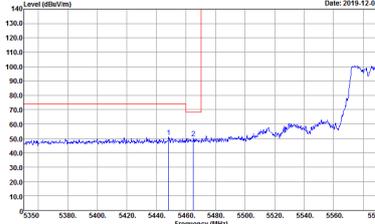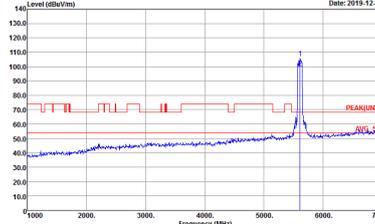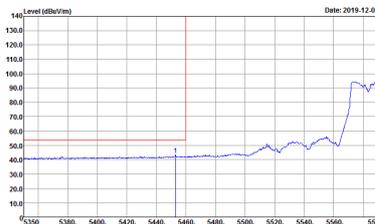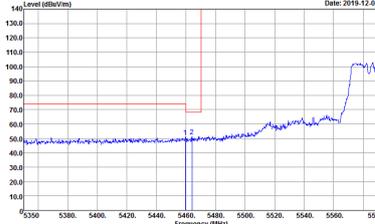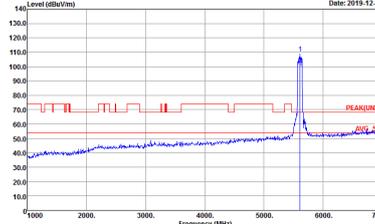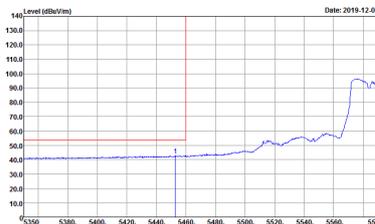| WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak	Site : 03CH15-HV Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705 Setting : 15.5	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	**802.11ac VHT80 CH122 5610MHz - R**	
1+2	**Horizontal**	**Fundamental**
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	**Vertical**	**Fundamental**
Peak		
Avg.		Left blank

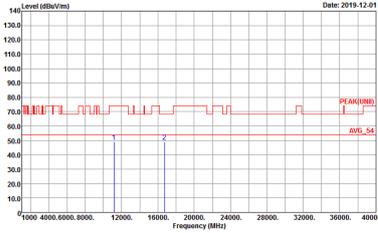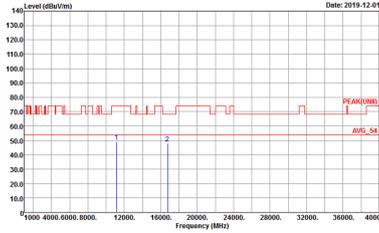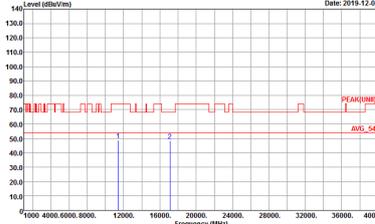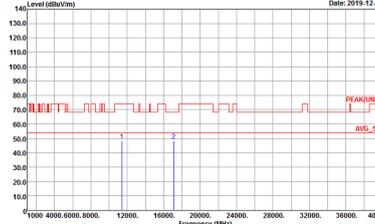| WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	**Vertical**	**Fundamental**
Peak	Site : 03CHI5-HV Condition : PEAK_BE(UNII)_B3 3m HORN_9120b_2114 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9N2705	 Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9N2705

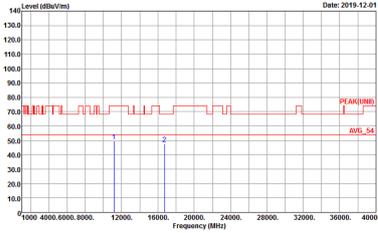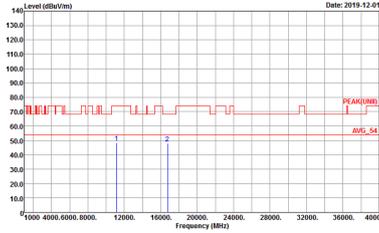| WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9N2705	 Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9N2705

Band 3 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak **Avg.**		

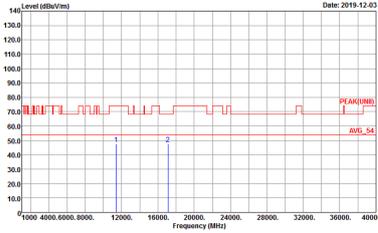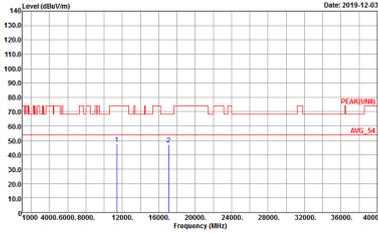| WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9N2705	 Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9N2705

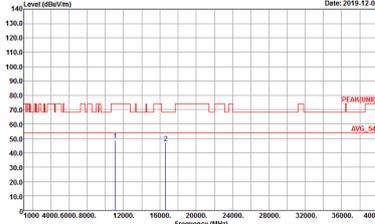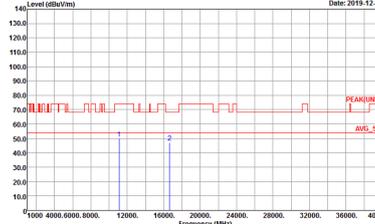| WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak **Avg.**	 Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9N2705	 Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9N2705

Band 3 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

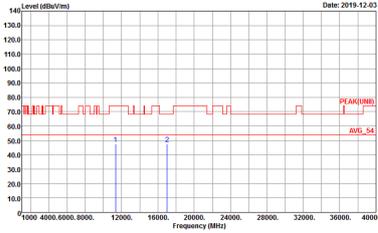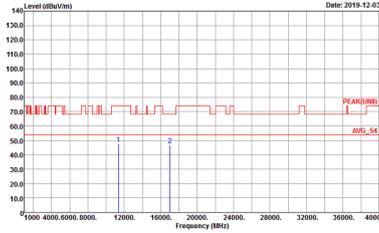| WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	**802.11ac VHT40 CH102 5510MHz**	
1+2	**Horizontal**	**Vertical**
Peak **Avg.**	Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9N2705	Site : 03CHI5-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9N2705

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	**802.11ac VHT40 CH134 5670MHz**	
1+2	**Horizontal**	**Vertical**
Peak **Avg.**		

Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.		

