



**SUMMARY TEST DATA
ON
6SFB-100M18G-1MP-MAH**

Customer: _____ Tested By: RCombs
 SO No: _____ Temperature: +25°C
 Model No: 6SFB-100M18G-1MP-MAH Date: 10/21/14
 Serial No: PL16006/1441 Drawing No: 27619661 Rev: B1

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Frequency	100 MHz–18.0 GHz	100 MHz-18.0 GHz	
2	Gain	(J1-J3) 18 dB Typ. (J6-J3) -10dB Typ.	(J1-J3) 28.8 to 21.3dB (J6-J3) -3.5 to -9.6dB	
3	Isolation J1, J6	100 dB Typ.	100 dB Typ.	
4	Switching Speed	100 ns Typ.	100 ns Typ.	
5	J1 Input Frequency (Input from Backplane)	100 MHz-18.0 GHz	100 MHz-18.0 GHz	
6	J1 Input Power Level	-80dBm to -10dBm	-80dBm to -10dBm	
7	J6 Input Frequency (Input from Transceiver)	100 MHz-18.0 GHz	100 MHz-18.0 GHz	
8	J6 Input Power Level	-52 dBm to -22dBm	-52dBm to -22dBm	
9	J3 Output Frequency (LO2 from Backplane)	100 MHz-18.0 GHz	100 MHz-18.0GHz	
10	J3 Output Power Level	-62 dBm to +8 dBm Typ.	-62dBm to +8dBm Typ.	
11	Thru Channel Passband Frequency	100 MHz-18 GHz	100 MHz –18 GHz	
12	Channel 1 Center Frequency	3400 MHz	3400MHz	
13	Channel 1 (3 dB Bandwidth)	2000 MHz	2000 MHz Min.	
14	Channel 1 Rejection	-40 dBc TYP, -30 dBc MIN 100 MHz-2 GHz, 4.8 GHz–18 GHz	-38.9 dBc	
15	Channel 2 Center Frequency	5400 MHz	5400MHz	



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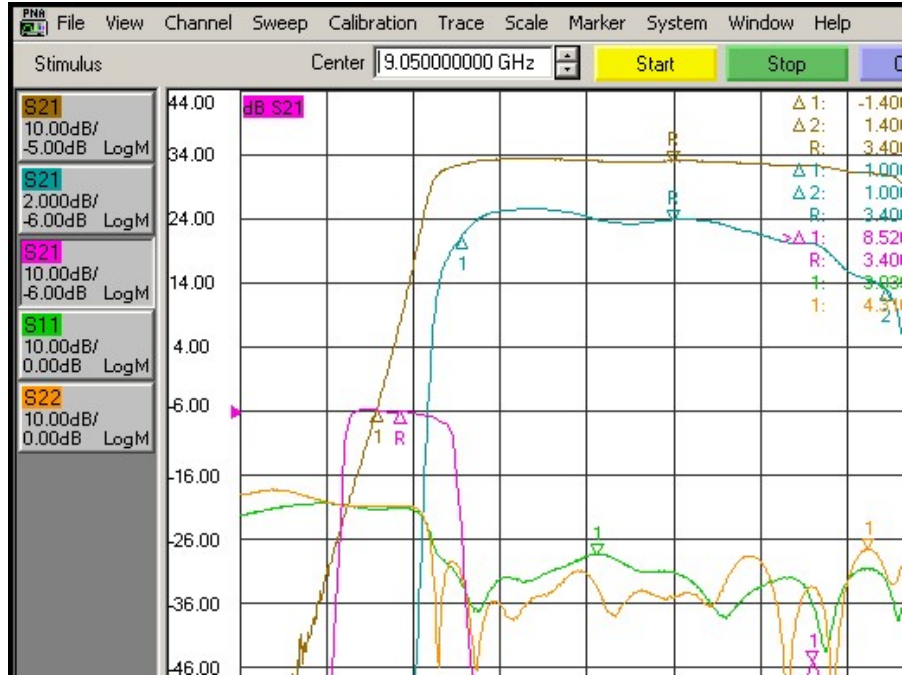
TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
16	Channel 2 (3 dB Bandwidth)	2000 MHz	2000 MHz Min.	
17	Channel 2 Rejection	-40 dBc TYP, -30 dBc MIN 100 MHz-4 GHz, 6.8 GHz-18 GHz	-34.6dBc	
18	Channel 3 Center Frequency	7400 MHz	7400 MHz	
19	Channel 3 dB Bandwidth	2000 MHz	2000 MHz Min.	
20	Channel 3 Rejection	-40 dBc TYP, -30 dBc MIN 100 MHz-6 GHz, 8.8 GHz-18 GHz	-68dBc	
21	Channel 4 Center Frequency	9400 MHz	9400 MHz	
22	Channel 4 (3 dB Bandwidth)	2000 MHz	2000 MHz Min.	
23	Channel 4 Rejection	-40 dBc TYP, -30 dBc MIN 100 MHz-8 GHz, 10.8 GHz-18 GHz	-54.6dBc	
24	Channel 5 Center Frequency	11400 MHz	11400 MHz	
25	Channel 5 (3 dB Bandwidth)	2000 MHz	2000 MHz Min.	
26	Channel 5 Rejection	-40 dBc TYP, -30 dBc MIN 100 MHz-10 GHz, 12.8 GHz-18 GHz	-40.4dBc	
27	Control Logic	3.3 V TTL	3.3V TTL	
28	Power Supply	+12 V -12 V +5 V	260mA@ +12V 100mA@ -12V 306mA@ +5V	

