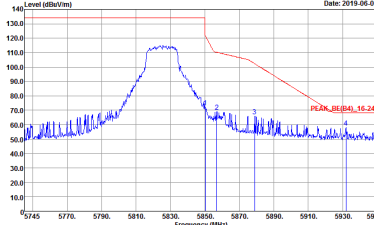
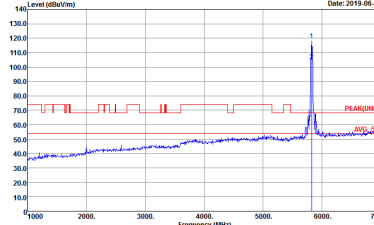
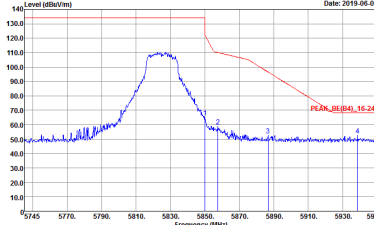
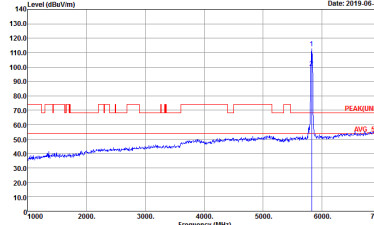
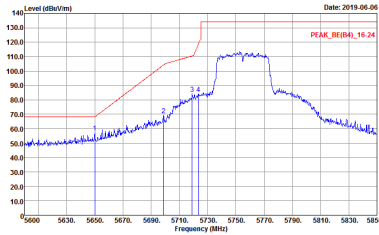
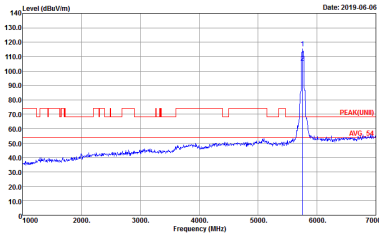
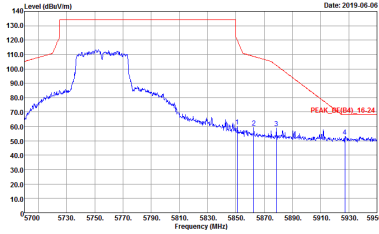
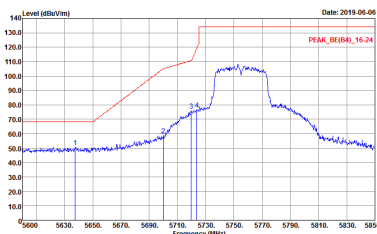
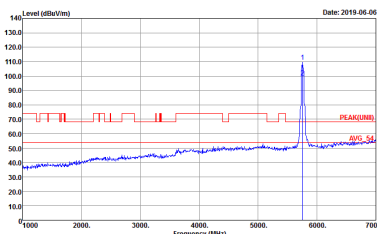
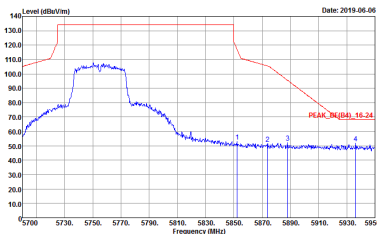


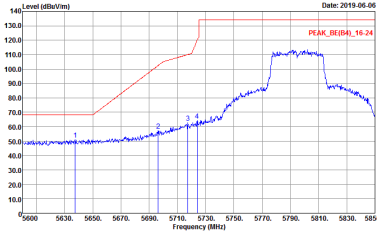
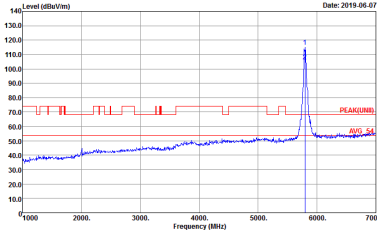
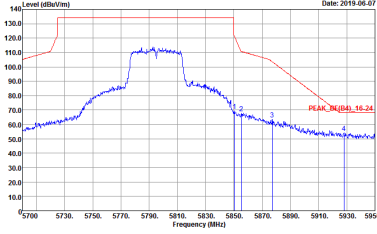
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20

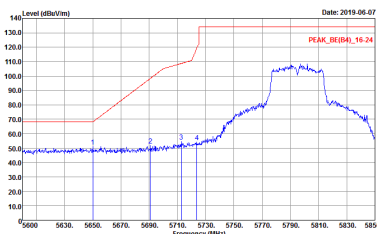
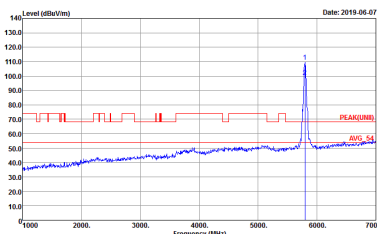
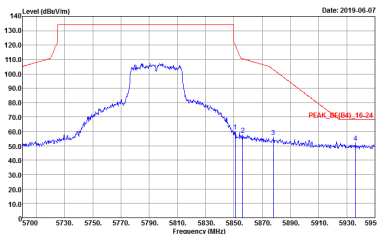
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_8E(84)_16-24 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20

Band 4 5725~5850MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

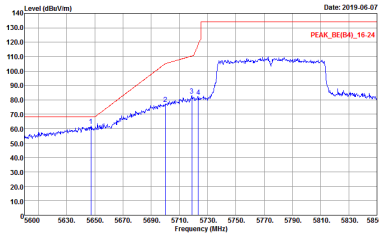
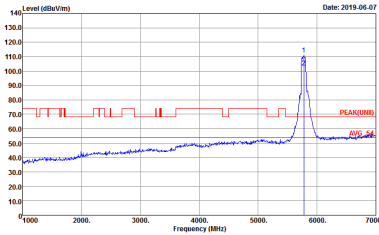
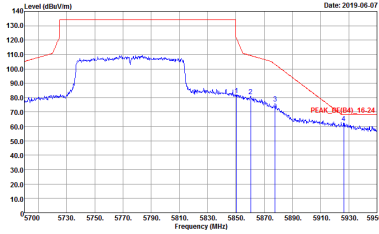
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK_UN(B) 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930401 Setting : 20
	 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 930401 Setting : 20	Left blank

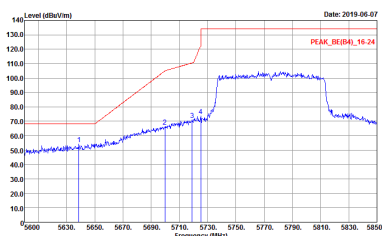
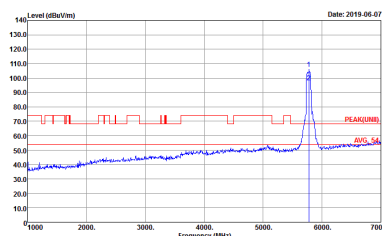
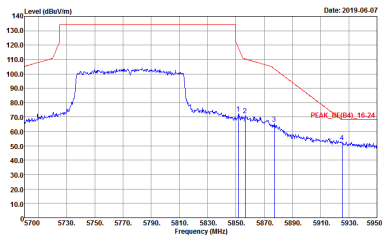
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Date: 2019-06-06 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20	 Date: 2019-06-06 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20
Peak	 Date: 2019-06-06 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20
Peak	 Site : 03CH11-HY Condition : PEAK_BE(84)_16-24 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	Left blank

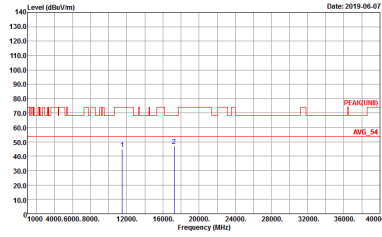
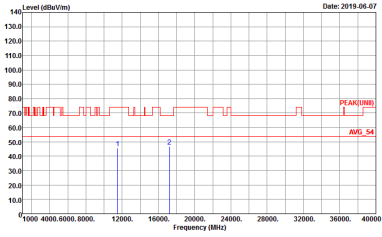
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20
	 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20	Left blank

