

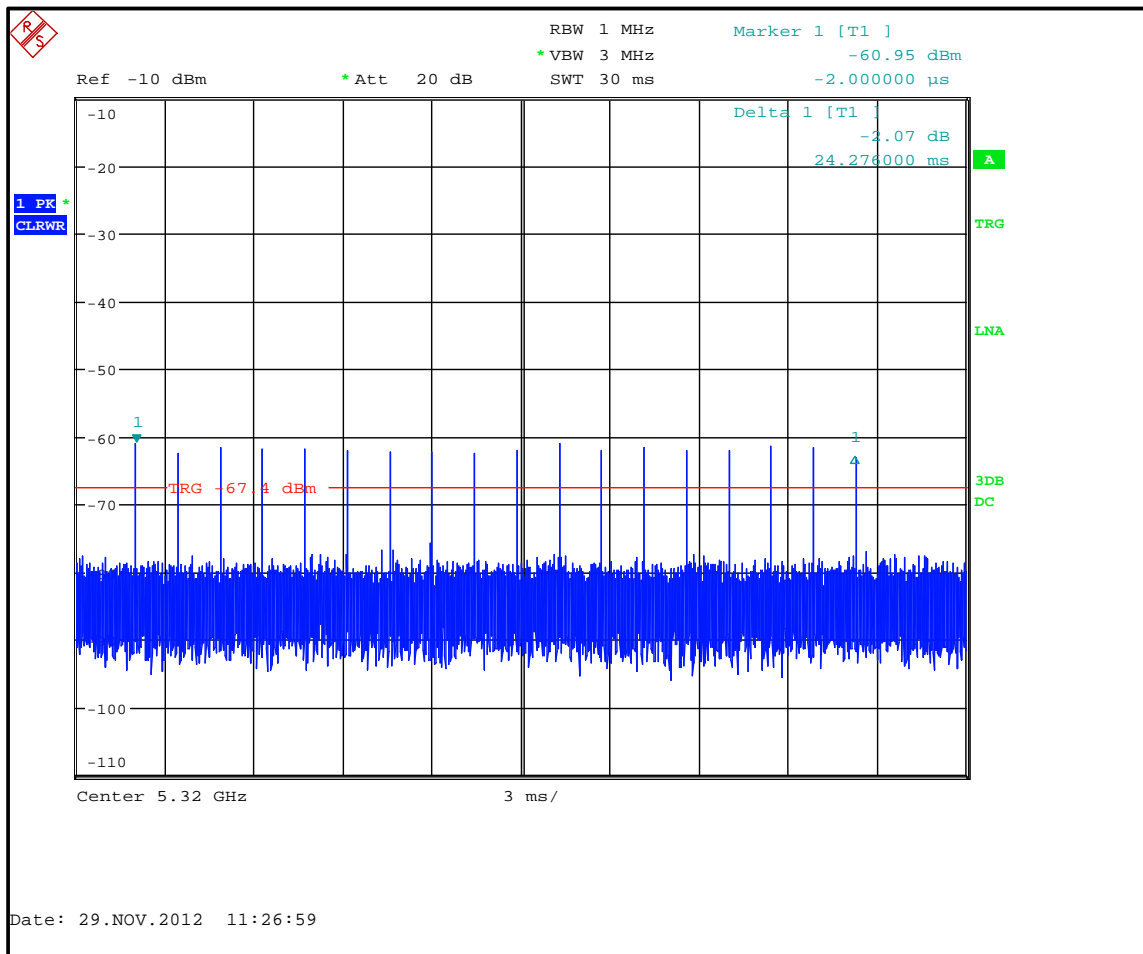
Appendix 3. Radar Calibration

Radar calibration procedure.

The system was configured as shown in section 4.2, but with the spectrum analyser port terminated into a 50Ω load, and a spectrum analyser connected to the master port. The radar was then replayed by the Aeroflex DFS test system, the waveform captured, and the amplitude adjusted until correct.

