

ENGINEERING REPORT

SUBJECT: Porcelain Station Post Design Testing
DATE: January 18, 2016
PAGE 1 Test Requests: E15-08-40; E15-08-39; Report Number: R16-01-09
E15-08-38; E15-08-37;
M15-08-64; M15-08-63;
M15-08-61; M15-08-62

Porcelain Station Post Design Testing Catalog No. PSP2143001

Introduction:

Samples of catalog number PSP2143001 were subjected to design testing in accordance with ANSI C29.9. This report details the results of that testing.

Details:

All testing was performed in accordance with ANSI C29.9.

Catalog Number: PSP2143001

Clause – Test Name	Required	Unit #1	Unit #2	Unit #3	TR No.
7.2.1 – Low-Frequency Wet Withstand (kV)	100	103	104	103	E15-08-40
7.2.2 – Critical-Impulse Flashover, Pos. (kV)	280	289	288	288	E15-08-39
7.2.3 – Impulse Withstand (kV)	250	277	276	280	E15-08-38
7.2.4 – Radio-Influence Voltage (μ V @ 30kV)	200	3.6	3.7	3.2	E15-08-37
7.2.5 – Thermal Shock	Pass	Pass	Pass	Pass	M15-08-64
7.2.6 – Compression Strength (lb)	15,000	15,070*	15,130*	15,370*	M15-08-63
7.2.7 – Torsional Strength (in-lb)	12,000	70,140*	70,354*	70,169*	M15-08-62
7.3.4 – Cantilever Strength (lb)	2,000	4,041	4,612	4,805	M15-08-61

* - Withstand - no failure.

Conclusions:

Catalog number PSP2143001 met all of the requirements for the TR-214 porcelain station post.

