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5	680.87	26.95	46.00	-19.05	28.65	26.50	2.72	30.92	---	---	Peak																																																																																																																																																															
6	940.83	30.99	46.00	-15.01	28.27	30.36	3.22	30.86	---	---	Peak																																																																																																																																																															
Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	APos (cm)	TPos (deg)	Remark																																																																																																																																																															
1	50.37	25.81	40.00	-14.19	42.32	14.50	0.71	31.72	---	---	Peak																																																																																																																																																															
2	135.73	26.00	43.50	-17.50	38.62	17.70	1.19	31.51	---	---	Peak																																																																																																																																																															
3	192.96	25.60	43.50	-17.90	40.70	14.80	1.41	31.31	---	---	Peak																																																																																																																																																															
4	602.30	26.45	46.00	-19.55	29.03	25.86	2.56	31.00	---	---	Peak																																																																																																																																																															
5	859.35	29.78	46.00	-16.22	28.43	29.30	3.07	31.02	---	---	Peak																																																																																																																																																															
6	936.95	30.05	46.00	-15.95	27.60	30.12	3.21	30.88	---	---	Peak																																																																																																																																																															



# Appendix D. Radiated Spurious Emission for Co-location mode

## Mode 44

### BT Link+LTE B13 Link+11ac VHT80\_Ch106 (Band Edge @ 3m)

### 11ac VHT80\_Ch106 (Band Edge @ 3m)

WIFI Ant. 3	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
WIFI 802. BT Link+LTE B13 Link+11ac VHT80_Ch106 Co-location		5459.92	57.29	-16.71	74	45.12	36.02	9.68	33.53	301	13	P	H
		5469.76	58.69	-9.61	68.3	46.53	36.01	9.7	33.55	301	13	P	H
		5458.48	43.47	-10.53	54	31.3	36.02	9.68	33.53	301	13	A	H
	*	5530	92.11	-	-	79.93	36.04	9.72	33.58	301	13	P	H
	*	5530	84.31	-	-	72.13	36.04	9.72	33.58	301	13	A	H
		5735.705	51.7	-16.6	68.3	38.82	36.33	10.01	33.46	301	13	P	H
		5459.92	62.05	-11.95	74	49.88	36.02	9.68	33.53	373	360	P	V
		5466.64	63.23	-5.07	68.3	51.06	36.01	9.7	33.54	373	360	P	V
		5458.72	46.21	-7.79	54	34.04	36.02	9.68	33.53	373	360	A	V
	*	5530	95.78	-	-	83.6	36.04	9.72	33.58	373	360	P	V
	*	5530	88.7	-	-	76.52	36.04	9.72	33.58	373	360	A	V
		5736.965	51.54	-16.76	68.3	38.66	36.33	10.01	33.46	373	360	P	V
Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol>												





BT Link+LTE B13 Link+11ac VHT80\_Ch106 (Harmonic @ 3m)

WIFI Ant. 3	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
WIFI 802. BT Link+ LTE B13 Link+11ac VHT80_Ch 106 Co-location		11060	49.45	-24.55	74	60.7	39.6	12.57	63.42			P	H
		16590	50.38	-17.92	68.3	56.73	43.16	15.24	64.75			P	H
		11060	50.3	-23.7	74	61.55	39.6	12.57	63.42			P	V
		16590	50.65	-17.65	68.3	57	43.16	15.24	64.75			P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

*	<b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is <b>over limit</b> line.
P/A	<b>Peak</b> or <b>Average</b>
H/V	<b>Horizontal</b> or <b>Vertical</b>



**Test Plots:**

**Note symbol**

-L	Low channel location
-R	High channel location



BT Link+LTE B13 Link+11ac VHT80\_Ch106 (Band Edge @ 3m)

