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To: EDGES Group
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 Subject: Recalibration of high band receiver

The EDGES high band receiver was calibrated in March 2015 and deployed from 2015_107 to 2016_258. The calibration results are shown in Figure 1. The receiver was recalibrated in early 2017 and the results are shown in Figure 2.

A linearity test was done by comparing the calibrated spectra of the noise source simulator with the simulator plus 3 dB and the simulator plus 6 dB in a manner similar to that reported in memo 228 for the low band receiver. The spectral results

Atten	T at 150 MHz	Spectral index	Spectral curvature
0 dB	1136	-1.700	0.360
3 dB	1138	-1.697	0.362
6 dB	1142	-1.691	0.368

Table 1.

The difference spectra with 4 polynomial terms removed are shown in Figure 3 and 4.

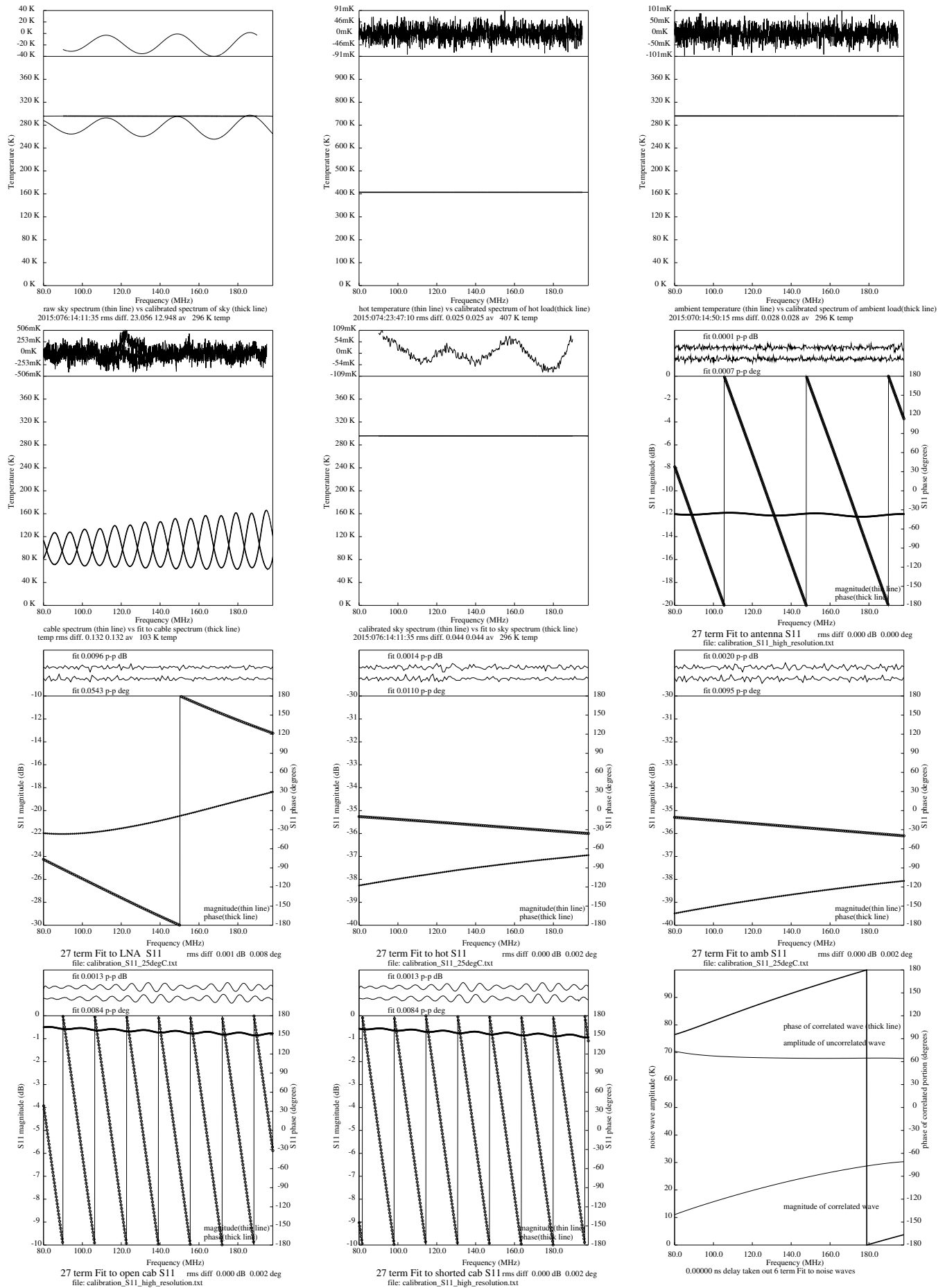


Figure 1. Calibration results from March 2015.

