

Band Edge

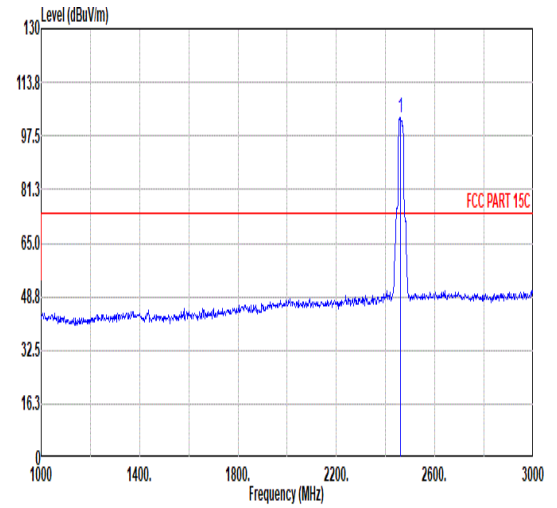
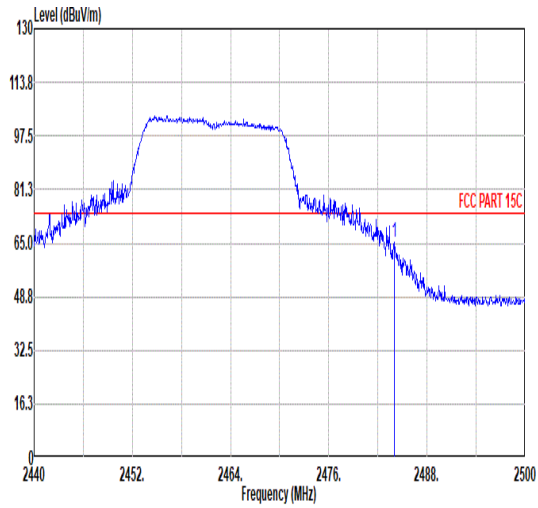
2400-2483.5\_802.11n\_HT20\_CH11\_2462MHz

Pol.

Vertical

Fundamental

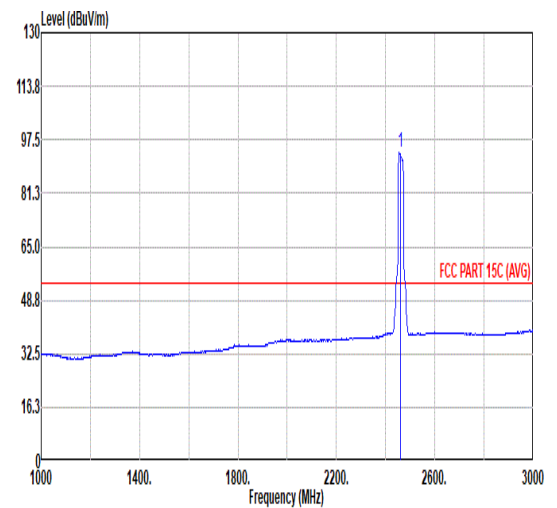
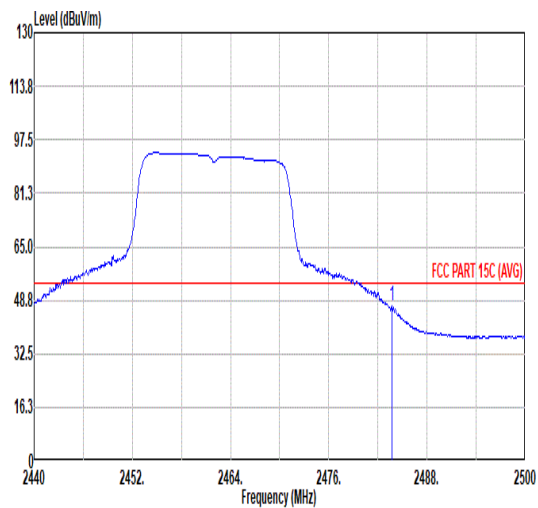
Peak