WIFI	UNII 2C 5.47-5.725MHz Band Edge @ 3m																																																																																	
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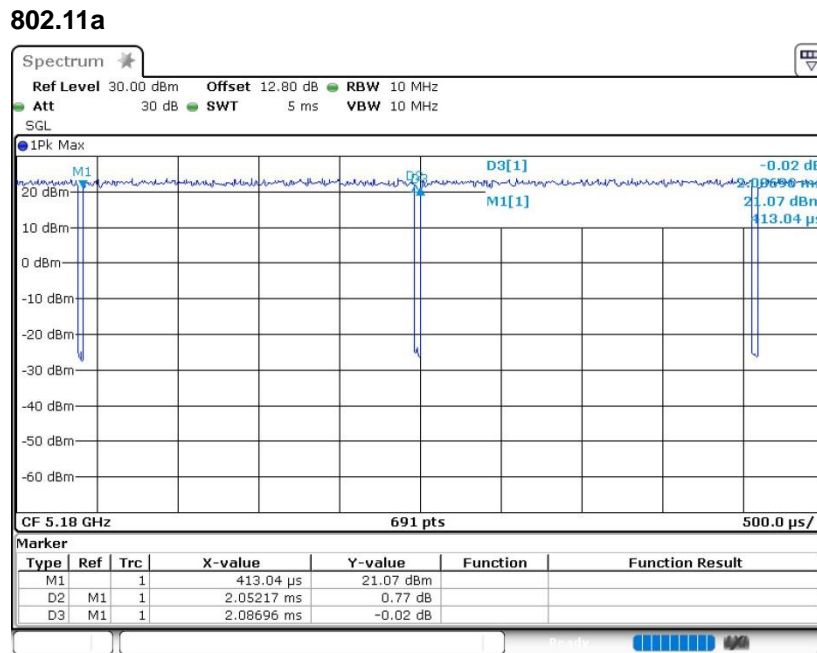
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<p><b>Peak/</b></p> <p><b>Avg.</b></p>	<p>Data: 9 Date: 2023-10-13</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>Level Factor</th> <th>Loss Factor</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>11069.00</td> <td>49.45</td> <td>-24.55</td> <td>74.00</td> <td>60.70</td> <td>39.60</td> <td>12.57</td> <td>63.42</td> <td>---</td> <td>--- Peak</td> </tr> <tr> <td>2 *</td> <td>16590.00</td> <td>50.38</td> <td>-17.92</td> <td>68.30</td> <td>56.73</td> <td>43.16</td> <td>15.24</td> <td>64.75</td> <td>---</td> <td>--- Peak</td> </tr> </tbody> </table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	Level Factor	Loss Factor	dB	dB	cm	deg	1	11069.00	49.45	-24.55	74.00	60.70	39.60	12.57	63.42	---	--- Peak	2 *	16590.00	50.38	-17.92	68.30	56.73	43.16	15.24	64.75	---	--- Peak	<p>Data: 10 Date: 2023-10-13</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>Level Factor</th> <th>Loss Factor</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>11069.00</td> <td>50.30</td> <td>-23.70</td> <td>74.00</td> <td>61.55</td> <td>39.60</td> <td>12.57</td> <td>63.42</td> <td>---</td> <td>--- Peak</td> </tr> <tr> <td>2 *</td> <td>16590.00</td> <td>50.65</td> <td>-17.65</td> <td>68.30</td> <td>57.00</td> <td>43.16</td> <td>15.24</td> <td>64.75</td> <td>---</td> <td>--- Peak</td> </tr> </tbody> </table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	Level Factor	Loss Factor	dB	dB	cm	deg	1	11069.00	50.30	-23.70	74.00	61.55	39.60	12.57	63.42	---	--- Peak	2 *	16590.00	50.65	-17.65	68.30	57.00	43.16	15.24	64.75	---	--- Peak
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### Appendix E. Duty Cycle Plots

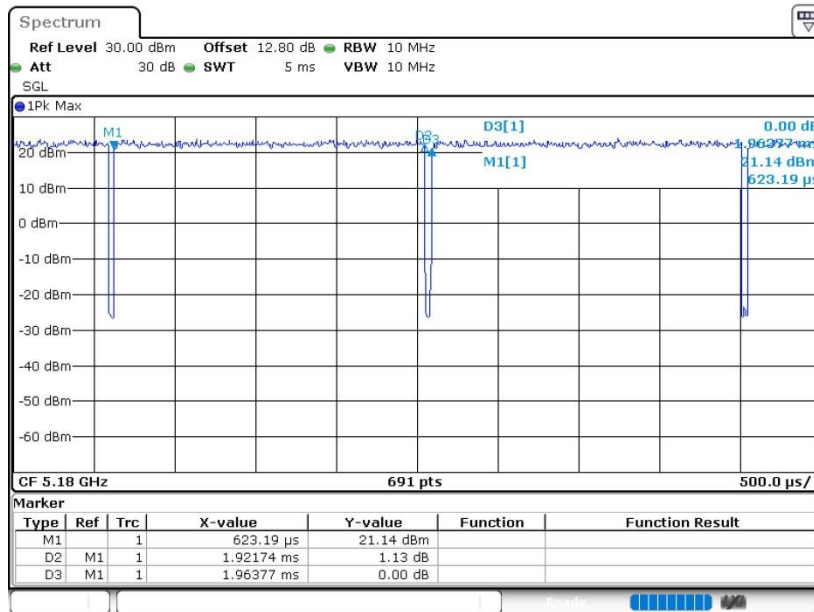
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	98.33	-	-	10Hz
802.11ac VHT20	97.86	1.922	0.520	1KHz
802.11ac VHT40	96.46	0.948	1.055	3KHz
802.11ac VHT80	92.44	0.461	2.170	3KHz



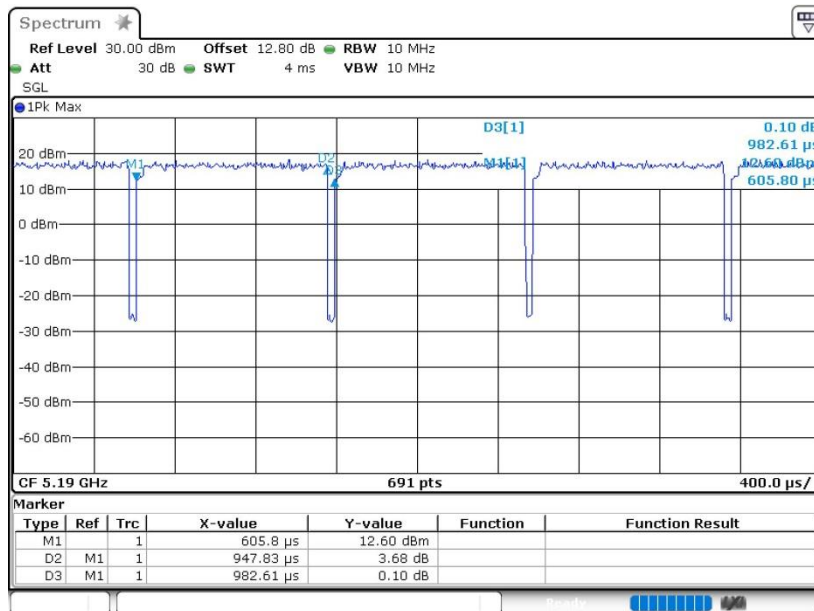




802.11ac VHT20



802.11ac VHT40





802.11ac VHT80

