



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 152 Power : 19.5</p>	<p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 152 Power : 19.5</p>



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.	<p>Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 154 Power : 19</p>	<p>Site : 03CH12-HV Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 154 Power : 19</p>



**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(LINE) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 155 Power : 19</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 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 B1LOG_40103 HORIZONTAL Detector : Peak Project : 911635 Mode : 159</p>	<p>Site : 03CH13-HY Condition : QP 3m B1LOG_40103 VERTICAL Detector : Peak Project : 911635 Mode : 159</p>



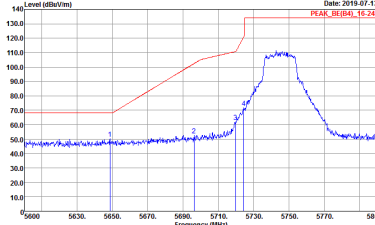
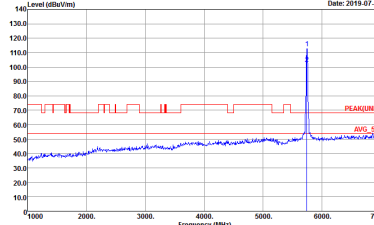
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Band 4 - 5725~5850MHz

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> Date: 2019.07.13 PEAK_BE(84)_16.32 </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 : 108 Power : 20 </p>	<p> Date: 2019.07.14 PEAK(LINB) AVG_CH </p> <p> Site : 03CH13-HY Condition : PEAK(LINII) 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
<p>Peak Avg.</p>	 <p>Date: 2019-07-13 PEAK: 8E(84)_16-24</p> <p>Site : 03CH12-HY Condition : PEAK_8E(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>	 <p>Date: 2019-07-14</p> <p>Site : 03CH12-HY 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>

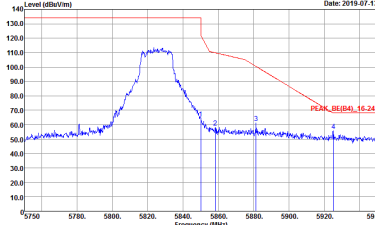
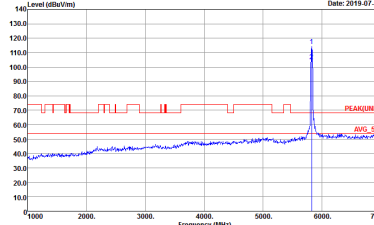


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>	Left blank

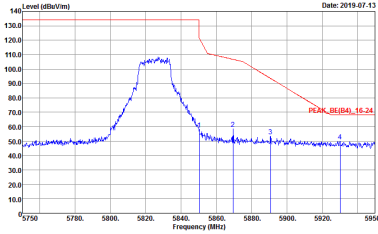
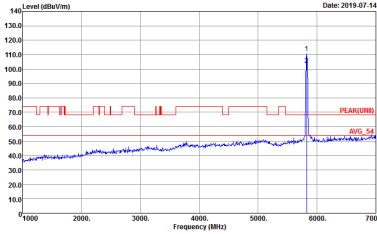


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>
Peak	<p>Site : 03CH13-HY 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	 <p>Date: 2019-07-13</p> <p>Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p>	 <p>Date: 2019-07-14</p> <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p>



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Vertical	Fundamental
<p>Peak Avg.</p>	 <p>Site : 03CH12-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p>



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 Detector : Peak Project : 911635 Mode : III Power : 20</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : III Power : 20</p>
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : III 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> Date: 2019-07-13 PEAK_BE(04)_15-20 </p> <p> Site : 03CH13-HY Condition : PEAK_BE(04)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 111 Power : 20 </p>	<p> Date: 2019-07-14 PEAK(04)_15-20 </p> <p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 111 Power : 20 </p>
Peak	<p> Date: 2019-07-13 PEAK_BE(04)_16-24 </p> <p> Site : 03CH13-HY Condition : PEAK_BE(04)_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-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 112 Power : 20 </p>	<p> Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 112 Power : 20 </p>
Peak	<p> Site : 03CH13-HY Condition : PEAK_BE(B4)_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(B4)_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>
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(B4)_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
<p>Peak</p>	<p>Date: 2019-07-14 PEAK_BE(84)_15-20</p> <p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911635 Mode : 113 Power : 20</p>	<p>Date: 2019-07-14 PEAK(84)_15-20</p> <p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911635 Mode : 113 Power : 20</p>
<p>Peak</p>	<p>Date: 2019-07-14 PEAK_BE(84)_16-24</p> <p>Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1212 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911635 Mode : 113 Power : 20</p>	<p>Left blank</p>



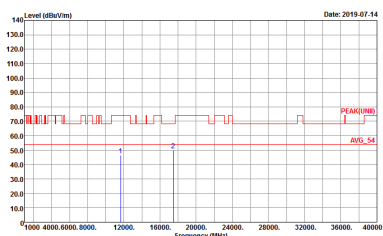
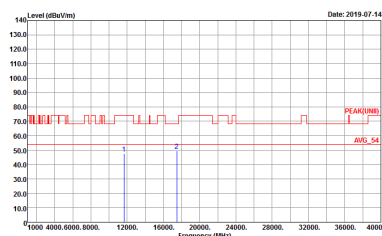
Band 4 - 5725~5850MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

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



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>	<p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 109 Power : 20</p>



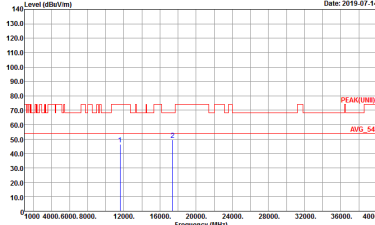
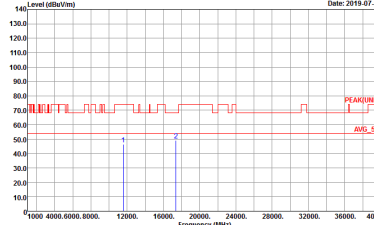
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ANT	802.11ac VHT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak Project : 911635 Mode : 110 Power : 20</p>



