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Mode

Band Edge

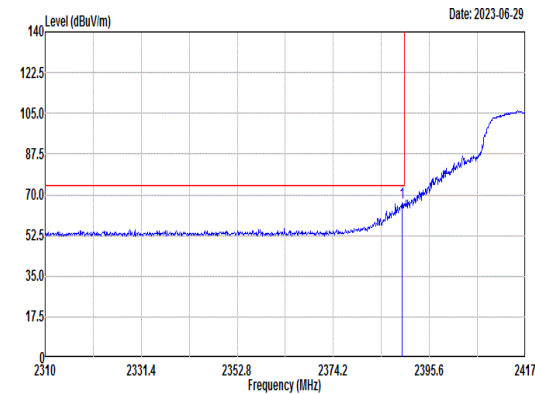
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Pol.

Vertical

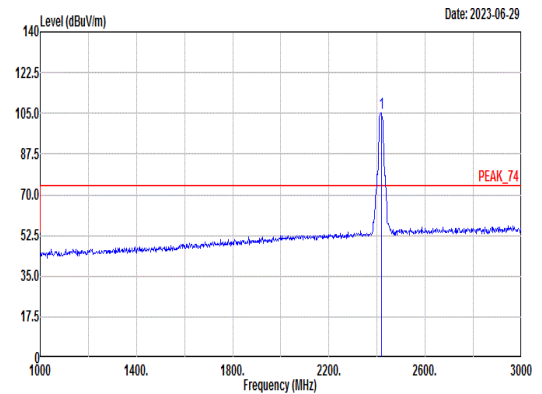
Fundamental

Peak



Site : 03CH01-SZ  
 Condition: PEAK\_BE\_74 3m HF\_ANT\_3117\_0107 VERTICAL  
 : RBW:1000.000kHz VBW:3000.000kHz  
 Mode : 24  
 Setting : 6M power setting 20  
 Plane : X with Accessories  
 : 358957940009706

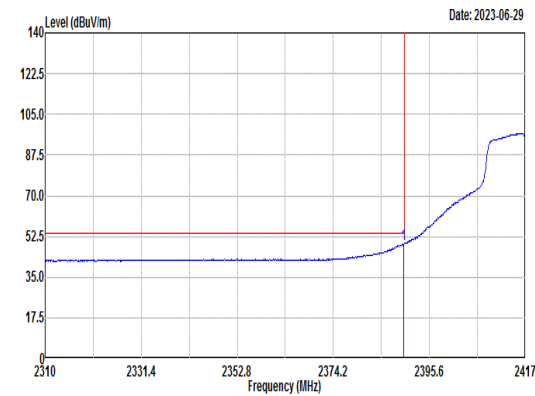
1	MHz	Level	Limit	Line Margin	Read	Ant	Cable Preamp	APos	TPos	Remark
1	2389.50	66.45	74.00	-7.55	59.43	32.36	6.41	31.75	289	110 PEAK



Site : 03CH01-SZ  
 Condition: PEAK\_74 3m HF\_ANT\_3117\_0107 VERTICAL  
 : RBW:1000.000kHz VBW:3000.000kHz  
 Mode : 24  
 Setting : 6M power setting 20  
 Plane : X with Accessories  
 : 358957940009706

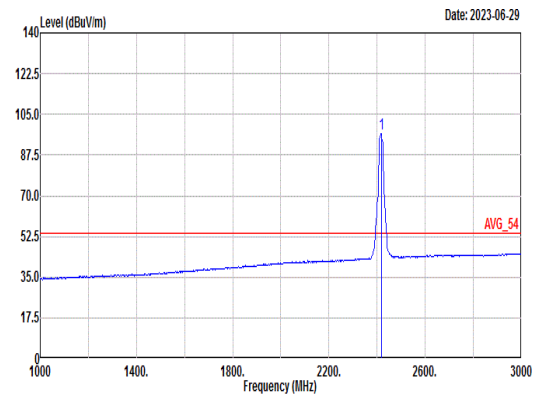
1	MHz	Level	Limit	Line Margin	Read	Ant	Cable Preamp	APos	TPos	Remark
1	2417.00	105.34	-----	-----	98.21	32.37	6.45	31.69	289	110 PEAK

Avg



Site : 03CH01-SZ  
 Condition: AVG\_BE\_54 3m HF\_ANT\_3117\_0107 VERTICAL  
 : RBW:1000.000kHz VBW:1.000kHz  
 Mode : 24  
 Setting : 6M power setting 20  
 Plane : X with Accessories  
 : 358957940009706

1	MHz	Level	Limit	Line Margin	Read	Ant	Cable Preamp	APos	TPos	Remark
1	2389.93	49.33	54.00	-4.67	42.31	32.36	6.41	31.75	289	110 AVERAGE



Site : 03CH01-SZ  
 Condition: AVG\_54 3m HF\_ANT\_3117\_0107 VERTICAL  
 : RBW:1000.000kHz VBW:1.000kHz  
 Mode : 24  
 Setting : 6M power setting 20  
 Plane : X with Accessories  
 : 358957940009706

