



# Antenna System Option Sheet

## How to use this Option Sheet:

1. Please fill-in this Option Sheet carefully. In case you have questions, we advise contacting ISISPACE prior to sending the Option Sheet at: [sales@isispace.nl](mailto:sales@isispace.nl). Note that you are responsible to make sure the inputs you make are correct, since ISISPACE will produce the product accordingly, and shall not be responsible to verify your inputs or liable to provide refunds, make alterations or send a new product in case your input does not reflect your needs correctly.
2. Fill in the form digitally. You will need to have Adobe Acrobat reader installed (free download available at <http://get.adobe.com/reader/>)
3. Press the check button at the end to verify if your Option Sheet is complete.
4. Once you are ready, press the Enable Read Only button to prevent accidental changes, save the changes and send the digitally filled-in Option Sheet by email to your Sales Representative.

## Customer Contact Information

Contact Name:	
Email Address:	
Phone Nr:	
Organization / Company / Institution	
Address:	
Address (Cont'd):	
Country:	

## Additional Information (Optional)

Intended use (EM/FM/QM)	
Mission name	

## For ISISPACE Use – Leave Blank –

Order Confirmation:	
Allocated WO:	
Sales responsible:	
Project/Ref.:	

## RF Configuration

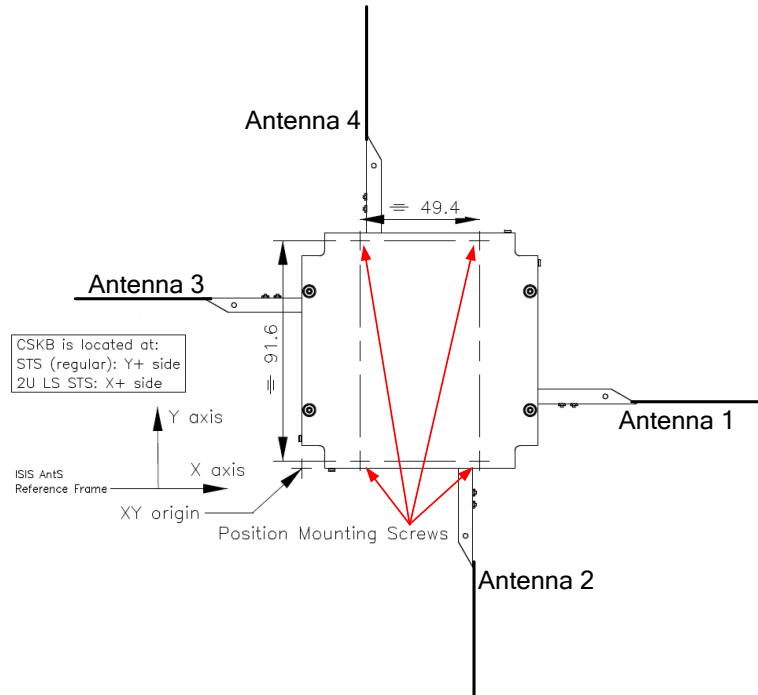
### Antenna System Type

Monopole

Dipole

Turnstile

Other





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## Preliminary RF Tuning (Optional)

### *Preliminary Tuning Structure Size<sup>1</sup>*

1U

2U

3U

6U

Other

#### Alternative Structure size

All custom options shall be approved by ISISPACE prior to order confirmation and may have additional cost and/or lead time.

### *Mounting position*

Top

Bottom

Other

#### Alternative Mounting position

All custom options shall be approved by ISISPACE prior to order confirmation and may have additional cost and/or lead time.

Please provide a short description of the alternative Mounting position in the text field below.

Please provide any additional relevant information regarding the alternative mounting position, such as drawings and CAD models, as a separate attachment (zip file) accompanying this option sheet.

### *Do you have other Deployable systems in your satellite?<sup>2</sup>*

All custom options shall be approved by ISISPACE prior to order confirmation and may have additional cost and/or lead time.

Please provide a short description of the Deployable Systems present in your satellite in the text field below.

Please provide any additional relevant information regarding the Deployable Systems present in your satellite, such as drawings and CAD models, as a separate attachment (zip file) accompanying this option sheet.

**NOTE: Due to RF performance limitations, it is not advised to fit the UHF antenna elements parallel to other deployable systems. Please contact your sales representative for further information.**

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<sup>1</sup> The preliminary tuning is performed in the structure size and location of choice. However, please take into account that this preliminary tuning is performed as a standalone activity in an empty structure.

Please contact your sales representative for further information regarding integrated Antenna tuning possibilities

<sup>2</sup> For example: other deployable antenna systems, booms, sails, external sensors, etc.



## Electrical Configuration

### Supply Voltage

3V3 (default)

5V

### MicroController Interface

#### *I<sup>2</sup>C Control type*

Single Bus (default)

Dual Bus

#### *Primary I<sup>2</sup>C address<sup>3</sup>*

Default (0x31)

Alternative

#### *Redundant I<sup>2</sup>C address<sup>4</sup>*

Default (0x32)

Alternative

### *I<sup>2</sup>C watchdog*

The I<sup>2</sup>C watchdog is implemented for safety reasons. It works in the following manner: if the ANTS does not receive any command from the main OBC for a given duration, the system will reset itself. This safety measure can be disabled by the user if required. This feature cannot be changed without having the system reprogrammed by ISISPACE.

I<sup>2</sup>C watchdog enabled, timeout of 60 seconds (default).

I<sup>2</sup>C watchdog enabled, user defined seconds.

Value must be equal or greater than 35s and smaller than 65535s. Any values outside this range need to be reviewed and agreed upon by ISISPACE.

Timeout (s):

I<sup>2</sup>C watchdog disabled

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<sup>3</sup> 7 bit address

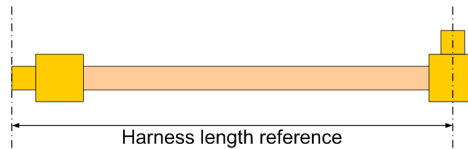
<sup>4</sup> 7 bit address

## Harness (Optional)

Is the Hanes set required?

### Harness Configuration

Harness #	Antenna Side		Radio Side		Length (mm)
	Connector Type	Connector Orientation	Connector Type	Connector Orientation	



### Additional Comments

Please use this section in case you have additional comments or remarks. If any further options have been agreed during the sales process, please add it here. Everything listed here is subject to ISISPACE approval before order confirmation.