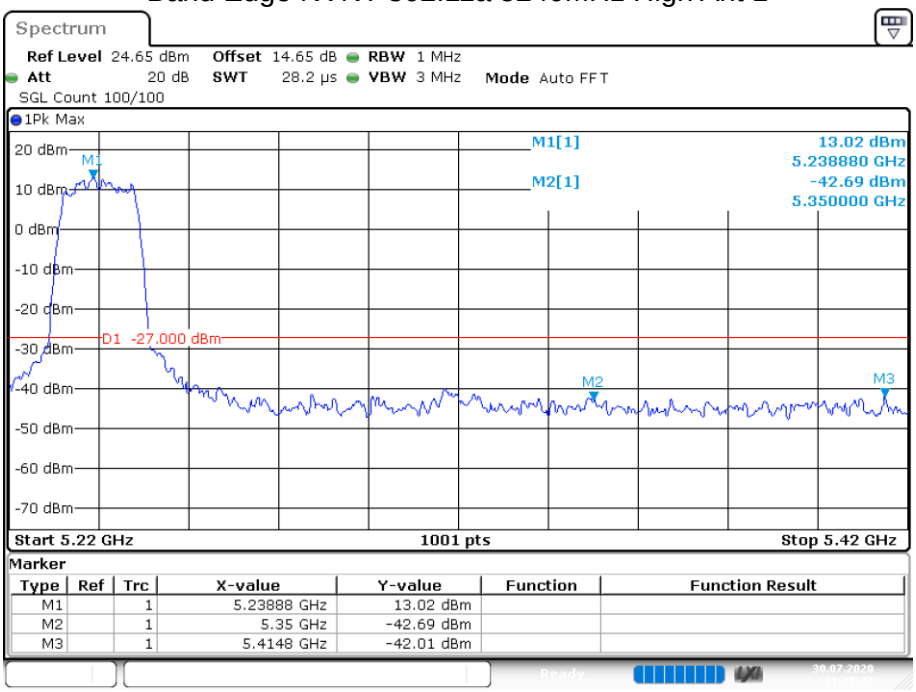
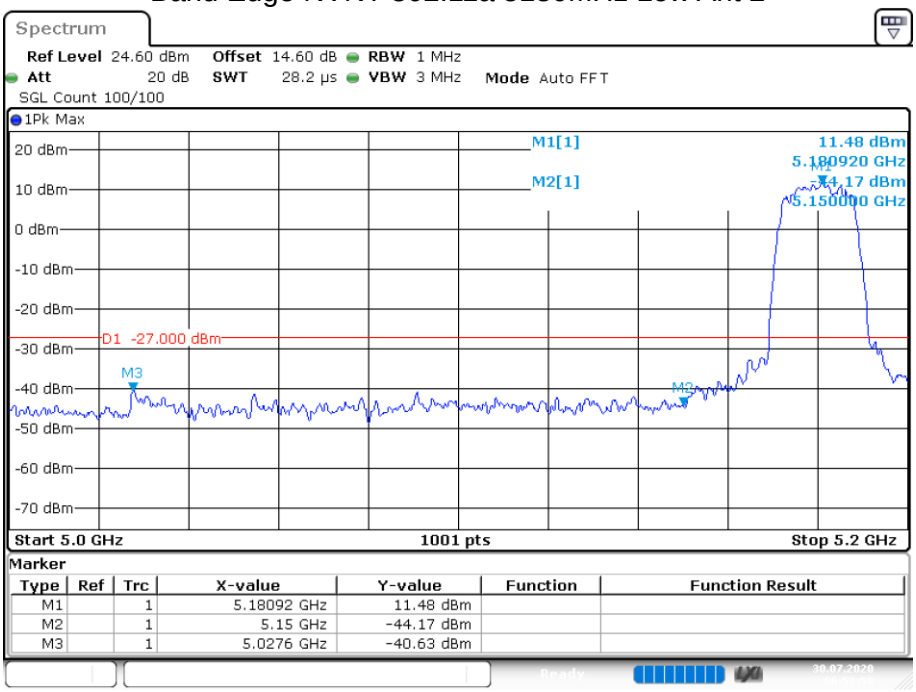
Band Edge NVNT 802.11a 5240MHz High Ant 1