QA/QC Approval: _____ Date: _____



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CHANNEL 1 LOW GAIN PATH (J6 TO J3)



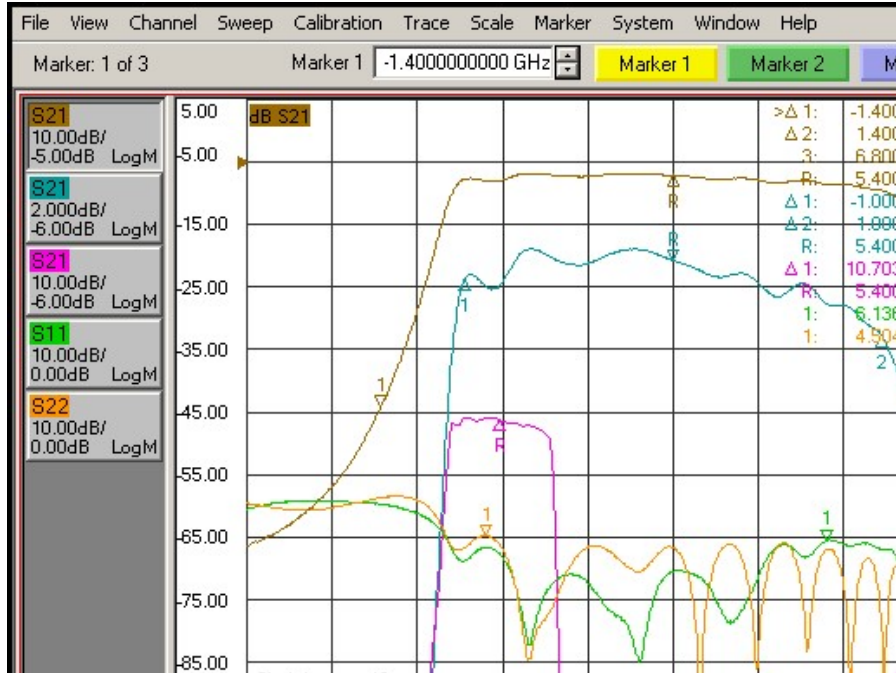
CHANNEL 1 HIGH GAIN PATH (J1 TO J3)



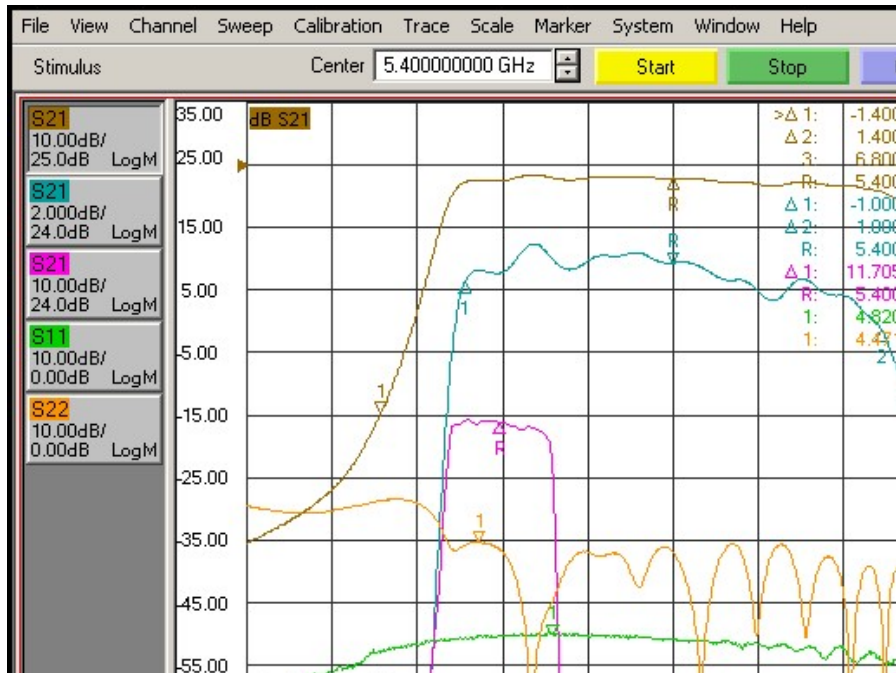


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CHANNEL 2 LOW GAIN PATH (J6 TO J3)