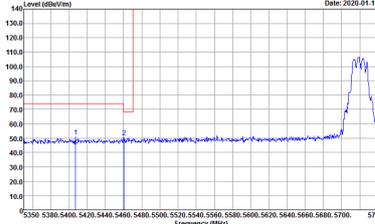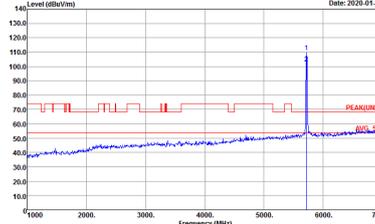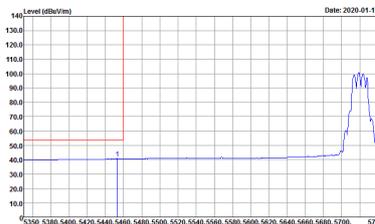| WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank
Avg.	Left blank	Left blank

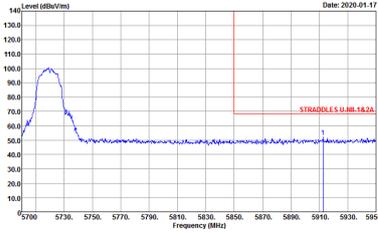| WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

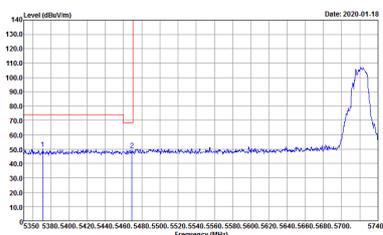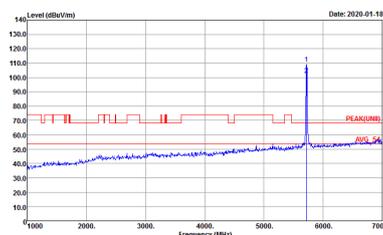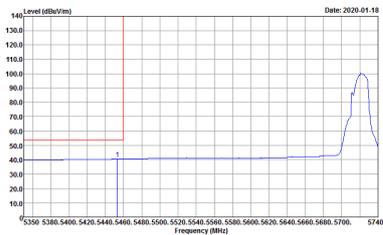| WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.	Left blank	Left blank

Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.	Left blank	Left blank

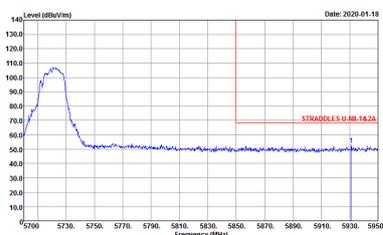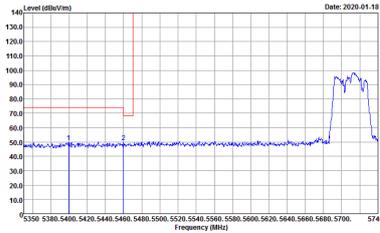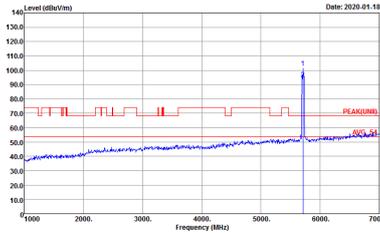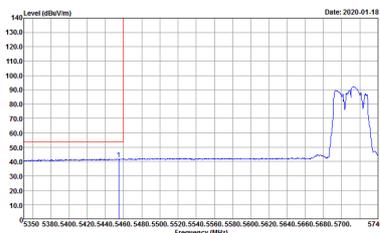| WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705
Avg.	 Site : 03CH15-HY Condition : U-NII-1&2A AVERAGE 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - R	
1+2	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank
Avg.	Left blank	Left blank

Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - R	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank
Avg.	Left blank	Left blank

TEL : 0800-800005   Page Number   : D140 of D151
FAX : 886-3-328-4978
E-mail : Alex@sporton.com.tw

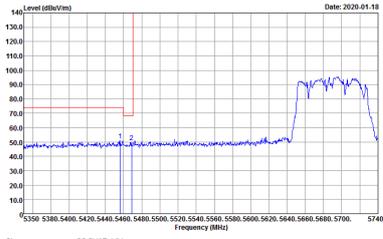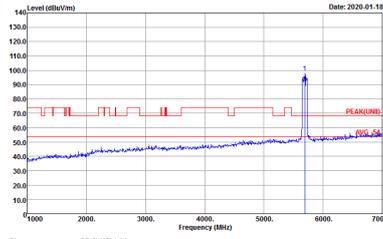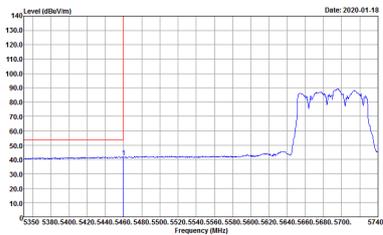| WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

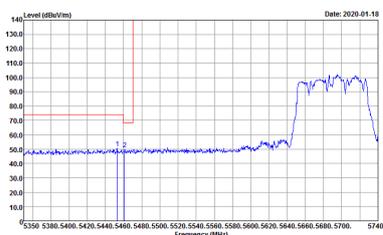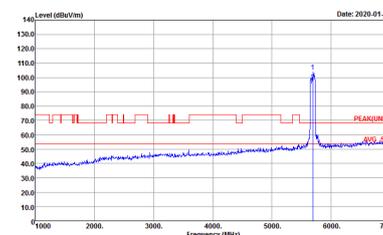| WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - R	
1+2	Vertical	Fundamental
Peak	Site : 03CHI5-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank
Avg.	Left blank	Left blank

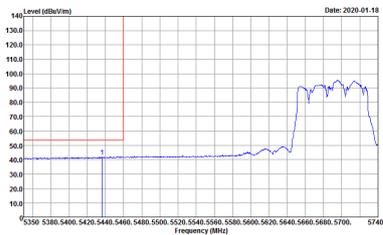## Band 3 – Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

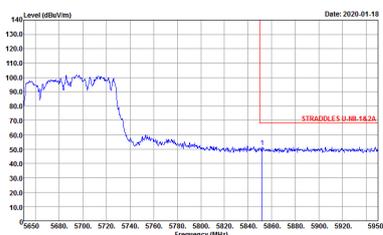| WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - R	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_2114 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9N2705	Left blank
Avg.	Left blank	Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.	Left blank	Left blank

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	**802.11a CH144 5720MHz**	
1+2	**Horizontal**	**Vertical**
Peak **Avg.**		

Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 HORIZONTAL Detector : Peak Project : 9N2705	 Site : 03CH15-HY Condition : PEAK(UNII) 3m HORN_9120D_2114 VERTICAL Detector : Peak Project : 9N2705

Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak **Avg.**		

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

| WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1+2	Horizontal	Vertical
QP / Peak		