**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(LINE) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 111 Power : 20</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 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.	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL Detector : Peak Project : 911635 Mode : 112 Power : 20</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL Detector : Peak Project : 911635 Mode : 112 Power : 20</p>



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>



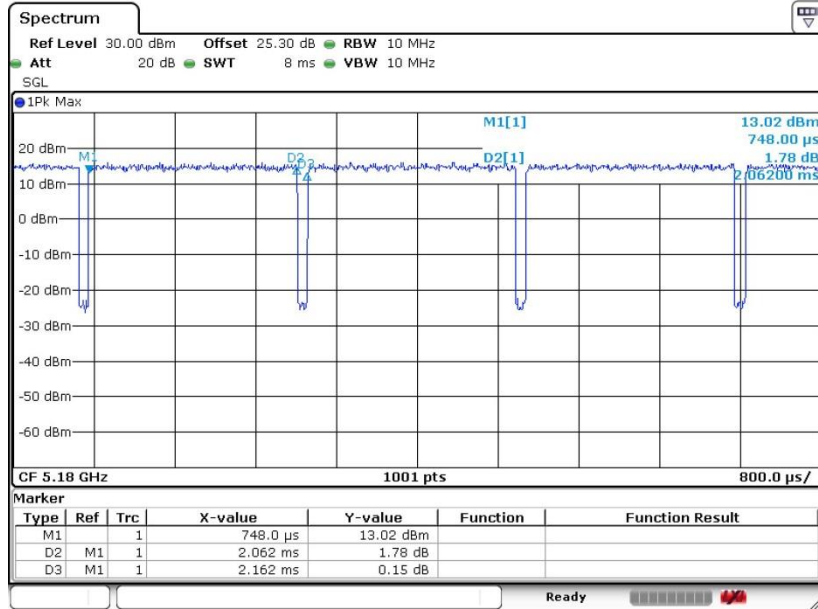
Appendix D. Duty Cycle Plots

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



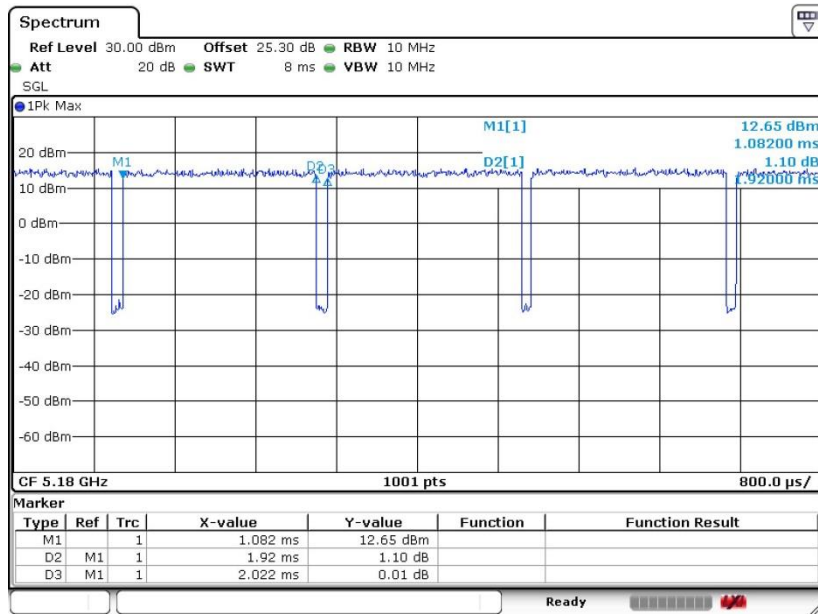
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802.11a



