



May 28, 2024

Letter Report No. 419540-01-01-L24-0469

Market Central, Inc.
19 North Main Street
Houston, PA 15342

Attention: Mr. Randall Morse

Subject: TEMPEST Evaluation of SecureSwitch® Fiber Optic Switches

References:

- (a) Market Central, Inc. Purchase Order No. 28769
- (b) SecureSwitch® Fiber Optic Switch Models A, B, C, D, 1:1, 2:1, 3:1, 4:1, 5:1, 6:1, 7:1 and 8:1 Security Target, December 2021
- (c) Secure Switch Common Criterial EAL4 Documentation, TOE Design Document & Implementation Representation, June 2020
- (d) LightBand Dual 1x1, 1x2 Multimode Fiber Optic Switch Data Sheet
- (e) NSTISSAM TEMPEST/1-92, Compromising Emanations Laboratory Test Requirements, Electromagnetics

The Reference documents (b), (c), and (d) were reviewed with respect to the relevance as they relate to the TEMPEST compliance specified in Reference document (e).

After careful review of Reference Documents (b), (c) and (d), I have determined that the SecureSwitch® Fiber Optic Switch Models A, B, C, D, 1:1, 2:1, 3:1, 4:1, 5:1, 6:1, 7:1 and 8:1 present no TEMPEST risk. This determination is based on the fact that the SecureSwitch® Fiber Optic Switch Models A, B, C, D, 1:1, 2:1, 3:1, 4:1, 5:1, 6:1 7:1 and 8:1 information data paths are totally fiber optic. By cascading two or more optical switches, isolation between ports exceeds the 65 dB requirement by at least 10 dB. The SecureSwitch® does not use any electrical components to process National Security Information.

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Should you have any questions, please feel free to contact the undersigned.

Very truly yours,

DAYTON T. BROWN, INC.

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