1	MHz	Level	Limit	Line Margin	Read	Ant	Cable Preamp	APos	TPos	Remark
1	2417.00	96.87	-----	-----	89.74	32.37	6.45	31.69	289	110 AVERAGE



23

Mode

Band Edge

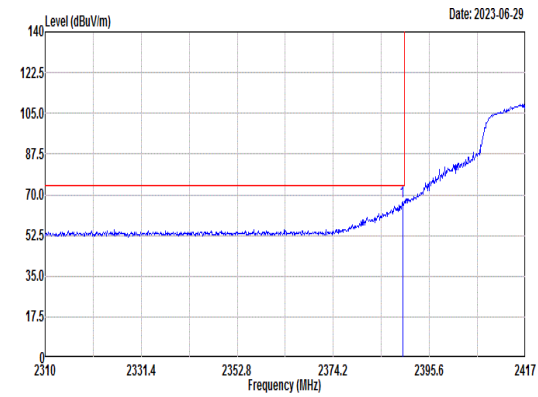
2400-2483.5\_802.11n\_HT20\_CH02\_2417MHz

Pol.

Horizontal

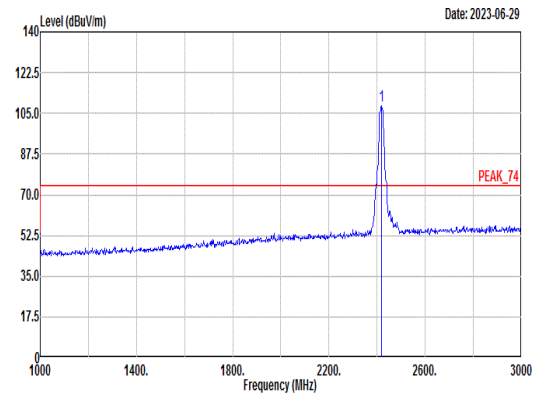
Fundamental

Peak



Site : 03CH01-SZ  
 Condition: PEAK\_BE\_74 3m HF\_ANT\_3117\_0107 HORIZONTAL  
 : RBW:1000.000kHz VBW:3000.000kHz  
 Mode : 25  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

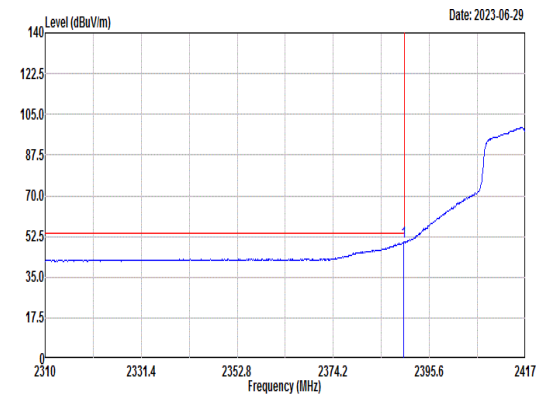
Limit	Read	Ant	Cable Preamp	APos	TPos	Remark					
Freq	Level	Line Margin	Level Factor	Loss Factor							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB					
1	2389.61	66.88	74.00	-7.12	59.86	32.36	6.41	31.75	300	340	PEAK



Site : 03CH01-SZ  
 Condition: PEAK\_74 3m HF\_ANT\_3117\_0107 HORIZONTAL  
 : RBW:1000.000kHz VBW:3000.000kHz  
 Mode : 25  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

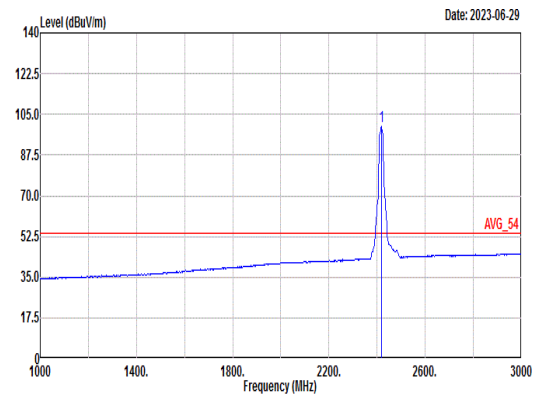
Limit	Read	Ant	Cable Preamp	APos	TPos	Remark					
Freq	Level	Line Margin	Level Factor	Loss Factor							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB					
1	2417.00	108.43	-----	-----	101.29	32.37	6.46	31.69	300	340	PEAK

Avg



Site : 03CH01-SZ  
 Condition: AVG\_BE\_54 3m HF\_ANT\_3117\_0107 HORIZONTAL  
 : RBW:1000.000kHz VBW:1.000kHz  
 Mode : 25  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

