

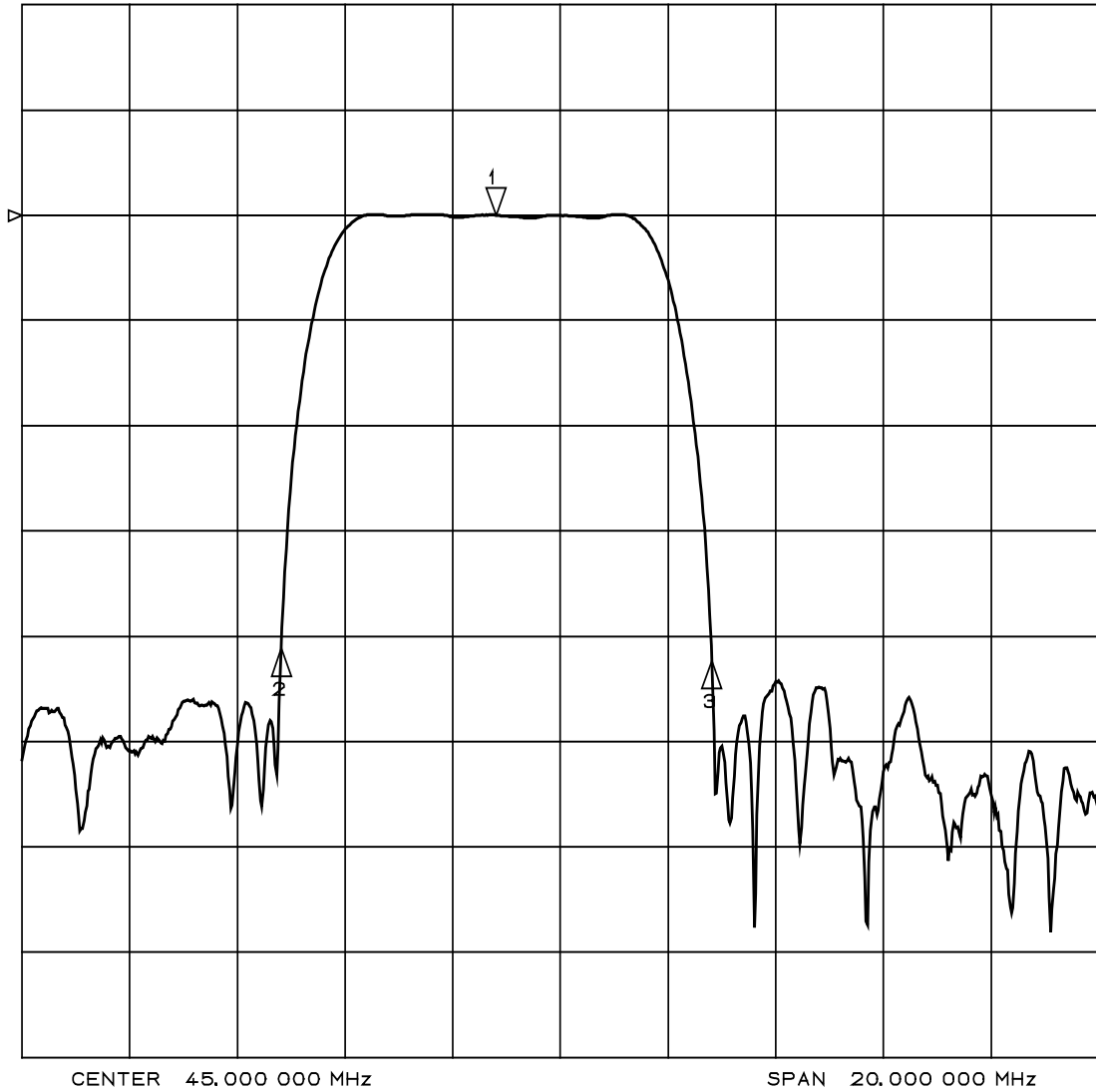
Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	America		
Picture Carrier Frequency	43.75 MHz	DATE	Mar. 29 2005
FMD Part Number	FAR-F4SE-43M750-H0AB	Version	2.0 Preliminary

Table 1 Proposal Specification (Ta=25°C(45°C))