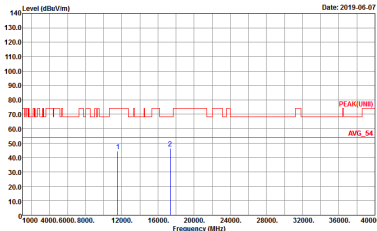
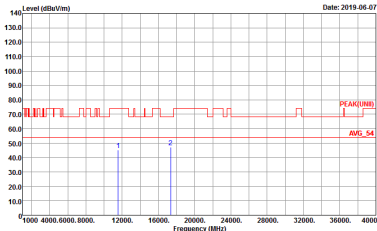
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

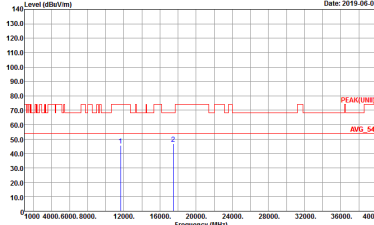
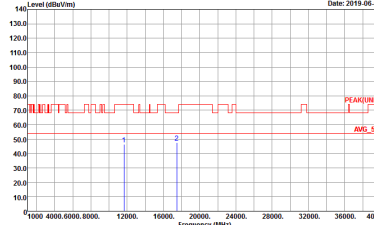
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20
	 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Date: 2019-06-07 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20	 Date: 2019-06-07 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20
Peak	 Date: 2019-06-07 Site : 03CH11-HY Condition : PEAK_BE(B4)_16-24 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20	Left blank

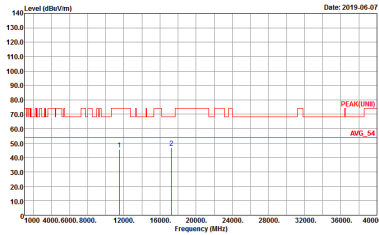
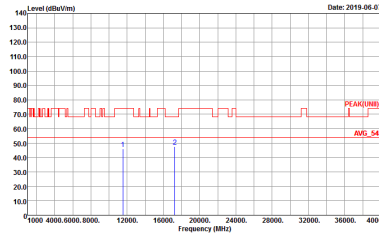
Band 4 - 5725~5850MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

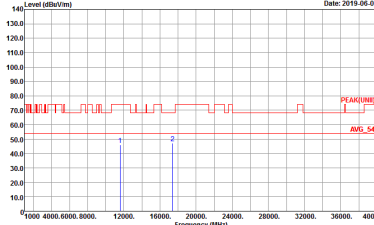
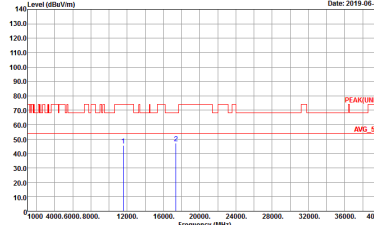
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 930401 Setting : 20

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20

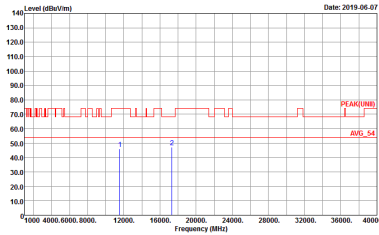
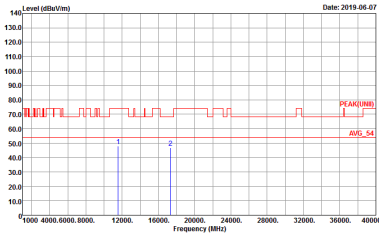
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20

Band 4 5725~5850MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

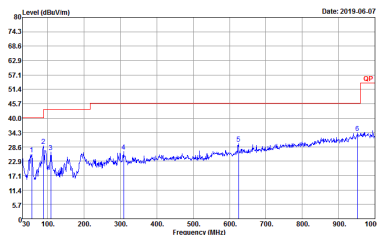
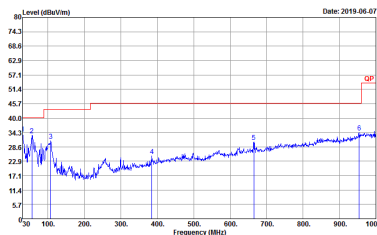
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CHI1-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CH11-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20

Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK(UNII) 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 930401 Setting : 20	 Site : 03CHI1-HY Condition : PEAK(UNII) 3m HORN 91200-HF VERTICAL Detector : Peak Project : 930401 Setting : 20

Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH11-HY Condition : QP 3m BT-LOG 6111D-LF_ETC HORIZONTAL Detector : Peak Project : 930401	 Site : 03CH11-HY Condition : QP 3m BT-LOG 6111D-LF_ETC VERTICAL Detector : Peak Project : 930401

Annex. A Receiver Radiated Emission Measurement

A.1 Limit of Receiver Radiated Emission

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

A.2 Measuring Instruments

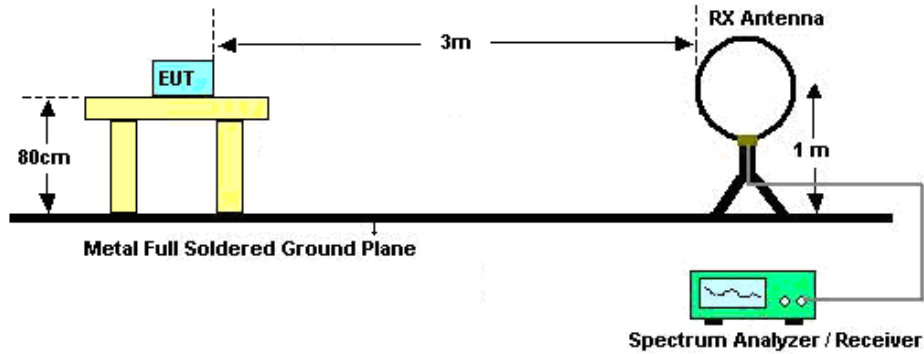
See list of measuring equipment of this test report.

A.3 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dBμV/m) = 20 log Emission level (μV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

