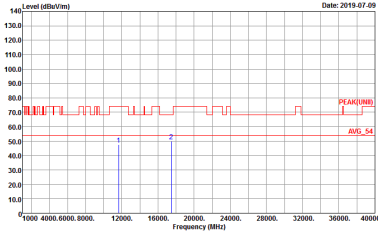
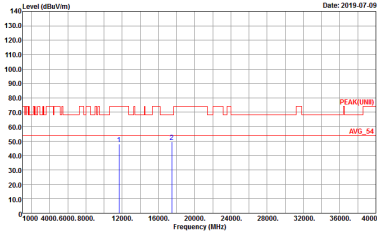
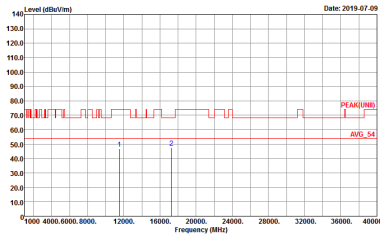
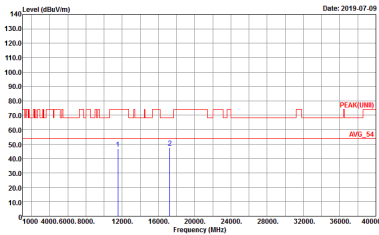


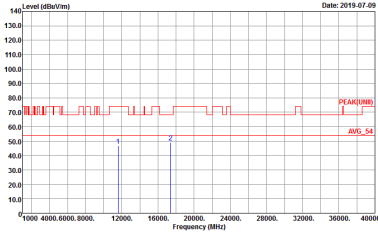
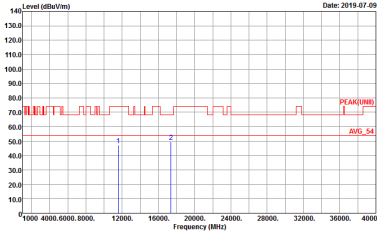


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 152 Power : 19.5</p></div>	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 152 Power : 19.5</p></div>

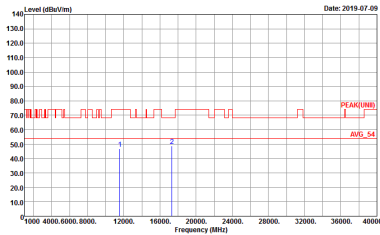
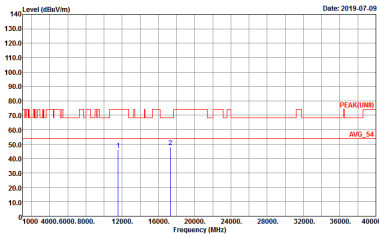
Band 4 5725~5850MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 153 Power : 19</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 153 Power : 19</p>

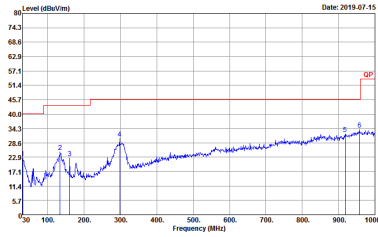
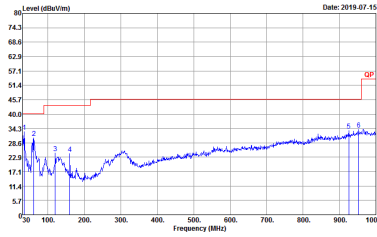


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 154 Power : 19</p></div>	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 154 Power : 19</p></div>

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.	 <p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 155 Power : 19 </p>	 <p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 155 Power : 19 </p>

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

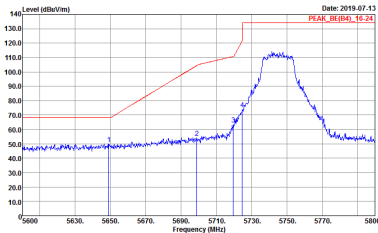
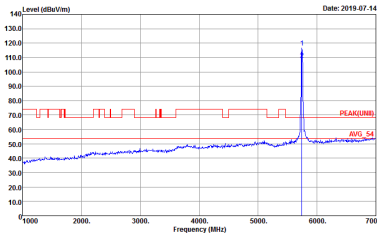
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1+2	Horizontal	Vertical
QP / Peak	 <p>Site : 03CH13-HY Condition : QP 3m BTL06_40103 HORIZONTAL Detector : Peak Project : 911635 Mode : 159</p>	 <p>Site : 03CH13-HY Condition : QP 3m BTL06_40103 VERTICAL Detector : Peak Project : 911635 Mode : 159</p>



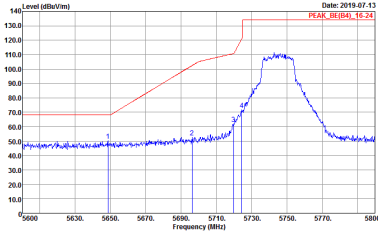
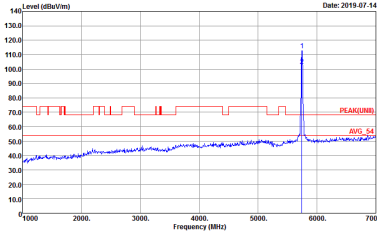
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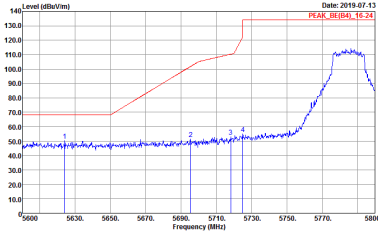
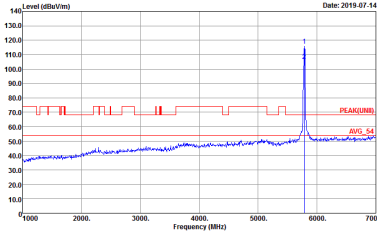
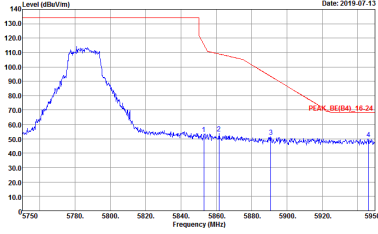
Band 4 - 5725~5850MHz

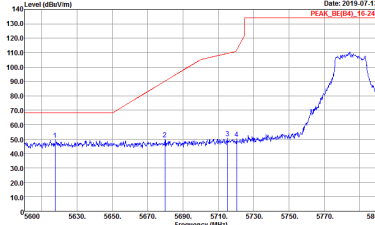
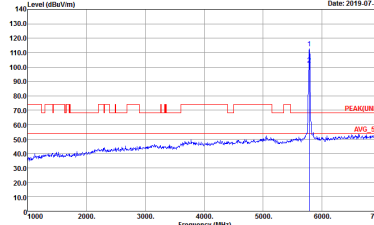
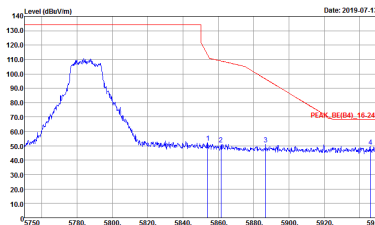
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 911635 Mode : 108 Power : 20</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 911635 Mode : 108 Power : 20</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak Avg.	<div><p>Site : 03CH13-1V Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911635 Mode : 108 Power : 20</p></div>	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911635 Mode : 108 Power : 20</p></div>