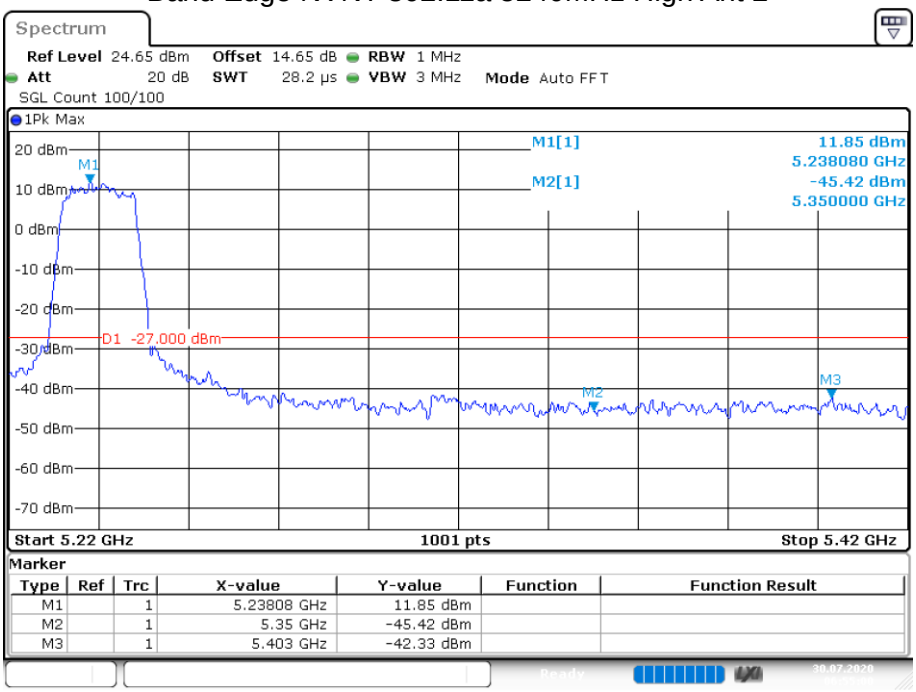

Date: 30.JUL.2020 11:20:38

Band Edge NVNT 802.11a 5180MHz Low Ant 2



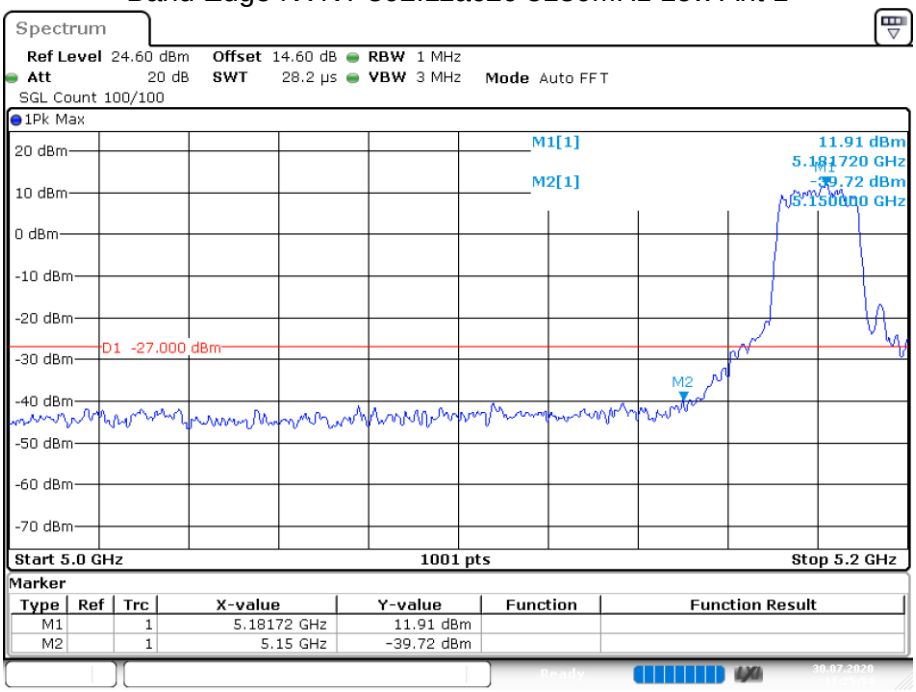

Date: 30.JUL.2020 06:52:58

Band Edge NVNT 802.11a 5240MHz High Ant 2



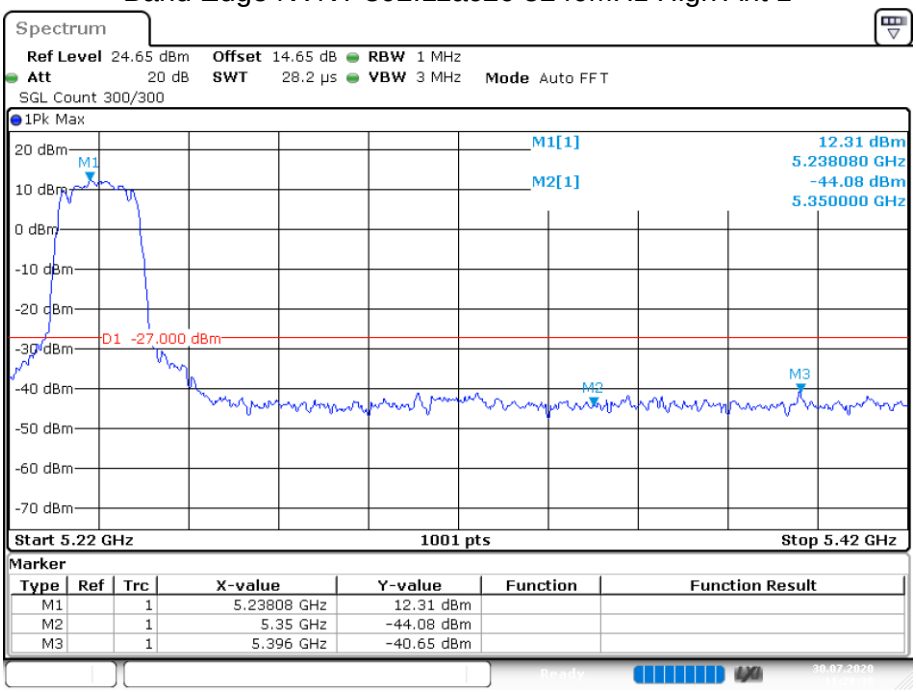

Date: 30.JUL.2020 06:55:00

Band Edge NVNT 802.11ac20 5180MHz Low Ant 1



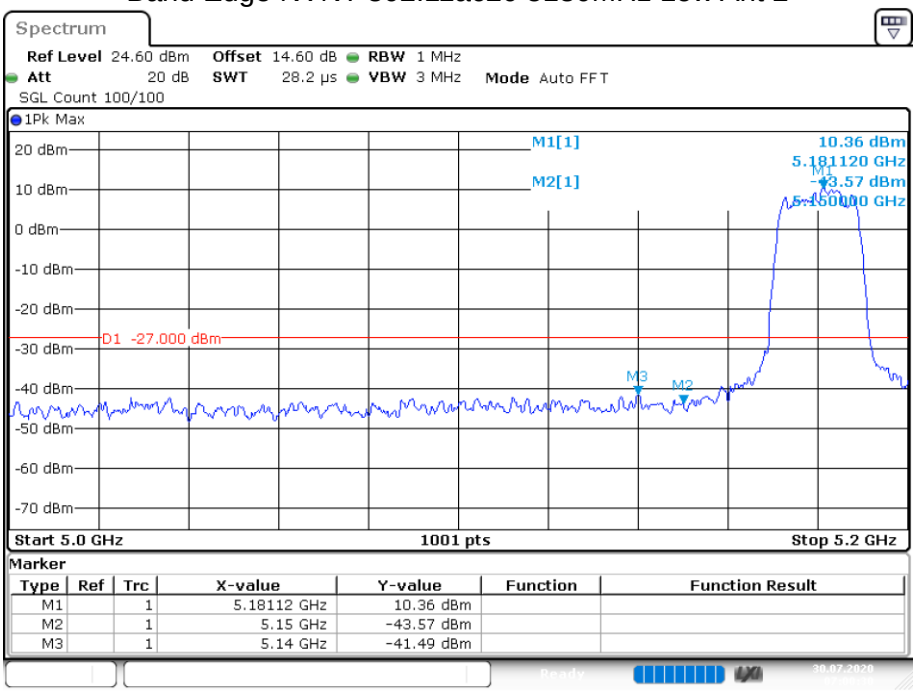

Date: 30.JUL.2020 11:25:54

Band Edge NVNT 802.11ac20 5240MHz High Ant 1



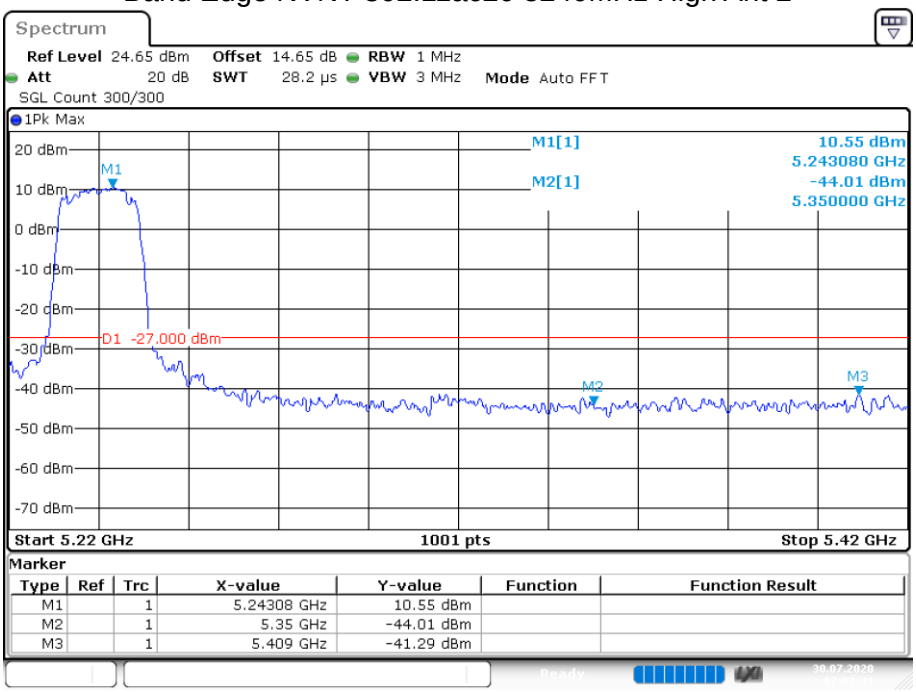

Date: 30.JUL.2020 11:28:39

Band Edge NVNT 802.11ac20 5180MHz Low Ant 2



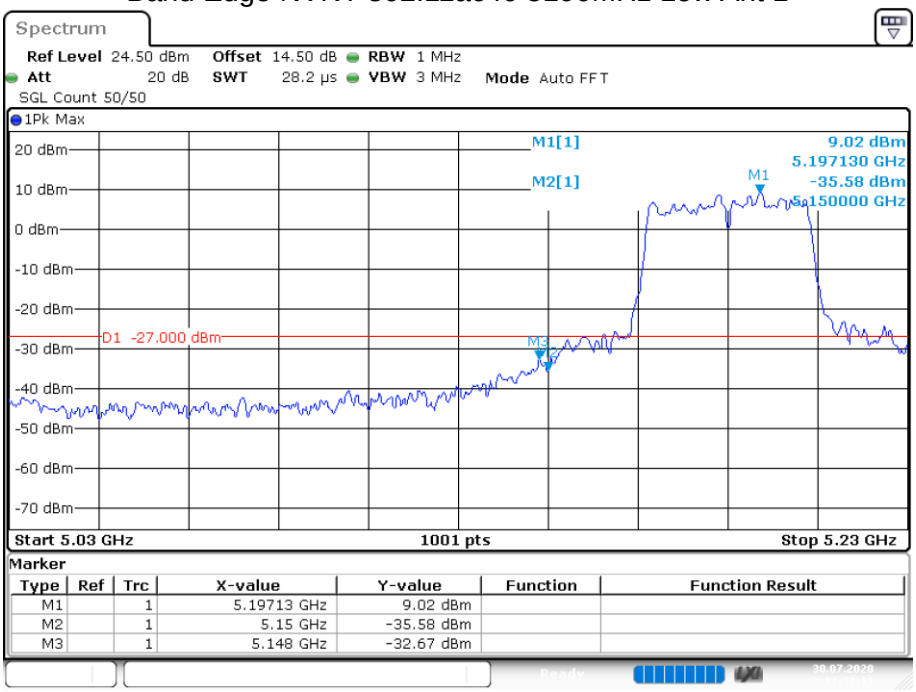

Date: 30.JUL.2020 07:00:30

Band Edge NVNT 802.11ac20 5240MHz High Ant 2



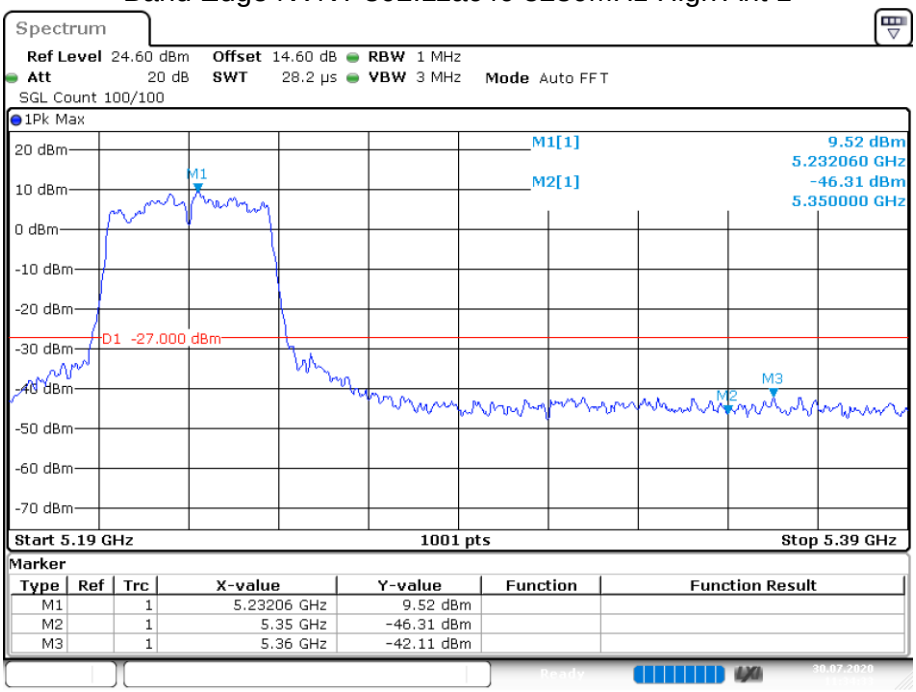

Date: 30.JUL.2020 07:02:41

Band Edge NVNT 802.11ac40 5190MHz Low Ant 1



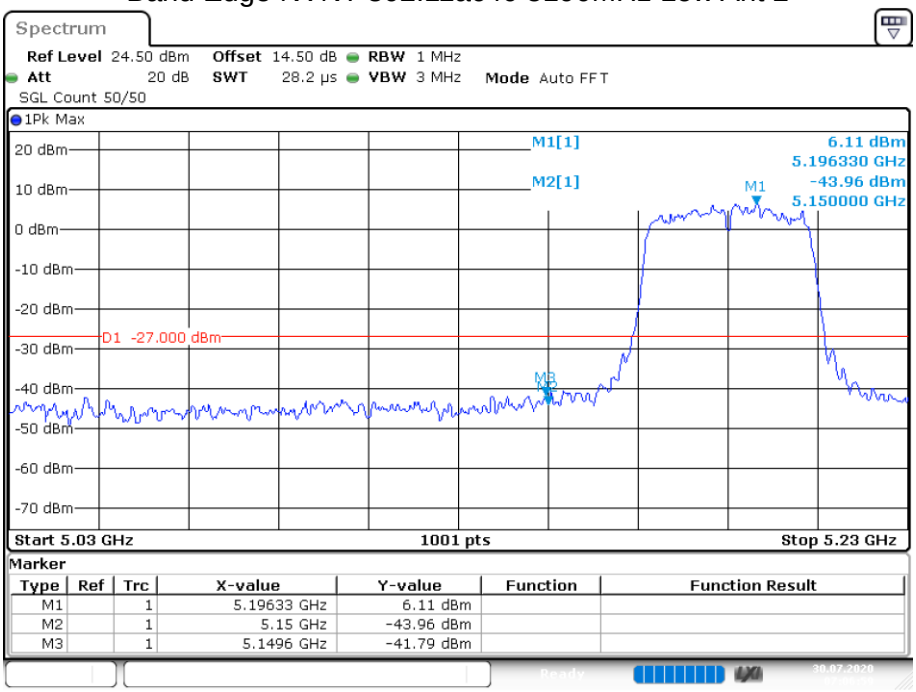

Date: 30.JUL.2020 11:33:12

Band Edge NVNT 802.11ac40 5230MHz High Ant 1



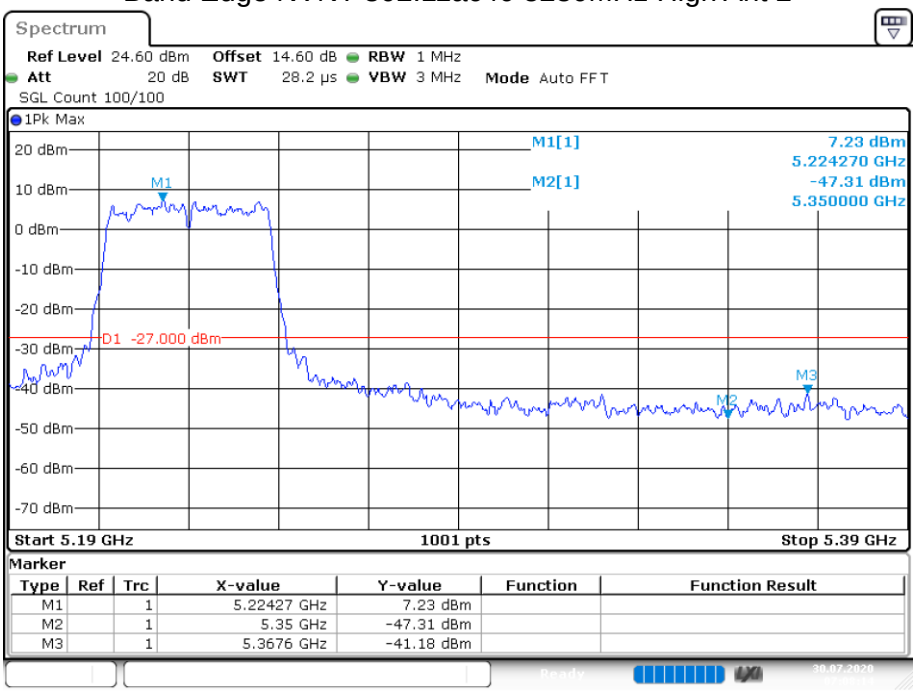

Date: 30.JUL.2020 11:34:34

Band Edge NVNT 802.11ac40 5190MHz Low Ant 2




Date: 30.JUL.2020 07:06:59

Band Edge NVNT 802.11ac40 5230MHz High Ant 2

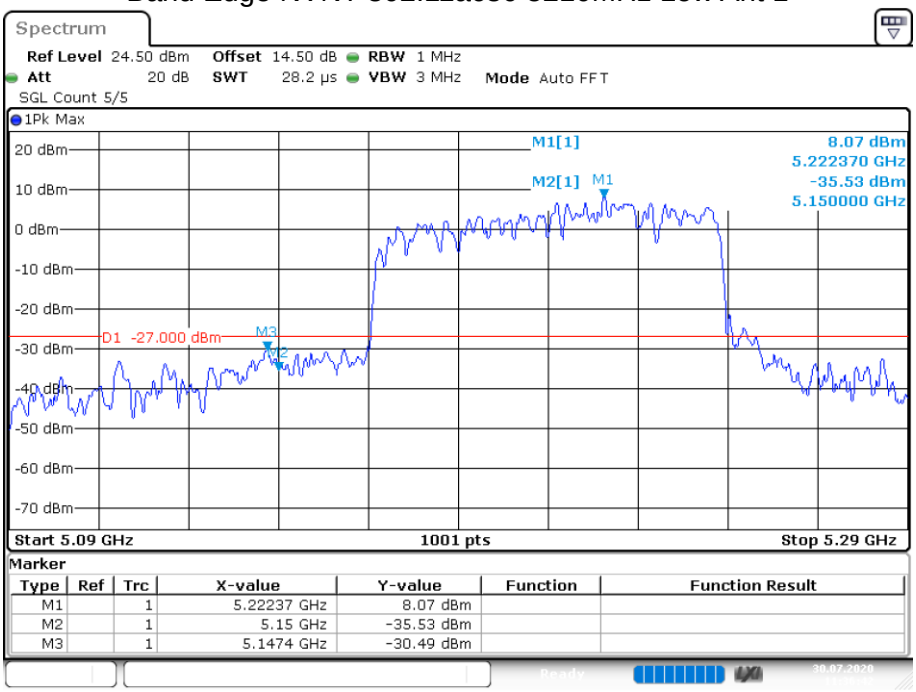



Date: 30.JUL.2020 07:08:15

Band Edge NVNT 802.11ac80 5210MHz High Ant 1

Date: 30.JUL.2020 11:37:04

Band Edge NVNT 802.11ac80 5210MHz Low Ant 1

