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144 MHz Bandpass filter test sheet

Date of test: 30 September 2009

Serial number: 144/BPF/005020

Frequency (MHz)	Band	Specification - insertion loss (dB)	Test result – insertion loss (dB)	Pass / fail
28	10m amateur	>50	52	PASS
50	6m amateur	>50	70	PASS
70	4m amateur	>40	50	PASS
88	FM broadcast	>40	44	PASS
100	FM broadcast	>30	44	PASS
108	FM broadcast	>25	44	PASS
144	2m amateur	<1	0.3	PASS
146	2m amateur	<1	0.3	PASS
148	2m amateur	<1	0.3	PASS
220	DAB	>25	44	PASS
390	Police Tetra	>40	54	PASS
432	70cm amateur	>40	72	PASS
900	GSM	>40	43	PASS
1296	23cm amateur	>40	42	PASS

Frequency (MHz)	Measured return loss (VSWR)	Pass / fail
144	20 dB (1.22 : 1)	PASS
146	40 dB (1.02 : 1)	PASS
148	21 dB (1.19 : 1)	PASS

Test equipment used:

HP8754A 4-1300 MHz network analyser with HP8502A transmission / reflection test set with HP8750A storage normalizer.

I confirm that the product tested meets the published specification.

C.J Moulding, Cross Country Wireless (2009) Ltd

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 Company registered in England no: 6780346**