

## MIMO

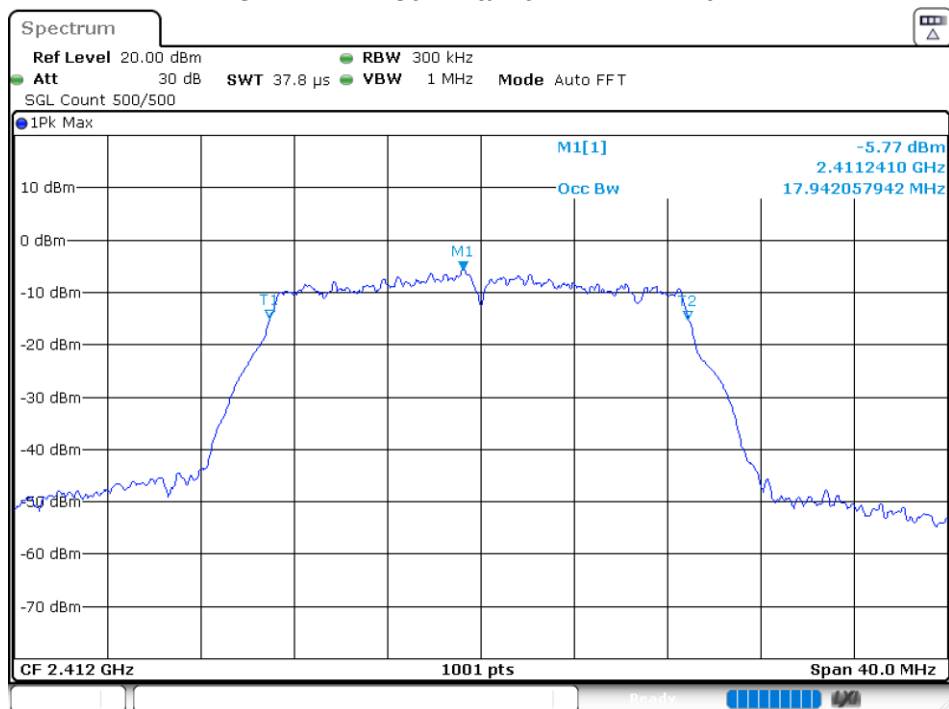
### 8.6 MAXIMUM CONDUCTED OUTPUT POWER

| Condition | Mode          | Frequency (MHz) | Antenna | Conducted Power (dBm) | MIMO Power (dBm) | Limit (dBm) | Verdict |
|-----------|---------------|-----------------|---------|-----------------------|------------------|-------------|---------|
| NVNT      | 802.11ax20    | 2412            | Ant 1   | 10.11                 | 13.12            | 30          | Pass    |
| NVNT      | 802.11ax20    | 2412            | Ant 2   | 10.1                  |                  |             | Pass    |
| NVNT      | 802.11ax20    | 2440            | Ant 1   | 10.1                  | 13.11            | 30          | Pass    |
| NVNT      | 802.11ax20    | 2440            | Ant 2   | 10.05                 |                  |             | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 1   | 10.08                 | 13.26            | 30          | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 2   | 10.41                 |                  |             | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 1   | 11.17                 | 13.97            | 30          | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 2   | 10.73                 |                  |             | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Ant 1   | 11.16                 | 14.30            | 30          | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Ant 2   | 11.42                 |                  |             | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 1   | 11.03                 | 14.05            | 30          | Pass    |
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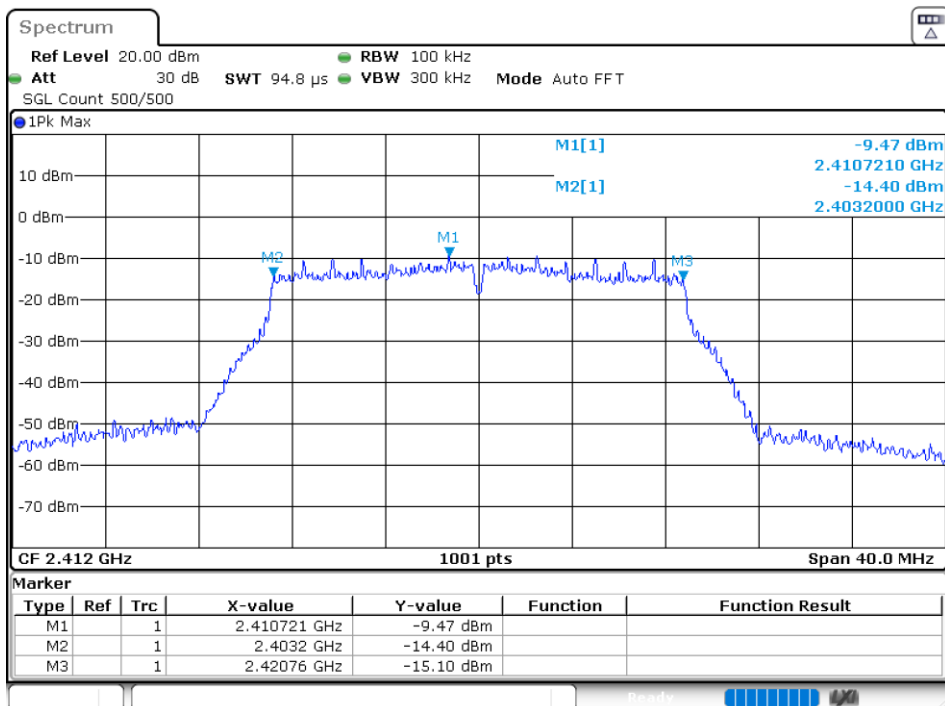
## 8.7 OCCUPIED CHANNEL BANDWIDTH

| Condition | Mode          | Frequency (MHz) | Antenna | 99% OBW (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|---------------|-----------------|---------|---------------|-----------------------|-----------------------------|---------|
| NVNT      | 802.11ax20    | 2412            | Ant 1   | 17.9421       | 17.56                 | 0.5                         | Pass    |
| NVNT      | 802.11ax20    | 2412            | Ant 2   | 16.7832       | 15.6                  | 0.5                         | Pass    |
| NVNT      | 802.11ax20    | 2437            | Ant 1   | 18.3017       | 17.6                  | 0.5                         | Pass    |
| NVNT      | 802.11ax20    | 2437            | Ant 2   | 16.5834       | 15.4                  | 0.5                         | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 1   | 18.1019       | 16.36                 | 0.5                         | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 2   | 16.3836       | 15.96                 | 0.5                         | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 1   | 17.9021       | 17.56                 | 0.5                         | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 2   | 17.8222       | 17.6                  | 0.5                         | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Ant 1   | 18.2218       | 17.2                  | 0.5                         | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Ant 2   | 17.8621       | 17.6                  | 0.5                         | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 1   | 17.9421       | 17.2                  | 0.5                         | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 2   | 17.7023       | 17.6                  | 0.5                         | Pass    |

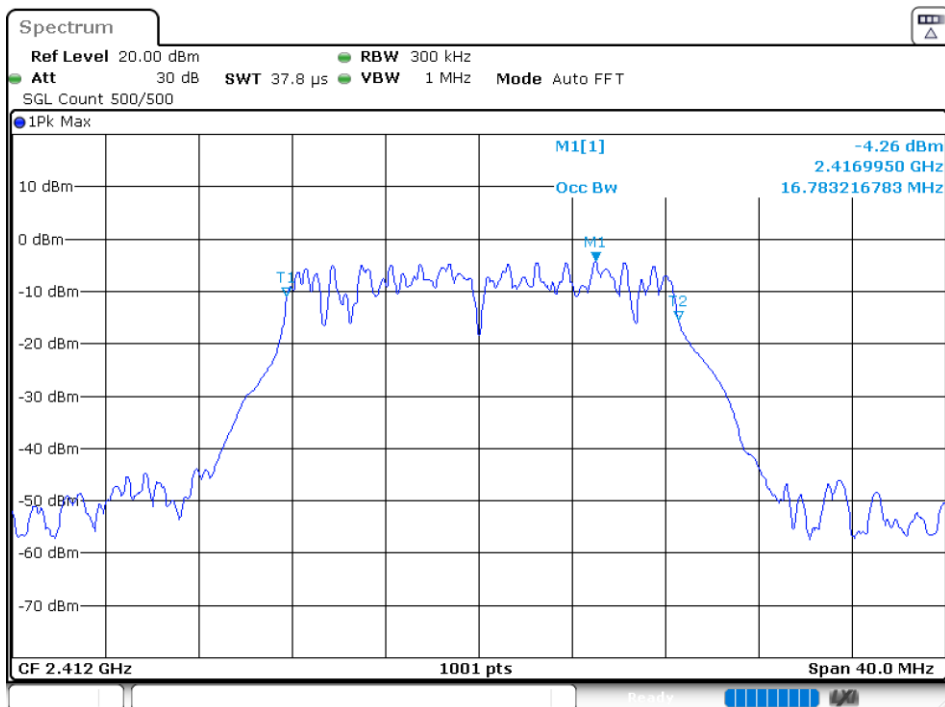
OBW NVNT 802.11ax20 2412MHz Ant1



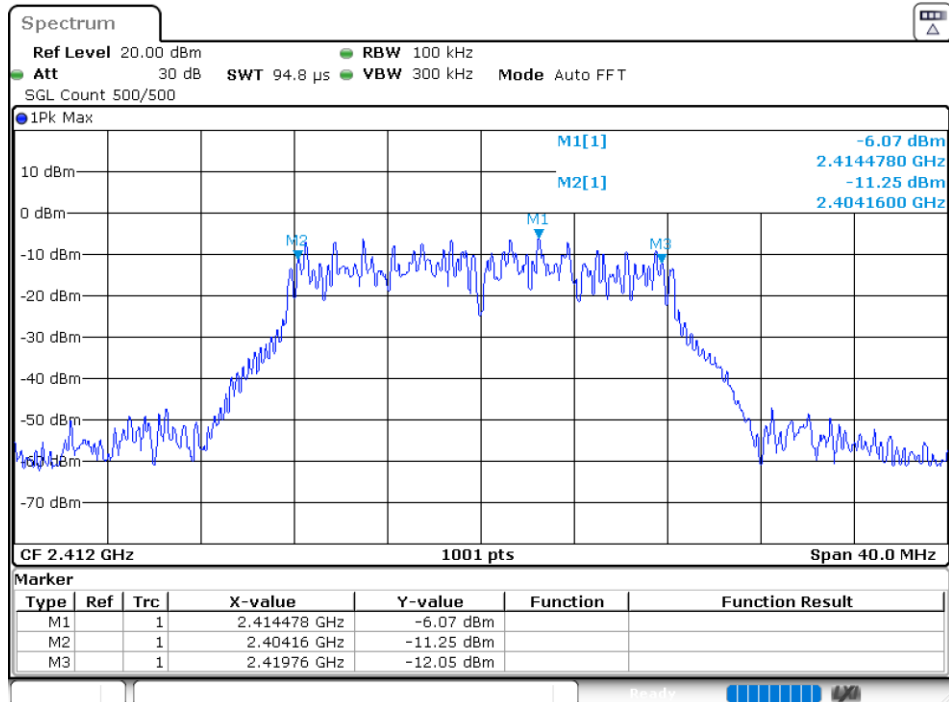
-6 dB BW NVNT 802.11ax20 2412MHz Ant1



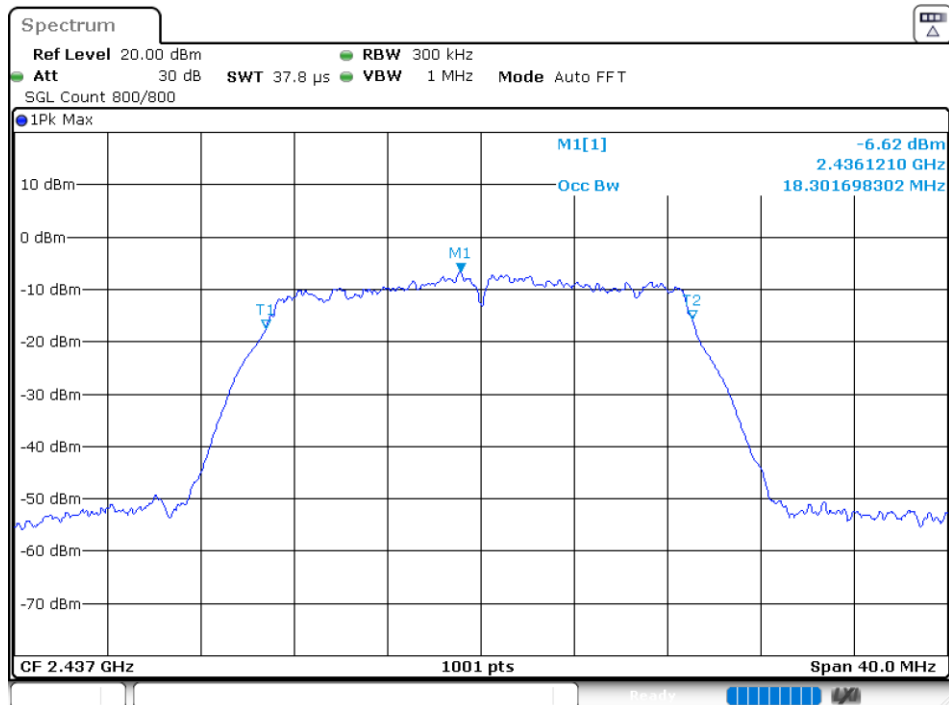
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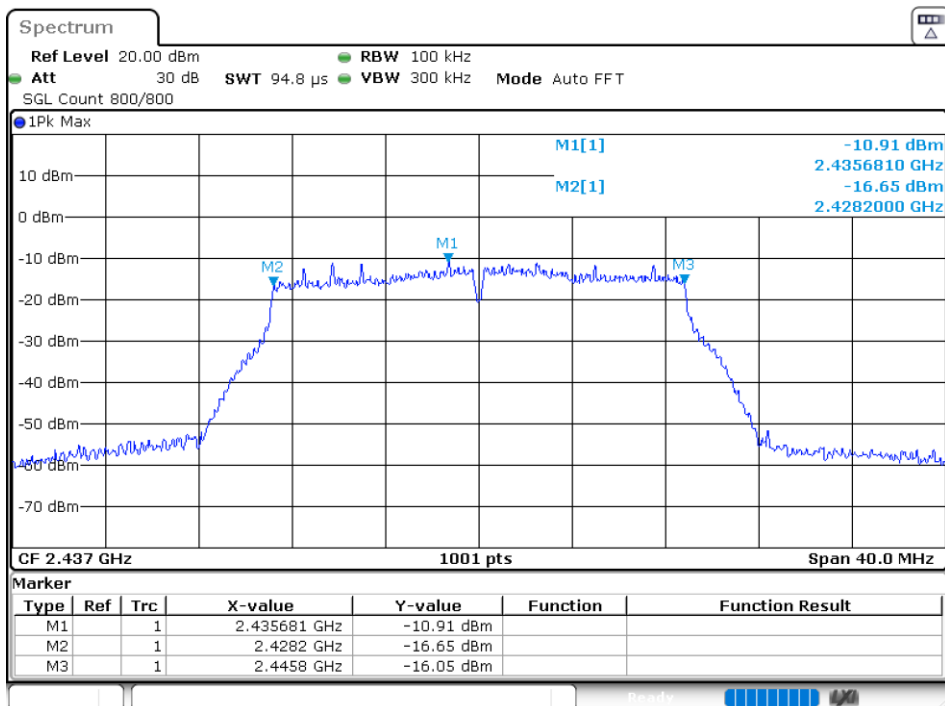
-6 dB BW NVNT 802.11ax20 2412MHz Ant2



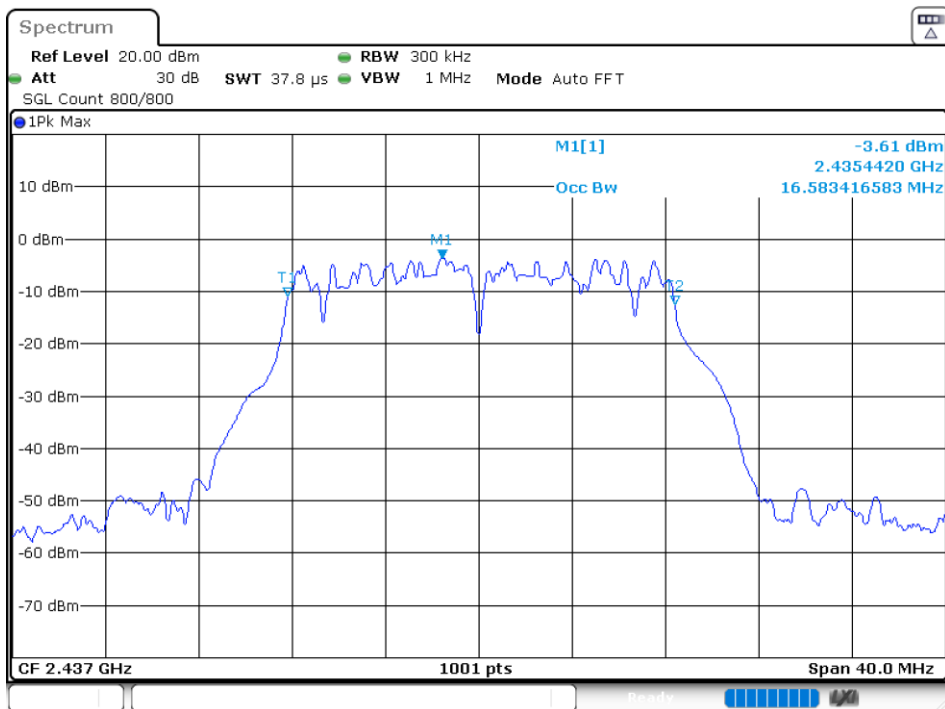
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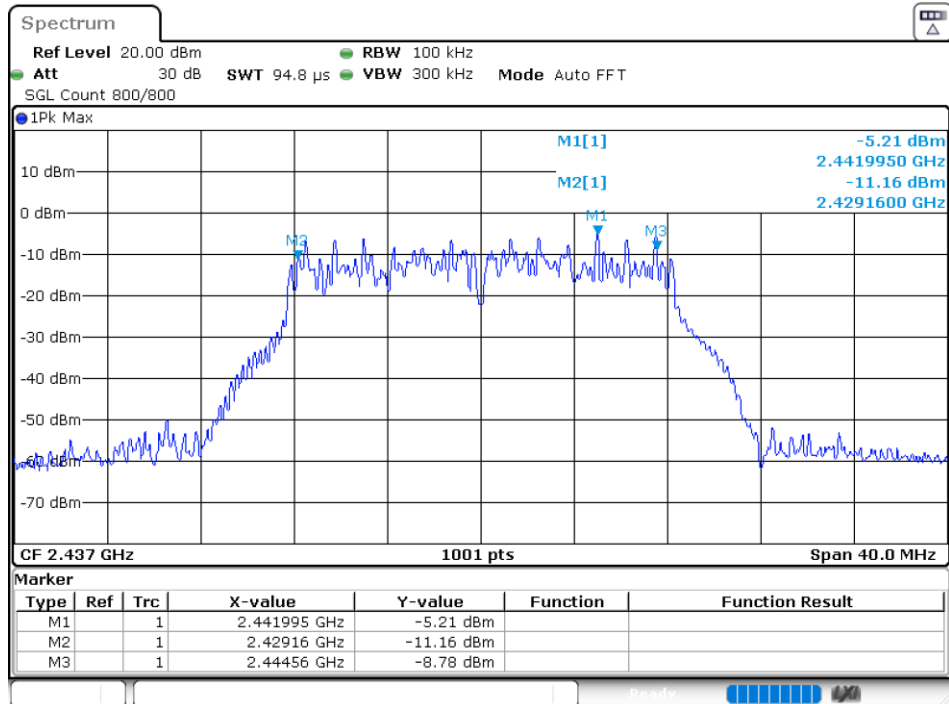
-6 dB BW NVNT 802.11ax20 2437MHz Ant1