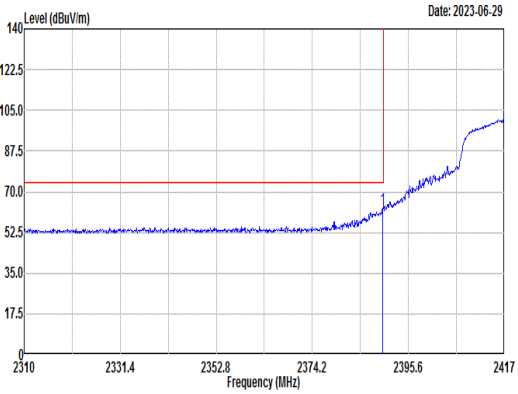
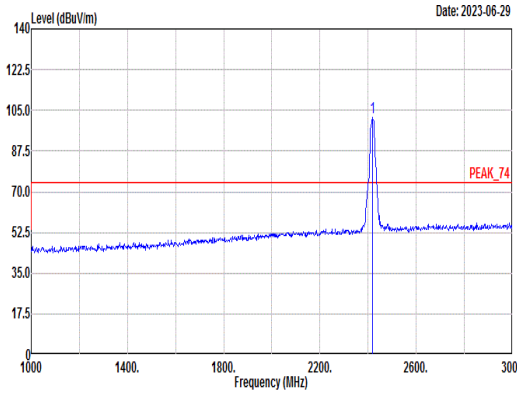
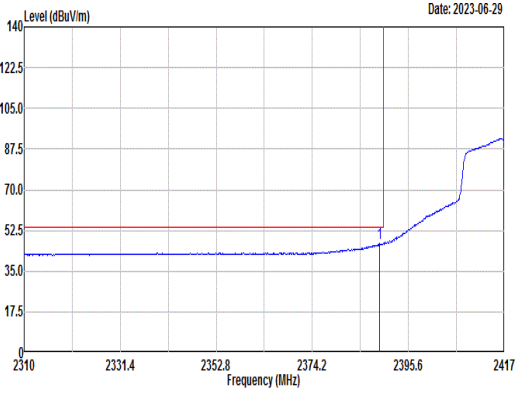
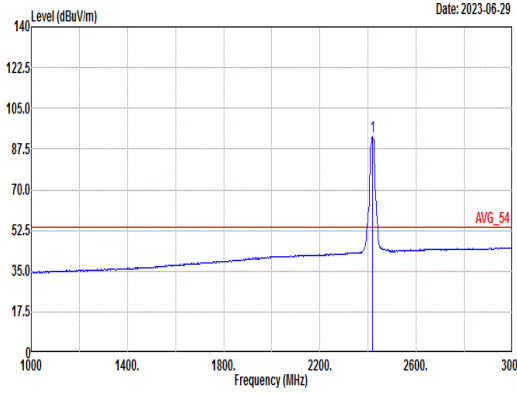
Limit	Read	Ant	Cable Preamp	APos	TPos	Remark					
Freq	Level	Line Margin	Level Factor	Loss Factor							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB					
1	2389.93	49.98	54.00	-4.02	42.96	32.36	6.41	31.75	300	340	AVERAGE



Site : 03CH01-SZ  
 Condition: AVG\_54 3m HF\_ANT\_3117\_0107 HORIZONTAL  
 : RBW:1000.000kHz VBW:1.000kHz  
 Mode : 25  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

Limit	Read	Ant	Cable Preamp	APos	TPos	Remark					
Freq	Level	Line Margin	Level Factor	Loss Factor							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB					
1	2417.00	99.89	-----	-----	92.75	32.37	6.46	31.69	300	340	AVERAGE



