



# Patch Antenna Optimization Service Form

Abrakon offers an Antenna Optimization service for customers wishing to maximize the performance of the antenna in their application. The price includes all associated shipping costs of returning the product to the customer after completion of the optimization service.

The customer is issued with an Authorization Form which outlines what is covered by the service, and confirms our Non-Disclosure policy for client protection.

## Ordering Information

Orderable Part Number: ABAOS-5WK

Lead Time: 5 weeks

Applicable to below part numbers:

APAE1575R1240ABDD1-T	APAE1575R1340ABDD6-T	APAE1575R1540AZDB2F-T
APAE1575R1820ABDC1-T	APAE1575R1840AADB7-T	APAE1575R1840BADB1F-T
APAE1575R2040ABDD2-T	APAE1575R2520ABDD7-T	APAE1575R2540AADBE-T
APAE1575R2540BBDB1-T	APAE1590R1340AKDB2-T	APAE1590R1350AKDB5-T
APAE1590R2540AKDB1-T	APAE1621R2540ABDD1-T	APAE2338L2540DDDB1-T
APAE868R2540JBDB2-T	APAE915R2540ABDB1-T	APAEA1575R0940K14-T
APAES1575R1040J34-T	APAES868R8060C16-T	APAES915R6460C16-T
APAES915R80C16-T	APAES923R3640C16-T	APAES923R4560C16-T
AMCA31-2R450G-S1F-T	AMCA31-2R800G-S1F-T	AMCA52-2R350G-S1F-T
AMCA52-2R510G-S1F-T	AMCA52-2R540G-S1F-T	AMCA52-2R710G-S1F-T
AMCA52-2R780G-S1F-T	AMCA62-2R640G-01F-T	AMCA72-2R470G-S1F-T
AMCA72-2R860G-02F-T	AMCA81-3R010G-S1F-T	AMCA92-2R660G-S1F-T

## Deliverables

1. Test report with center frequency and gain measurements
2. Recommended custom part number for production, if applicable

## End Customer Instructions

1. Please place (2) functioning boards in an ESD bag without the patch antenna soldered on the boards.
2. Please place (2) sets of patch antenna in another ESD bag. The part number should be clearly written on the ESD bag.
3. Place the product enclosure along with the pcb's in the box. The product's case or cover affects tuning and performance of the antenna. Therefore it is essential we include this to determine the impact on tuning.
4. Place (2) sets of patch antenna in another ESD bag. The part number should be clearly written on the ESD bag.
5. Include a printed copy of the schematic.
6. Included a printed and marked copy of the layout for the patch antenna section.
7. Provide clear and detailed power-up instructions. Identify where to connect the power and ground.
8. Include any special cabling, sockets or fixtures needed to properly bias the boards, as applicable.

**Please place all the above contents in a FEDEX/UPS box of appropriate size and ship it to:**

### **RF Optimization Service**

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