



	9	
Mode	Harmonic	
	U-NII-1_5.15-5.25_802.11ac VHT80_CH42_5210MHz	
ANT	10+11	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 HORIZONTAL</p>	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 VERTICAL</p>
	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 HORIZONTAL</p>	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 VERTICAL</p>



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QP/ Peak	<p>Site : 03CH16-HY Condition: QP 3m CBL6111D00002N1D01N-06_47020 & 06 HORIZONTAL</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq (MHz)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Line Margin (dB)</th> <th>Read Level (dBuV)</th> <th>Ant Factor (dB/m)</th> <th>Cable Loss (dB)</th> <th>Preamp Factor (dB)</th> <th>Aux Factor (dB)</th> <th>APos (cm)</th> <th>TPos (deg)</th> <th>Remark</th> </tr> </thead> <tbody> <tr><td>1</td><td>36.79</td><td>24.89</td><td>40.00</td><td>-15.11</td><td>35.35</td><td>21.16</td><td>0.94</td><td>32.56</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>2</td><td>108.57</td><td>23.75</td><td>43.50</td><td>-19.75</td><td>37.53</td><td>16.97</td><td>1.60</td><td>32.35</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>3</td><td>262.80</td><td>21.09</td><td>46.00</td><td>-24.91</td><td>30.92</td><td>20.01</td><td>2.51</td><td>32.35</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>4</td><td>508.21</td><td>23.57</td><td>46.00</td><td>-22.43</td><td>29.02</td><td>23.97</td><td>3.49</td><td>32.91</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>5</td><td>730.34</td><td>29.97</td><td>46.00</td><td>-16.03</td><td>30.18</td><td>27.71</td><td>4.20</td><td>32.12</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>6</td><td>897.18</td><td>33.89</td><td>46.00</td><td>-12.11</td><td>32.54</td><td>28.95</td><td>4.66</td><td>32.26</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> </tbody> </table>	Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	1	36.79	24.89	40.00	-15.11	35.35	21.16	0.94	32.56	0.00	--	--	Peak	2	108.57	23.75	43.50	-19.75	37.53	16.97	1.60	32.35	0.00	--	--	Peak	3	262.80	21.09	46.00	-24.91	30.92	20.01	2.51	32.35	0.00	--	--	Peak	4	508.21	23.57	46.00	-22.43	29.02	23.97	3.49	32.91	0.00	--	--	Peak	5	730.34	29.97	46.00	-16.03	30.18	27.71	4.20	32.12	0.00	--	--	Peak	6	897.18	33.89	46.00	-12.11	32.54	28.95	4.66	32.26	0.00	--	--	Peak	<p>Site : 03CH16-HY Condition: QP 3m CBL6111D00002N1D01N-06_47020 & 06 VERTICAL</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq (MHz)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Line Margin (dB)</th> <th>Read Level (dBuV)</th> <th>Ant Factor (dB/m)</th> <th>Cable Loss (dB)</th> <th>Preamp Factor (dB)</th> <th>Aux Factor (dB)</th> <th>APos (cm)</th> <th>TPos (deg)</th> <th>Remark</th> </tr> </thead> <tbody> <tr><td>1</td><td>36.79</td><td>31.24</td><td>40.00</td><td>-8.76</td><td>41.70</td><td>21.16</td><td>0.94</td><td>32.56</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>2</td><td>110.51</td><td>27.30</td><td>43.50</td><td>-16.12</td><td>41.03</td><td>17.06</td><td>1.62</td><td>32.33</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>3</td><td>260.86</td><td>22.27</td><td>46.00</td><td>-23.73</td><td>32.12</td><td>20.01</td><td>2.50</td><td>32.36</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>4</td><td>501.42</td><td>24.53</td><td>46.00</td><td>-21.47</td><td>30.02</td><td>23.92</td><td>3.47</td><td>32.88</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>5</td><td>741.98</td><td>30.52</td><td>46.00</td><td>-15.48</td><td>30.29</td><td>28.08</td><td>4.24</td><td>32.09</td><td>0.00</td><td>--</td><td>--</td><td>Peak</td></tr> <tr><td>6</td><td>902.03</td><td>31.98</td><td>46.00</td><td>-14.02</td><td>30.54</td><td>29.01</td><td>4.68</td><td>32.25</td><td>0.00</td><td>400</td><td>135</td><td>Peak</td></tr> </tbody> </table>	Peak	Freq (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Line Margin (dB)	Read Level (dBuV)	Ant Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Aux Factor (dB)	APos (cm)	TPos (deg)	Remark	1	36.79	31.24	40.00	-8.76	41.70	21.16	0.94	32.56	0.00	--	--	Peak	2	110.51	27.30	43.50	-16.12	41.03	17.06	1.62	32.33	0.00	--	--	Peak	3	260.86	22.27	46.00	-23.73	32.12	20.01	2.50	32.36	0.00	--	--	Peak	4	501.42	24.53	46.00	-21.47	30.02	23.92	3.47	32.88	0.00	--	--	Peak	5	741.98	30.52	46.00	-15.48	30.29	28.08	4.24	32.09	0.00	--	--	Peak	6	902.03	31.98	46.00	-14.02	30.54	29.01	4.68	32.25	0.00	400	135	Peak
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**B2.1. Radiated Spurious Emission Test Modes**