		23																																																																		
Mode		Band Edge																																																																		
		2400-2483.5_802.11n_HT20_CH02_2417MHz																																																																		
Pol.	Vertical	Fundamental																																																																		
Peak	 <p>Date: 2023-06-29</p> <p>Site : 03CH01-SZ Condition: PEAK_BE_74 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Mode : 25 Setting : MCS0 power setting 19 Plane : X with Accessories : 358957940009706</p> <table border="1"> <thead> <tr> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable Preamp</th> <th>APos</th> <th>TPos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line Margin</th> <th>Level Factor</th> <th>Loss Factor</th> <th></th> <th></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> </tr> </thead> <tbody> <tr> <td>1</td> <td>2389.82</td> <td>62.90</td> <td>74.00</td> <td>-11.10</td> <td>55.88</td> <td>32.36</td> <td>6.41</td> <td>31.75</td> <td>200</td> <td>274</td> <td>PEAK</td> </tr> </tbody> </table>	Limit	Read	Ant	Cable Preamp	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	1	2389.82	62.90	74.00	-11.10	55.88	32.36	6.41	31.75	200	274	PEAK	 <p>Date: 2023-06-29</p> <p>Site : 03CH01-SZ Condition: PEAK_74 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Mode : 25 Setting : MCS0 power setting 19 Plane : X with Accessories : 358957940009706</p> <table border="1"> <thead> <tr> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable Preamp</th> <th>APos</th> <th>TPos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line Margin</th> <th>Level Factor</th> <th>Loss Factor</th> <th></th> <th></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> </tr> </thead> <tbody> <tr> <td>1</td> <td>2417.00</td> <td>101.71</td> <td>-----</td> <td>-----</td> <td>94.56</td> <td>32.37</td> <td>6.46</td> <td>31.68</td> <td>200</td> <td>274</td> <td>PEAK</td> </tr> </tbody> </table>	Limit	Read	Ant	Cable Preamp	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	1	2417.00	101.71	-----	-----	94.56	32.37	6.46	31.68	200	274	PEAK
	Limit	Read	Ant	Cable Preamp	APos	TPos	Remark																																																													
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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB																																																														
1	2389.82	62.90	74.00	-11.10	55.88	32.36	6.41	31.75	200	274	PEAK																																																									
Limit	Read	Ant	Cable Preamp	APos	TPos	Remark																																																														
Freq	Level	Line Margin	Level Factor	Loss Factor																																																																
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1	2417.00	101.71	-----	-----	94.56	32.37	6.46	31.68	200	274	PEAK																																																									
Avg	 <p>Date: 2023-06-29</p> <p>Site : 03CH01-SZ Condition: AVG_BE_54 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Mode : 25 Setting : MCS0 power setting 19 Plane : X with Accessories : 358957940009706</p> <table border="1"> <thead> <tr> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable Preamp</th> <th>APos</th> <th>TPos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line Margin</th> <th>Level Factor</th> <th>Loss Factor</th> <th></th> <th></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> </tr> </thead> <tbody> <tr> <td>1</td> <td>2389.18</td> <td>46.76</td> <td>54.00</td> <td>-7.24</td> <td>39.74</td> <td>32.36</td> <td>6.41</td> <td>31.75</td> <td>200</td> <td>274</td> <td>AVERAGE</td> </tr> </tbody> </table>	Limit	Read	Ant	Cable Preamp	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	1	2389.18	46.76	54.00	-7.24	39.74	32.36	6.41	31.75	200	274	AVERAGE	 <p>Date: 2023-06-29</p> <p>Site : 03CH01-SZ Condition: AVG_54 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Mode : 25 Setting : MCS0 power setting 19 Plane : X with Accessories : 358957940009706</p> <table border="1"> <thead> <tr> <th>Limit</th> <th>Read</th> <th>Ant</th> <th>Cable Preamp</th> <th>APos</th> <th>TPos</th> <th>Remark</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line Margin</th> <th>Level Factor</th> <th>Loss Factor</th> <th></th> <th></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> </tr> </thead> <tbody> <tr> <td>1</td> <td>2417.00</td> <td>92.84</td> <td>-----</td> <td>-----</td> <td>85.70</td> <td>32.37</td> <td>6.46</td> <td>31.69</td> <td>200</td> <td>274</td> <td>AVERAGE</td> </tr> </tbody> </table>	Limit	Read	Ant	Cable Preamp	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	1	2417.00	92.84	-----	-----	85.70	32.37	6.46	31.69	200	274	AVERAGE
	Limit	Read	Ant	Cable Preamp	APos	TPos	Remark																																																													
Freq	Level	Line Margin	Level Factor	Loss Factor																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB																																																														
1	2389.18	46.76	54.00	-7.24	39.74	32.36	6.41	31.75	200	274	AVERAGE																																																									
Limit	Read	Ant	Cable Preamp	APos	TPos	Remark																																																														
Freq	Level	Line Margin	Level Factor	Loss Factor																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB																																																														
1	2417.00	92.84	-----	-----	85.70	32.37	6.46	31.69	200	274	AVERAGE																																																									



24

Mode

Band Edge

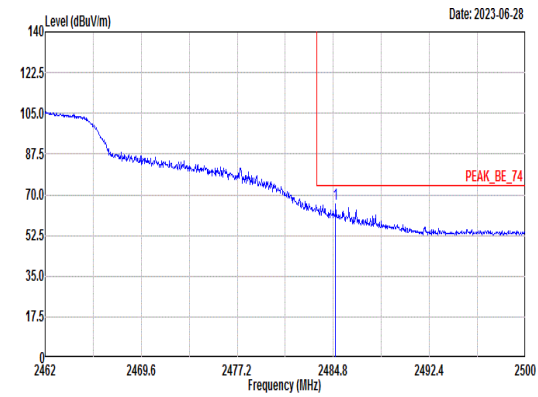
2400-2483.5\_802.11n\_HT20\_CH10\_2457MHz

Pol.

Horizontal

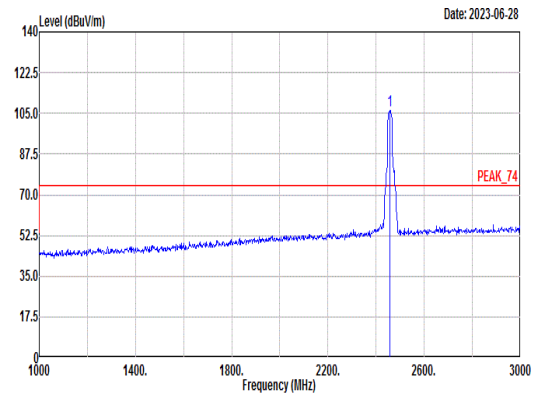
Fundamental

Peak



Site : 03CH01-SZ  
 Condition: PEAK\_BE\_74 3m HF\_ANT\_3117\_0107 HORIZONTAL  
 : RBW:1000.000kHz VBW:3000.000kHz  
 Mode : 26  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

