

## FRACARRO eMAP3 5G

**Masthead amp with 50dB gain and a 90dB $\mu$ V output level.**



**3-Input (VHF+DAB / UHF) smart self-programmable head-end for external pole-mounting installation, 32 high selectivity filters.**

## Technical Info

- **Self Equaliser**; Scans all input signals and automatically filters, amplifies and equalises all receivable channels.
- **Repeated Mux Conversion**; When channels are mirrored on different inputs, it's possible to either maintain the stronger channel and re-locate weaker channels on the LTE band or to remove the weaker channels altogether.
- This product can filter, convert, amplify and distribute many DVB-T channels (32 filters).
- Perfect equalisation of output signals with (AGC) on every output mux.
- 4G and 5G filtering.
- **50dB gain with a 90dB $\mu$ V output level.**

<b>eMAP3 5G</b>		
Code	223777	
<b>Input</b>		
Inputs	3 x VHF/UHF	
Input no.	3	
Connectors	F female	
Filter	Flexible Matrix 32/1	
DAB, III Frequency	MHz	174 - 240
Frequency	MHz	470-694 (5G >40dB filter)
Dynamic adj	dB	>60 (auto CAG)
VHF input level	dB $\mu$ V	40÷100
Maximum input level UHF	dB $\mu$ V	40÷100
<b>Outputs</b>		
Outputs number	1	
Connectors	F female	
Mixed band	MHz	174 - 240 / 470 - 862
Max Output level	dB $\mu$ V	90 (for each filter VHF/UHF)
Max Gain	dB	50
Minimum Signal	dB $\mu$ V	40
Cluster selectivity filter	dB	50@1MHz
MER RF	dB	III+DAB / UHF: 35
Return loss	dB	>10
<b>Features</b>		
Power supply	V	12-15 (Included)
Working temperature	°C	-5 to +50
Dimensions	mm	120x105x60
Conformity	EN60065: 2004-06, EN50083-2: 2002-05	

## Package Contents

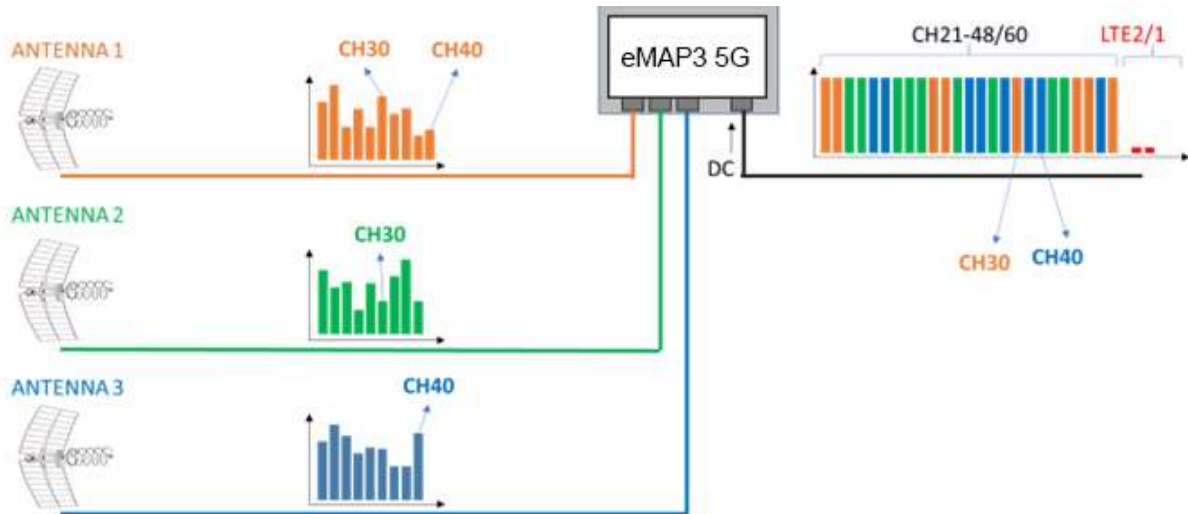
- 1 x eMAP3 5G Smart Amp
- 1 x Power Injector
- 1 x Power Supply 12V

# Repeated Mux Conversion Switch

**OFF: Weakest duplicate channel is filtered.**

Example 1. CH30 > CH30 → CH30 is passed → CH30 is filtered

Example 2. CH40 < CH40 → CH40 is filtered → CH40 is passed



**ON: Weakest duplicate channel is converted to LTE band.**

Example 1. CH30 > CH30 → CH30 is passed → CH30 is converted to LTE band

Example 2. CH40 < CH40 → CH40 is converted to LTE band **AND** → CH40 is passed