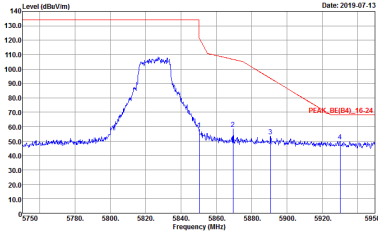
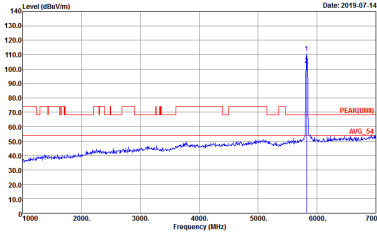
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>	 <p>Site : 03CH13-1HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>	 <p>Site : 03CH13-1HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>	Left blank

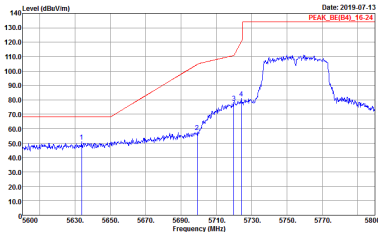
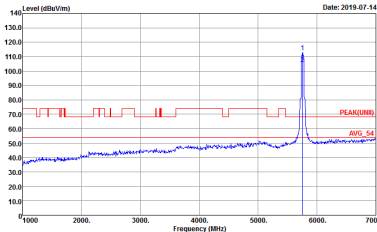
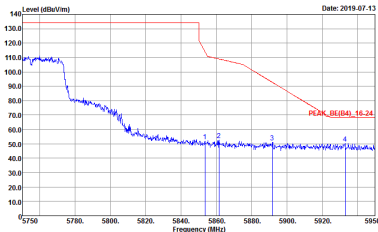


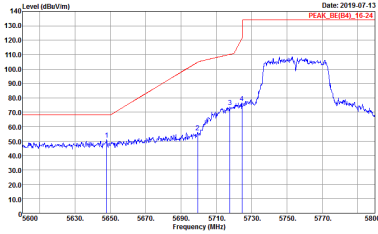
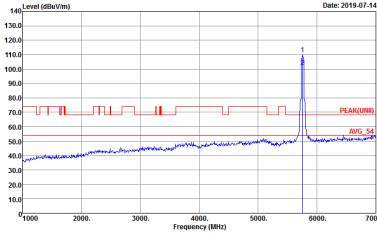
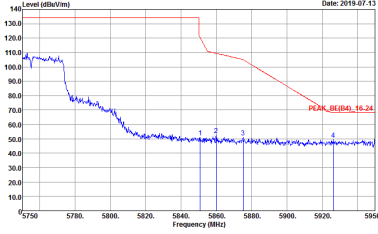
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	<div><p>Site : 03CH13-IV Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p></div>	<div><p>Site : 03CH13-IV Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p></div>

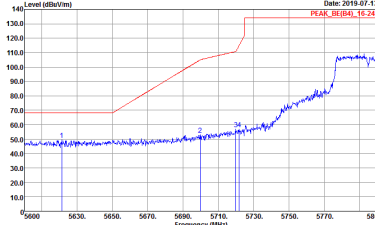
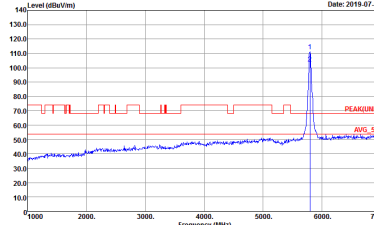
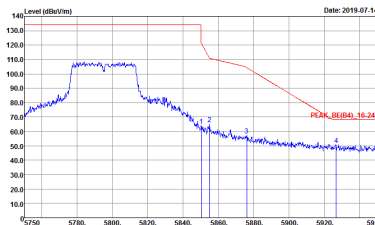


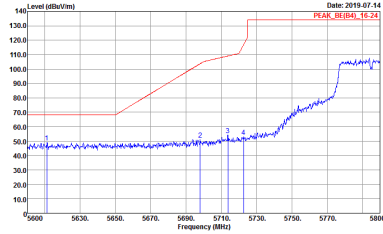
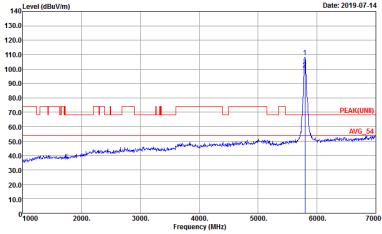
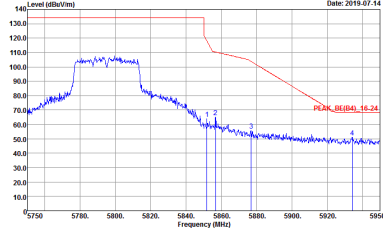
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak Avg.	<div><p>Site : 03CH13-1V Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p></div>	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p></div>

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

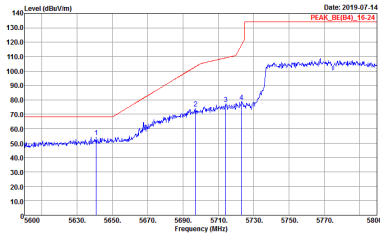
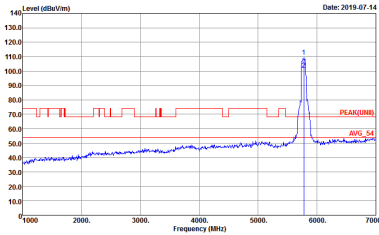
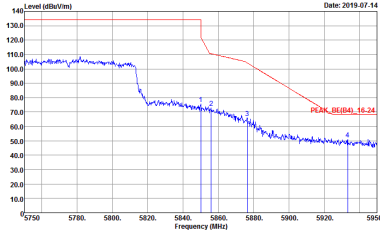
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911635 Mode : 111 Power : 20</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911635 Mode : 111 Power : 20</p>
	 <p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911635 Mode : 111 Power : 20</p>	Left blank

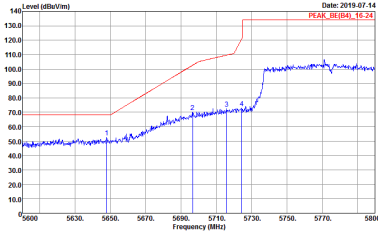
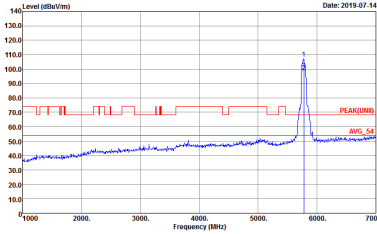
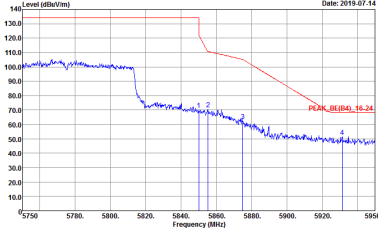
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 111 Power : 20</p>	 <p>Site : 03CH13-1HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 111 Power : 20</p>
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 111 Power : 20</p>	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 <p> Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 112 Power : 20 </p>	 <p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 112 Power : 20 </p>
Peak	 <p> Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 112 Power : 20 </p>	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 112 Power : 20</p>	 <p>Site : 03CH13-1HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 112 Power : 20</p>
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 112 Power : 20</p>	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	 <p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 113 Power : 20</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 113 Power : 20</p>
	 <p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 113 Power : 20</p>	Left blank

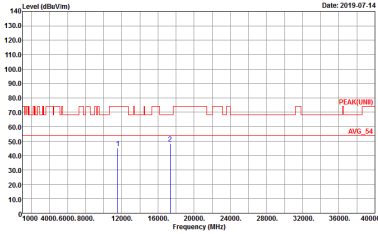
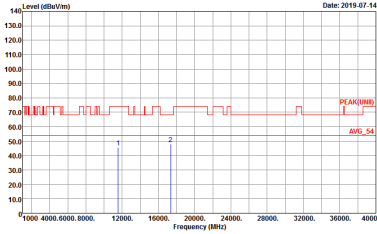
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 113 Power : 20</p>	 <p>Site : 03CH13-1HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 113 Power : 20</p>
Peak	 <p>Site : 03CH13-1HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 113 Power : 20</p>	Left blank



