

Customer Name	<b>Standard specification</b>	FUJITSU MEDIA DEVICES LIMITED	
Application	IF Filter for Terrestrial-TV/STB		
System	America		
Picture Carrier Frequency	44.00 MHz	DATE	Mar. 07 2005
FMD Part Number	FAR-F4SE-44M000-H0A9	Version	2.0

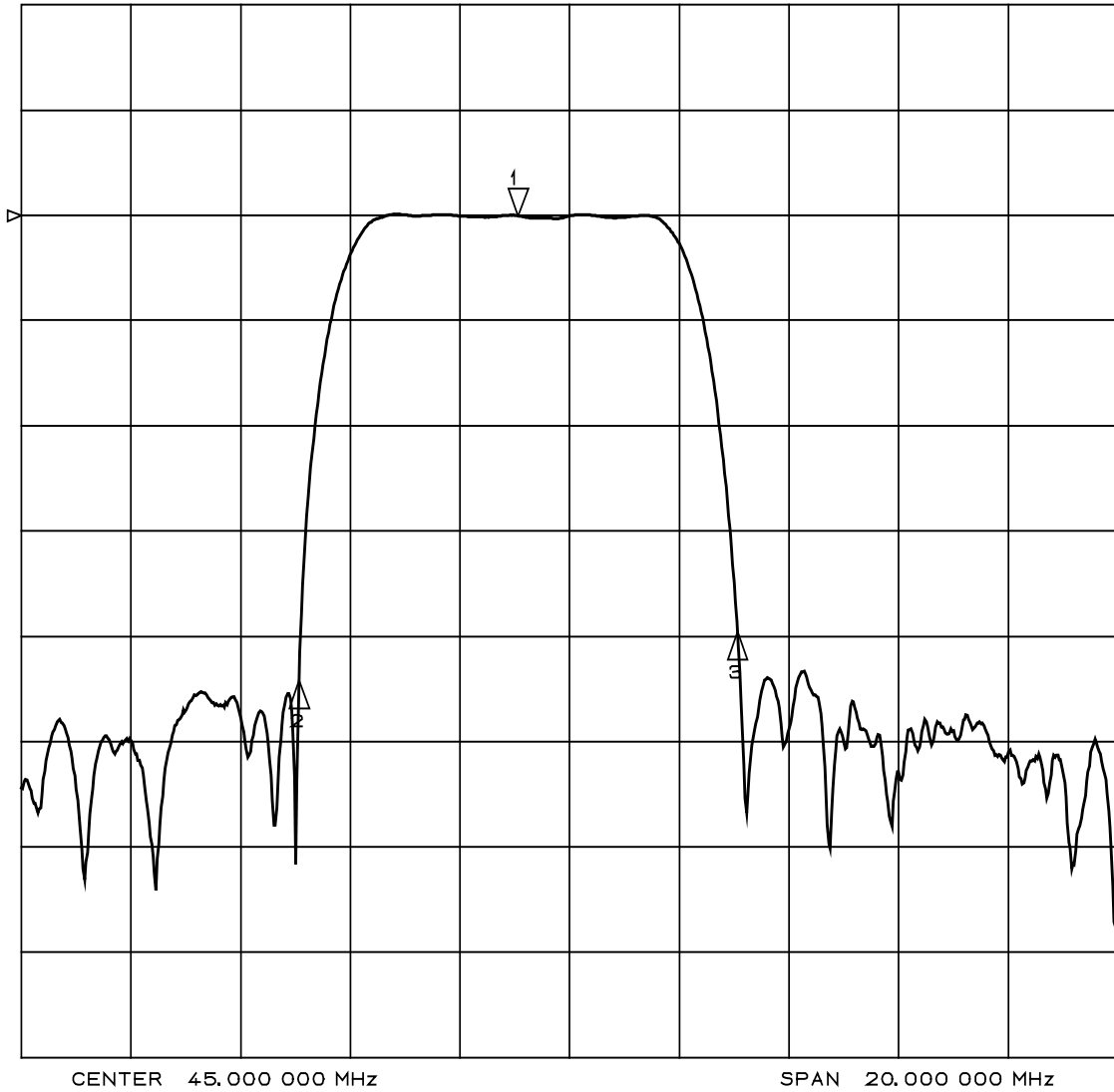
**Table 1 Proposal Specification (Ta=25°C(45°C))**