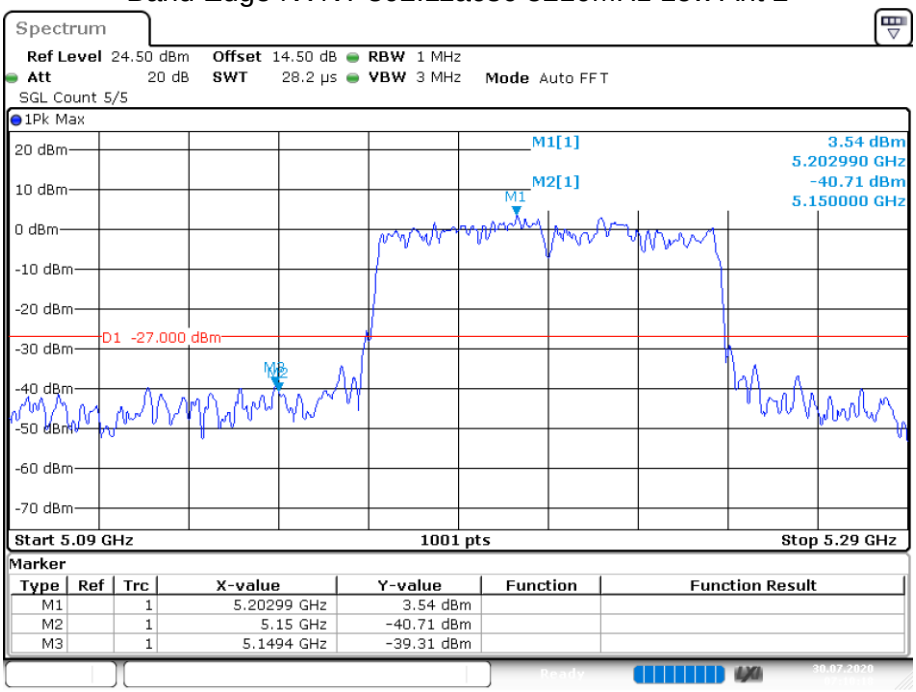



Date: 30.JUL.2020 11:36:42

Band Edge NVNT 802.11ac80 5210MHz High Ant 2

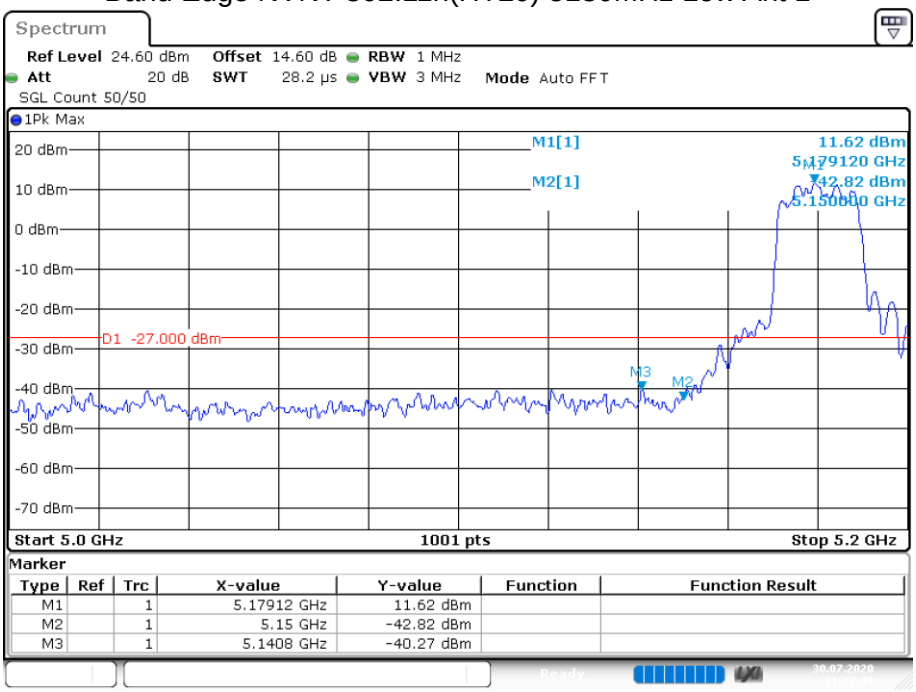
Date: 30.JUL.2020 07:10:52

Band Edge NVNT 802.11ac80 5210MHz Low Ant 2



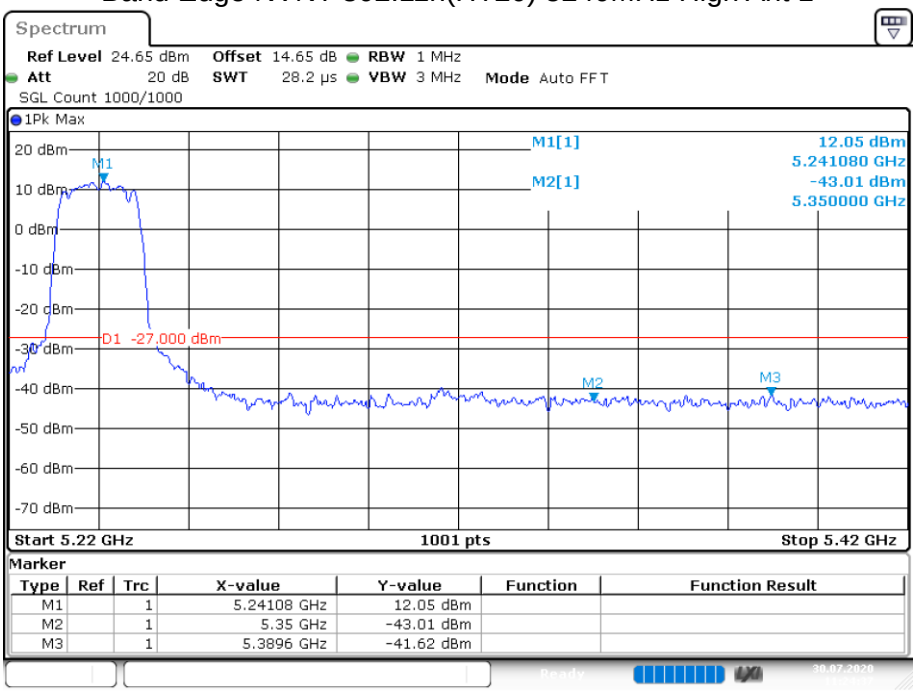

Date: 30.JUL.2020 07:10:18

Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant 1



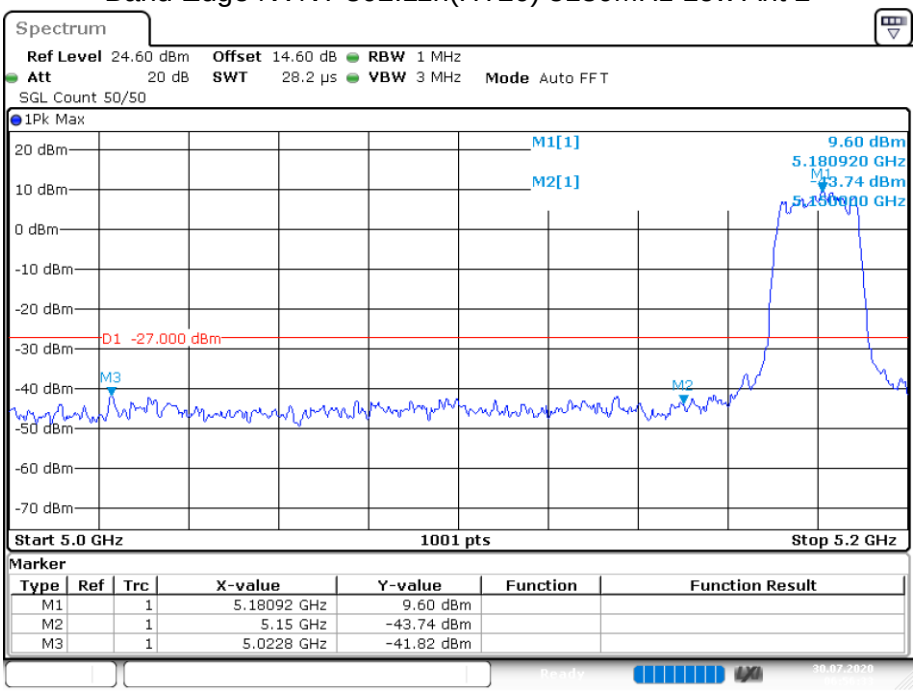

Date: 30.JUL.2020 11:22:10

Band Edge NVNT 802.11n(HT20) 5240MHz High Ant 1



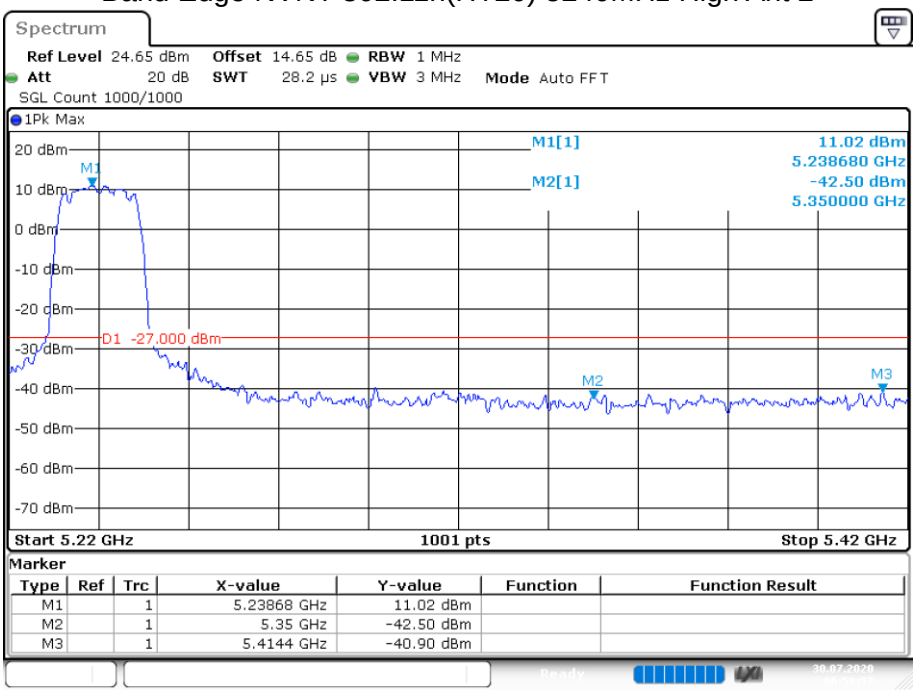

Date: 30.JUL.2020 11:24:37

Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant 2



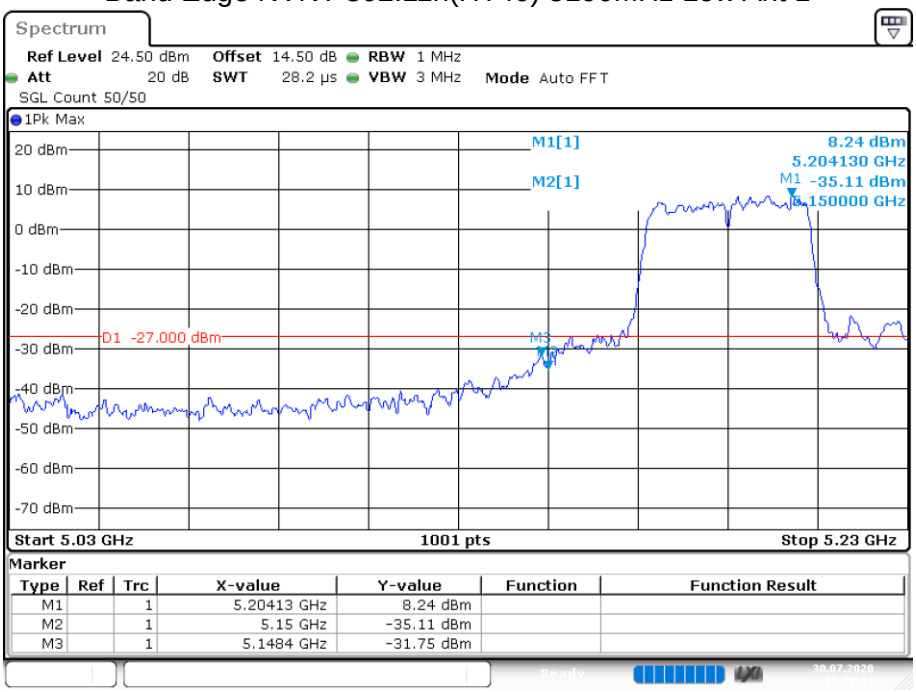

Date: 30.JUL.2020 06:56:33

Band Edge NVNT 802.11n(HT20) 5240MHz High Ant 2




Date: 30.JUL.2020 06:58:57

Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant 1

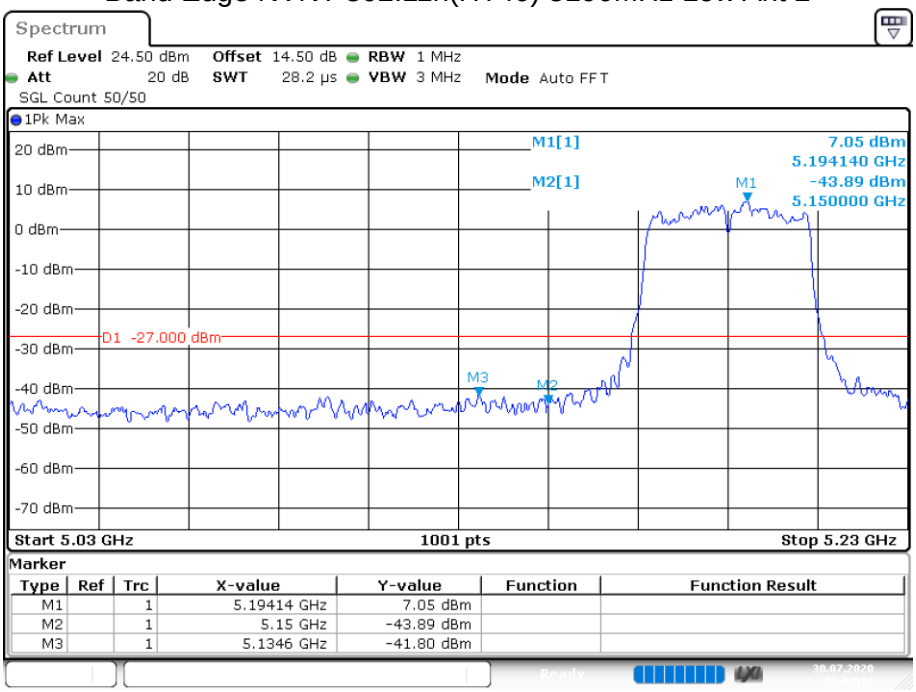



Date: 30.JUL.2020 11:30:05

Band Edge NVNT 802.11n(HT40) 5230MHz High Ant 1

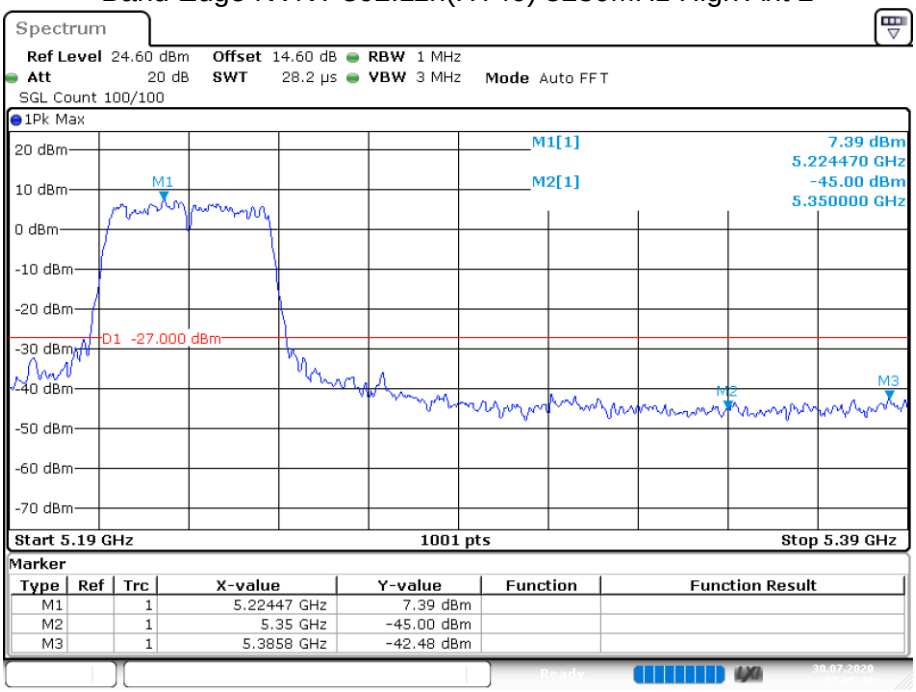
Date: 30.JUL.2020 11:31:19

Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant 2




Date: 30.JUL.2020 07:04:18

Band Edge NVNT 802.11n(HT40) 5230MHz High Ant 2

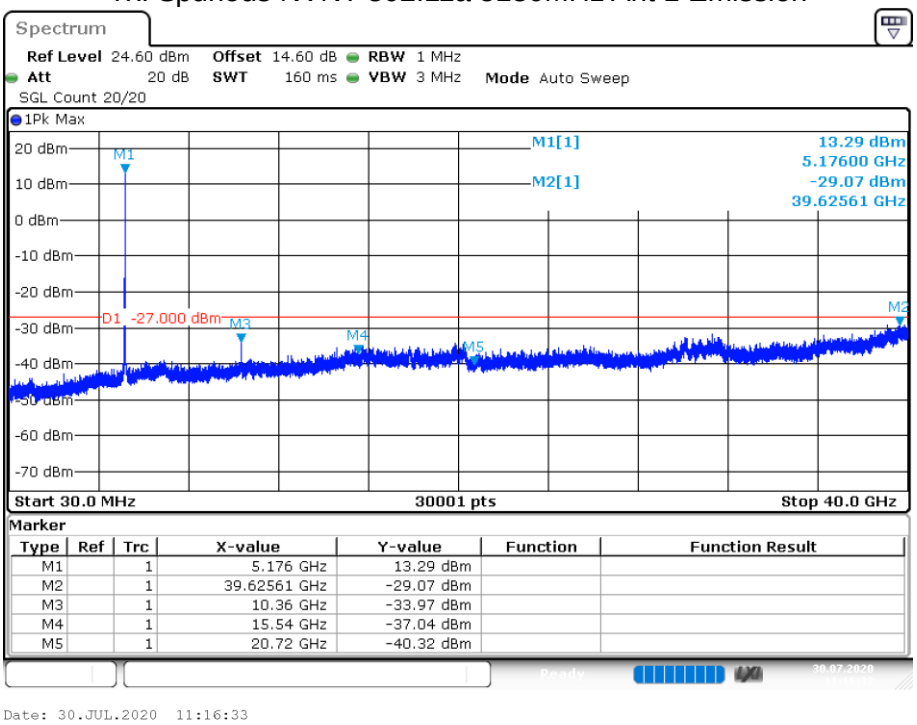



Date: 30.JUL.2020 07:05:30

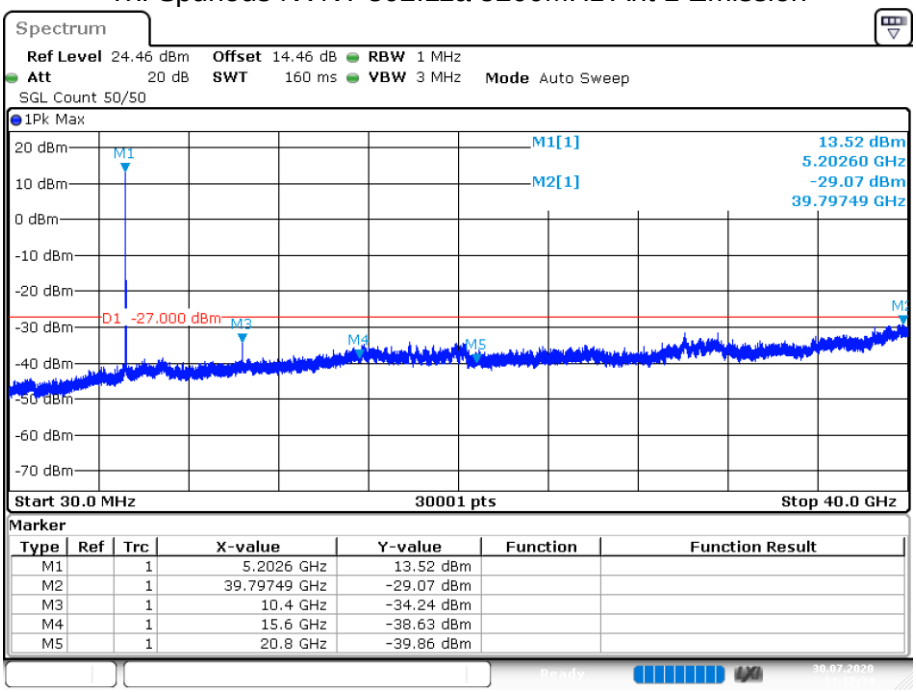
### 5.1.6 CONDUCTED RF SPURIOUS EMISSION

