E.S.S.
ENGINEERING SPECIALTIES SERVICE

680 North Bedford Street, 2nd Floor
East Bridgewater, MA. 02333
Tel: 508-378-1112
Fax: 508-378-2410

Your High Frequency Connection…

Visit us on the WEB at: www.engineeringspecialties.net

Date: February 24, 2016

Purchase order number: 29958
E.S.S. Job Number: J15-2520
Customer Telephone: 508-226-3350
File: S16-2520

Customer

Barry Industries Inc.
60 Walton Street
P.O. Box 1326
Attleboro, MA. 02763

CERTIFICATE OF COMPLIANCE

It is certified that all-applicable specifications, materials, drawings, equipment and services pursuant to the above referenced purchase order have been met. Electrical test equipment used to verify the components listed are calibrated against standards to NIST. Our Quality Assurance system conforms to Mil-Q-9858. Our inspection system conforms to MIL-I-45208 and our calibration system conforms to MIL-C-45662. Specific certifications regarding an individual item or test is listed below if applicable.

Substantiating inspection and test data, if applicable, is available through E.S.S. for necessary review by the buyer. Prior notice of such inspection is required and may result in additional charges to the buyer for the time involved.

Authorized by: Richard J. Pavadore:
(Only one signature required)

PARTS / SERVICES SUPPLIED UNDER THIS CERTIFICATE

Item	Part Number	REV	Description	QUANTITY Accepted
1	Chip resistor		Test Return loss/VSWR of chip resistor DC -65 GHz **	3

Description of Work performed under this certificate if applicable:

** Barry Industries supplied chip resistors mounted to a 50 ohm test substrate. Barry also supplied Anritsu vector analyzer model, 37397A and 1.85 mm calibration kit, model 3654B for testing. We used a 1.85 mm to 0.047 semi-rigid probe fixtures to adapt to the Barry fixture and DUT. Time domain gating was used to de-embed the fixture. Return loss data is provided via S2P files, Excel spreadsheet, and Bitmap images as well as plotted hard copies.