pTx-8ch-HeadCoil-7T S-parameter measurements 2015-10-14

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Element | 1 | 2 | | 3 | 4 | 5 | | 6 | 7 | 8 |  | S12, S21 | in -dB |
| 1 | 8,6 | 11,0 | | 20,8 | 17 | 17 | | 21,8 | 19 | 9,8 |  |  | < 12,5 |
| 2 | 10,4 | 23,3 | | 11,0 | 24,4 | 20,2 | | 17,2 | 32 | 17,8 |  |  | 12,5 - 17,4 |
| 3 | 19,5 | 11,1 | | 16,2 | 11,9 | 31,5 | | 21 | 15,8 | 20 |  |  | 17,5 - 22,4 |
| 4 | 16,5 | 24,6 | | 12,0 | 21,5 | 11,7 | | 33 | 19,5 | 16,5 |  |  | 22,5 - 27,4 |
| 5 | 16,7 | 19,9 | | 31,8 | 11,7 | 23,1 | | 11,9 | 23,3 | 16,8 |  |  | > 27,4 |
| 6 | 23,6 | 16,5 | | 19,5 | 35,3 | 11,7 | | 15,5 | 11,0 | 18 |  |  |  |
| 7 | 18,5 | 30,7 | | 16 | 19,5 | 23,3 | | 11,4 | 26,7 | 10,5 |  |  |  |
| 8 | 9,9 | 18,2 | | 20,5 | 17,1 | 17,4 | | 19,1 | 11,0 | 8,9 |  | S11 | in -dB |
| S-Parameter-Matrix | | | am ZVL-NWA (2-Port) | | | |

**Measurement setup:**

* ZVL-Networkanalyzer (2-port)
* Loading with water bottle ~5l
* Open channels connected to 50Ω