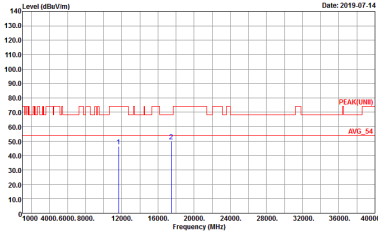
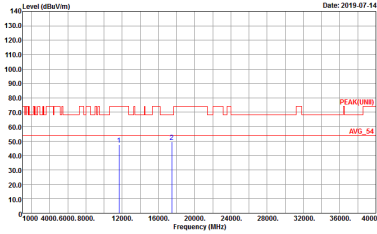
Band 4 - 5725~5850MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	<div><p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 911635 Mode : 108 Power : 20</p></div>	<div><p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 911635 Mode : 108 Power : 20</p></div>

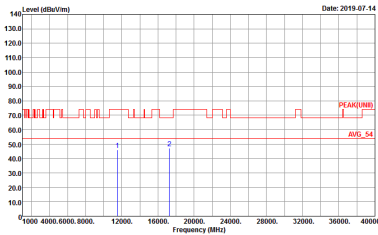
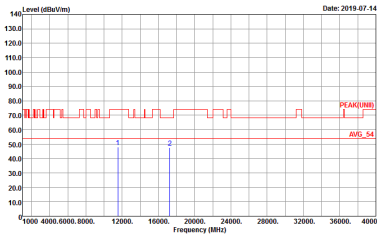


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p></div>	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p></div>

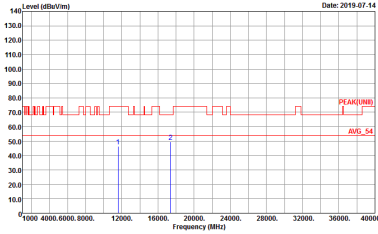
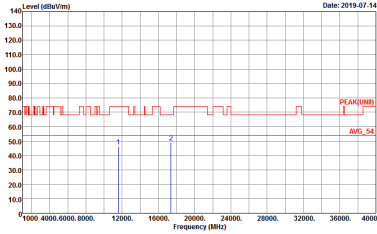


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p></div>	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p></div>

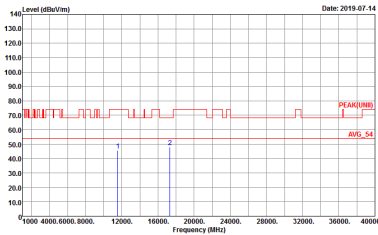
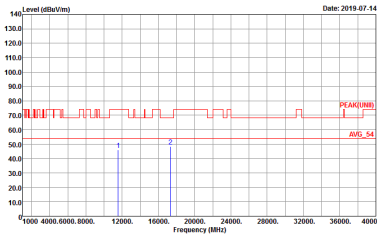
Band 4 5725~5850MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 111 Power : 20 </p>	 <p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 111 Power : 20 </p>

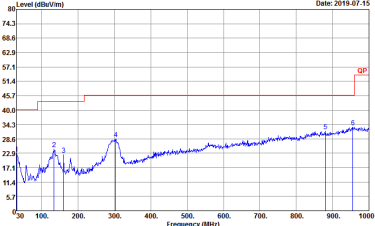
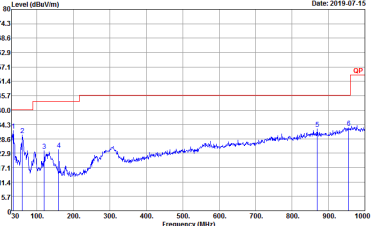


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 112 Power : 20</p></div>	<div><p>Site : 03CH13-1V Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 112 Power : 20</p></div>

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.	 <p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 113 Power : 20 </p>	 <p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 113 Power : 20 </p>

Emission below 1GHz
5GHz WIFI 802.11ac VHT20 (LF)

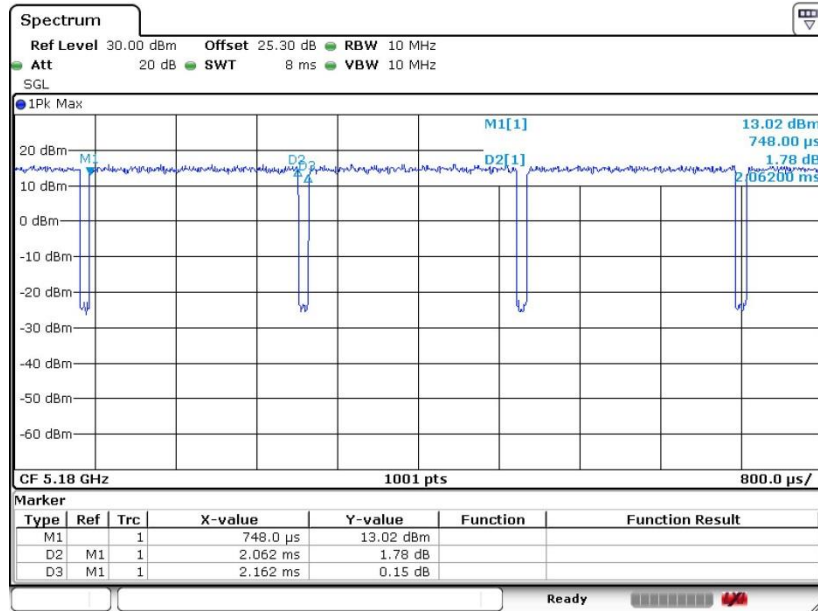
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT20 LF	
1+2	Horizontal	Vertical
QP / Peak	 <p> Site : 03CH13-HY Condition : QP 3m B1LOG_40103 HORIZONTAL Detector : Peak Project : 911635 Mode : 158 </p>	 <p> Site : 03CH13-HY Condition : QP 3m B1LOG_40103 VERTICAL Detector : Peak Project : 911635 Mode : 158 </p>

Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11a	95.37	2062	0.48	1kHz	0.21
2	802.11a	95.76	2076	0.48	1kHz	0.19
1+2	802.11a for Ant 1	95.65	2068	0.48	1kHz	0.19
1+2	802.11a for Ant 2	95.74	2070	0.48	1kHz	0.19
1	5GHz 802.11n HT20	94.96	1920	0.52	1kHz	0.22
2	5GHz 802.11n HT20	94.65	1912	0.52	1kHz	0.24
1+2	5GHz 802.11n HT20 for Ant 1	95.07	1928	0.52	1kHz	0.22
1+2	5GHz 802.11n HT20 for Ant 2	95.07	1928	0.52	1kHz	0.22
1	5GHz 802.11n HT40	93.77	1536	0.65	1kHz	0.28
2	5GHz 802.11n HT40	93.80	1544	0.65	1kHz	0.28
1+2	5GHz 802.11n HT40 for Ant 1	93.90	1542	0.65	1kHz	0.27
1+2	5GHz 802.11n HT40 for Ant 2	93.80	1542	0.65	1kHz	0.28
1	5GHz 802.11ac VHT20	95.17	1932	0.52	1kHz	0.21
2	5GHz 802.11ac VHT20	95.09	1938	0.52	1kHz	0.22
1+2	5GHz 802.11ac VHT20 for Ant 1	95.07	1930	0.52	1kHz	0.22
1+2	5GHz 802.11ac VHT20 for Ant 2	95.47	1940	0.52	1kHz	0.20
1	5GHz 802.11ac VHT40	94.49	1542	0.65	1kHz	0.25
2	5GHz 802.11ac VHT40	94.48	1540	0.65	1kHz	0.25
1+2	5GHz 802.11ac VHT40 for Ant 1	94.72	1542	0.65	1kHz	0.24
1+2	5GHz 802.11ac VHT40 for Ant 2	94.01	1538	0.65	1kHz	0.27
1	5GHz 802.11ac VHT80	88.13	735	1.36	3kHz	0.55
2	5GHz 802.11ac VHT80	87.81	735	1.36	3kHz	0.56
1+2	5GHz 802.11ac VHT80 for Ant 1	89.42	735	1.36	3kHz	0.49
1+2	5GHz 802.11ac VHT80 for Ant 2	88.13	735	1.36	3kHz	0.55