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | -29.06 | -27 | Pass |
| NVNT | 802.11a | 5200 | Ant 1 | -29.07 | -27 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | -28.33 | -27 | Pass |
| NVNT | 802.11a | 5180 | Ant 2 | -28.42 | -27 | Pass |
| NVNT | 802.11a | 5200 | Ant 2 | -28.36 | -27 | Pass |
| NVNT | 802.11a | 5240 | Ant 2 | -28.33 | -27 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | -28.83 | -27 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 1 | -29.51 | -27 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | -29.07 | -27 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 2 | -28.58 | -27 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 2 | -29.2 | -27 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 2 | -29.34 | -27 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | -29.11 | -27 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | -28.93 | -27 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 2 | -29.42 | -27 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 2 | -29.24 | -27 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | -28.4 | -27 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 2 | -28.76 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | -28.99 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 1 | -29.29 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | -28.83 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 2 | -27.62 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 2 | -29.53 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 2 | -28.3 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | -28.16 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | -29 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 2 | -29.08 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 2 | -28.3 | -27 | Pass |

Tx. Spurious NVNT 802.11a 5180MHz Ant 1 Emission

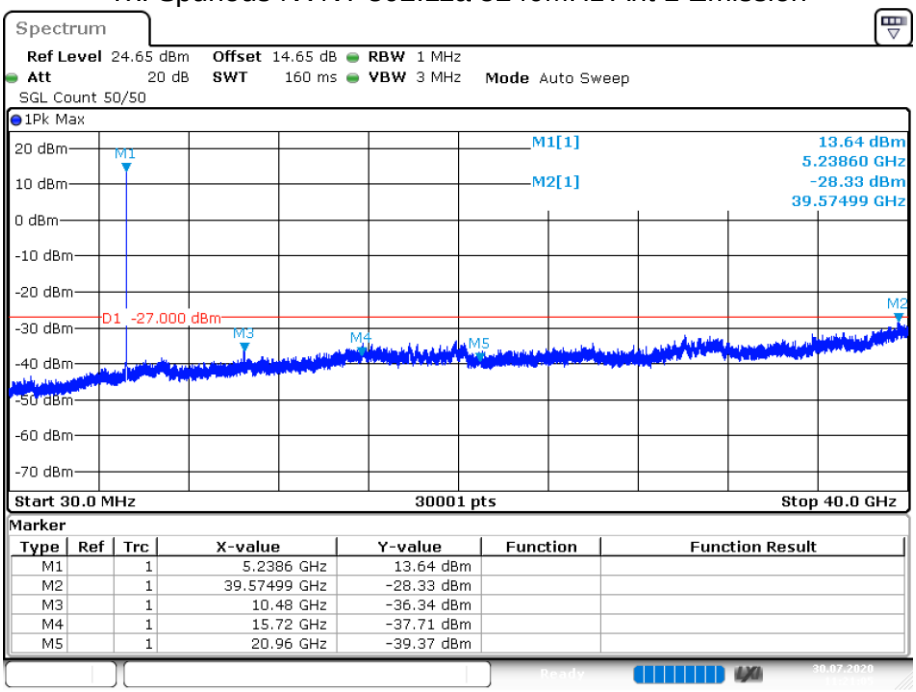


Tx. Spurious NVNT 802.11a 5200MHz Ant 1 Emission



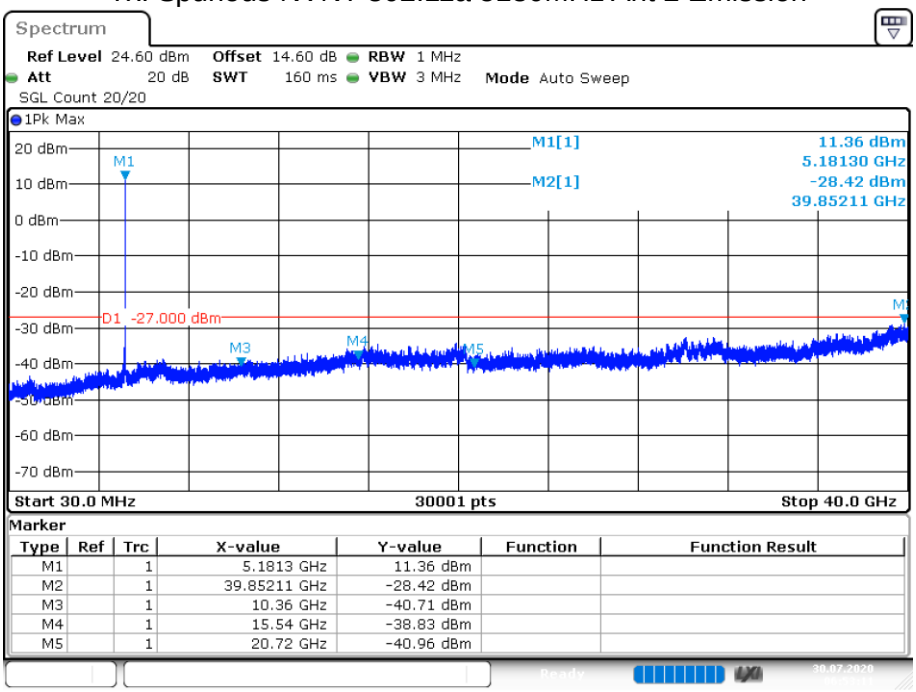

Date: 30.JUL.2020 11:17:34

Tx. Spurious NVNT 802.11a 5240MHz Ant 1 Emission



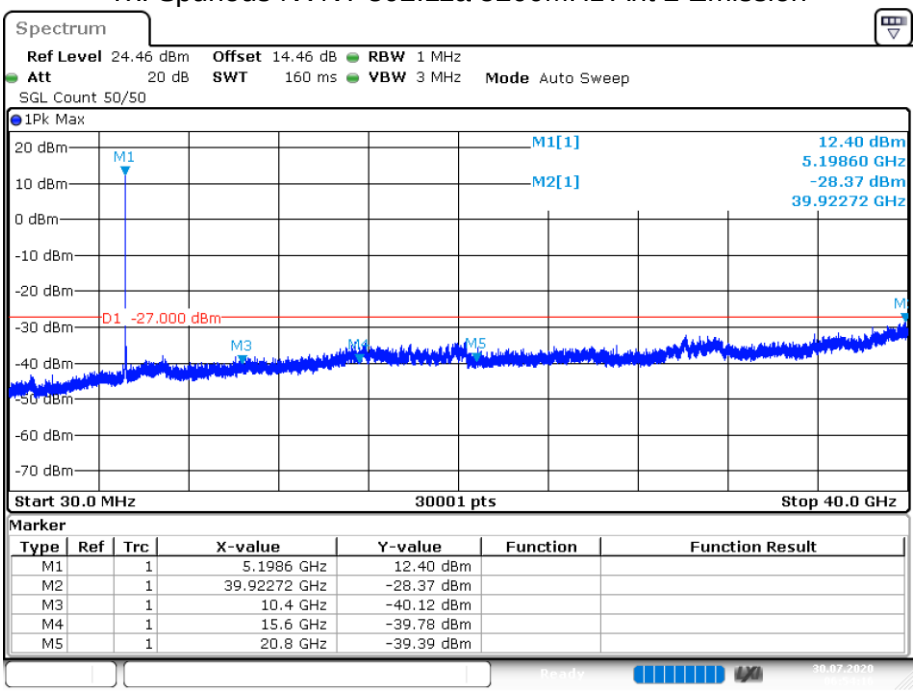

Date: 30.JUL.2020 11:21:05

Tx. Spurious NVNT 802.11a 5180MHz Ant 2 Emission



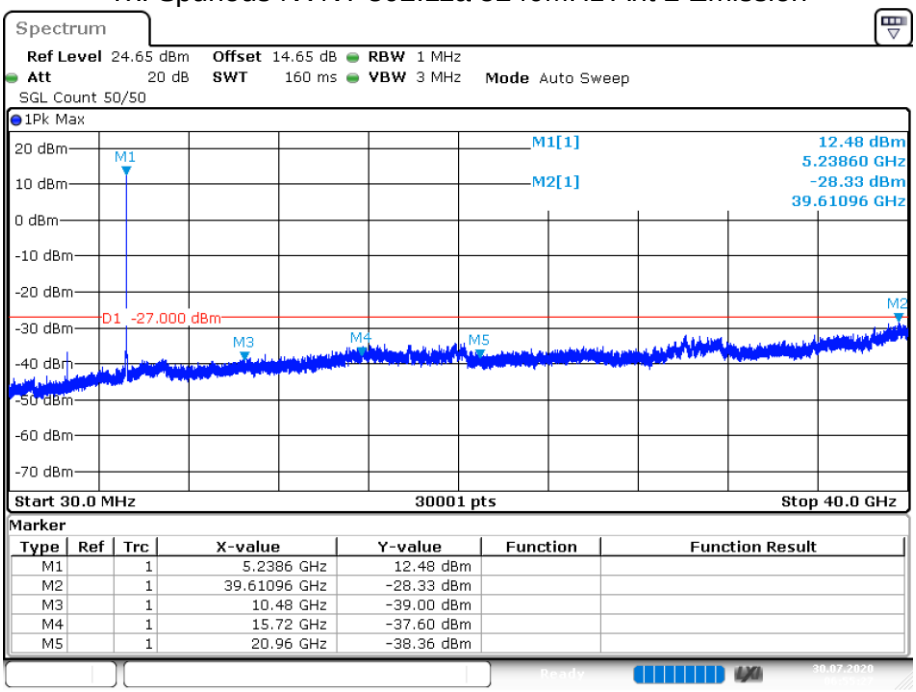

Date: 30.JUL.2020 06:53:11

Tx. Spurious NVNT 802.11a 5200MHz Ant 2 Emission




Date: 30.JUL.2020 06:54:16

## Tx. Spurious NVNT 802.11a 5240MHz Ant 2 Emission

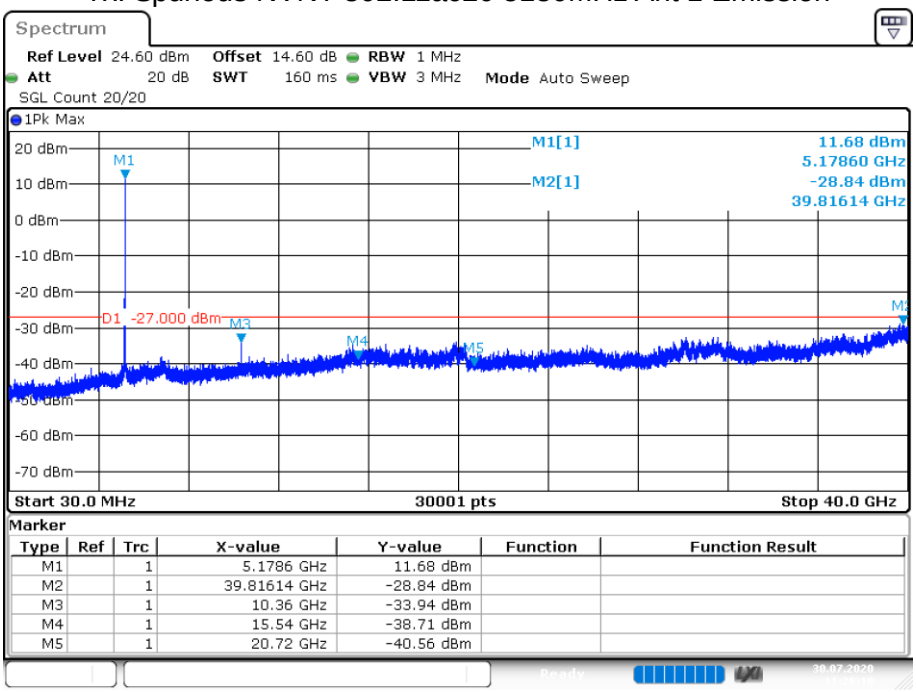



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2386 GHz | 12.48 dBm | | |
| M2 | | 1 | 39.61096 GHz | -28.33 dBm | | |
| M3 | | 1 | 10.48 GHz | -39.00 dBm | | |
| M4 | | 1 | 15.72 GHz | -37.60 dBm | | |
| M5 | | 1 | 20.96 GHz | -38.36 dBm | | |

