

RF-power

Wolf-2 HF RF output measurement
 date: 3.-15.11.2024
 S53DZ

PS=12.6V, 7.5A
 HF RF atten = 10 --> 7.75dB

RF att(dB)
 40

RF att(dB)
 56

I_bias=2.1A
 R_ntc=10k

| freq (MHz) | Pwr meter calibr. (MHz) | cable (dB) | HF DAC (dBm) | P (mW) | HF RFout (dBm) | P (W) | PWR (%) |
|------------|-------------------------|------------|--------------|--------|----------------|-------|---------|
| 3.5 | 10 | 0 | -9.57 | 1104 | -10.93 | 32.1 | 20 |
| 7 | 10 | 0 | -10.47 | 897 | -12.71 | 21.3 | 20 |
| 10 | 10 | 0 | -13.21 | 478 | -12.63 | 21.7 | 40 |
| 14 | 10 | 0 | -14.50 | 355 | -11.91 | 25.6 | 55 |
| 18 | 20 | 0 | -16.69 | 214 | -11.44 | 28.6 | 80 |
| 21 | 20 | 0 | -16.71 | 213 | -11.34 | 29.2 | 90 |
| 25 | 20 | 0.1 | -16.91 | 208 | -14.68 | 13.9 | 100 |
| 28 | 20 | 0.2 | -13.06 | 518 | -10.03 | 41.4 | 80 |
| 50 | 50 | 0.5 | -20.10 | 110 | -15.15 | 13.6 | 65 |
| 145 | 150 | 1 | -50.00 | 0 | -50.00 | 0.0 | |
| 435 | 400 | 2 | | | -50.00 | 0.0 | |