Date: 4.JUL.2019 04:42:11

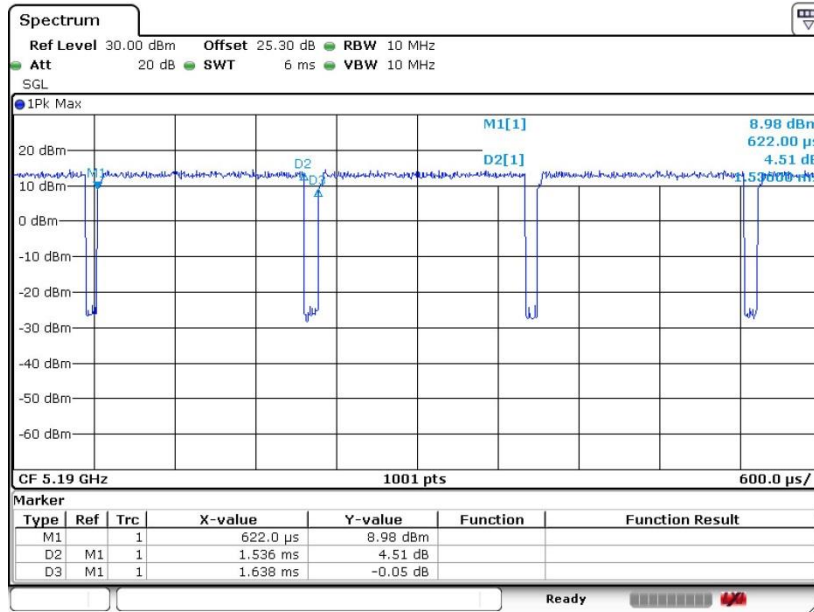
802.11n HT20



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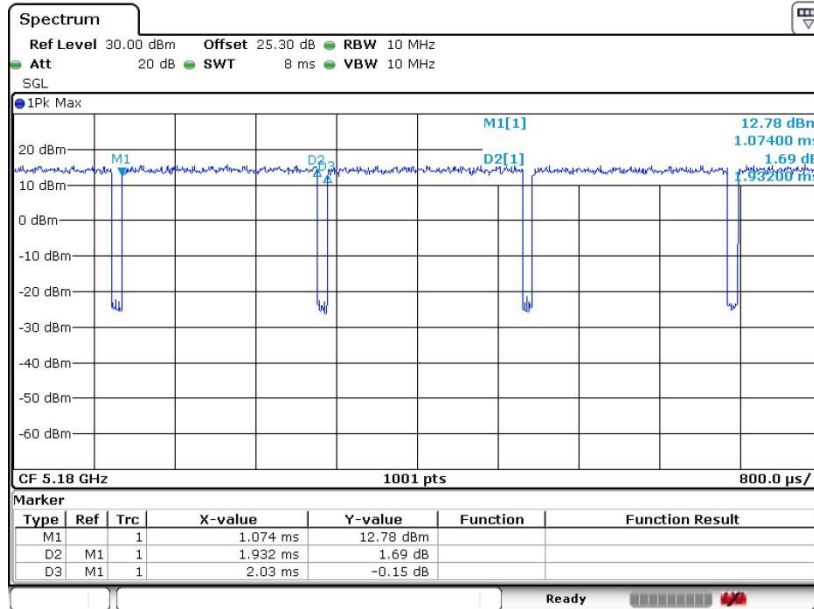