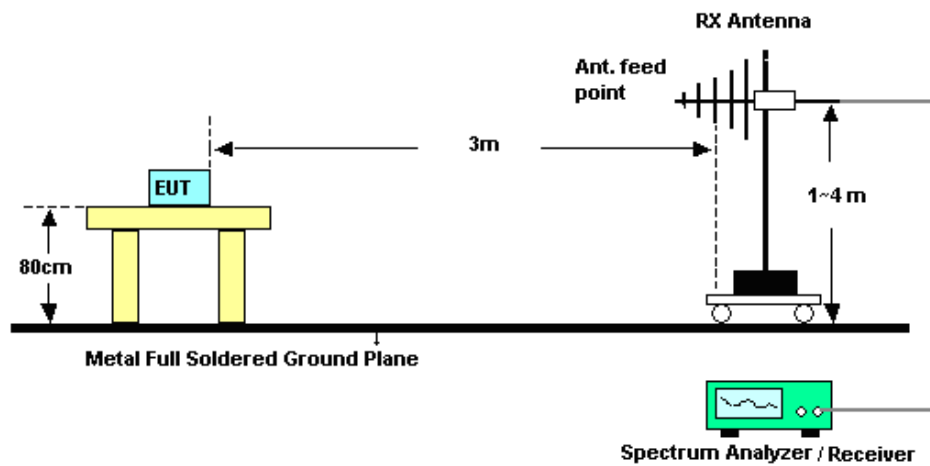
A.4 Test Setup

For radiated emissions below 30MHz

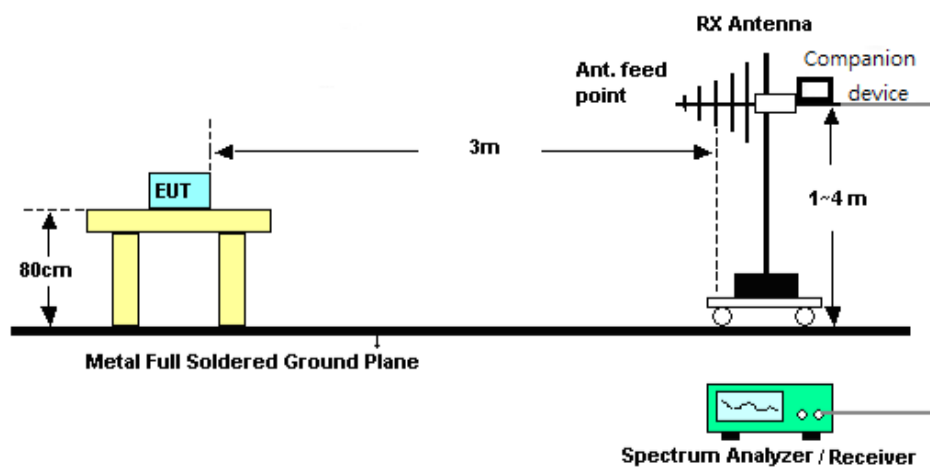


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

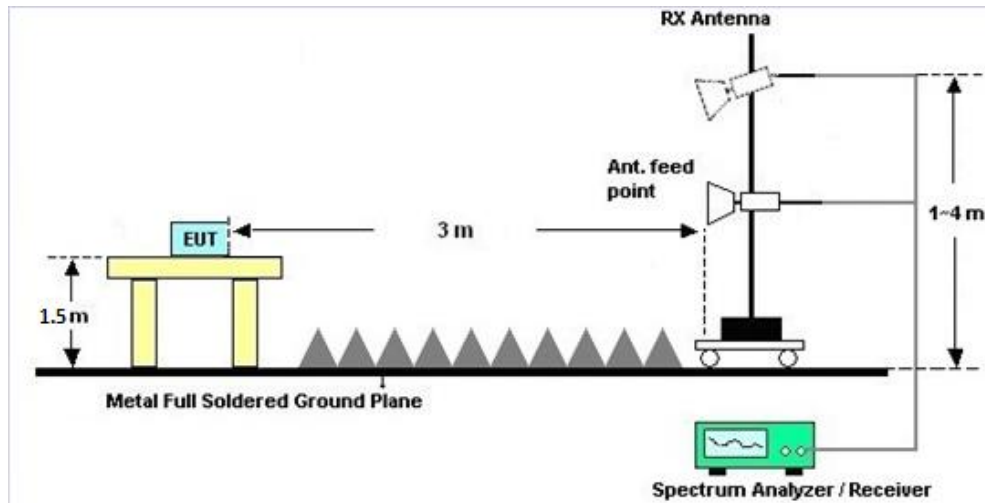


<TXBF Modes>

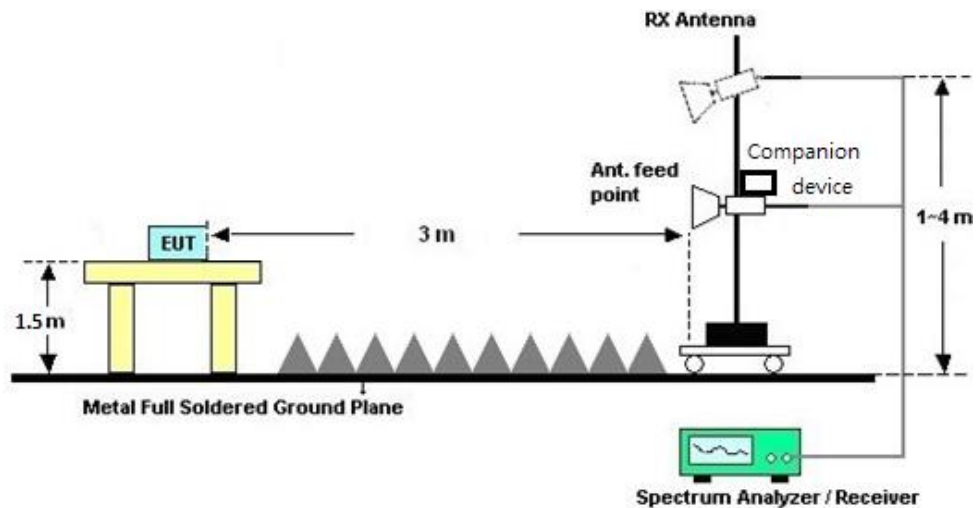


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>

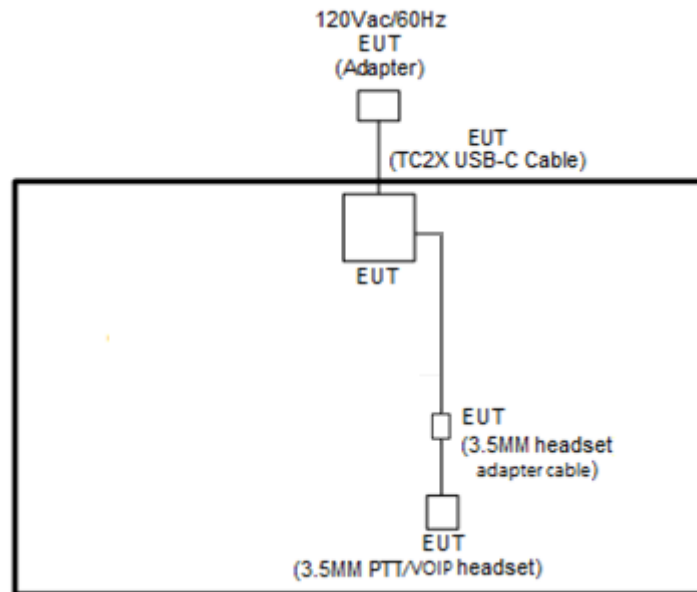


A.5 Test Result of Receiver Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per NCC LP0002 section 5.13 was not reported.

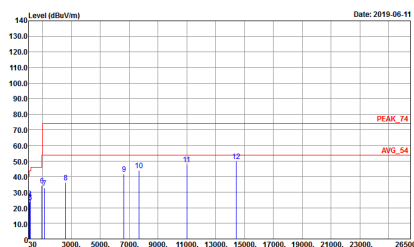
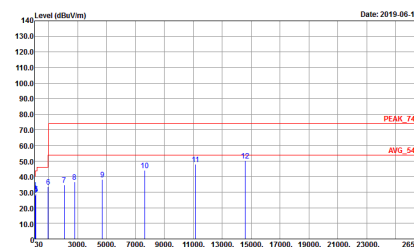
There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

A.6 Connection Diagram of Test System



A.7 Test Result of Receiver Radiated Spurious Emission (30MHz ~ 5th Harmonic)

Test Engineer :	Andy Yang, JC Liang and Wilson Wu	Temperature :	24.5~25.0°C
		Relative Humidity :	50~51%
Frequency	31.940 MHz	Margin	Under 8.50 dB
Test Mode	WLAN (5GHz) RX + 3.5MM headset adapter cable + 3.5MM PTT/VOIP headset + TC2X USB-C Cable (Charging with AC Adapter)		

