

## **UHF system with Integrated Antenna Power Monitor**

It features:

- Cavity combiner
- Frequency selective power monitor
- RMC incl. single band pre-selector

The system is available as 3 ch's to 12 ch's configurations for single band operation.

The frequency selective antenna power monitor is integrated in the system and is Ethernet / SNMP / SYSLOG enabled providing information such as: forward power, reflected power, antenna VSWR, heat sink temperature.

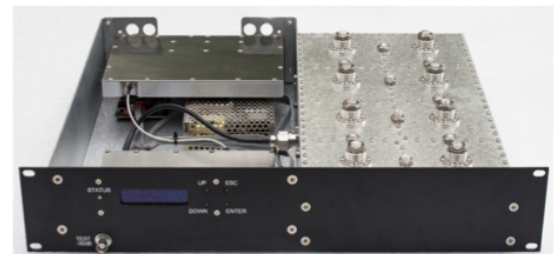
The integrated DPM enables easy factory or field tuning using only the base station radio and a PC.

SNMP alarm and SYSLOG will be generated upon high antenna VSWR and high temperature. All alarms are user configured through Ethernet or SNMP.

The RMC pre-selector is milled for superior rejection close to the passband.



**6 ch. Combiner & Digital Power Monitor**



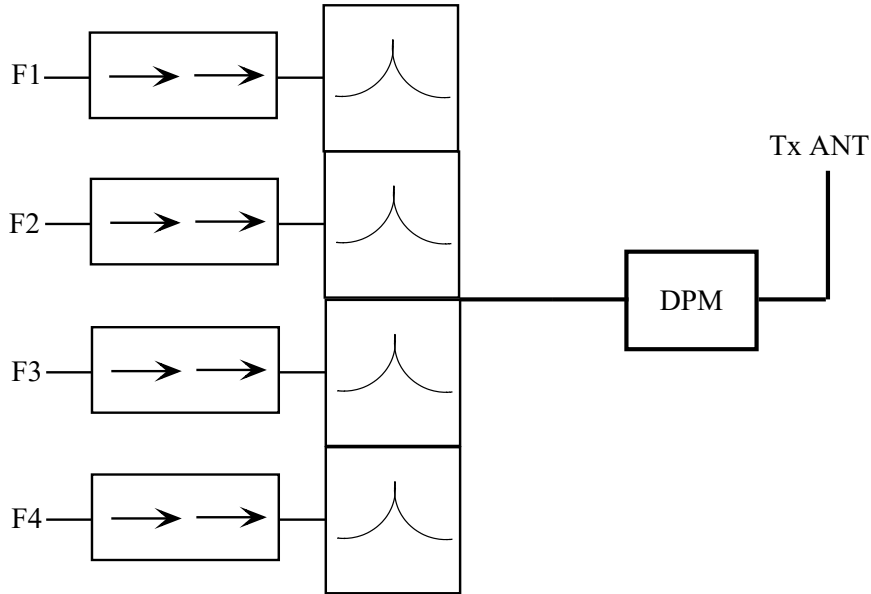
**RMC including pre-selector**

### **Combilent**

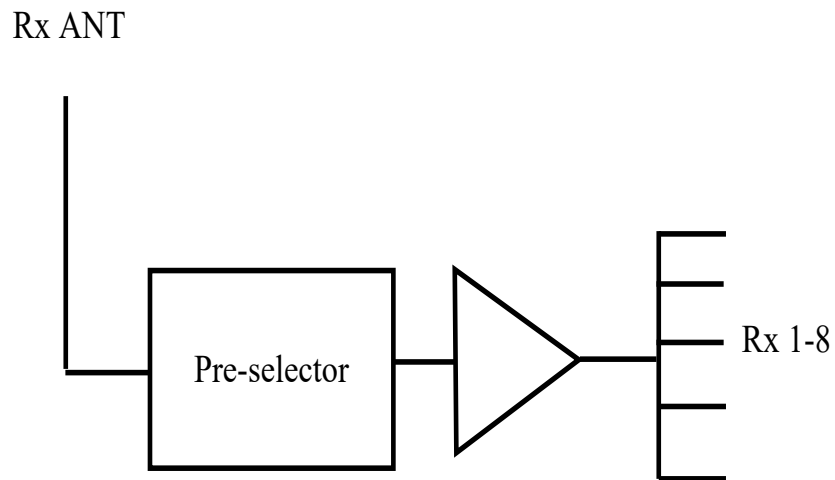
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### **TX RX Systems**

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Tx-path (4 ch's shown)



Rx-path



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**Specification, System**

450-470 MHz  
Other bands on request

**Part Numbers**

CP01065  
CP01066  
CP01067  
CP01068  
CP01069

**Description**

3-4 ch system  
5-6 ch system  
7-8 ch system  
9-10 ch system  
11-12 ch system

**Specification**

Minimum spacing  
Input power  
Insertion loss, 4 ch  
Insertion loss, 6 ch  
Tx filter band width  
Tx to Rx selectivity  
Tx-Tx isolation  
Input return loss  
Output return loss  
Operating temp.  
Connectors, inputs  
Connector, output

**Tx-path**

150 kHz  
100 W / ch  
3.4 dB typ  
3.7 dB typ.  
4 MHz  
35 dB (5 MHz away)  
>60 dB  
>20 dB  
>10 dB  
-30°C to 60°C  
N-female  
7-16 female

**Specification**

Power supply  
Interfaces  
Inputs  
Functions and alarms  
Features  
Alarm output

**Power Monitor (DPM)**

110V/230VAC  
Integrated web-server  
SNMP v2C, SYSLOG  
Temperature sensors  
Cavity tuning  
Forward power (per cavity)  
Reflected power (per cavity)  
Antenna VSWR (per cavity)  
Heat sink temperature  
SNTP, Firmware update  
Factory test data  
Dry contact alarm

**Specification**

Rx filter band width  
Rx to Tx selectivity  
Gain  
Noise figure  
IIP3

**Rx-path**

4 MHz  
65 dB (1 MHz away)  
5 to 15 dB, 1 dB step  
2.7 dB  
12 dBm

**Specification**

Power supply  
Interfaces  
Functions  
Features  
Alarm output

**RMC**

110V/230VAC  
Integ. web-server, display  
SNMP v2C, SYSLOG  
Gain setting  
SNTP, Firmware update  
Factory test data  
Dry contact alarm

**Dimensions**

System 4 ch  
System 6 ch  
System 8 ch  
System 10 ch  
System 12 ch

19", 9U, 14" deep  
19", 12.5U, 14" deep  
19", 16U, 14" deep  
19", 19.5U, 14" deep  
19", 23U, 14" deep

**Weight**

70 lbs  
90 lbs  
120 lbs.  
140 lbs.  
167 lbs.

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