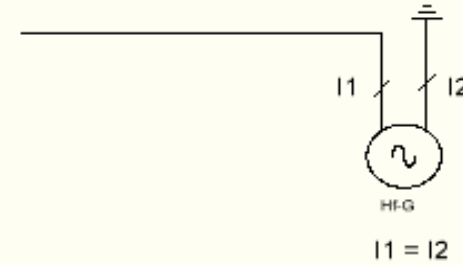
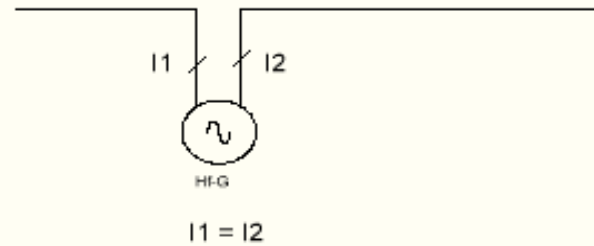
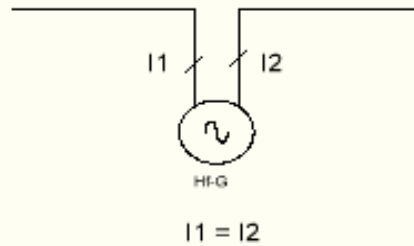
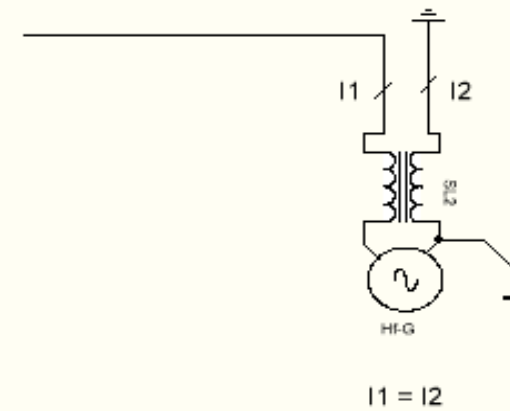
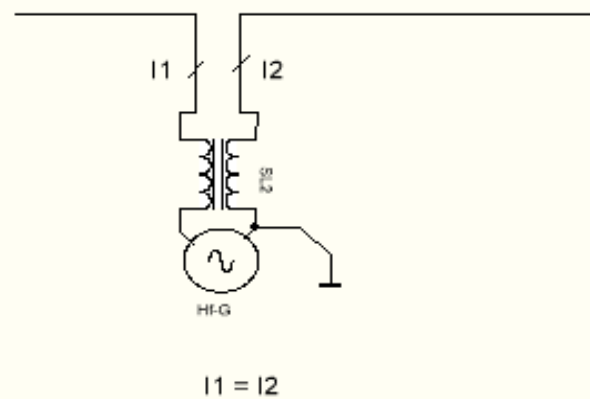
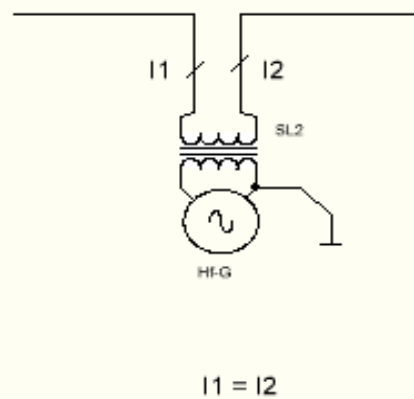
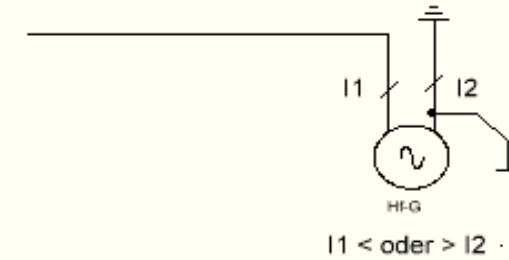
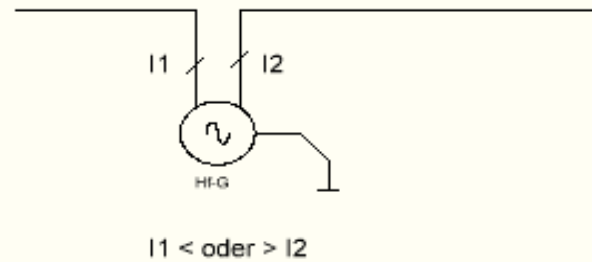
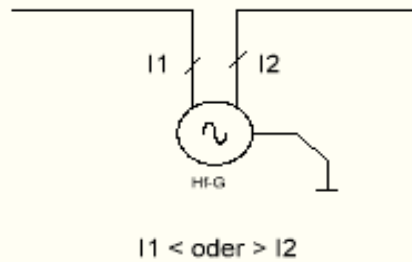