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 11	U-NII-3	5.725-5.85	10+11	802.11a	149	5745	6Mbps	-	-
Mode 12	U-NII-3	5.725-5.85	10+11	802.11a	157	5785	6Mbps	-	-
Mode 13	U-NII-3	5.725-5.85	10+11	802.11a	165	5825	6Mbps	-	-
Mode 14	U-NII-3	5.725-5.85	10+11	802.11n HT20	149	5745	MCS0	-	-
Mode 15	U-NII-3	5.725-5.85	10+11	802.11n HT20	157	5785	MCS0	-	-
Mode 16	U-NII-3	5.725-5.85	10+11	802.11n HT20	165	5825	MCS0	-	-
Mode 17	U-NII-3	5.725-5.85	10+11	802.11n HT40	151	5755	MCS0	-	-
Mode 18	U-NII-3	5.725-5.85	10+11	802.11n HT40	159	5795	MCS0	-	-
Mode 19	U-NII-3	5.725-5.85	10+11	802.11ac VHT80	155	5775	MCS0	-	-
Mode 20	U-NII-3	5.725-5.85	10+11	802.11ac VHT80	155	5775	MCS0	-	LF
Mode 22	U-NII-3	5.725-5.85	10+11	802.11ac VHT80	155	5775	MCS0	-	SHF



B2.2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
11	802.11a	149	5616.10	55.13	68.20	-13.07	H	Peak	Pass	-	Band Edge
	802.11a	149	11490.00	47.94	54.00	-6.06	H	Avg.	Pass	-	Harmonic
12	802.11a	157	5928.55	56.43	68.20	-11.77	H	Peak	Pass	-	Band Edge
	802.11a	157	11570.00	48.32	54.00	-5.68	H	Avg.	Pass	-	Harmonic
13	802.11a	165	5944.00	57.11	68.20	-11.09	V	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	46.42	54.00	-7.58	H	Avg.	Pass	-	Harmonic
14	802.11n HT20	149	5643.21	56.38	68.20	-11.82	V	Peak	Pass	-	Band Edge
	802.11n HT20	149	11490.00	46.87	54.00	-7.13	H	Avg.	Pass	-	Harmonic
15	802.11n HT20	157	5933.01	57.22	68.20	-10.98	H	Peak	Pass	-	Band Edge
	802.11n HT20	157	11570.00	48.04	54.00	-5.96	H	Avg.	Pass	-	Harmonic
16	802.11n HT20	165	5944.50	57.21	68.20	-10.99	V	Peak	Pass	-	Band Edge
	802.11n HT20	165	11650.00	45.47	54.00	-8.53	H	Avg.	Pass	-	Harmonic
17	802.11n HT40	151	5649.60	63.64	68.20	-4.56	V	Peak	Pass	-	Band Edge
	802.11n HT40	151	11510.00	46.03	54.00	-7.97	H	Avg.	Pass	-	Harmonic
18	802.11n HT40	159	5930.01	58.95	68.20	-9.25	V	Peak	Pass	-	Band Edge
	802.11n HT40	159	11590.00	45.92	54.00	-8.08	H	Avg.	Pass	-	Harmonic
19	802.11ac VHT80	155	5645.85	65.59	68.20	-2.61	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	155	11550.00	45.29	54.00	-8.71	H	Avg.	Pass	-	Harmonic
20	LF	155	734.22	34.05	46.00	-11.95	H	Peak	Pass	-	LF
22	SHF	155	39199.32	45.74	54.00	-8.26	H	Avg.	Pass	-	SHF