Date: 30.JUL.2020 06:55:27

## Tx. Spurious NVNT 802.11ac20 5180MHz Ant 1 Emission

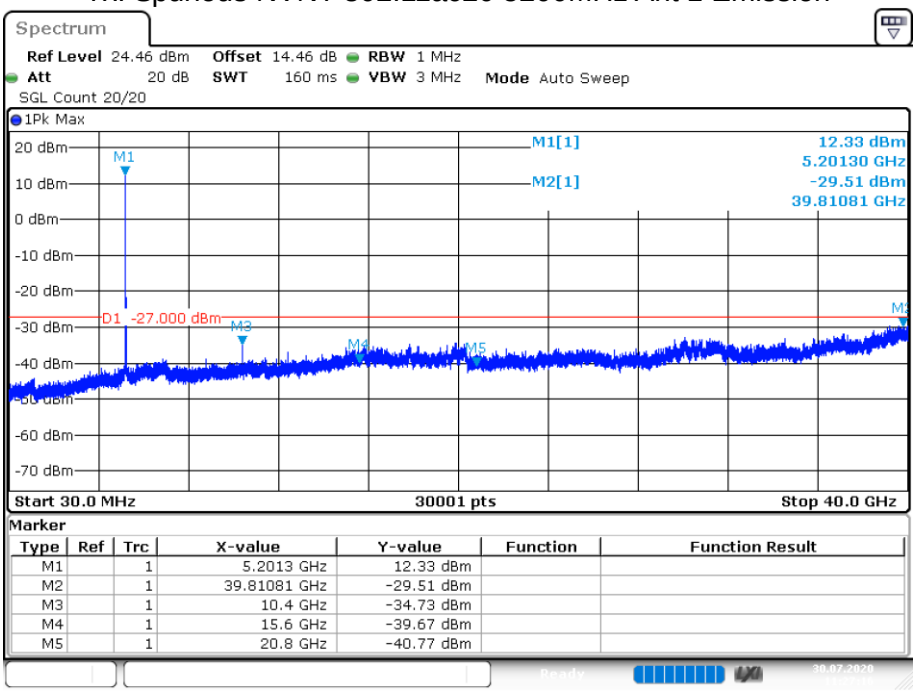



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1786 GHz | 11.68 dBm | | |
| M2 | | 1 | 39.81614 GHz | -28.84 dBm | | |
| M3 | | 1 | 10.36 GHz | -33.94 dBm | | |
| M4 | | 1 | 15.54 GHz | -38.71 dBm | | |
| M5 | | 1 | 20.72 GHz | -40.56 dBm | | |

Date: 30.JUL.2020 11:26:11

Tx. Spurious NVNT 802.11ac20 5200MHz Ant 1 Emission

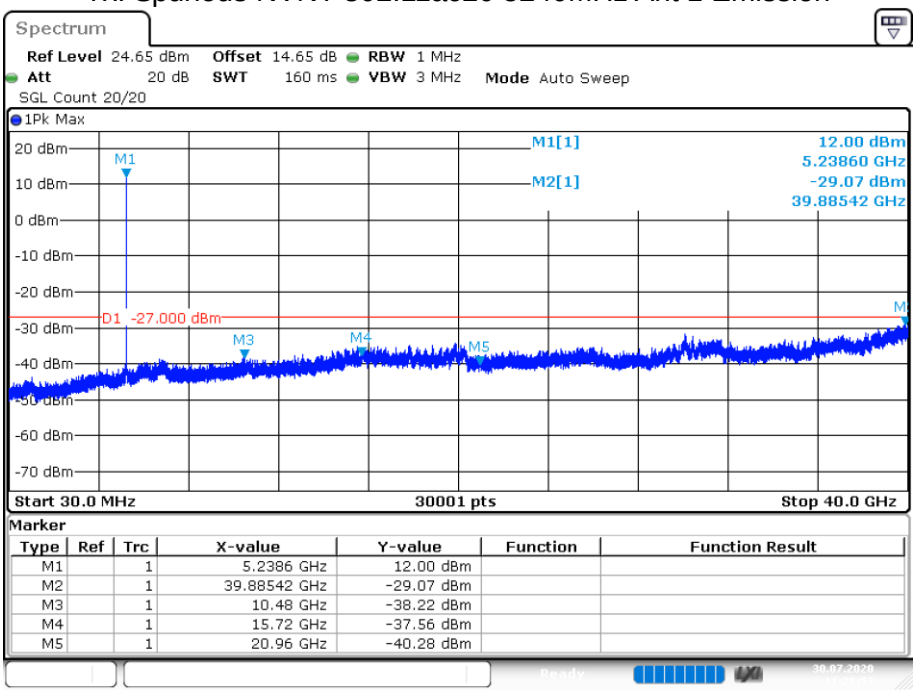



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2013 GHz | 12.33 dBm | | |
| M2 | | 1 | 39.81081 GHz | -29.51 dBm | | |
| M3 | | 1 | 10.4 GHz | -34.73 dBm | | |
| M4 | | 1 | 15.6 GHz | -39.67 dBm | | |
| M5 | | 1 | 20.8 GHz | -40.77 dBm | | |

Date: 30.JUL.2020 11:27:17

Tx. Spurious NVNT 802.11ac20 5240MHz Ant 1 Emission

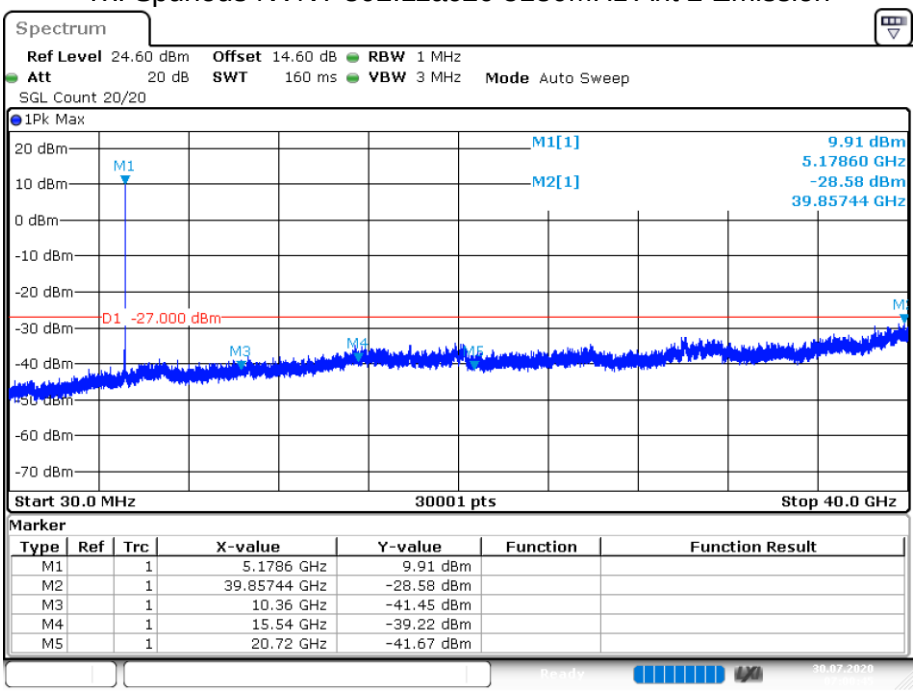



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2386 GHz | 12.00 dBm | | |
| M2 | | 1 | 39.88542 GHz | -29.07 dBm | | |
| M3 | | 1 | 10.48 GHz | -38.22 dBm | | |
| M4 | | 1 | 15.72 GHz | -37.56 dBm | | |
| M5 | | 1 | 20.96 GHz | -40.28 dBm | | |

Date: 30.JUL.2020 11:28:54

Tx. Spurious NVNT 802.11ac20 5180MHz Ant 2 Emission

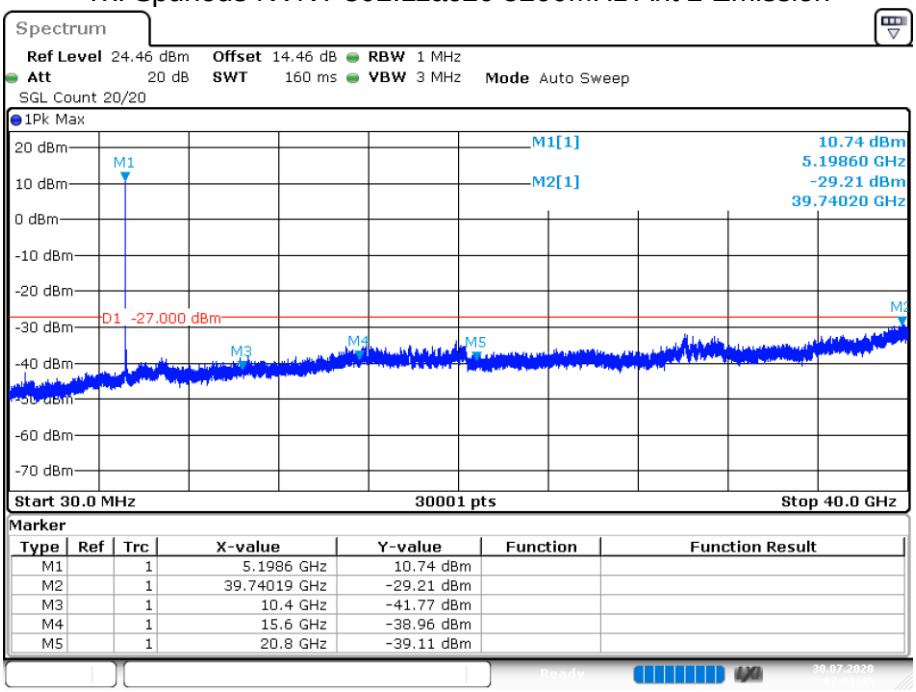



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1786 GHz | 9.91 dBm | | |
| M2 | | 1 | 39.85744 GHz | -28.58 dBm | | |
| M3 | | 1 | 10.36 GHz | -41.45 dBm | | |
| M4 | | 1 | 15.54 GHz | -39.22 dBm | | |
| M5 | | 1 | 20.72 GHz | -41.67 dBm | | |

Date: 30.JUL.2020 07:00:45

Tx. Spurious NVNT 802.11ac20 5200MHz Ant 2 Emission

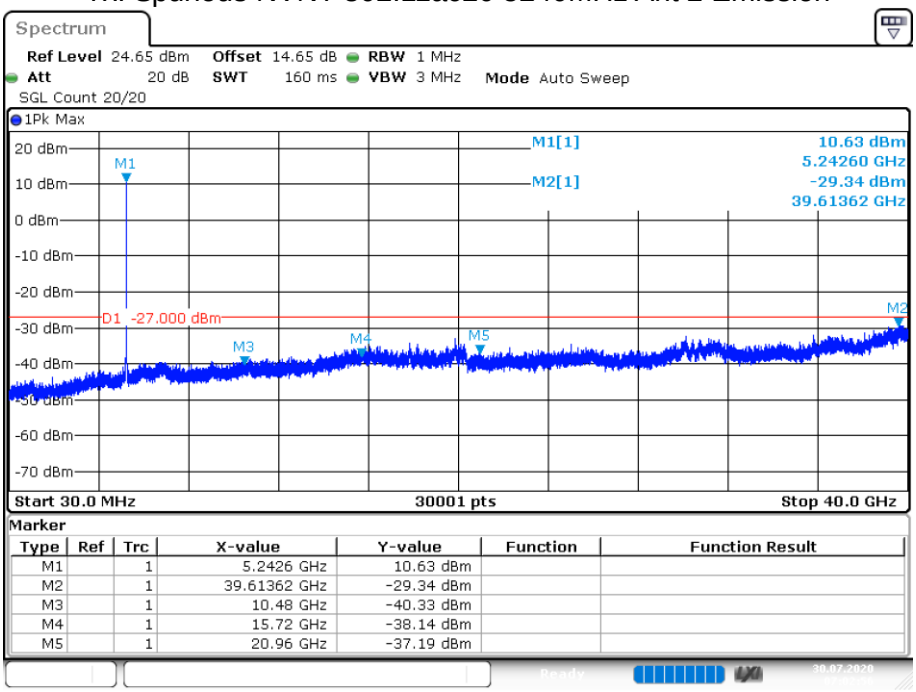



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1986 GHz | 10.74 dBm | | |
| M2 | | 1 | 39.74019 GHz | -29.21 dBm | | |
| M3 | | 1 | 10.4 GHz | -41.77 dBm | | |
| M4 | | 1 | 15.6 GHz | -38.96 dBm | | |
| M5 | | 1 | 20.8 GHz | -39.11 dBm | | |

Date: 30.JUL.2020 07:01:45

Tx. Spurious NVNT 802.11ac20 5240MHz Ant 2 Emission

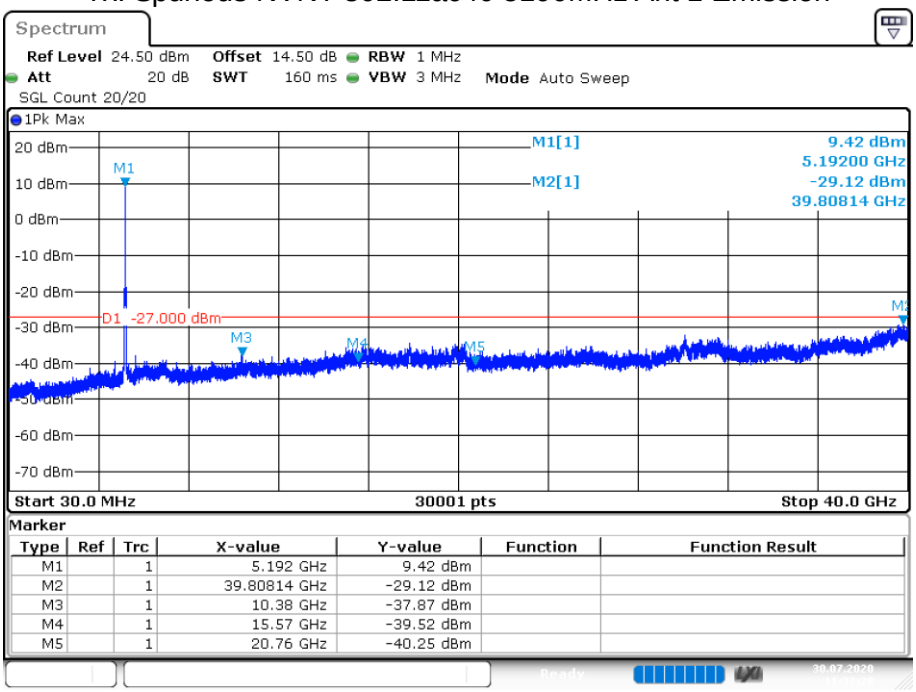



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2426 GHz | 10.63 dBm | | |
| M2 | | 1 | 39.61362 GHz | -29.34 dBm | | |
| M3 | | 1 | 10.48 GHz | -40.33 dBm | | |
| M4 | | 1 | 15.72 GHz | -38.14 dBm | | |
| M5 | | 1 | 20.96 GHz | -37.19 dBm | | |