802.11n HT40



Date: 4.JUL.2019 06:39:25

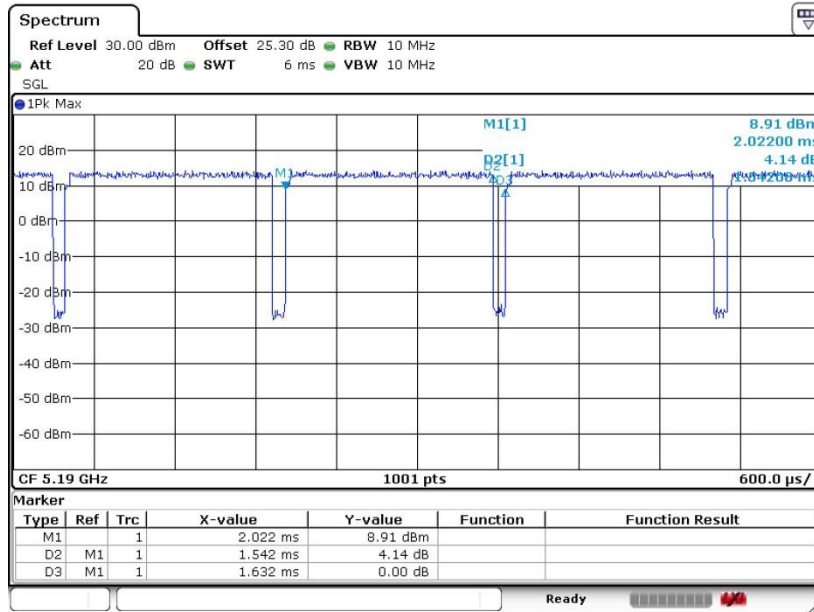
802.11ac VHT20



Date: 4.JUL.2019 05:36:53

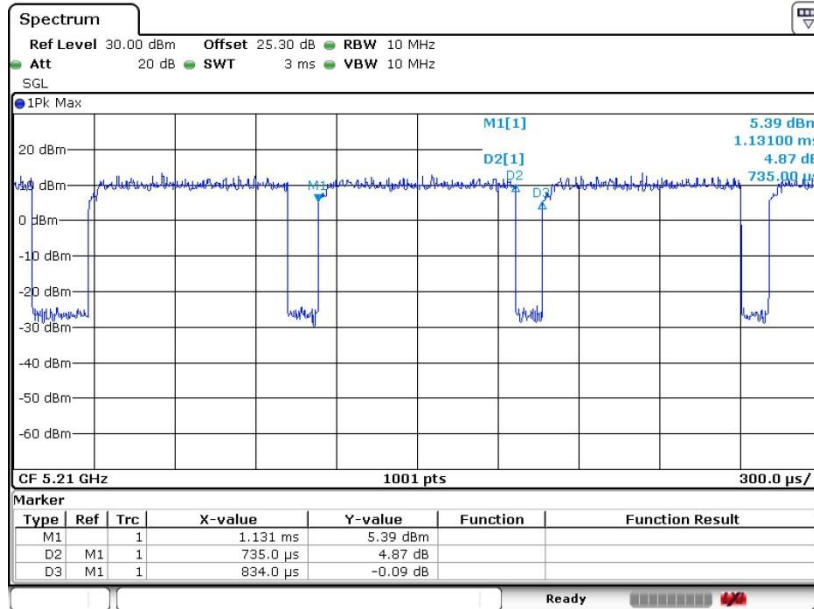


802.11ac VHT40



Date: 4.JUL.2019 06:50:51

802.11ac VHT80

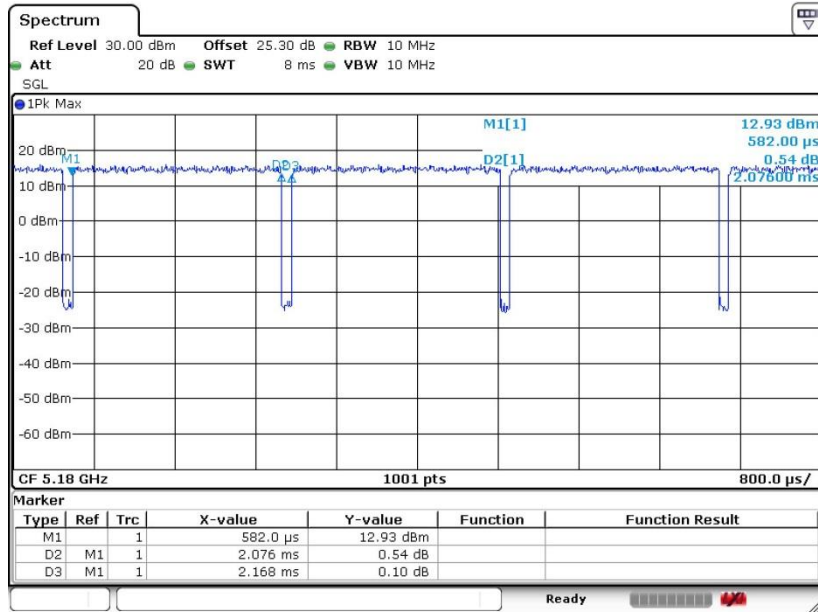


Date: 4.JUL.2019 07:39:16



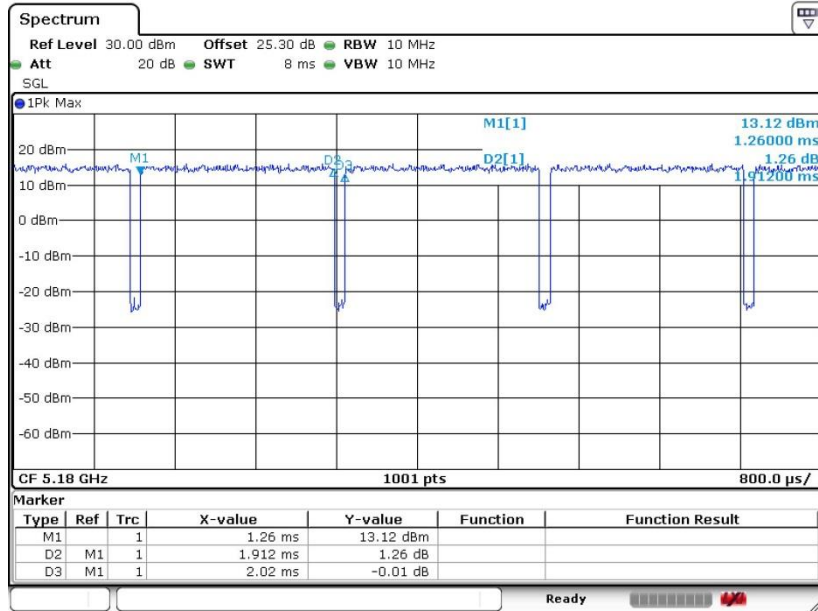
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802.11a



Date: 4.JUL.2019 04:44:43

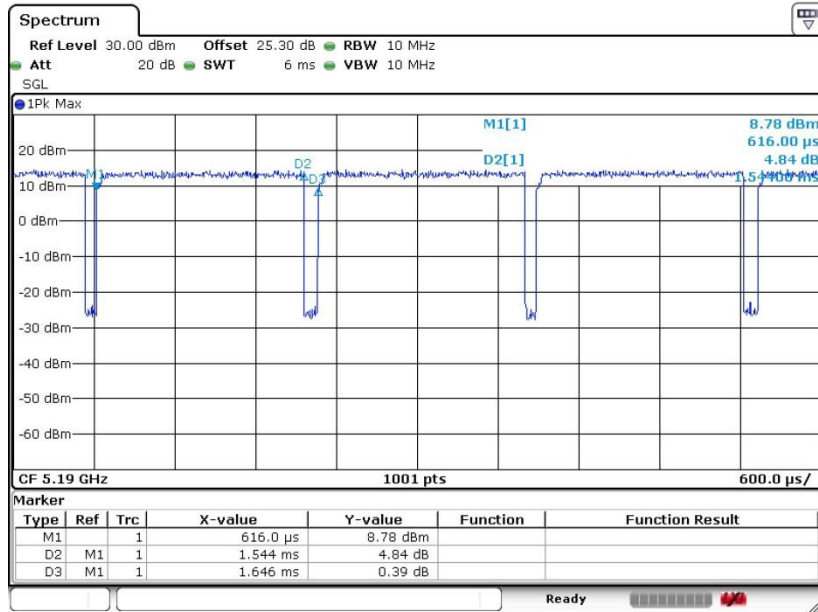
802.11n HT20



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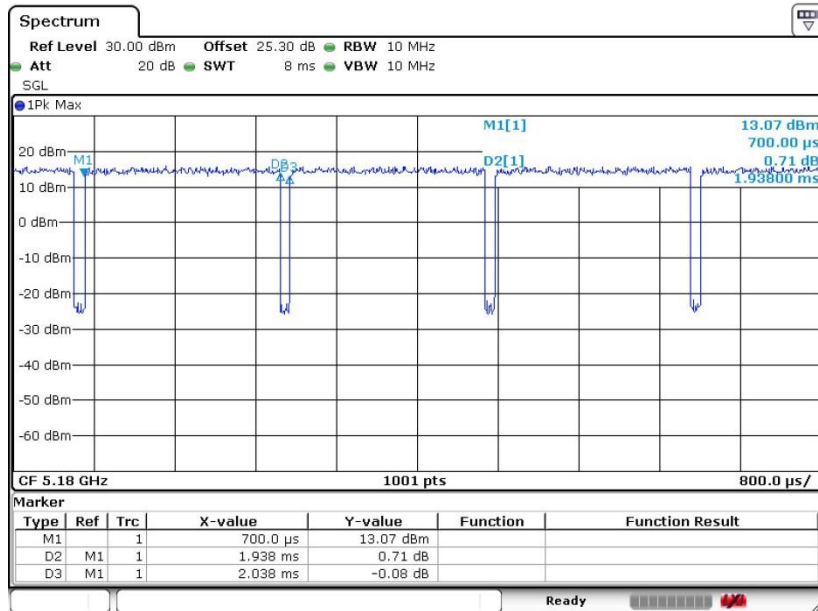