Items	Conditions	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	44.06 (44.00) MHz	12.9	14.4	15.9	dB	
Pass bandwidth	3dB	-	6.0	-	MHz	
	30dB	-	7.8	-	MHz	
Relative level	35.06 ~ 39.81 MHz (35.00 ~ 39.75 MHz)	-	-45	-39	dB	
	39.81 (39.75) MHz	-	-47	-40	dB	
	40.06 (40.00) MHz	-	-44	-	dB	
	41.06 (41.00) MHz	-4.0	-3.0	-2.0	dB	
	41.53 (41.47) MHz	-	-0.2	-	dB	
	44.06 (44.00) MHz	-	0	-	dB	Reference
	46.59 (46.53) MHz	-	-0.2	-	dB	
	47.06 (47.00) MHz	-4.2	-3.2	-2.2	dB	
	47.31 (47.25) MHz	-	-7.0	-	dB	
	48.06 (48.00) MHz	-	-38	-	dB	
	48.23 (48.17) MHz	-	-51	-40	dB	
	48.23 ~ 51.06 MHz (48.17 ~ 51.00 MHz)	-	-42	-36	dB	
51.06 ~ 55.06 MHz (51.00 ~ 55.00 MHz)	-	-46	-40	dB		
Amplitude ripple (p-p)	41.53 ~ 46.59 MHz (41.47 ~ 46.53 MHz)	-	0.4	-	dB	
Group delay ripple (p-p)	41.06 ~ 47.06 MHz (41.00 ~ 47.00 MHz)	-	31	-	ns	
Input Impedance	44.06 MHz	-	1.5//11.6	-	kΩ//pF	
Output Impedance	44.06 MHz	-	1.6//4.4	-	kΩ//pF	
Temperature coefficient		-	-72	-	ppm/°C	



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Amplitude Response (10dB/div)



