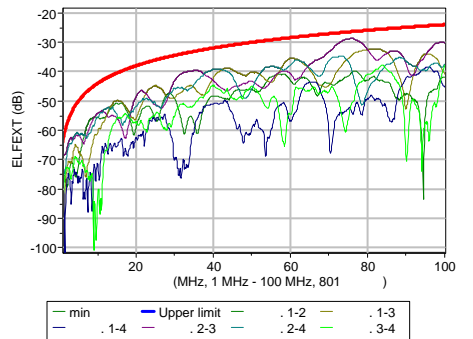
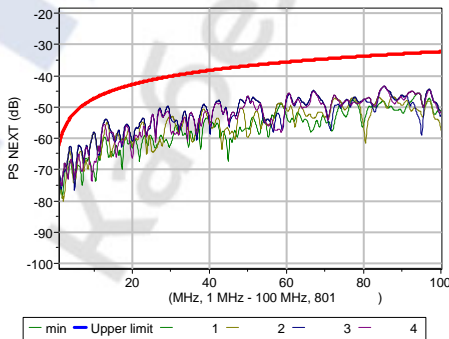
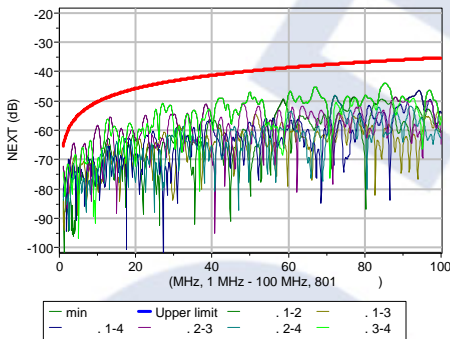
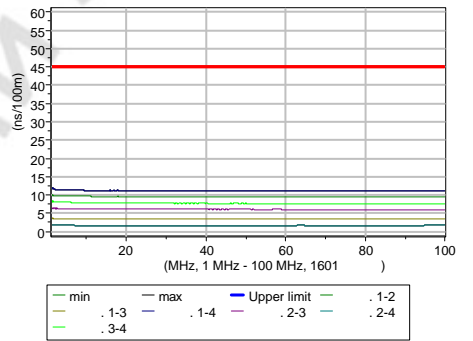
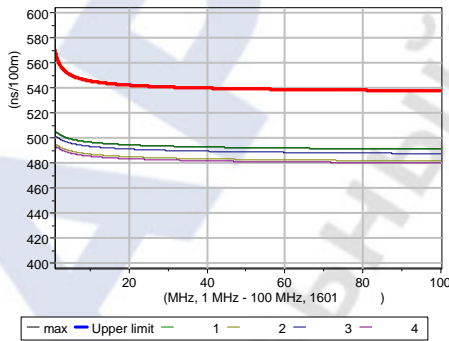
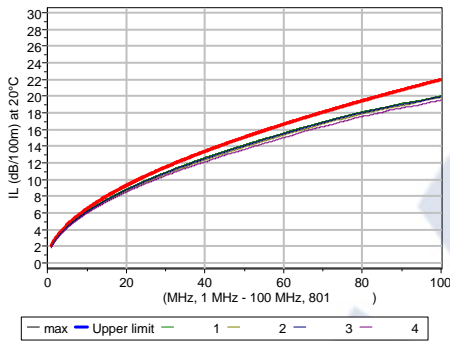
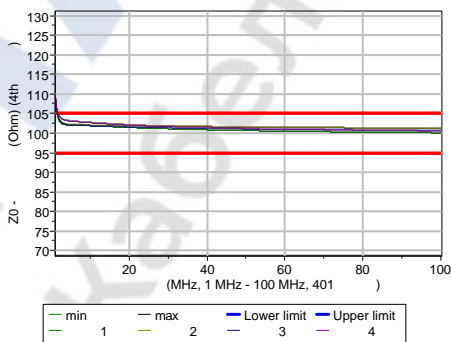
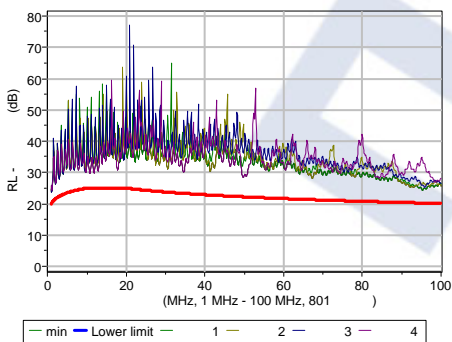
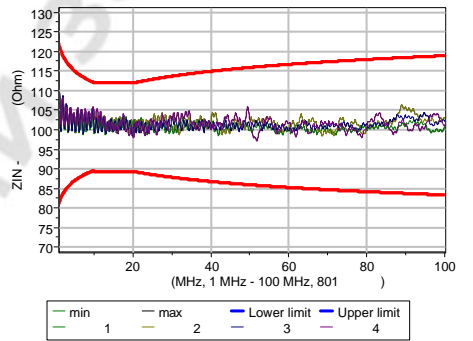
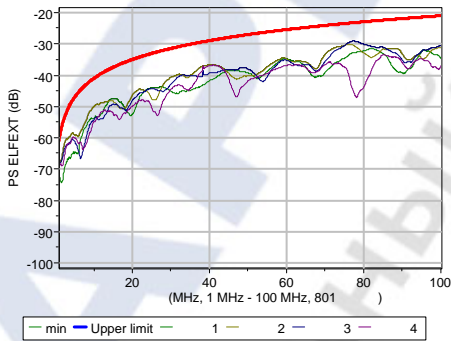
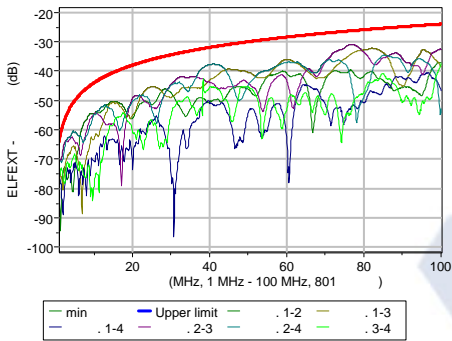
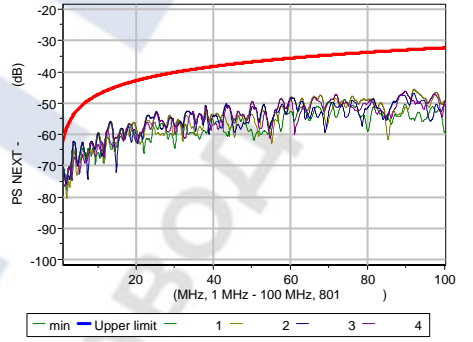
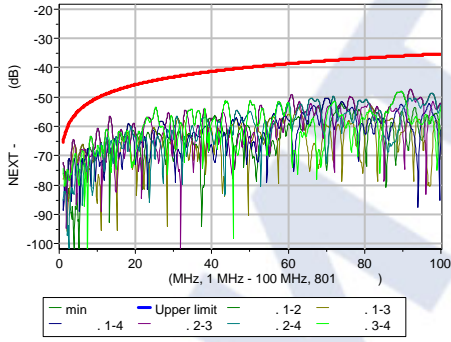
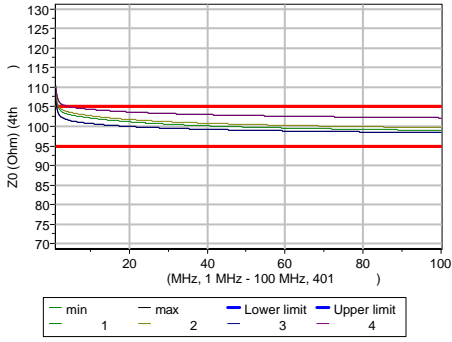