802.11n HT40



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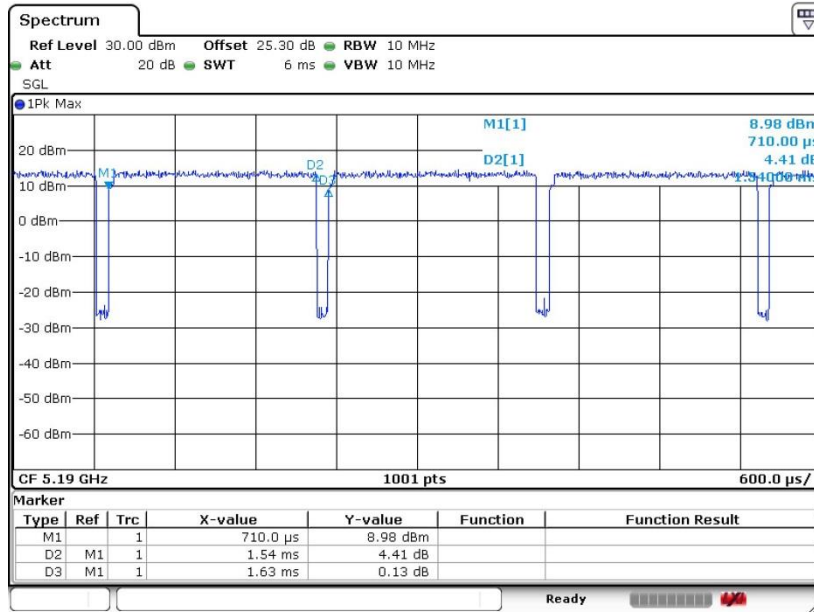
802.11ac VHT20



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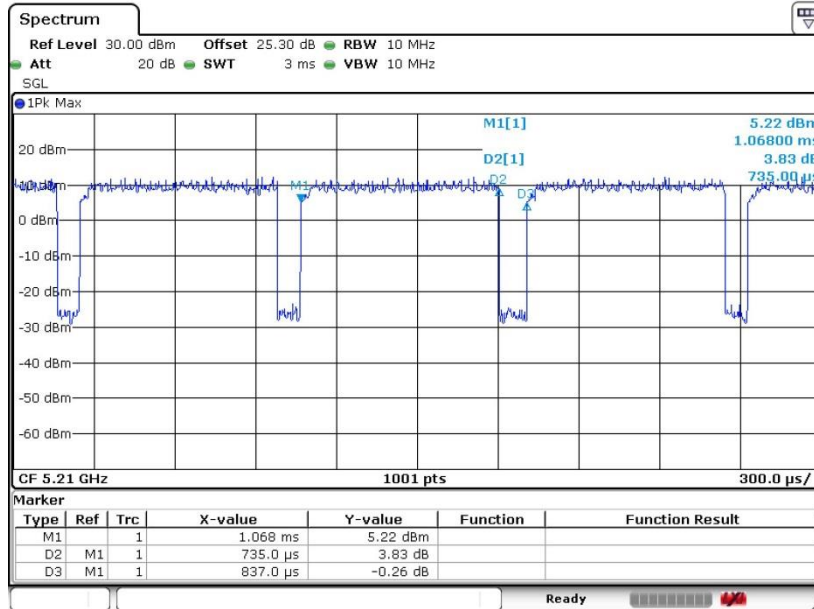


