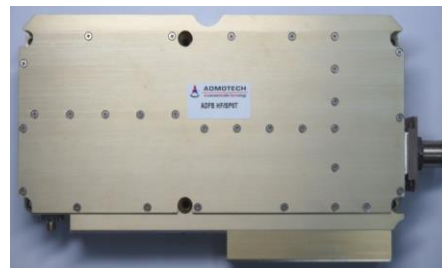
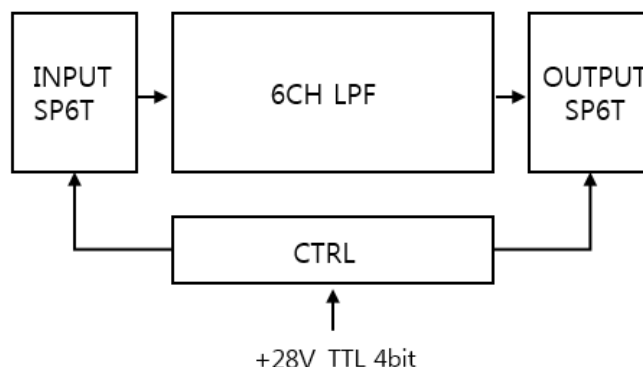


Features

- Military Tactical Radio
- 200 W Max. Input Power
- Ultra-low 2nd Harmonic Characteristics: 65 dBc typical
- Very low insertion loss: 1.0 dB typical



Functional Diagram



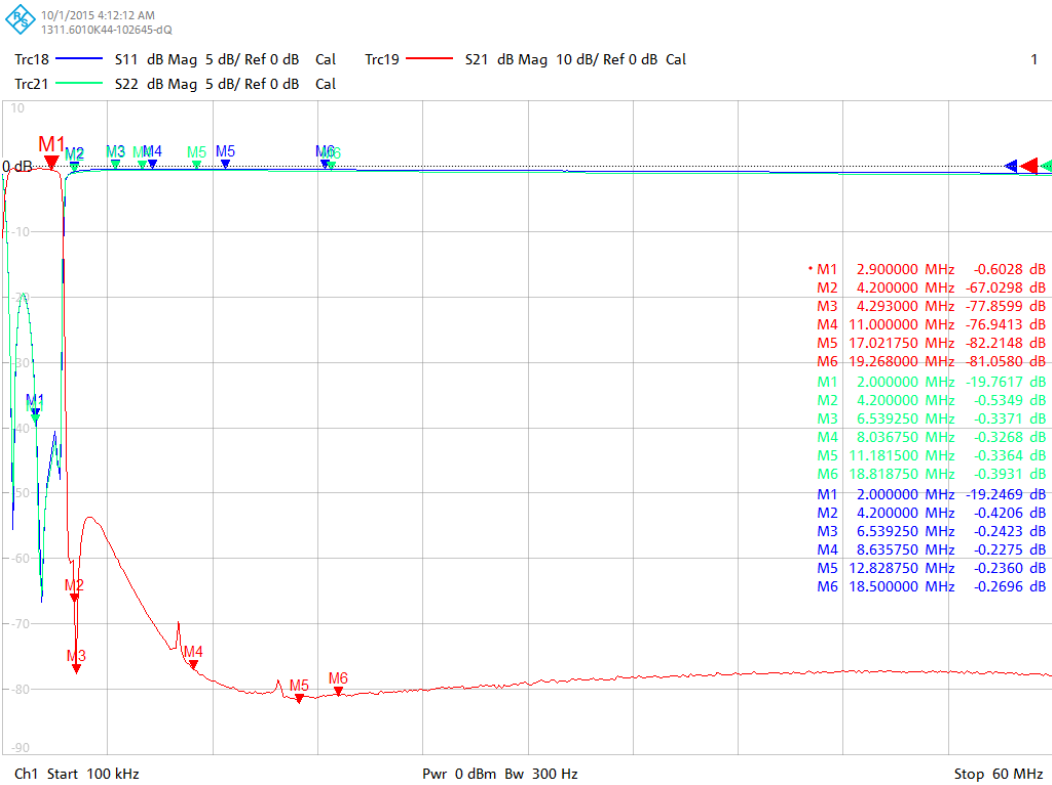
Description

Switch Filter Bank is an array of band pass filters that spans the entire frequency spectrum. 6 Channel Filter Bank ADFB 2/30-6CH is developed frequency band from 2 MHz to 30 MHz. Insertion loss is around 1 dB to 2 dB Max.