		Idle Mode																																																																																																																																																																																																																																																																																																																			
		Horizontal	Vertical																																																																																																																																																																																																																																																																																																																		
Peak Avg.																																																																																																																																																																																																																																																																																																																					
	Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak Project : 930401 Mode : 8 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamplifier</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>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>30.00</td><td>23.70</td><td>-16.30</td><td>40.00</td><td>30.83</td><td>24.70</td><td>0.45</td><td>32.29</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>78.50</td><td>26.20</td><td>-13.80</td><td>40.00</td><td>44.77</td><td>12.95</td><td>0.68</td><td>32.24</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>128.94</td><td>23.73</td><td>-19.77</td><td>43.50</td><td>37.65</td><td>17.29</td><td>0.91</td><td>32.19</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>137.67</td><td>25.37</td><td>-18.13</td><td>43.50</td><td>39.34</td><td>17.20</td><td>0.93</td><td>32.18</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>151.25</td><td>23.20</td><td>-20.30</td><td>43.50</td><td>37.55</td><td>16.77</td><td>0.86</td><td>32.17</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>956.35</td><td>34.13</td><td>-11.87</td><td>46.00</td><td>31.75</td><td>30.63</td><td>2.46</td><td>30.93</td><td>100</td><td>0 Peak</td></tr><tr><td>7</td><td>1136.00</td><td>32.67</td><td>-11.33</td><td>74.00</td><td>63.26</td><td>24.78</td><td>2.82</td><td>58.19</td><td>---</td><td>Peak</td></tr><tr><td>8</td><td>2680.00</td><td>36.30</td><td>-17.70</td><td>74.00</td><td>61.36</td><td>27.72</td><td>4.42</td><td>57.20</td><td>---</td><td>Peak</td></tr><tr><td>9</td><td>6645.00</td><td>41.70</td><td>-12.30</td><td>74.00</td><td>55.82</td><td>34.63</td><td>7.44</td><td>56.19</td><td>---</td><td>Peak</td></tr><tr><td>10</td><td>7680.00</td><td>44.12</td><td>-9.88</td><td>74.00</td><td>56.79</td><td>36.75</td><td>8.04</td><td>57.46</td><td>---</td><td>Peak</td></tr><tr><td>11</td><td>11910.00</td><td>47.97</td><td>-6.03</td><td>74.00</td><td>54.28</td><td>40.48</td><td>9.71</td><td>56.50</td><td>---</td><td>Peak</td></tr><tr><td>12</td><td>14415.00</td><td>49.80</td><td>-24.20</td><td>74.00</td><td>53.43</td><td>41.88</td><td>11.39</td><td>56.90</td><td>100</td><td>0 Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamplifier	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	30.00	23.70	-16.30	40.00	30.83	24.70	0.45	32.29	---	Peak	2	78.50	26.20	-13.80	40.00	44.77	12.95	0.68	32.24	---	Peak	3	128.94	23.73	-19.77	43.50	37.65	17.29	0.91	32.19	---	Peak	4	137.67	25.37	-18.13	43.50	39.34	17.20	0.93	32.18	---	Peak	5	151.25	23.20	-20.30	43.50	37.55	16.77	0.86	32.17	---	Peak	6	956.35	34.13	-11.87	46.00	31.75	30.63	2.46	30.93	100	0 Peak	7	1136.00	32.67	-11.33	74.00	63.26	24.78	2.82	58.19	---	Peak	8	2680.00	36.30	-17.70	74.00	61.36	27.72	4.42	57.20	---	Peak	9	6645.00	41.70	-12.30	74.00	55.82	34.63	7.44	56.19	---	Peak	10	7680.00	44.12	-9.88	74.00	56.79	36.75	8.04	57.46	---	Peak	11	11910.00	47.97	-6.03	74.00	54.28	40.48	9.71	56.50	---	Peak	12	14415.00	49.80	-24.20	74.00	53.43	41.88	11.39	56.90	100	0 Peak	Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak Project : 930401 Mode : 8 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamplifier</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>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>31.94</td><td>31.50</td><td>-8.50</td><td>40.00</td><td>31.03</td><td>500.00</td><td>0.47</td><td>500.00</td><td>100</td><td>0 Peak</td></tr><tr><td>2</td><td>41.64</td><td>29.68</td><td>-10.32</td><td>40.00</td><td>42.94</td><td>18.51</td><td>0.48</td><td>32.29</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>62.98</td><td>28.26</td><td>-11.74</td><td>40.00</td><td>48.41</td><td>11.50</td><td>0.59</td><td>32.27</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>120.21</td><td>28.92</td><td>-14.58</td><td>43.50</td><td>43.07</td><td>17.10</td><td>0.88</td><td>32.00</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>130.88</td><td>28.83</td><td>-14.67</td><td>43.50</td><td>42.73</td><td>17.30</td><td>0.91</td><td>32.19</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>958.29</td><td>33.49</td><td>-12.51</td><td>46.00</td><td>31.05</td><td>30.67</td><td>2.46</td><td>30.91</td><td>---</td><td>Peak</td></tr><tr><td>7</td><td>2076.00</td><td>34.75</td><td>-19.25</td><td>74.00</td><td>61.85</td><td>26.38</td><td>3.96</td><td>57.44</td><td>---</td><td>Peak</td></tr><tr><td>8</td><td>2792.00</td><td>36.48</td><td>-17.52</td><td>74.00</td><td>61.22</td><td>28.12</td><td>4.53</td><td>57.39</td><td>---</td><td>Peak</td></tr><tr><td>9</td><td>4710.00</td><td>38.30</td><td>-15.70</td><td>74.00</td><td>59.14</td><td>31.01</td><td>5.93</td><td>57.78</td><td>---</td><td>Peak</td></tr><tr><td>10</td><td>7665.00</td><td>44.01</td><td>-9.99</td><td>74.00</td><td>56.72</td><td>36.73</td><td>8.03</td><td>57.47</td><td>---</td><td>Peak</td></tr><tr><td>11</td><td>11145.00</td><td>48.10</td><td>-25.90</td><td>74.00</td><td>54.45</td><td>40.32</td><td>9.77</td><td>56.44</td><td>---</td><td>Peak</td></tr><tr><td>12</td><td>14610.00</td><td>50.36</td><td>-23.64</td><td>74.00</td><td>53.80</td><td>41.89</td><td>11.45</td><td>56.78</td><td>100</td><td>0 Peak</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamplifier	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	31.94	31.50	-8.50	40.00	31.03	500.00	0.47	500.00	100	0 Peak	2	41.64	29.68	-10.32	40.00	42.94	18.51	0.48	32.29	---	Peak	3	62.98	28.26	-11.74	40.00	48.41	11.50	0.59	32.27	---	Peak	4	120.21	28.92	-14.58	43.50	43.07	17.10	0.88	32.00	---	Peak	5	130.88	28.83	-14.67	43.50	42.73	17.30	0.91	32.19	---	Peak	6	958.29	33.49	-12.51	46.00	31.05	30.67	2.46	30.91	---	Peak	7	2076.00	34.75	-19.25	74.00	61.85	26.38	3.96	57.44	---	Peak	8	2792.00	36.48	-17.52	74.00	61.22	28.12	4.53	57.39	---	Peak	9	4710.00	38.30	-15.70	74.00	59.14	31.01	5.93	57.78	---	Peak	10	7665.00	44.01	-9.99	74.00	56.72	36.73	8.03	57.47	---	Peak	11	11145.00	48.10	-25.90	74.00	54.45	40.32	9.77	56.44	---	Peak	12	14610.00	50.36	-23.64	74.00	53.80	41.89	11.45	56.78	100
Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamplifier	A/Pos	T/Pos	Remark																																																																																																																																																																																																																																																																																																											
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2	78.50	26.20	-13.80	40.00	44.77	12.95	0.68	32.24	---	Peak																																																																																																																																																																																																																																																																																																											
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5	151.25	23.20	-20.30	43.50	37.55	16.77	0.86	32.17	---	Peak																																																																																																																																																																																																																																																																																																											
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12	14415.00	49.80	-24.20	74.00	53.43	41.88	11.39	56.90	100	0 Peak																																																																																																																																																																																																																																																																																																											
Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamplifier	A/Pos	T/Pos	Remark																																																																																																																																																																																																																																																																																																											
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2	41.64	29.68	-10.32	40.00	42.94	18.51	0.48	32.29	---	Peak																																																																																																																																																																																																																																																																																																											
3	62.98	28.26	-11.74	40.00	48.41	11.50	0.59	32.27	---	Peak																																																																																																																																																																																																																																																																																																											
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Annex. B Maximum Power Density

B.1 RF Exposure Limit Introduction

According to NCC LP0002, the criteria listed in Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §5.20.2.1 and §5.20.2.2.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna

B.2 Standalone Power Density Calculation

<CDD Mode>

Maximum Power Density				
Max. Power	Gain	EIRP	20 cm PSD	Limit
19.4102996	2.53	21.9402996	0.0311	1
dBm	dBi	dBm	mW/cm ²	mW/cm ²