802.11ac VHT40



Date: 4.JUL.2019 06:51:53

802.11ac VHT80

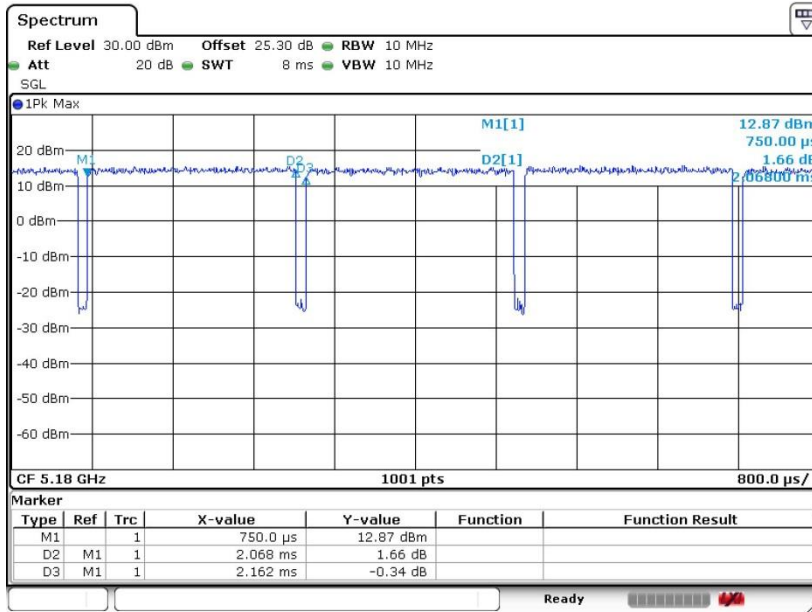


Date: 4.JUL.2019 07:40:30



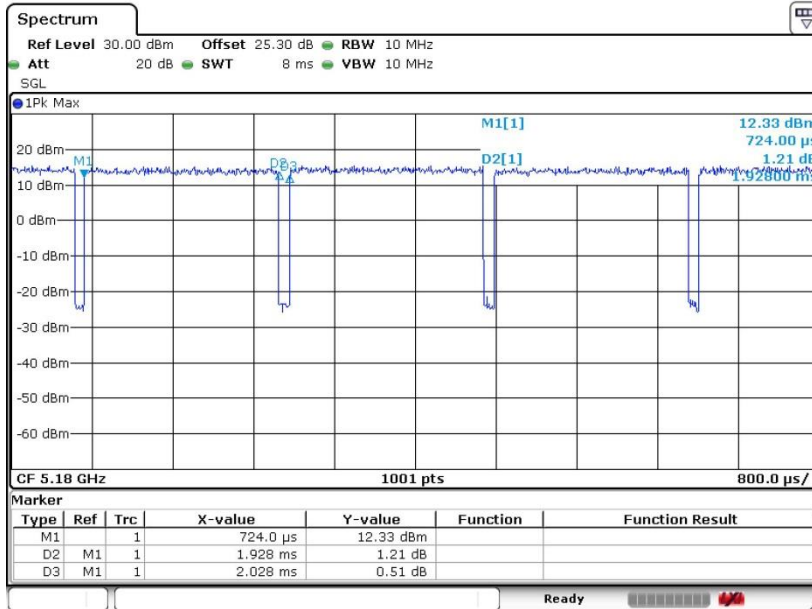
MIMO <Ant. 1>

802.11 a



Date: 4.JUL.2019 04:46:18

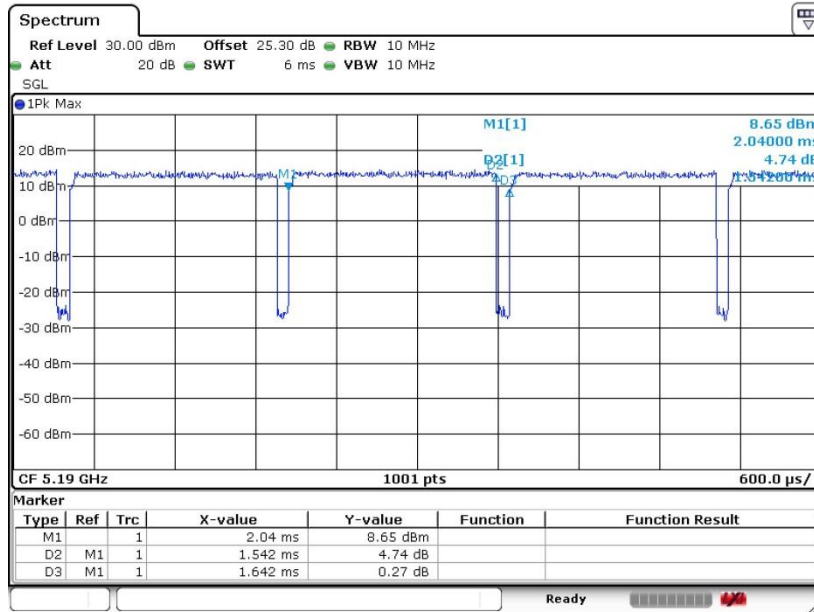
802.11n HT20



Date: 4.JUL.2019 05:29:27

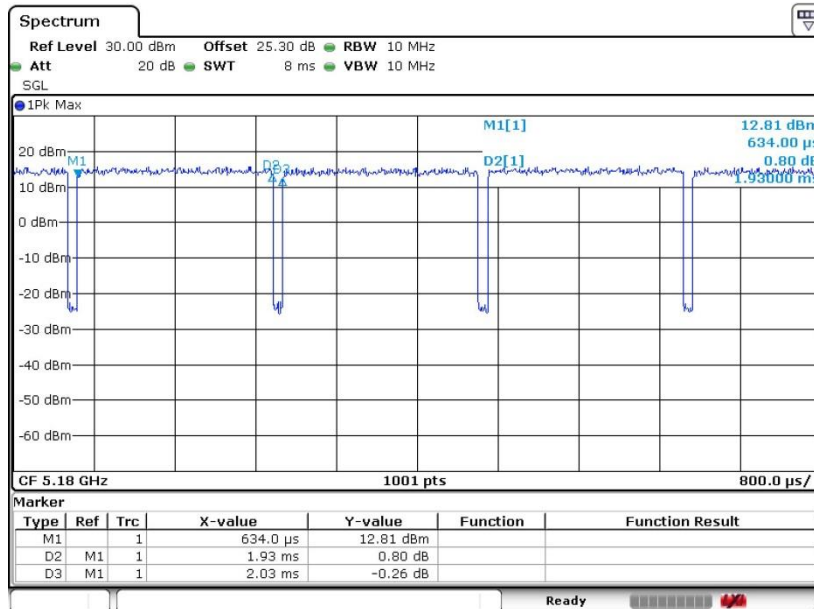


802.11n HT40



Date: 4.JUL.2019 06:44:08

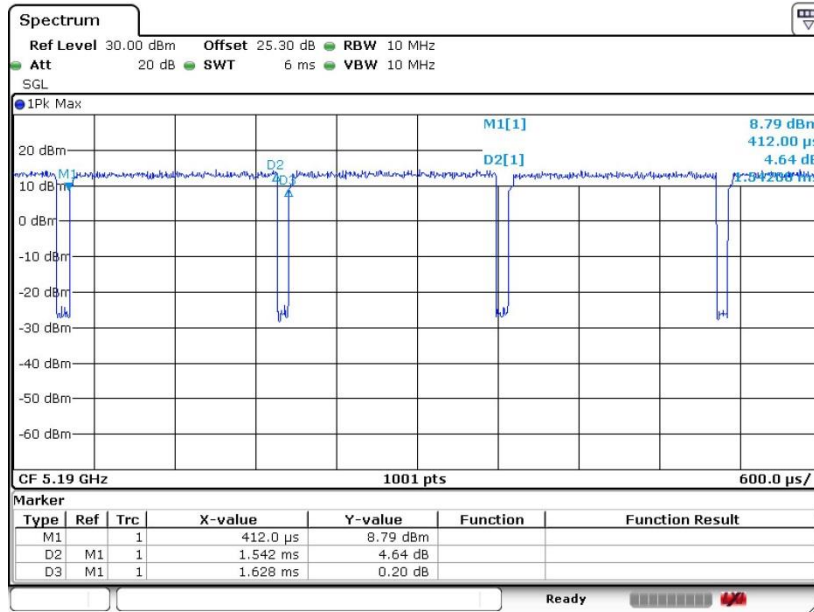
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Date: 4.JUL.2019 05:42:52