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ANT	10+11	
Pol.	Horizontal	Vertical
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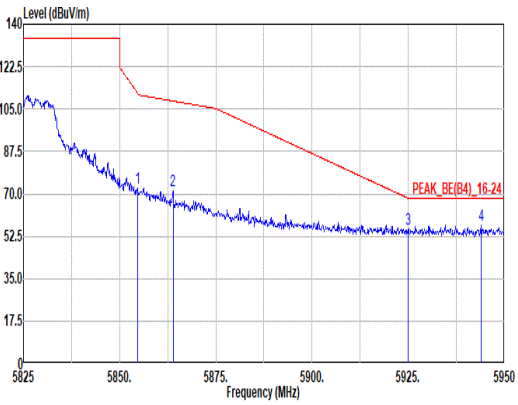
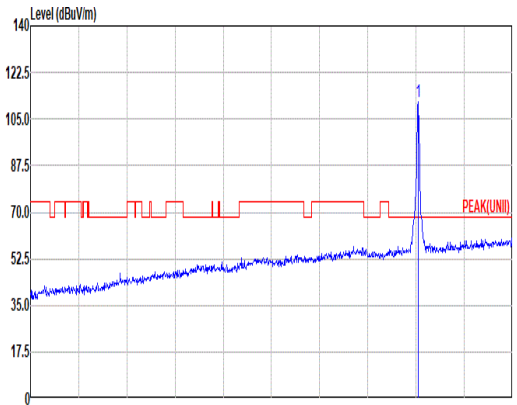
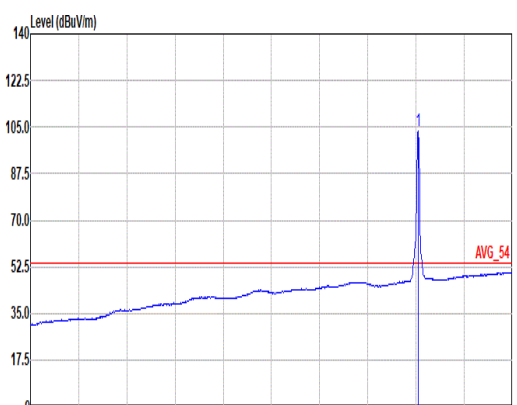