<TXBF Mode>

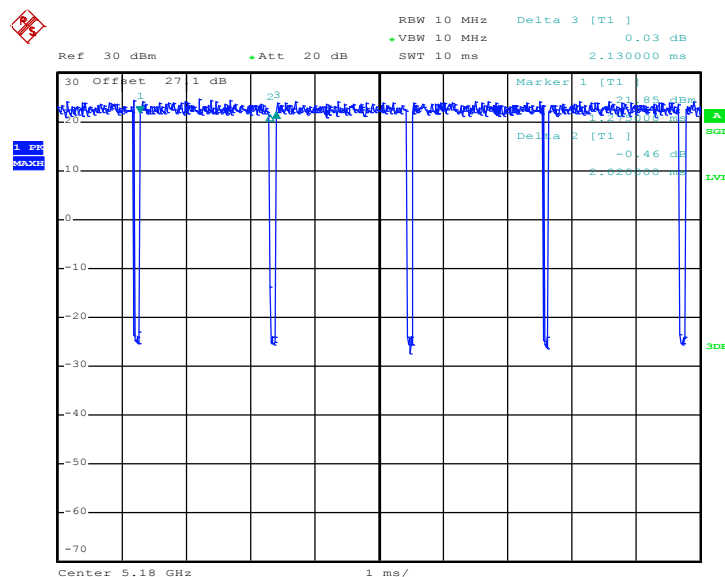
Maximum Power Density				
Max. Power	Gain	EIRP	20 cm PSD	Limit
18.93901891	5.52	24.45901891	0.0556	1
dBm	dBi	dBm	mW/cm ²	mW/cm ²

Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11a	94.84	2020	0.50	1kHz	0.23
2	802.11a	95.51	2020	0.50	1kHz	0.20
1+2	802.11a for Ant. 1	96.23	2040	0.49	1kHz	0.17
1+2	802.11a for Ant. 2	95.51	2020	0.50	1kHz	0.20
1	5GHz 802.11n HT20	94.95	1880	0.53	1kHz	0.23
2	5GHz 802.11n HT20	94.70	1875	0.53	1kHz	0.24
1+2	5GHz 802.11n HT20 for Ant. 1	94.71	1880	0.53	1kHz	0.24
1+2	5GHz 802.11n HT20 for Ant. 2	94.95	1880	0.53	1kHz	0.23
1	5GHz 802.11n HT40	91.18	930	1.08	3kHz	0.40
2	5GHz 802.11n HT40	91.18	930	1.08	3kHz	0.40
1+2	5GHz 802.11n HT40 for Ant. 1	92.08	930	1.08	3kHz	0.36
1+2	5GHz 802.11n HT40 for Ant. 2	91.18	930	1.08	3kHz	0.40
1	5GHz 802.11ac VHT20	95.70	1890	0.53	1kHz	0.19
2	5GHz 802.11ac VHT20	95.98	1910	0.52	1kHz	0.18
1+2	5GHz 802.11ac VHT20 for Ant. 1	94.97	1890	0.53	1kHz	0.22
1+2	5GHz 802.11ac VHT20 for Ant. 2	94.55	1910	0.52	1kHz	0.24
1	5GHz 802.11ac VHT40	90.34	935	1.07	3kHz	0.44
2	5GHz 802.11ac VHT40	91.26	940	1.06	3kHz	0.40
1+2	5GHz 802.11ac VHT40 for Ant. 1	92.16	940	1.06	3kHz	0.35
1+2	5GHz 802.11ac VHT40 for Ant. 2	91.67	935	1.07	3kHz	0.38
1	5GHz 802.11ac VHT80	89.33	738	1.36	3kHz	0.49
2	5GHz 802.11ac VHT80	89.05	732	1.37	3kHz	0.50
1+2	5GHz 802.11ac VHT80 for Ant. 1	89.71	732	1.37	3kHz	0.47
1+2	5GHz 802.11ac VHT80 for Ant. 2	90.37	732	1.37	3kHz	0.44

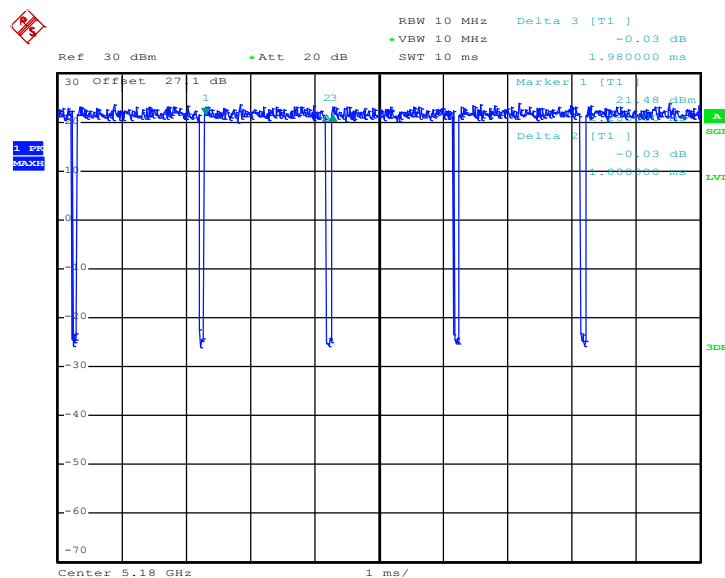
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802.11a



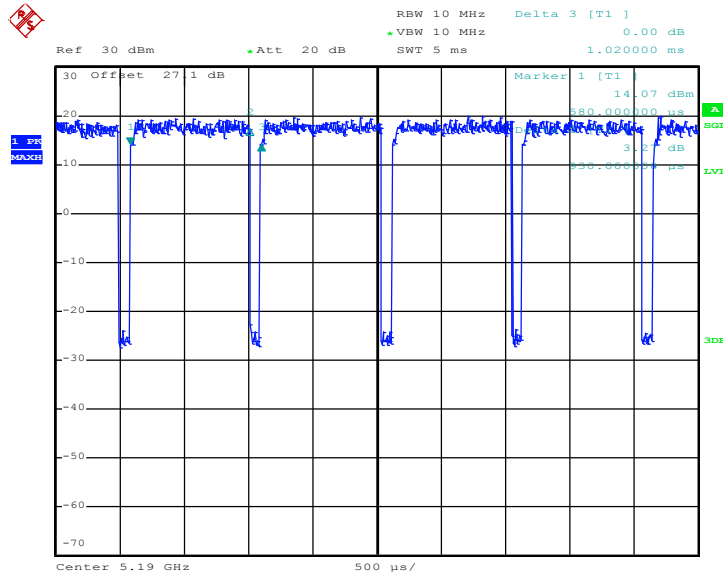
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802.11n HT20



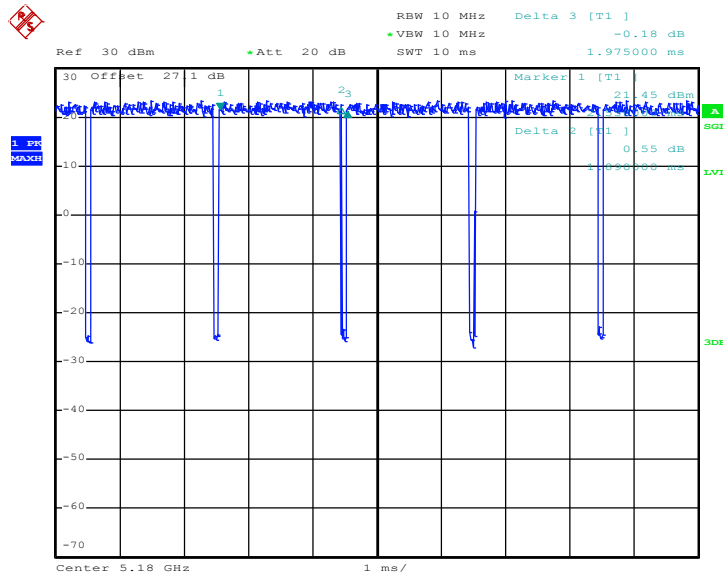
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802.11n HT40