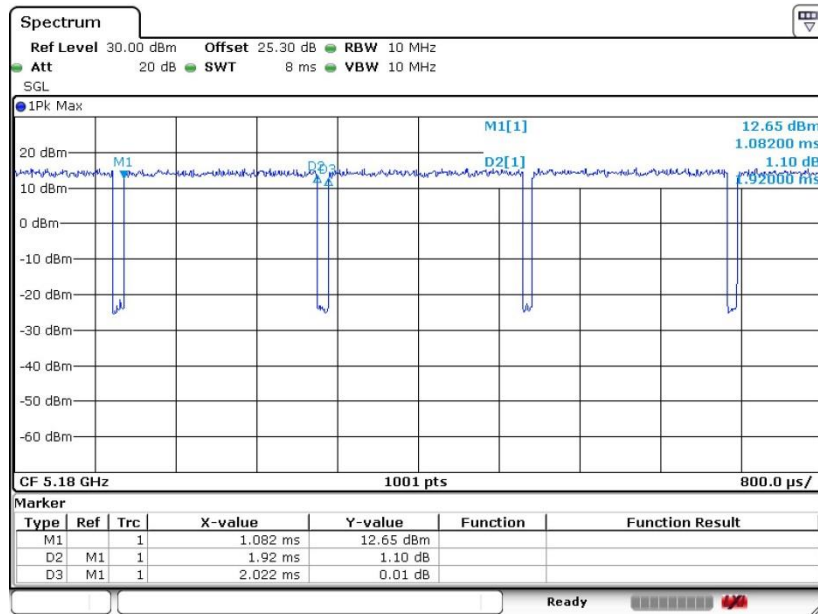
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802.11a

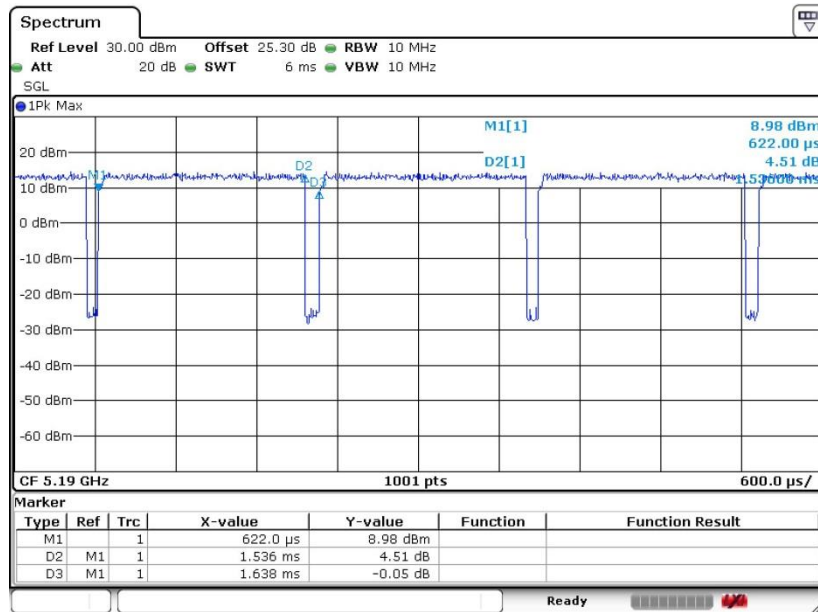


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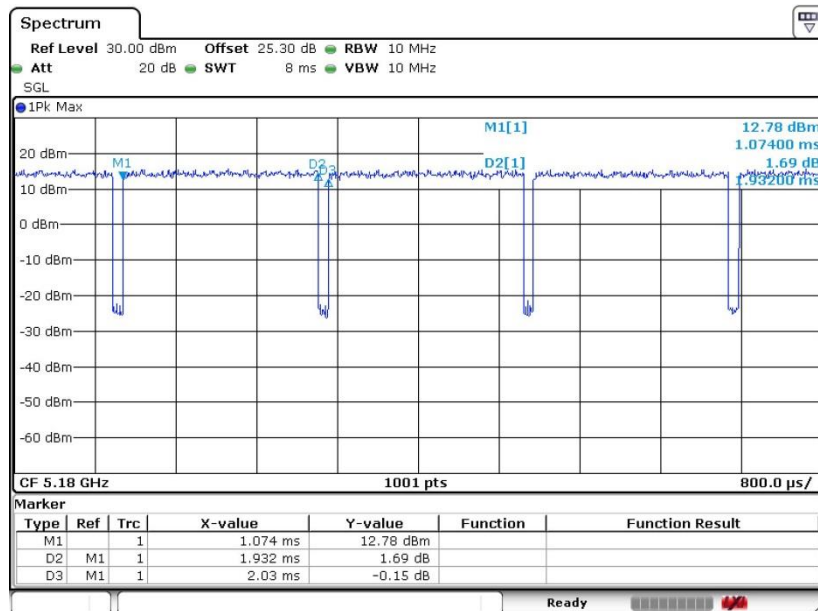
802.11n HT20



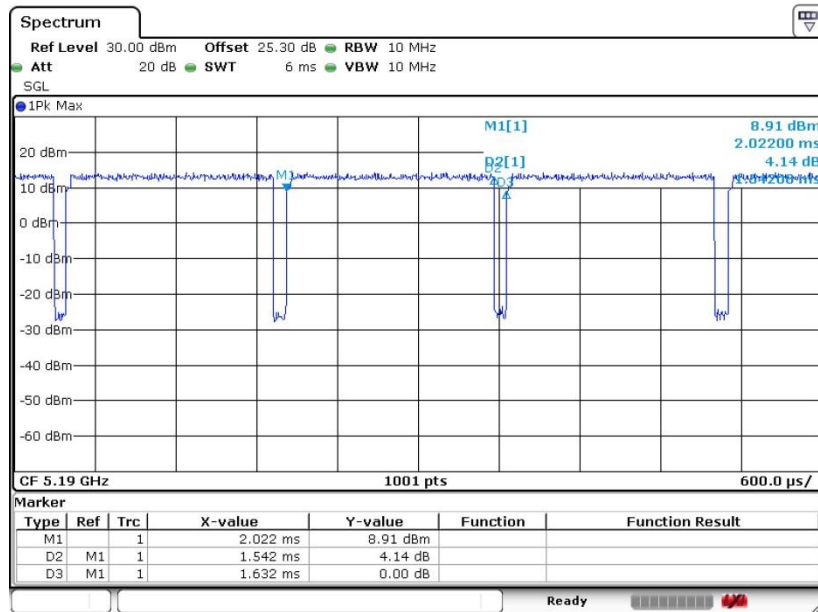
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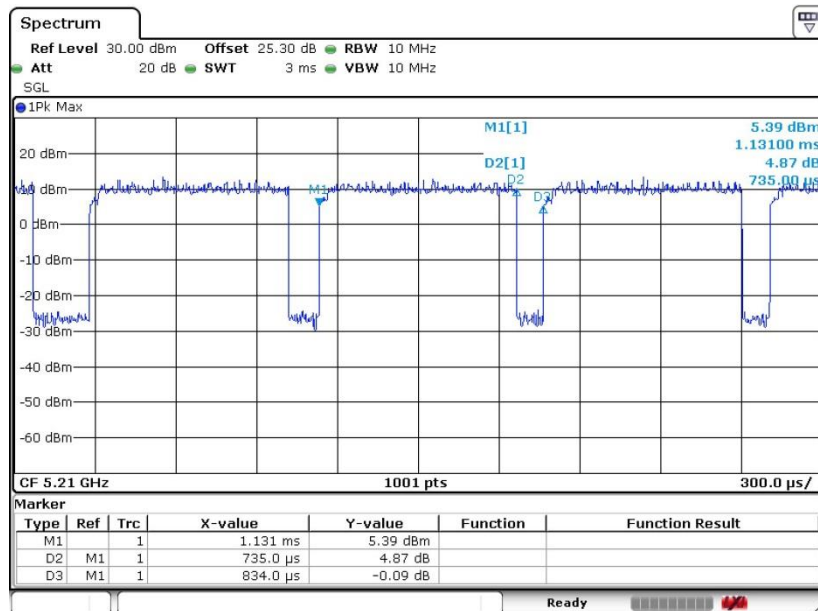
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802.11ac VHT20