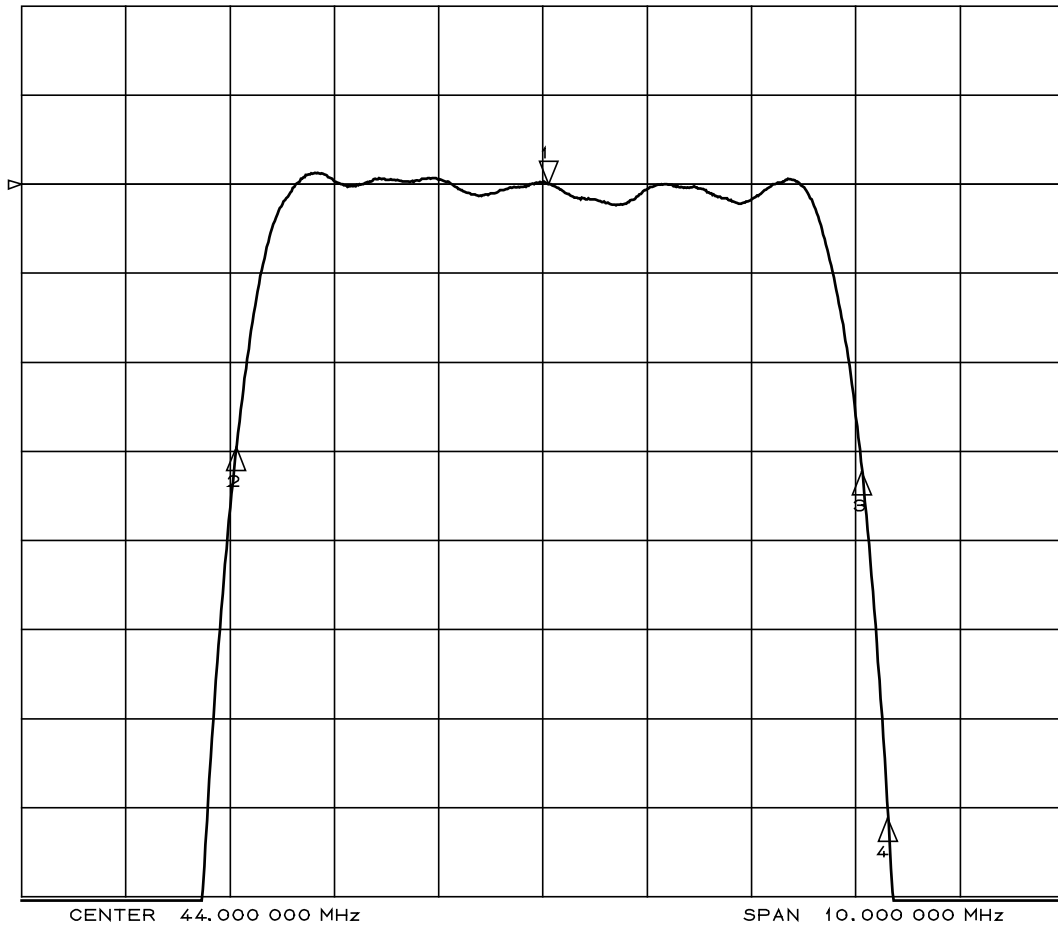
Marker 1 = 44.06 MHz

Marker 2 = 40.06 MHz

Marker 3 = 48.06 MHz

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Amplitude Response (1dB/div)

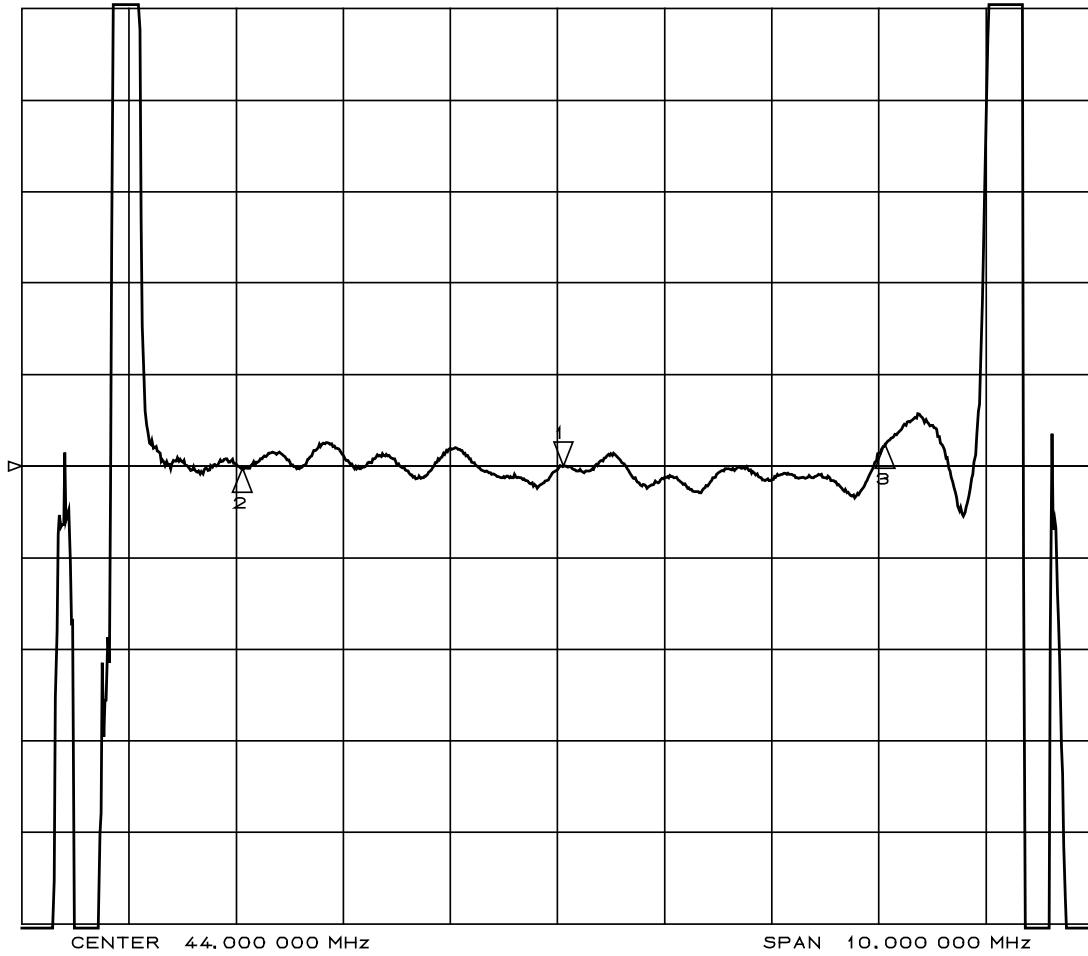


- Marker 1 = 44.06 MHz
- Marker 2 = 41.53 MHz
- Marker 3 = 46.59 MHz
- Marker 4 = 47.31 MHz