Appendix E.   Duty Cycle Plots

| Chain	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11a	98.10	-	-	10Hz	0.08
2	802.11a	98.10	-	-	10Hz	0.08
1+2	802.11a for Chain 1	98.10	-	-	10Hz	0.08
1+2	802.11a for Chain 2	98.10	-	-	10Hz	0.08
1	5GHz 802.11n HT20	98.47	-	-	10Hz	0.07
2	5GHz 802.11n HT20	98.37	-	-	10Hz	0.07
1+2	5GHz 802.11n HT20 for Chain 1	97.96	1922.00	0.52	1kHz	0.09
1+2	5GHz 802.11n HT20 for Chain 2	97.96	1922.00	0.52	1kHz	0.09
1	5GHz 802.11n HT40	95.93	944.00	1.06	3kHz	0.18
2	5GHz 802.11n HT40	96.34	948.00	1.05	3kHz	0.16
1+2	5GHz 802.11n HT40 for Chain 1	96.34	948.00	1.05	3kHz	0.16
1+2	5GHz 802.11n HT40 for Chain 2	96.34	948.00	1.05	3kHz	0.16
1	5GHz 802.11ac VHT20	98.37	-	-	10Hz	0.07
2	5GHz 802.11ac VHT20	98.07	-	-	10Hz	0.08
1+2	5GHz 802.11ac VHT20 for Chain 1	98.06	-	-	10Hz	0.09
1+2	5GHz 802.11ac VHT20 for Chain 2	98.38	-	-	10Hz	0.07
1	5GHz 802.11ac VHT40	96.36	952.00	1.05	3kHz	0.16
2	5GHz 802.11ac VHT40	96.36	952.00	1.05	3kHz	0.16
1+2	5GHz 802.11ac VHT40 for Chain 1	96.36	952.00	1.05	3kHz	0.16
1+2	5GHz 802.11ac VHT40 for Chain 2	96.36	952.00	1.05	3kHz	0.16
1	5GHz 802.11ac VHT80	93.00	465.00	2.15	3kHz	0.32
2	5GHz 802.11ac VHT80	93.00	465.00	2.15	3kHz	0.32
1+2	5GHz 802.11ac VHT80 for Chain 1	93.00	465.00	2.15	3kHz	0.32
1+2	5GHz 802.11ac VHT80 for Chain 2	93.00	465.00	2.15	3kHz	0.32

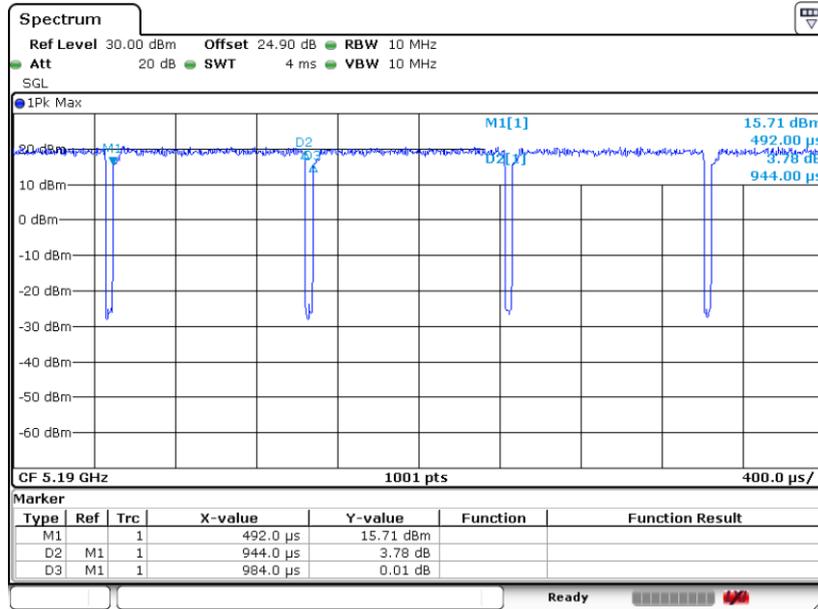**<Chain 1>**

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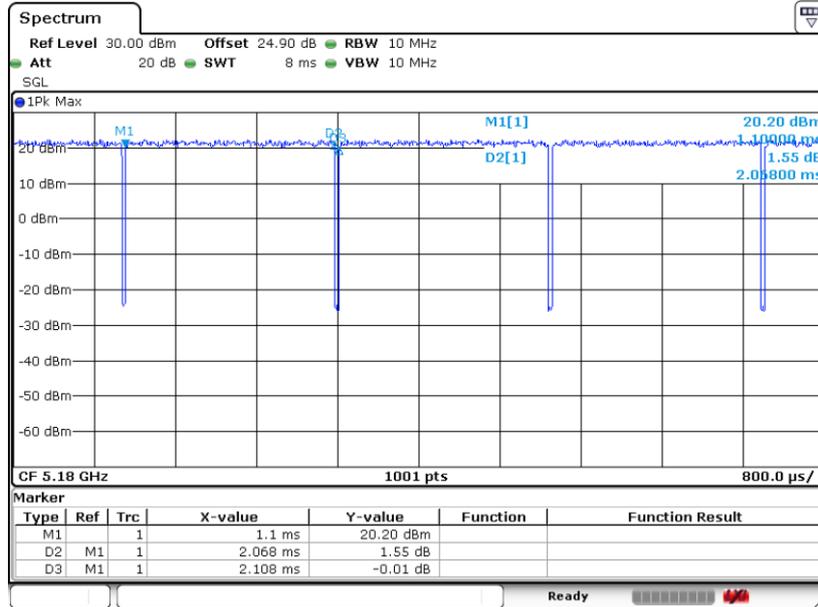
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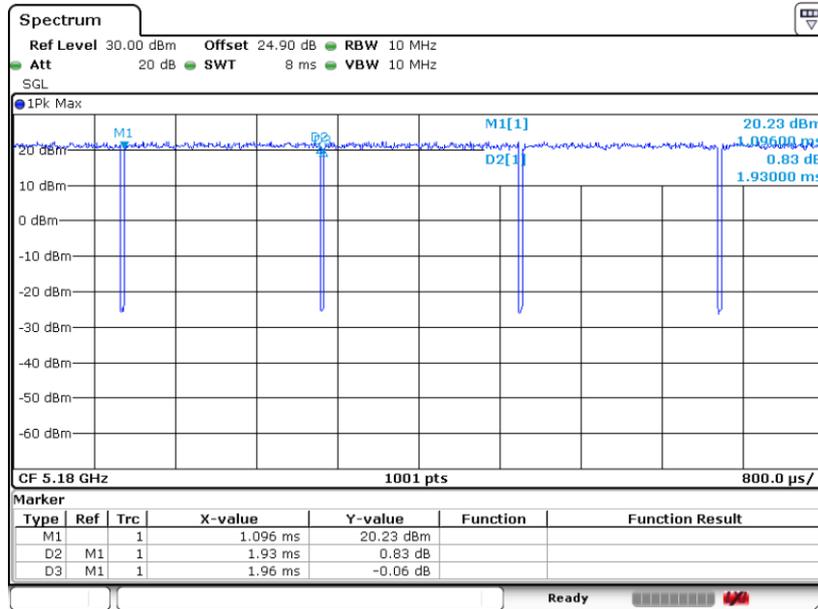
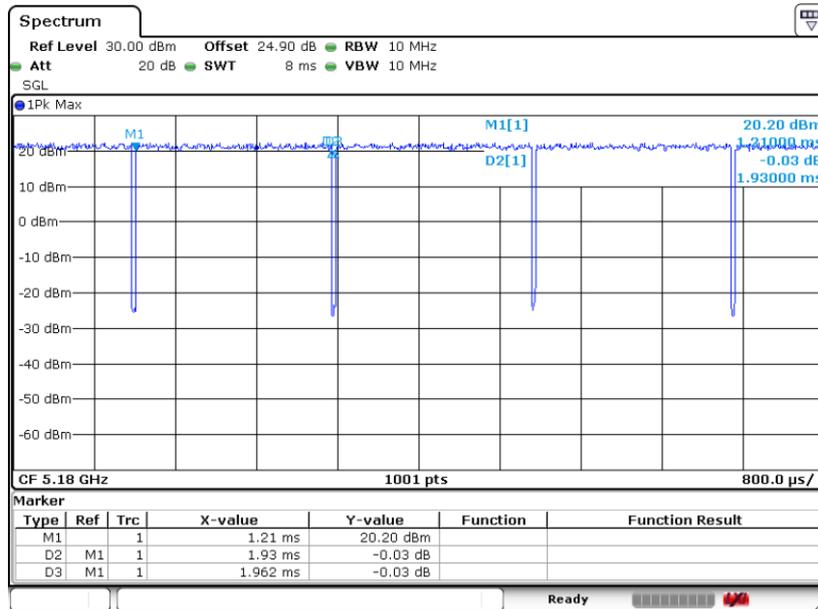Date: 29.NOV.2019 00:03:17