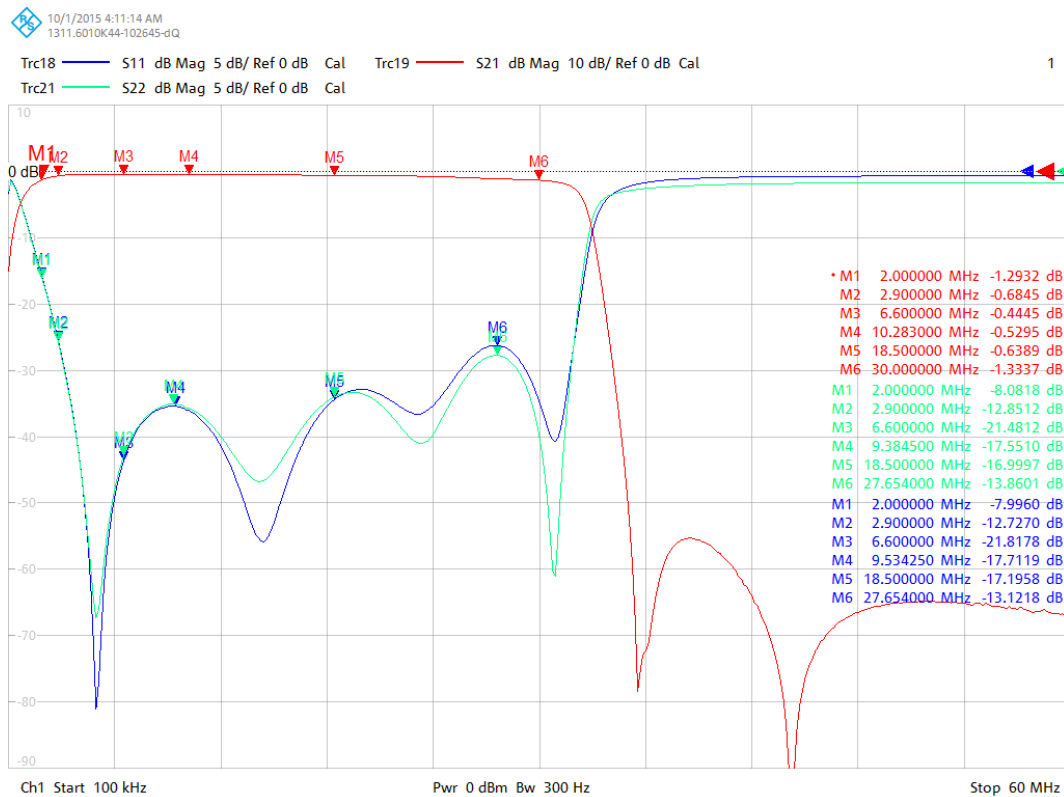
Electrical Specifications

Parameters	Specifications	Remarks
Frequency range	2 MHz ~ 30 MHz	Military Tactical Radio
No. of Channel	6 CH : 2 ~ 30 MHz	
Insertion Loss	1.0 dB Typ., 2.0 dB Max.	
Passband Ripple	Max. 1.0 dB	
VSWR	Max. 1.5: 1	
Channel Rejection	50 dBc Min. @ desired channel rejection frequency band	
2 nd Harmonic Rejection	60 dBc Min. @ 2 nd Harmonic frequency	
Maximum Input Power	200 W CW	
Impedance	50 Ω	
Operating Temperature	-40 °C ~ +85 °C	