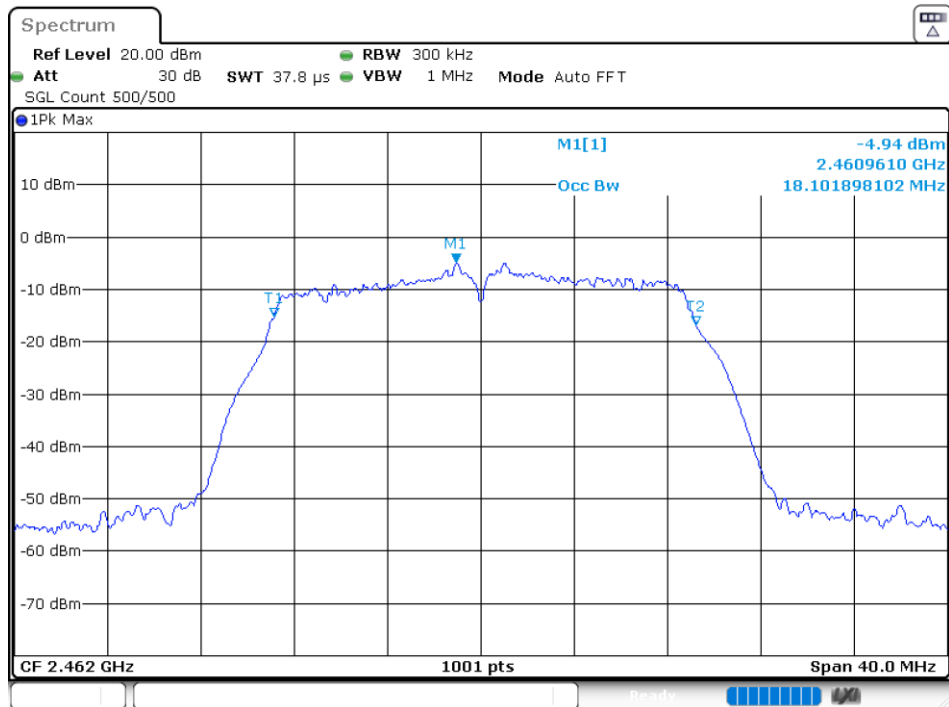
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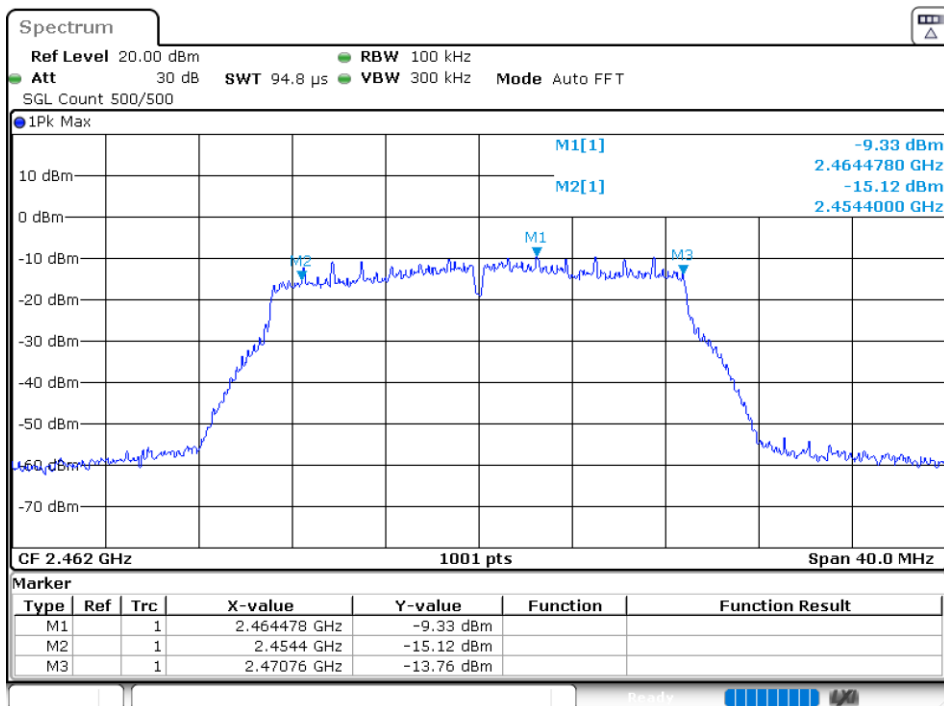
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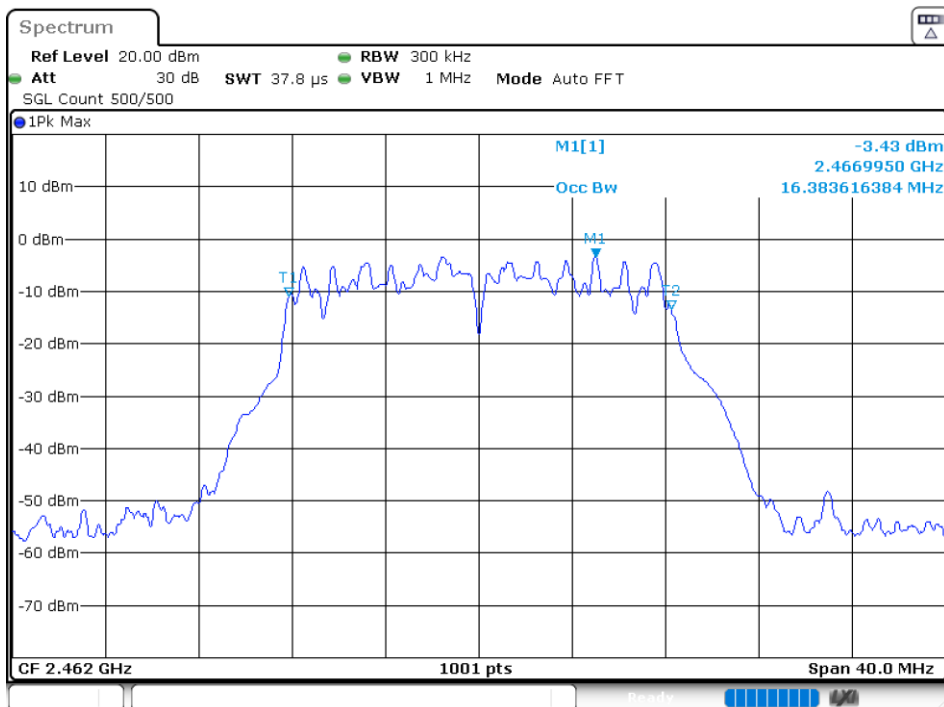
OBW NVNT 802.11ax20 2462MHz Ant1



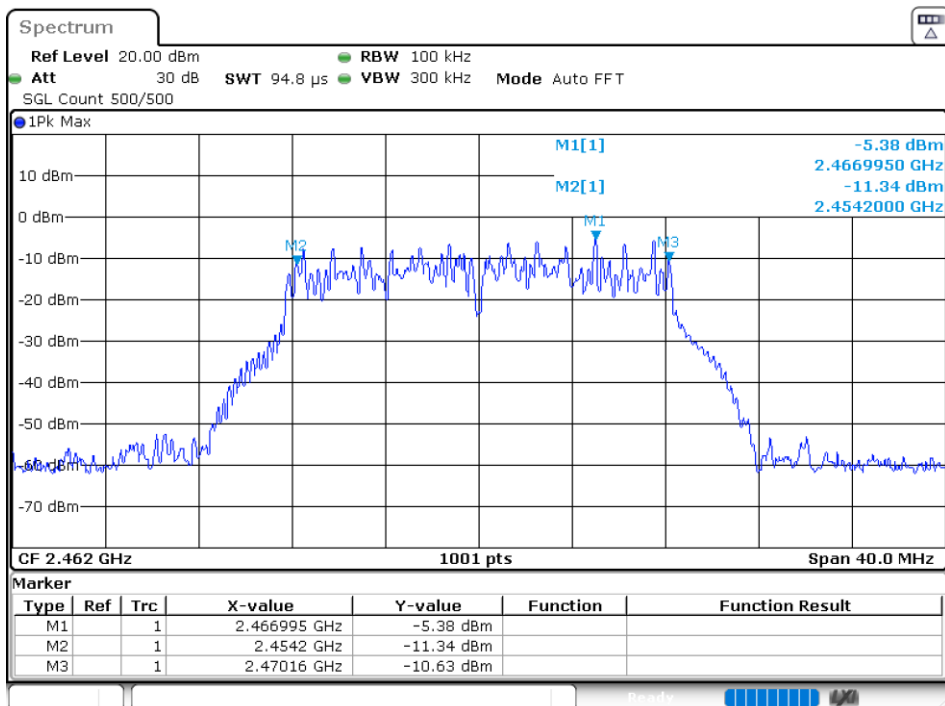
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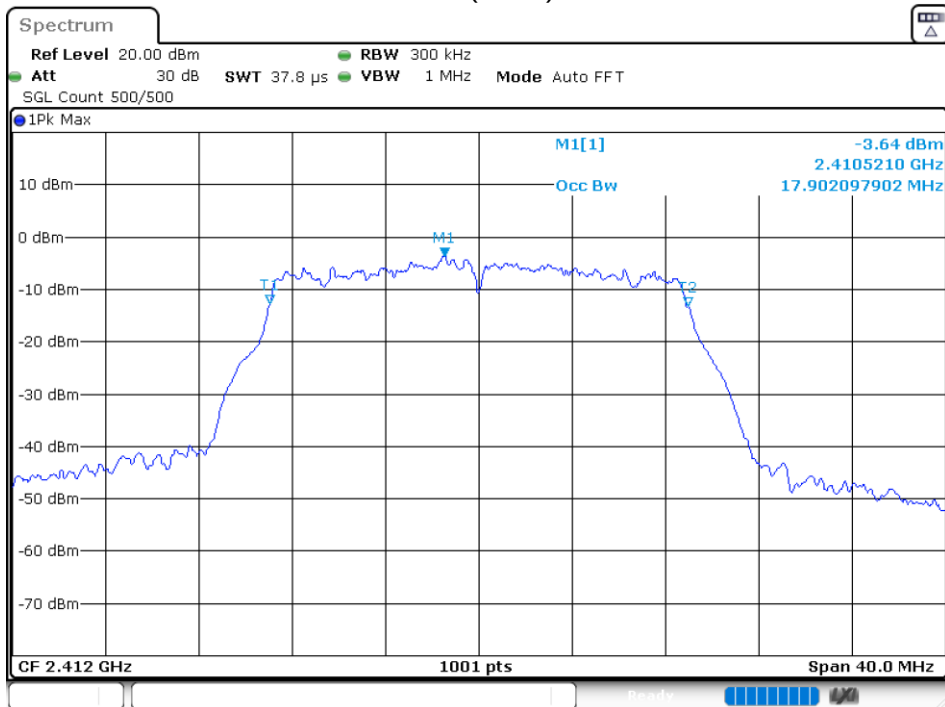
OBW NVNT 802.11ax20 2462MHz Ant2



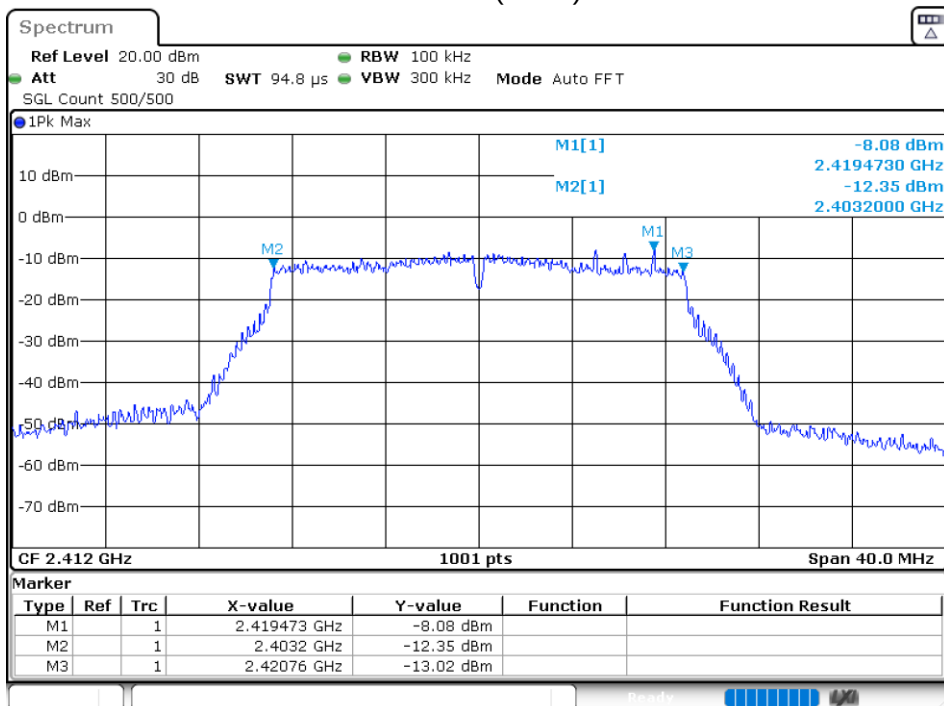
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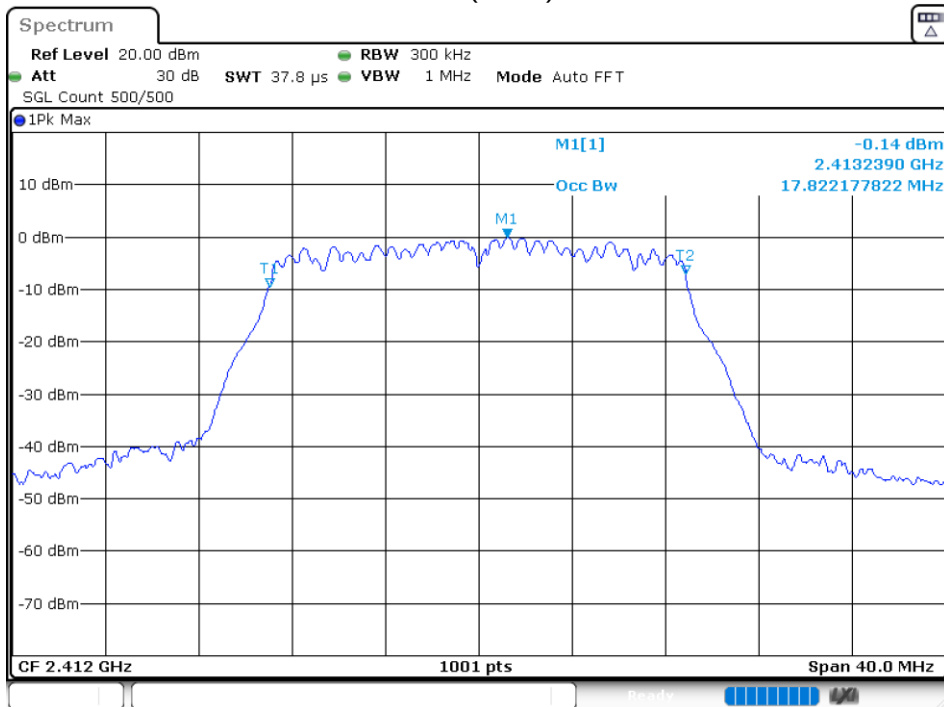
OBW NVNT 802.11n(HT20) 2412MHz Ant1



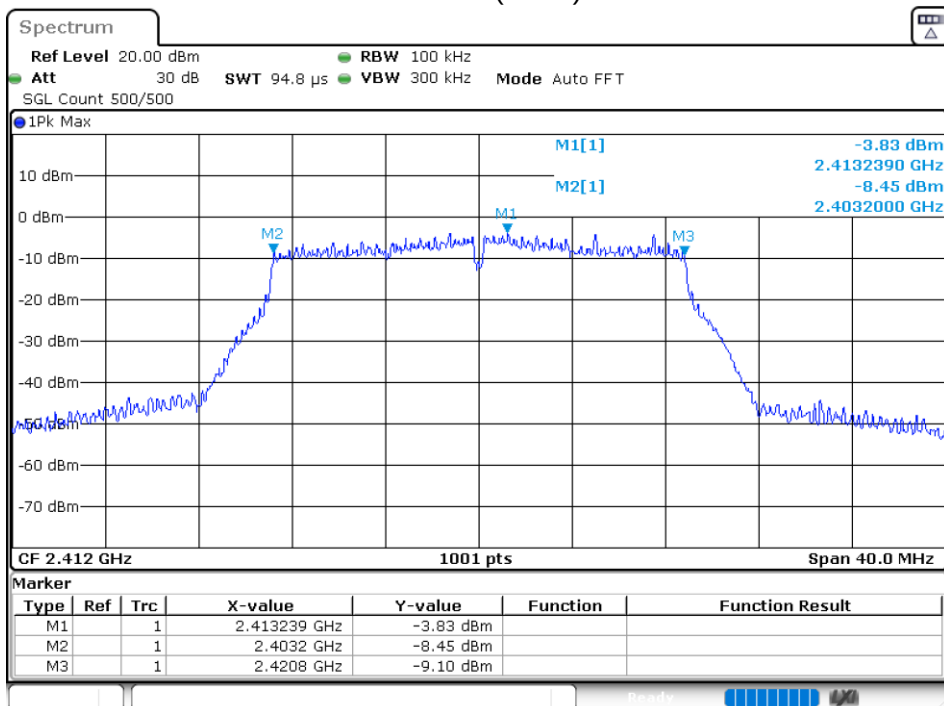
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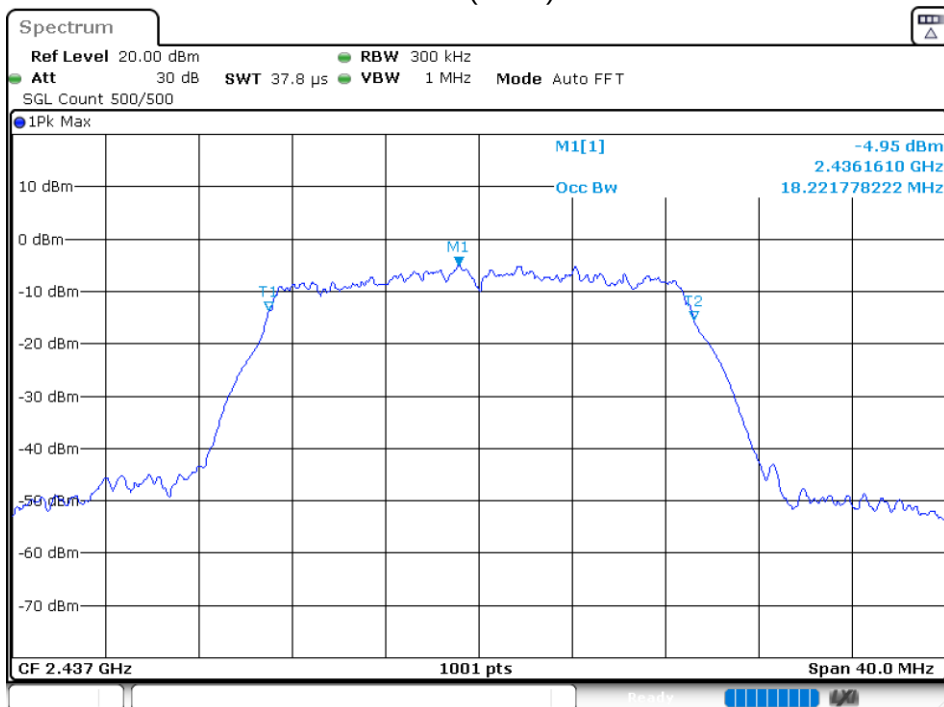
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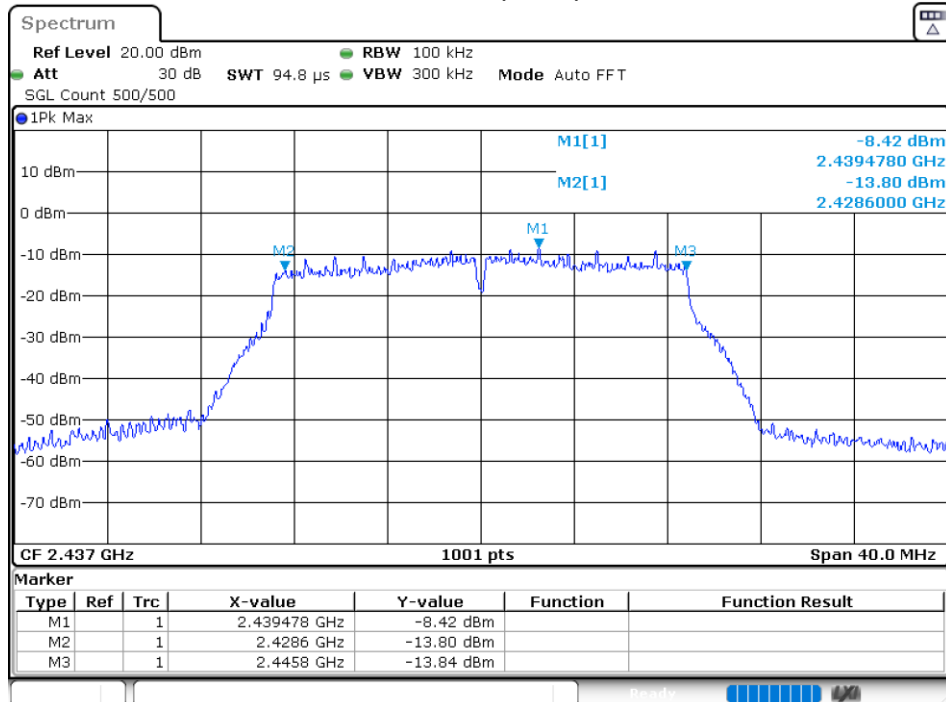
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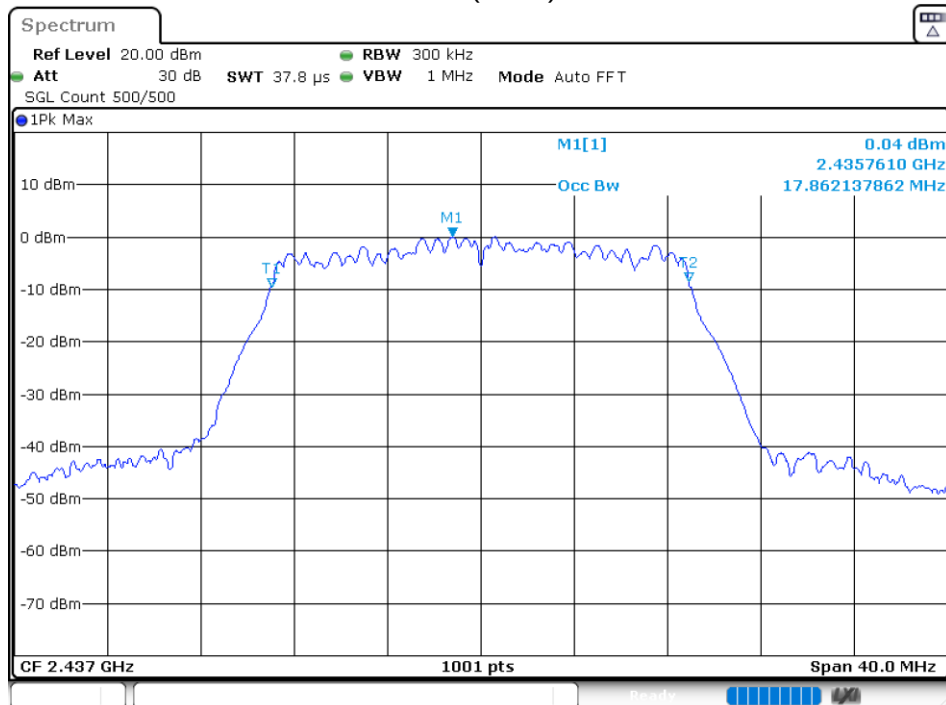
OBW NVNT 802.11n(HT20) 2437MHz Ant1