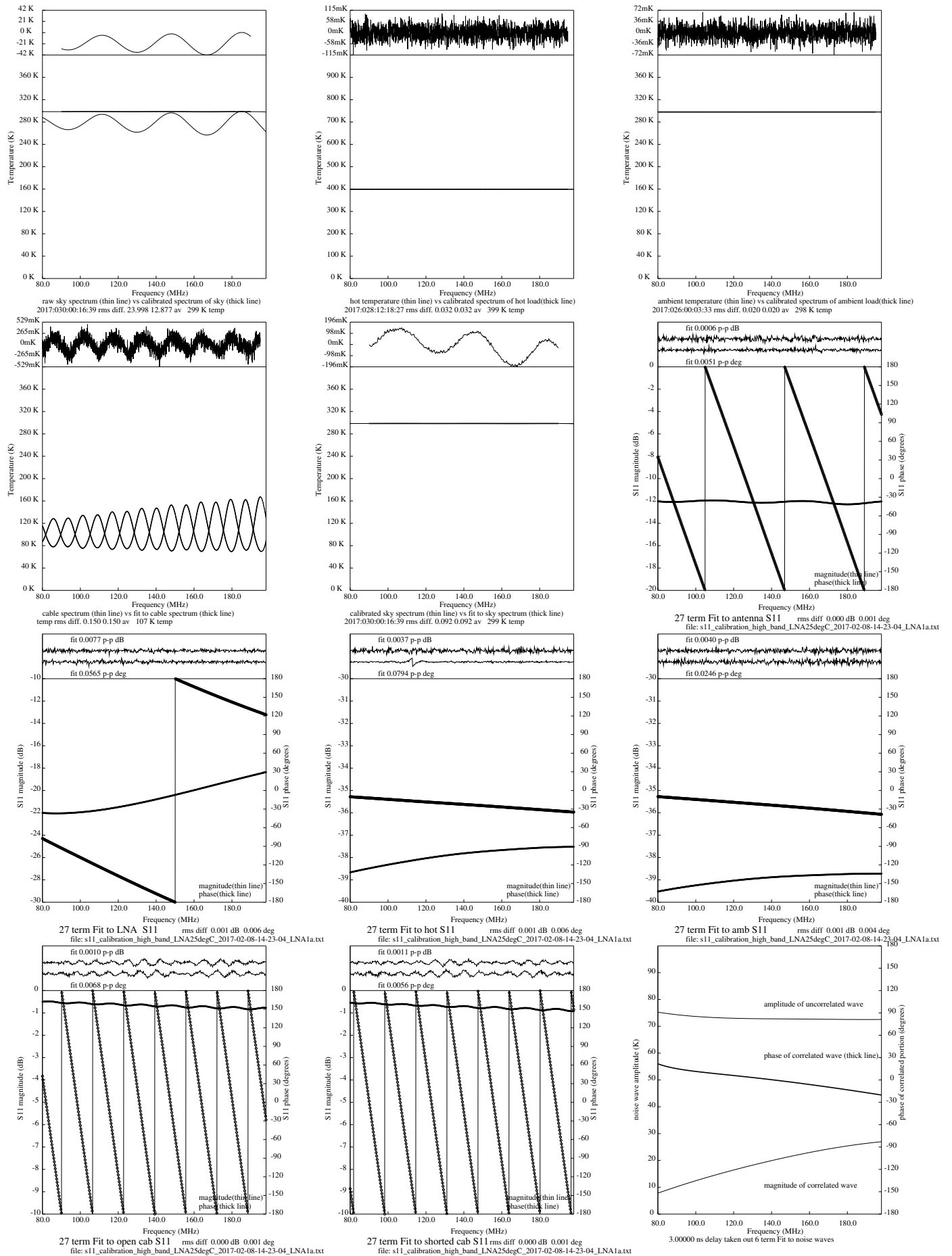


Figure 2. Recalibration results from February 2017.