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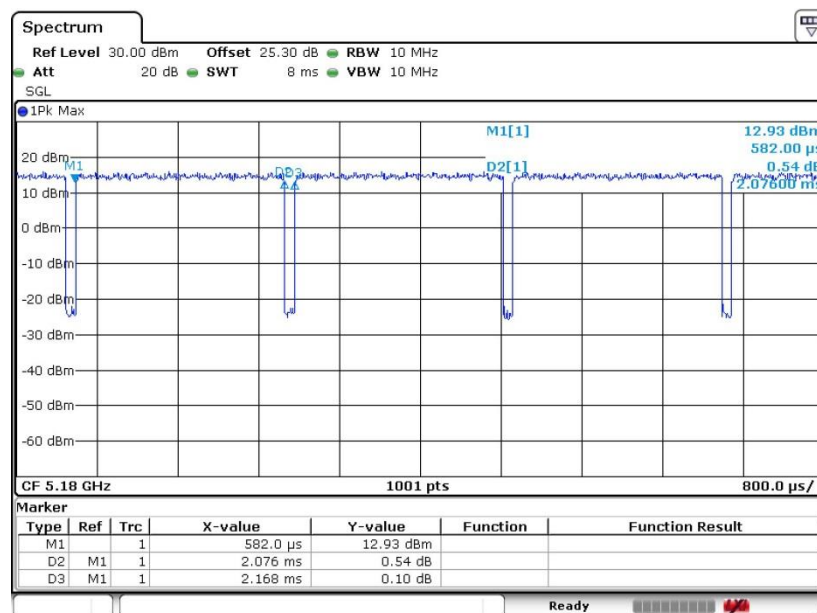
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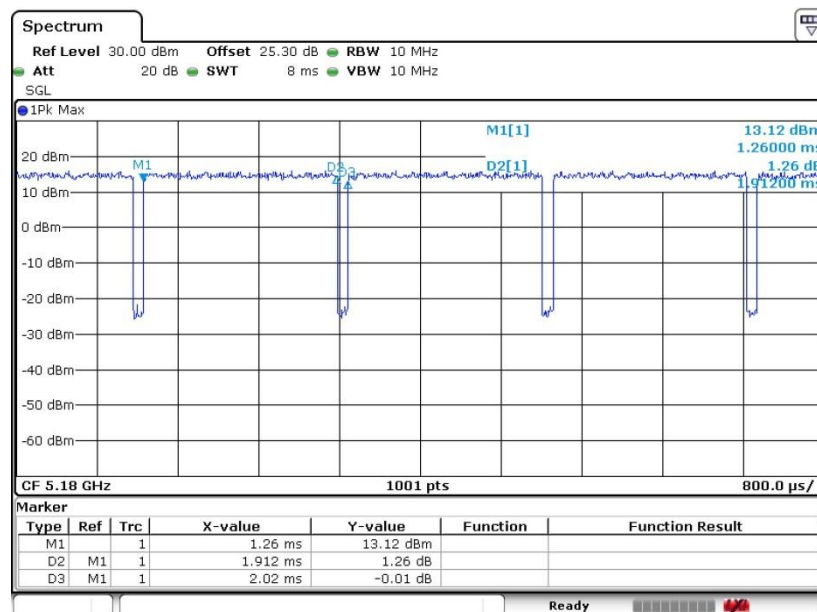
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802.11a

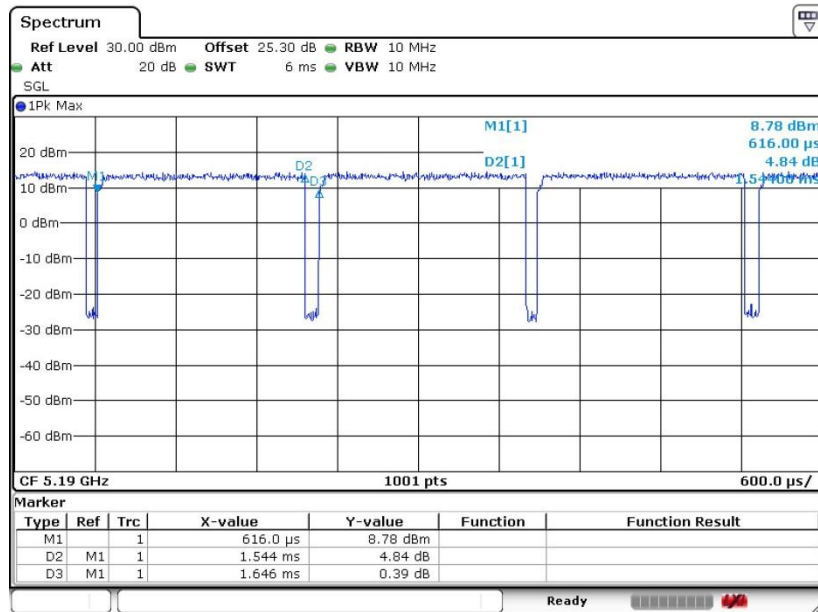


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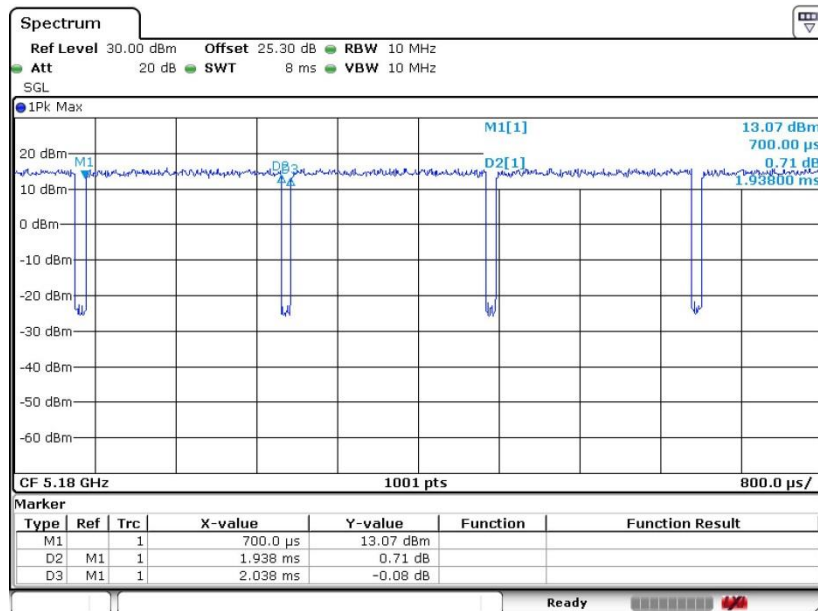
802.11n HT20