	12	
Mode	Harmonic	
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ANT	10+11	
Pol.	Horizontal	Vertical
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	13	
Mode	Harmonic	
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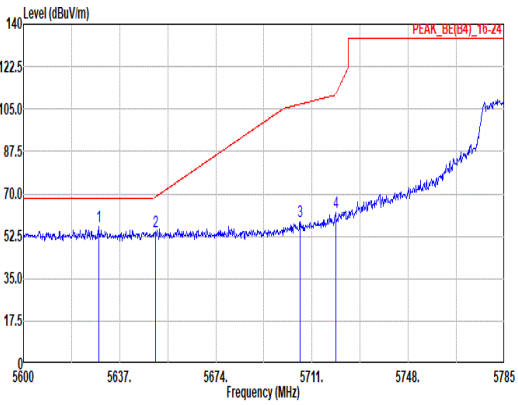
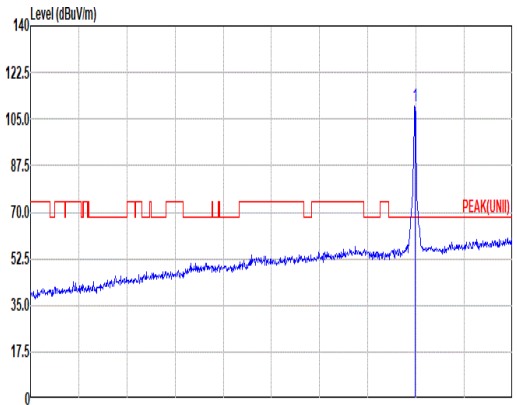
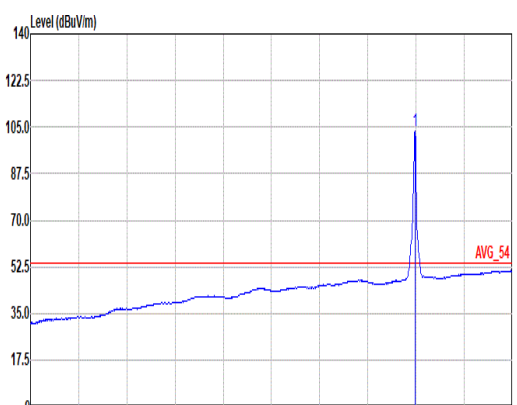


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1 5853.81	58.54	113.52	-54.98	42.13	33.92	11.91	29.42	0.00	286 169 PEAK																																																													
2 5874.60	56.42	105.31	-48.89	39.92	34.00	11.92	29.42	0.00	286 169 PEAK																																																													
3 5924.92	55.04	68.26	-13.22	38.40	34.10	11.97	29.43	0.00	286 169 PEAK																																																													
4 5928.72	56.21	68.20	-11.99	39.58	34.10	11.97	29.44	0.00	286 169 PEAK																																																													



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Mode	Harmonic	
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ANT	10+11	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 HORIZONTAL</p>	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 VERTICAL</p>
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	16	
Mode	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH165_5825MHz	
ANT	10+11	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 HORIZONTAL</p>	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 VERTICAL</p>
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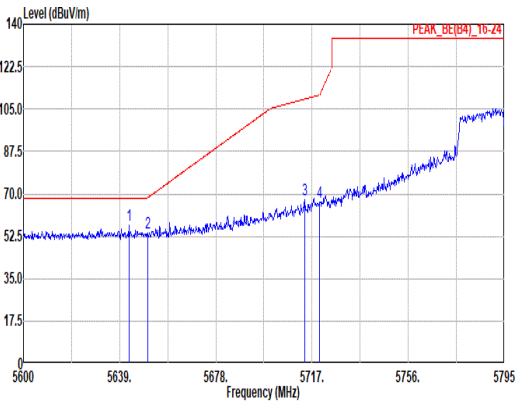
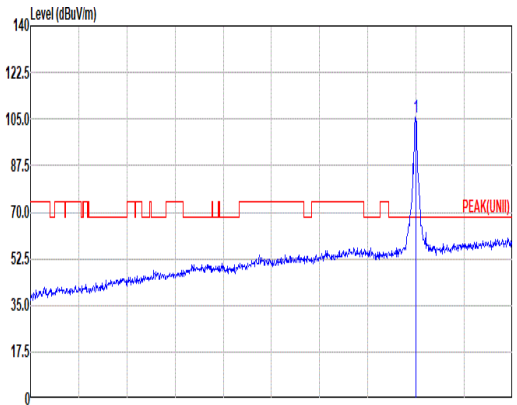
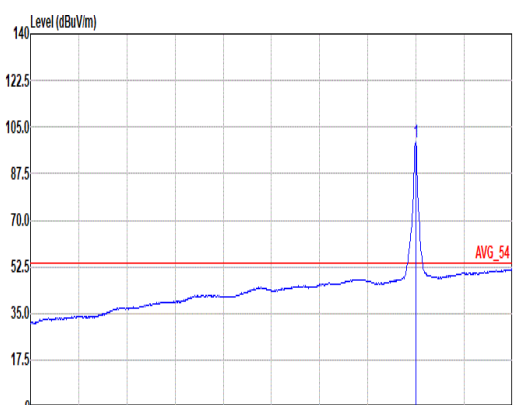