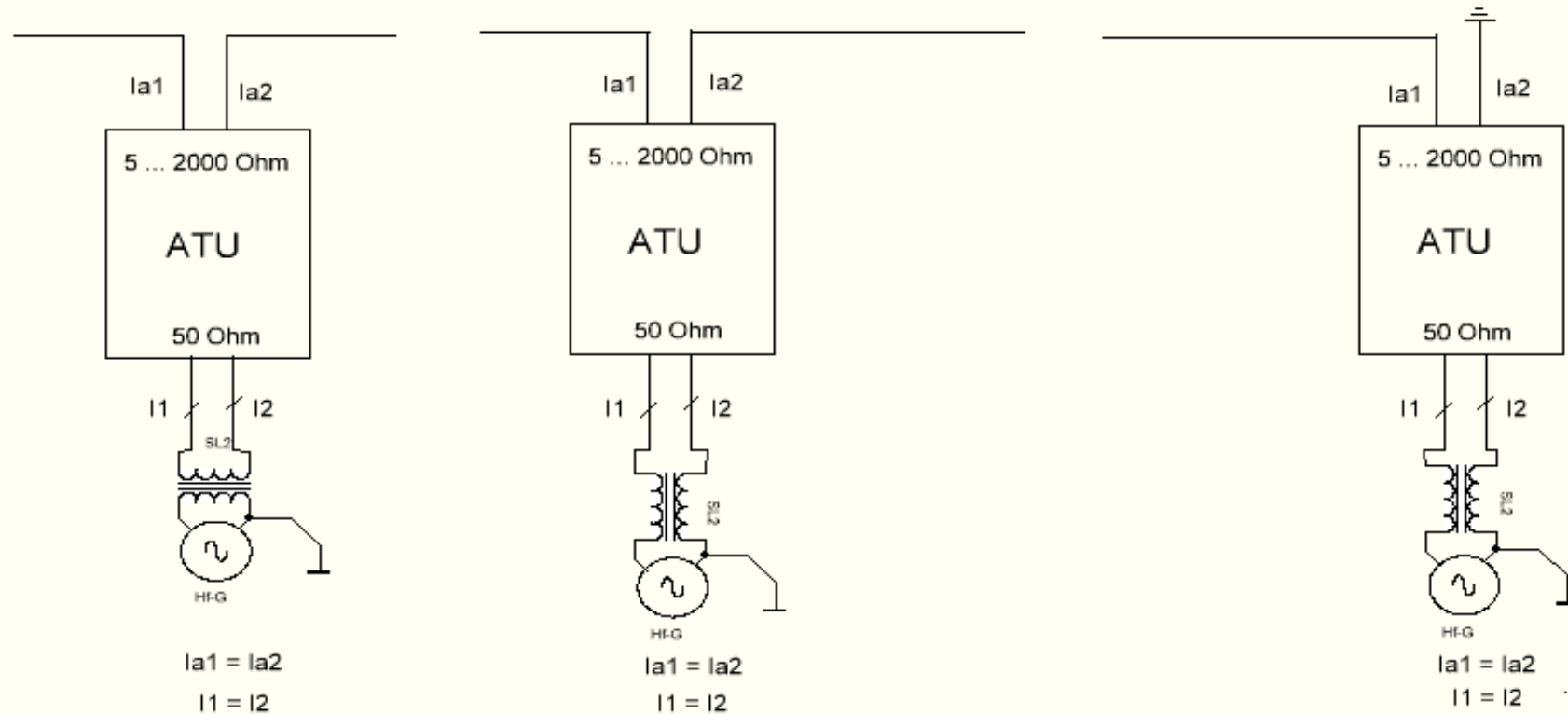
Erdfreie Antennenspeisung



Alle Antennen die erdfrei gespeist werden sind symmetrisch $I_1 = I_2$



Erdfreie Antennenspeisung



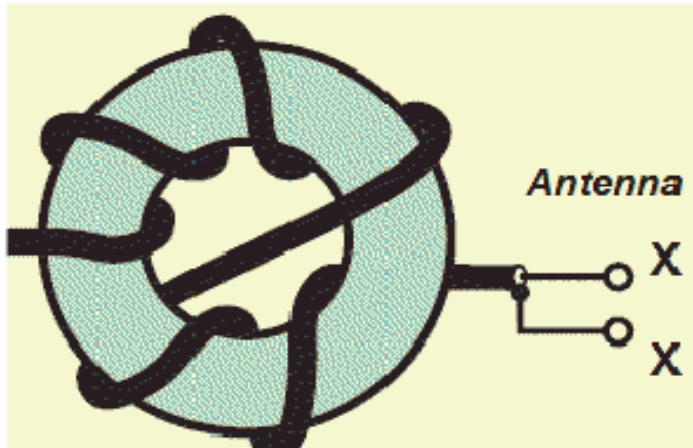
Alle Antennentuner erdfrei betrieben sind symmetrisch

Dipl.-Ing. Wolfgang Wippermann

DG0SA

Februar 2017

1. [Geschichtliches](#)
2. [Die Störsituation](#)
3. [Finde Störer selbst](#)
4. [Entstehung von Mantelwellen](#)
5. [Aufgaben des Baluns](#)
6. [Ein wenig Theorie – praktisch](#)
7. [Das Symmetrieglied](#)
8. [Die Kernfrage](#)
9. [Vormagnetisierung, Temperatur u. a.](#)
10. [Wir bauen Balune](#)



Balun

- verstehen
- bauen
- prüfen

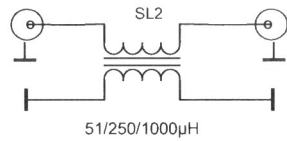
dl4zao

Günter Fred Mandel - DL4ZAO

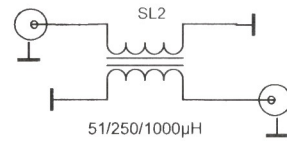
Erdfreie Antennenspeisung

Prüfung SL2 - Balun

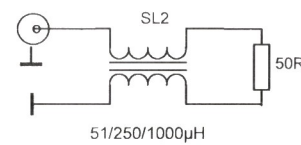
S21 - Prüfung Übertragungsverluste



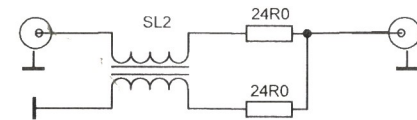
1:1 - S21 - Prüfung Übertragungsverluste



Prüfung SWR

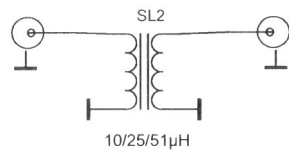


C - Prüfung Sperrdämpfung

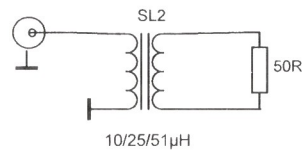


Prüfung SL2 - Übertrager

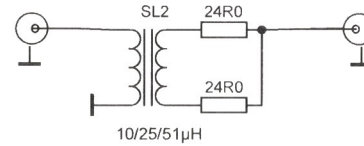
S21 - Prüfung Übertragungsverluste



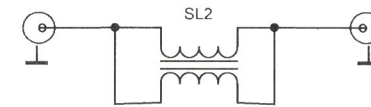
Prüfung SWR



C - Prüfung Sperrdämpfung



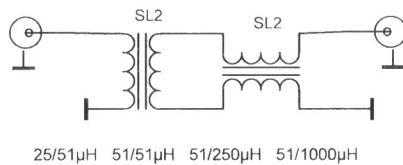
WE - Prüfung



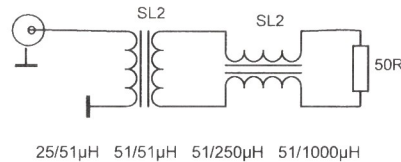
- WE-SL2 - 744226 - 10µH
- WE-SL2 - 744228 - 25µH
- WE-SL2 - 744227 - 51µH
- WE-SL2 - 744224 - 250µH
- WE-SL2 - 744222 - 1000µH