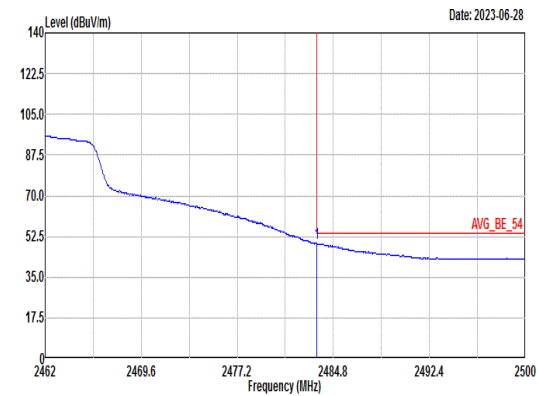
Limit	Read	Ant	Cable	APos	TPos	Remark					
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	cm	deg		
1	2484.99	65.81	74.00	-8.19	58.42	32.40	6.53	31.54	108	39	PEAK



Site : 03CH01-SZ  
 Condition: PEAK\_74 3m HF\_ANT\_3117\_0107 HORIZONTAL  
 : RBW:1000.000kHz VBW:3000.000kHz  
 Mode : 26  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

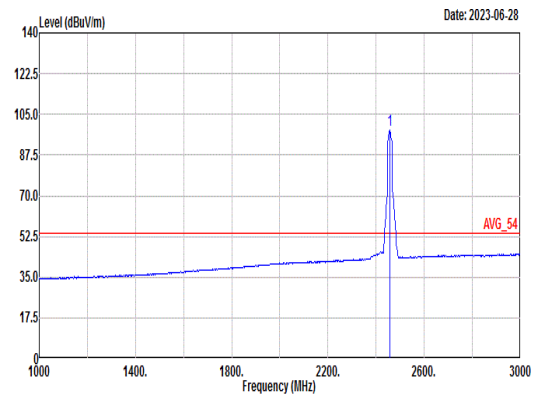
Limit	Read	Ant	Cable	APos	TPos	Remark					
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	cm	deg		
1	2457.00	106.37	-----	-----	99.09	32.38	6.50	31.60	108	39	PEAK

Avg



Site : 03CH01-SZ  
 Condition: AVG\_BE\_54 3m HF\_ANT\_3117\_0107 HORIZONTAL  
 : RBW:1000.000kHz VBW:1.000kHz  
 Mode : 26  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

Limit	Read	Ant	Cable	APos	TPos	Remark					
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	cm	deg		
1	2483.51	49.40	54.00	-4.60	42.02	32.39	6.53	31.54	108	39	AVERAGE



Site : 03CH01-SZ  
 Condition: AVG\_54 3m HF\_ANT\_3117\_0107 HORIZONTAL  
 : RBW:1000.000kHz VBW:1.000kHz  
 Mode : 26  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

Limit	Read	Ant	Cable	APos	TPos	Remark					
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	cm	deg		
1	2457.00	98.13	-----	-----	90.85	32.38	6.50	31.60	108	39	AVERAGE



24

Mode

Band Edge

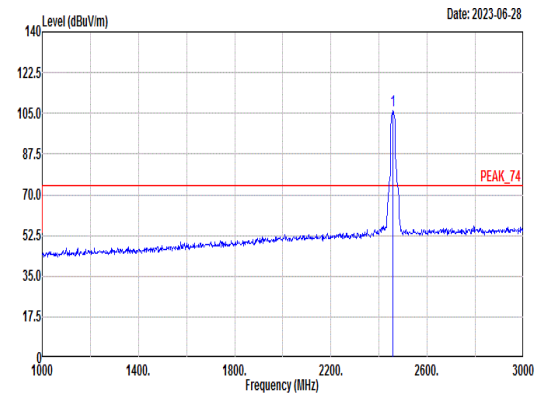
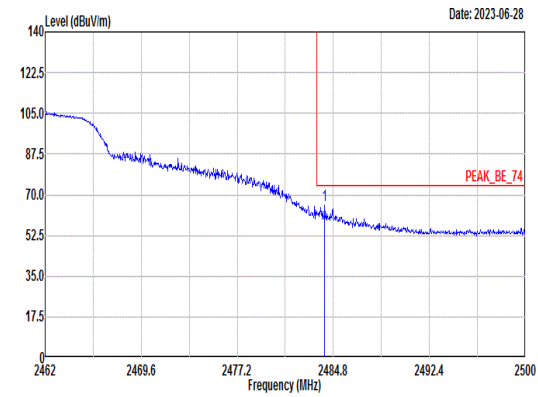
2400-2483.5\_802.11n\_HT20\_CH10\_2457MHz

Pol.

