

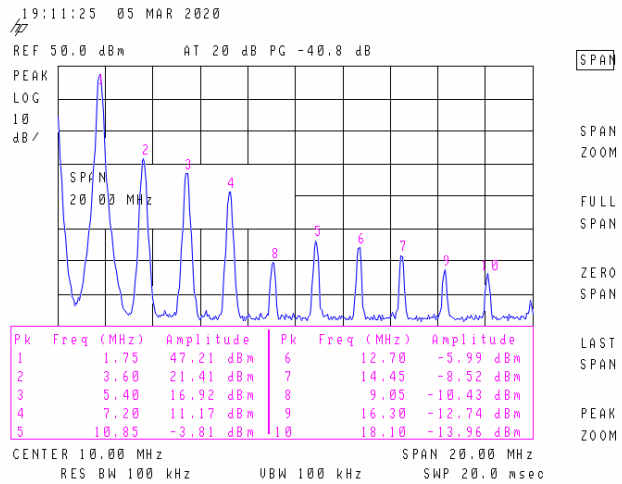
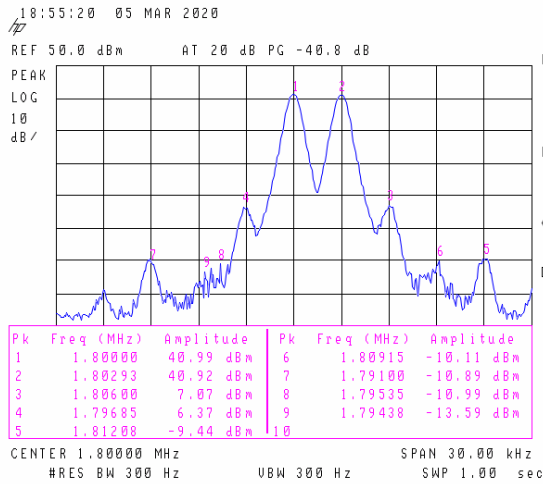
# Power amplifier module measurements (prototype) 05.03.2020 SP9BSL.

MRF186 24V.

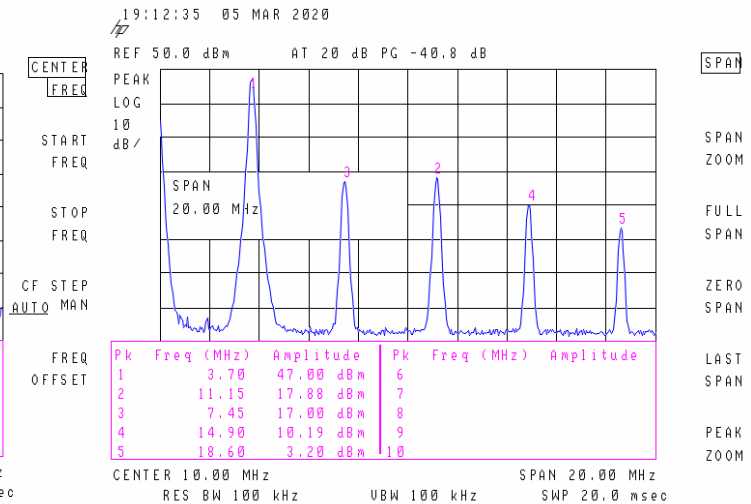
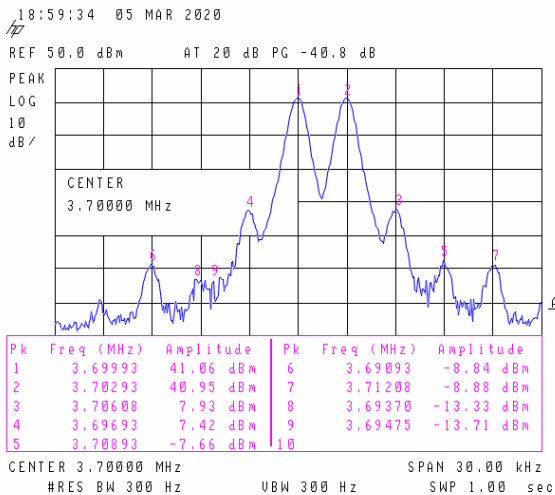
setup#5