Date: 30.JUL.2020 07:02:56

Tx. Spurious NVNT 802.11ac40 5190MHz Ant 1 Emission

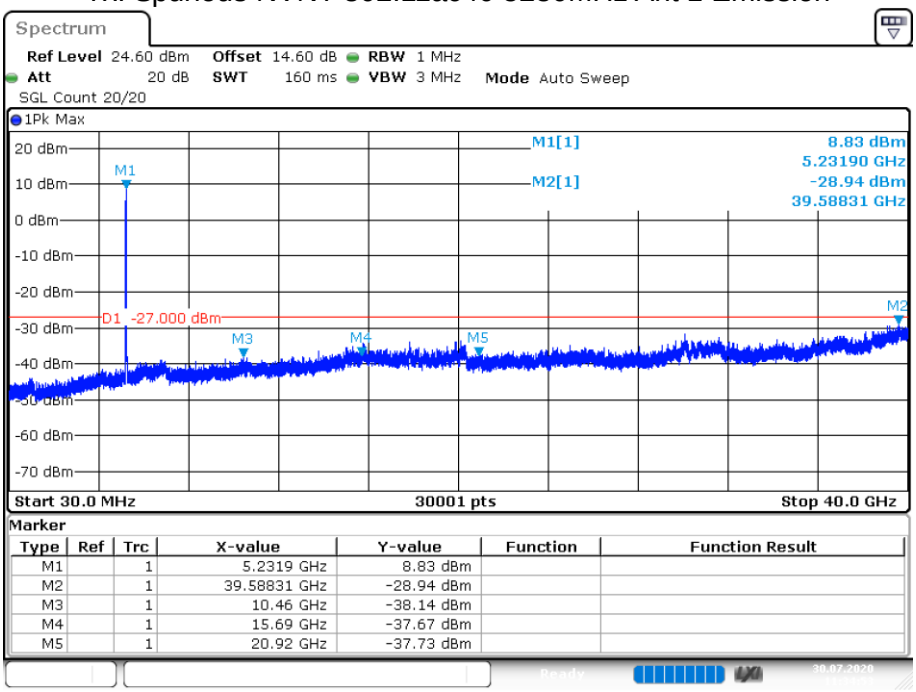



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.192 GHz | 9.42 dBm | | |
| M2 | | 1 | 39.80814 GHz | -29.12 dBm | | |
| M3 | | 1 | 10.38 GHz | -37.87 dBm | | |
| M4 | | 1 | 15.57 GHz | -39.52 dBm | | |
| M5 | | 1 | 20.76 GHz | -40.25 dBm | | |

Date: 30.JUL.2020 11:33:29

Tx. Spurious NVNT 802.11ac40 5230MHz Ant 1 Emission

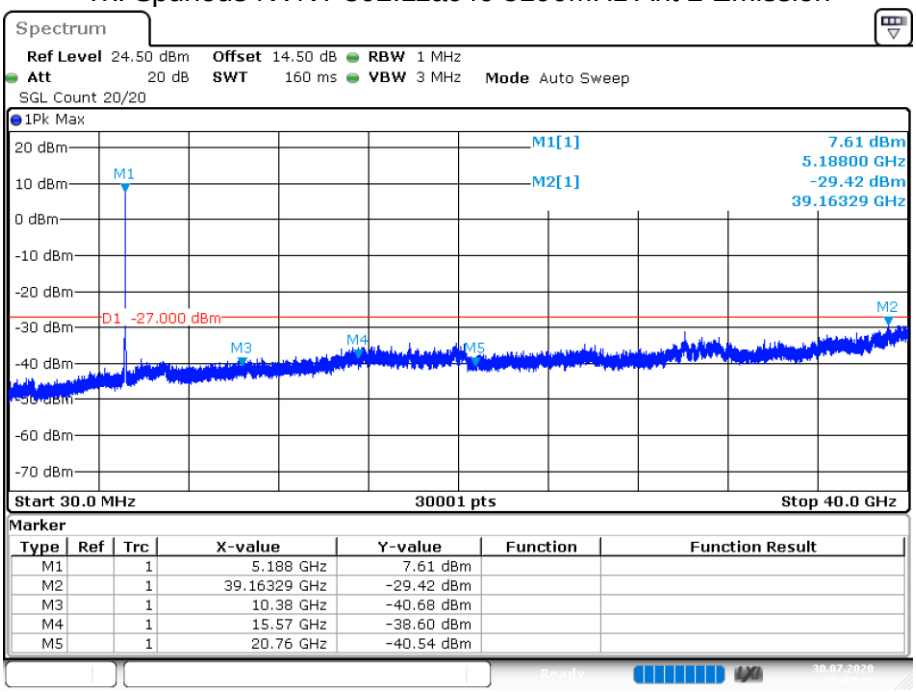



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2319 GHz | 8.83 dBm | | |
| M2 | | 1 | 39.58831 GHz | -28.94 dBm | | |
| M3 | | 1 | 10.46 GHz | -38.14 dBm | | |
| M4 | | 1 | 15.69 GHz | -37.67 dBm | | |
| M5 | | 1 | 20.92 GHz | -37.73 dBm | | |

Date: 30.JUL.2020 11:34:54

Tx. Spurious NVNT 802.11ac40 5190MHz Ant 2 Emission

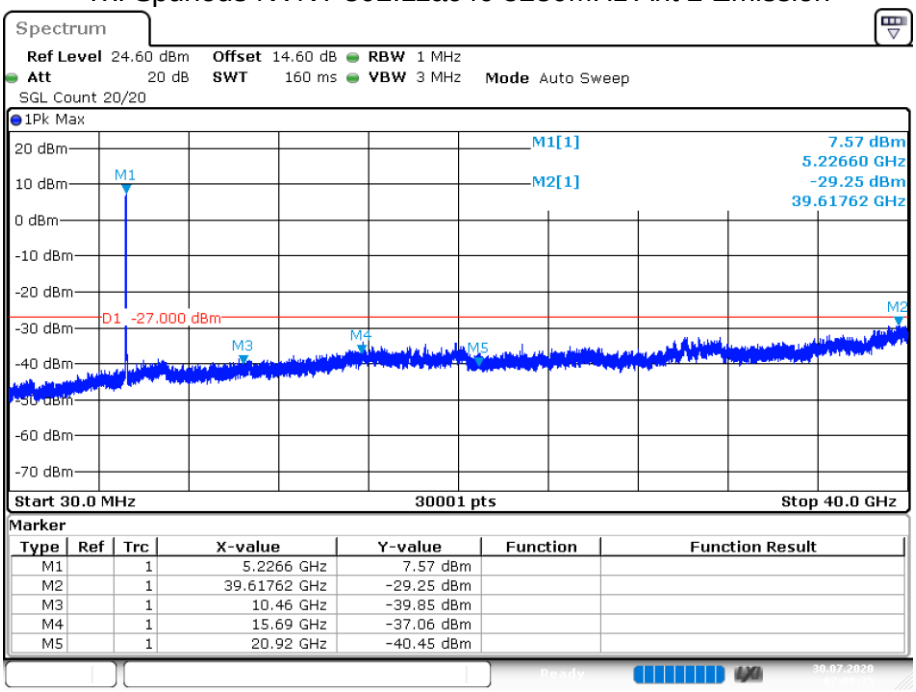



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.188 GHz | 7.61 dBm | | |
| M2 | | 1 | 39.16329 GHz | -29.42 dBm | | |
| M3 | | 1 | 10.38 GHz | -40.68 dBm | | |
| M4 | | 1 | 15.57 GHz | -38.60 dBm | | |
| M5 | | 1 | 20.76 GHz | -40.54 dBm | | |

Date: 30.JUL.2020 07:07:16

Tx. Spurious NVNT 802.11ac40 5230MHz Ant 2 Emission

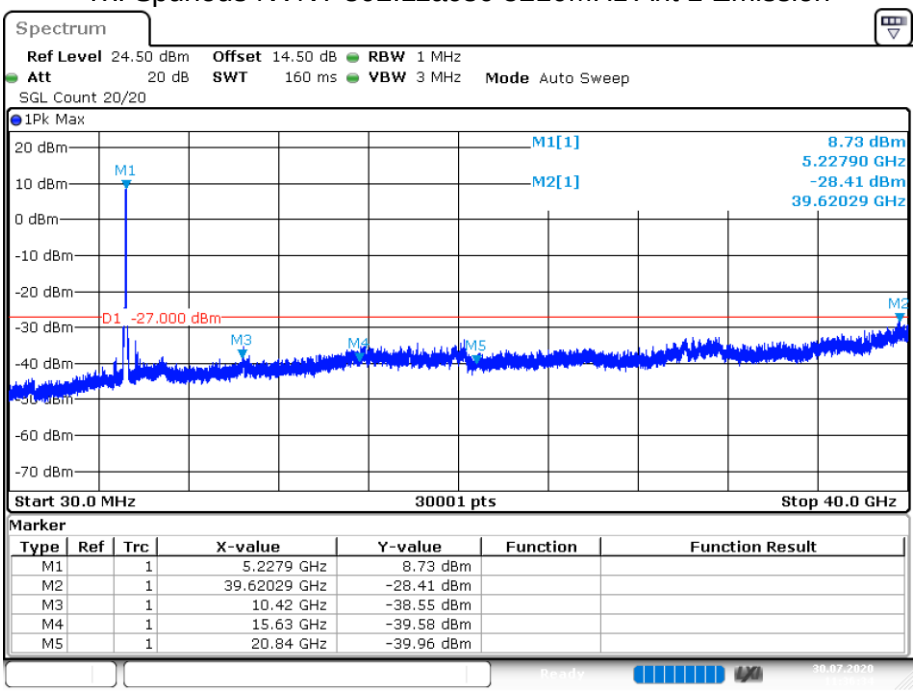



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2266 GHz | 7.57 dBm | | |
| M2 | | 1 | 39.61762 GHz | -29.25 dBm | | |
| M3 | | 1 | 10.46 GHz | -39.85 dBm | | |
| M4 | | 1 | 15.69 GHz | -37.06 dBm | | |
| M5 | | 1 | 20.92 GHz | -40.45 dBm | | |

Date: 30.JUL.2020 07:08:35

Tx. Spurious NVNT 802.11ac80 5210MHz Ant 1 Emission

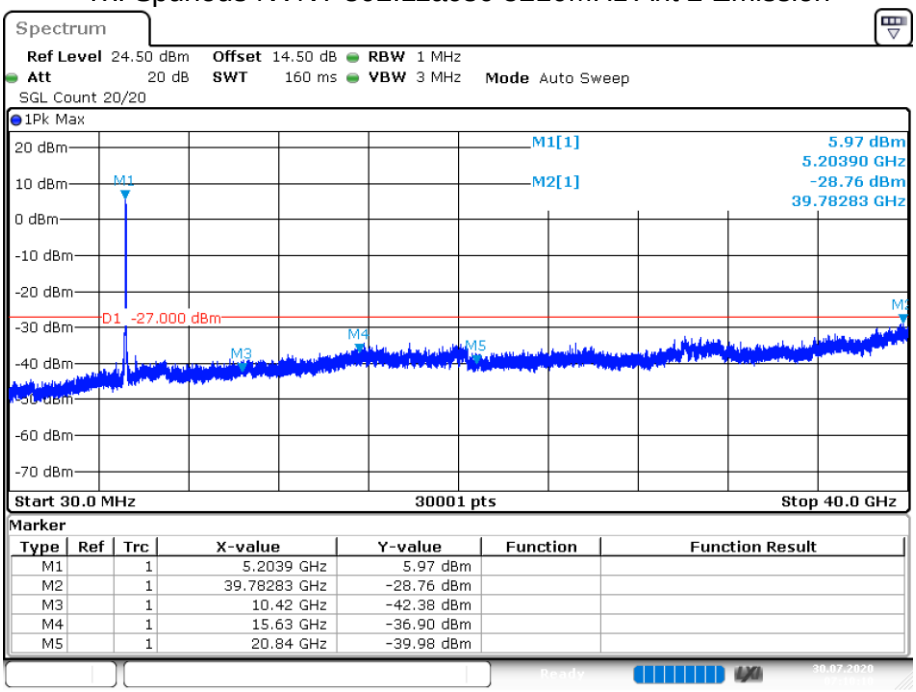



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2279 GHz | 8.73 dBm | | |
| M2 | | 1 | 39.62029 GHz | -28.41 dBm | | |
| M3 | | 1 | 10.42 GHz | -38.55 dBm | | |
| M4 | | 1 | 15.63 GHz | -39.58 dBm | | |
| M5 | | 1 | 20.84 GHz | -39.96 dBm | | |

Date: 30.JUL.2020 11:36:35

Tx. Spurious NVNT 802.11ac80 5210MHz Ant 2 Emission

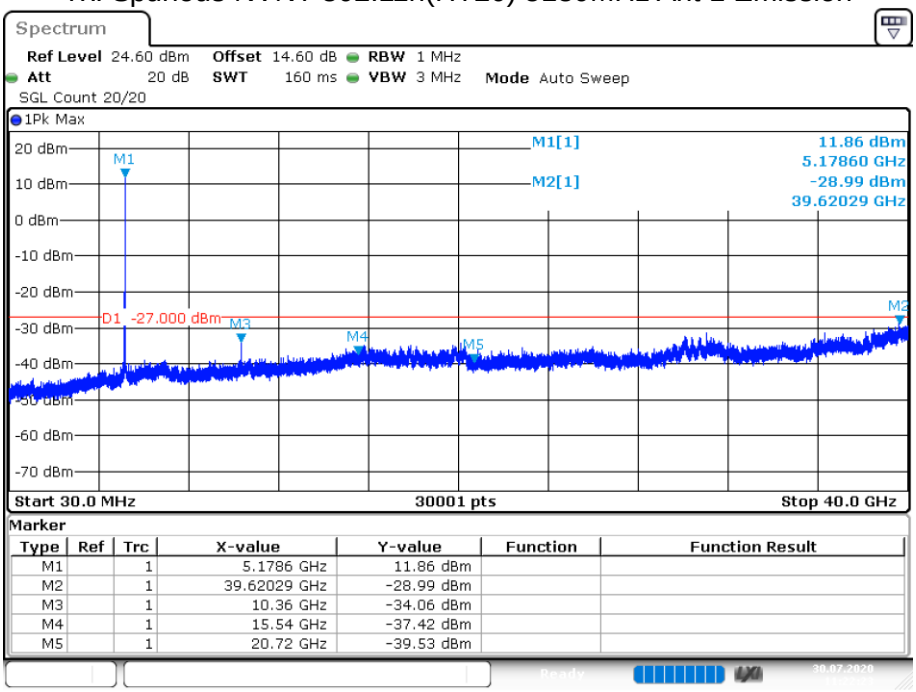



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2039 GHz | 5.97 dBm | | |
| M2 | | 1 | 39.78283 GHz | -28.76 dBm | | |
| M3 | | 1 | 10.42 GHz | -42.38 dBm | | |
| M4 | | 1 | 15.63 GHz | -36.90 dBm | | |
| M5 | | 1 | 20.84 GHz | -39.98 dBm | | |

Date: 30.JUL.2020 07:10:10

Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant 1 Emission

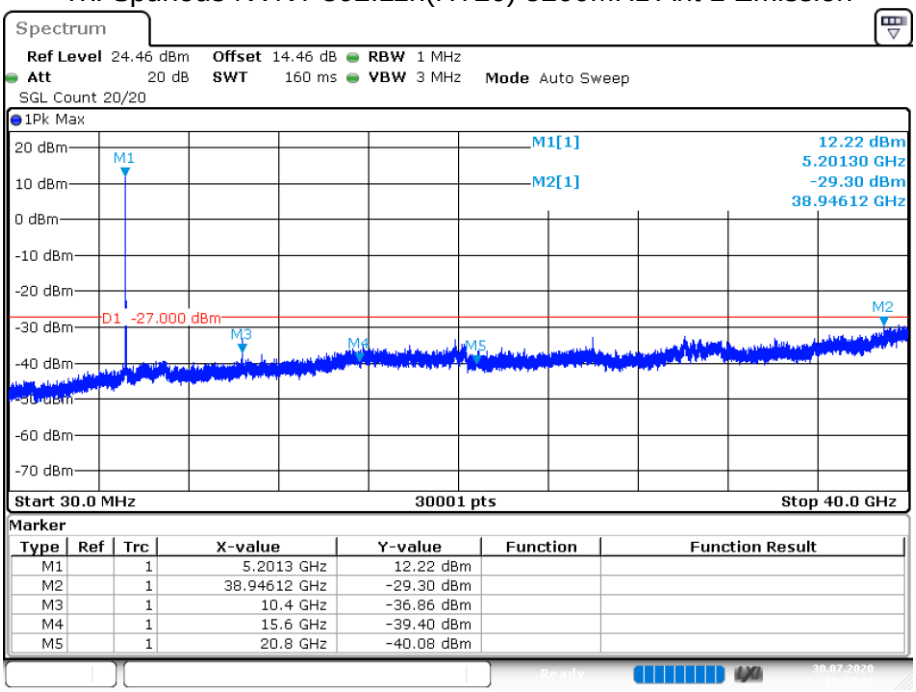



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1786 GHz | 11.86 dBm | | |
| M2 | | 1 | 39.62029 GHz | -28.99 dBm | | |
| M3 | | 1 | 10.36 GHz | -34.06 dBm | | |
| M4 | | 1 | 15.54 GHz | -37.42 dBm | | |
| M5 | | 1 | 20.72 GHz | -39.53 dBm | | |