Prüfung SL2 - Übertrager/ Balun

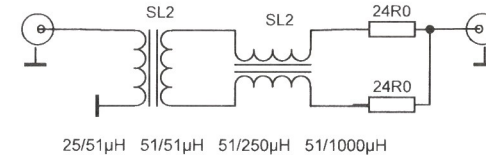
S21 - Prüfung Übertragungsverluste















Prüfung SWR



C - Prüfung Sperrdämpfung

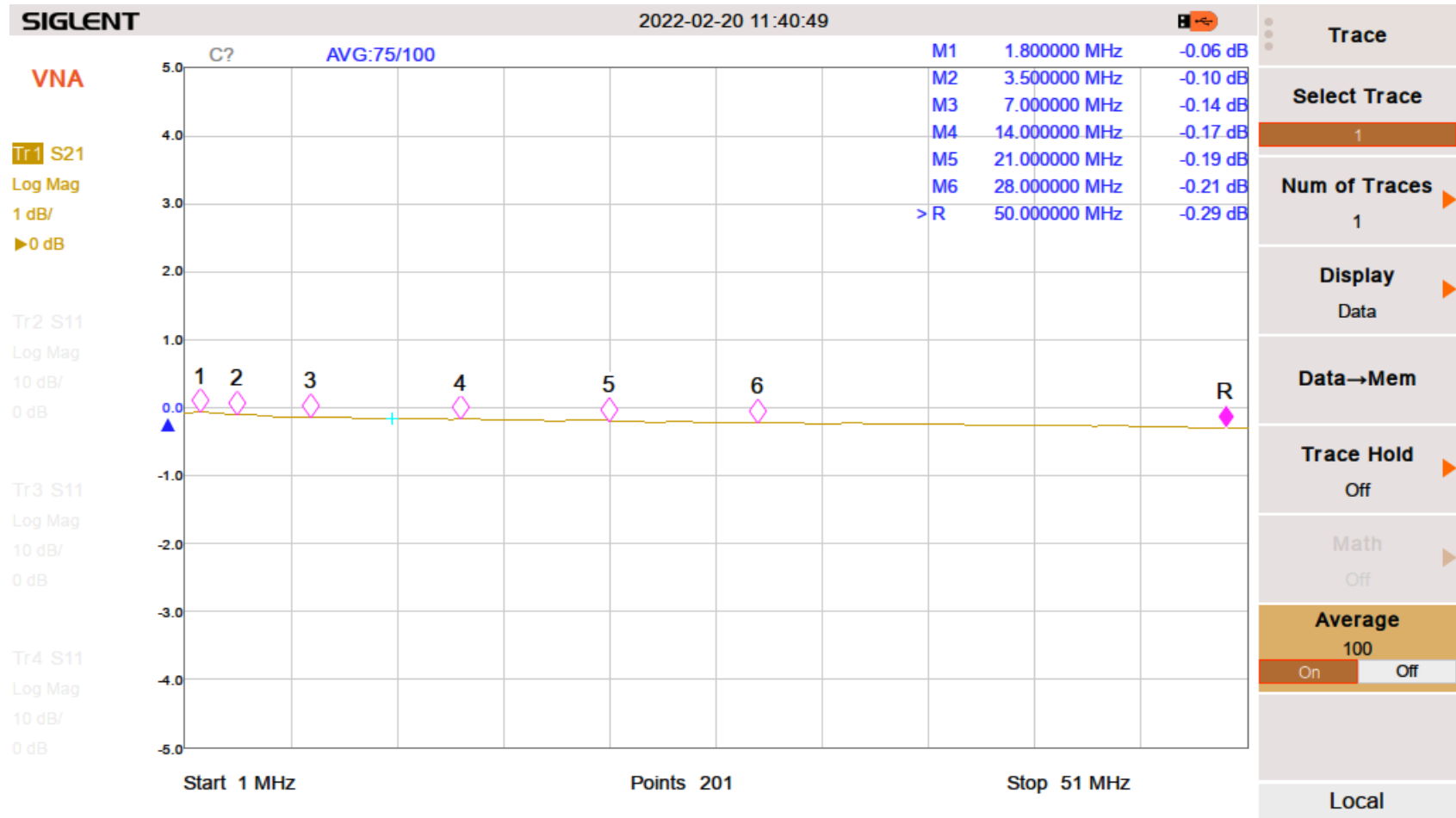


WE-SL2

Artikel Nr.	Datenblatt	Simulation	Downloads	Wicklungstyp	Wicklungsanzahl	L (μH)	Z _{max} (Ω)	I _R (mA)	R _{DC max.} (Ω)	V _R (V)	Anwendung
744226	SPEC		7 DATEIEN	bifilar	2	10	920	1600	0.08	80	-
744228	SPEC		7 DATEIEN	bifilar	2	25	2800	1000	0.12	80	-
744225	SPEC		7 DATEIEN	bifilar	2	40	3100	900	0.25	80	-
744227	SPEC		7 DATEIEN	bifilar	2	51	5500	1000	0.16	80	CAN
744224	SPEC		7 DATEIEN	bifilar	2	250	1800	1200	0.13	80	-
744223	SPEC		7 DATEIEN	bifilar	2	500	3300	1000	0.15	80	-
744222	SPEC		7 DATEIEN	bifilar	2	1000	6000	800	0.207	80	-
744221	SPEC		7 DATEIEN	bifilar	2	2000	9200	600	0.42	80	-
744220	SPEC		7 DATEIEN	bifilar	2	4700	20000	500	0.75	80	-
744229	SPEC		7 DATEIEN	bifilar	2	6500	18400	400	0.95	80	-
744220103	SPEC		7 DATEIEN	bifilar	2	10000	25000	350	1.2	80	-
744220203	SPEC		7 DATEIEN	bifilar	2	20000	50000	200	2.6	80	-