current measurement for CW 50W (50MHz @40W), IMD @PEP50W

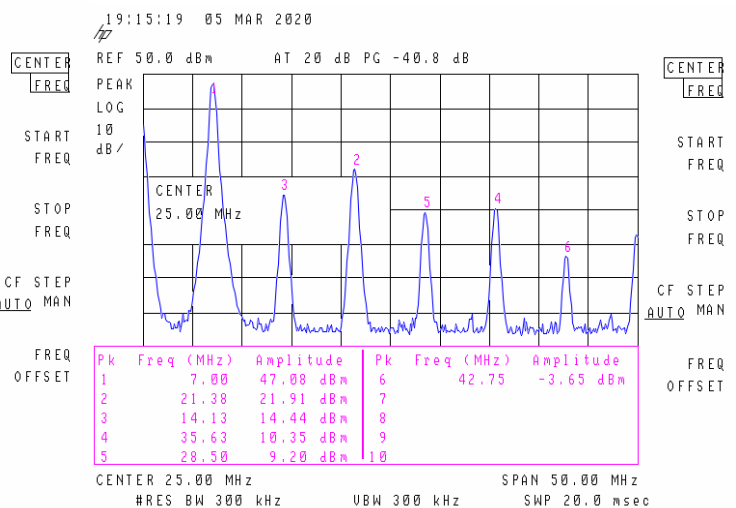
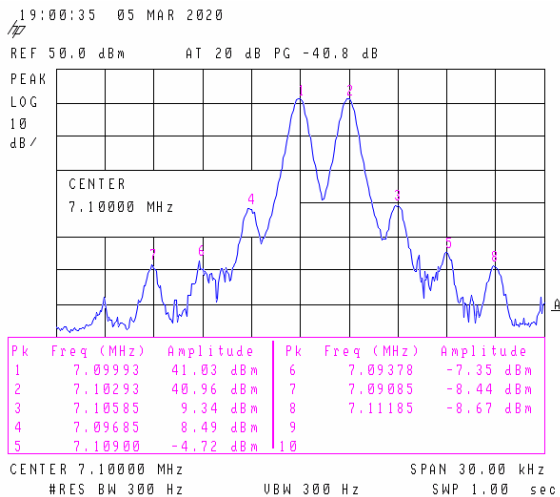
## 1.8MHz (24V 3.58A + 8.5V 0.32A)



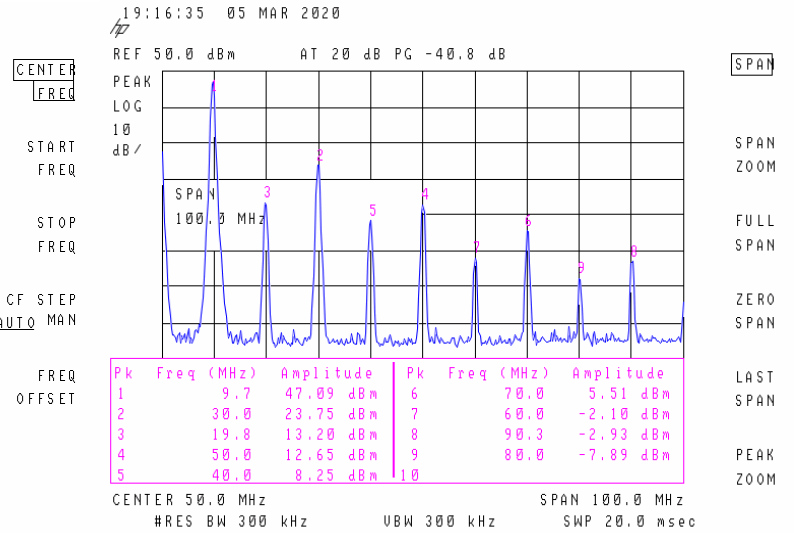
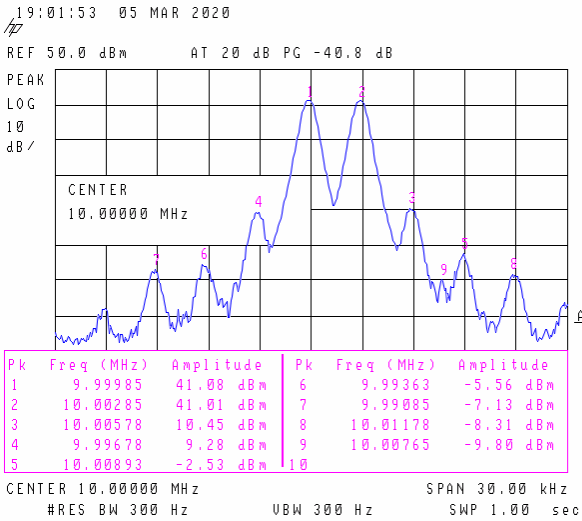
## 3.7MHz (24V 3.65A + 8.5V 0.32A)



