

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;\n+
1.2180000000E+09,
-5.7172851562E-01;\n+
1.8508000000E+09,
-5.7333984375E-01;\n+
2.0412000000E+09,
-5.7387695312E-01;\n+
4.1720000000E+08,
-5.9233398438E-01;\n
  
```

The SIGLENT spectrum analyzer interface displays 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



North American Headquarters

SIGLENT Technologies America, Inc
6557 Cochran Rd Solon, Ohio 44139
Tel: 440-398-5800
Toll Free:877-515-5551
Fax: 440-399-1211
info@siglent.com
www.siglentamerica.com/

European Sales Offices

SIGLENT TECHNOLOGIES EUROPE GmbH
Staetzlinger Str. 70
86165 Augsburg, Germany
Tel: +49(0)-821-666 0 111 0
Fax: +49(0)-821-666 0 111 22
info-eu@siglent.com
www.siglenteu.com

Asian Headquarters

SIGLENT TECHNOLOGIES CO., LTD.
Blog No.4 & No.5, Antongda Industrial Zone,
3rd Liuxian Road, Bao'an District,
Shenzhen, 518101, China.
Tel:+ 86 755 3661 5186
Fax:+ 86 755 3359 1582
sales@siglent.com
www.siglent.com/ens