

September 12th, 2018

## Notice of Specification Change

Customer: All Anaren PCN # 0000XX  
 Anaren P/N: 70195-G001/DC1722J5015AHF

### Notice of Specification Change(s):

Anaren regrets to inform you that a specification change is required for the DC1722J5015AHF coupler. The table below outlines the current specification and updated specifications on the datasheet.

Insertion loss, return loss, and directivity specifications are affected.

### Specification Comparison:

Frequency (MHz)	Specification Type	Mean Coupling (dB)			Insertion loss (dB)		Return Loss (dB)		Directivity (dB)		Frequency Sensitivity (dB)		Power Handling (watts)
		Min	Typ.	Max	Typ.	Max	Typ.	Min	Typ.	Min	Typ.	Max	
1700 - 2200	Current Datasheet	14.6	15.2	15.9	0.22	0.30	29.2	18.8	22.6	17.0	0.14	0.15	2
	Updated Datasheet	14.6	15.2	15.9	0.29	0.30	17.6	15.0	19.5	15.0	0.14	0.15	2
1805 - 1880	Current Datasheet	14.5	15.1	15.8	0.19	0.27	37.3	20.0	23.9	17.5	0.02	0.02	2
	Updated Datasheet	14.5	15.1	15.8	0.27	0.30	18.3	15.0	20.6	15.0	0.02	0.02	2
1930 - 1990	Current Datasheet	14.5	15.1	15.8	0.20	0.28	35.4	20.0	26.5	18.4	0.01	0.01	2
	Updated Datasheet	14.5	15.1	15.8	0.28	0.40	18.1	15.0	20.3	15.0	0.01	0.01	2
2110 - 2170	Current Datasheet	14.7	15.3	16.0	0.22	0.29	30.3	19.4	33.2	20.0	0.04	0.04	2
	Updated Datasheet	14.7	15.3	16.0	0.28	0.40	17.7	15.0	19.6	15.0	0.04	0.04	2

### Justification:

When Anaren originally established the specifications for this part back in 2011, they were based on the standard de-embed method at that time. During that time, our de-embed process could not account for the impedance of the test board.

Currently we have a new de-embed methodology that more accurately de-embeds the test setup and is more representative of a perfect 50ohm impedance system.

The parts themselves have not changed, however our de-embed method has.

This part has not ran in production since we have implemented the new de-embed method. This is the first time this part number will be tested with the new de-embed method.

The updated datasheet specification changes are a direct result of this new de-embed method.



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**Specification Change Timeline:**

Effective immediately, Anaren will only ship parts under the new specification upon approval of a waiver request due to lack of inventory.

To help determine the impact of this change on our customer's system performance, samples are available of units with performance tested to the updated specifications.

Anaren regrets the required specification change but we feel that it is essential to ensure timely and consistent deliveries.

If you have any questions or need further information, please call me at 1-800-544-2414 or send e-mail to [casey.hennigan@anaren.com](mailto:casey.hennigan@anaren.com).

Sincerely,

Casey Hennigan  
Project Engineer (Wireless Components)  
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