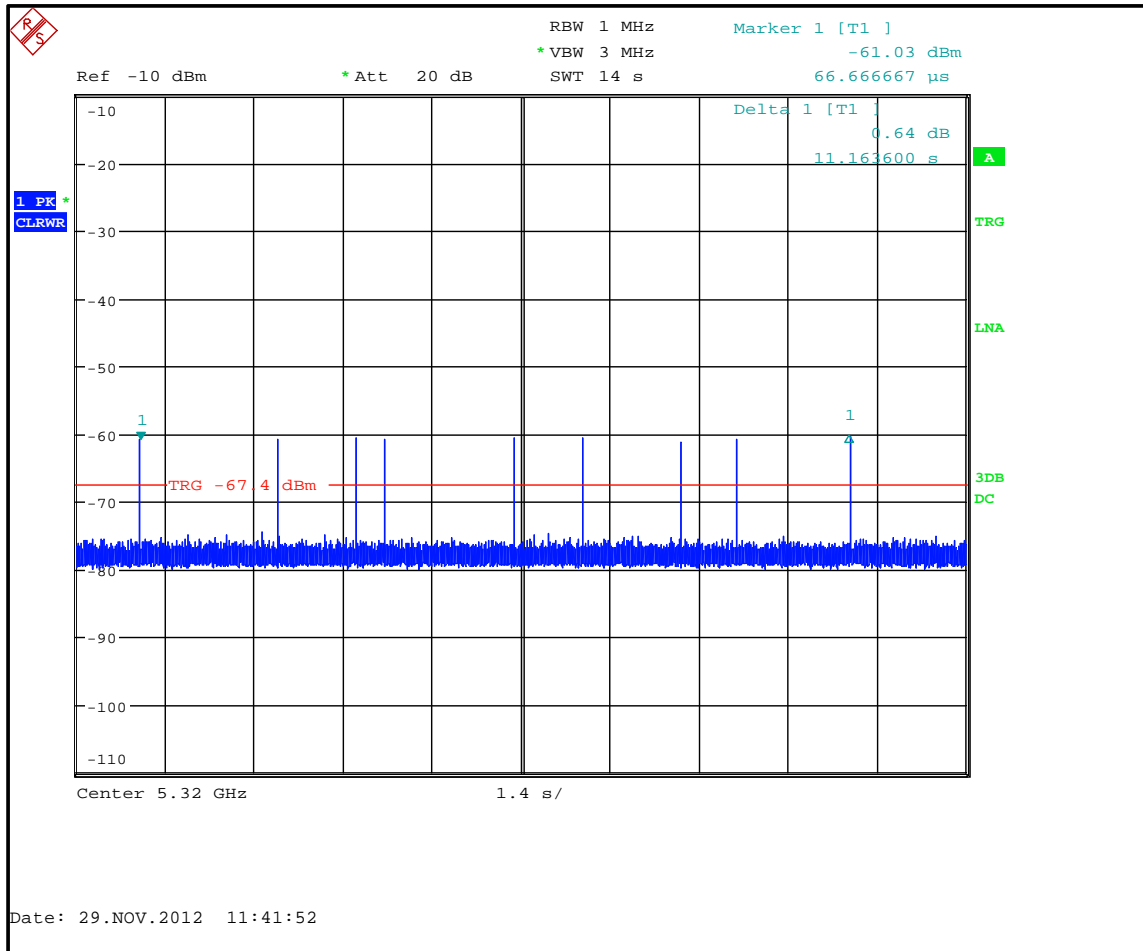
The accuracy of the radars pulses themselves and the software which creates them has already been approved by the FCC and NTIA. See Appendix 4 for details.

Below are plots of the radar bursts at the DFS master port of the attenuation network. The Aeroflex signal generator was set to -7.7 dBm output.