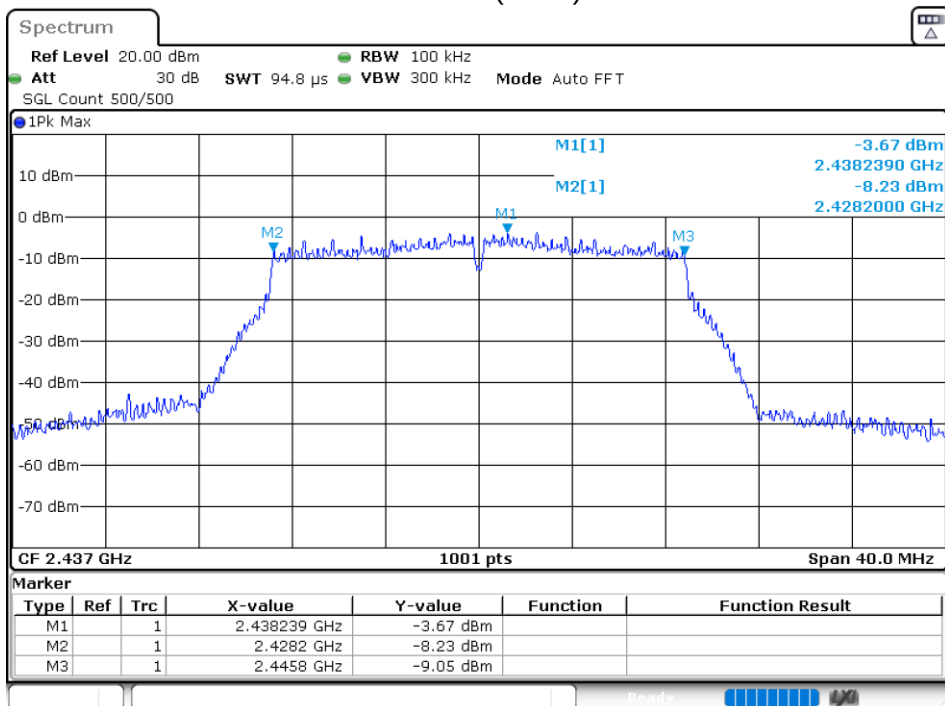
-6 dB BW NVNT 802.11n(HT20) 2437MHz Ant1



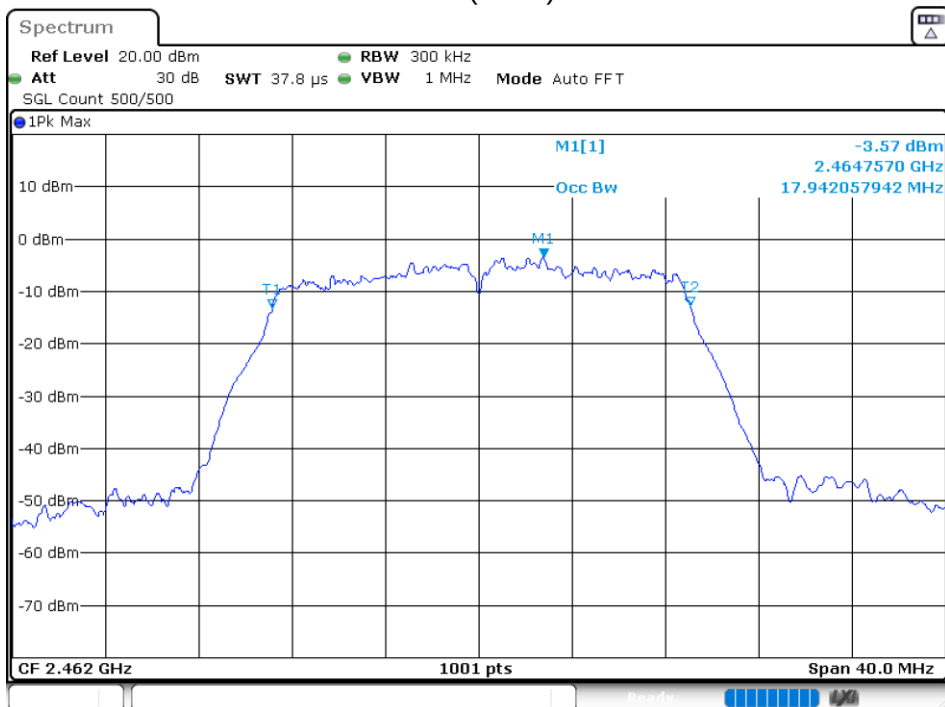
OBW NVNT 802.11n(HT20) 2437MHz Ant2



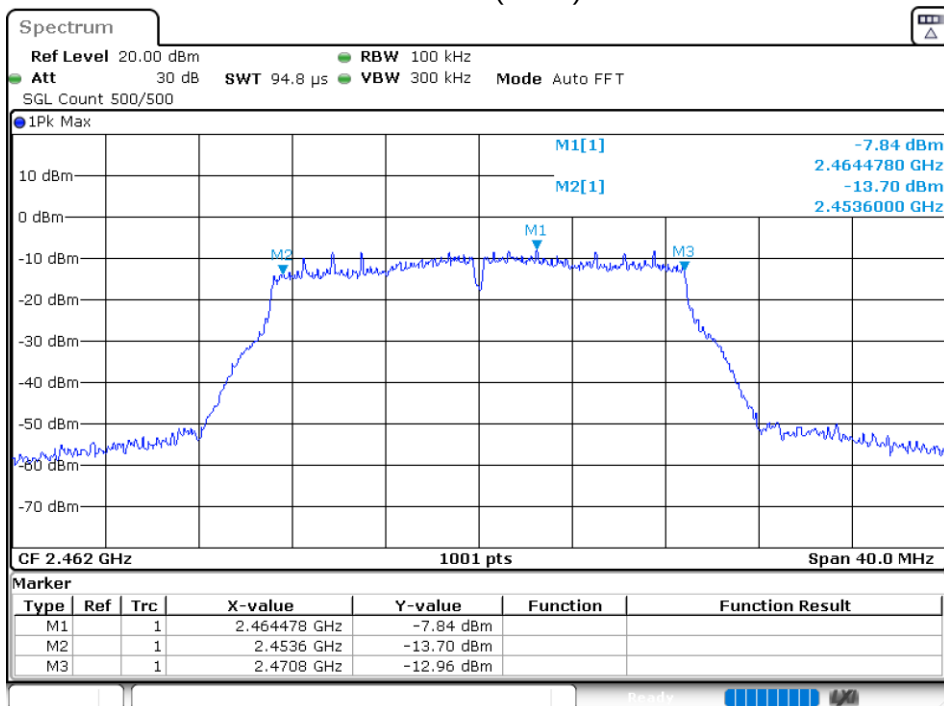
### -6 dB BW NVNT 802.11n(HT20) 2437MHz Ant2



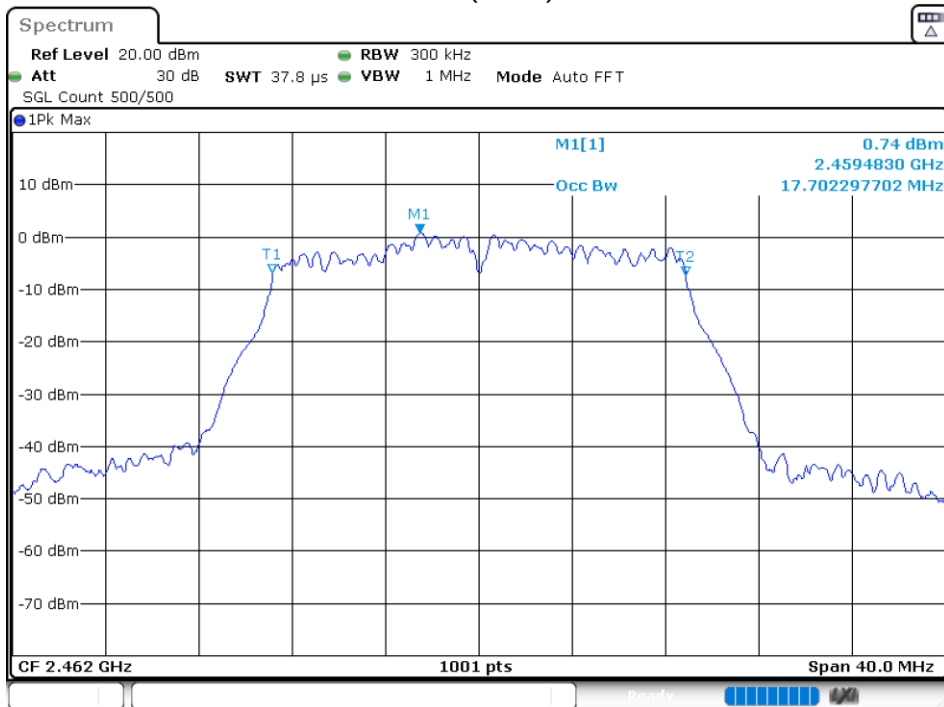
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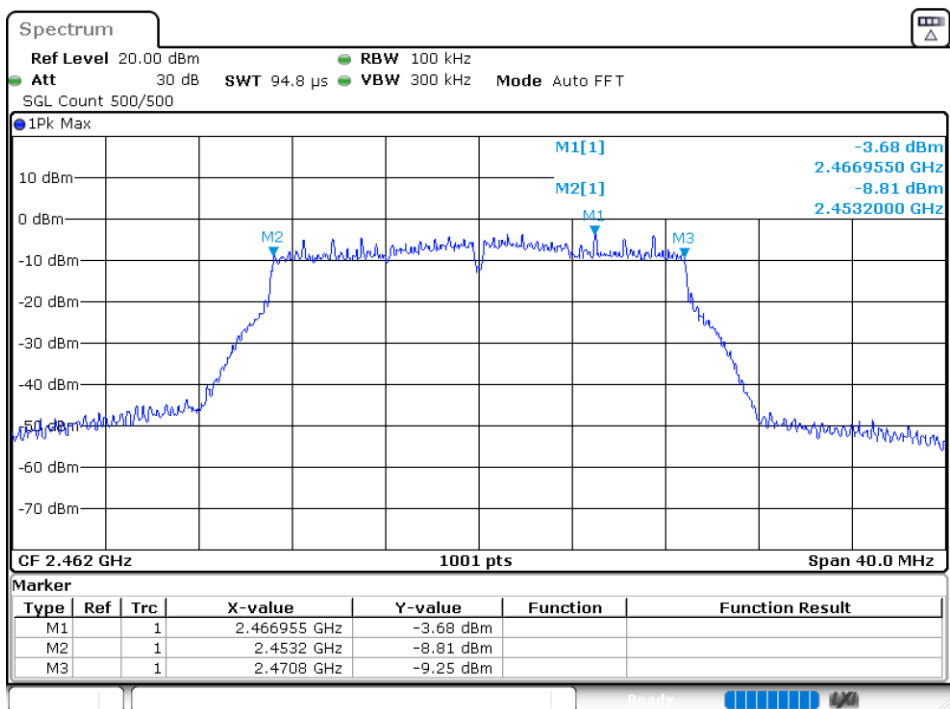
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### OBW NVNT 802.11n(HT20) 2462MHz Ant2



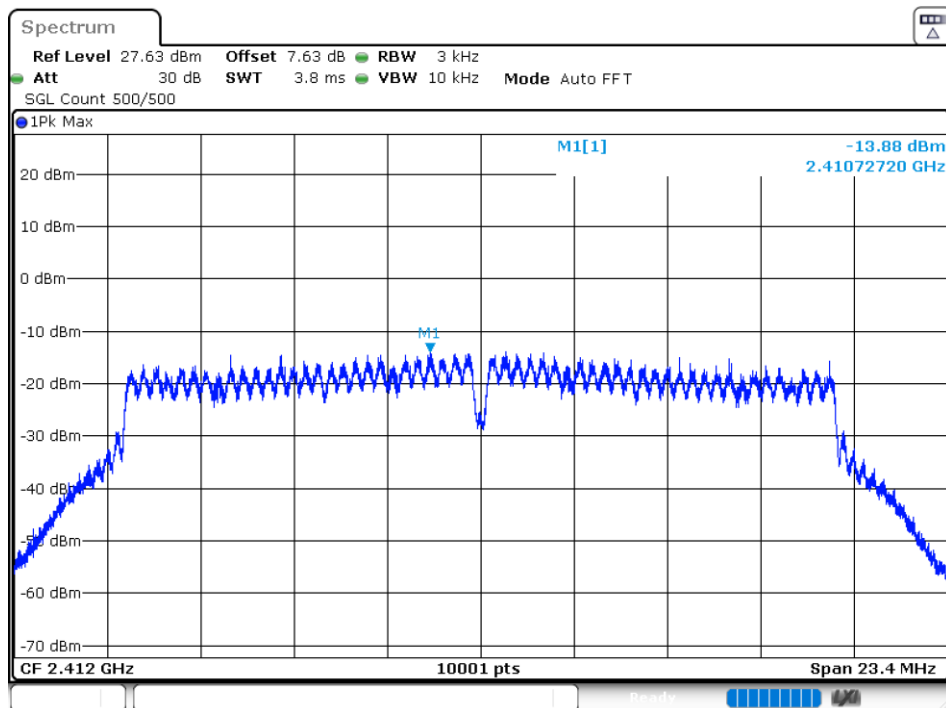
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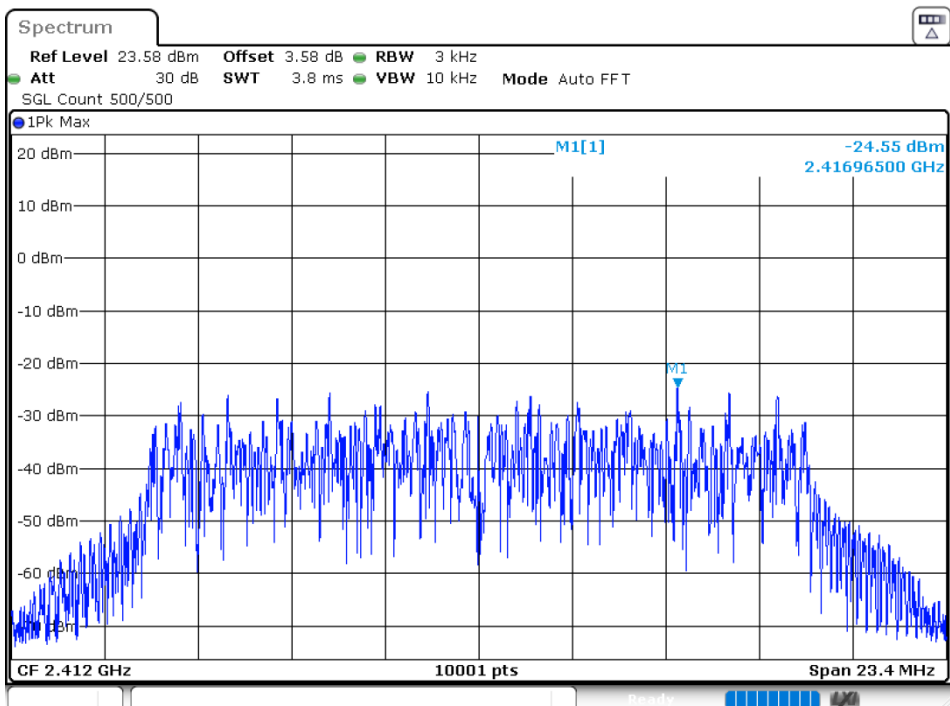
### 8.8 MAXIMUM POWER SPECTRAL DENSITY LEVEL

| Condition | Mode          | Frequency (MHz) | Antenna | Max PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|---------------|-----------------|---------|--------------------|------------------|---------|
| NVNT      | 802.11ax20    | 2412            | Ant 1   | -13.875            | 8                | Pass    |
| NVNT      | 802.11ax20    | 2412            | Ant 2   | -24.551            | 8                | Pass    |
| NVNT      | 802.11ax20    | 2412            | Total   | -13.518            | 8                | Pass    |
| NVNT      | 802.11ax20    | 2437            | Ant 1   | -14.968            | 8                | Pass    |
| NVNT      | 802.11ax20    | 2437            | Ant 2   | -24.133            | 8                | Pass    |
| NVNT      | 802.11ax20    | 2437            | Total   | -14.471            | 8                | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 1   | -13.915            | 8                | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 2   | -24.347            | 8                | Pass    |
| NVNT      | 802.11ax20    | 2462            | Total   | -13.539            | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 1   | -11.5              | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 2   | -12.085            | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Total   | -8.772             | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Ant 1   | -12.37             | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Ant 2   | -10.556            | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Total   | -8.359             | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 1   | -10.795            | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 2   | -10.938            | 8                | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Total   | -7.856             | 8                | Pass    |