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	17.7G ~18G Avg.	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 HORIZONTAL</p>

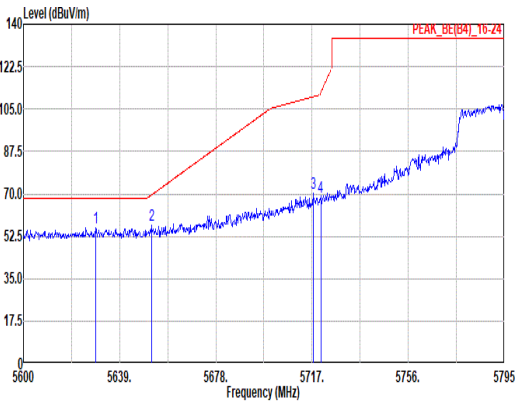
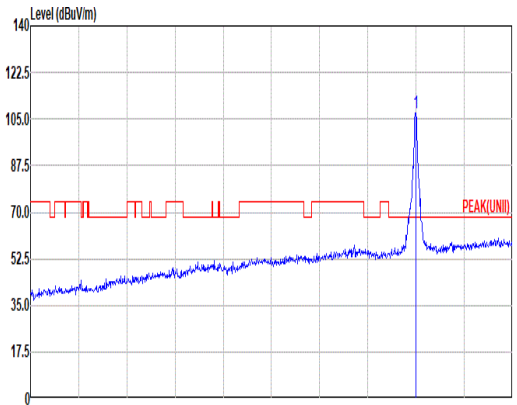
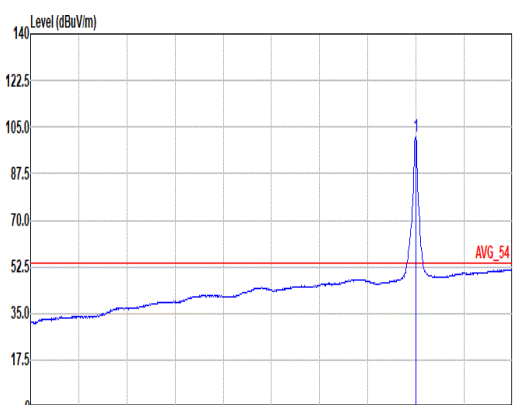