Vertical

Fundamental

Peak



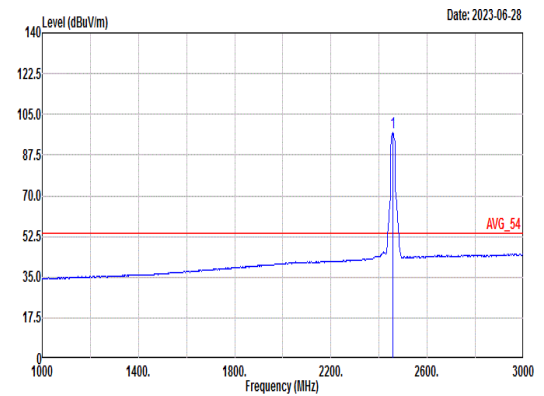
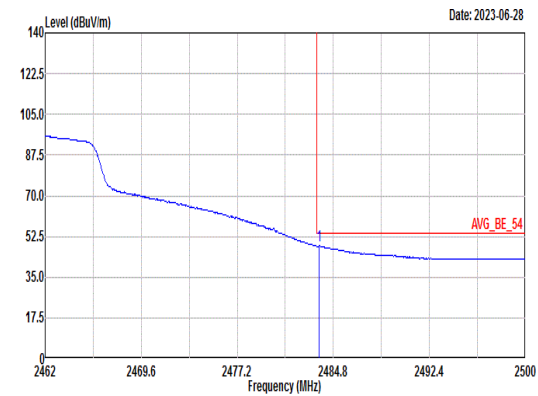
Site : 03CH01-SZ  
 Condition: PEAK\_BE\_74 3m HF\_ANT\_3117\_0107 VERTICAL  
 : RBW:1000.000kHz VBW:3000.000kHz  
 Mode : 26  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

Site : 03CH01-SZ  
 Condition: PEAK\_74 3m HF\_ANT\_3117\_0107 VERTICAL  
 : RBW:1000.000kHz VBW:3000.000kHz  
 Mode : 26  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

1	MHz	Level	Limit	Line Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark
1	2484.12	65.29	74.00	-8.71	57.90	32.40	6.53	31.54	269	282	PEAK

1	MHz	Level	Limit	Line Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark
1	2457.00	106.42	74.00	32.42	99.14	32.38	6.50	31.60	269	282	PEAK

Avg



Site : 03CH01-SZ  
 Condition: AVG\_BE\_54 3m HF\_ANT\_3117\_0107 VERTICAL  
 : RBW:1000.000kHz VBW:1.000kHz  
 Mode : 26  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

Site : 03CH01-SZ  
 Condition: AVG\_54 3m HF\_ANT\_3117\_0107 VERTICAL  
 : RBW:1000.000kHz VBW:1.000kHz  
 Mode : 26  
 Setting : MCS0 power setting 19  
 Plane : X with Accessories  
 : 358957940009706

1	MHz	Level	Limit	Line Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark
1	2483.70	48.40	54.00	-5.60	41.01	32.40	6.53	31.54	269	282	AVERAGE

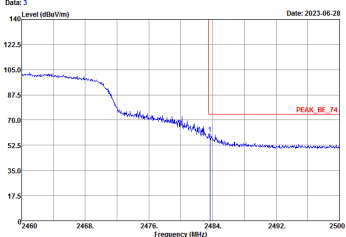
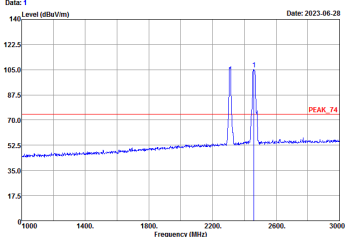
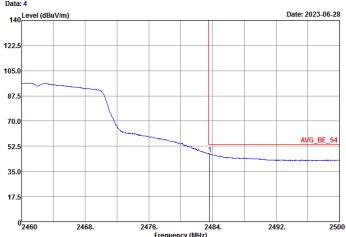
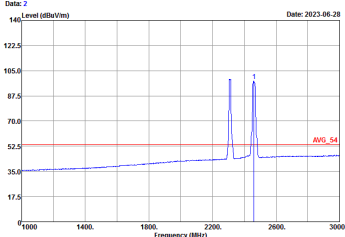
1	MHz	Level	Limit	Line Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark
1	2457.00	97.34	54.00	43.34	90.06	32.38	6.50	31.60	269	282	AVERAGE



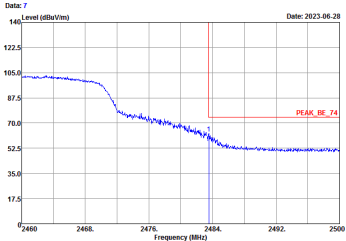
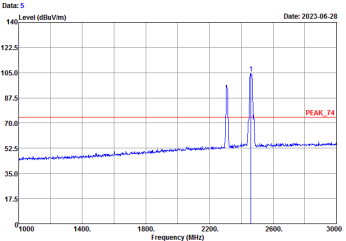
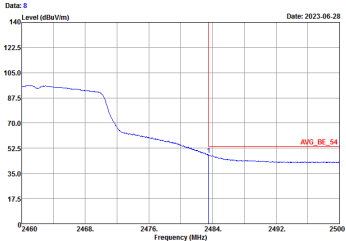
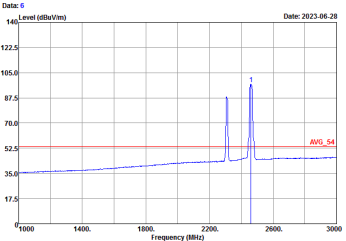