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			
									Freq	Level	Line Margin
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		
1	2462.00	103.03	-8.70	56.50	32.52	7.26	36.98	6.00	218	263	PEAK

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			
									Freq	Level	Line Margin
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		
1	2462.00	103.03	-----	56.50	32.52	7.26	36.98	6.00	218	263	PEAK

Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			
									Freq	Level	Line Margin
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		
1	2462.00	103.03	-8.70	56.50	32.52	7.26	36.98	6.00	218	263	AVERAGE

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			
									Freq	Level	Line Margin
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		
1	2462.00	103.03	-----	56.50	32.52	7.26	36.98	6.00	218	263	AVERAGE



Mode	9																																																																																																												
	Harmonic																																																																																																												
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11

Mode

Band Edge

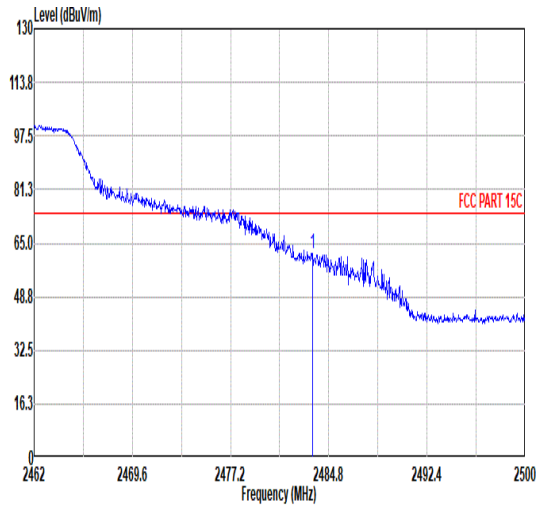
2400-2483.5\_802.11g\_CH10\_2457MHz

Pol.