802.11n HT40
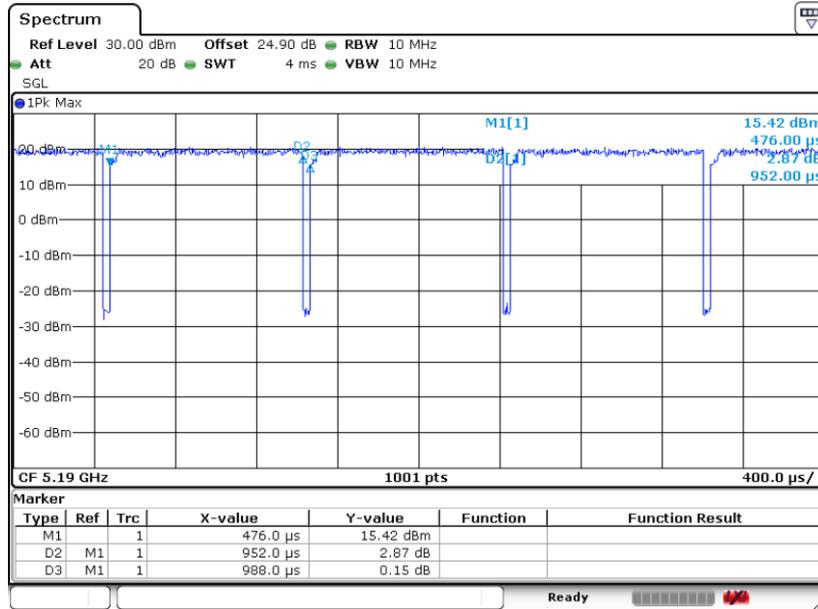

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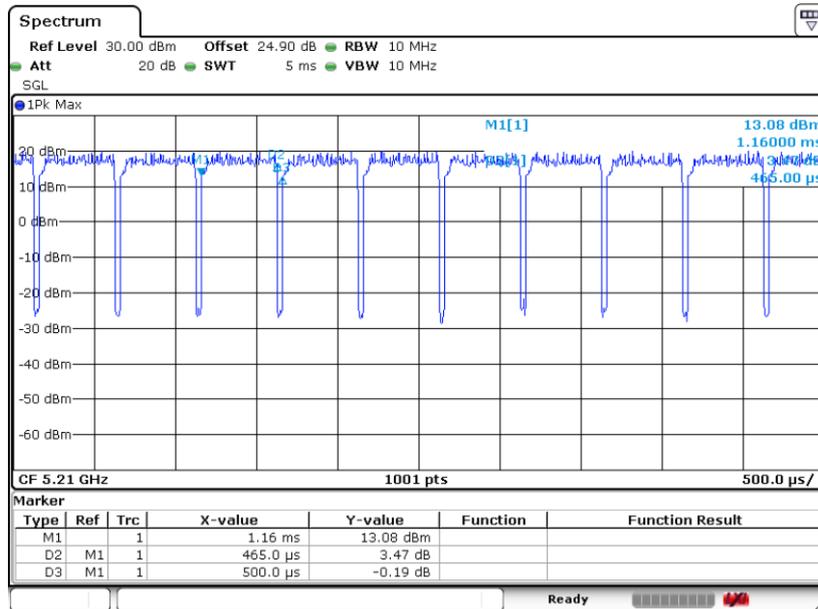Date: 29.NOV.2019 00:19:16