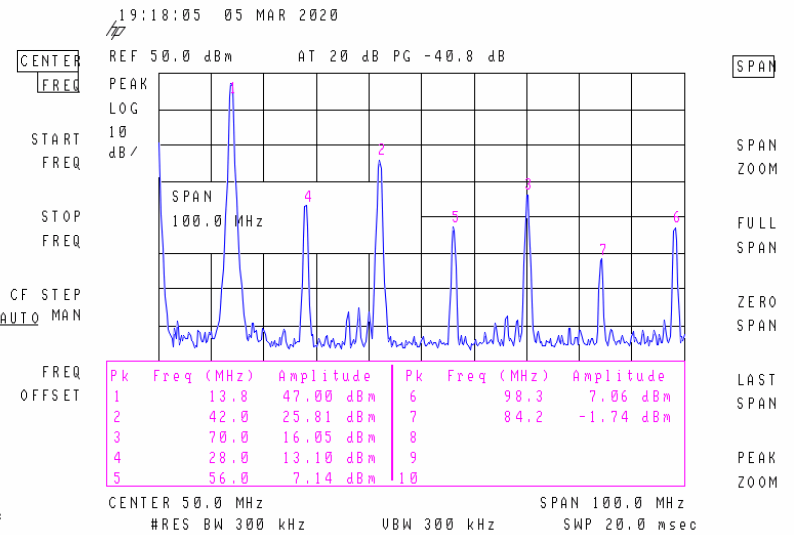
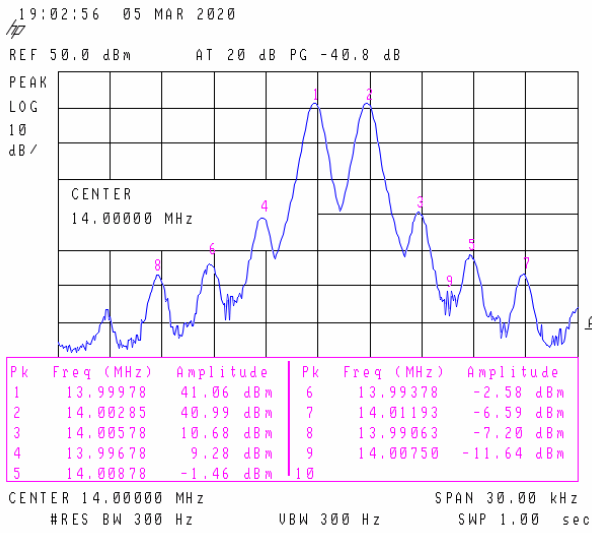
## 7.1MHz (24V 3.58A + 8.5V 0.32A)



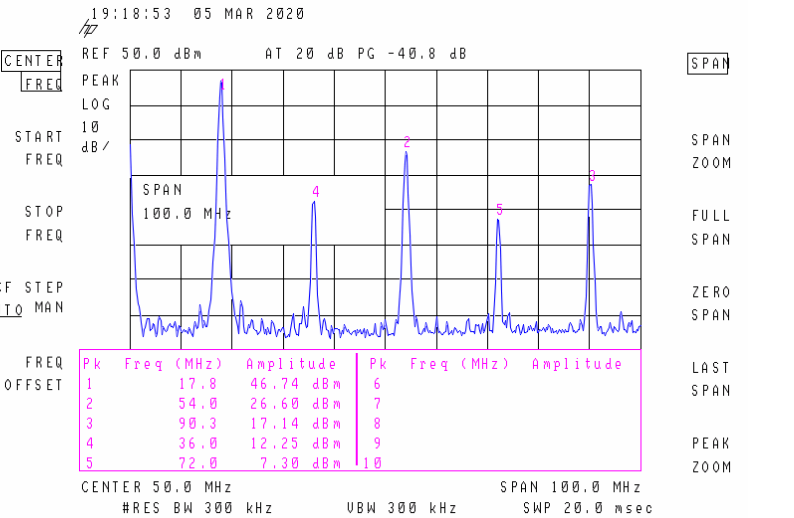
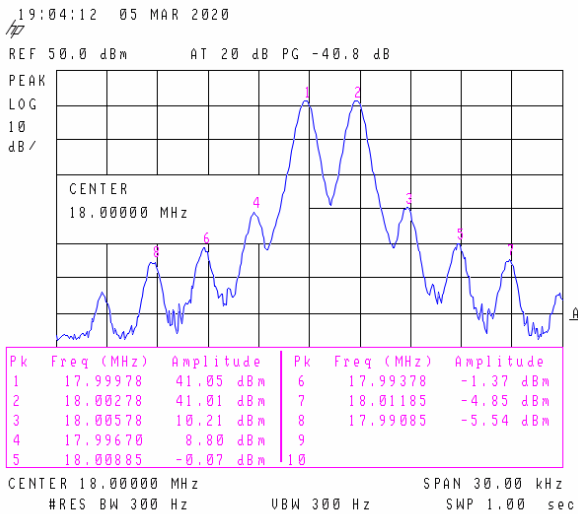
## 10MHz (24V 3.58A + 8.5V 0.32A)