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	43.81 (43.75) MHz	12.9	14.4	15.9	dB	
Pass bandwidth	3dB	–	6.0	–	MHz	
	30dB	–	7.7	–	MHz	
Relative level	35.06 ~ 39.61 MHz (35.00 ~ 39.55 MHz)	–	–44	–39	dB	
	39.81 (39.75) MHz	–	–45	–	dB	
	40.31 (40.25) MHz	–	–12	–7	dB	
	40.81 (40.75) MHz	–3.9	–2.9	–1.9	dB	
	41.28 (41.22) MHz	–1.2	–0.2	0.8	dB	
	43.81 (43.75) MHz	–	0	–	dB	Reference
	46.34 (46.28) MHz	–1.1	–0.1	0.9	dB	
	46.81 (46.75) MHz	–4.3	–3.3	–2.3	dB	
	47.31 (47.25) MHz	–	–13	–8	dB	
	47.81 (47.75) MHz	–	–42	–	dB	
	48.01 ~ 52.06 MHz (47.95 ~ 52.00 MHz)	–	–42	–37	dB	
52.06 ~ 55.06 MHz (52.00 ~ 55.00 MHz)	–	–50	–42	dB		
Amplitude ripple (p-p)	41.28 ~ 46.34 MHz (41.22 ~ 46.28 MHz)	–	0.4	–	dB	
Group delay ripple (p-p)	40.81 ~ 46.81 MHz (40.75 ~ 46.75 MHz)	–	32	–	ns	
Input Impedance	43.81 MHz	–	1.8//11.5	–	kΩ//pF	
Output Impedance	43.81 MHz	–	1.6//4.4	–	kΩ//pF	
Temperature coefficient		–	–72	–	ppm/°C	

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Amplitude Response (10dB/div)



Marker 1 = 43.81 MHz

Marker 2 = 39.81 MHz

Marker 3 = 47.81 MHz

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Amplitude Response (1dB/div)

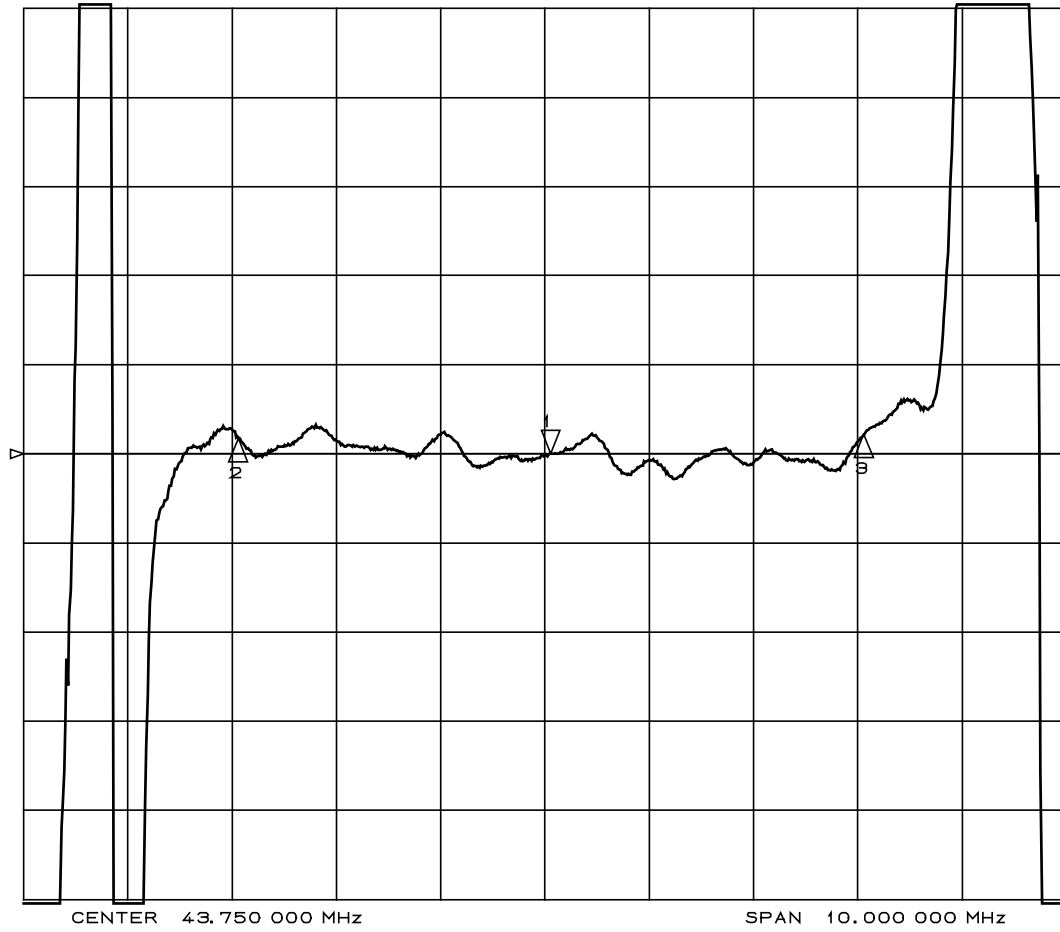


- Marker 1 = 43.81 MHz
- Marker 2 = 40.81 MHz
- Marker 3 = 41.28 MHz
- Marker 4 = 46.34 MHz
- Marker 5 = 46.81 MHz