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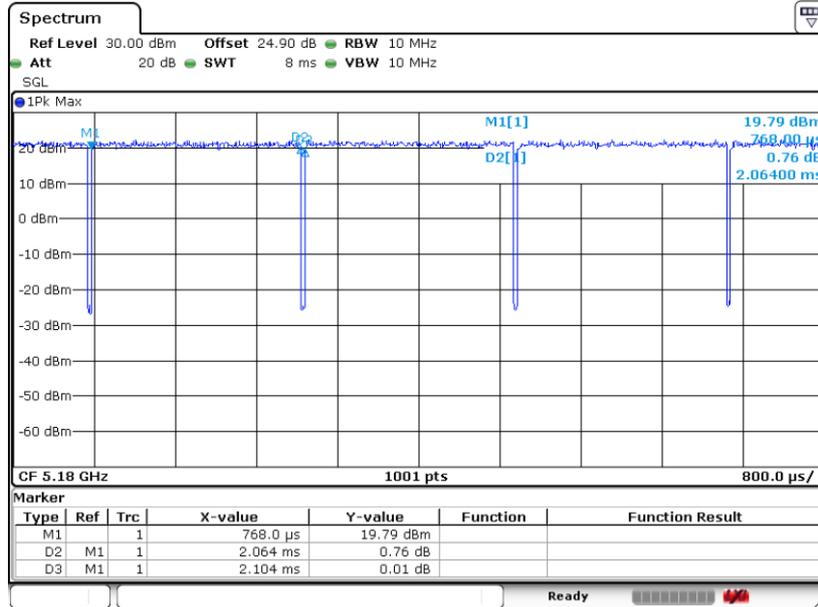Date: 29.NOV.2019 00:35:40
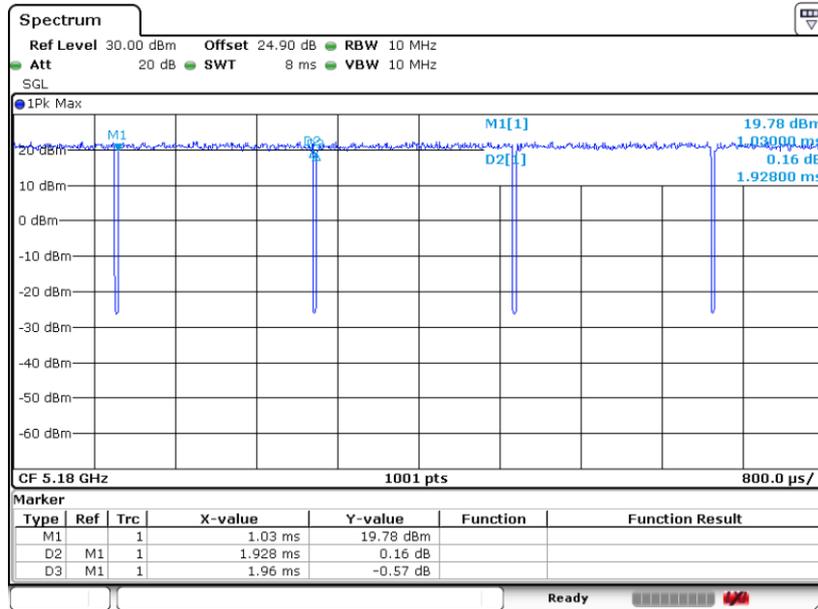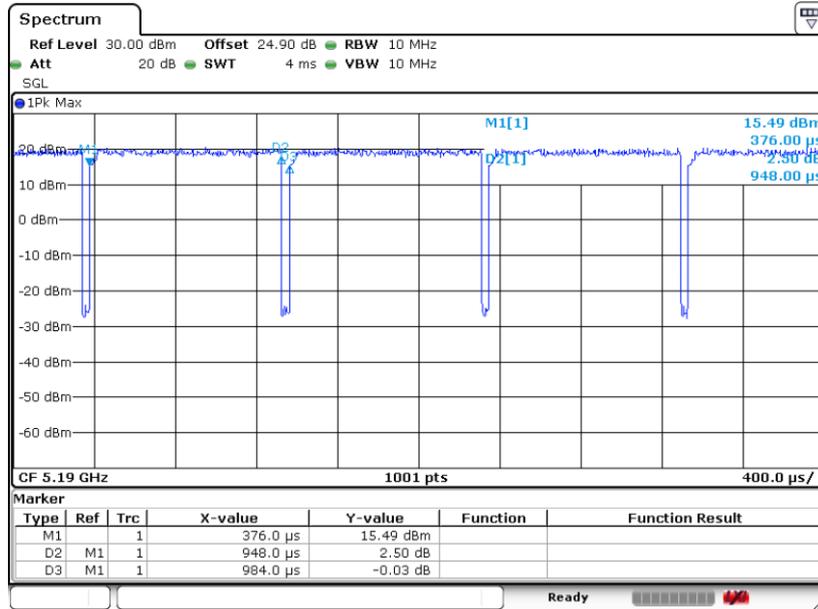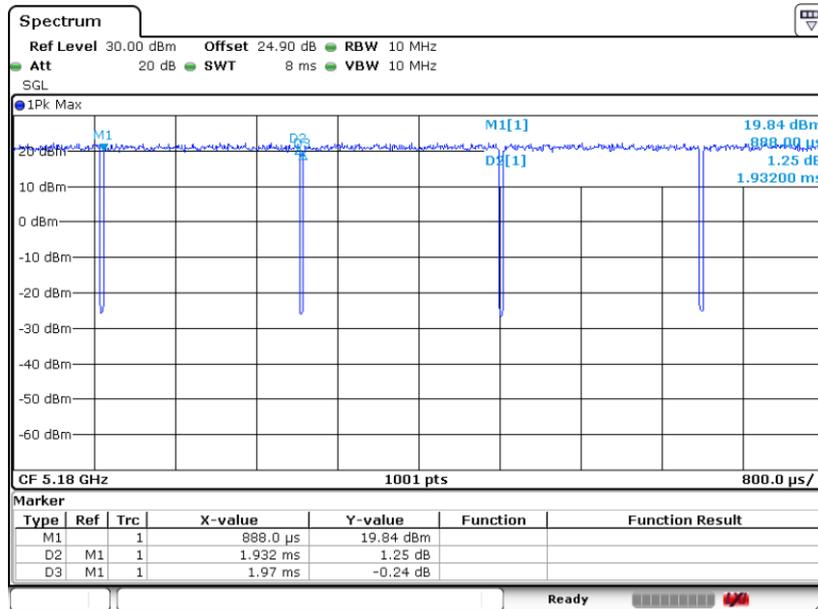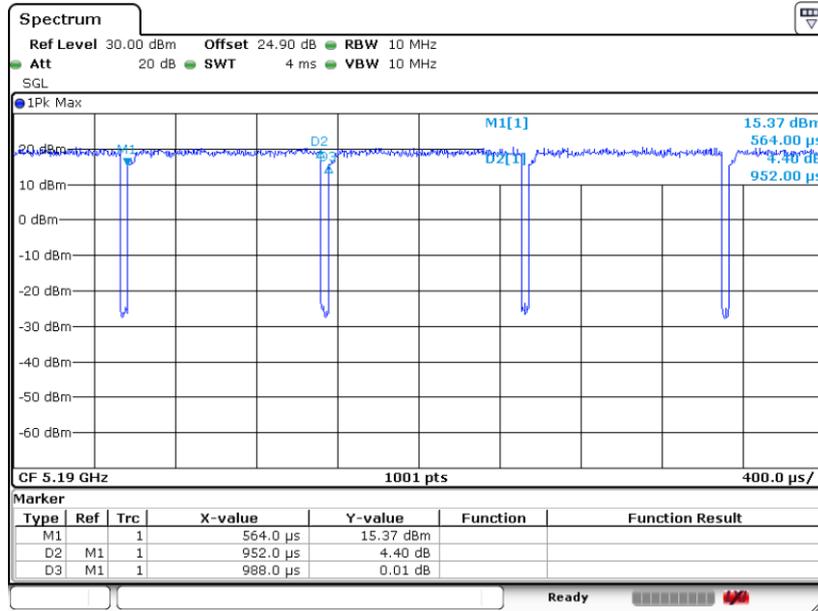
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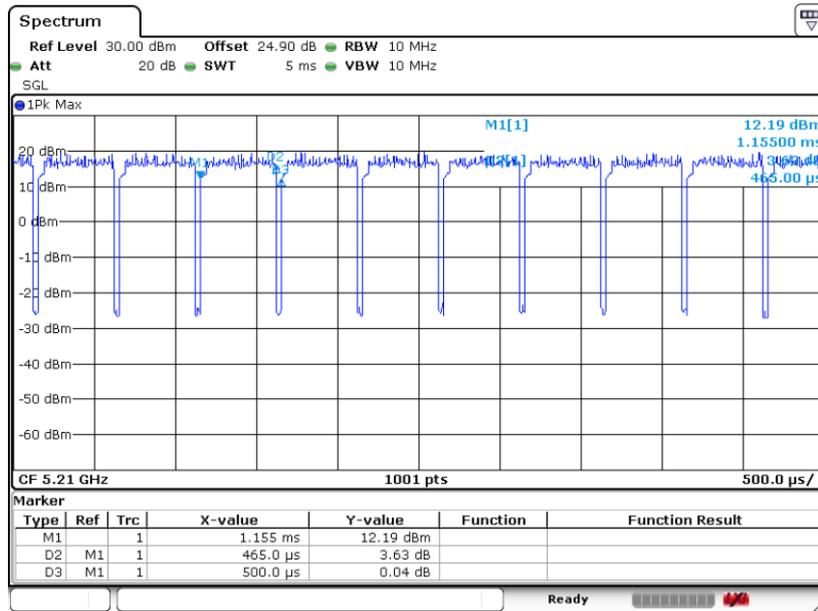Date: 29.NOV.2019 00:29:46