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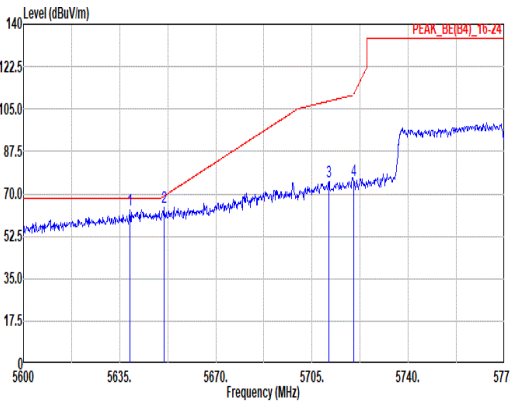
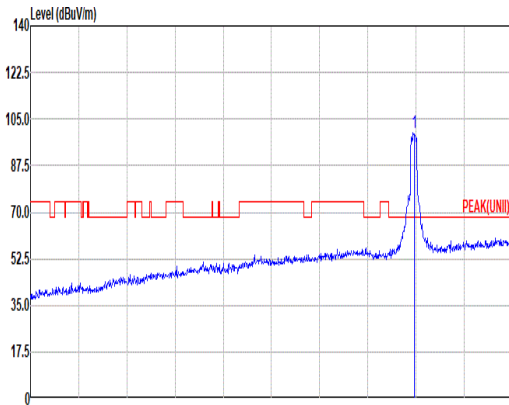
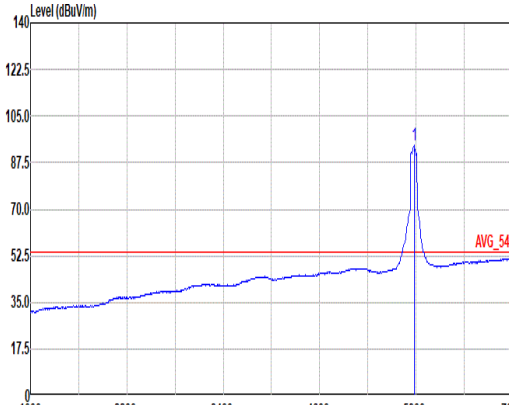


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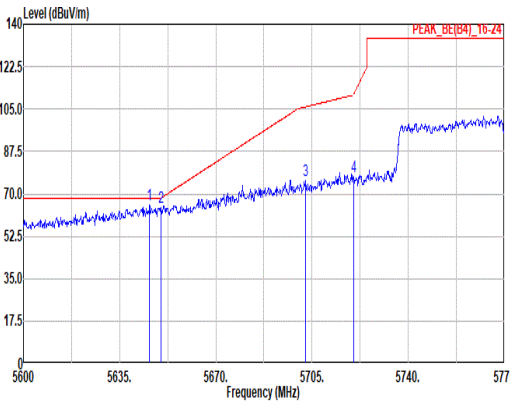
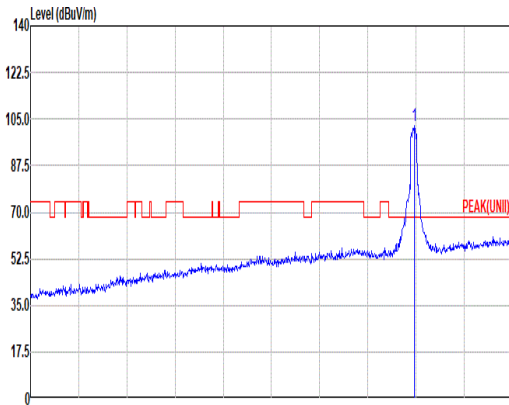
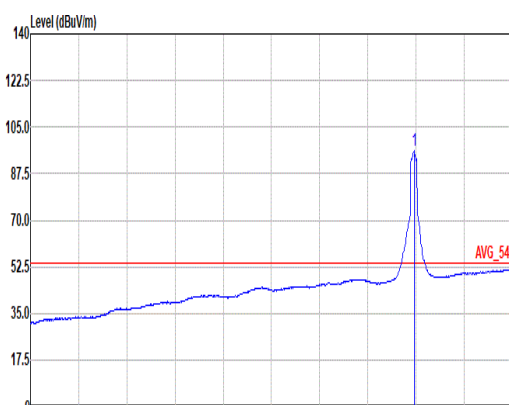


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ANT	10+11	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 HORIZONTAL</p>	<p>Site : 03CH16-HY Condition: AVG_54 3m 91280-1522_240328 VERTICAL</p>
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Appendix C. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
10+11	802.11a	93.46	1430	0.70	750Hz
10+11	5GHz 802.11n HT20	93.03	1335	0.75	750Hz
10+11	5GHz 802.11n HT40	86.67	663	1.51	1.6KHz
10+11	5GHz 802.11ac VHT80	85.96	612	1.63	1.8KHz

MIMO <Ant. 10+11>