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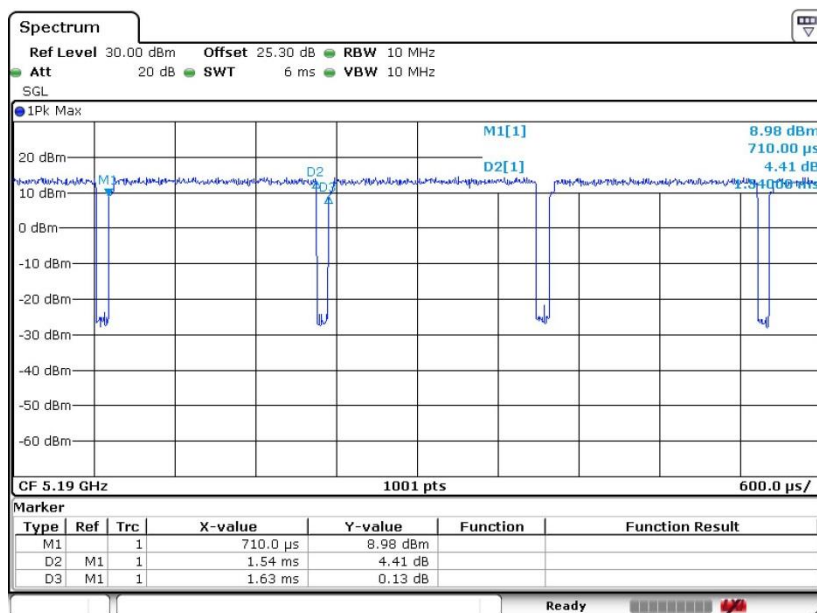
**802.11n HT40**

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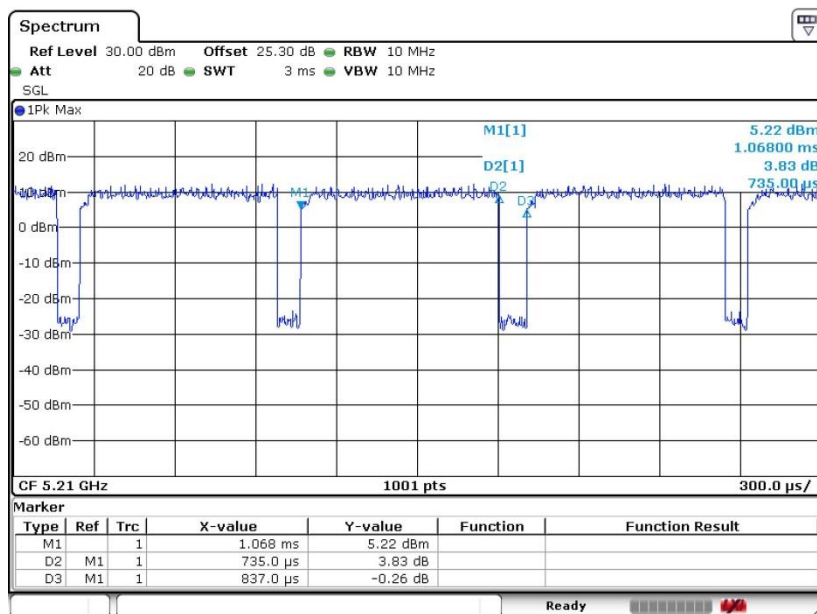
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802.11ac VHT40



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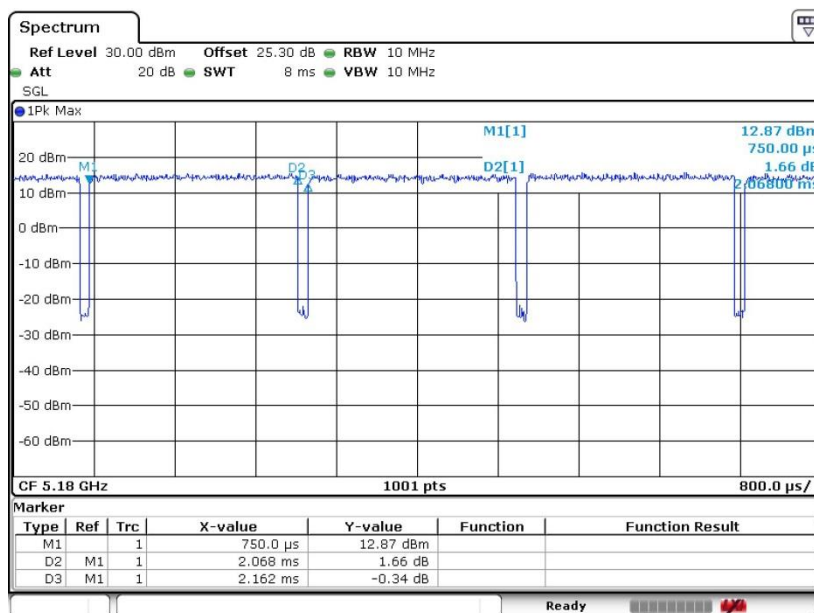


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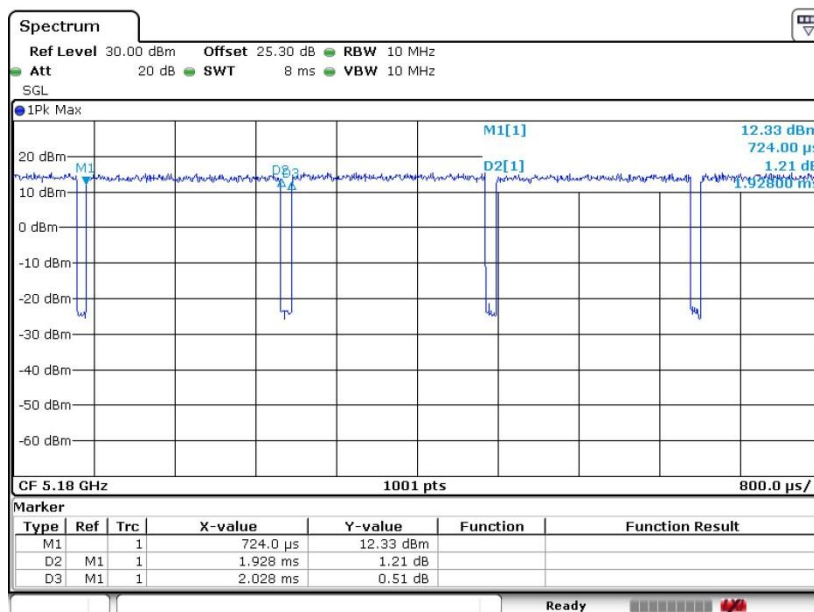
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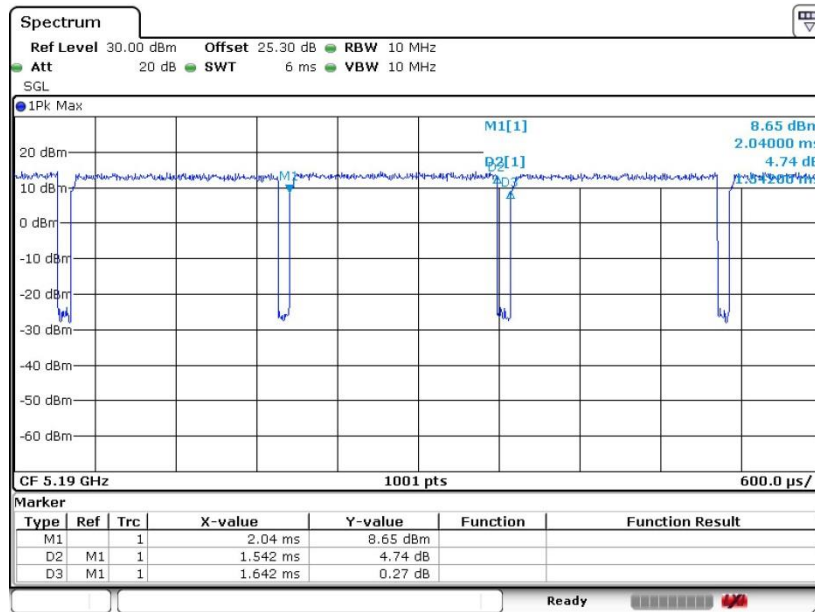