S-Parameter Characteristics

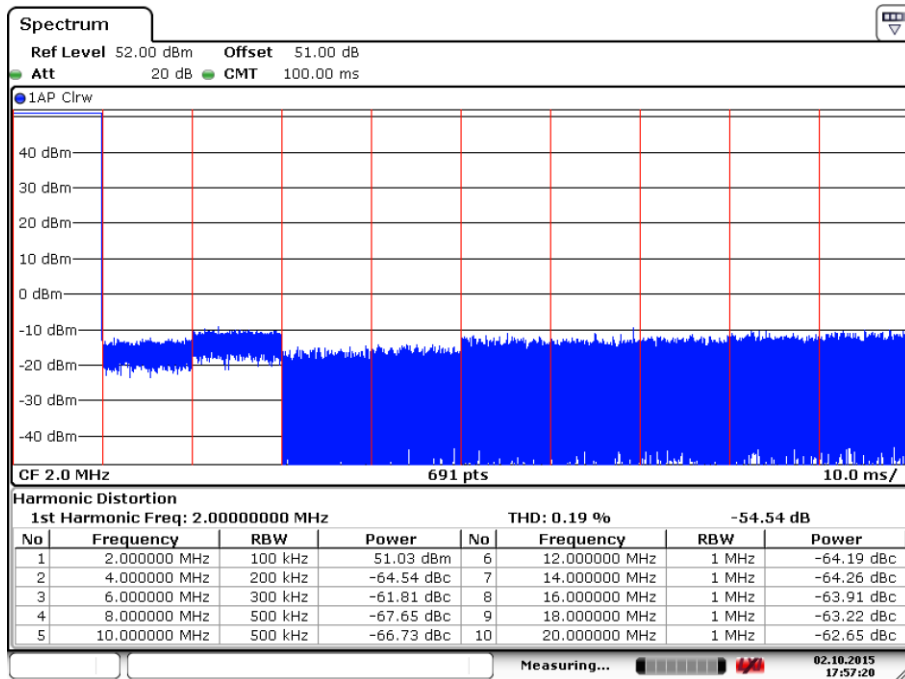


CH 1 Typical S Parameter Response (IL = 0.6 dB, RL = 19.2 dB)



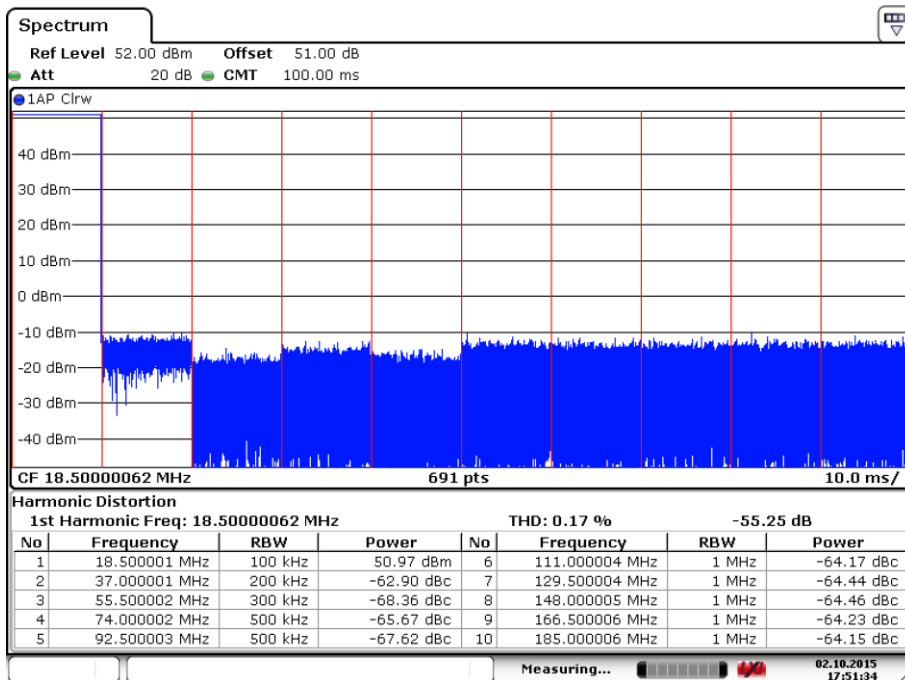
CH 6 Typical S Parameter Response (IL = 1.29 dB, RL = 13.1 dB)