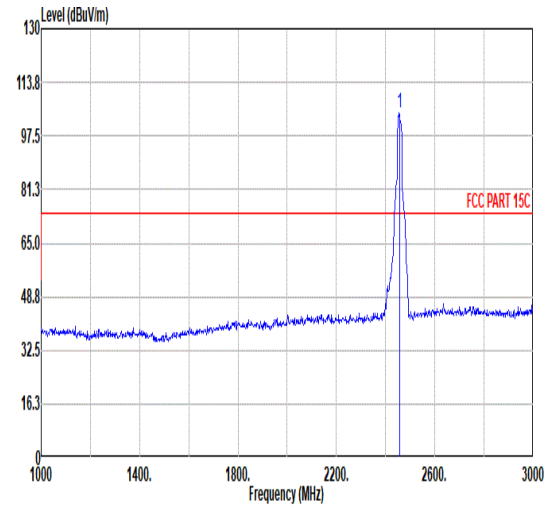
Horizontal

Fundamental

Peak

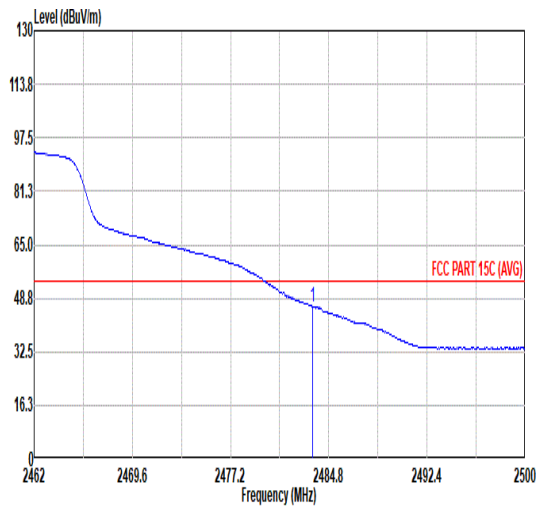


Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos					
Freq	Level	Line	Margin	Level	Factor	Loss	Factor					
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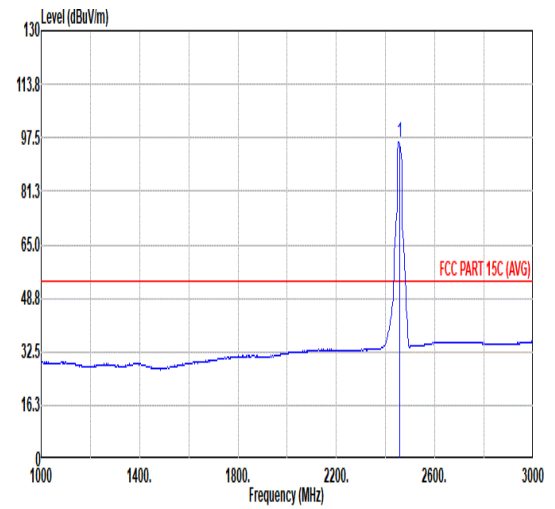


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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB					
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Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos					
Freq	Level	Line	Margin	Level	Factor	Loss	Factor					
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB					
1	2483.55	46.34	54.00	-7.66	42.82	31.97	7.28	35.73	0.00	100	228	AVERAGE



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos					
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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB					
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11

Mode

Band Edge

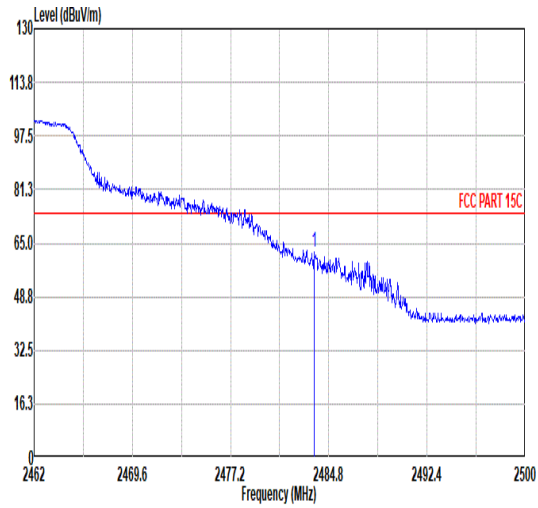
2400-2483.5\_802.11g\_CH10\_2457MHz

Pol.

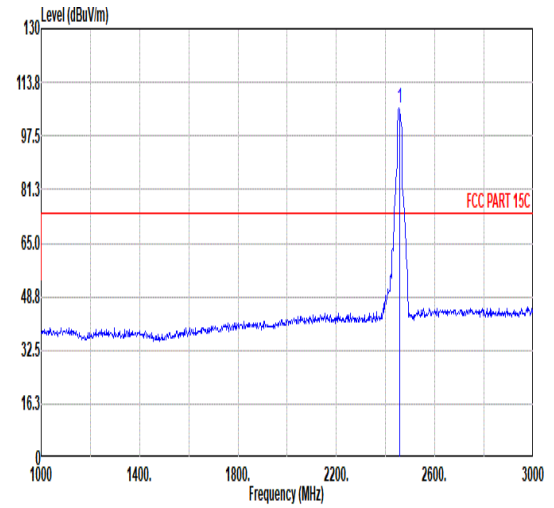
Vertical

Fundamental

Peak

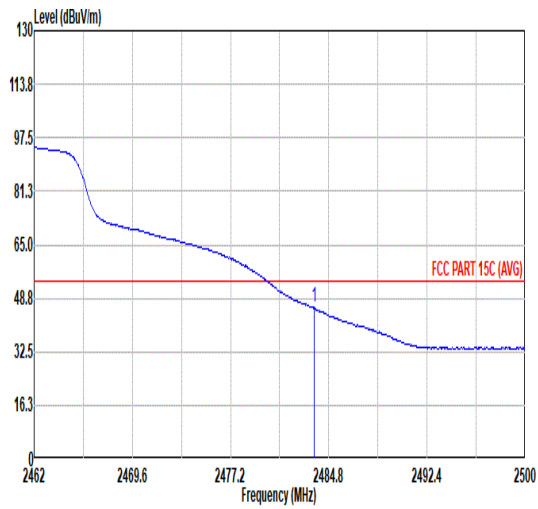


Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			
									Freq	Level	Line Margin
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	2483.66	62.17	74.00	-11.83	58.65	31.97	7.28	35.73	0.00	300	268 PEAK