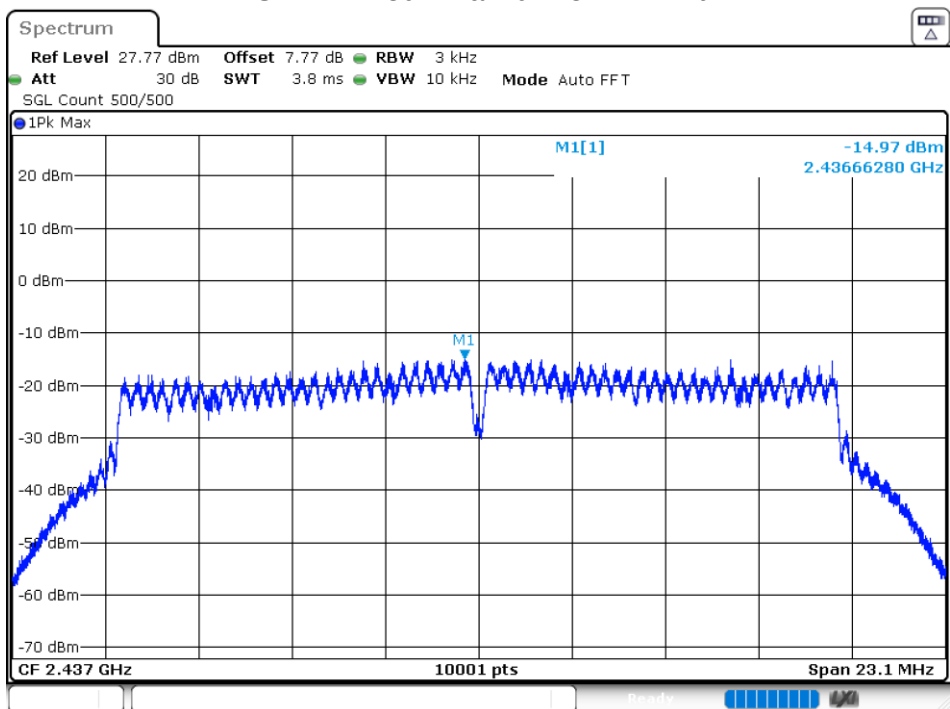
PSD NVNT 802.11ax20 2412MHz Ant1



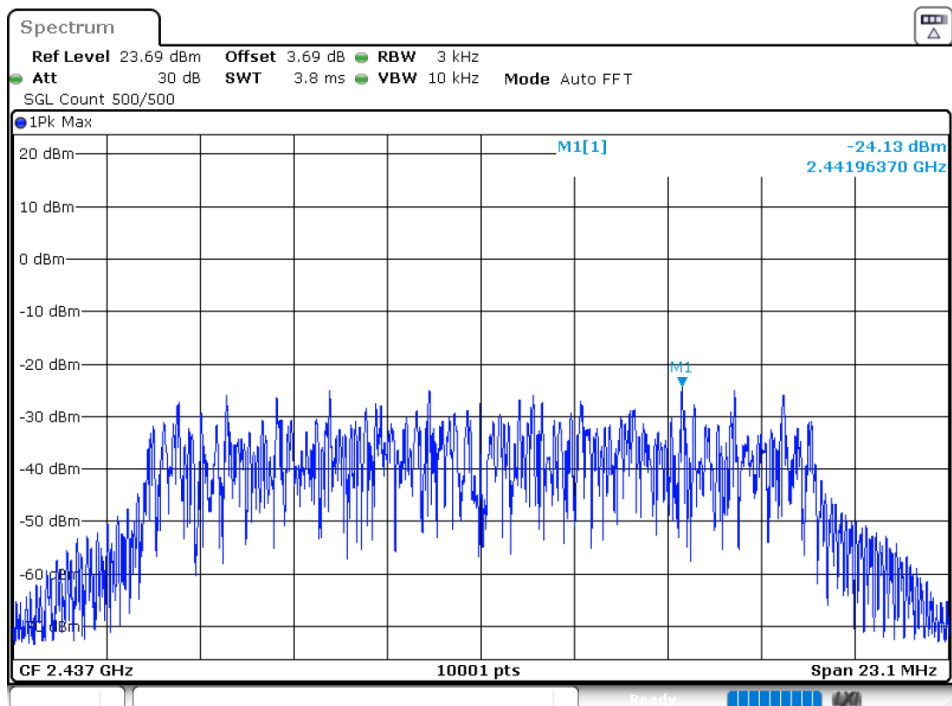
PSD NVNT 802.11ax20 2412MHz Ant2



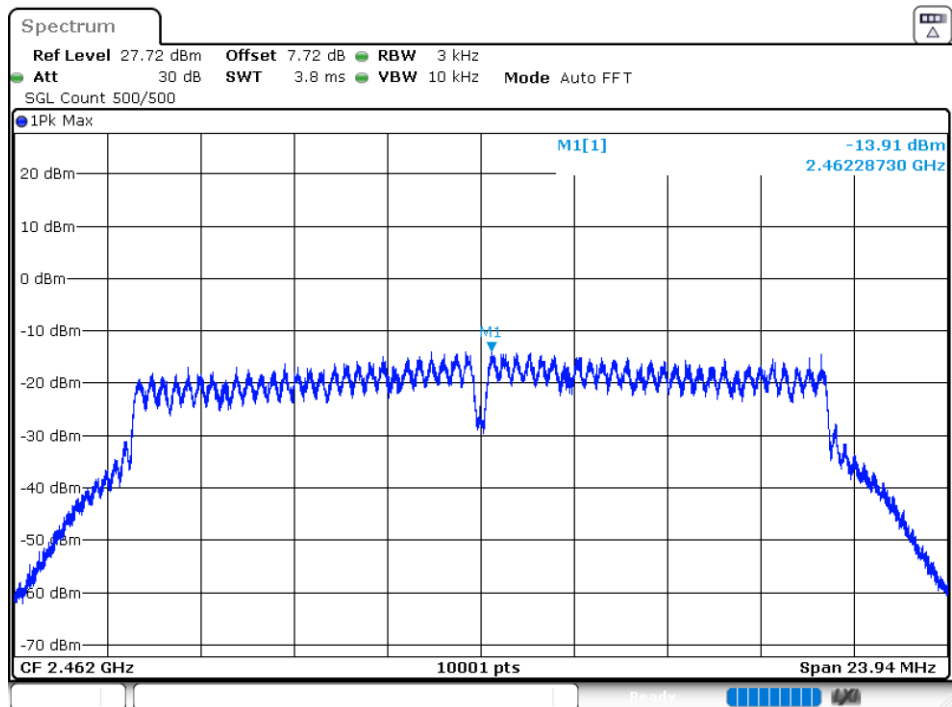
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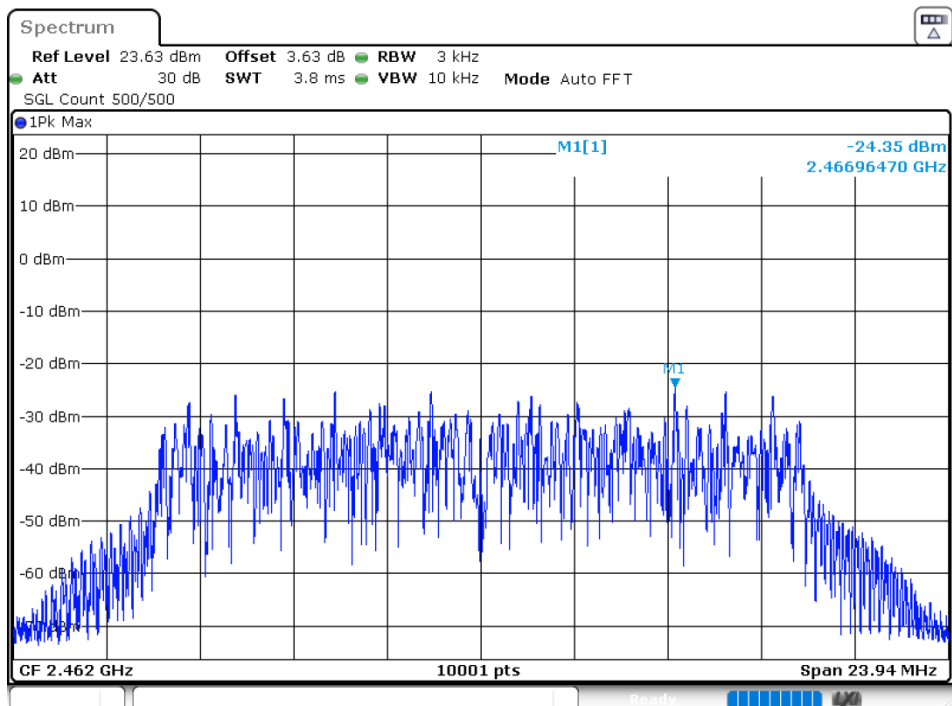
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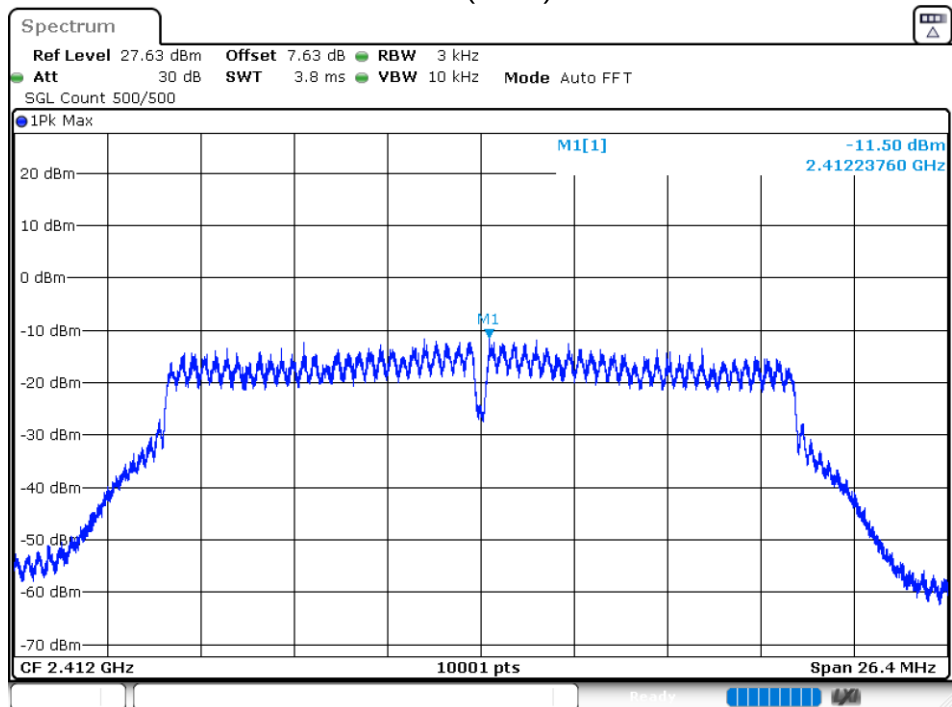
PSD NVNT 802.11ax20 2462MHz Ant1



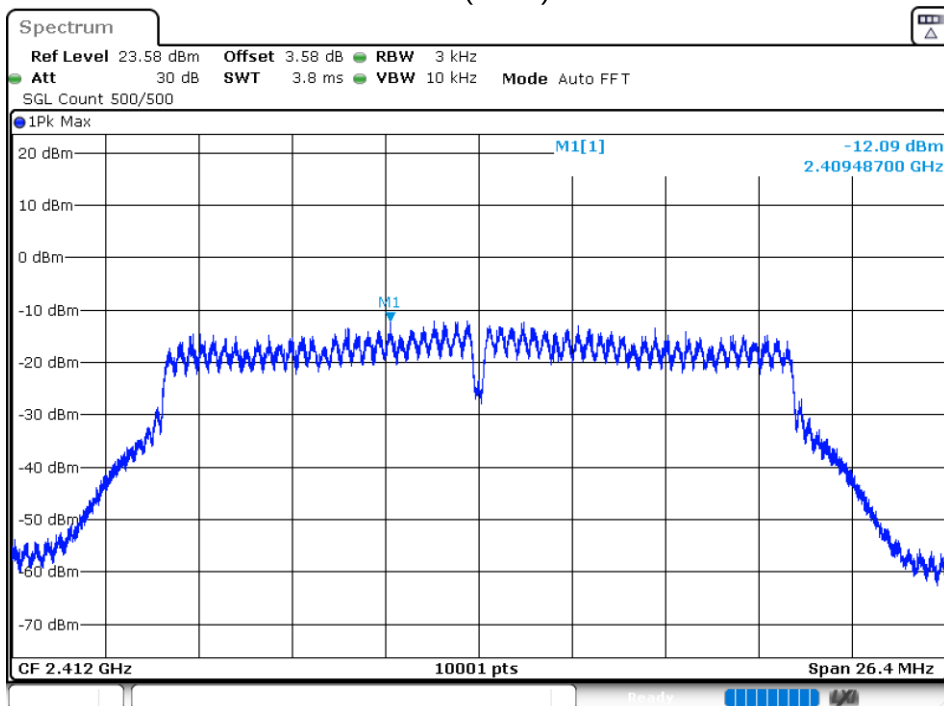
### PSD NVNT 802.11ax20 2462MHz Ant2



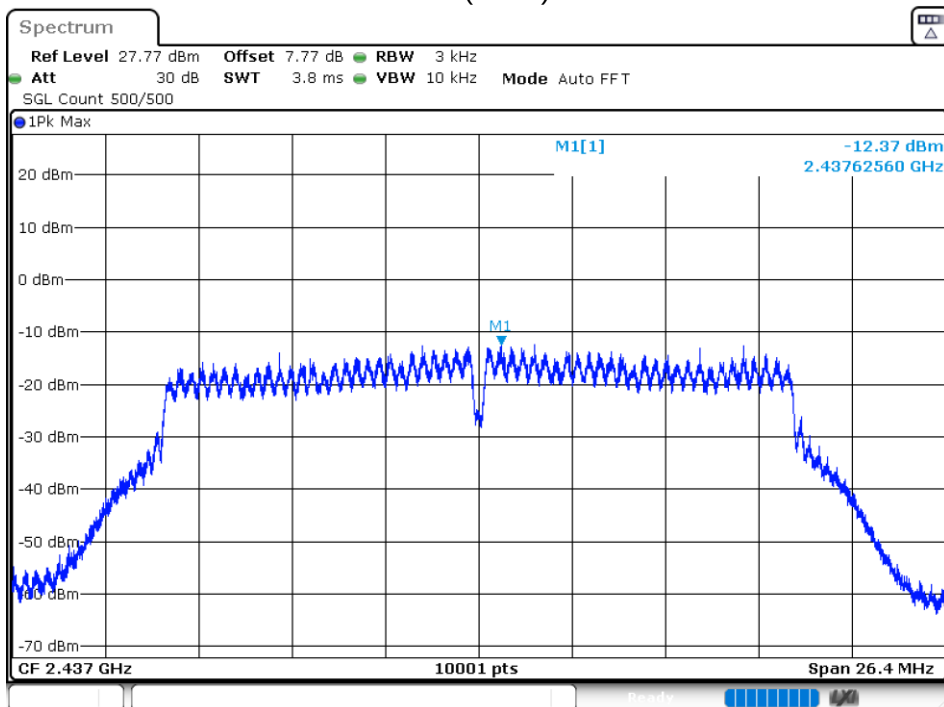
### PSD NVNT 802.11n(HT20) 2412MHz Ant1



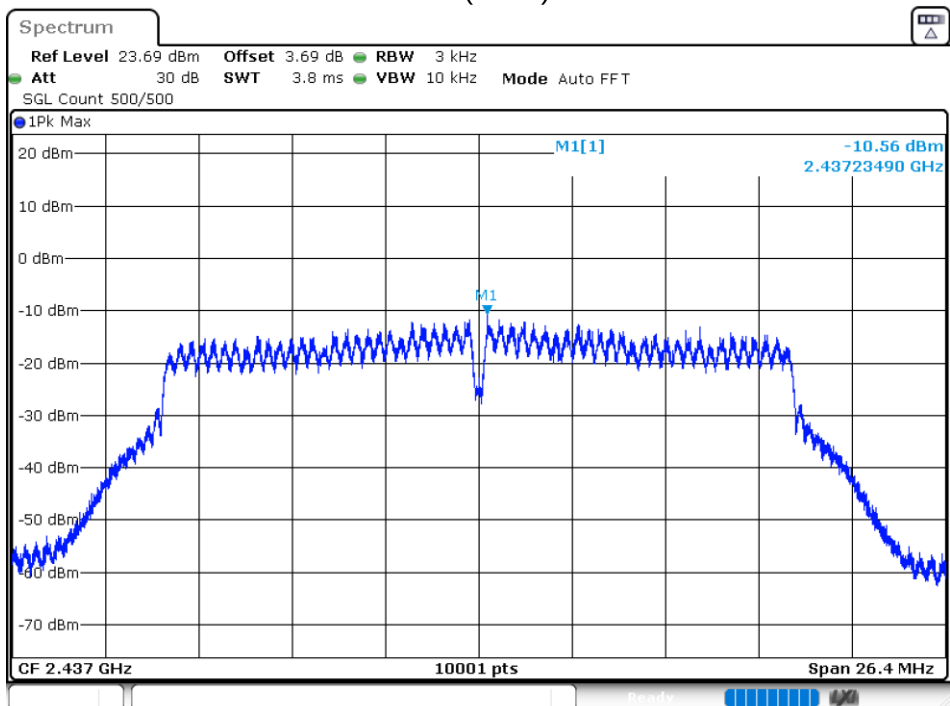
PSD NVNT 802.11n(HT20) 2412MHz Ant2



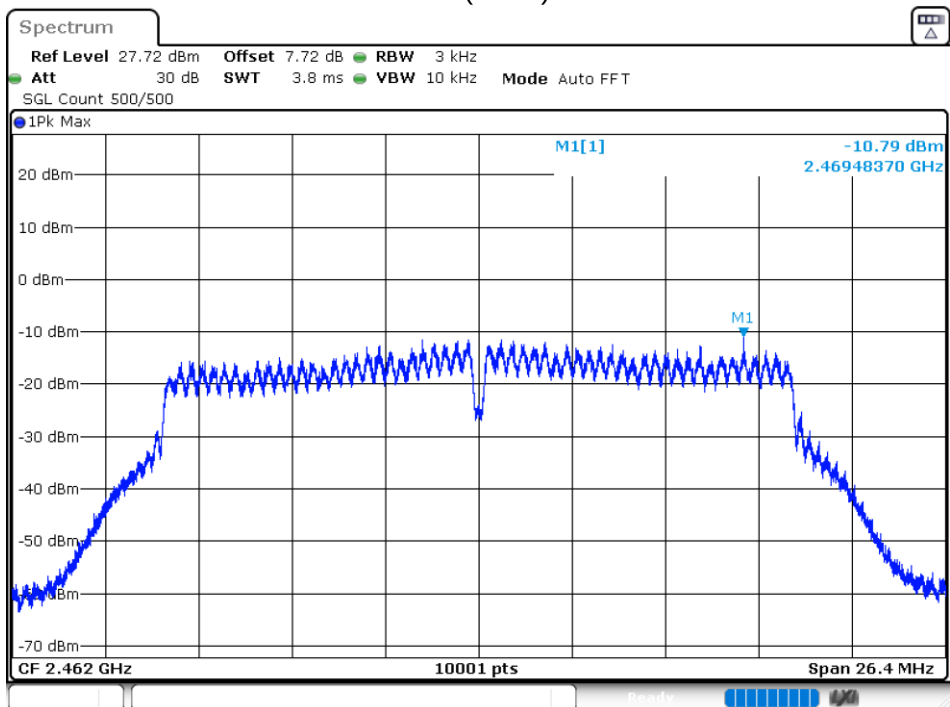
PSD NVNT 802.11n(HT20) 2437MHz Ant1



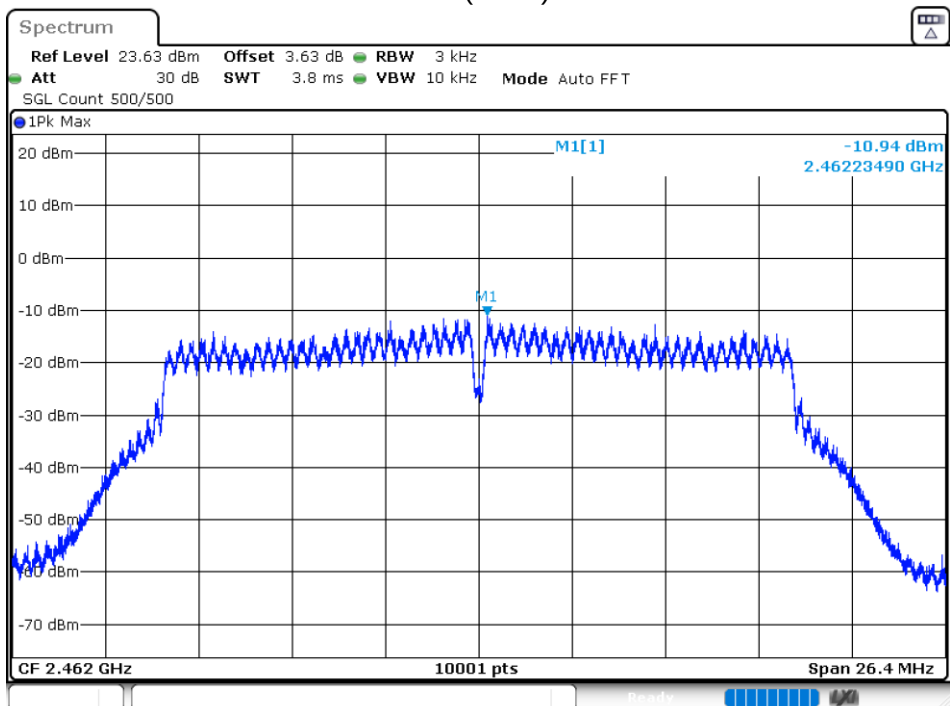
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### PSD NVNT 802.11n(HT20) 2462MHz Ant1



