DOCUMENT CHANGE REQUEST

DCR number 1100	Changes required for: General	Originator: Dumortier
Date: 2024/10/22	Date sent: 2017/07/03	Organisation: Radiall
Status: IMPLEMENTED		

Title:	RF Coaxial Connectors Type TNC 50 Ohms Adaptors and Connecting Pieces		
Number:	3402/010	Issue:	3

Other documents affected:

Page:

-

Paragraph:

4.3.3

Original wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm.

Proposed wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm. Test not applicable for connector interface - Female contact.

Justification:

The coupling proof torque is not applicable for female connectors, as explained in 3402, the aim is to check that the coupling mechanism shall not be dislodged.
So, on RF connector, it tests that the assembly between the connector body (*1) and the coupling nut (*2) is conform and that the ring(*2) maintain correctly those two parts.
By design, there is no coupling mechanism on RF female connector so this test is not relevant.

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DCR number 1100	Changes required for: General	Originator: Dumortier
Date: 2024/10/22	Date sent: 2017/07/03	Organisation: Radiall
Status: IMPLEMENTED		

Title:	RF Coaxial Connectors Type SMA 50 Ohms Adaptors and Connecting Pieces		
Number:	3402/003	Issue:	4

Other documents affected:

Page:

3402/002 p.13 , 3402/003 p.15, 3402/022, p.12, 3402/023 p.12

Paragraph:

4.3.3.

Original wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm.

Proposed wording:

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DCR number 1100	Changes required for: General	Originator: Dumortier
Date: 2024/10/22	Date sent: 2017/07/03	Organisation: Radiall
Status: IMPLEMENTED		

Title:	RF coaxial connectors, TNC, very high power, 50 ohms (female interface) based on Type TNC-VHP		
Number:	3402/027	Issue:	2

Other documents affected:

Page:

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Paragraph:

4.3.3

Original wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm.

Proposed wording:

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The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm. Test not applicable for connector interface - Female contact.

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So, on RF connector, it tests that the assembly between the connector body (*1) and the coupling nut (*2) is conform and that the ring(*2) maintain correctly those two parts.
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DCR number 1100	Changes required for: General	Originator: Dumortier
Date: 2024/10/22	Date sent: 2017/07/03	Organisation: Radiall
Status: IMPLEMENTED		

Title:	RF Coaxial Connectors Type TNC 50 Ohms (Female Contact)		
Number:	3402/009	Issue:	3

Other documents affected:

Page:

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Paragraph:

4.3.3

Original wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm.

Proposed wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm. Test not applicable for connector interface - Female contact.

Justification:

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So, on RF connector, it tests that the assembly between the connector body (*1) and the coupling nut (*2) is conform and that the ring(*2) maintain correctly those two parts.
By design, there is no coupling mechanism on RF female connector so this test is not relevant.

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DCR number 1100	Changes required for: General	Originator: Dumortier
Date: 2024/10/22	Date sent: 2017/07/03	Organisation: Radiall
Status: IMPLEMENTED		

Title:	RF Coaxial Connectors Type SMA 50 Ohms (Female Contact)		
Number:	3402/002	Issue:	6

Other documents affected:

3402/003-4, 3402/022-5, 3402/023-6

Page:

3402/002 p.13 , 3402/003 p.15, 3402/022, p.12, 3402/023 p.12

Paragraph:

4.3.3.

Original wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm.

Proposed wording:

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Justification:

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By design, there is no coupling mechanism on RF female connector so this test is not relevant.

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DCR number 1100	Changes required for: General	Originator: Dumortier
Date: 2024/10/22	Date sent: 2017/07/03	Organisation: Radiall
Status: IMPLEMENTED		

Title:	RF Coaxial Connectors, Type SMA 2.9, 50 Ohms (Female Contact)		
Number:	3402/022	Issue:	5

Other documents affected:

Page:

3402/002 p.13 , 3402/003 p.15, 3402/022, p.12, 3402/023 p.12

Paragraph:

4.3.3.

Original wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm.

Proposed wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm. Test not applicable for connector interface - Female contact.

Justification:

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So, on RF connector, it tests that the assembly between the connector body (*1) and the coupling nut (*2) is conform and that the ring(*2) maintain correctly those two parts.
By design, there is no coupling mechanism on RF female connector so this test is not relevant.

DOCUMENT CHANGE REQUEST

DCR number 1100	Changes required for: General	Originator: Dumortier
Date: 2024/10/22	Date sent: 2017/07/03	Organisation: Radiall
Status: IMPLEMENTED		

Title:	RF Coaxial Adaptors and Connecting Pieces, Type SMA 2.9, 50 Ohms		
Number:	3402/023	Issue:	6

Other documents affected:

Page:

3402/002 p.13 , 3402/003 p.15, 3402/022, p.12, 3402/023 p.12

Paragraph:

4.3.3.

Original wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm.

Proposed wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm. Test not applicable for connector interface - Female contact.

Justification:

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So, on RF connector, it tests that the assembly between the connector body (*1) and the coupling nut (*2) is conform and that the ring(*2) maintain correctly those two parts.
By design, there is no coupling mechanism on RF female connector so this test is not relevant.

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DCR number 1100	Changes required for: General	Originator: Dumortier
Date: 2024/10/22	Date sent: 2017/07/03	Organisation: Radiall
Status: IMPLEMENTED		

Title:	RF coaxial connectors, TNC, very high power, 50 ohms, Adaptors based on Type TNC-VHP		
Number:	3402/028	Issue:	1

Other documents affected:

Page:

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Paragraph:

4.3.3

Original wording:

4.3.3 Coupling Proof Torque
The requirements for testing of the coupling proof torque are specified in Section 9 of ESCC Generic Specification No. 3402. The applied torque shall be 110N.cm.

Proposed wording:

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So, on RF connector, it tests that the assembly between the connector body (*1) and the coupling nut (*2) is conform and that the ring(*2) maintain correctly those two parts.
By design, there is no coupling mechanism on RF female connector so this test is not relevant.

Attachments:

2017_radiall_justification_for_dcr_about_3402xxx_female_connector.pdf, null

Modifications:

Replace the original DCR1100 contents by the following as discussed and agreed with the DCR originator: Radiall:

Documents affected: ESCC 3402/002, ESCC 3402/003, ESCC 3402/005, ESCC 3402/006, ESCC 3402/009, ESCC 3402/010, ESCC 3402/022, ESCC 3402/023, ESCC 3402/027, ESCC 3402/028.

Para: 4.2.2 Deviations from Final Production Tests (Chart II)
Add the following new deviation:
(a) Para. 9.4, Coupling Proof Torque: shall not be performed on connectors with a female contact (only during Chart II).

Add the following to the Justification for this DCR:
Performing the Coupling Proof Torque on connectors with female contacts does risk damage occurring due to the severity of the test. Hence, for connectors with female contacts, this test shall only be performed during Qualification Tests - Chart IV & Lot Acceptance Tests - Chart V.

Approval signature:

Date signed:

2024-10-22