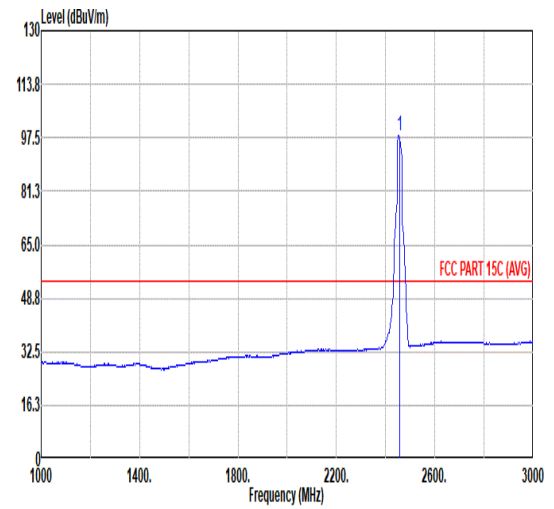


Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			
									Freq	Level	Line Margin
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	2457.00	105.77	-----	-----	102.40	31.91	7.23	35.77	0.00	300	268 PEAK

Avg



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			
									Freq	Level	Line Margin
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	2483.66	46.24	54.00	-7.76	42.72	31.97	7.28	35.73	0.00	300	268 AVERAGE



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark			
									Freq	Level	Line Margin
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	2457.00	98.07	-----	-----	94.70	31.91	7.23	35.77	0.00	300	268 AVERAGE



		12																																																																																									
Mode	Band Edge																																																																																										
	2400-2483.5_802.11n_HT20_CH02_2417MHz																																																																																										
Pol.	Horizontal		Fundamental																																																																																								
Peak																																																																																											
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	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																			
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12

Mode

Band Edge

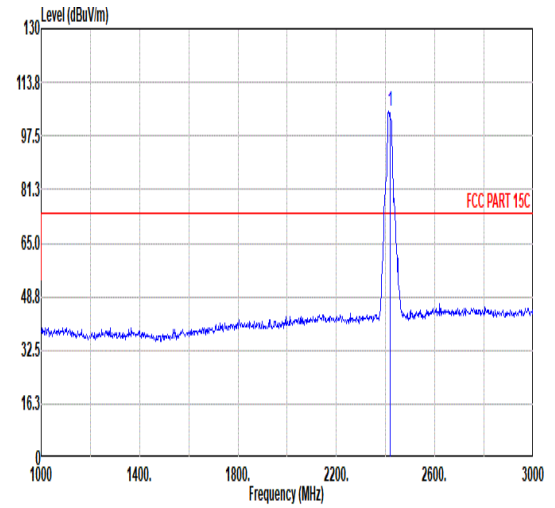
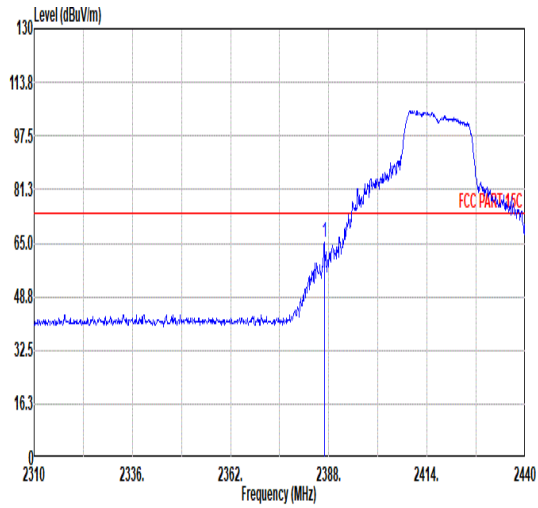
2400-2483.5\_802.11n\_HT20\_CH02\_2417MHz

Pol.