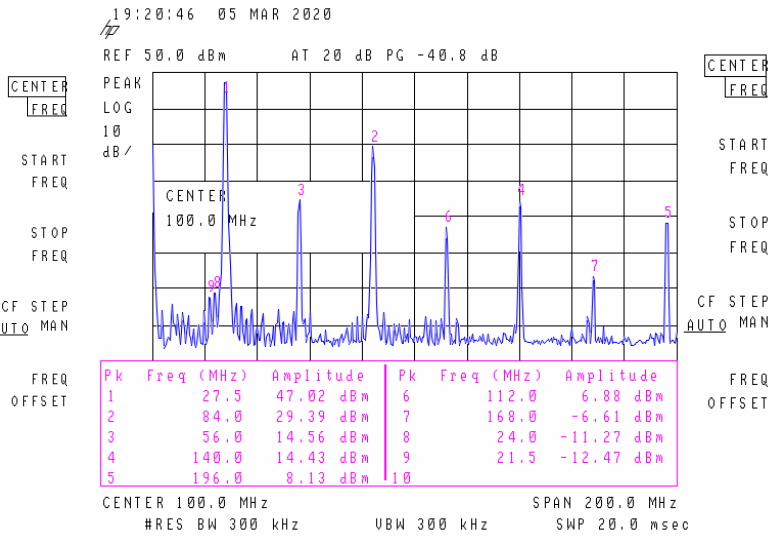
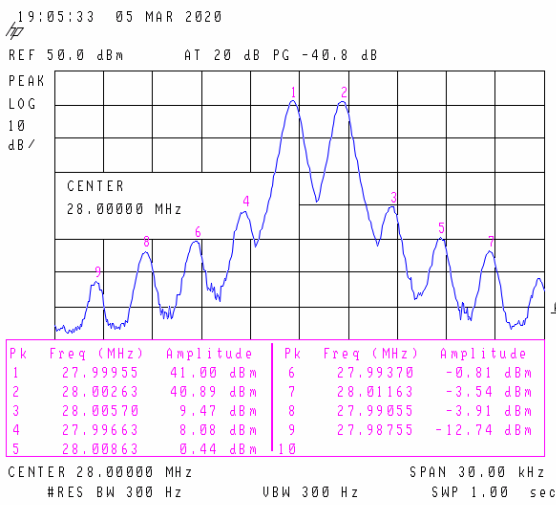
### 14MHz (24V 3.6A + 8.5V 0.33A)