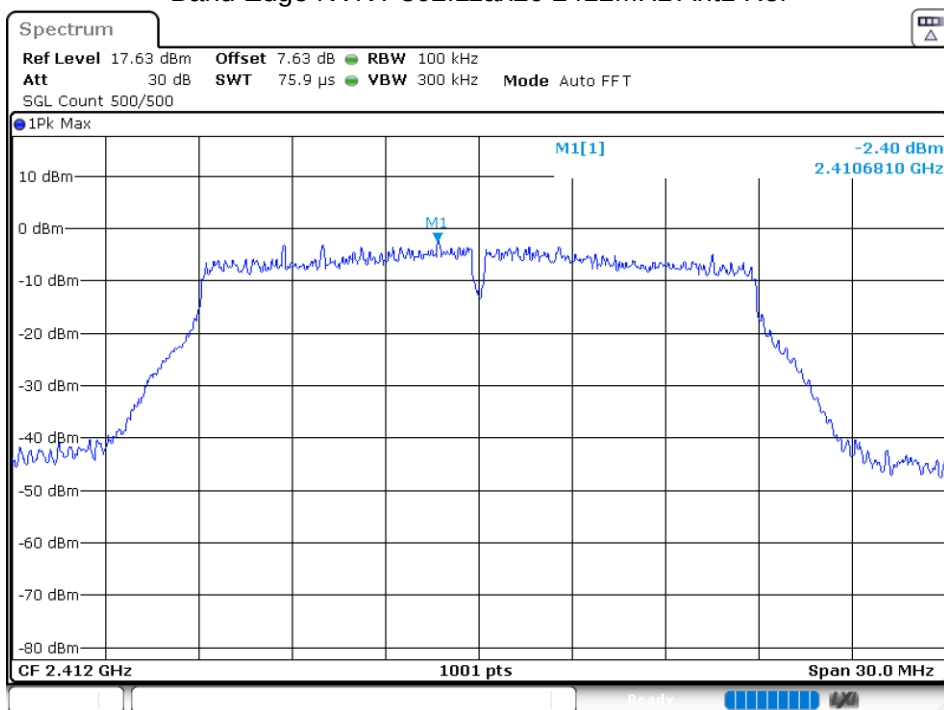
PSD NVNT 802.11n(HT20) 2462MHz Ant2



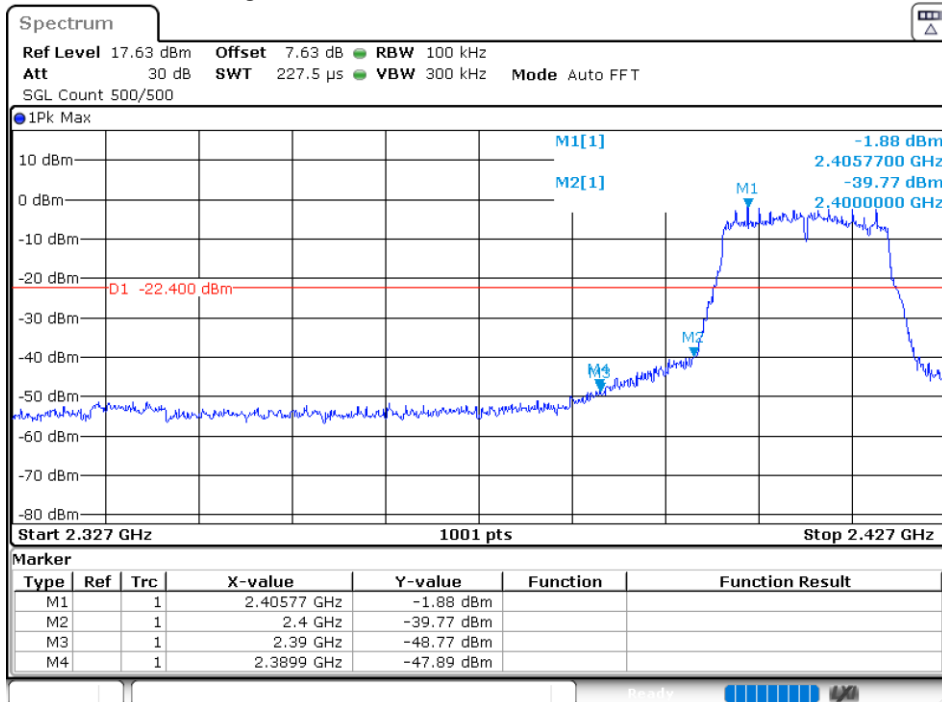
### 8.9 BAND EDGE

| Condition | Mode          | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|---------------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 802.11ax20    | 2412            | Ant 1   | -45.49          | -20         | Pass    |
| NVNT      | 802.11ax20    | 2412            | Ant 2   | -50.98          | -20         | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 1   | -46.22          | -20         | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 2   | -52.42          | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 1   | -44.01          | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 2   | -48.3           | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 1   | -49.36          | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 2   | -50.76          | -20         | Pass    |

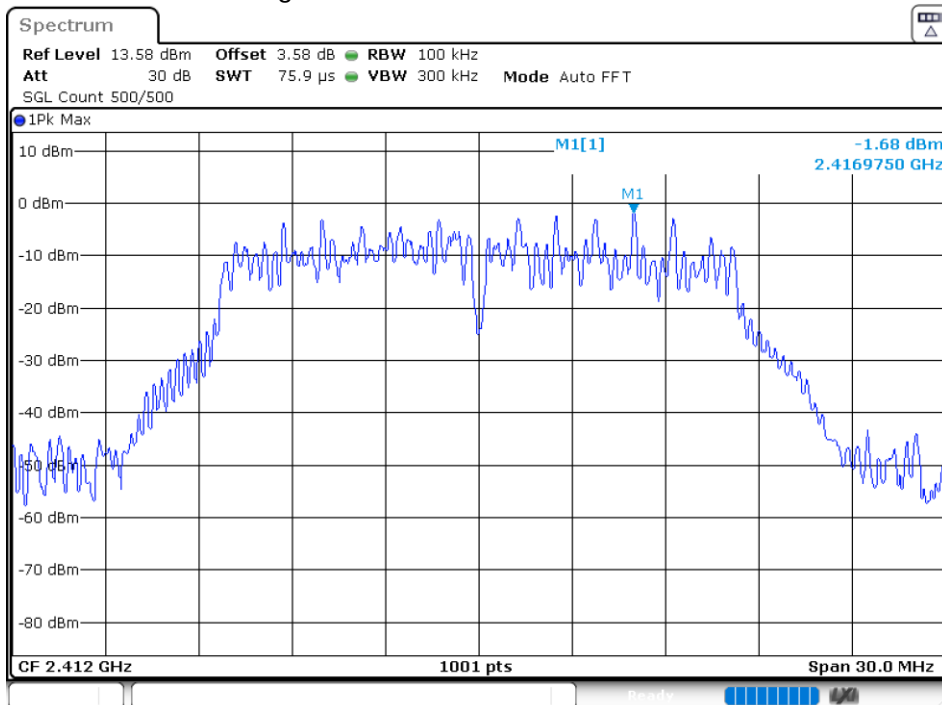
Band Edge NVNT 802.11ax20 2412MHz Ant1 Ref



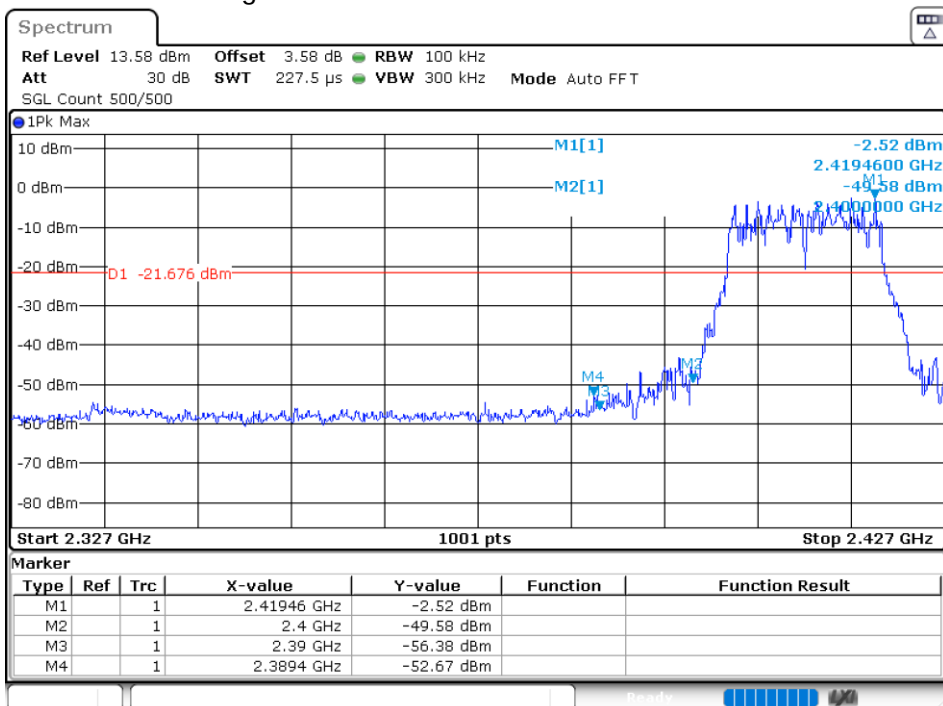
### Band Edge NVNT 802.11ax20 2412MHz Ant1 Emission



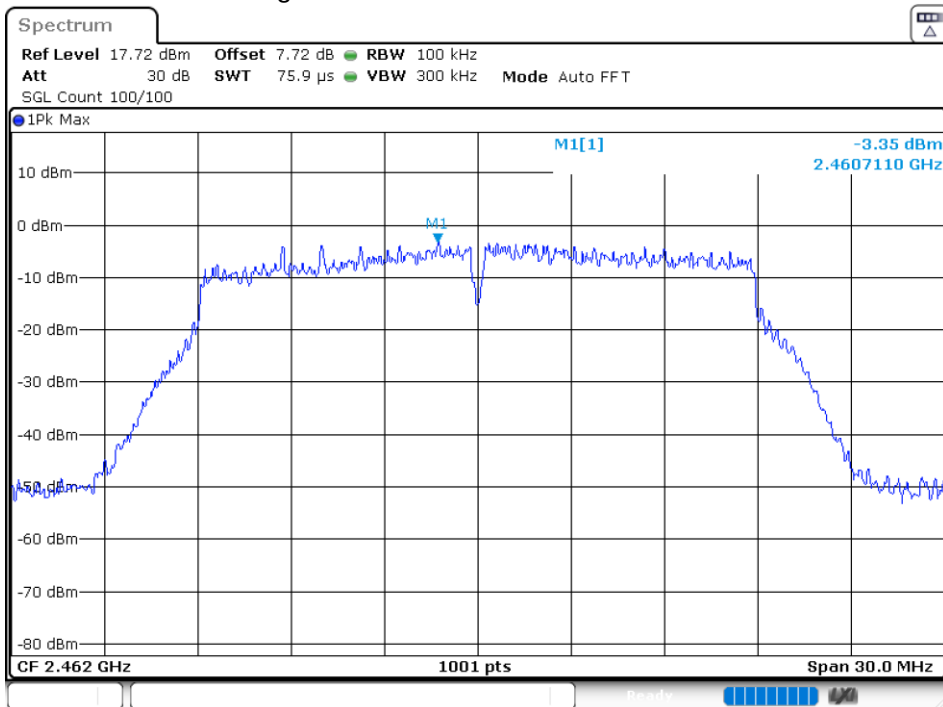
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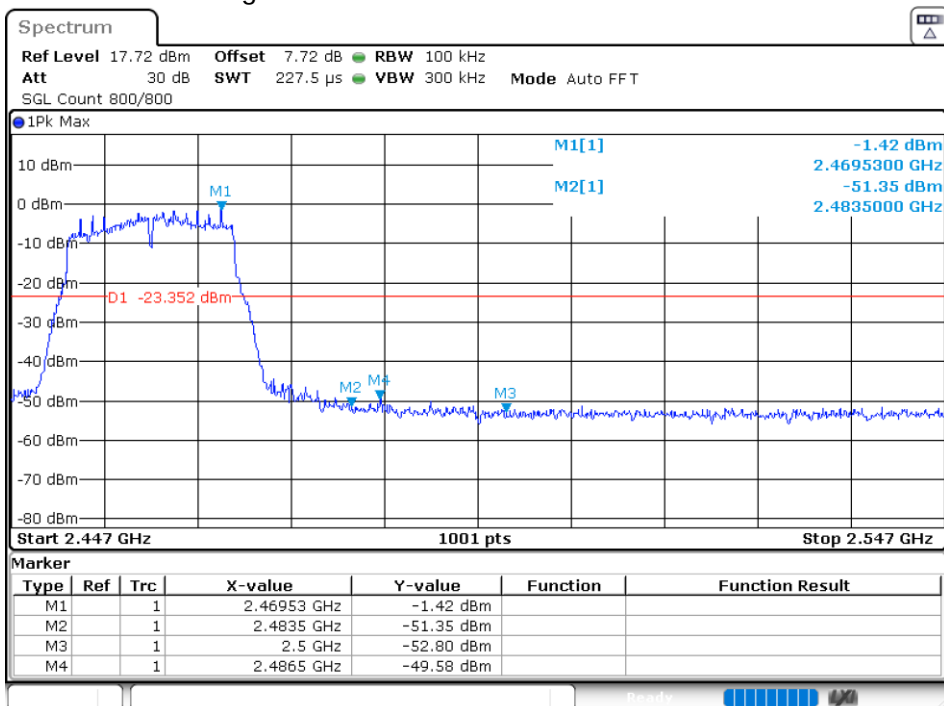
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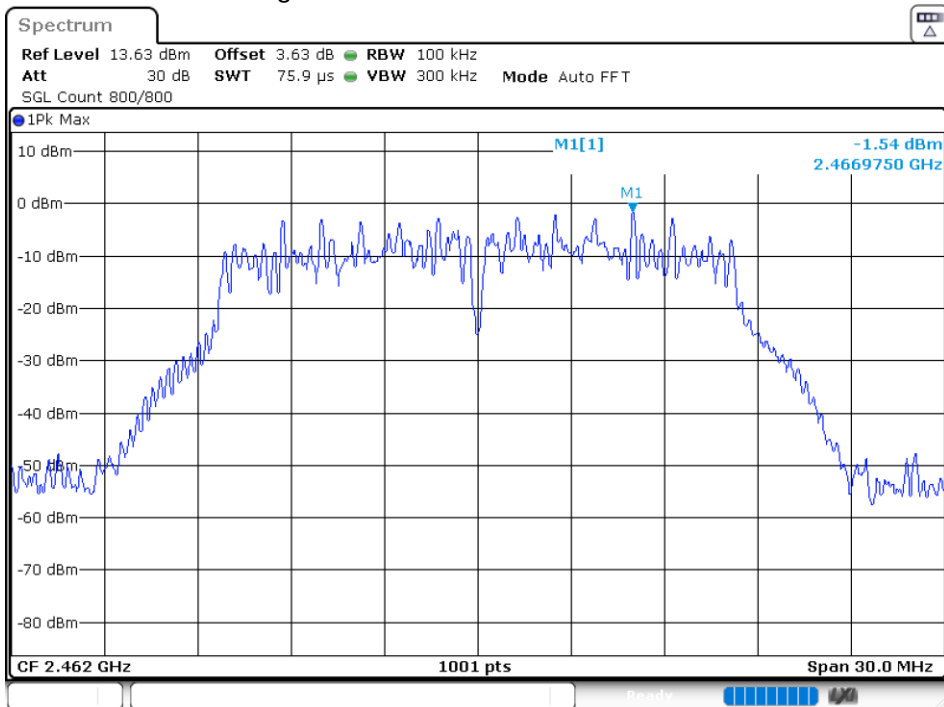
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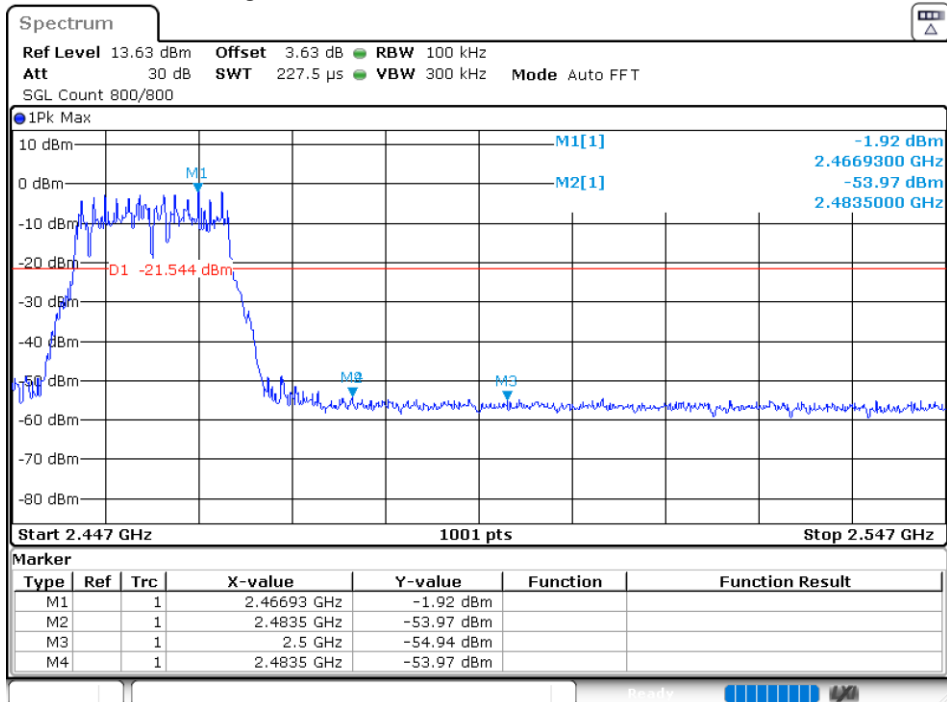
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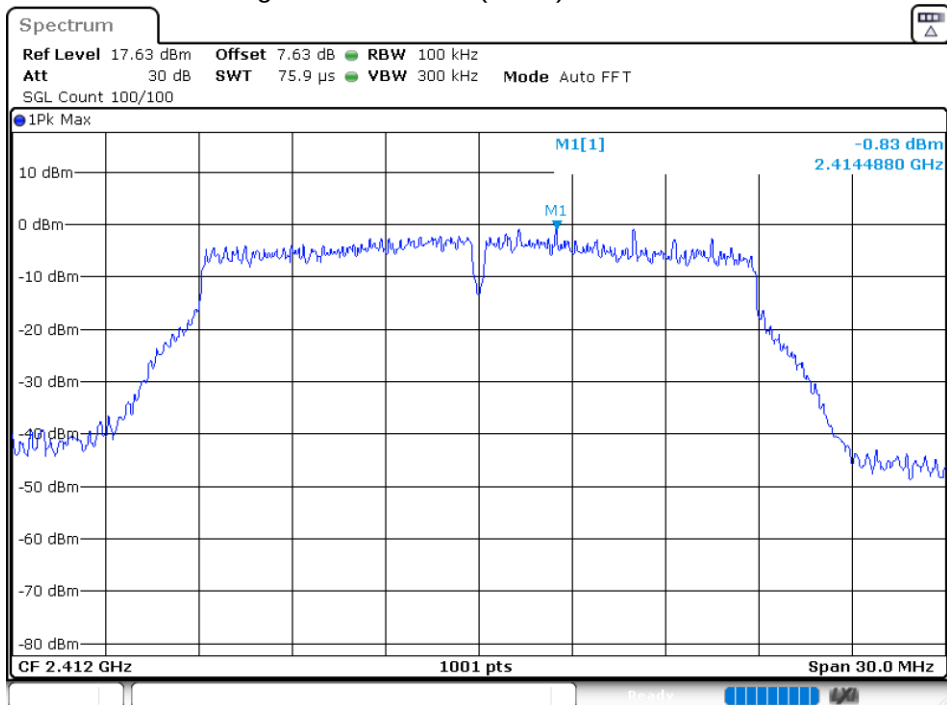
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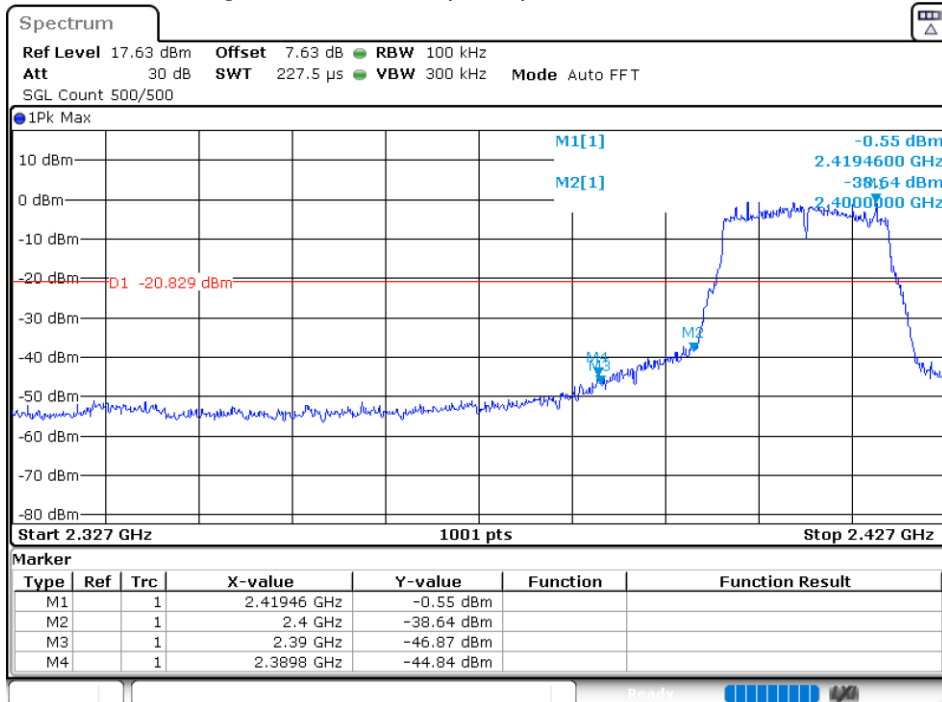
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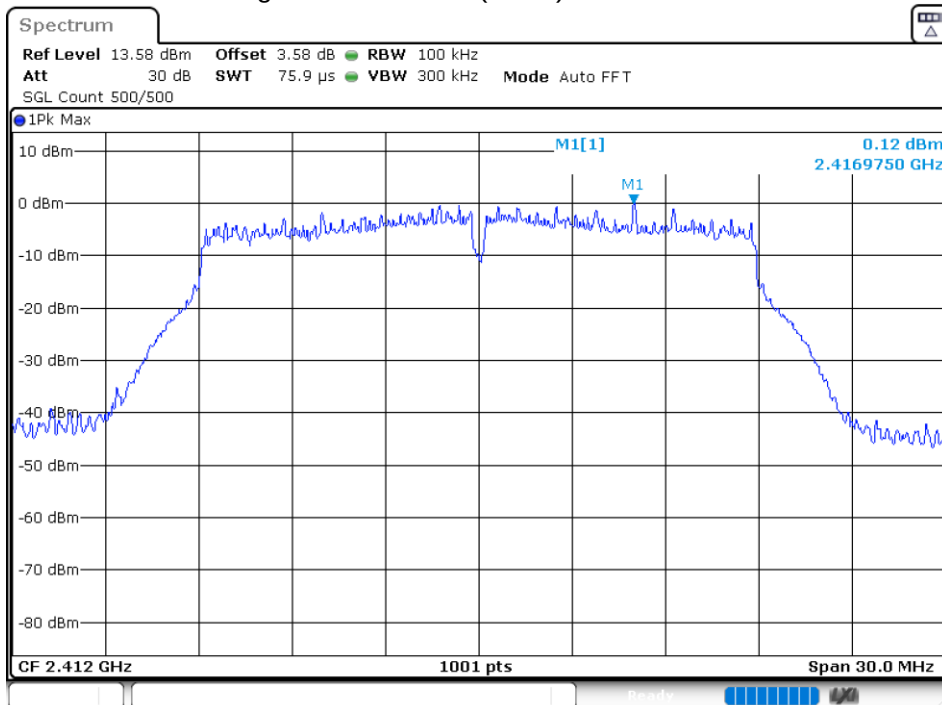
### Band Edge NVNT 802.11n(HT20) 2412MHz Ant1 Ref