Co-location

802.11g CH11 TX + LTE Band30 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz+ Band30 Co-location	
	Horizontal	Fundamental
Peak	 <p>Date: 3 Date: 2023-06-28</p> <p>Site : 03CH01-SZ Condition : PEAK_BE_74 3m HF_ANT_3117_0107 HORIZONTAL Mode : RBW:1000.000kHz VBW:2000.000kHz IMEI : 358957940009706 Plane : X with Accessories GM Power Setting : 17</p>	 <p>Date: 1 Date: 2023-06-28</p> <p>Site : 03CH01-SZ Condition : PEAK_74 3m HF_ANT_3117_0107 HORIZONTAL Mode : RBW:1000.000kHz VBW:2000.000kHz IMEI : 358957940009706 Plane : X with Accessories GM Power Setting : 17</p>
Avg.	 <p>Date: 4 Date: 2023-06-28</p> <p>Site : 03CH01-SZ Condition : AVG_BE_54 3m HF_ANT_3117_0107 HORIZONTAL Mode : RBW:1000.000kHz VBW:1.000kHz IMEI : 358957940009706 Plane : X with Accessories GM Power Setting : 17</p>	 <p>Date: 2 Date: 2023-06-28</p> <p>Site : 03CH01-SZ Condition : AVG_54 3m HF_ANT_3117_0107 HORIZONTAL Mode : RBW:1000.000kHz VBW:1.000kHz IMEI : 358957940009706 Plane : X with Accessories GM Power Setting : 17</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz+ Band30 Co-location	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH01-SZ            Condition : PEAK_BE_74 3m HF_ANT_3117_0107 VERTICAL            Mode : 23            IMEI : 368957940009706            Plane : X with Accessories            : GM Power Setting 17</p>	 <p>Site : 03CH01-SZ            Condition : PEAK_F4 3m HF_ANT_3117_0107 VERTICAL            Mode : 23            IMEI : 368957940009706            Plane : X with Accessories            : GM Power Setting 17</p>
Avg.	 <p>Site : 03CH01-SZ            Condition : AVG_BE_54 3m HF_ANT_3117_0107 VERTICAL            Mode : 23            IMEI : 368957940009706            Plane : X with Accessories            : GM Power Setting 17</p>	 <p>Site : 03CH01-SZ            Condition : AVG_F4 3m HF_ANT_3117_0107 VERTICAL            Mode : 23            IMEI : 368957940009706            Plane : X with Accessories            : GM Power Setting 17</p>

**Note:** For co-location mode, the highest signals over limit are WLAN & WWAN fundamental signals.



802.11g CH11 2462MHz+ Band30 (Harmonic @ 3m)

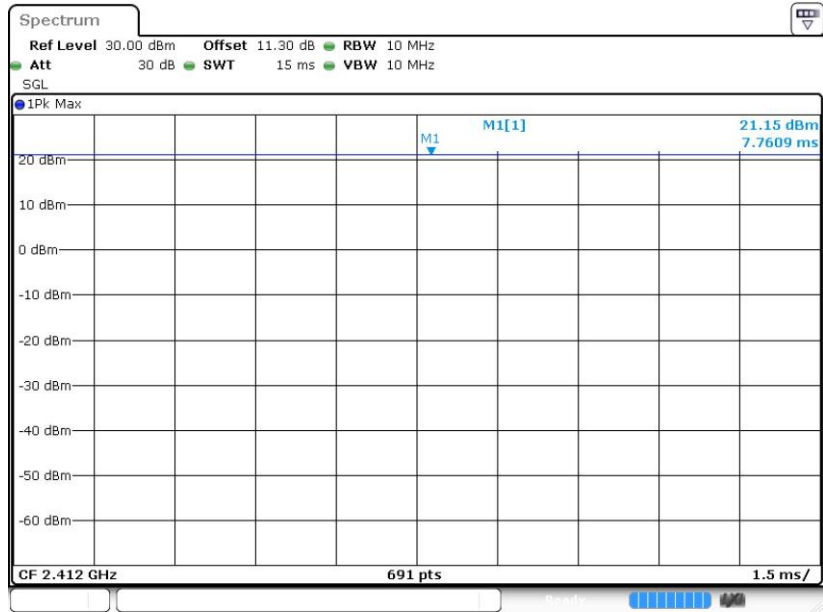
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	8802.11g CH11 2462MHz+ Band30 Co-location	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH01-SZ          Condition : PEAK_74 3m HF_ANT_3117_0107 HORIZONTAL          Mode : 23          IMEI : 358957940009706          Plane : X with Accessories          6M Power Setting 17</p>	<p>Site : 03CH01-SZ          Condition : PEAK_74 3m HF_ANT_3117_0107 VERTICAL          Mode : 23          IMEI : 358957940009706          Plane : X with Accessories          6M Power Setting 17</p>