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Group Delay (50ns/div)

Delay Aper.=200kHz



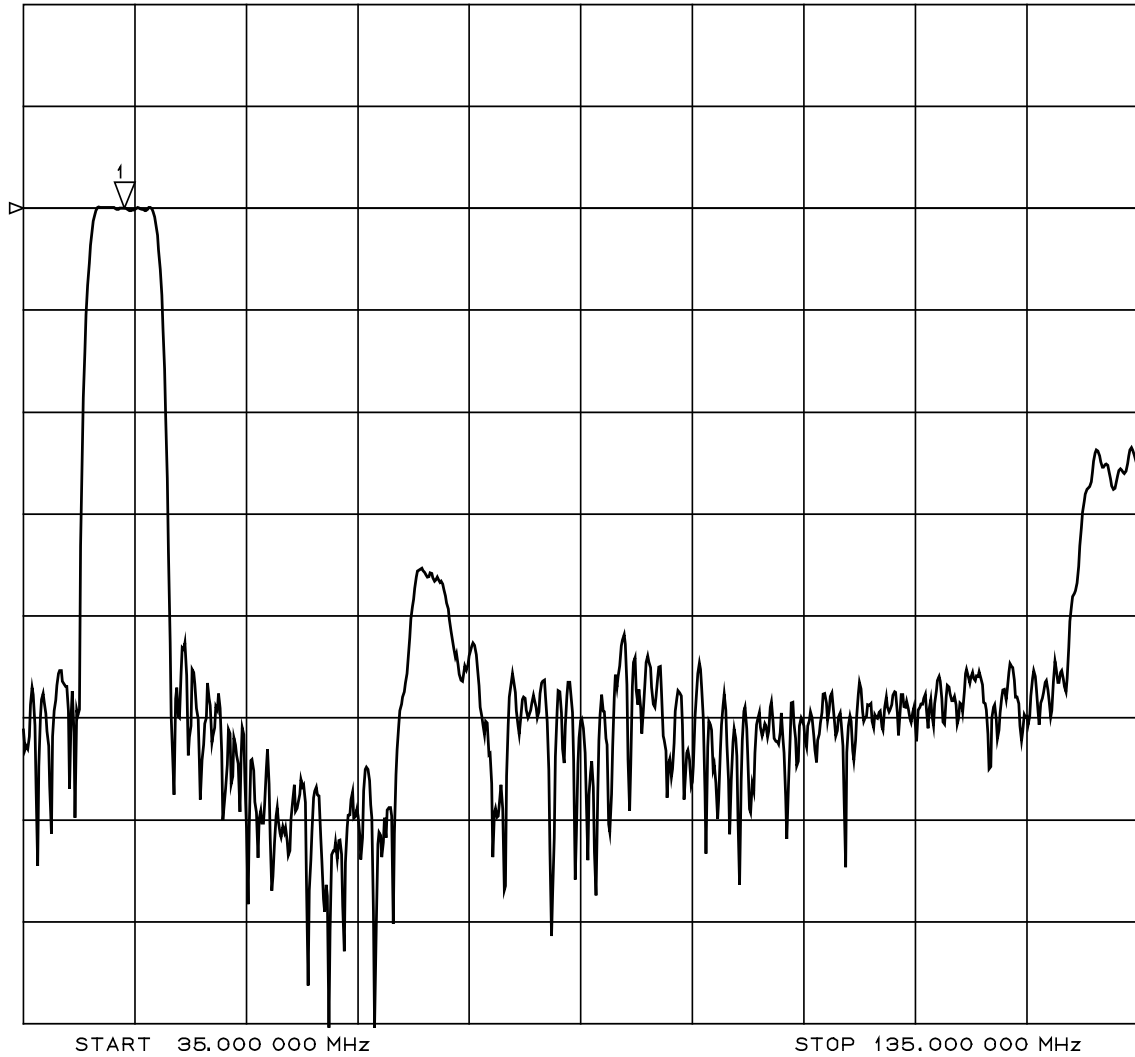
Marker 1 = 44.06 MHz

Marker 2 = 41.06 MHz

Marker 3 = 47.06 MHz

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



Marker 1 = 44.06 MHz

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Time domain Response (10dB/div)