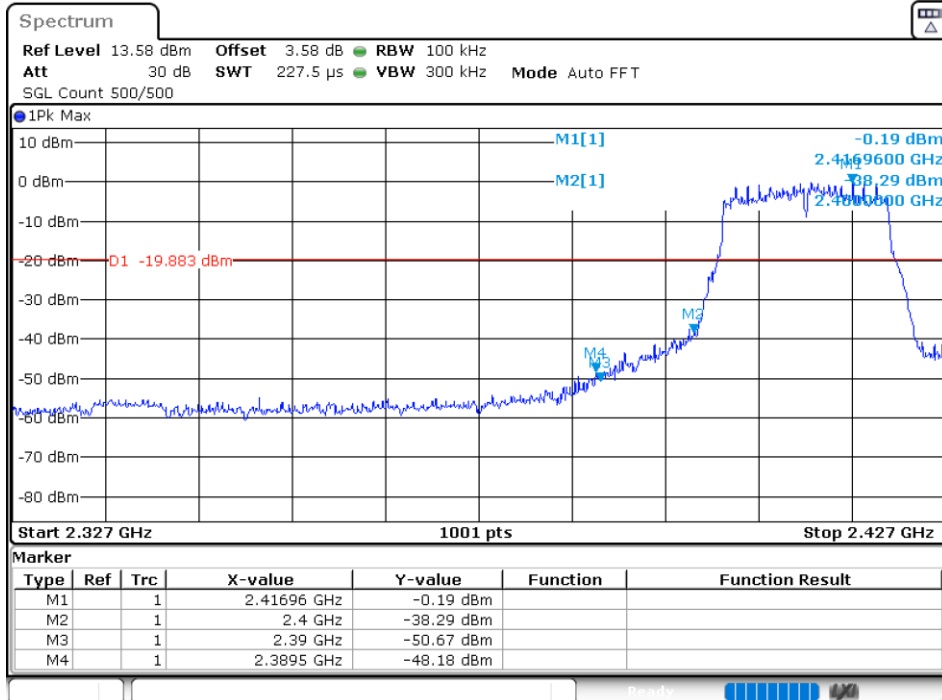
### Band Edge NVNT 802.11n(HT20) 2412MHz Ant1 Emission



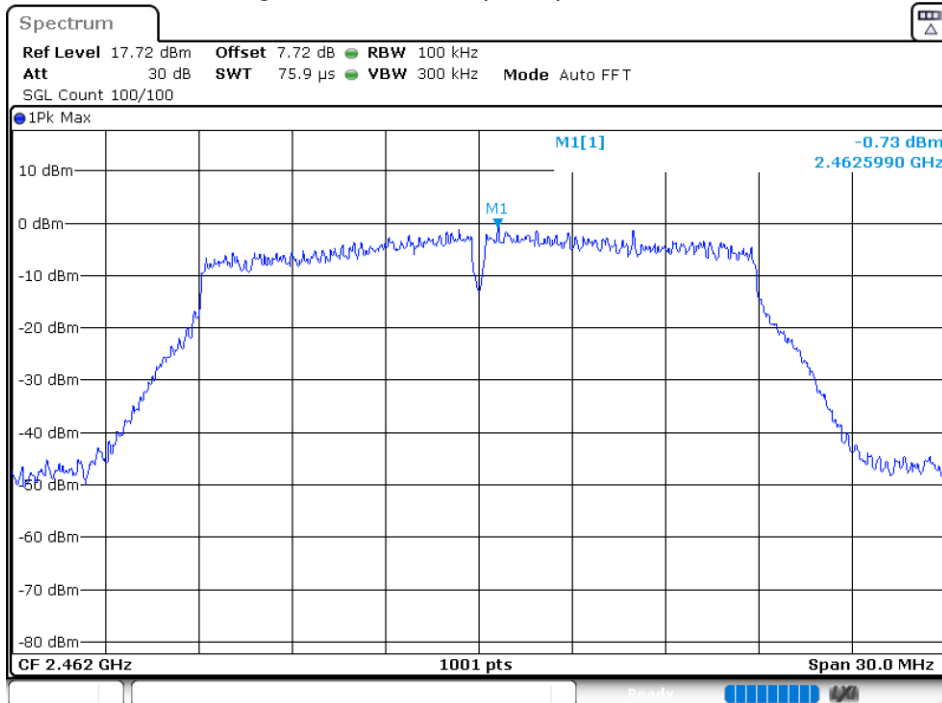
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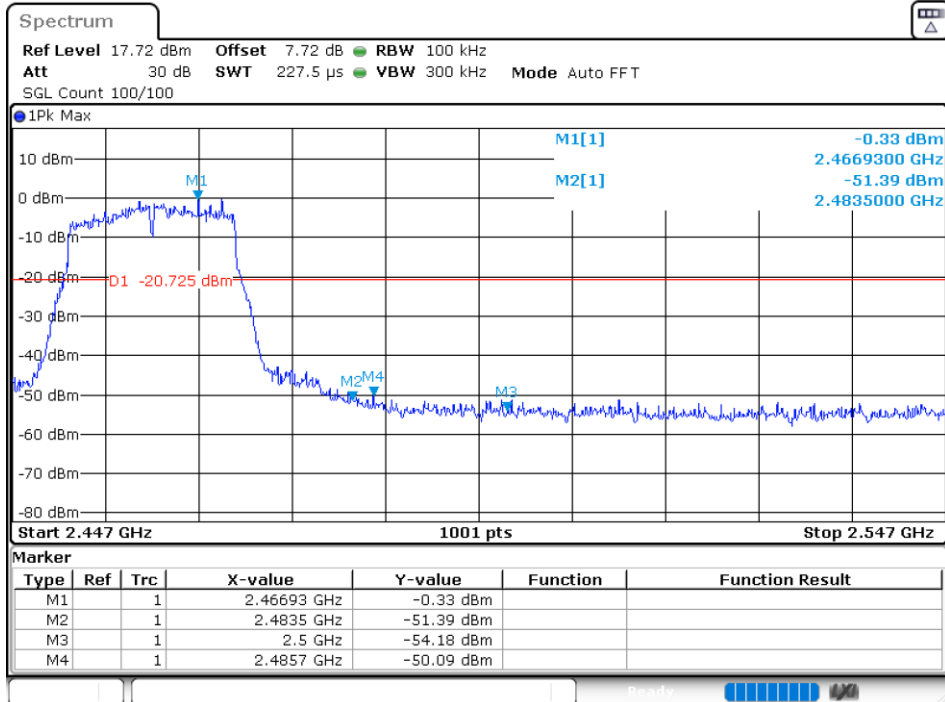
### Band Edge NVNT 802.11n(HT20) 2412MHz Ant2 Emission



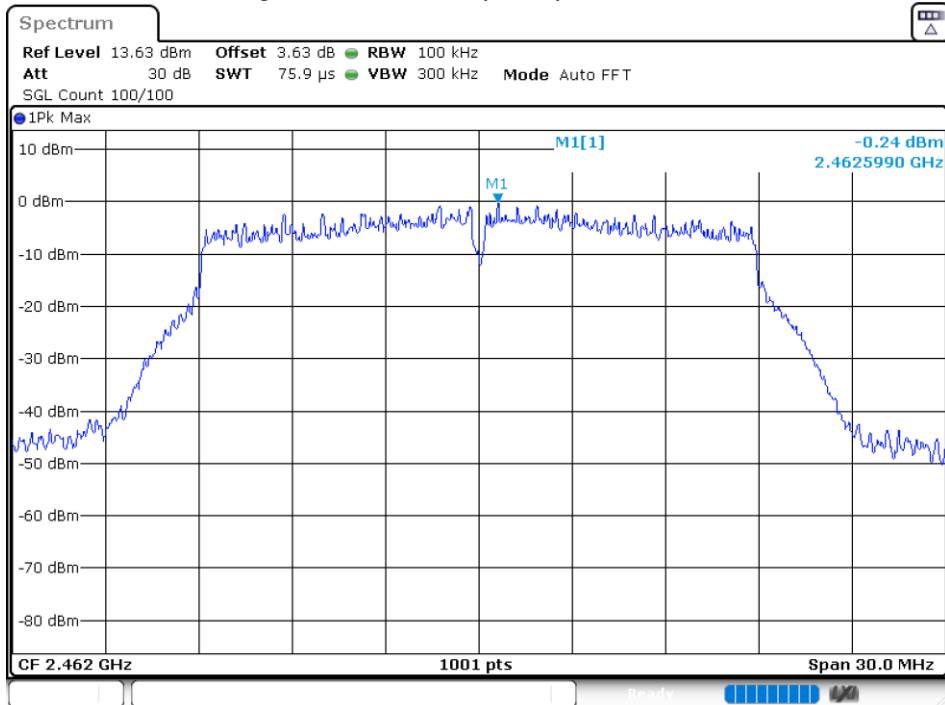
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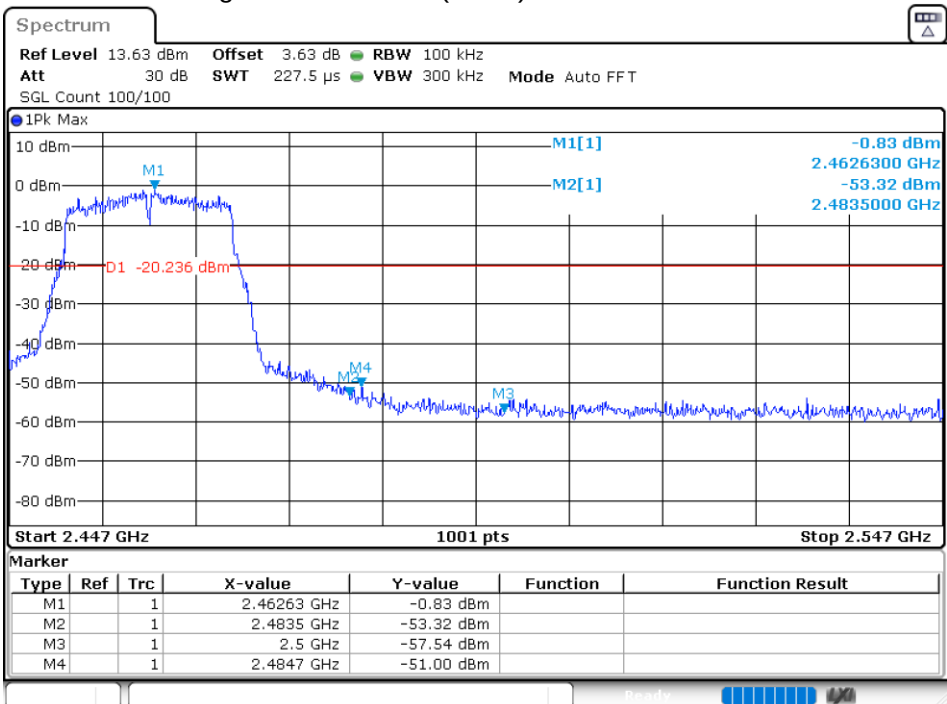
Band Edge NVNT 802.11n(HT20) 2462MHz Ant1 Emission



Band Edge NVNT 802.11n(HT20) 2462MHz Ant2 Ref



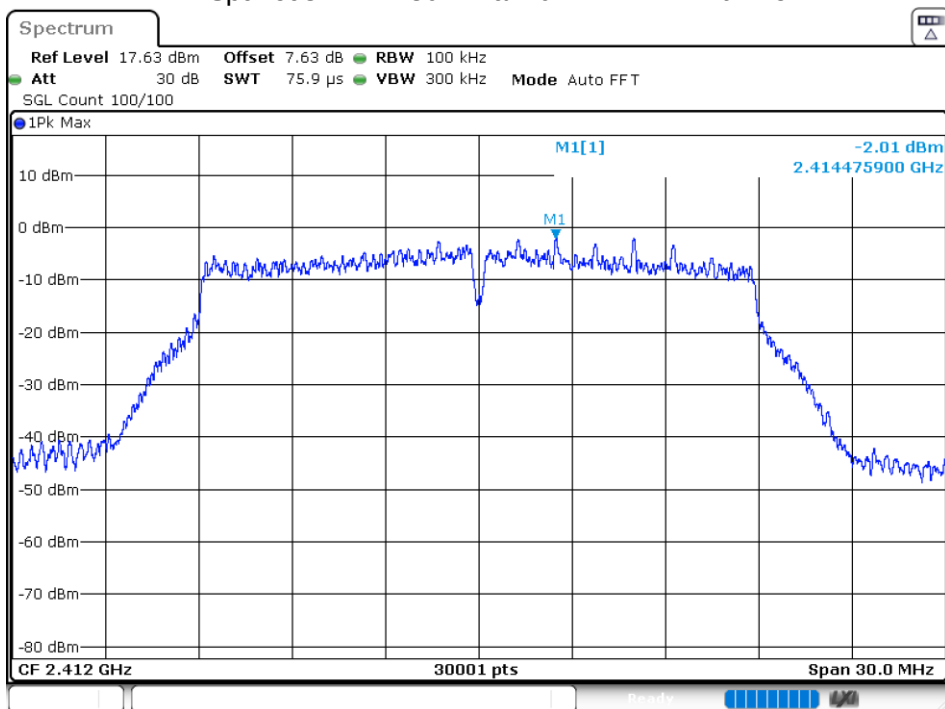
Band Edge NVNT 802.11n(HT20) 2462MHz Ant2 Emission



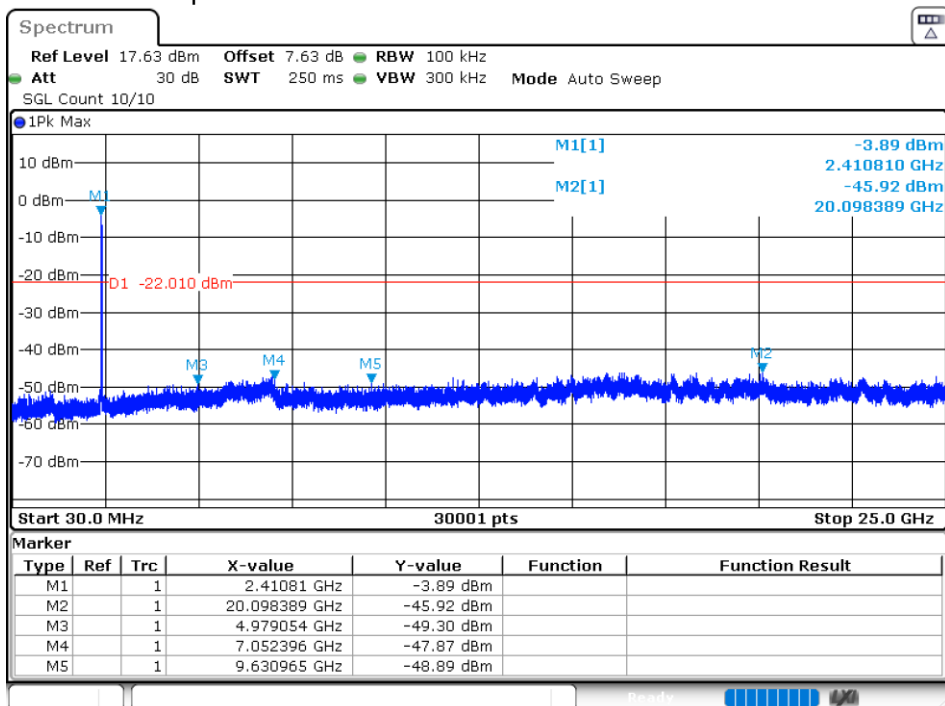
### 8.10 CONDUCTED RF SPURIOUS EMISSION

| Condition | Mode          | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|---------------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 802.11ax20    | 2412            | Ant 1   | -43.9           | -20         | Pass    |
| NVNT      | 802.11ax20    | 2412            | Ant 2   | -48.9           | -20         | Pass    |
| NVNT      | 802.11ax20    | 2437            | Ant 1   | -42.9           | -20         | Pass    |
| NVNT      | 802.11ax20    | 2437            | Ant 2   | -43.15          | -20         | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 1   | -43.49          | -20         | Pass    |
| NVNT      | 802.11ax20    | 2462            | Ant 2   | -43.5           | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 1   | -44.14          | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2412            | Ant 2   | -48.14          | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Ant 1   | -43.54          | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2437            | Ant 2   | -48.8           | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 1   | -44.82          | -20         | Pass    |
| NVNT      | 802.11n(HT20) | 2462            | Ant 2   | -47.63          | -20         | Pass    |

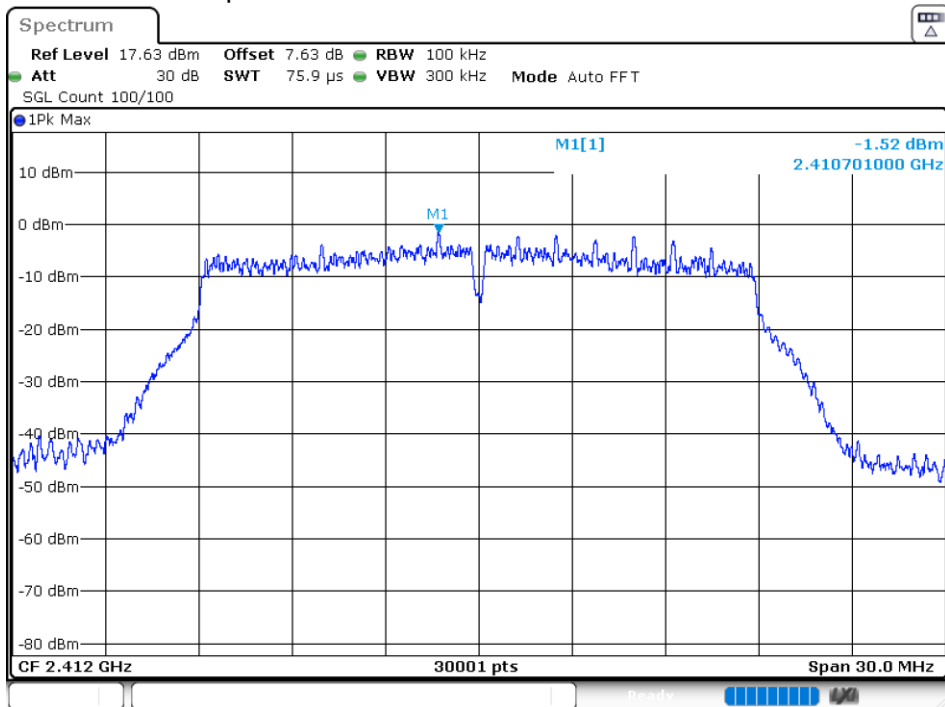
Tx. Spurious NVNT 802.11ax20 2412MHz Ant1 Ref