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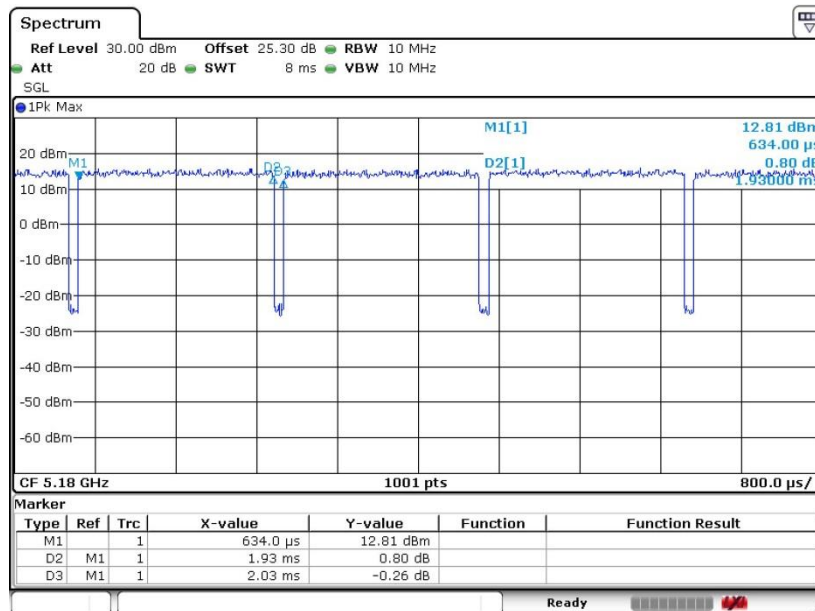
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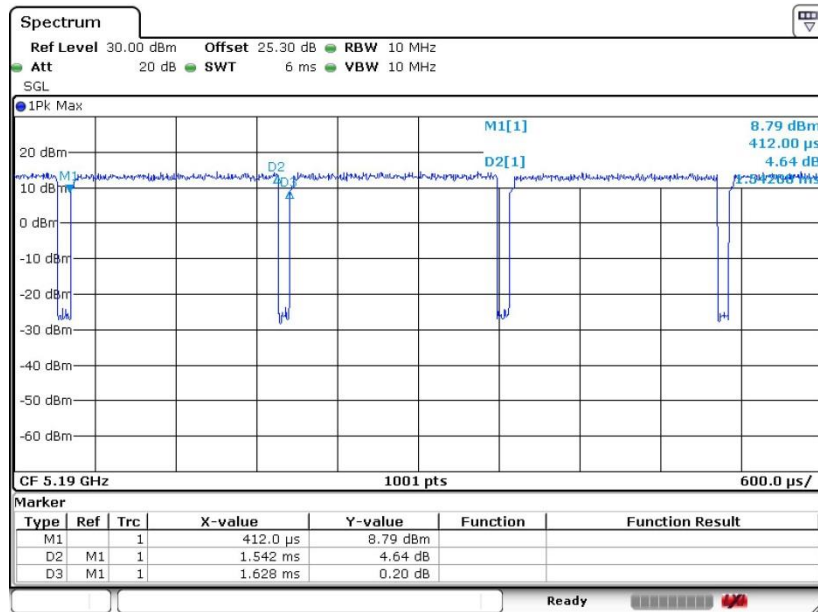
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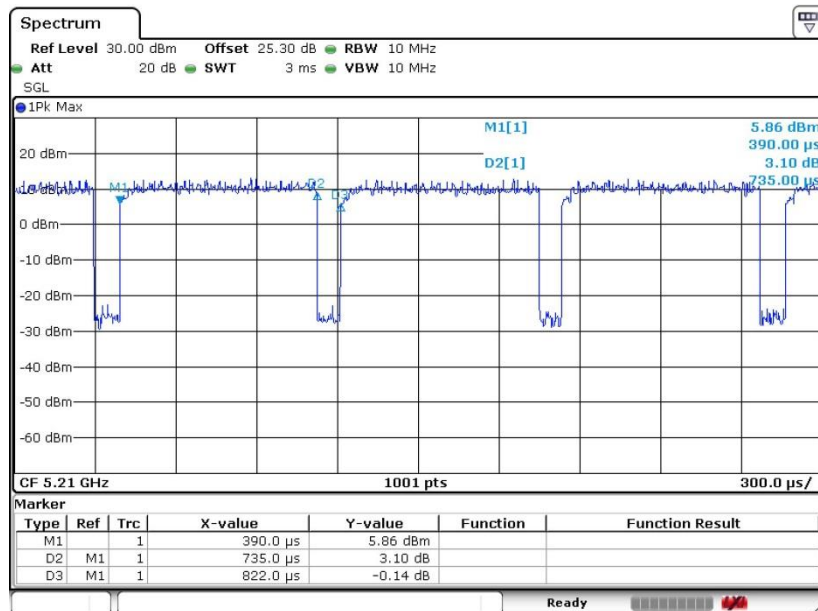
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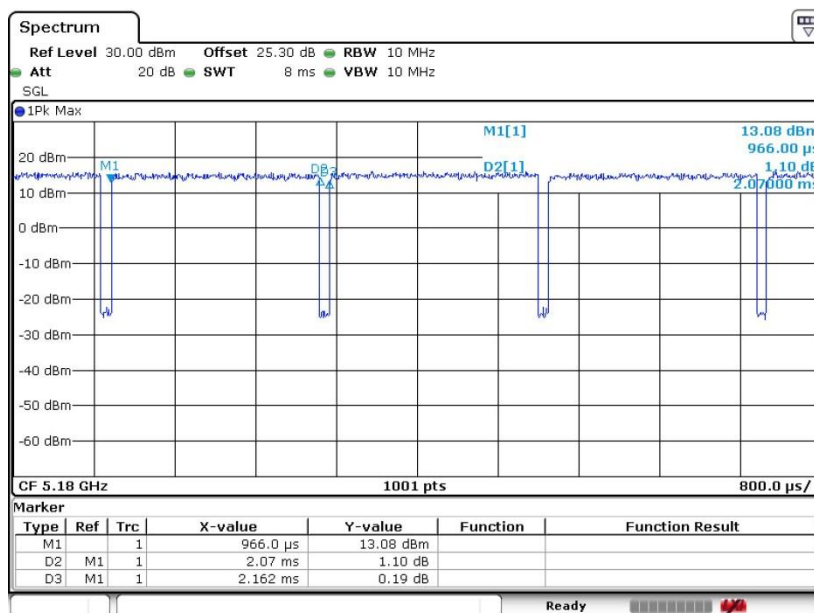