Date: 30.JUL.2020 11:22:24

Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant 1 Emission

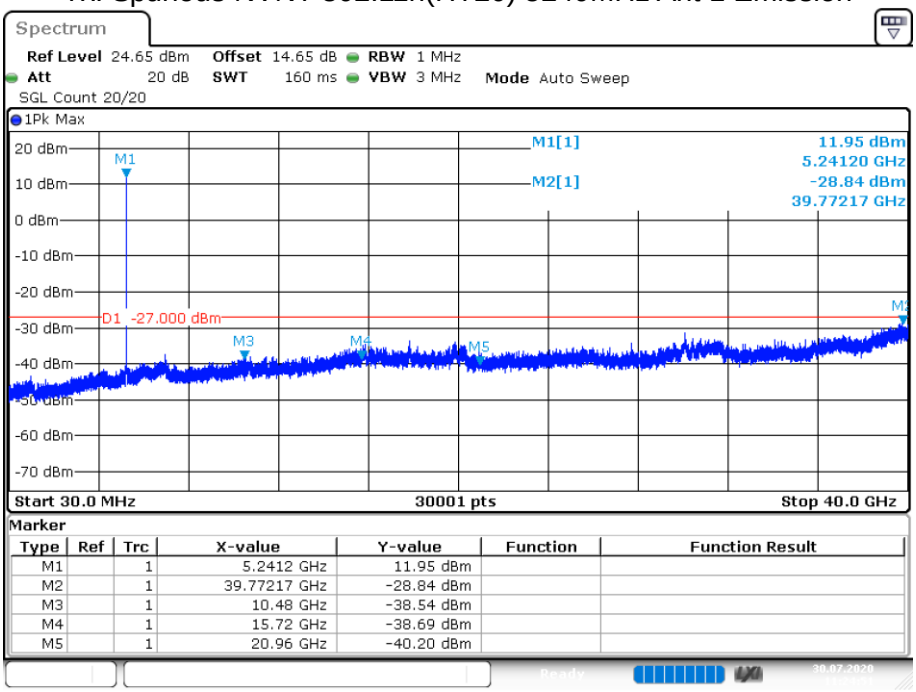



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2013 GHz | 12.22 dBm | | |
| M2 | | 1 | 38.94612 GHz | -29.30 dBm | | |
| M3 | | 1 | 10.4 GHz | -36.86 dBm | | |
| M4 | | 1 | 15.6 GHz | -39.40 dBm | | |
| M5 | | 1 | 20.8 GHz | -40.08 dBm | | |

Date: 30.JUL.2020 11:23:24

Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant 1 Emission

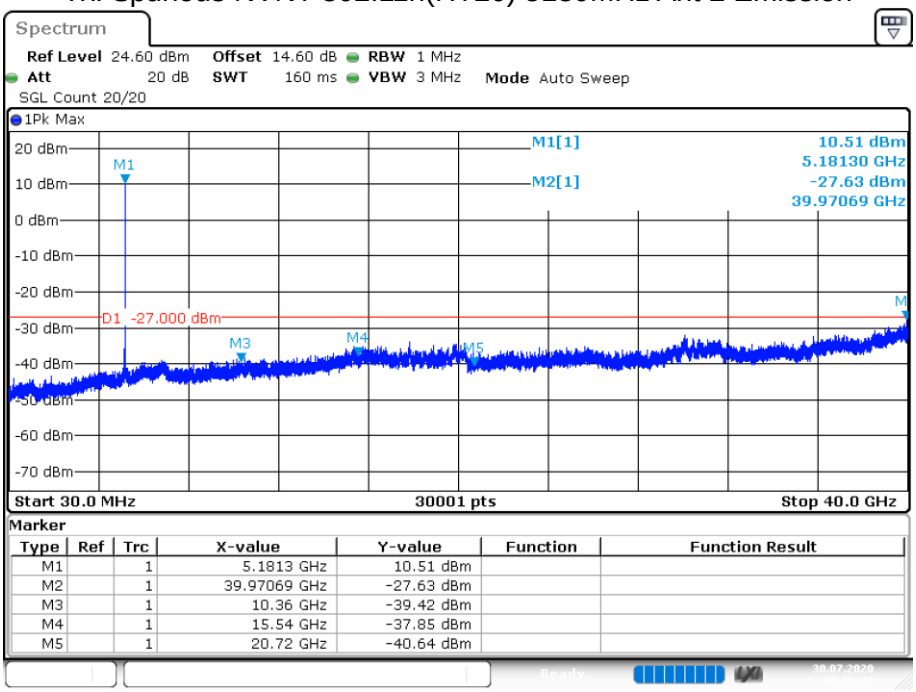



Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2412 GHz | 11.95 dBm | | |
| M2 | | 1 | 39.77217 GHz | -28.84 dBm | | |
| M3 | | 1 | 10.48 GHz | -38.54 dBm | | |
| M4 | | 1 | 15.72 GHz | -38.69 dBm | | |
| M5 | | 1 | 20.96 GHz | -40.20 dBm | | |