Helmut – DL2AVH

Serba 6/2022

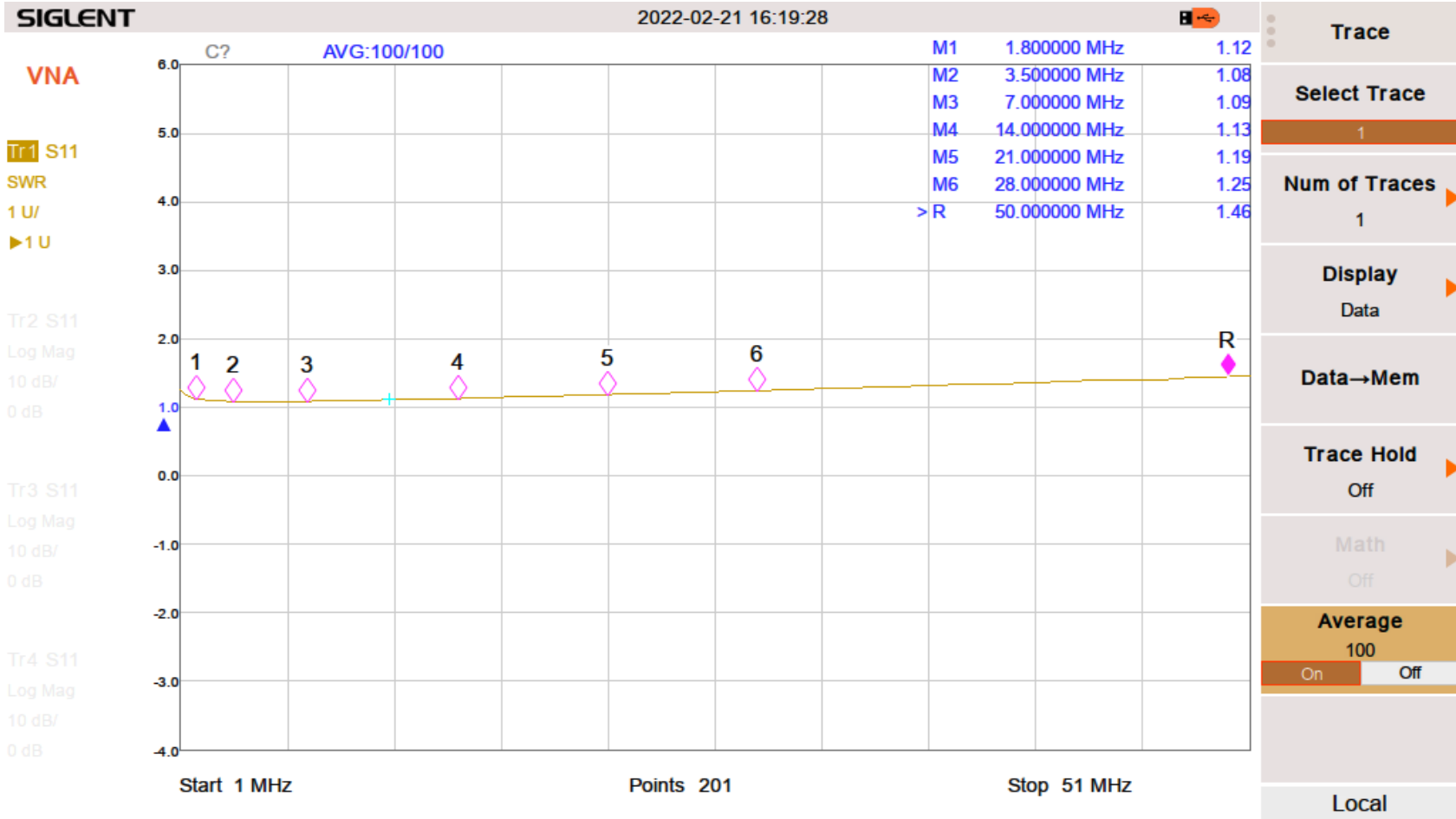


WE-SL2 – 51µH/744227 als Übertrager

Übertragungsverluste S21

Helmut – DL2AVH

Serba 6/2022

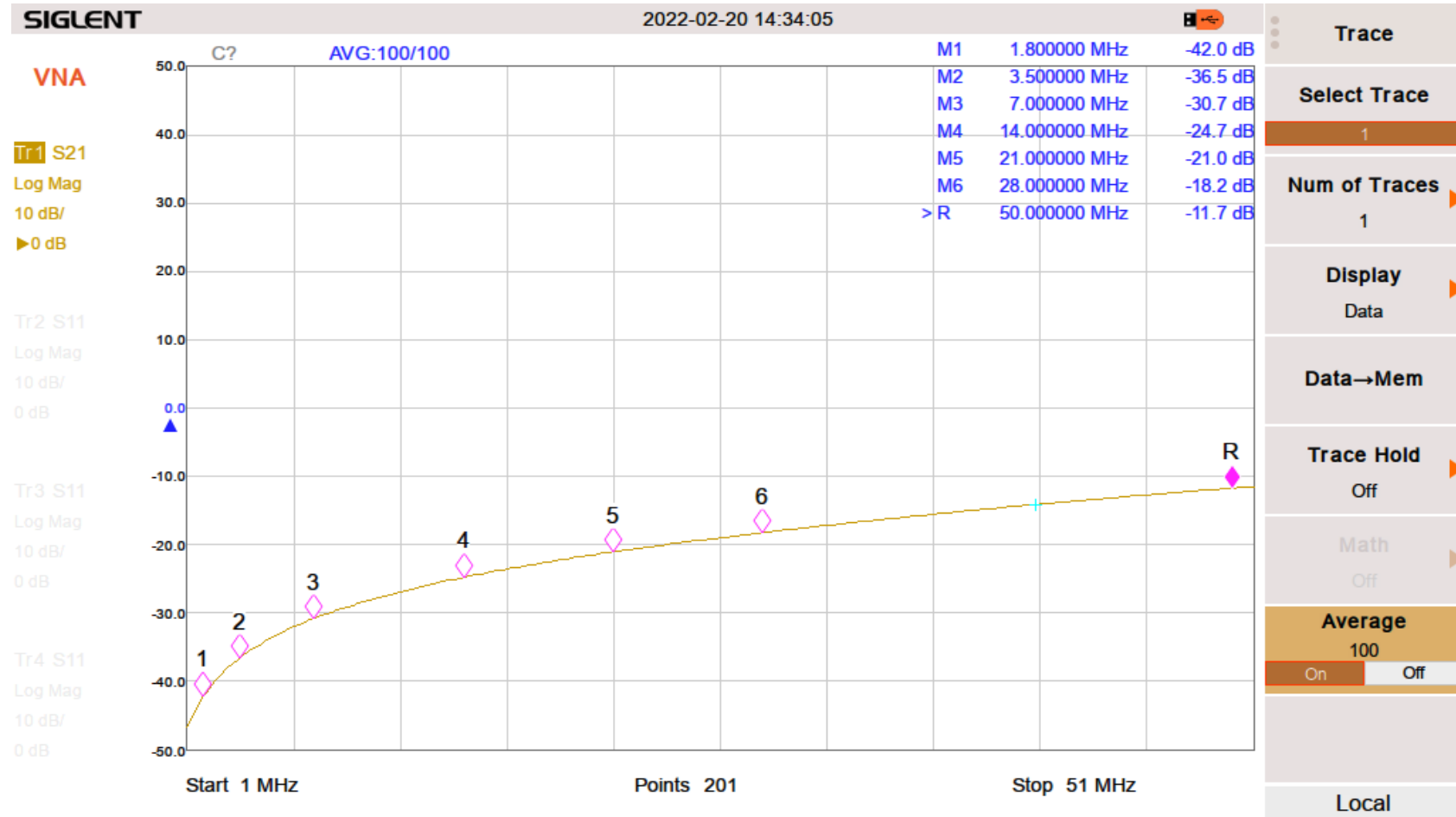