Vertical

Fundamental

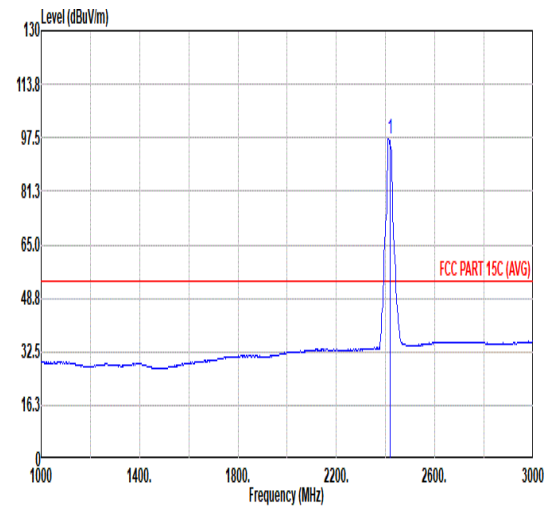
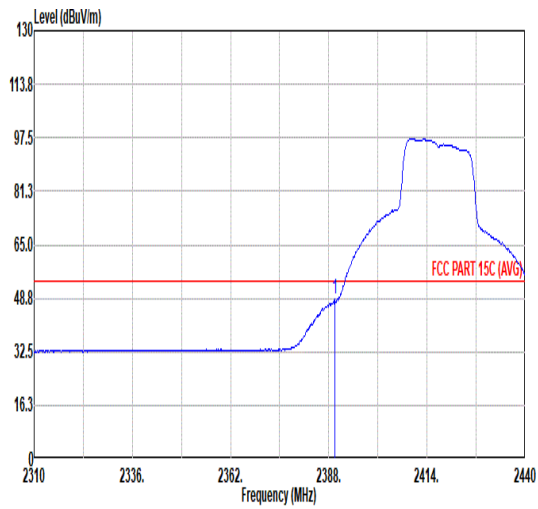
Peak



Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
								Freq	Level			
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2386.83	65.10	74.00	-8.90	62.08	31.76	7.11	35.85	0.00	251	287	PEAK

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
								Freq	Level			
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2417.00	105.06	-----	-----	101.91	31.82	7.15	35.82	0.00	251	287	PEAK

