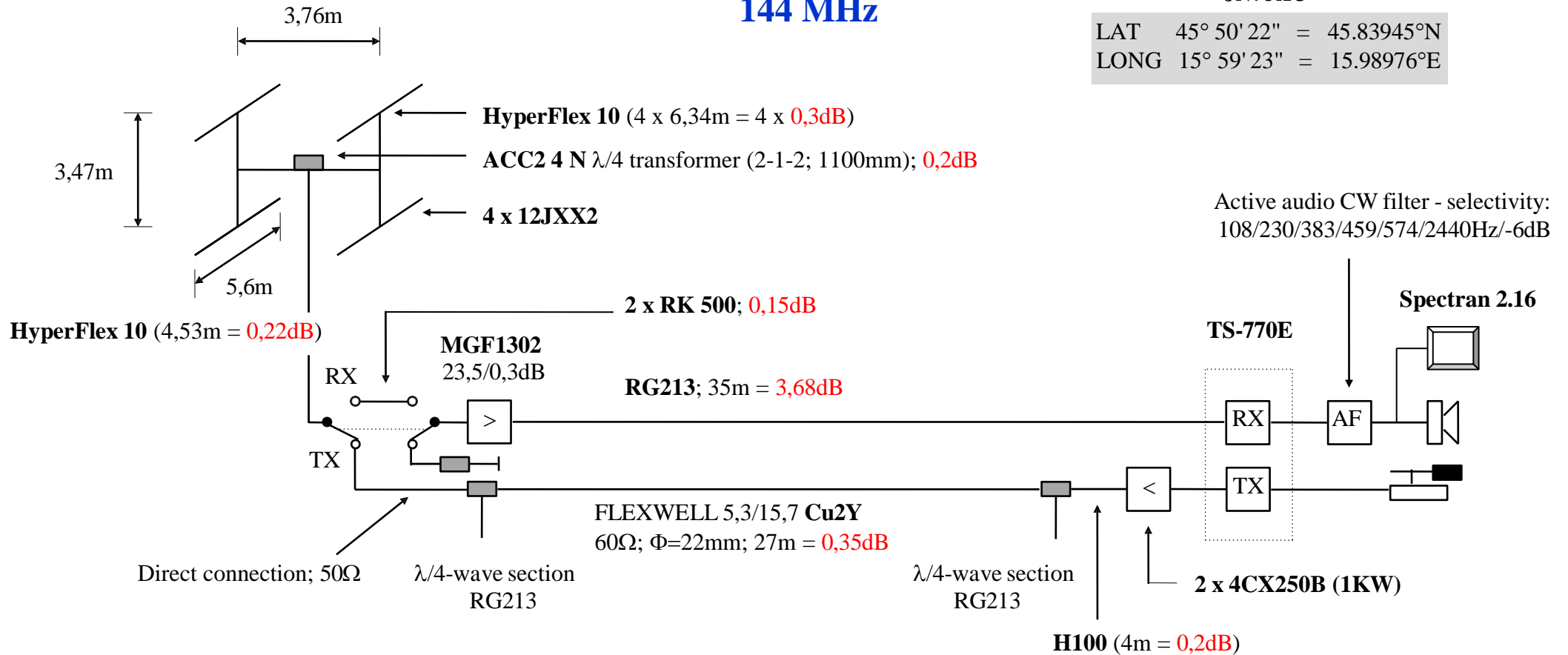


9A9B 144 MHz

JN75XU

LAT 45° 50' 22" = 45.83945°N
LONG 15° 59' 23" = 15.98976°E



Total losses of TX line, from TS-770E to λ/4 transformer = 0,77dB

=> Power on λ/4 transformer input = 837,529 W ≈ 838W

Total losses of TX line, from TS-770E to 12JXX2 = 1,27dB

=> Power on 12JXX2 input = 746,449 W ≈ 746W

RxTK (17° C) = 93,96 °K = 1,22 dB

$G_{12JXX2-VE7BQH} = 14,82\text{dBi} = 12,67\text{dBd}$

$G_{4x12JXX2-VE7BQH} = 20,79\text{dBi} = 18,64\text{dBd}$

$\Phi_{E-4x12JXX2} \approx 17,82^\circ/-3\text{dB}$; $\Phi_{H-4x12JXX2} \approx 19,3^\circ/-3\text{dB}$

ERP_{max} = 54,576KW ≈ 55KW