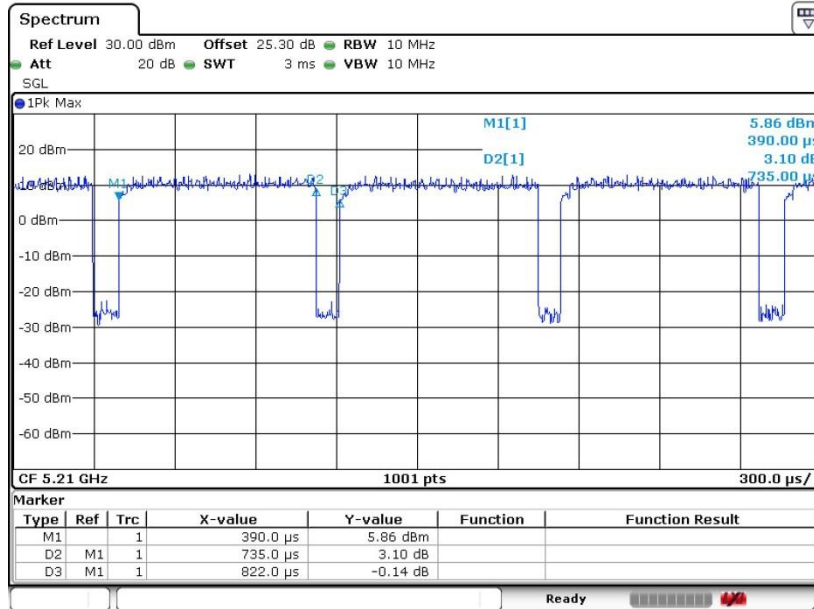


802.11ac VHT40



Date: 4.JUL.2019 06:52:56

802.11ac VHT80

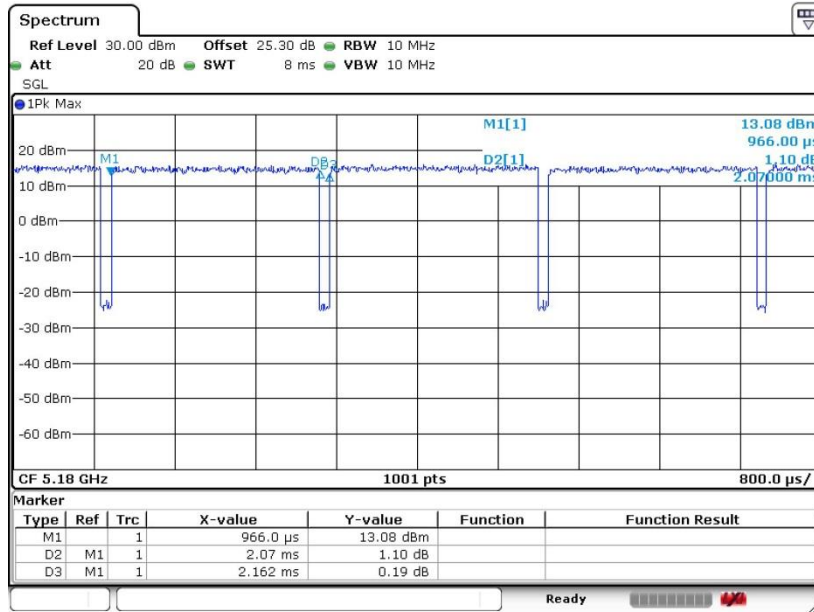


Date: 4.JUL.2019 07:47:30



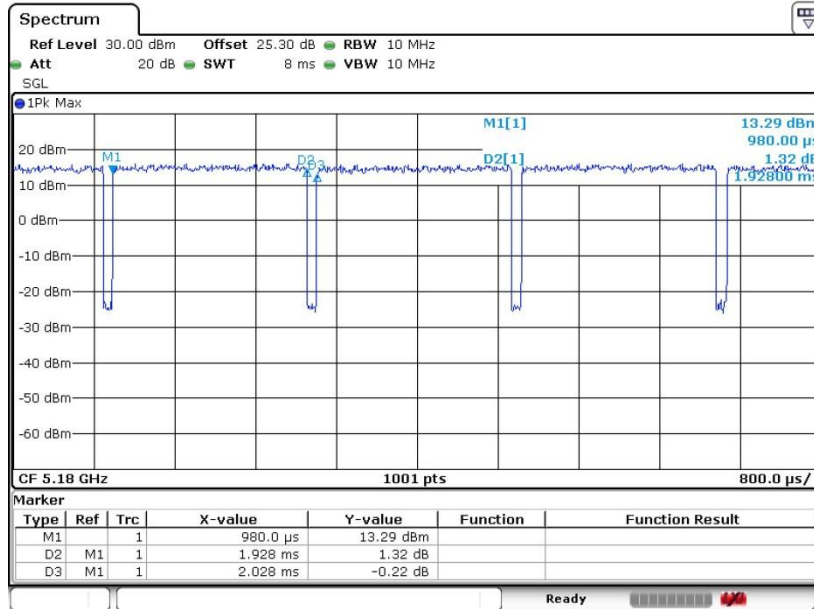
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Date: 4.JUL.2019 04:47:06

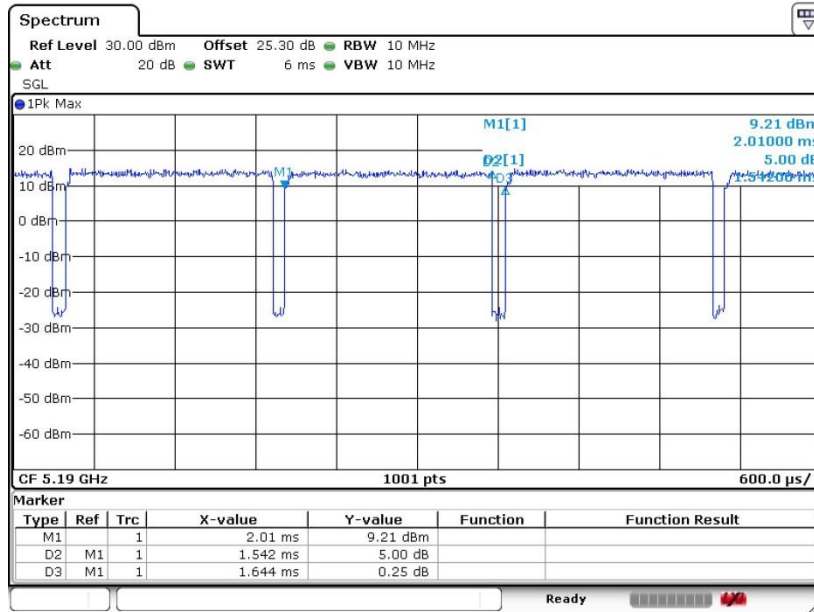
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Date: 4.JUL.2019 05:30:26