WE-SL2 – 51µH/744227 als Übertrager

Prüfung SWR

Helmut – DL2AVH

Serba 6/2022

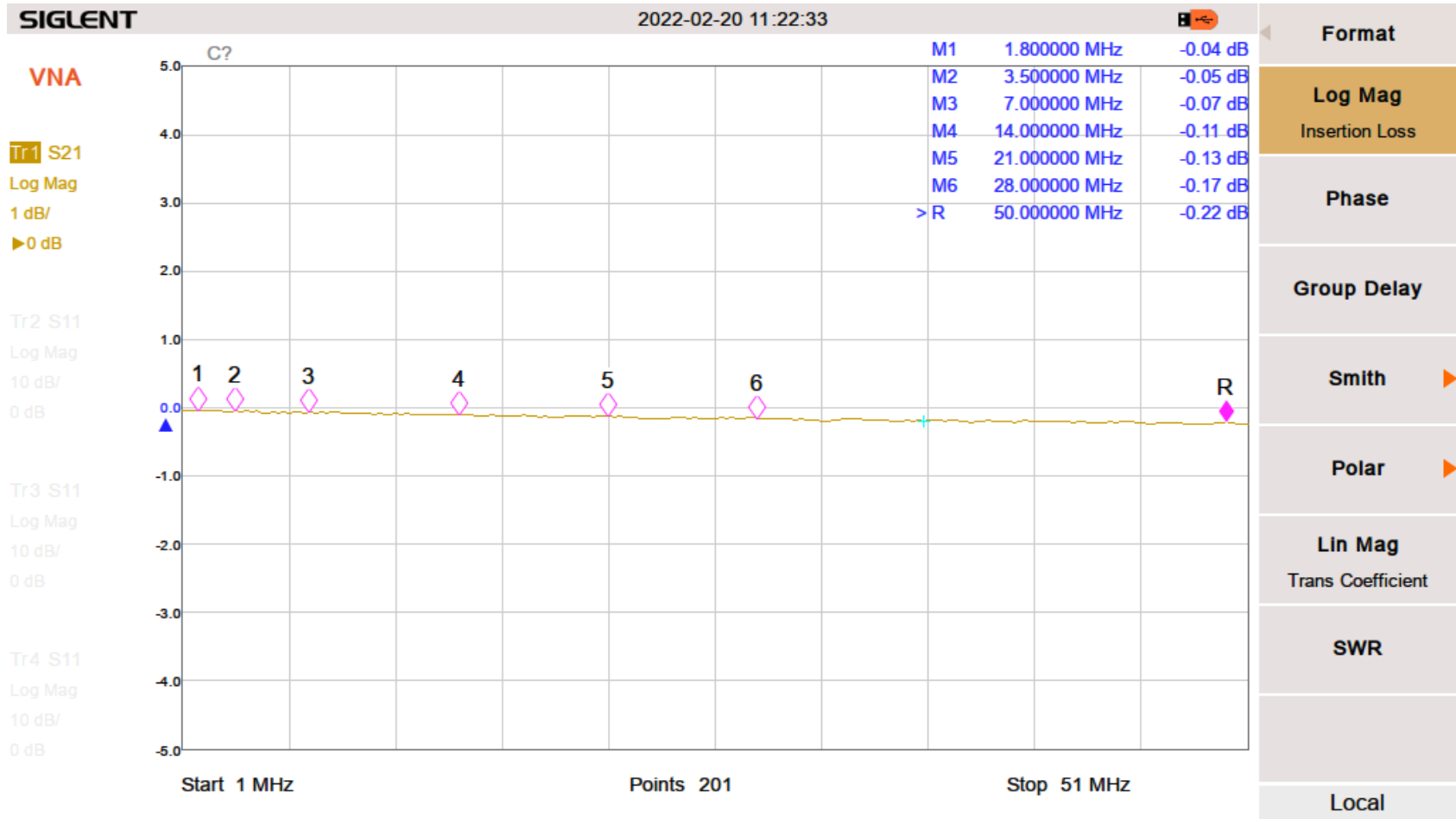


WE-SL2 – 51µH/744227 als Übertrager

Sperrdämpfung S21

Helmut – DL2AVH

Serba 6/2022

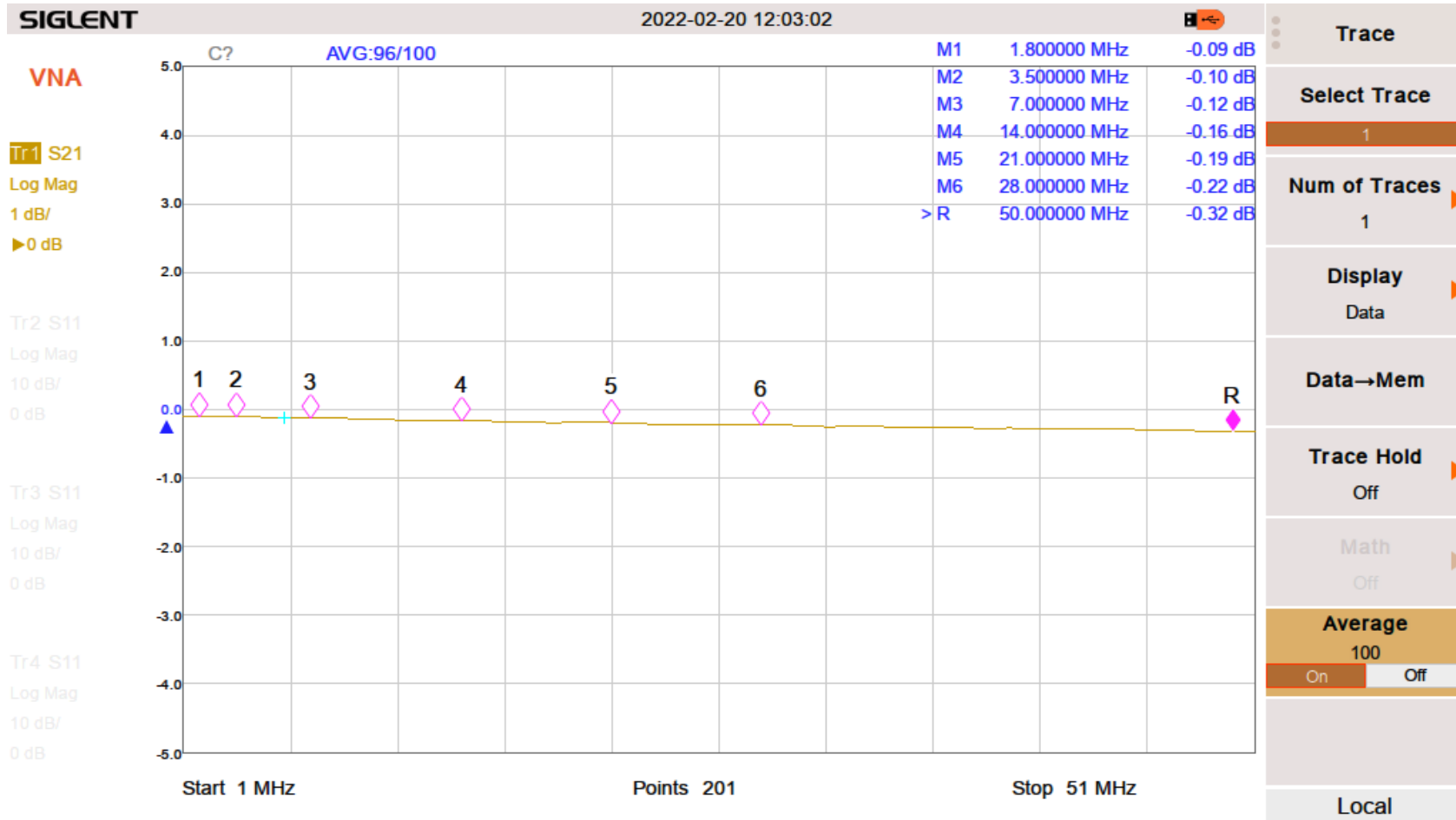