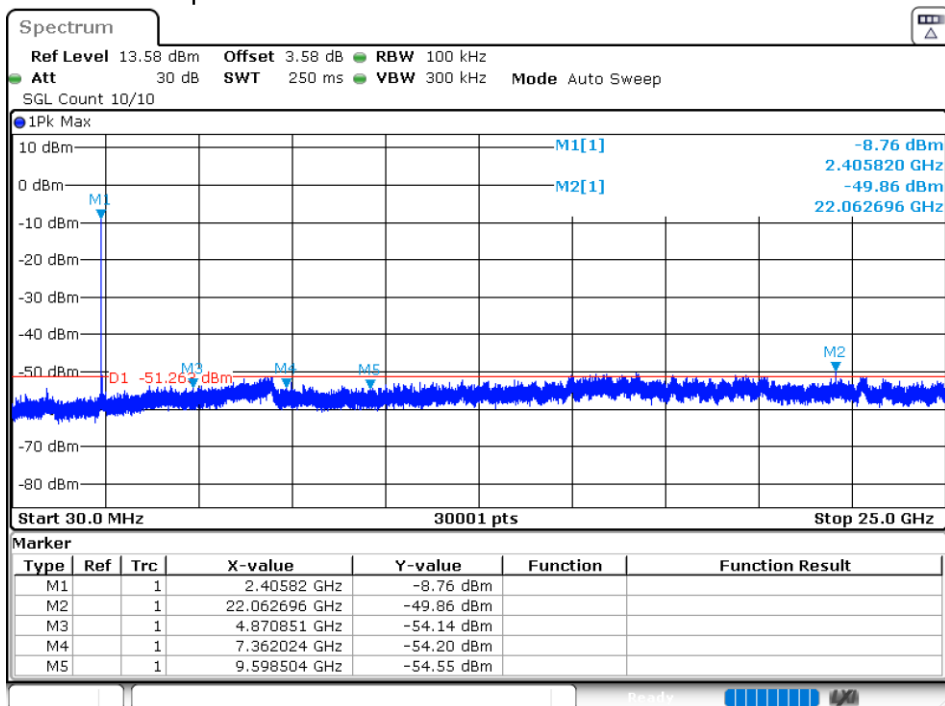
Tx. Spurious NVNT 802.11ax20 2412MHz Ant1 Emission



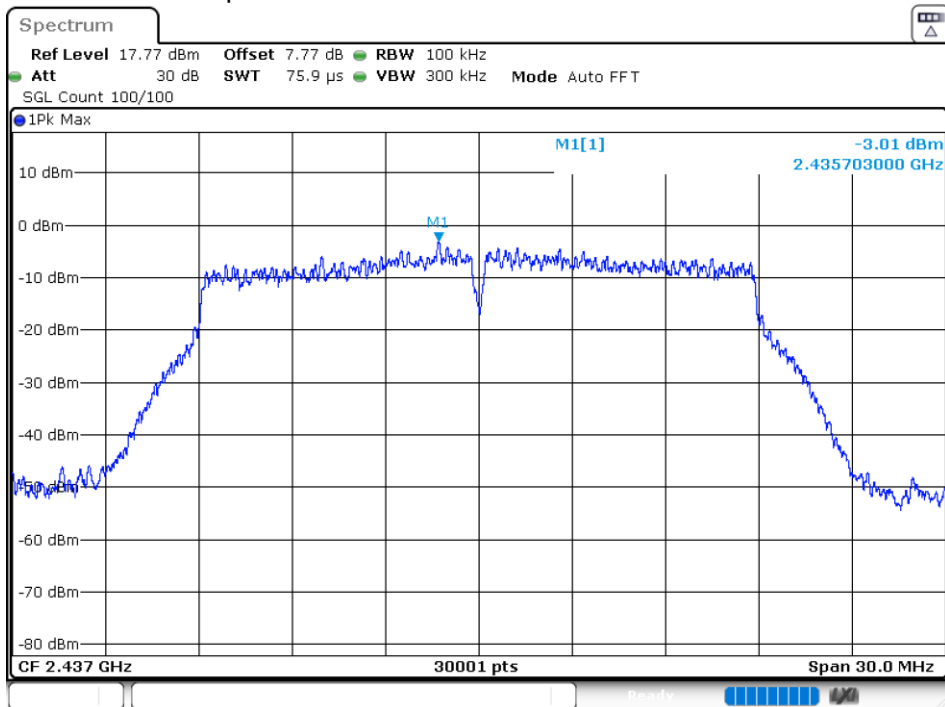
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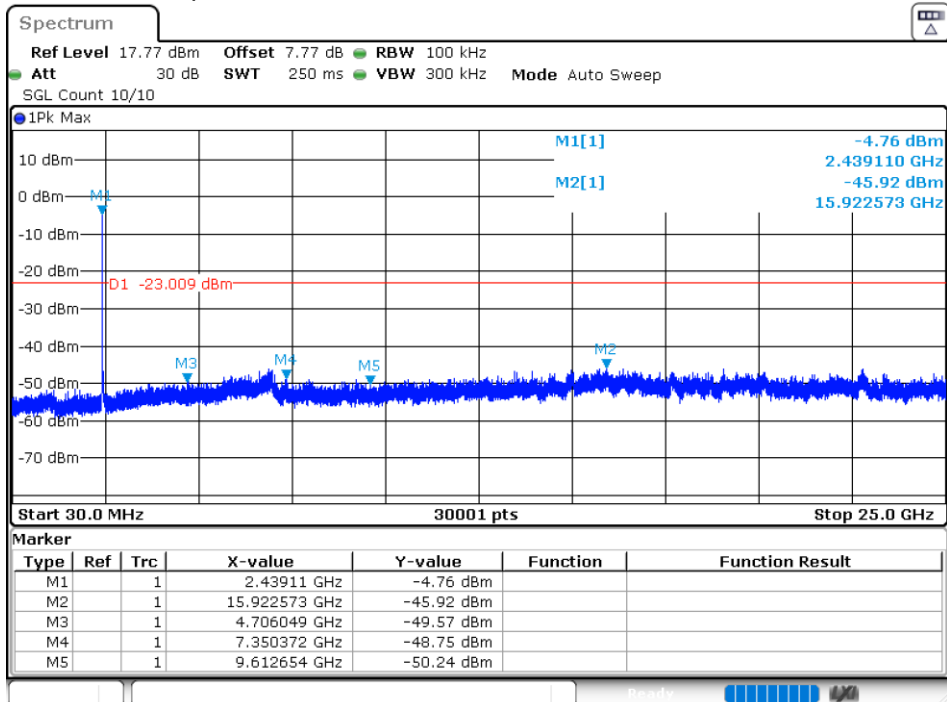
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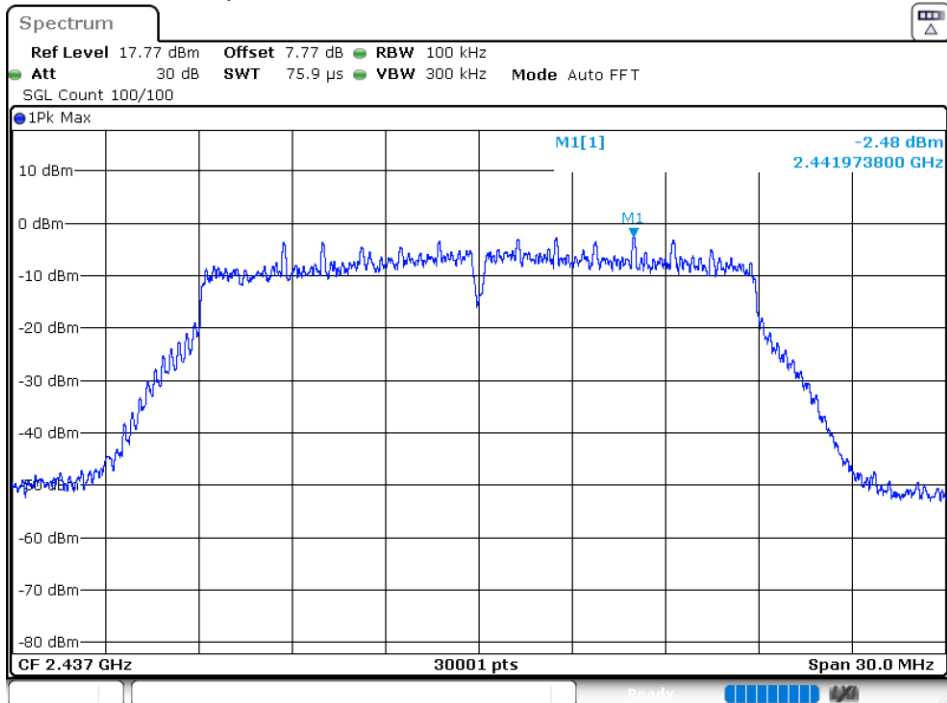
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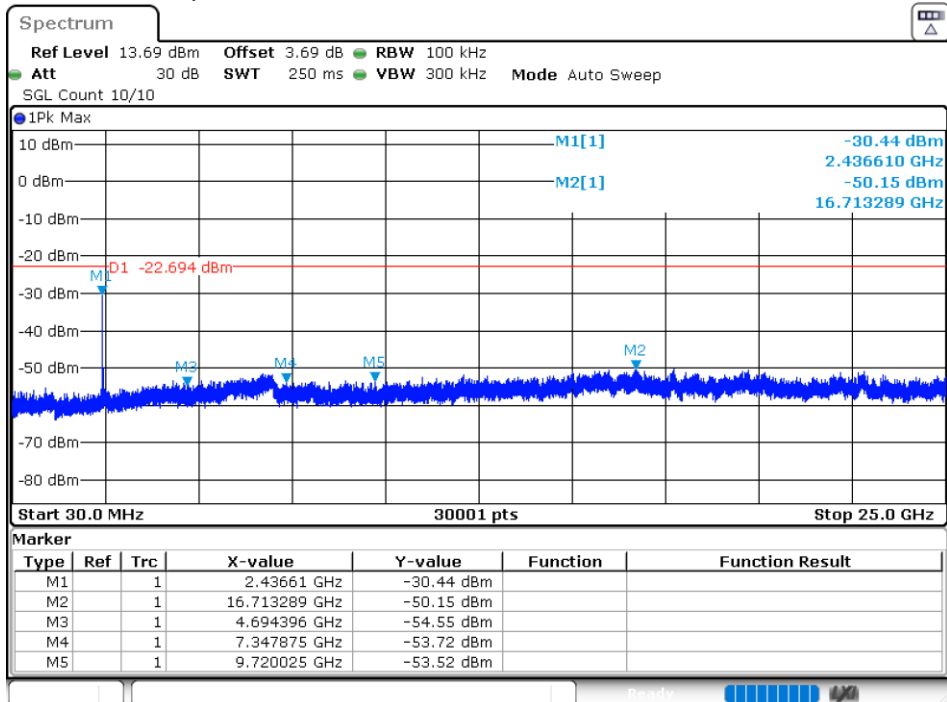
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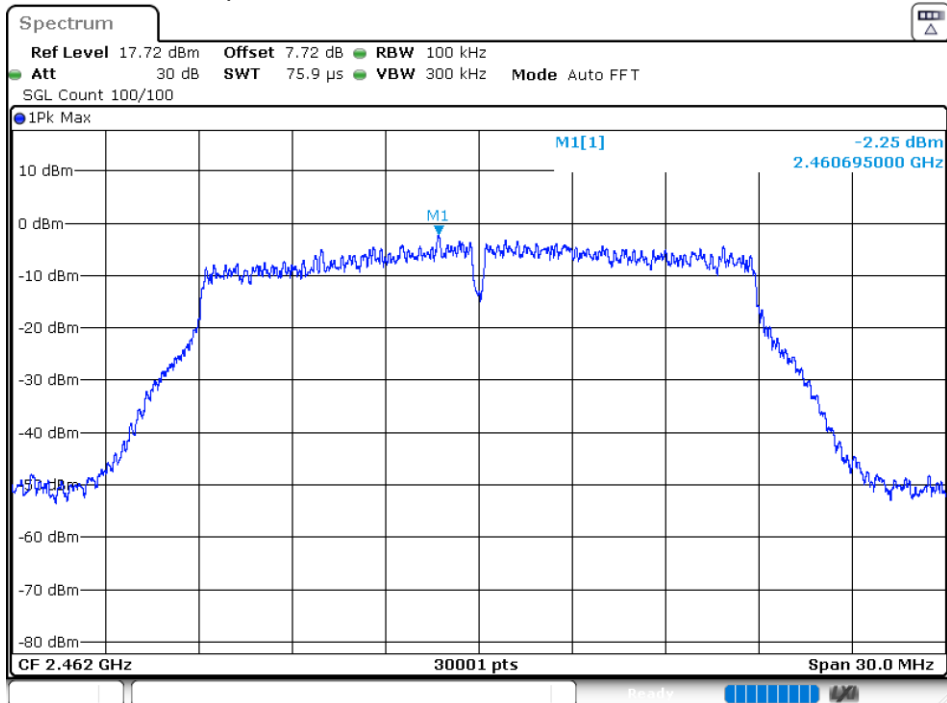
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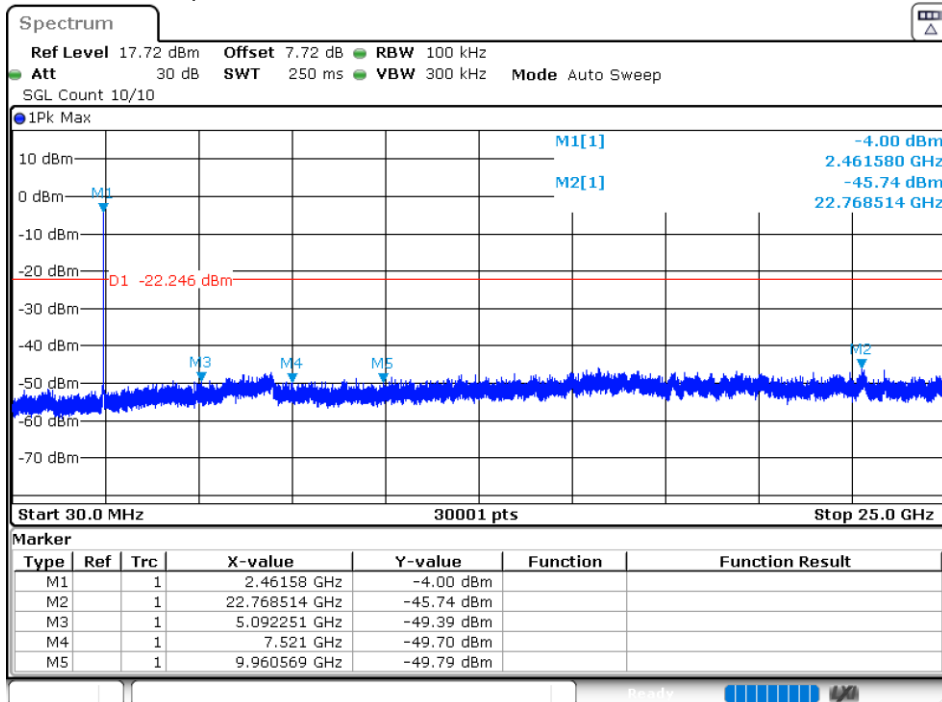
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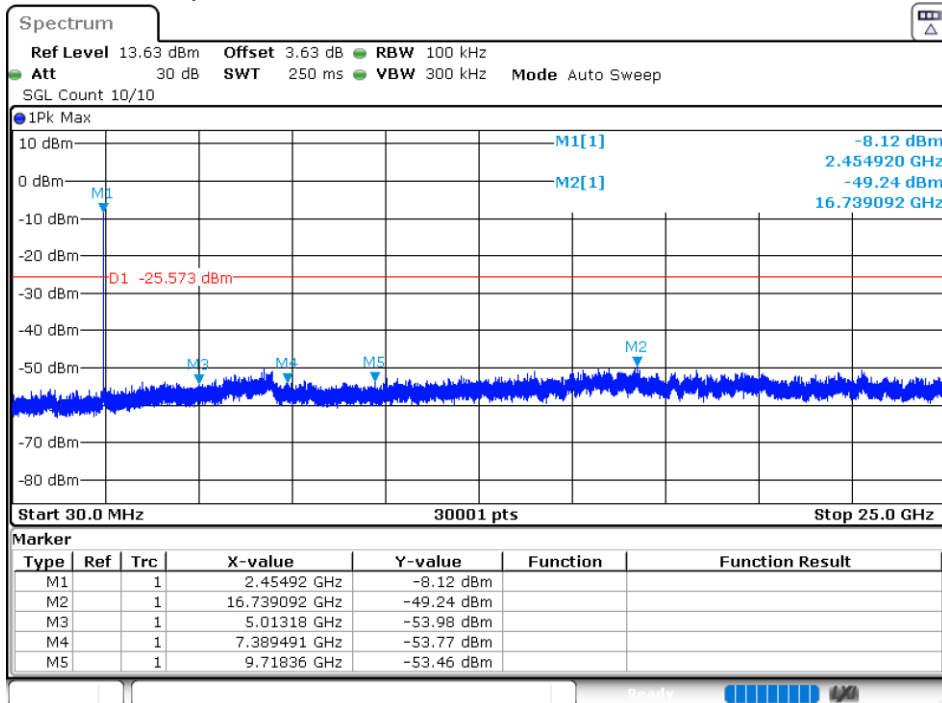
Tx. Spurious NVNT 802.11ax20 2462MHz Ant1 Ref