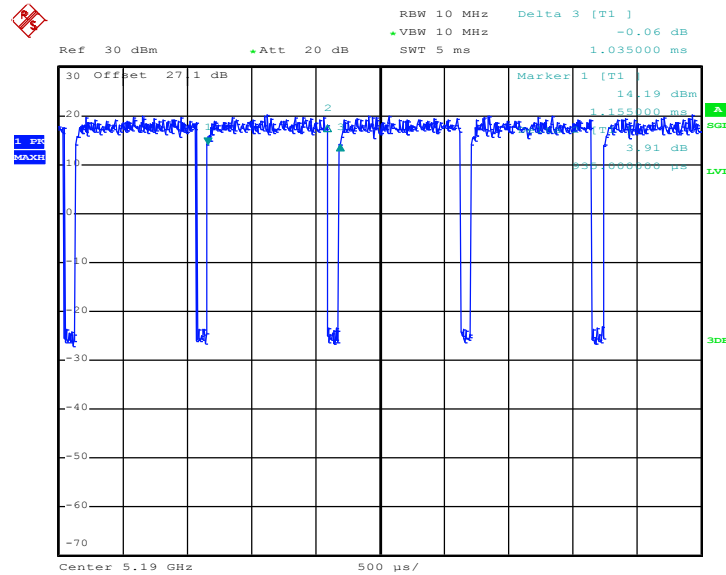
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802.11ac VHT20



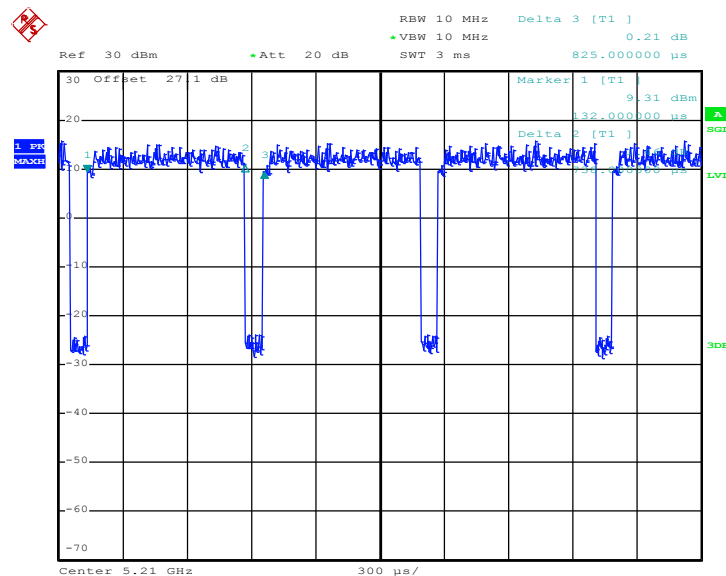
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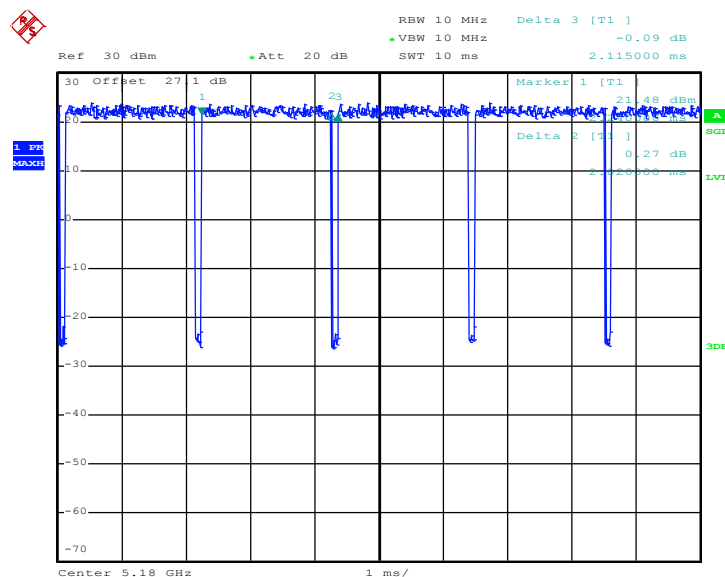
802.11ac VHT80



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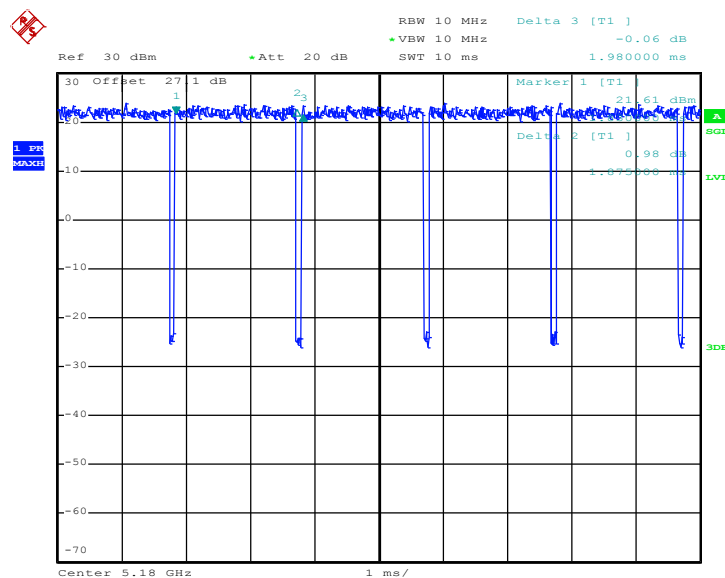
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802.11a



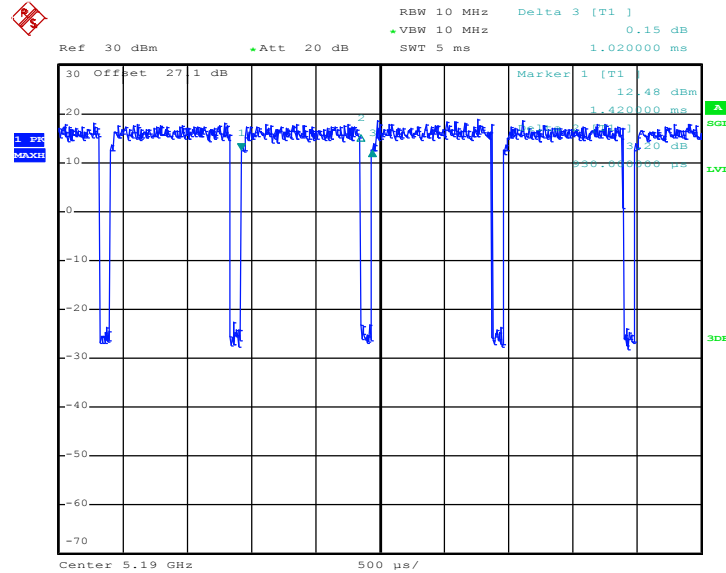
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802.11n HT20



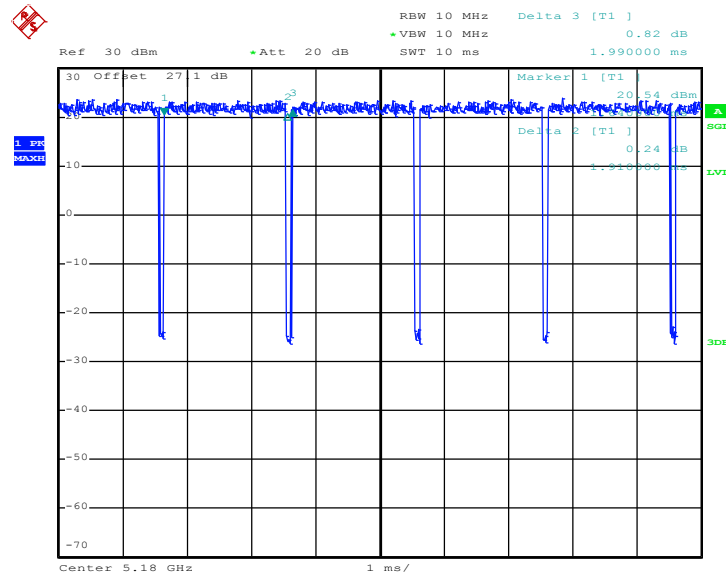
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802.11n HT40