Avg



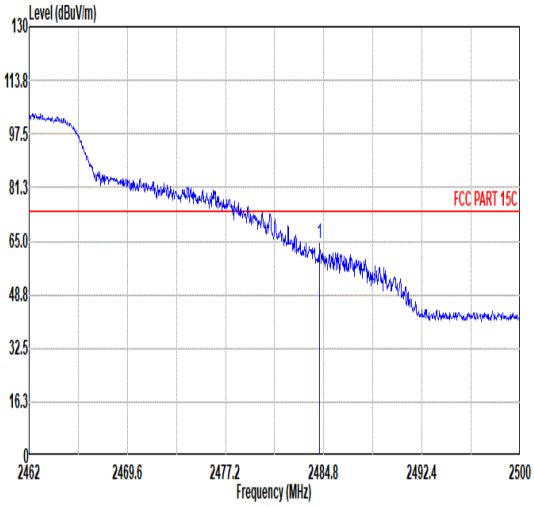
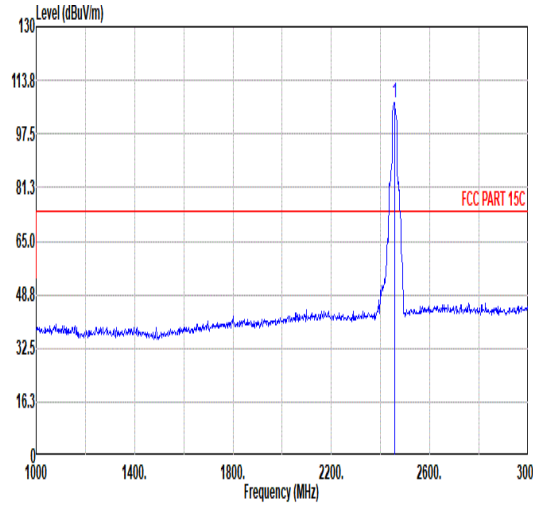
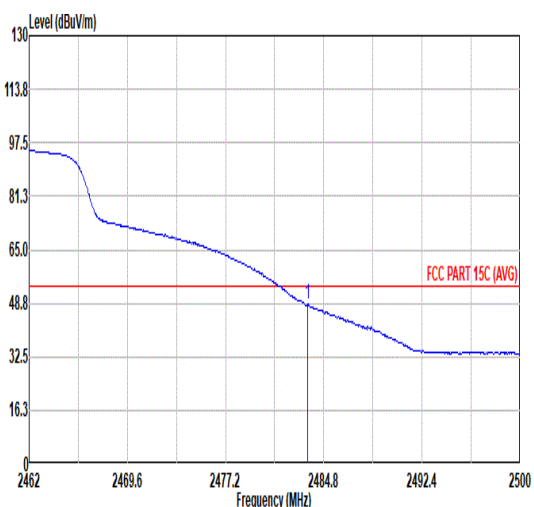
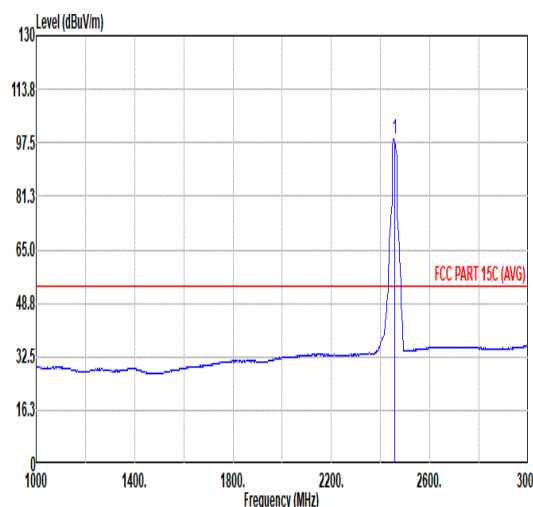
Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
								Freq	Level			
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2389.56	48.37	54.00	-5.63	45.32	31.77	7.12	35.84	0.00	251	287	AVERAGE

Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark				
								Freq	Level			
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			
1	2417.00	97.12	-----	-----	93.97	31.82	7.15	35.82	0.00	251	287	AVERAGE



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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																											
1	2389.96	39.10	54.00	-14.90	30.05	31.77	7.12	35.84	6.00	337	65	AVERAGE																																																																								
Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																												
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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																											
1	2412.00	97.24	-----	-----	88.07	31.83	7.15	35.81	6.00	337	65	AVERAGE																																																																								