WE-SL2 – 1000 μ H/744222 als Balun

Übertragungsverluste S21

Helmut – DL2AVH

Serba 6/2022

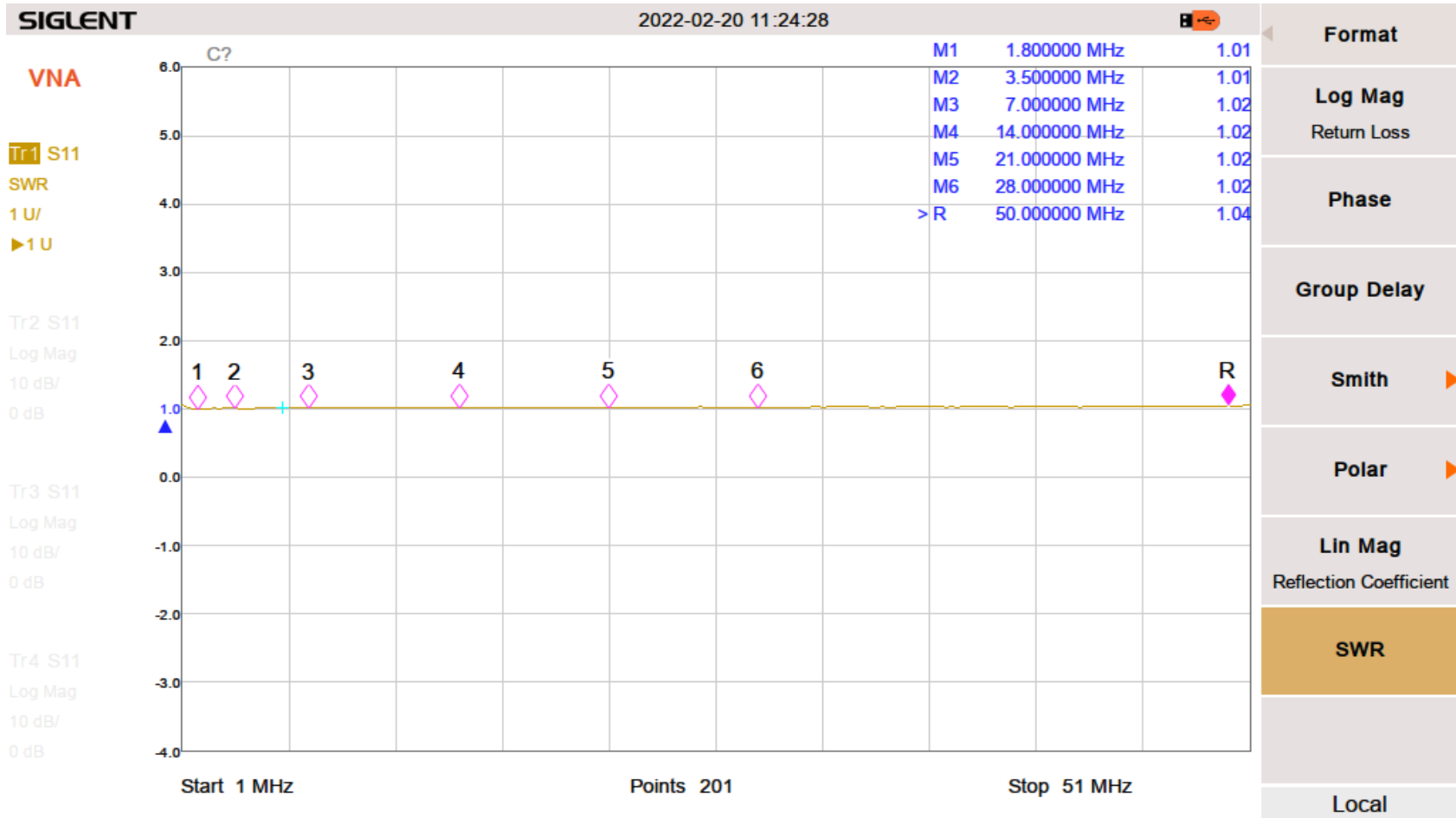


WE-SL2 – 1000µH/744222 als Übertrager

Übertragungsverluste S21

Helmut – DL2AVH