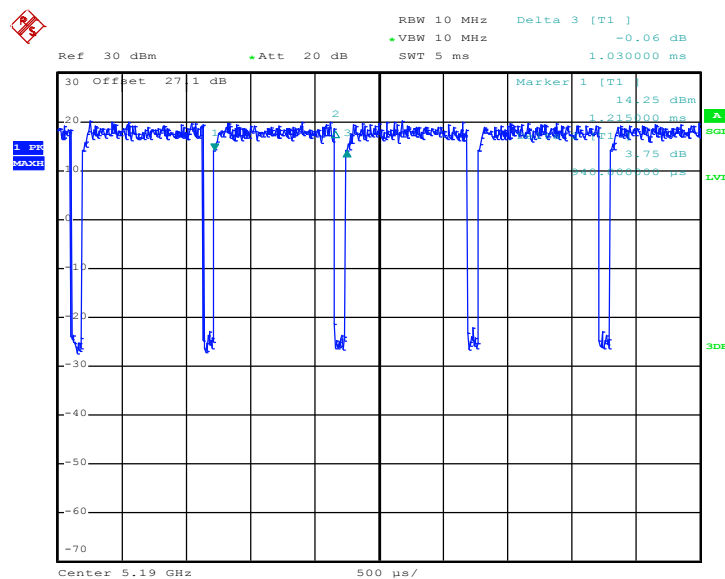
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802.11ac VHT20



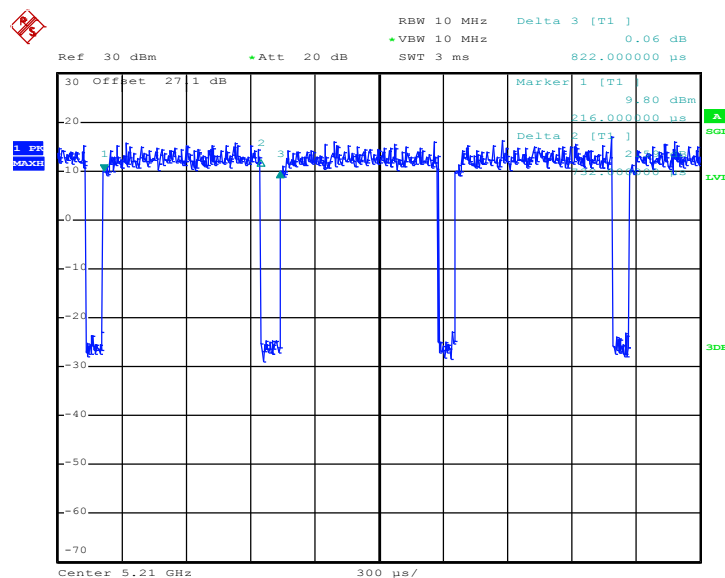
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802.11ac VHT40



Date: 16.MAY.2019 20:31:30

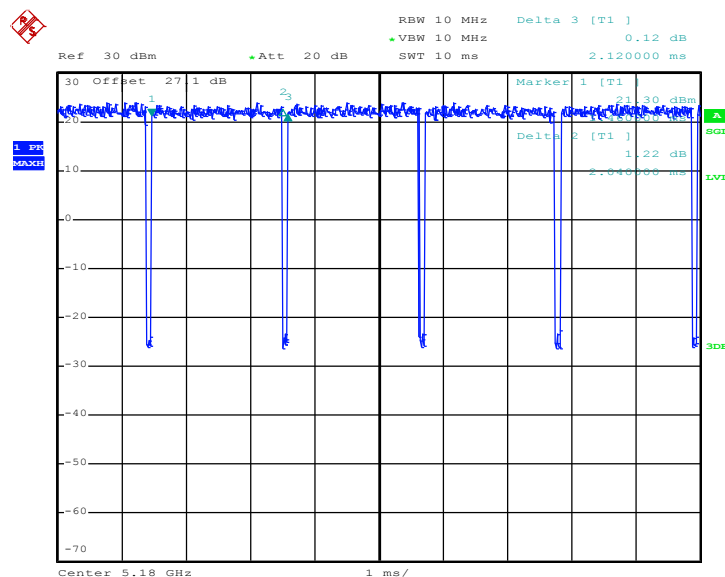
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Date: 15.MAY.2019 12:03:49

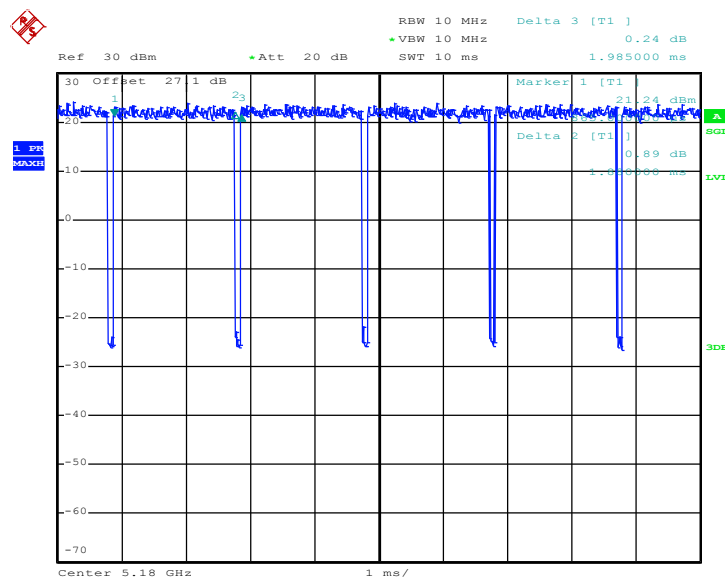
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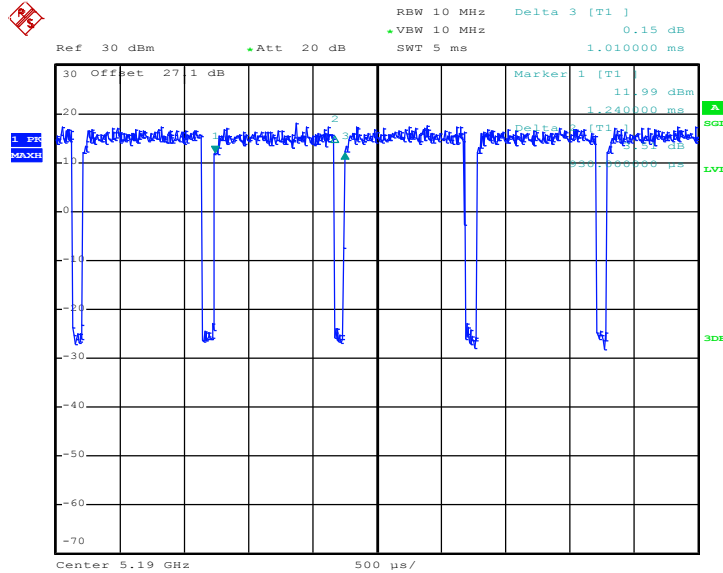
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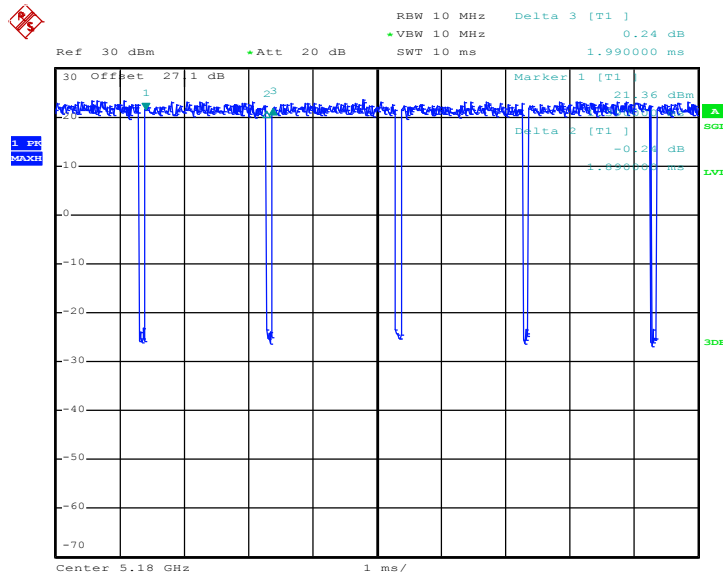
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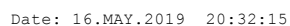


