

**BASE STATION ANTENNAS AND RF EQUIPMENT**

## **Datasheet**

**Pass-reject duplexer**

**145-160 MHz**

# **DPRE4-6VL**

**Made in Finland**

IK-Telecom Oy  
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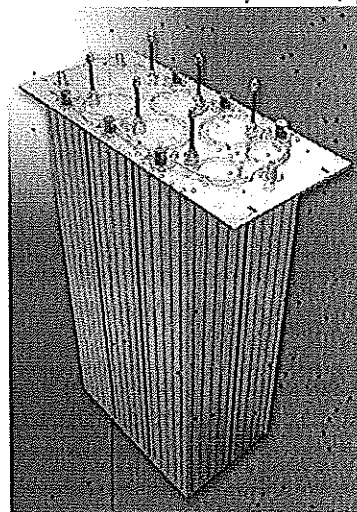


## 1. Completeness of delivery of duplexer

No	Accessories	Quantity
1	Duplexer DPRE4-6VH	1 Piece
2	Datasheet	1 Piece
3	Duplexer response curves	1 Piece
4	Packing	1 Piece

### Electrical specifications

Model	DPRE4-6VL
Operating Frequency band, MHz	145-160
Insertion loss (adjustable) not more, dB	1.5
Frequency separation TX/RX, MHz	0.6
Isolation, not less, dB	95
VSWR, not more than	1.5
Input power, not more, W	300
Impedance, Ohm	50
Temperature range, °C	From -30 to +60
Cavity electrical length	¼



### Mechanical specifications

Model	DPRE4-6VL
Weight, kg	22
Application	Indoor
Connector	N-female
Mount to 19-inch rack	present
Dimensions, cm	70 x 48 x 22

Pass-Reject Duplexer DPRE4-6VL., serial number 830613  
also it is recognized serviceable.