Serba 6/2022

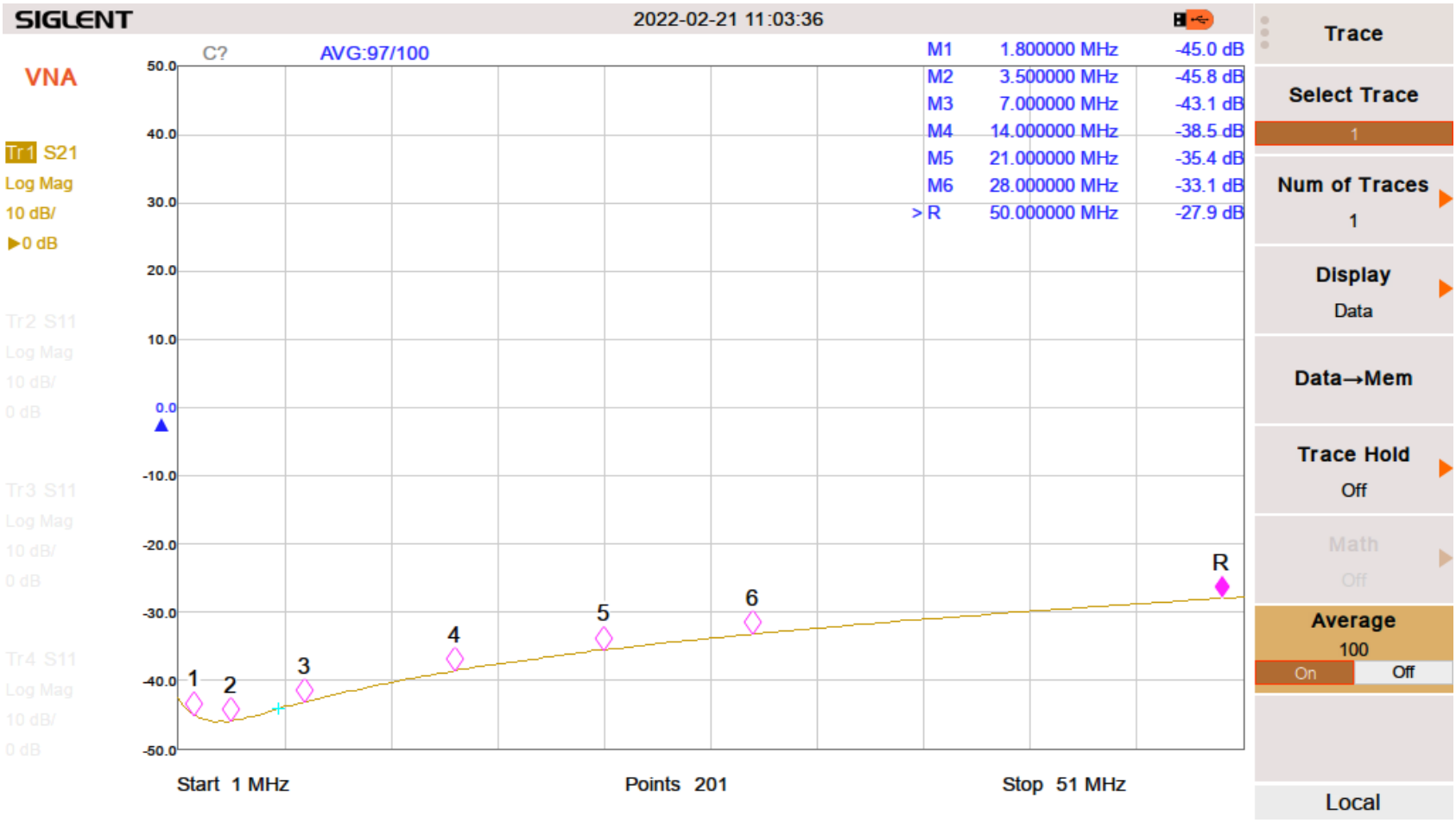


WE-SL2 – 1000µH/744222 als Balun

Prüfung SWR

Helmut – DL2AVH

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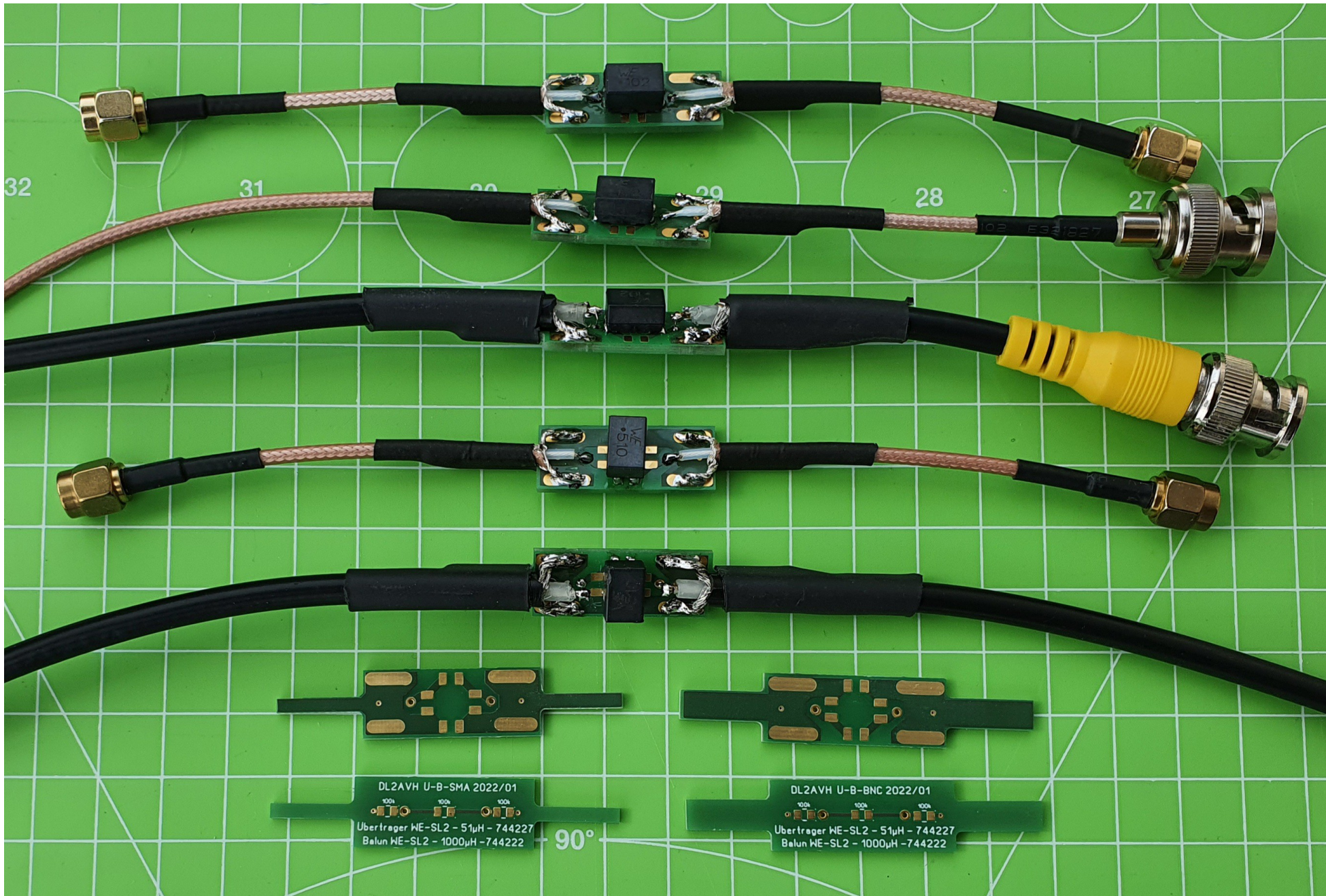