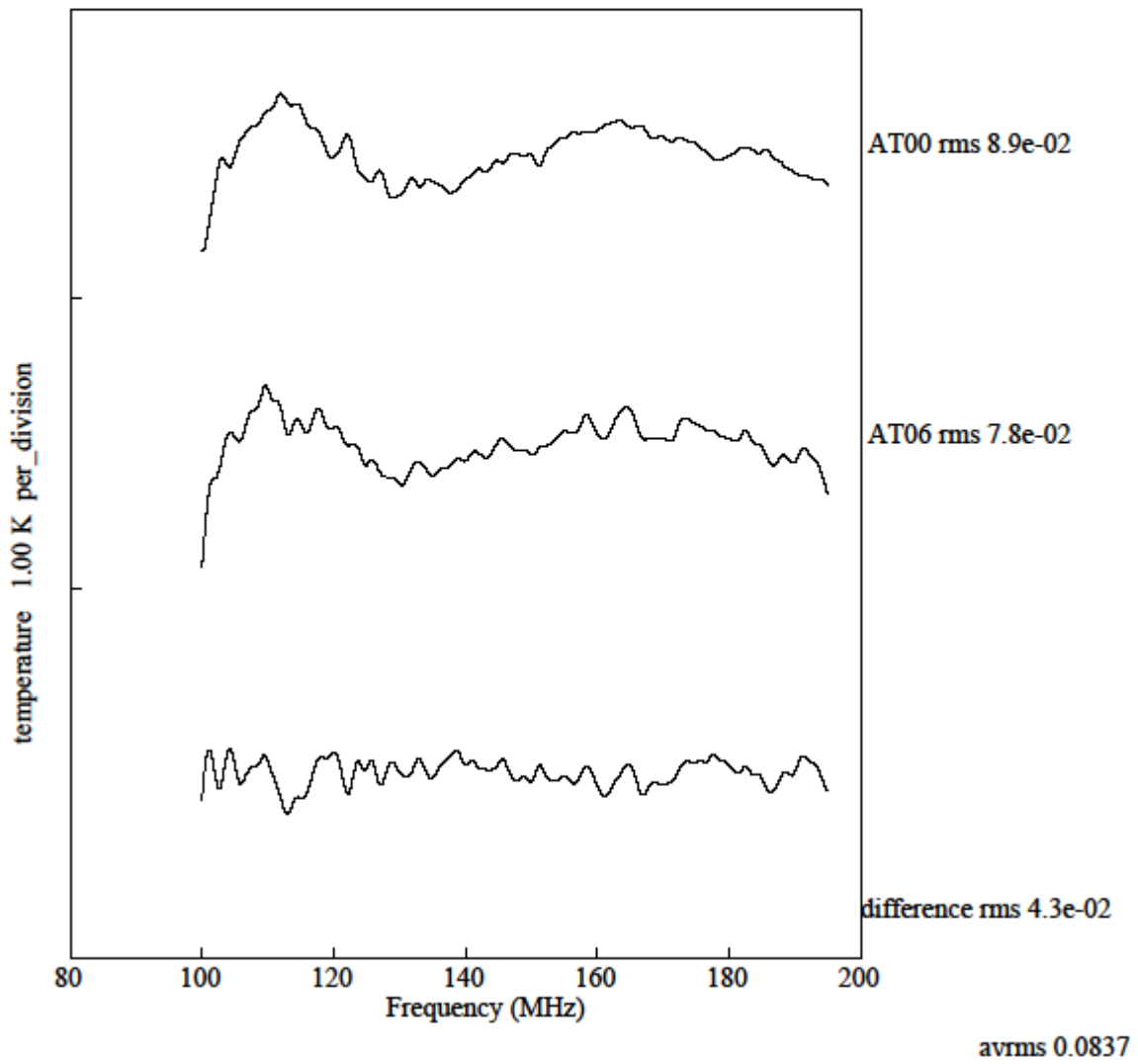


Figure 3. Spectra for 0 and 6 dB and their difference with 4 poly terms removed.