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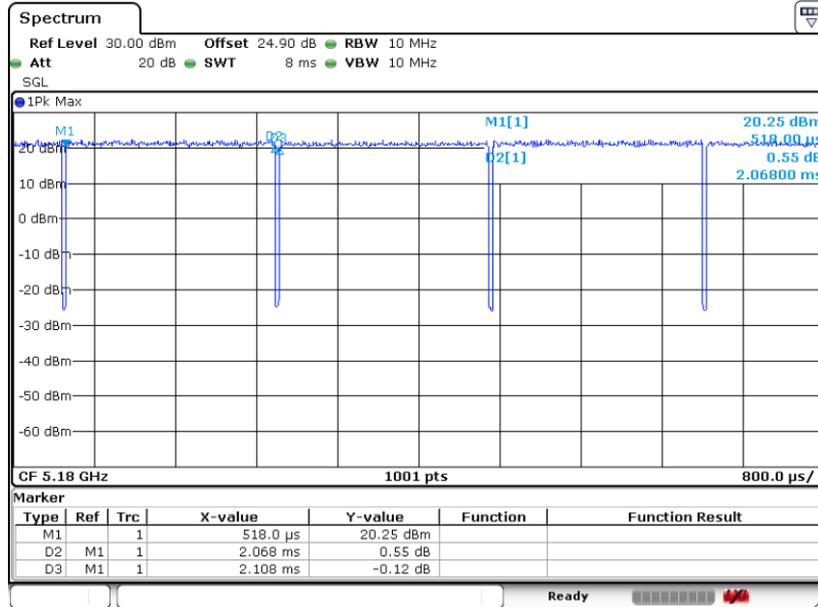

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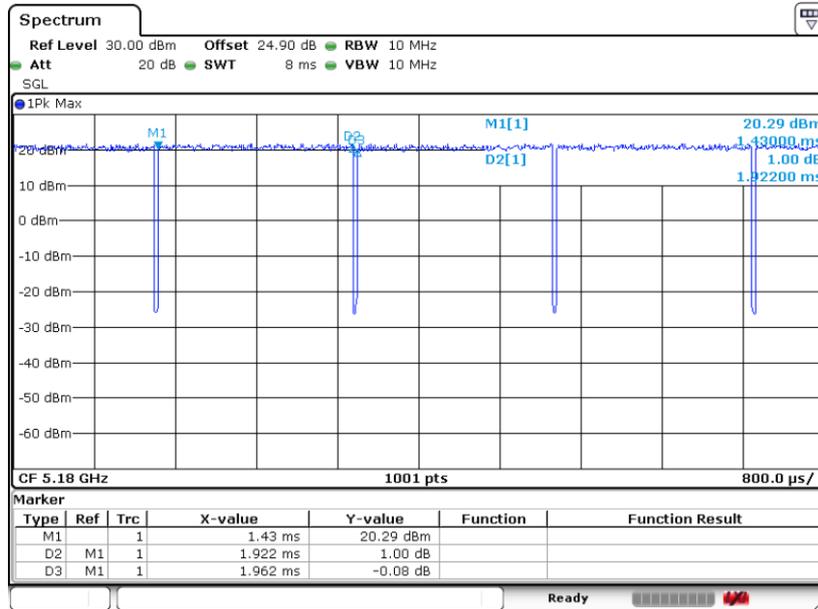Date: 29.NOV.2019   00:43:53

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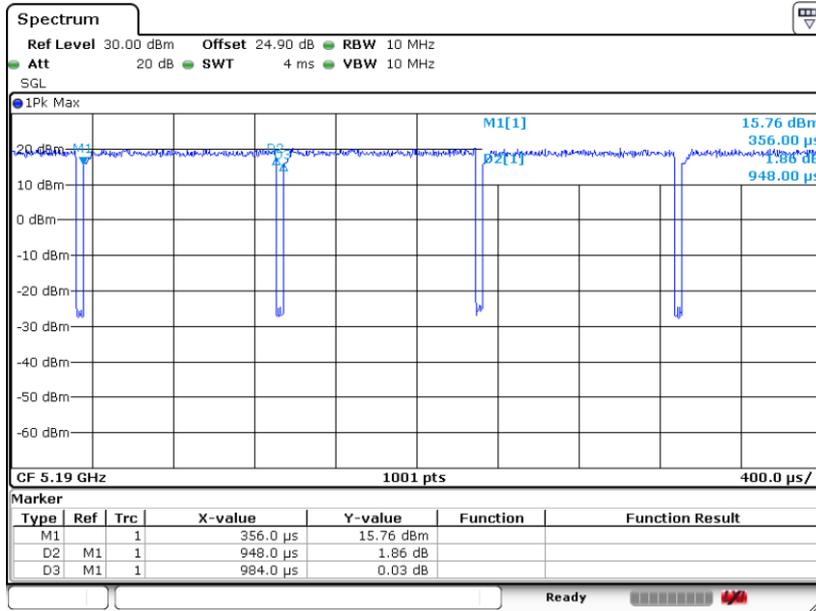

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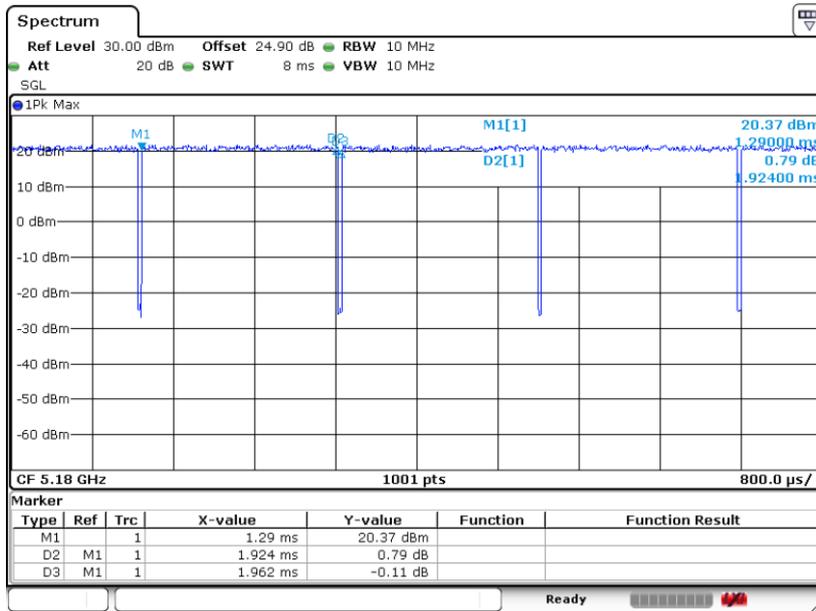Date: 29.NOV.2019 00:09:04