2nd Harmonics



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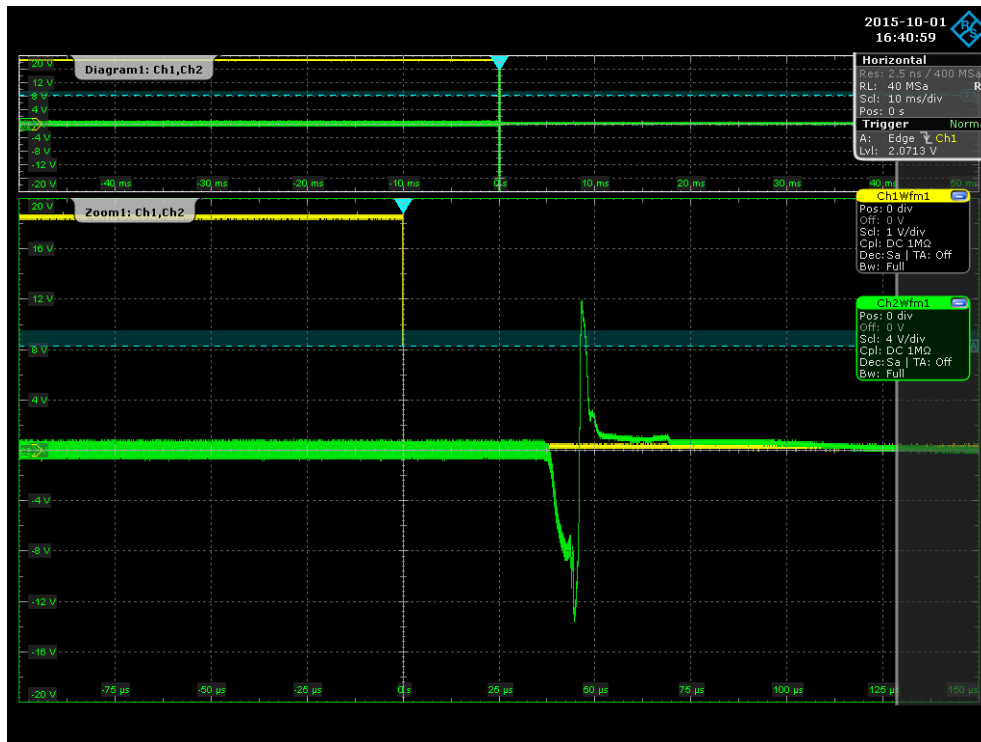
[Fundamental 2 MHz, 2nd Harmonics 64.50dBc]



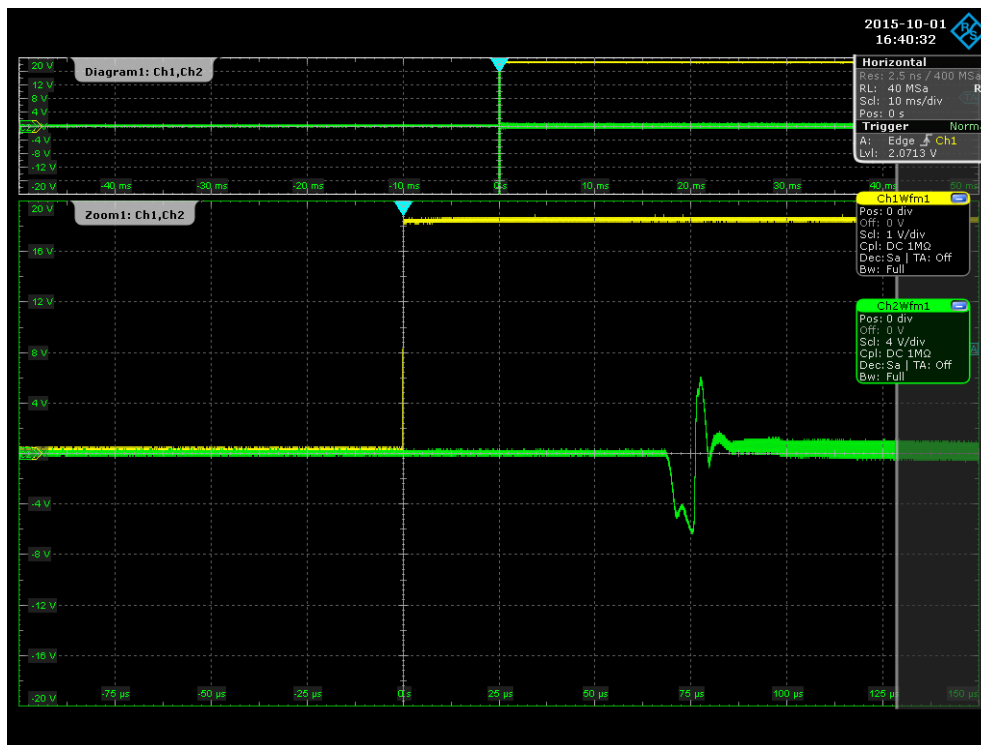
Date: 2.OCT.2015 17:51:34

[Fundamental 18.5MHz, 2nd Harmonics 62.90dBc]

Switching Time



[Switching ON Time 25 μ s]



[Switching Off Time 25 μ s]