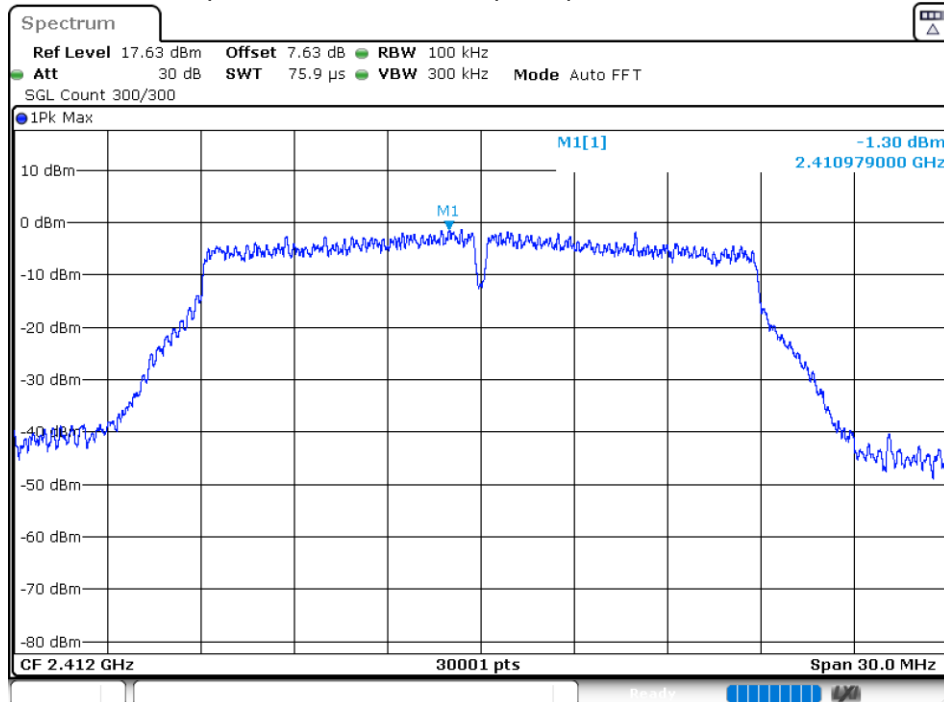
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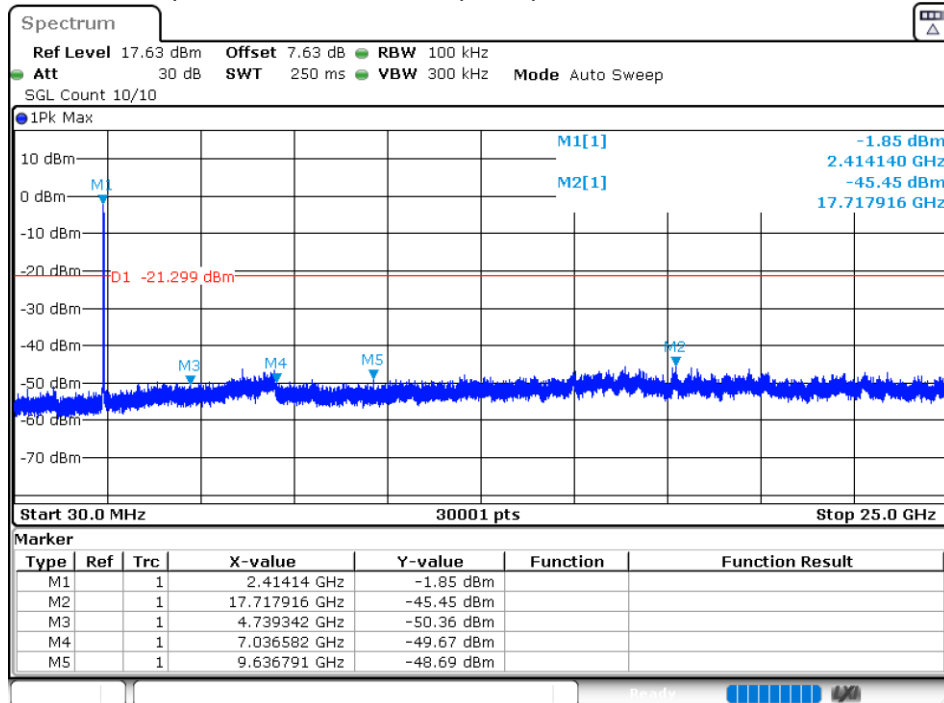
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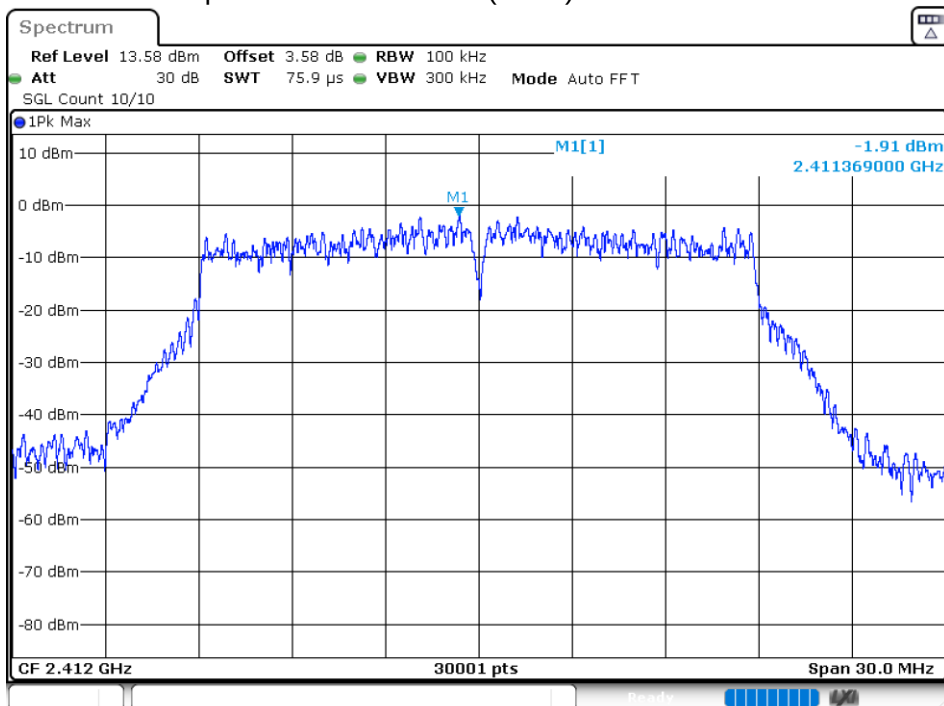
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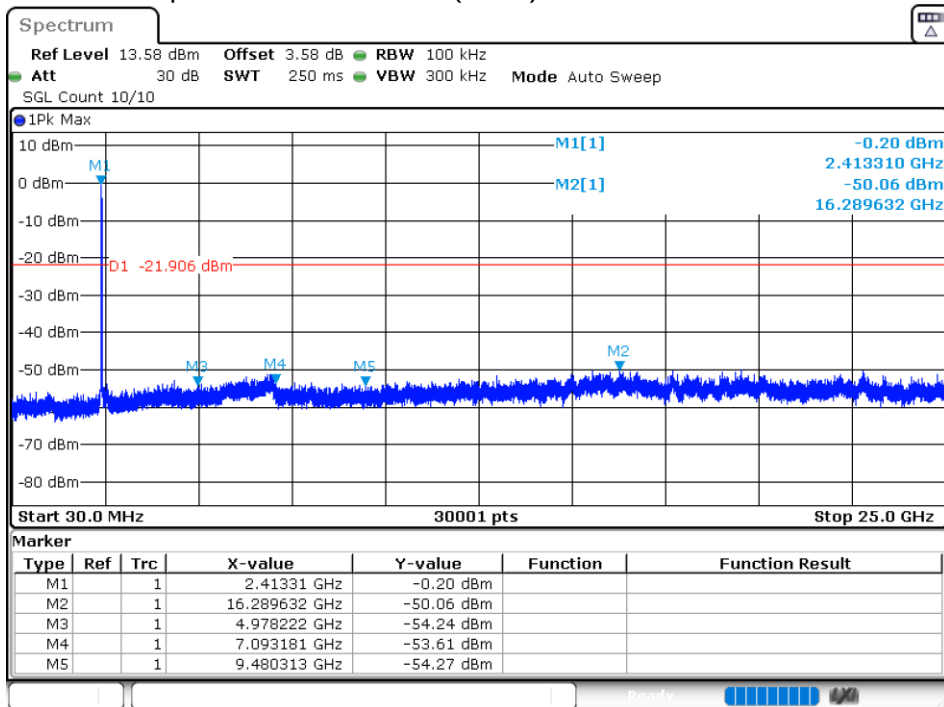
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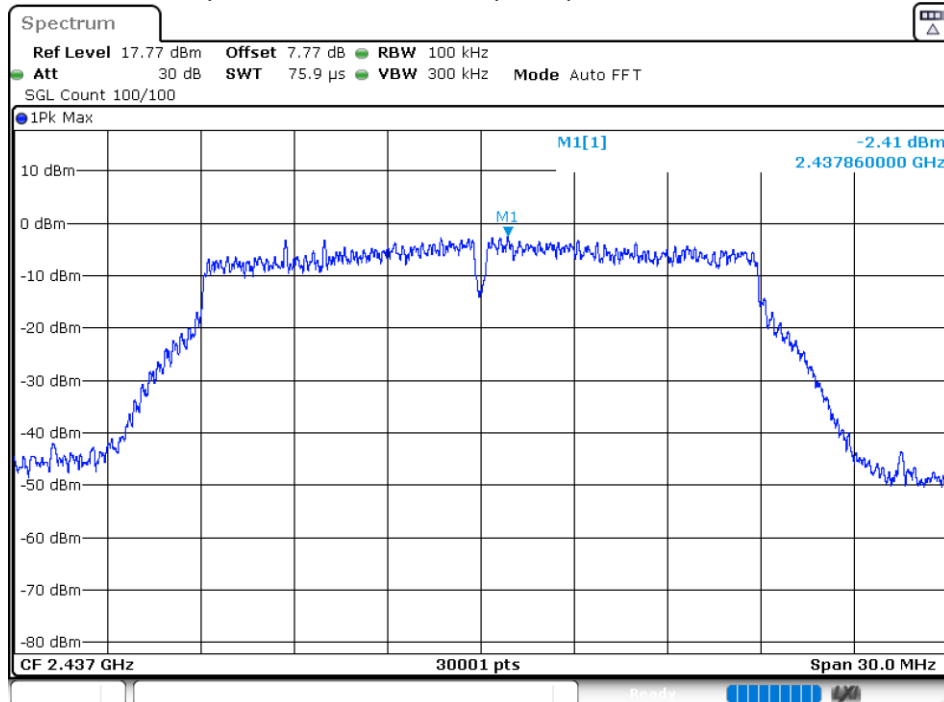
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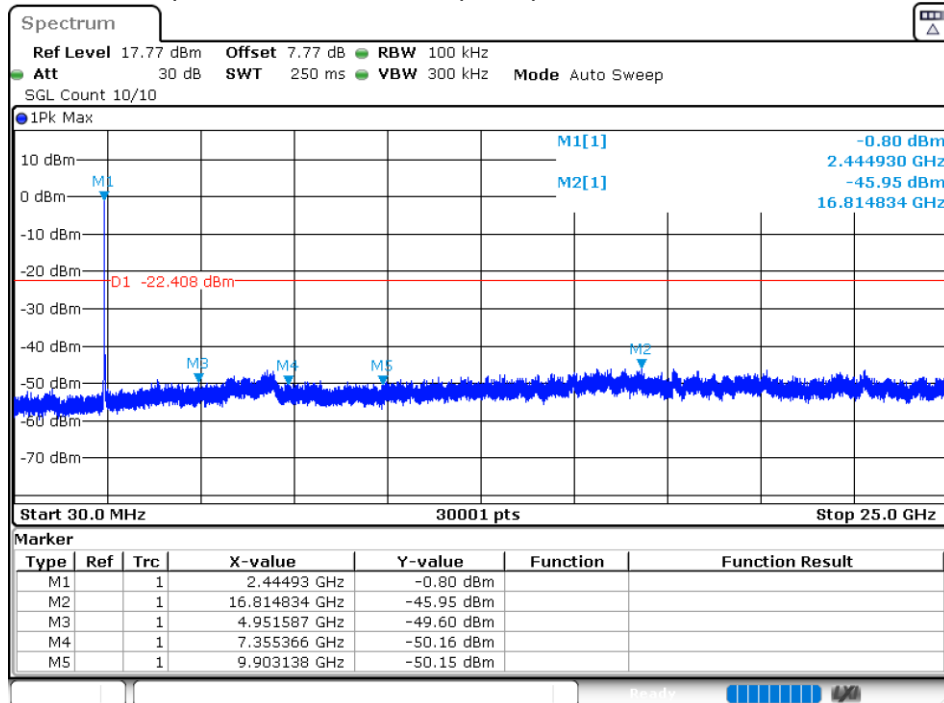
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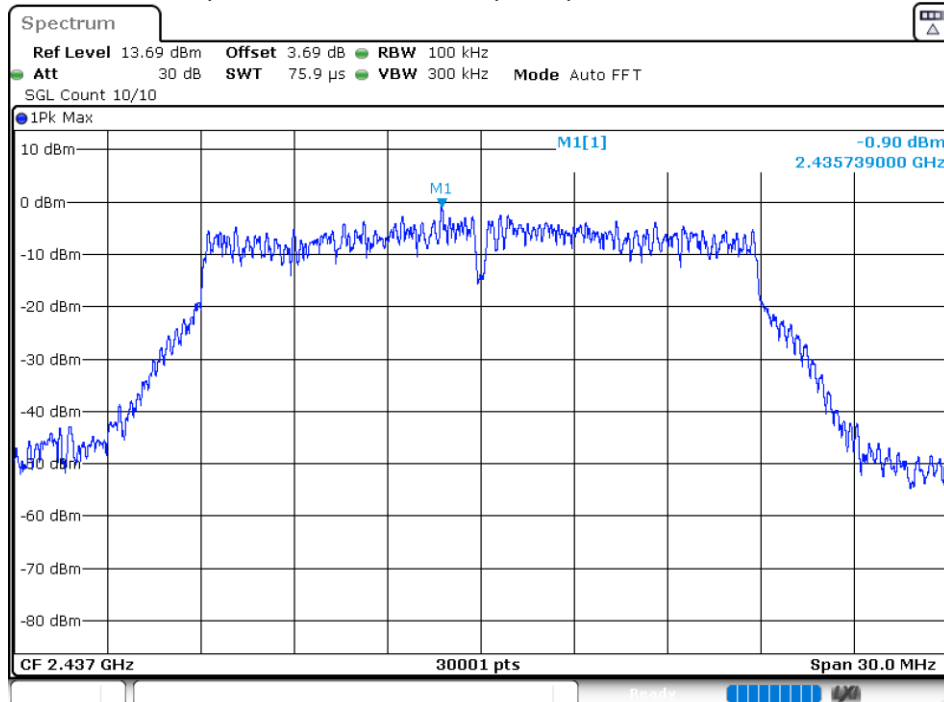
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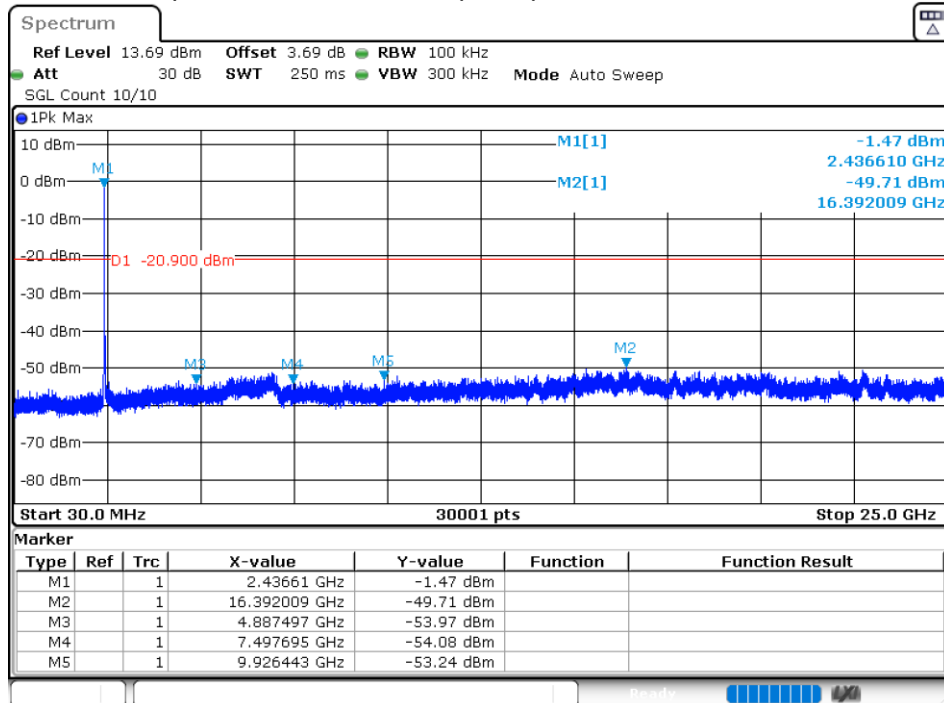
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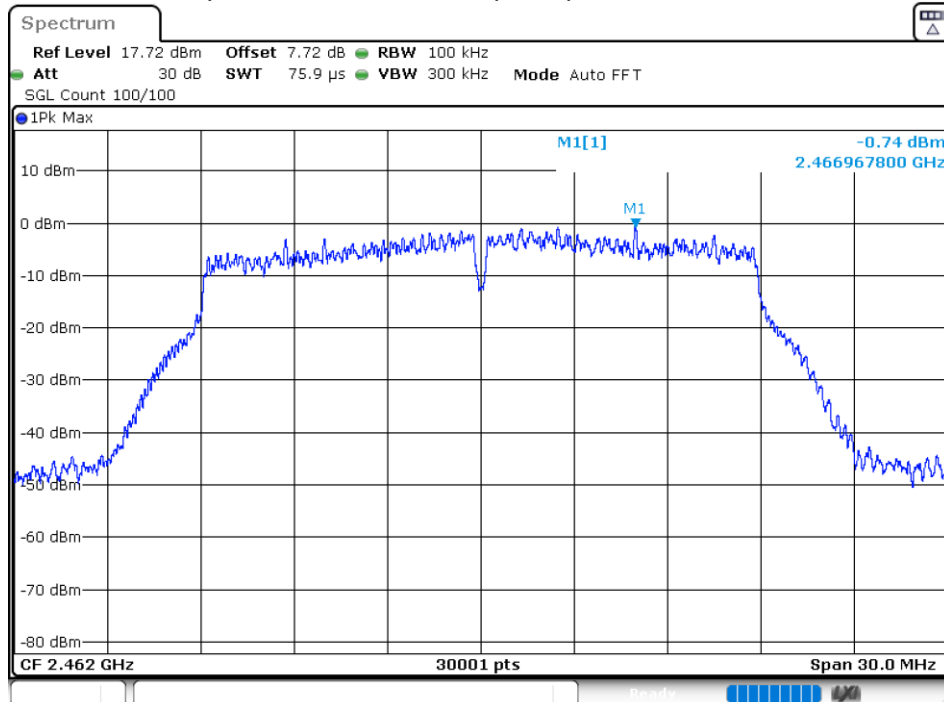
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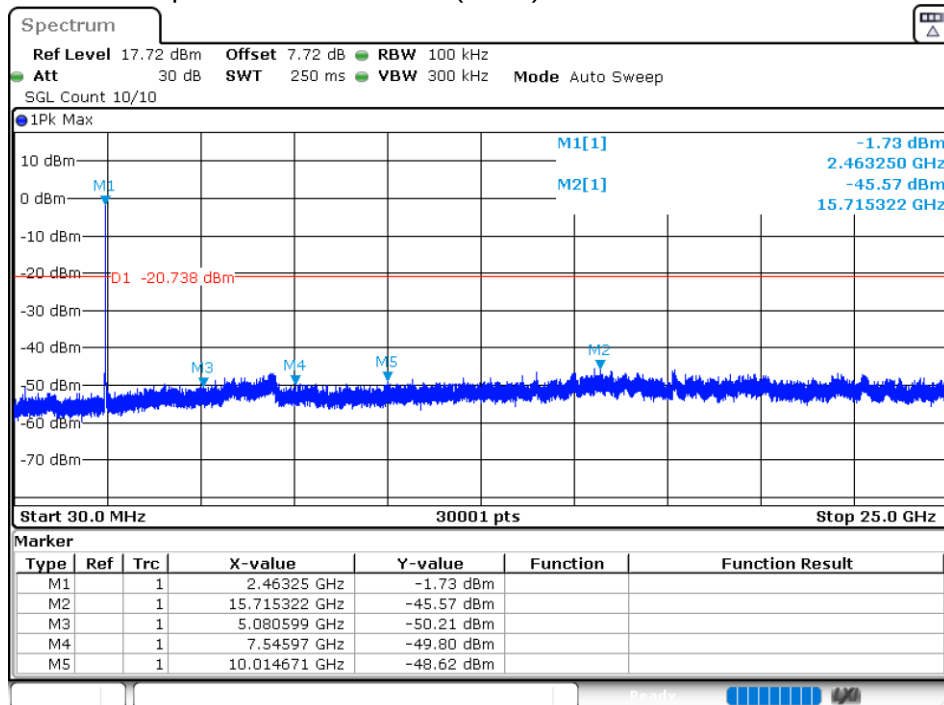
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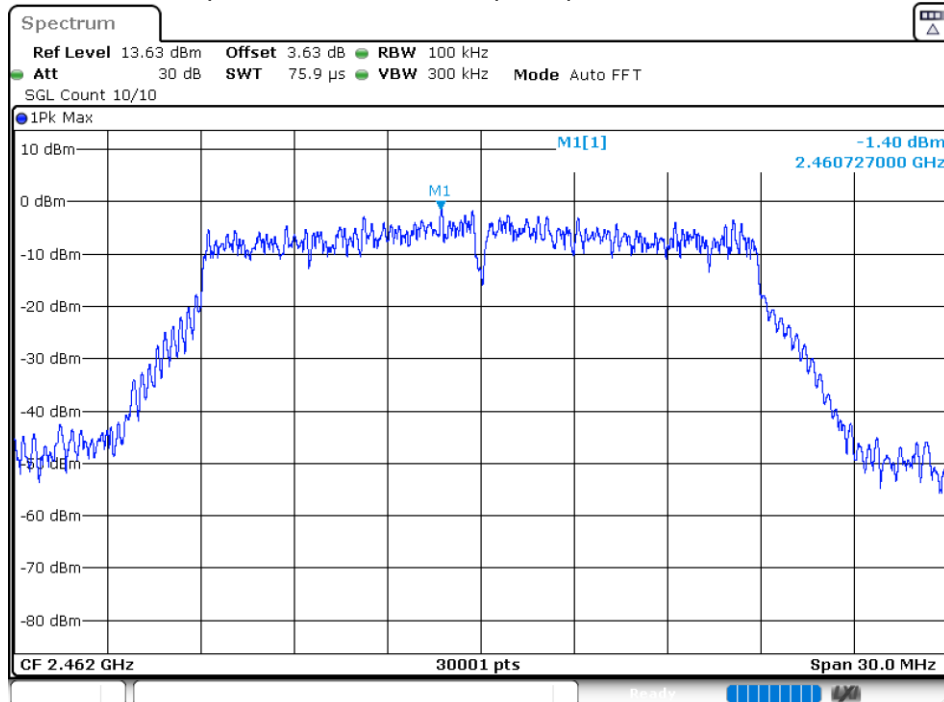
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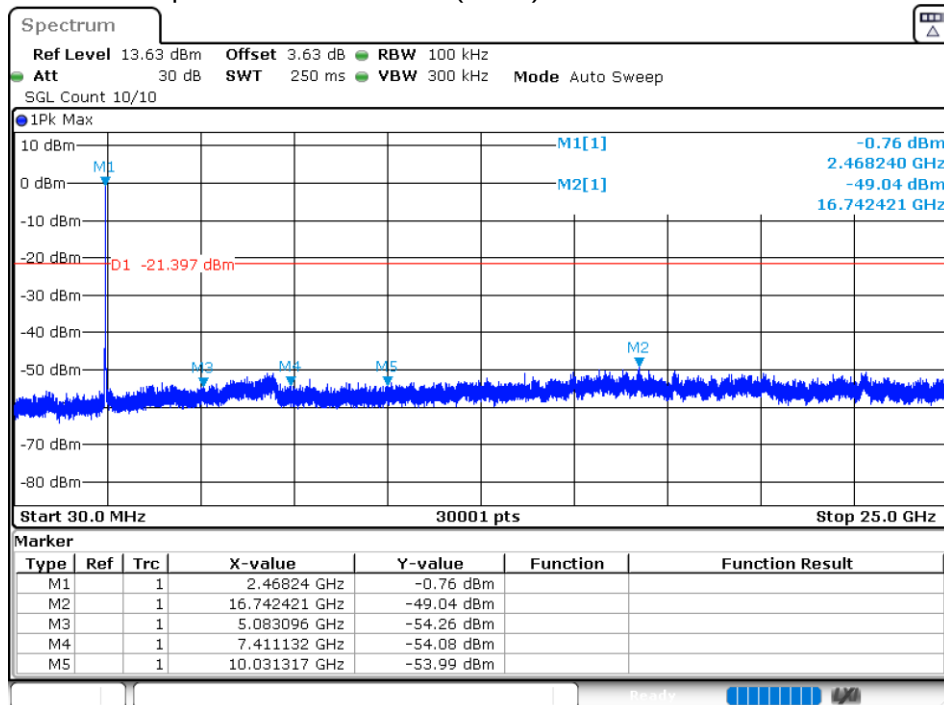
Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant2 Ref



Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant2 Emission



END OF REPORT