Date: 24.MAY.2019 00:02:55

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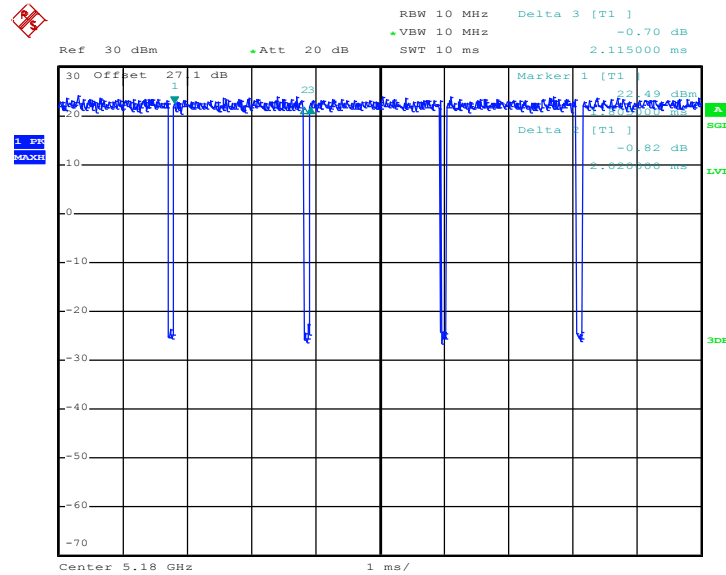


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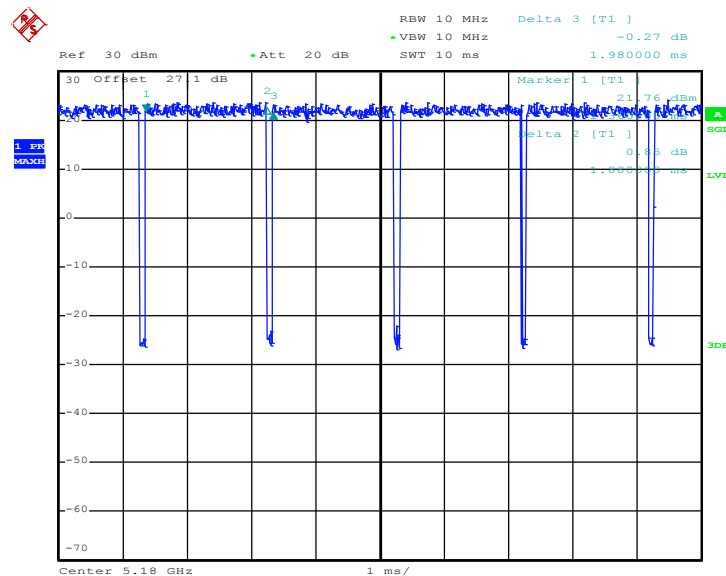
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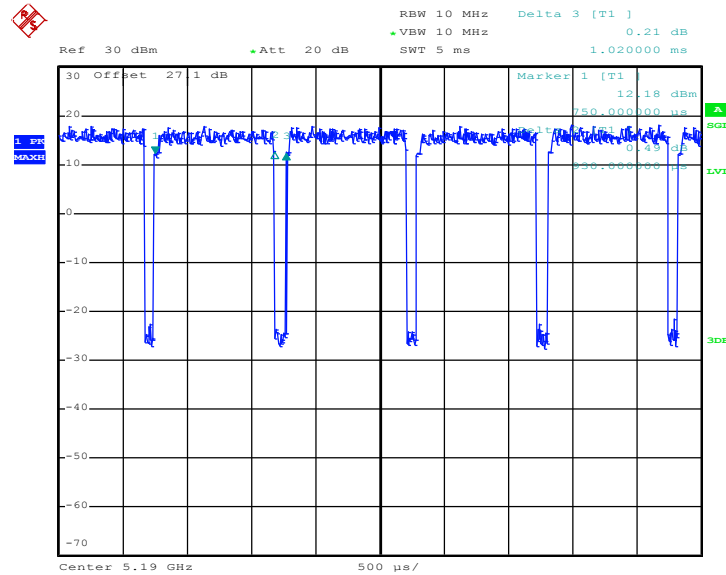
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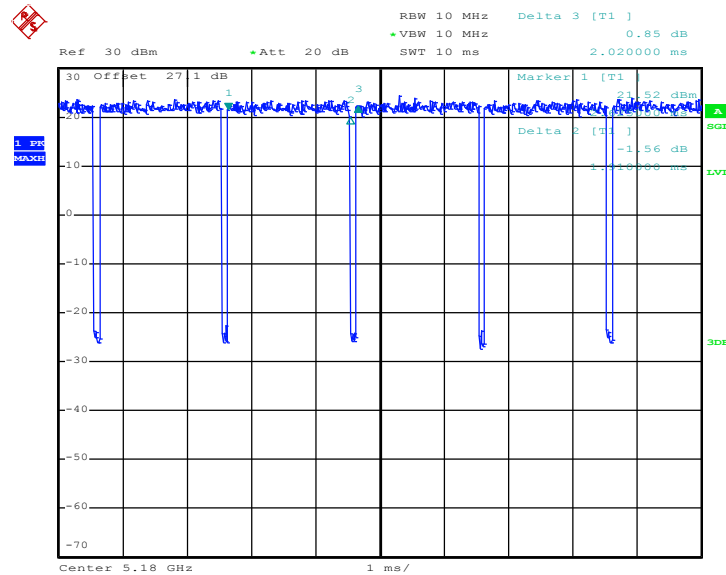
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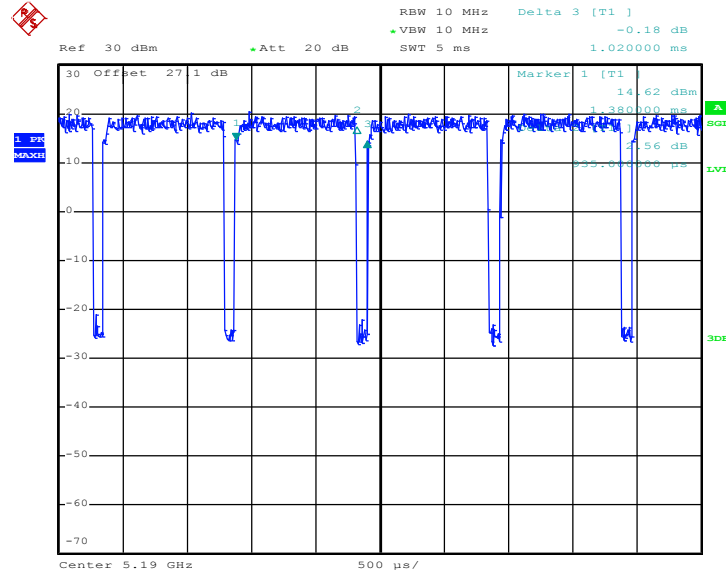
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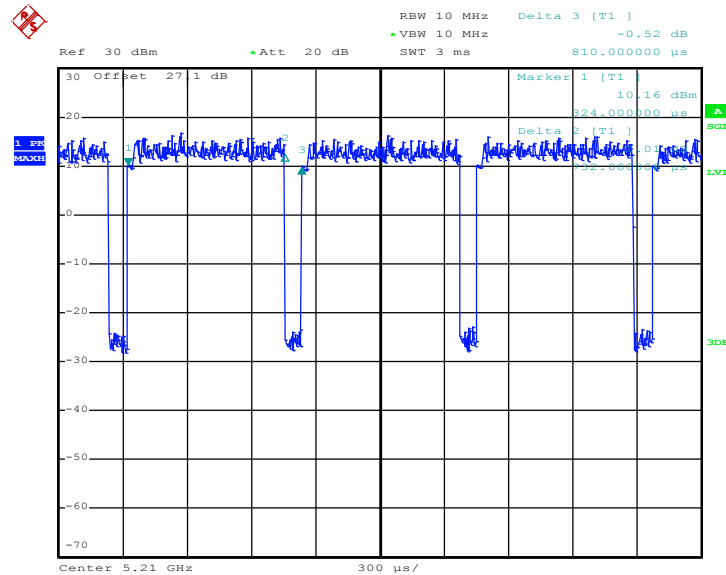
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Date: 16.MAY.2019 20:32:46

802.11ac VHT80



Date: 15.MAY.2019 12:04:32