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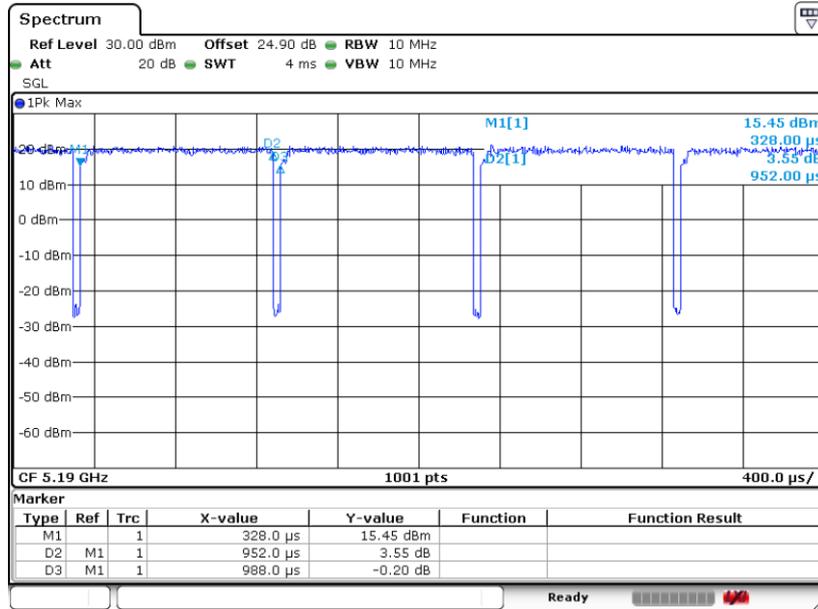Date: 29.NOV.2019 00:15:17

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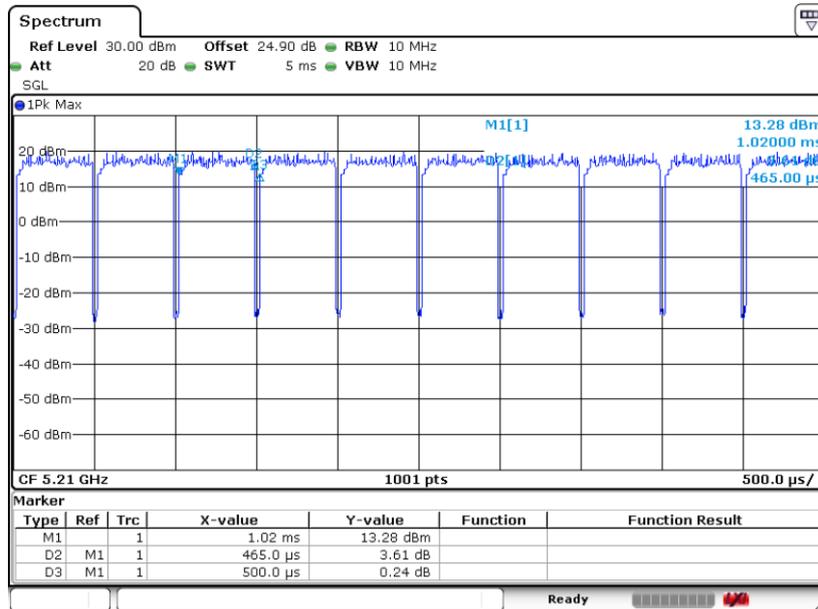
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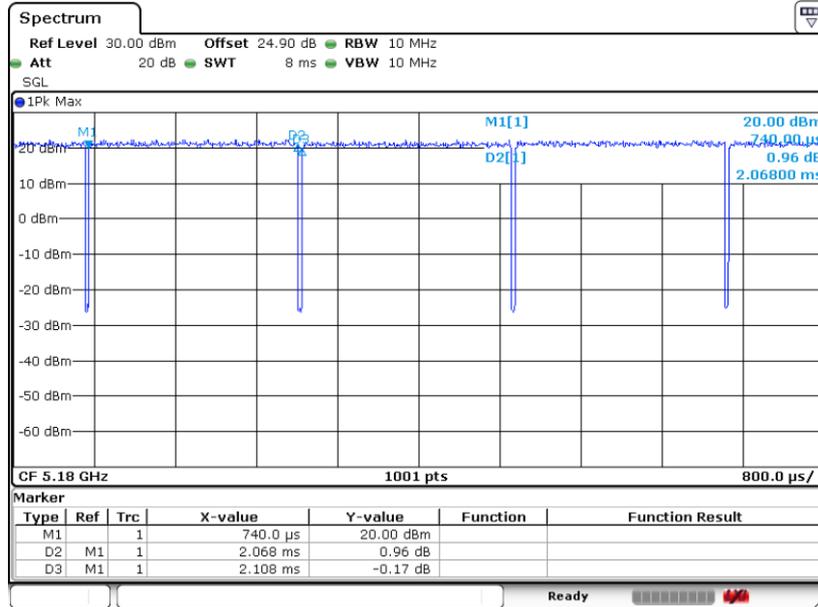