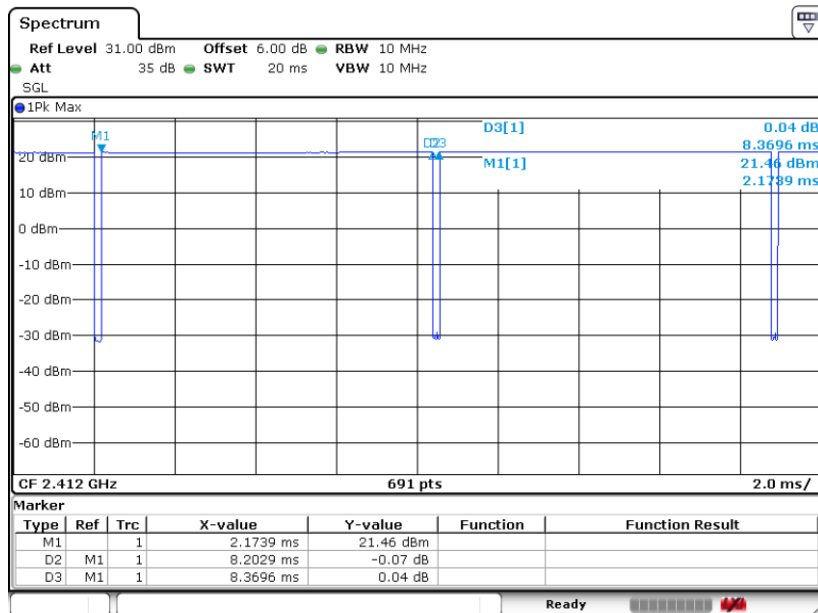
Mode	10																																																																																														
	Harmonic																																																																																														
	2400-2483.5_802.11b_CH01_2412MHz																																																																																														
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Peak Avg	<table border="1"> <thead> <tr> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Margin</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> </tr> <tr> <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>dB</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4824.00</td> <td>51.65</td> <td>74.00</td> <td>-22.35</td> <td>70.51</td> <td>34.30</td> <td>10.32</td> <td>63.48</td> <td>0.00</td> <td>100</td> <td>207</td> <td>Peak</td> </tr> <tr> <td>2</td> <td>4824.00</td> <td>49.36</td> <td>54.00</td> <td>-4.64</td> <td>68.22</td> <td>34.30</td> <td>10.32</td> <td>63.48</td> <td>0.00</td> <td>100</td> <td>207</td> <td>Average</td> </tr> </tbody> </table>	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	1	4824.00	51.65	74.00	-22.35	70.51	34.30	10.32	63.48	0.00	100	207	Peak	2	4824.00	49.36	54.00	-4.64	68.22	34.30	10.32	63.48	0.00	100	207	Average	<table border="1"> <thead> <tr> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable</th> <th>Preamp</th> <th>Aux</th> <th>APos</th> <th>TPos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Margin</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th>Factor</th> </tr> <tr> <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>dB</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4824.00</td> <td>48.56</td> <td>74.00</td> <td>-25.44</td> <td>67.42</td> <td>34.30</td> <td>10.32</td> <td>63.48</td> <td>0.00</td> <td>300</td> <td>104</td> <td>Peak</td> </tr> </tbody> </table>	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	1	4824.00	48.56	74.00	-25.44	67.42	34.30	10.32	63.48	0.00	300	104	Peak
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### Appendix D. Duty Cycle Plots

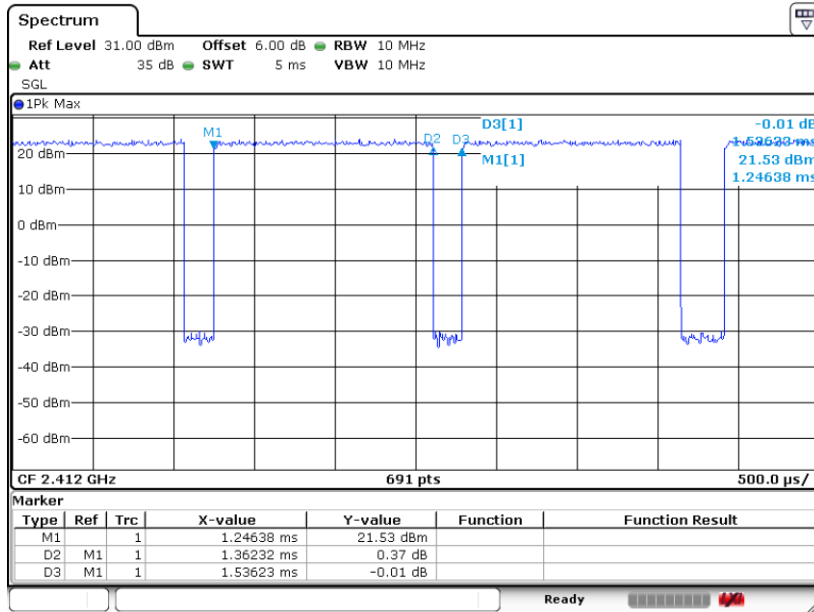
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	98.01	-	-	10Hz
802.11g	88.68	1.362	0.734	0.75KHz
802.11n HT20	82.81	1.152	0.868	0.91KHz

802.11b





802.11g



802.11n HT20