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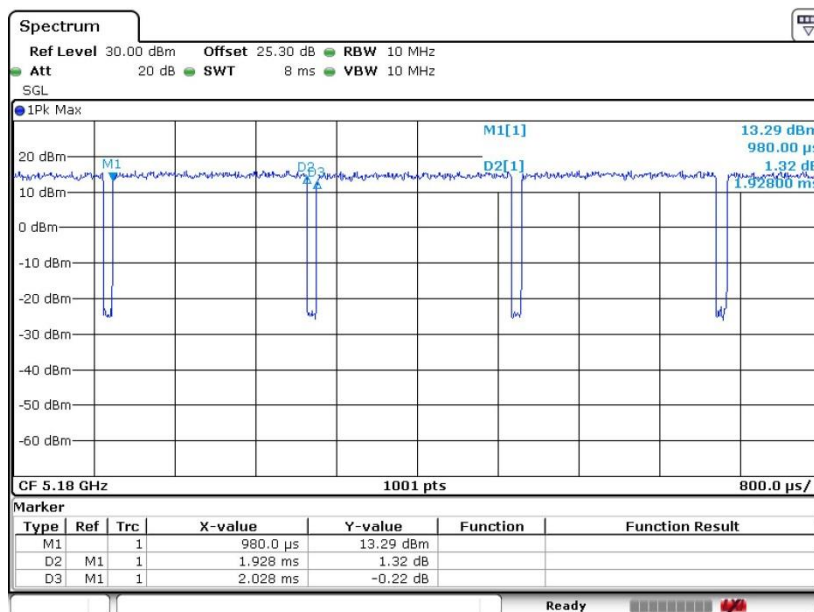
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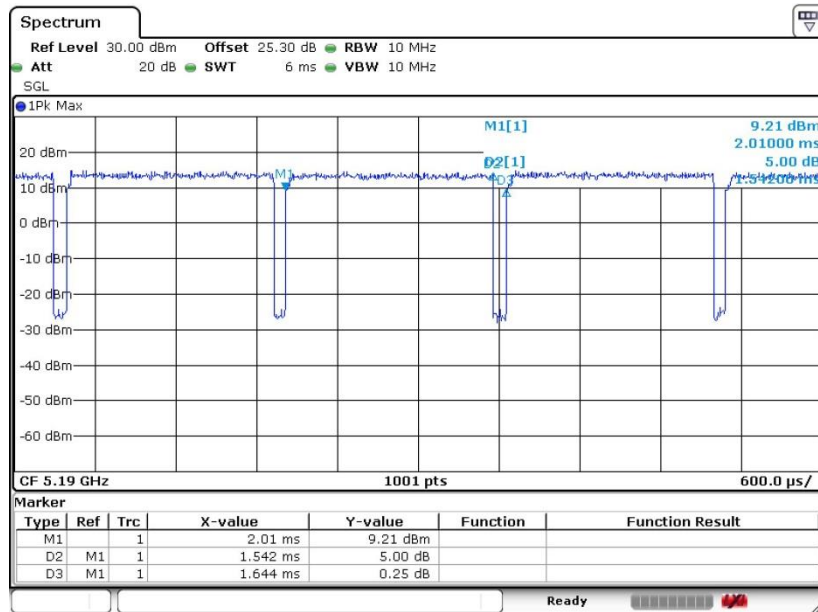


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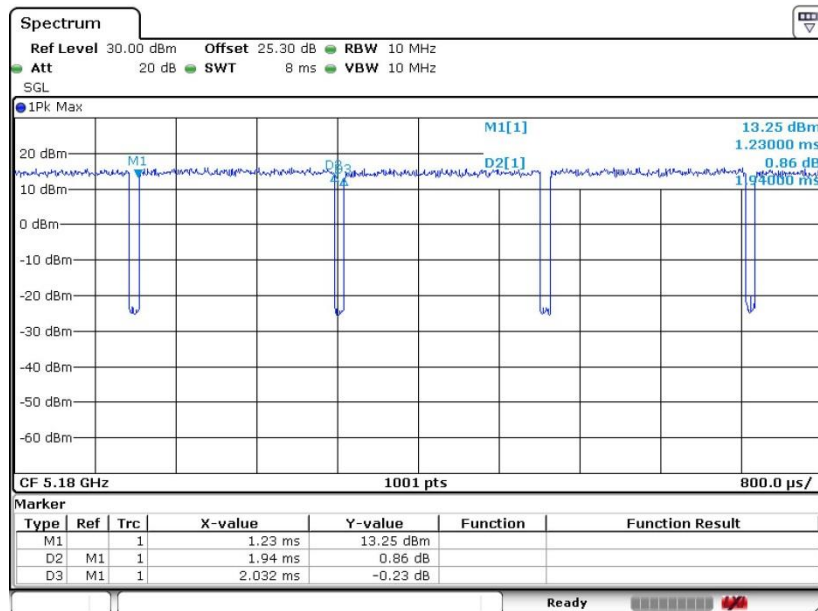
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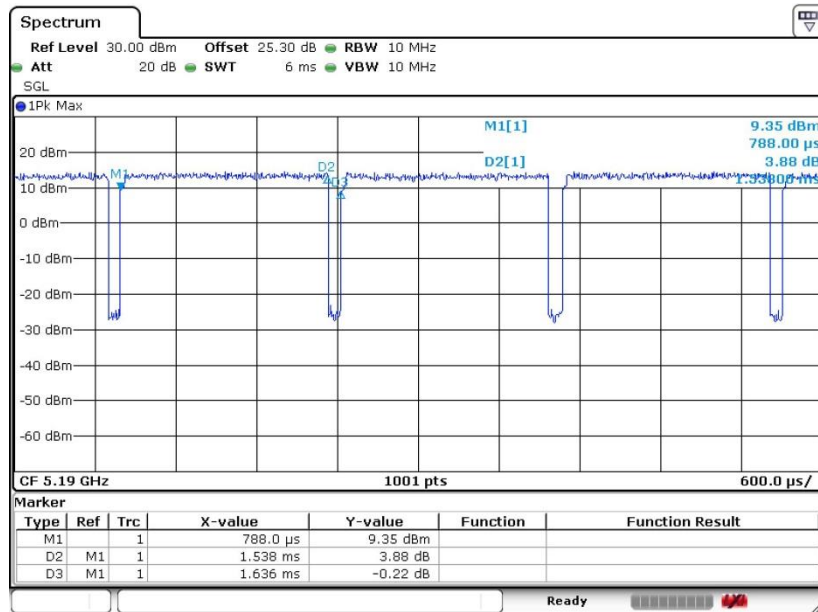
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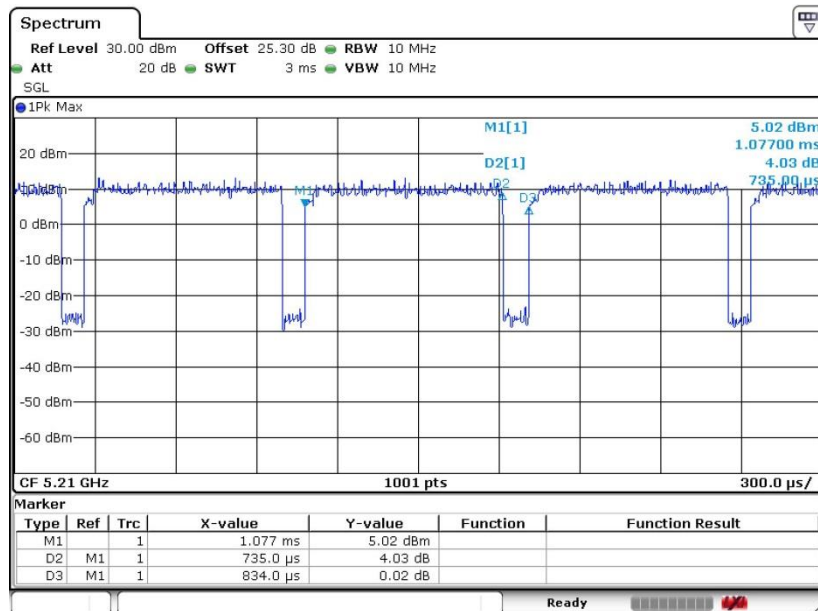
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802.11ac VHT20

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**802.11ac VHT40**

Date: 4.JUL.2019 06:54:28

802.11ac VHT80

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