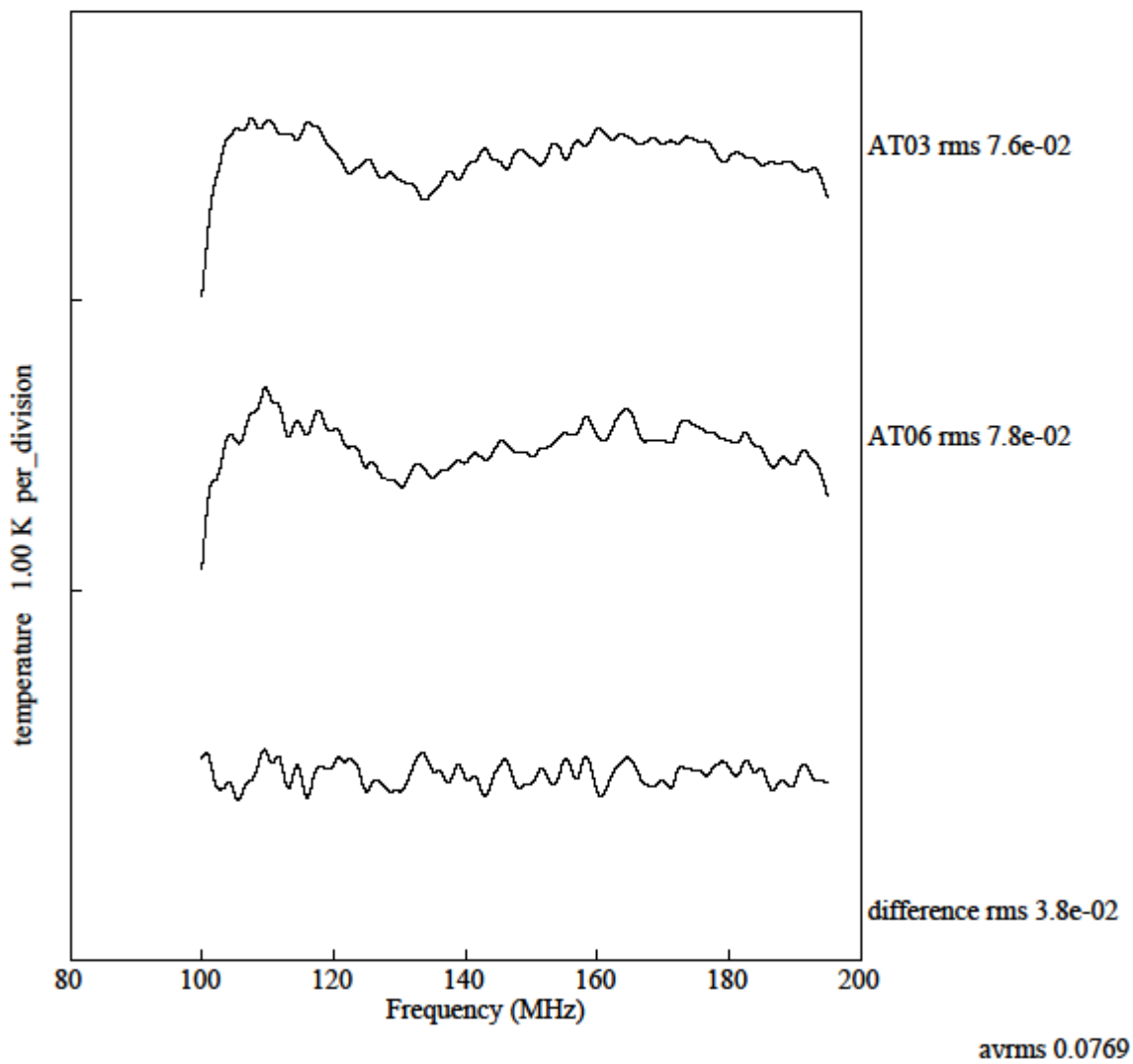


Figure 4. Spectra for 3 and 6 dB and their difference with 4 poly terms removed.