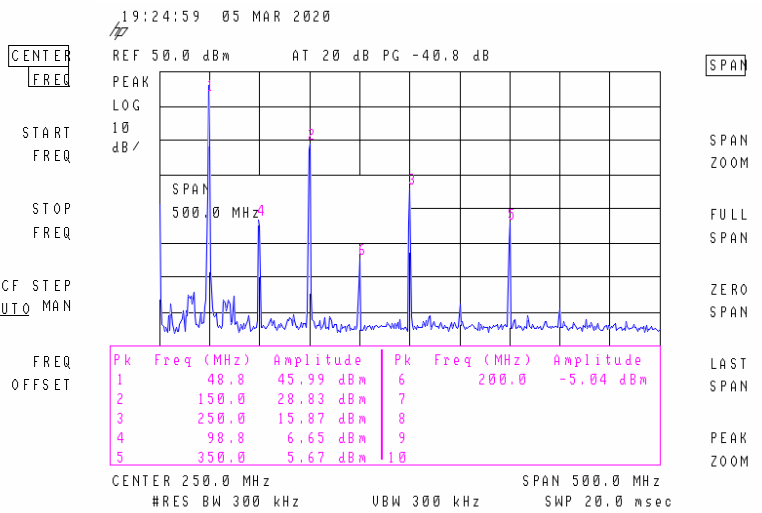
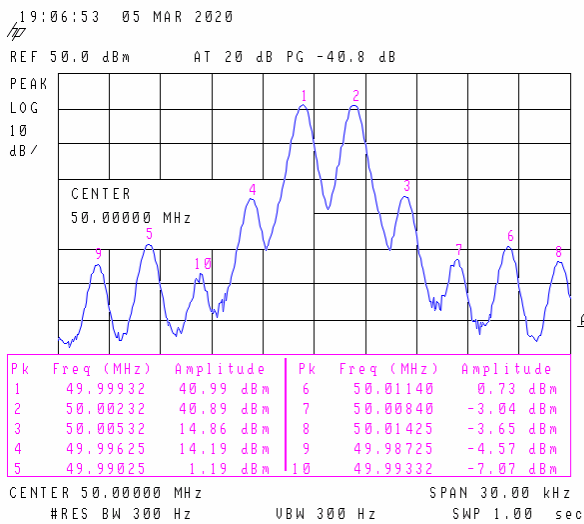
### 18MHz (24V 3.69A + 8.5V 0.34A)



### 28MHz (24V 3.86A + 8.5V 0.36A)



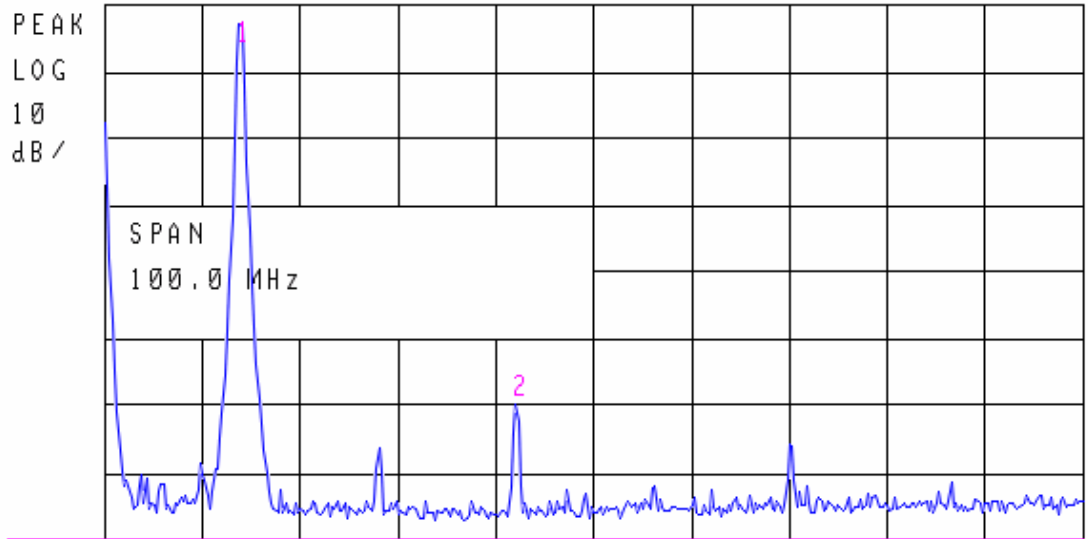
### 50MHz (24V 3.89A + 8.5V 0.4A)



14MHz +LPF 2xT50-6 elliptical

19:29:15 05 MAR 2020

REF 50.0 dBm AT 20 dB PG -40.8 dB



Pk	Freq (MHz)	Amplitude	Pk	Freq (MHz)	Amplitude
1	13.8	46.95 dBm	6		
2	42.0	-9.98 dBm	7		
3			8		
4			9		
5			10		

CENTER 50.0 MHz SPAN 100.0 MHz  
 #RES BW 300 kHz UBW 300 kHz SWP 20.0 msec

SPAN

SPAN  
ZOOM

FULL  
SPAN

ZERO  
SPAN

LAST  
SPAN

PEAK  
ZOOM