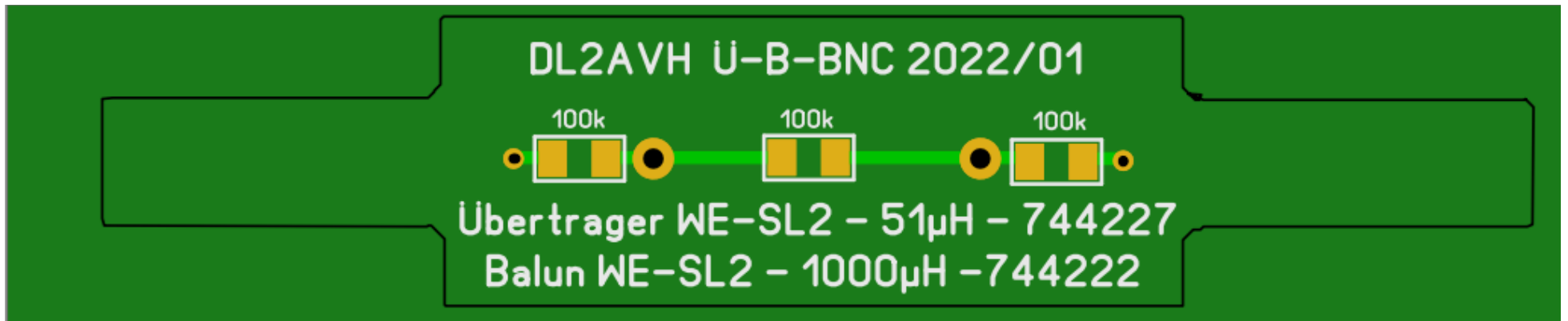
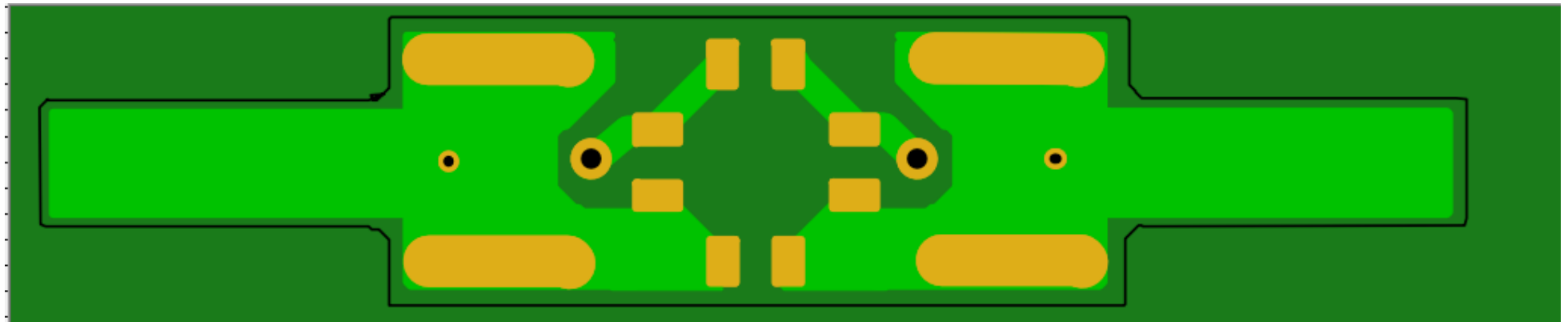
WE-SL2 – 1000µH/744222 als Balun

Sperrdämpfung S21

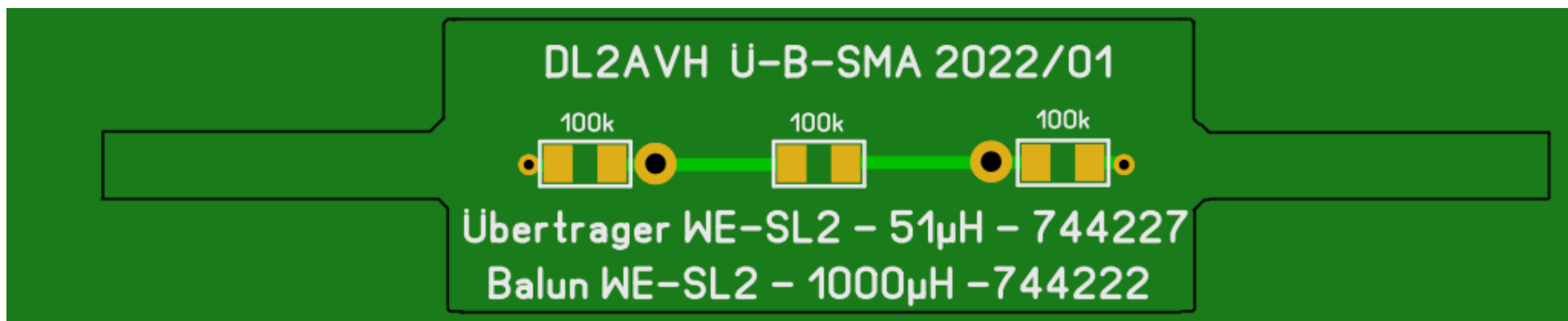
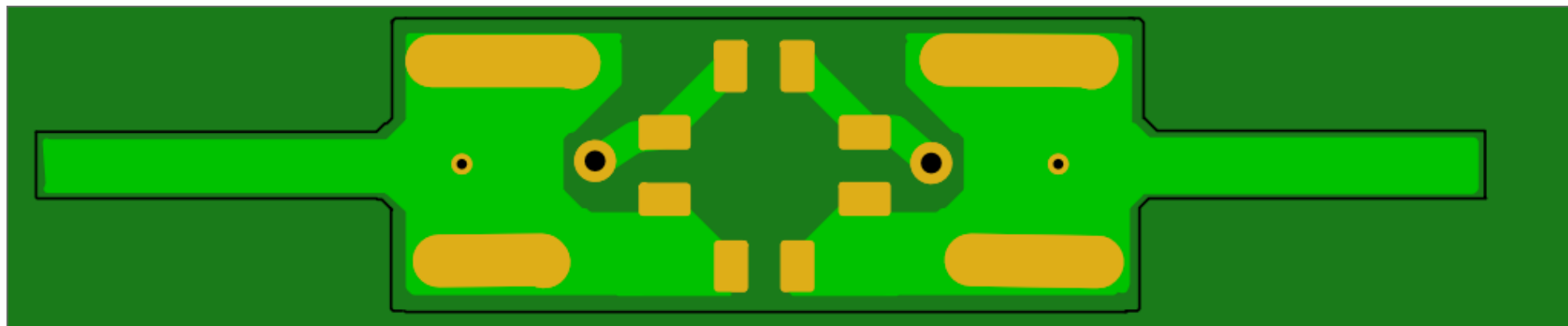
Helmut – DL2AVH

Serba 6/2022





Leiterplatte DL2AVH Ü-B-BNC 2022/01



Leiterplatte DL2AVH Ü-B-SMA 2022/01



Viel Erfolg beim Antennenbau – Antennen immer erdfrei speisen

Helmut – DL2AVH

Serba 6/2022