

Programming Example: Return Peak Table Data with an SSA3000X Spectrum Analyzer

March 09, 2020

The SIGLENT SSA3000X series of spectrum analyzers have an on-screen peak detection that can be used to easily show the peak values in a

- Configure the instrument span, RBW, and amplitude to capture the signals of interest
- Send “:CALC:MARK:PEAK:TABL ON”
- Send “:CALC:PEAK:TABL? ” to return the peak table data

Here, we show the displayed peak table and the data return using a VISA interface:

The VISA Test Panel shows the following return data:

```

Return Data
+1.5624000000E+09,
-5.7060546875E-01,
1.2180000000E+09,
+5.7172851562E-01,
1.8508000000E+09,
-5.7333984375E-01,
2.0412000000E+09,
-5.7387695312E-01,
4.1720000000E+08,
-5.9233398438E-01,

```

The SIGLENT spectrum analyzer interface shows the following Peak Table:

| Peak | X Axis | Ampt |
|------|-----------------|------------|
| 1 | 1.562400000 GHz | -57.06 dBm |
| 2 | 1.218000000 GHz | -57.17 dBm |
| 3 | 1.850800000 GHz | -57.33 dBm |
| 4 | 2.041200000 GHz | -57.39 dBm |
| 5 | 417.2000000 MHz | -59.23 dBm |



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