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802.11ac VHT80

Date: 29.NOV.2019 00:45:17

TEL : 0800-800005   Page Number   : E10 of E13
FAX : 886-3-328-4978
E-mail : Alex@sporton.com.tw
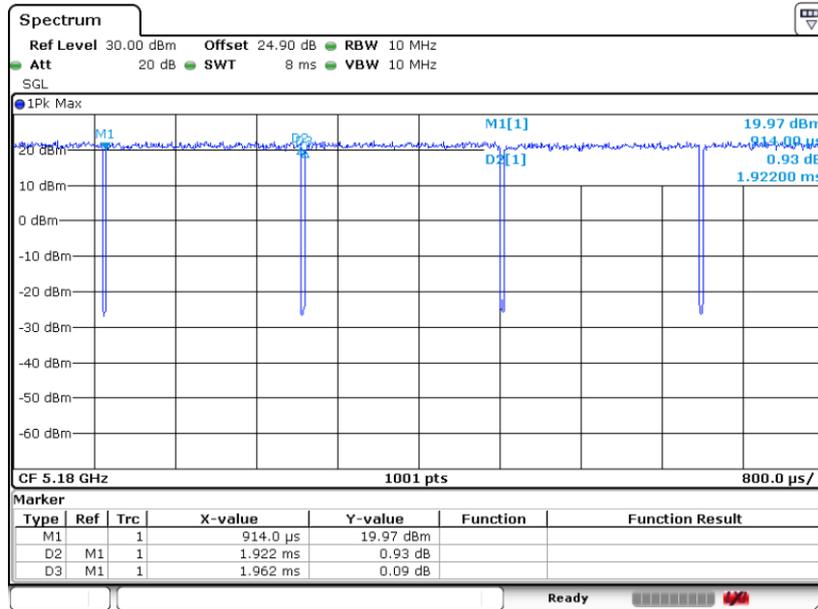
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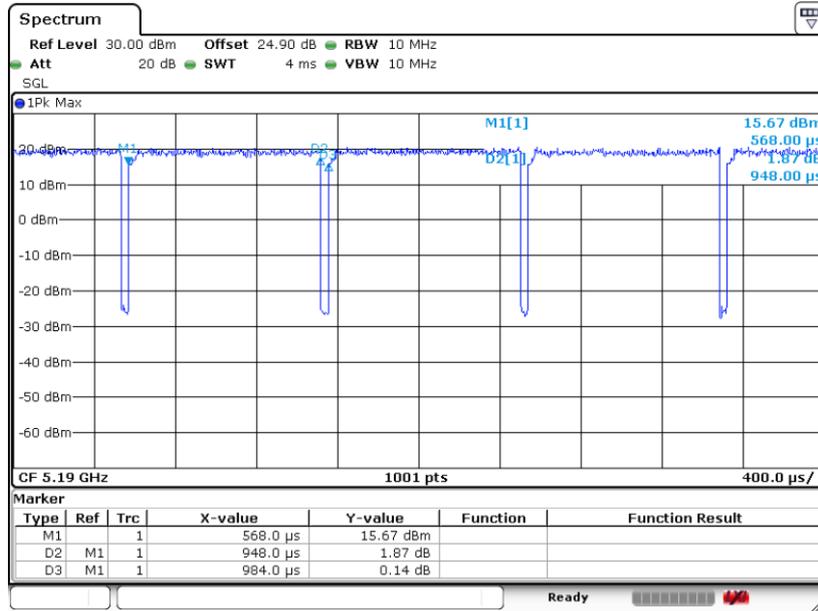
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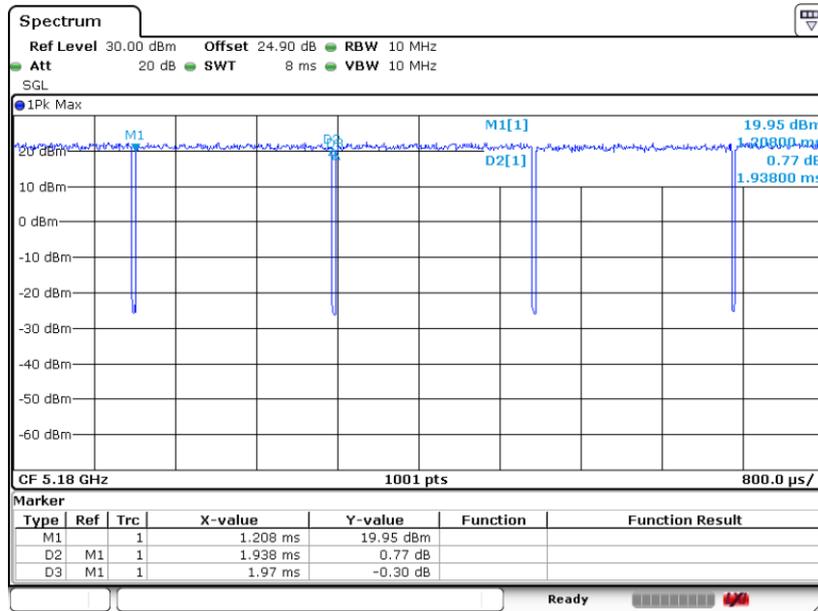

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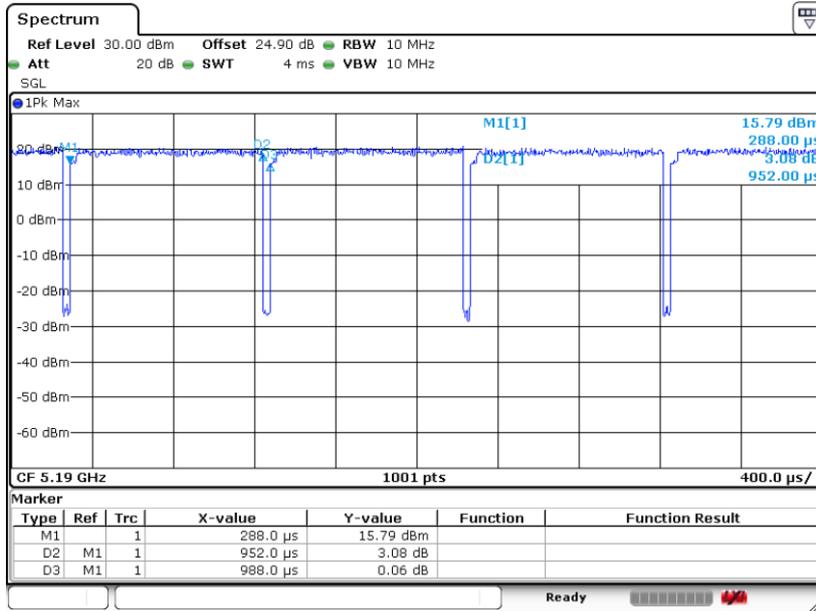Date: 29.NOV.2019 00:16:16

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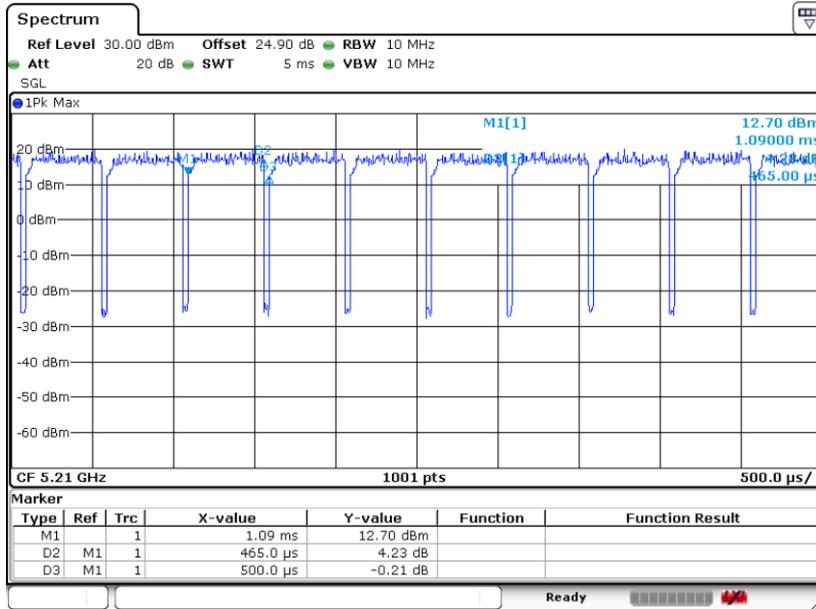### 802.11ac VHT40

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