Type 1 (Short) Radar

Radars calibration procedure (continued)



Type 5 (Long) Radar

Appendix 4. Aeroflex Test Platform Approval email

From: Andrew Leimer [<mailto:Andrew.Leimer@fcc.gov>]
Sent: Friday, September 23, 2011 4:24 PM
To: Chisham, Steve
Cc: Carey, Tim; Hack, Barry; Rashmi Doshi; Joe Dichoso
Subject: RE: Certification for Aeroflex DFS solution

Hello Steve,

The Aeroflex "DXI based DFS test solution" system used for DFS alternative radar signal generation has been approved by the FCC and NTIA.

This approval permits the system to be used by labs in the testing of DFS devices for equipment authorization Certification. It is recommended that applicants that use your system for testing include a statement in the Test Report or a Letter Exhibit stating that the system has FCC and NTIA approval. This E-mail is your record of this approval.

Note that the appropriate term for your system is Approved as the term Certification is reserved for devices gaining equipment authorization through the FCC or a TCB.

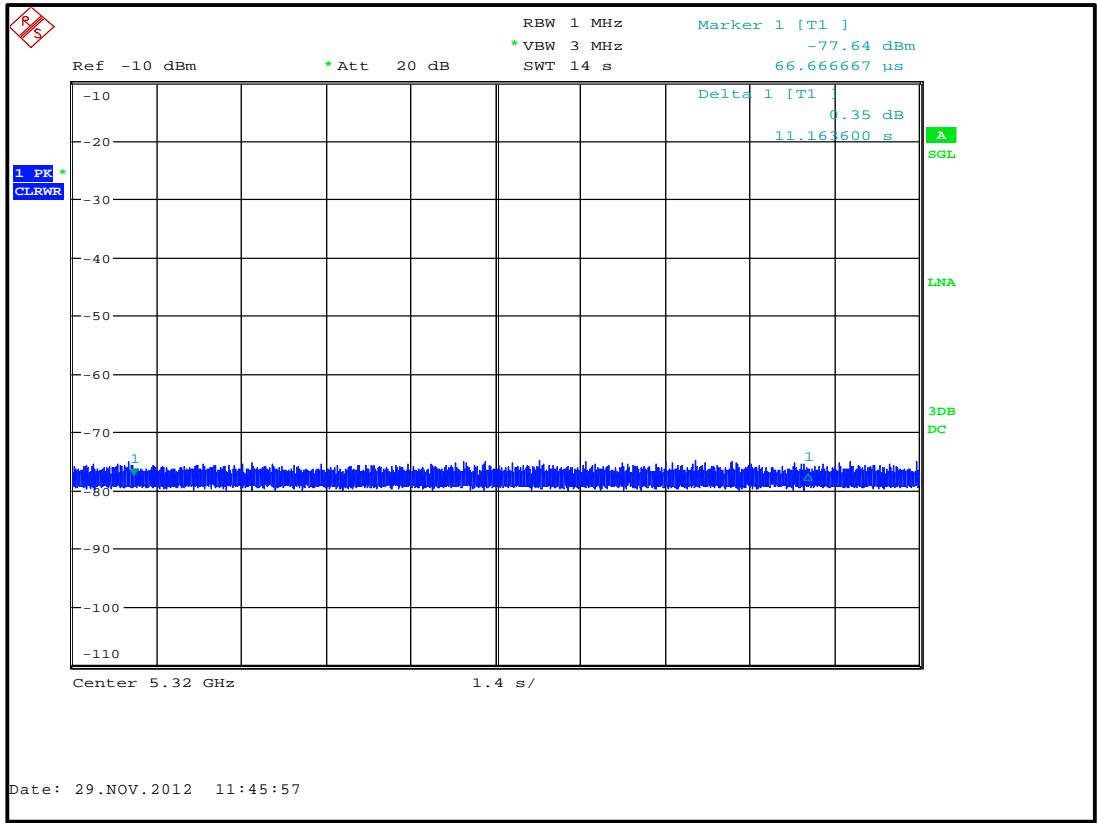
Regards,

Andy Leimer

FCC/OET/EACB

Appendix 5. System Noise Floor Reference Plots

As required by Section 8.3.18(iii) of FCC 06-96, the following plot shows the reference noise floor of the system used during measurement.



Noise Floor of Spectrum Analyser