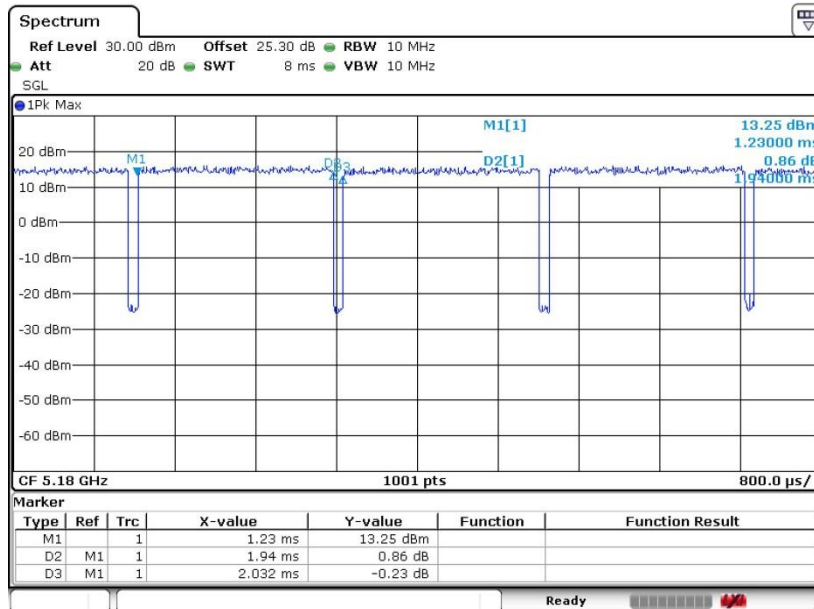


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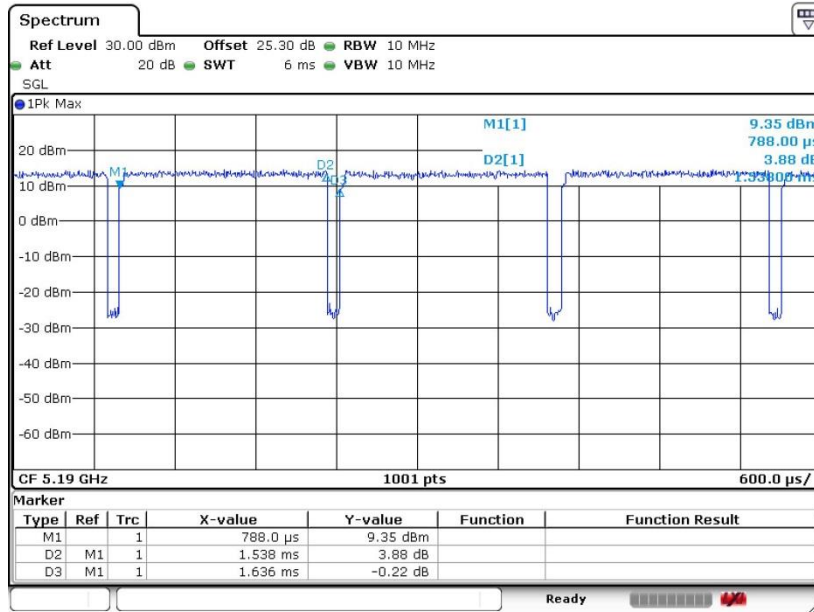
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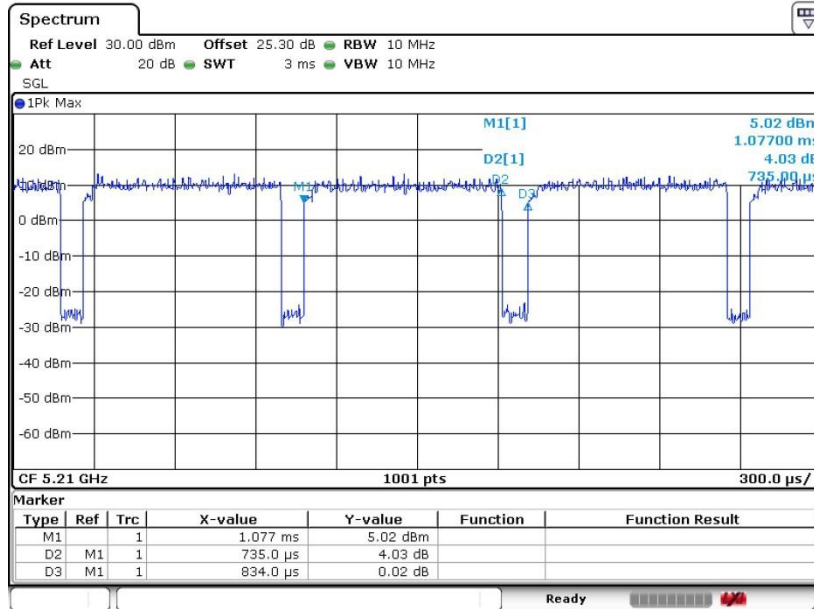


802.11ac VHT40



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

802.11ac VHT80



Date: 4.JUL.2019 07:44:18