CHANNEL 2 HIGH GAIN PATH (J1 TO J3)



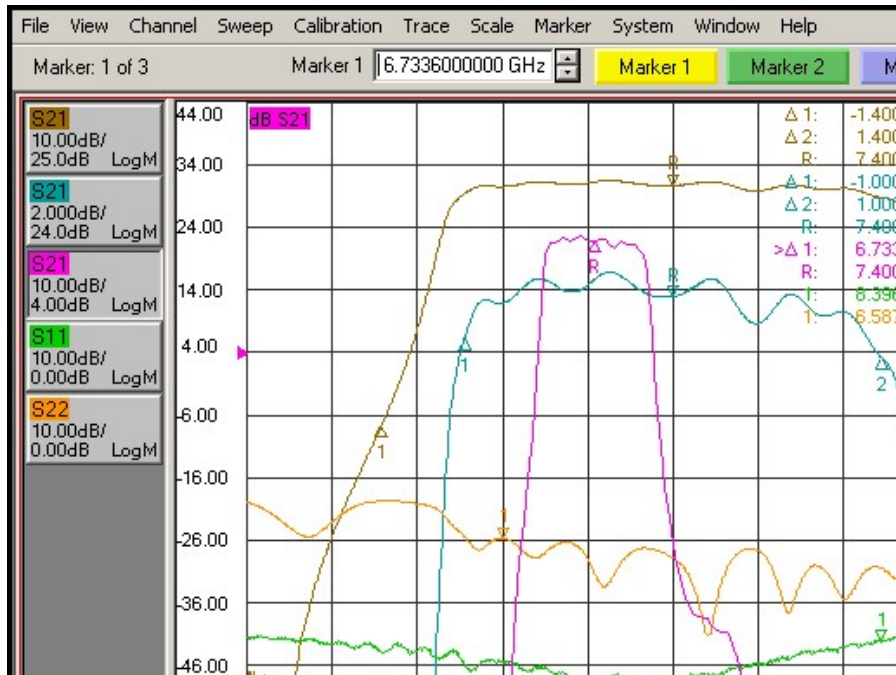


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CHANNEL 3 LOW GAIN PATH (J6 TO J3)



CHANNEL 3 HIGH GAIN PATH (J1 TO J3)



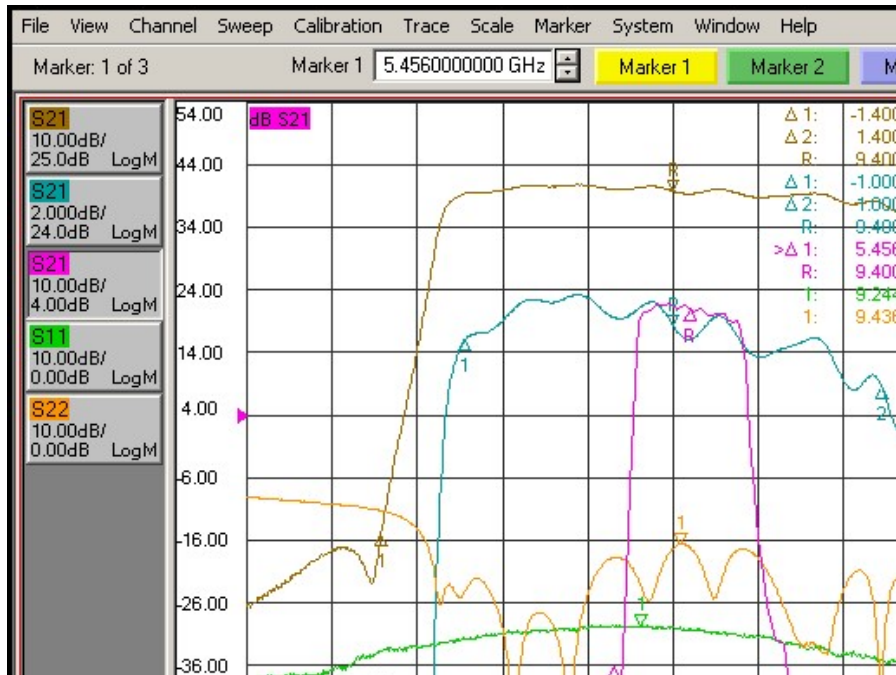


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CHANNEL 4 LOW GAIN PATH (J6 TO J3)



