

SINGLE SOURCE CERTIFICATION

Authority is requested to make the following purchase under the provision of USF System Regulation USF4.02010(IV)(A)(2)(b) as a non-competitive purchase available from only one source. By submitting this form, department acknowledges that existing <u>exemptions</u> will not apply to this purchase. Single source requests exceeding \$75,000 must be signed by a Procurement Director and posted publicly for (3) business days.

| DATE: 10/18/2022 | | | | |
|---|--|--|--|--|
| ITEM(S): M8190A Arbitrary Wav | veform Generator, MXR404 | A Infiniium Real-Tir | ne Oscillosco | pe, M9502A AXIe Chassis |
| PRICE: \$105,916.15 | | FUND #: 1000 | 9 210600 | 0 ENG200 015802 |
| SUPPLIER ID: 0000086537 | , | REQUISITION#: | 164134 ⁻ | 789 |
| SUPPLIER NAME: Keysight | | | | |
| FEDERAL GRANT: Y | N | | | |
| In your words, describe the edare essential to the accomplis | | r contractual ser | vice. Explai | n how these specification |
| The M8190A is high precision 2 of multi-tone signals, wideband digit phased array, radar, and wireless oscilloscope with 10 bit of vertica and 8 channels that would be used VSA software which has been provide bandwidth requirements of BUSF Center for Wireless and Michael widebandwidth. | tal modulated signals with a scommunications. The pro I resolution and an architected as a receiver to analyze eviously donated to USF. The both generating and receiving the signal and receiving and | mplitude correction posal includes a Ke ure that would allow the signals created hese capabilities and wireless signals | to be used for eysight 4 chaws a growth partition with the AWG re of utmost in the second contractions. | or applications such as annel 4GHz MXR404A ath to up to 6GHz of BWG, using Keysight 89600 mportance to support the |
| In your own words, describe t how the stated specification(s features/compatibility/specifi | s) restrict the requisition | to only one supp | olier. Descr | iption may include unique |
| The Keysight M8190A along with the equipment combination that can trans | | Is with more than 4 G | Hz analog ban | dwidth with up to 14 Bit |
| resolution for 8 GS/s and up to 12 Bit Systems also has the Keysight 89600 and can give the wireless group 's u on feedback from the MXR404A, whi executing high-accuracy experiments | resolution for 12 GS/s samplin OVSA software donated to ther inique research capabilities. Ad ch is not the case when using e | n, which is a unique s ditionally, the M8190 | A can calibrate | oturing and analyzing signals the transmitted signals based |
| Systems also has the Keysight 89600 and can give the wireless group 's u on feedback from the MXR404A, whi | resolution for 12 GS/s samplin 0 VSA software donated to ther inique research capabilities. Ad ch is not the case when using e is in a non-ideal environment. he due diligence conduct her suppliers with item(| n, which is a unique s ditionally, the M8190, equipment from different ted to validate the s)/service(s) with | A can calibrate ant brands. This nis supplier a similar fun | the transmitted signals based is is very important when as Single Source. |
| Systems also has the Keysight 89600 and can give the wireless group 's u on feedback from the MXR404A, whie executing high-accuracy experiments In your own words, describe t Description SHOULD list all others. | resolution for 12 GS/s sampling resolution for 12 GS/s sampling VSA software donated to ther inique research capabilities. Adich is not the case when using earlier in a non-ideal environment. The due diligence conduction is a supplier with item (in the why these suppliers would be contained and item of the contained in the con | ted to validate to solve the distance of the d | A can calibrate ent brands. This supplier a similar fun submit a co GHz was quoted a most modern auton P9082D for a total so bandwidth of 4.5 able to acquire a \$5 able to acquire a \$5 | as Single Source. as Single Source. actions, your efforts to empetitive quote. at \$90398.00. Unfortunately, 2 GHz notive radar signals utilize around 4 GHz \$51165.75 but this arbitrary waveform GHz but only 8 Bit resolution. 31200.00 quote for the RTO6 Digital |
| Systems also has the Keysight 89600 and can give the wireless group 's u on feedback from the MXR404A, while executing high-accuracy experiments. In your own words, describe to Description SHOULD list all other identify other suppliers, and with the faculty has requested quotes from Rohde & Standwidth is not enough for the interests of the U of bandwidth. Additionally, the faculty has request generator cannot generate signals with more than The faculty was only able to find only one oscillos Oscilloscope. This oscilloscope unfortunately doe for our research. | resolution for 12 GS/s sampling resolution for 12 GS/s sampling VSA software donated to ther inique research capabilities. Adich is not the case when using earlier in a non-ideal environment. The due diligence conduction is a supplier with item (in the why these suppliers would be contained and item of the contained in the con | ted to validate the sylvariance of the department of the department of the sylvariance of | A can calibrate ent brands. This supplier a similar fun submit a co GHz was quoted a most modern auton P9082D for a total so bandwidth of 4.5 able to acquire a \$5 able to acquire a \$5 | oturing and analyzing signals the transmitted signals based is is very important when as Single Source. actions, your efforts to empetitive quote. It \$90398.00 . Unfortunately, 2 GHz notive radar signals utilize around 4 GHz \$51165.75 but this arbitrary waveform GHz but only 8 Bit resolution. \$1200.00 quote for the RTO6 Digital 600 VSA software, which is very important |
| Systems also has the Keysight 89600 and can give the wireless group 's u on feedback from the MXR404A, while executing high-accuracy experiments. In your own words, describe to Description SHOULD list all other identify other suppliers, and words, and width is not enough for the interests of the U of bandwidth. Additionally, the faculty has request generator cannot generate signals with more than The faculty was only able to find only one oscillos Oscilloscope. This oscilloscope unfortunately doe for our research. | resolution for 12 GS/s sampling vSA software donated to ther inique research capabilities. Ad ch is not the case when using easin a non-ideal environment. The due diligence conduction of the | ted to validate the sylvantion systems because arbitrary waveform generator and does not a sorm generator and sort generator gen | A can calibrate ent brands. This ent brands. This ent brands. This ent supplier a similar fun submit a co GHz was quoted a most modern auton P9082D for a total s bandwidth of 4.5 able to acquire a \$3 sable a \$3 sable to Acquire a \$3 sable to Acquire a \$3 sable a | the transmitted signals based is is very important when as Single Source. actions, your efforts to empetitive quote. It \$90398.00 . Unfortunately, 2 GHz notive radar signals utilize around 4 GHz \$51165.75 but this arbitrary waveform GHz but only 8 Bit resolution. \$1200.00 quote for the RTO6 Digital 600 VSA software, which is very important END 11/4/22 |