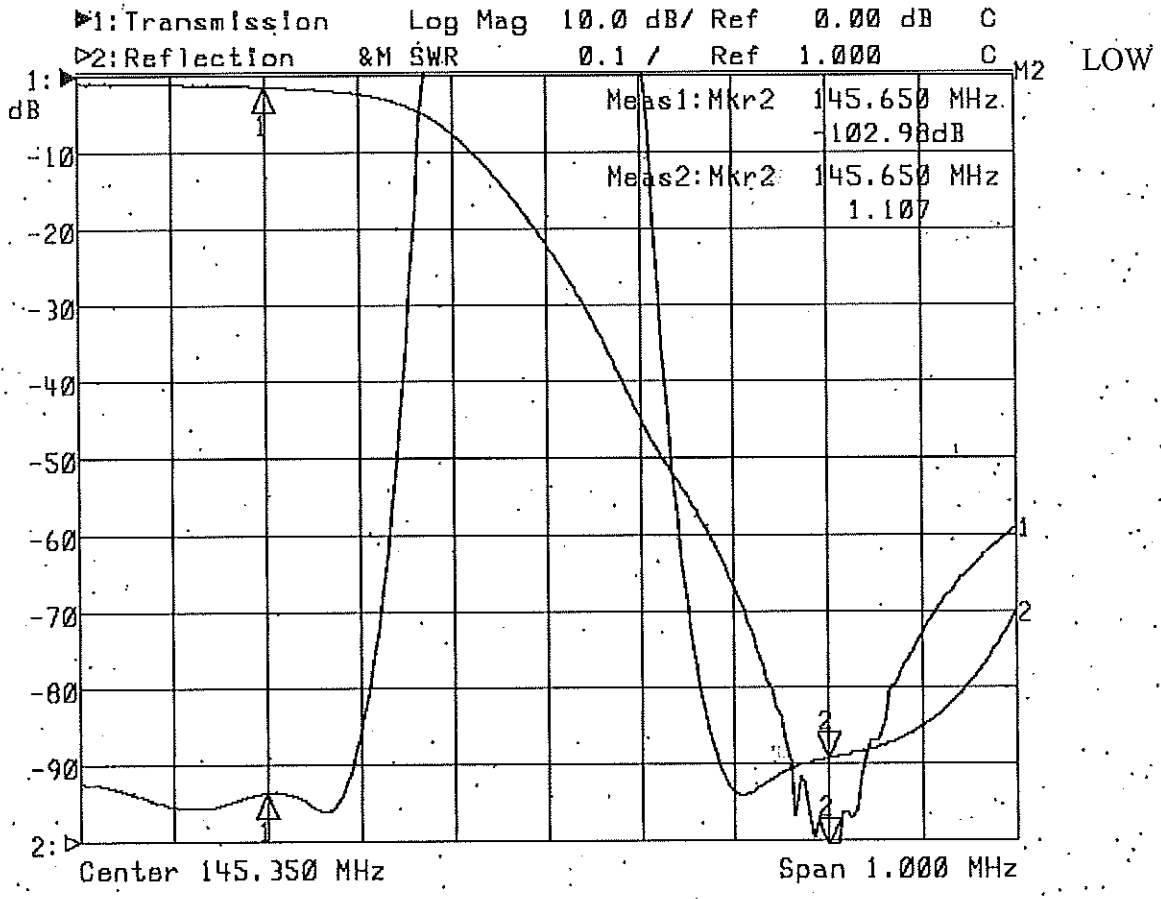
Date of issue 25.6.2013

## 2. Test data summary. Duplexer DPRE4-6VH ser.num. \_\_\_\_\_

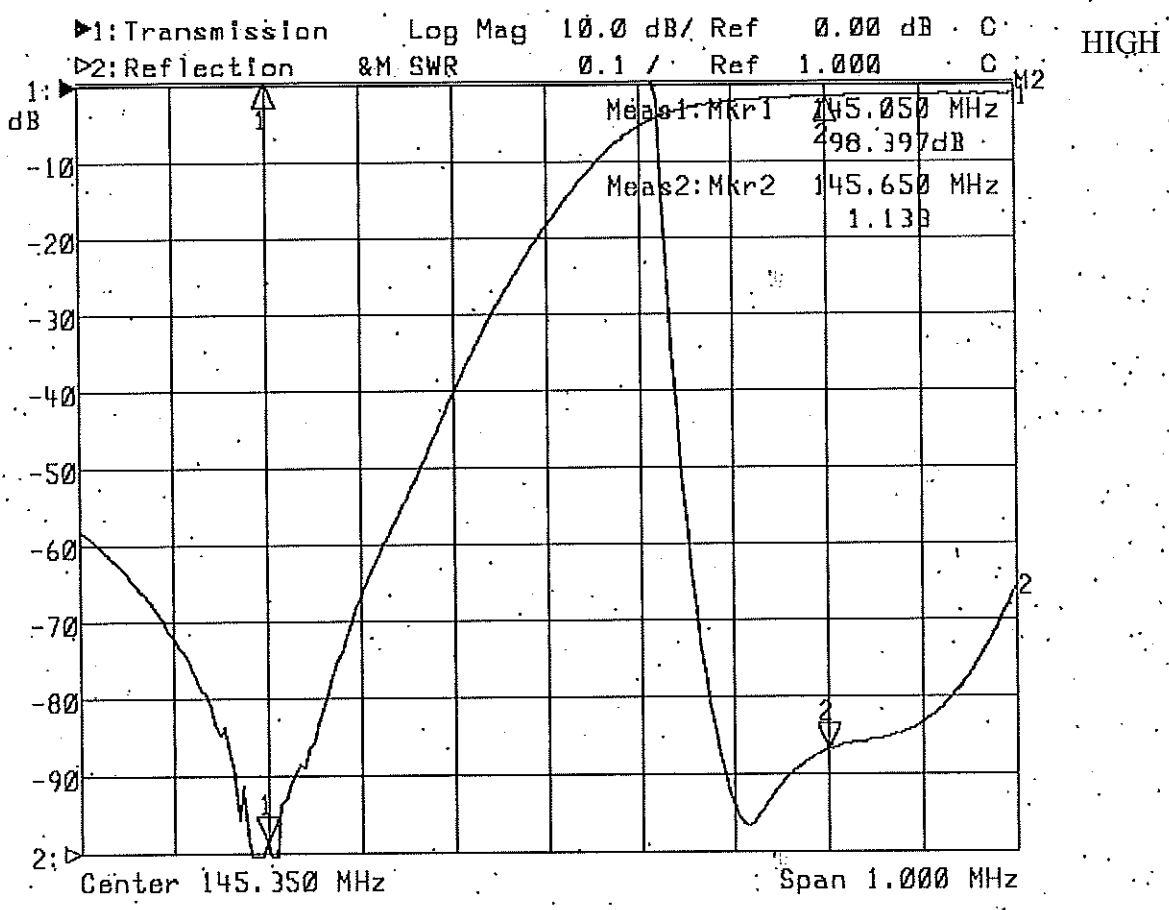
LOW frequency, MHz	145,050
HIGH frequency, MHz	145,650
LOW Insertion loss, dB	-1,483
HIGH Insertion loss, dB	-1,458
Isolation, dB	-98
LOW VSWR	1,063
HIGH VSWR	1,133

Signature of engineer V. Oksanen





1: Mkr (MHz)	dB	2: Mkr (MHz)	
1: 145.0500	-1.483	1: 145.0500	1.063
2: 145.6500	-102.98	2: 145.6500	1.107



1: Mkr (MHz)	dB	2: Mkr (MHz)	
1: 145.0500	-98.397	1: 145.0500	51.977
2: 145.6500	-1.458	2: 145.6500	1.133