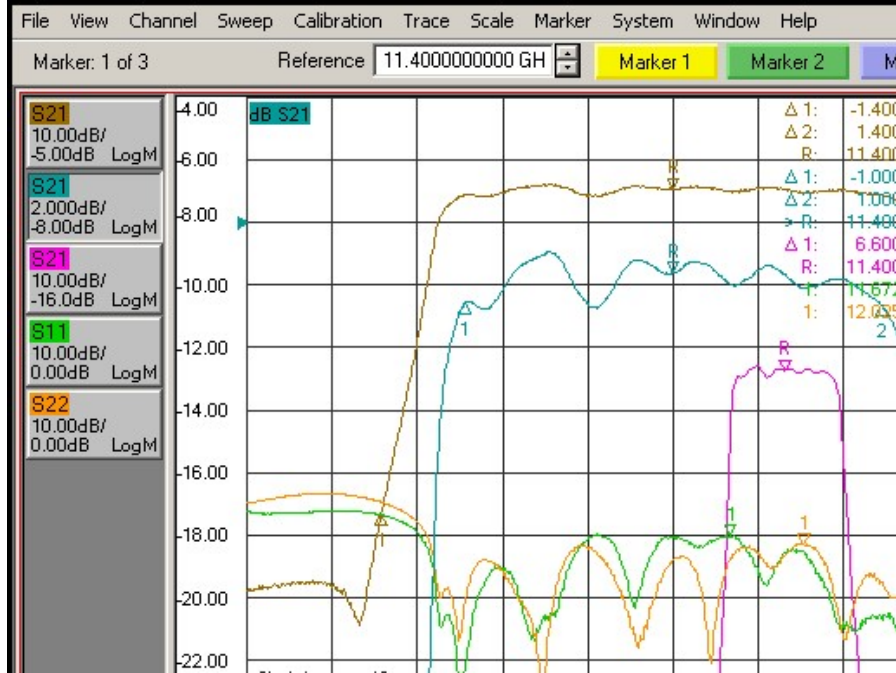
CHANNEL 4 HIGH GAIN PATH (J1 TO J3)



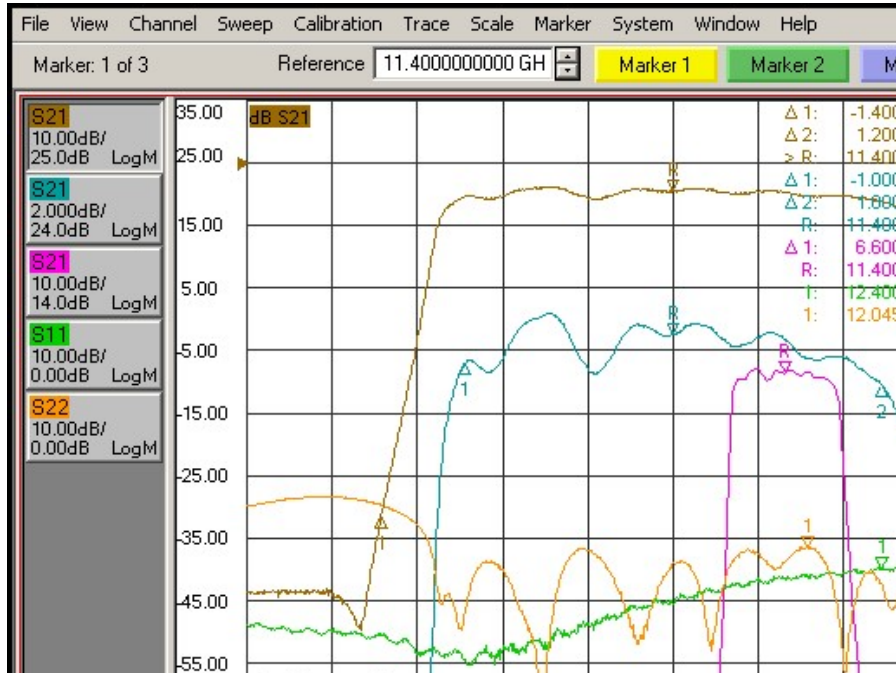


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CHANNEL 5 LOW GAIN PATH (J6 TO J3)



CHANNEL 5 HIGH GAIN PATH (J1 TO J3)





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THRU CHANNEL LOW GAIN PATH (J6 TO J3)



THRU CHANNEL HIGH GAIN PATH (J1 TO J3)