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Group Delay (50ns/div)

Delay Aper.=200kHz



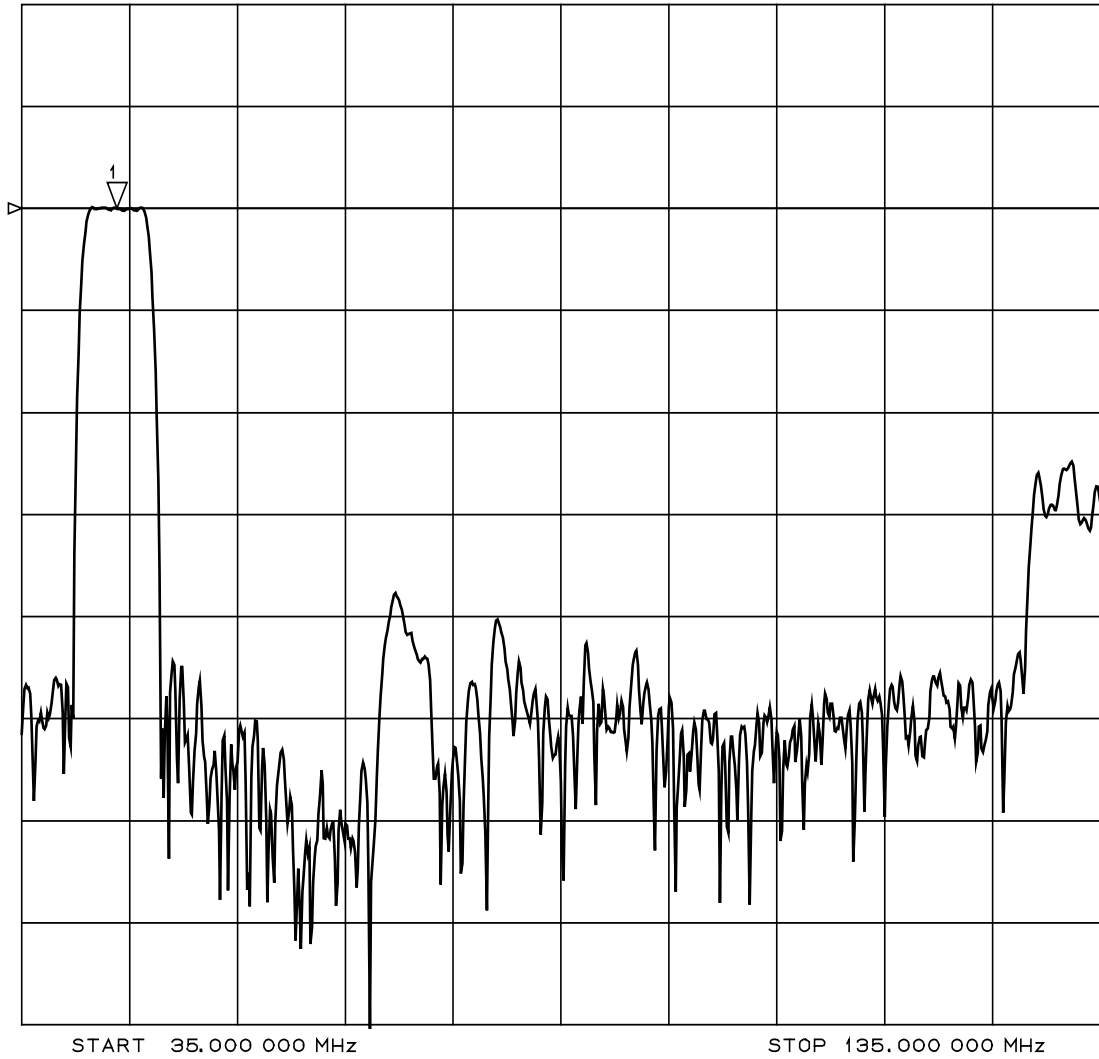
Marker 1 = 43.81 MHz

Marker 2 = 40.81 MHz

Marker 3 = 46.81 MHz

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Amplitude Response (10dB/div)
(35.0MHz ----- 135.0MHz)



Marker 1 = 43.81 MHz

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Time domain Response (10dB/div)