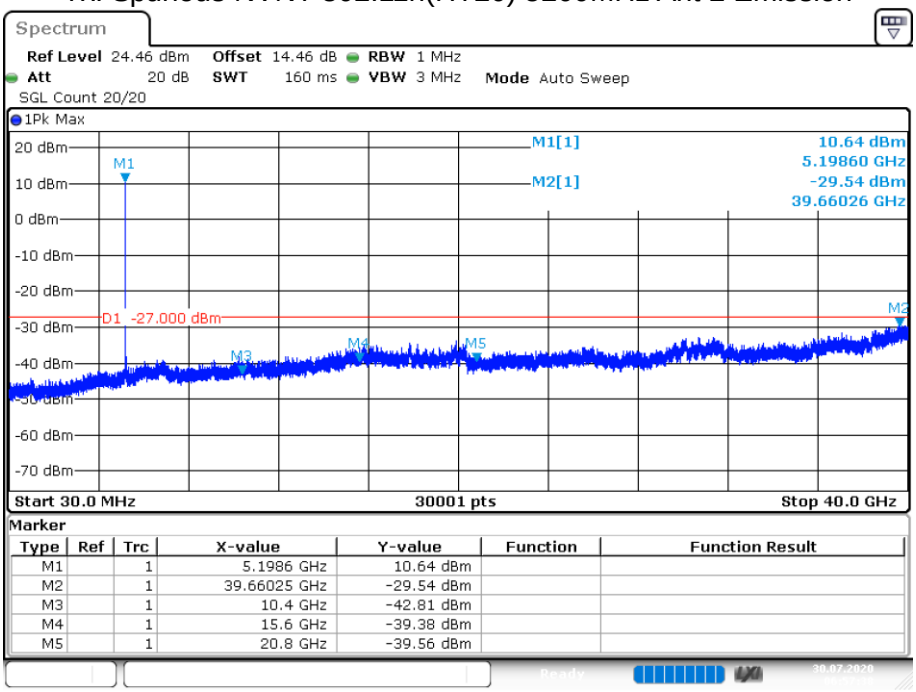
Date: 30.JUL.2020 11:24:52

Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant 2 Emission



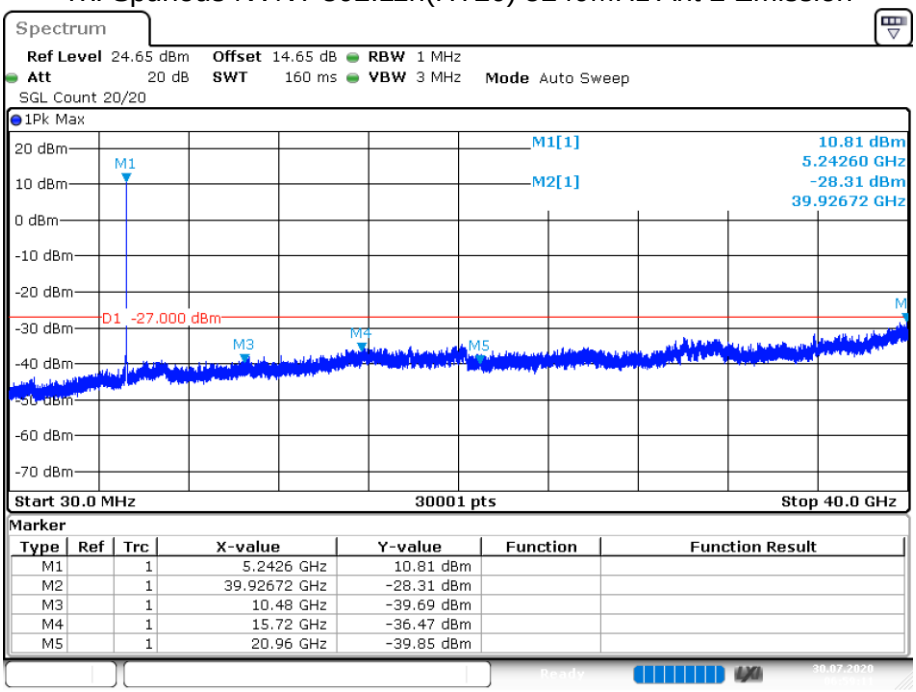

Date: 30.JUL.2020 06:56:47

Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant 2 Emission



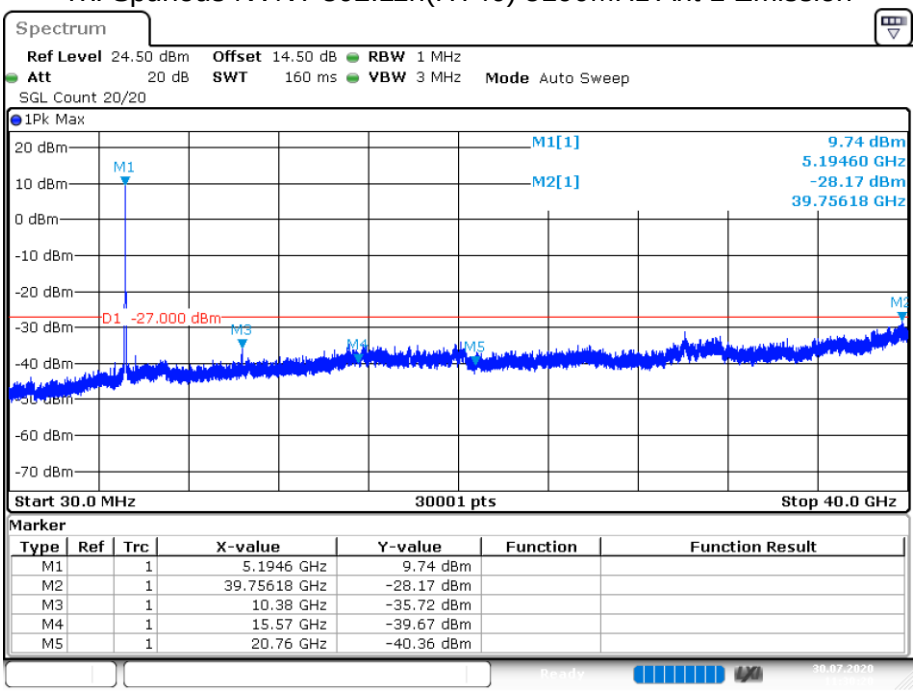

Date: 30.JUL.2020 06:57:38

Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant 2 Emission



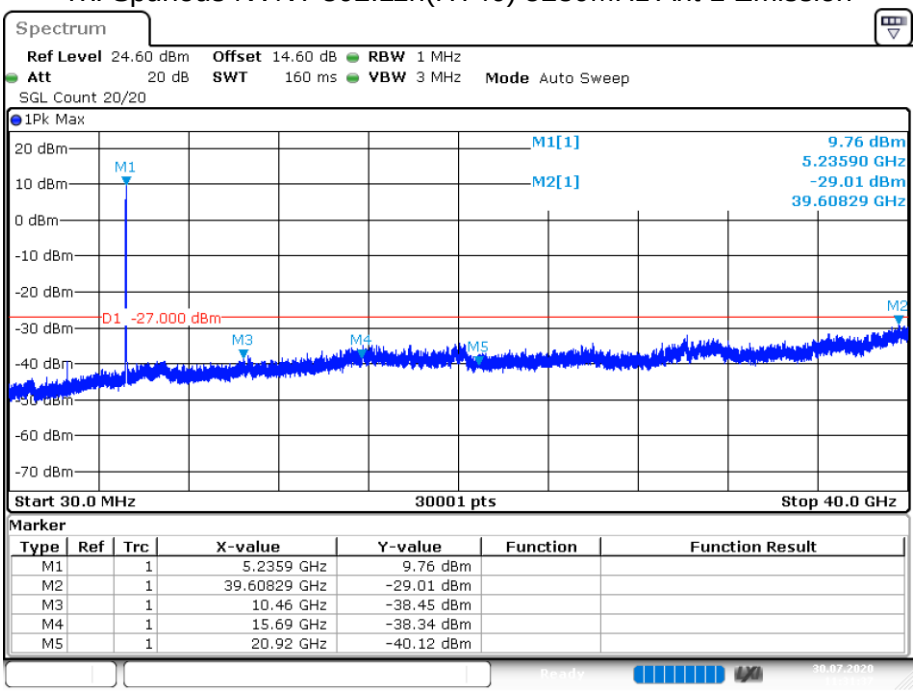

Date: 30.JUL.2020 06:59:11

Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant 1 Emission



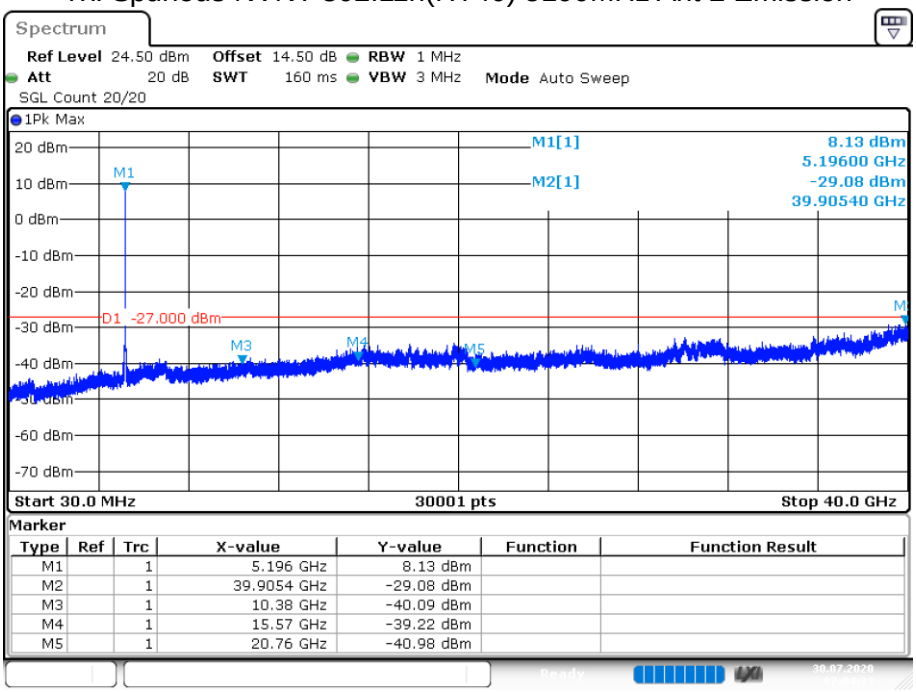

Date: 30.JUL.2020 11:30:21

Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant 1 Emission



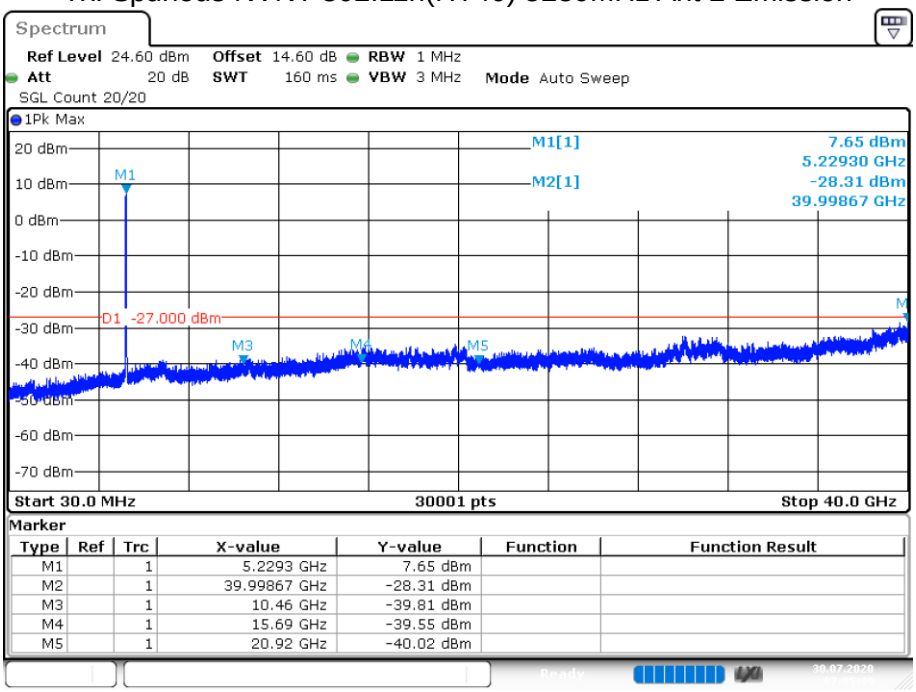

Date: 30.JUL.2020 11:31:37

Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant 2 Emission




Date: 30.JUL.2020 07:04:33

Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant 2 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2293 GHz | 7.65 dBm | | |
| M2 | | 1 | 39.99867 GHz | -28.31 dBm | | |
| M3 | | 1 | 10.46 GHz | -39.81 dBm | | |
| M4 | | 1 | 15.69 GHz | -39.55 dBm | | |
| M5 | | 1 | 20.92 GHz | -40.02 dBm | | |

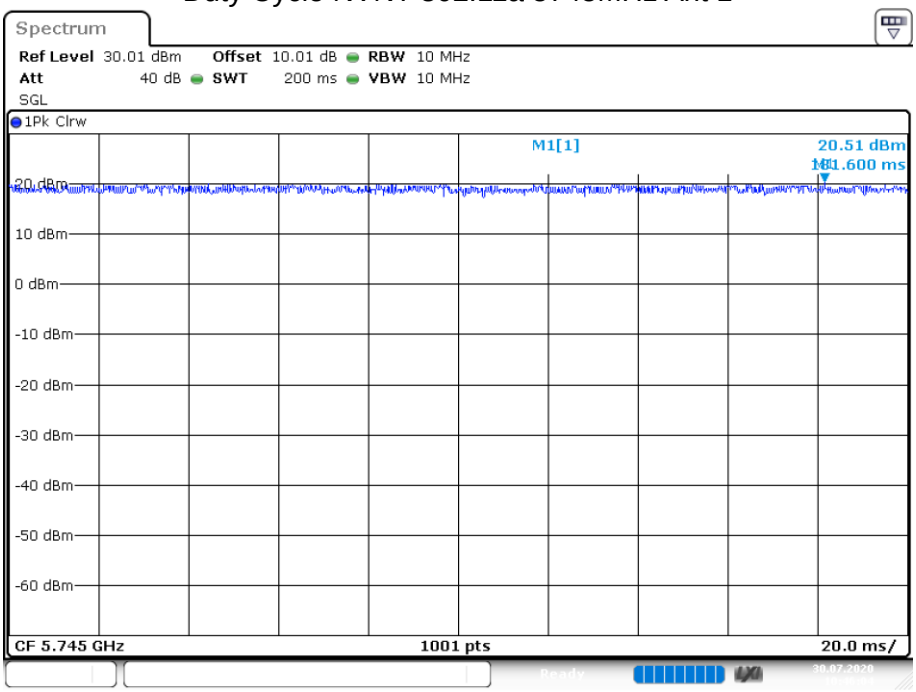
Date: 30.JUL.2020 07:05:49

**5.8G:**

**5.2.1 DUTY CYCLE**

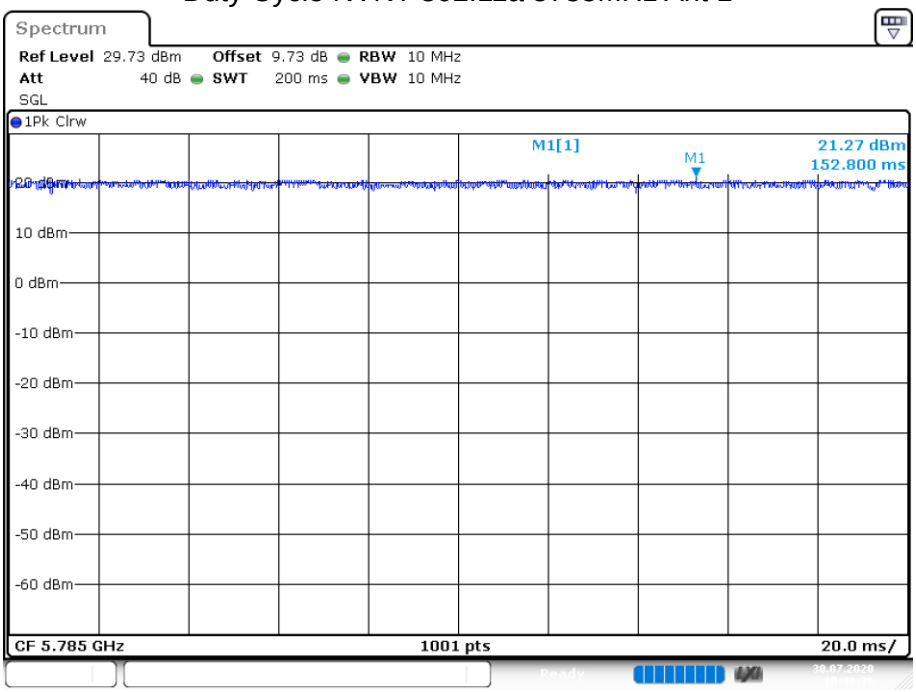
| Antenna | Condition | Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor (dB) |
|---|---|---|---|---|---|
| Ant 1 | NVNT | 802.11a | 5745 | 100 | 0 |
| Ant 1 | NVNT | 802.11a | 5785 | 100 | 0 |
| Ant 1 | NVNT | 802.11a | 5825 | 100 | 0 |
| Ant 2 | NVNT | 802.11a | 5745 | 100 | 0 |
| Ant 2 | NVNT | 802.11a | 5785 | 100 | 0 |
| Ant 2 | NVNT | 802.11a | 5825 | 100 | 0 |
| Ant 1 | NVNT | 802.11ac20 | 5745 | 100 | 0 |
| Ant 1 | NVNT | 802.11ac20 | 5785 | 100 | 0 |
| Ant 1 | NVNT | 802.11ac20 | 5825 | 100 | 0 |
| Ant 2 | NVNT | 802.11ac20 | 5745 | 100 | 0 |
| Ant 2 | NVNT | 802.11ac20 | 5785 | 100 | 0 |
| Ant 2 | NVNT | 802.11ac20 | 5825 | 100 | 0 |
| Ant 1 | NVNT | 802.11ac40 | 5755 | 100 | 0 |
| Ant 1 | NVNT | 802.11ac40 | 5795 | 100 | 0 |
| Ant 2 | NVNT | 802.11ac40 | 5755 | 100 | 0 |
| Ant 2 | NVNT | 802.11ac40 | 5795 | 100 | 0 |
| Ant 1 | NVNT | 802.11ac80 | 5775 | 100 | 0 |
| Ant 2 | NVNT | 802.11ac80 | 5775 | 100 | 0 |
| Ant 1 | NVNT | 802.11n(HT20) | 5745 | 100 | 0 |
| Ant 1 | NVNT | 802.11n(HT20) | 5785 | 100 | 0 |
| Ant 1 | NVNT | 802.11n(HT20) | 5825 | 100 | 0 |
| Ant 2 | NVNT | 802.11n(HT20) | 5745 | 100 | 0 |
| Ant 2 | NVNT | 802.11n(HT20) | 5785 | 100 | 0 |
| Ant 2 | NVNT | 802.11n(HT20) | 5825 | 100 | 0 |
| Ant 1 | NVNT | 802.11n(HT40) | 5755 | 100 | 0 |
| Ant 1 | NVNT | 802.11n(HT40) | 5795 | 100 | 0 |
| Ant 2 | NVNT | 802.11n(HT40) | 5755 | 100 | 0 |
| Ant 2 | NVNT | 802.11n(HT40) | 5795 | 100 | 0 |

Duty Cycle NVNT 802.11a 5745MHz Ant 1



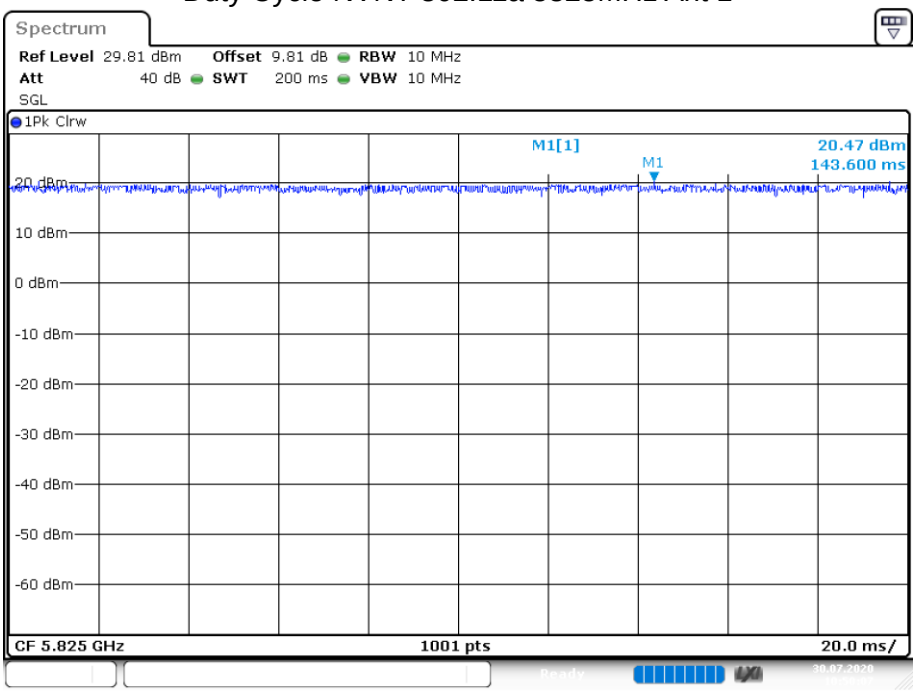

Date: 30.JUL.2020 10:46:04

Duty Cycle NVNT 802.11a 5785MHz Ant 1



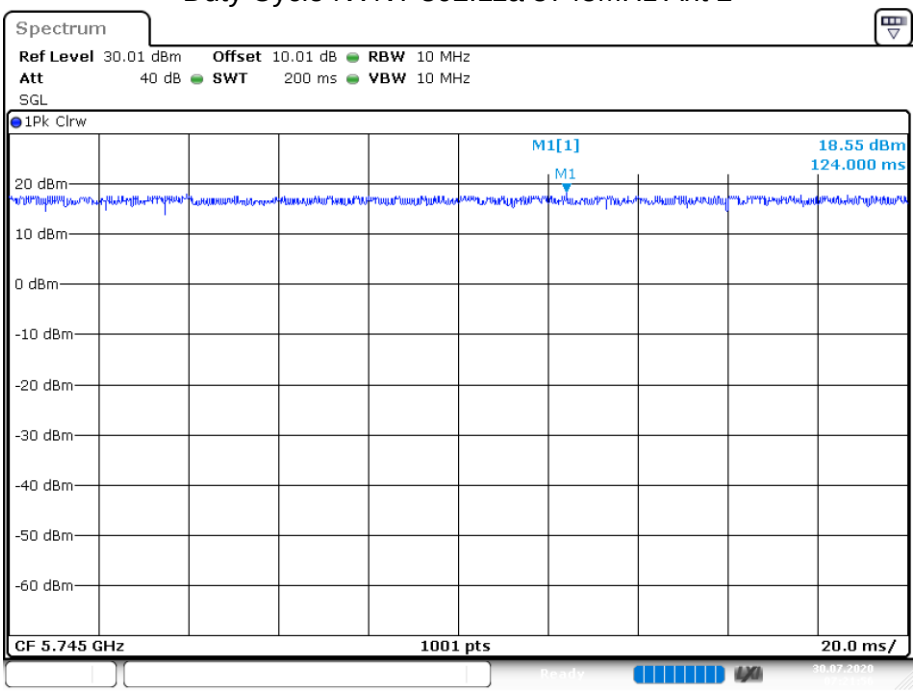

Date: 30.JUL.2020 10:48:37

Duty Cycle NVNT 802.11a 5825MHz Ant 1




Date: 30.JUL.2020 10:50:07

Duty Cycle NVNT 802.11a 5745MHz Ant 2




Date: 30.JUL.2020 07:21:56