## Appendix D. Duty Cycle Plots

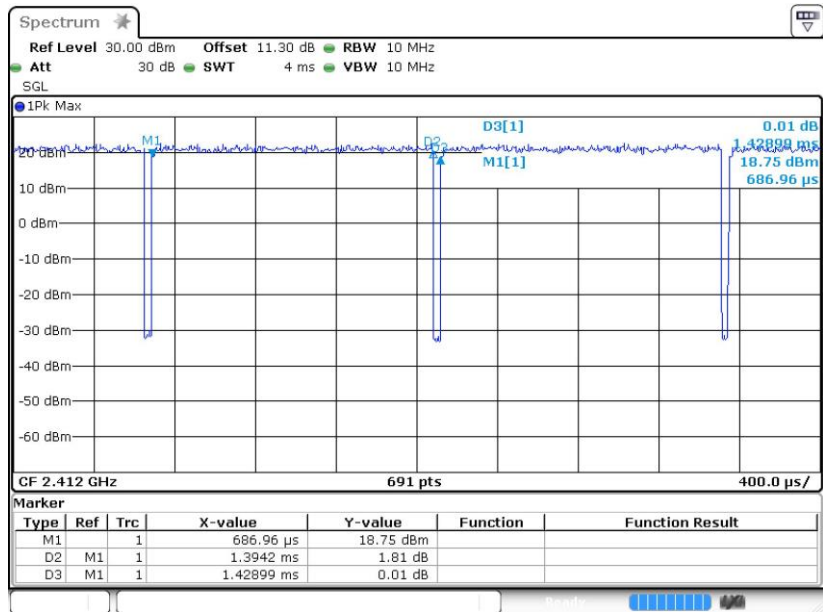
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	100	-	-	10Hz
802.11g	97.57	1.394	0.717	1KHz
802.11an HT20	97.39	1.299	0.770	1KHz
802.11an HT40	94.92	0.649	1.540	3KHz

802.11b



Date: 23.APR.2023 11:22:57

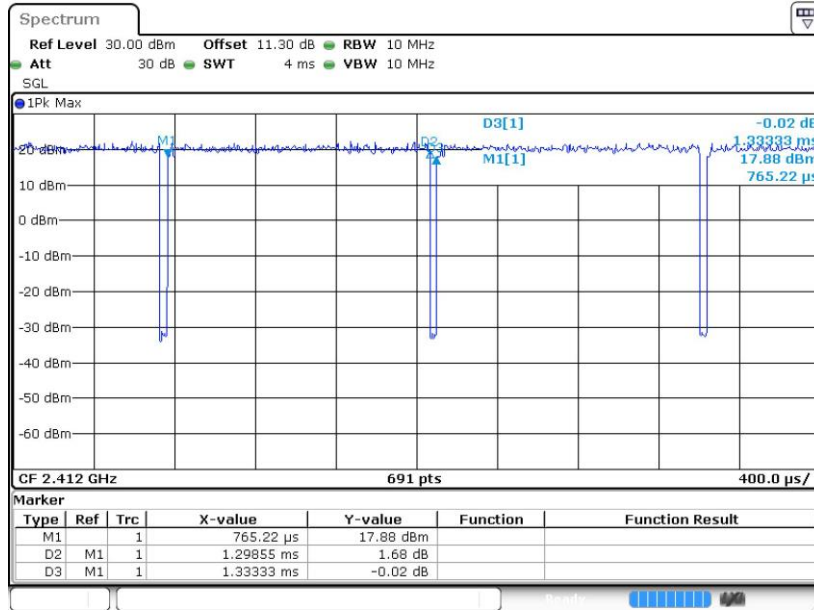
802.11g



Date: 23.APR.2023 11:22:01

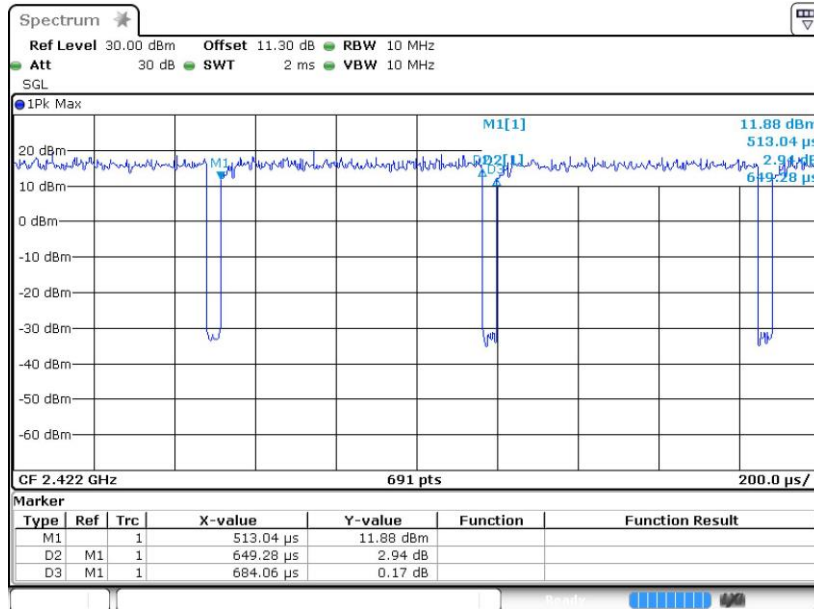


802.11n HT 20



Date: 23.APR.2023 11:24:32

802.11n HT40



Date: 23.APR.2023 11:26:19