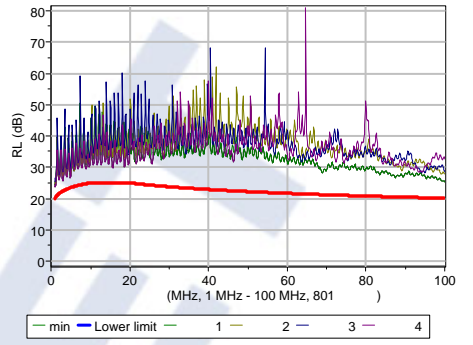
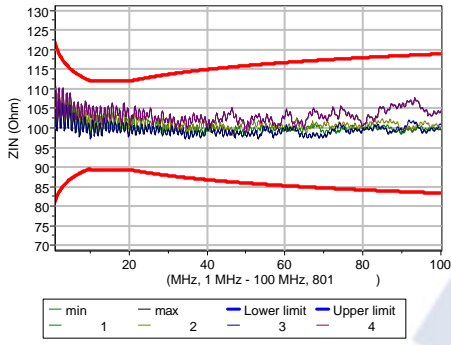
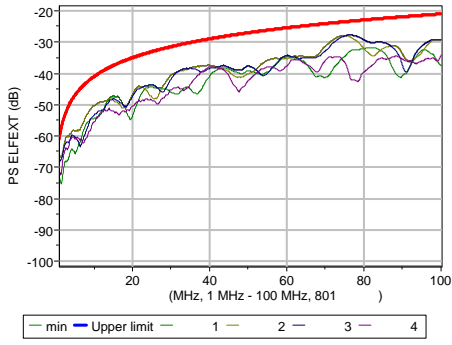


Units		Ra-b	R	D%	Ca-b	C	E
ULim	UL	Ohm	Ohm	%	nF	nF	pF
LLim	LL	9,50	19,00	2,000	5,60	160	
		5,00	10,00	-2,000	3,00	-160	

LF RCKE 1 kHz

No		Ra	Rb	R1	RD1%	Ca	Cb	C1	E
		Ohm	Ohm	Ohm	%	nF	nF	nF	pF
		/100m	/100m	/100m		/100m	/100m	/100m	/100m
1	1-	8,89	8,93	17,82	-0,210	6,75	6,73	5,04	29 ü
2	2-	8,74	8,72	17,46	0,060	6,60	6,61	4,90	-6 ü
3	3-	8,82	8,84	17,66	-0,076	6,74	6,73	5,00	11 ü
4	4-	8,72	8,69	17,41	0,143	6,58	6,59	4,87	-14 ü

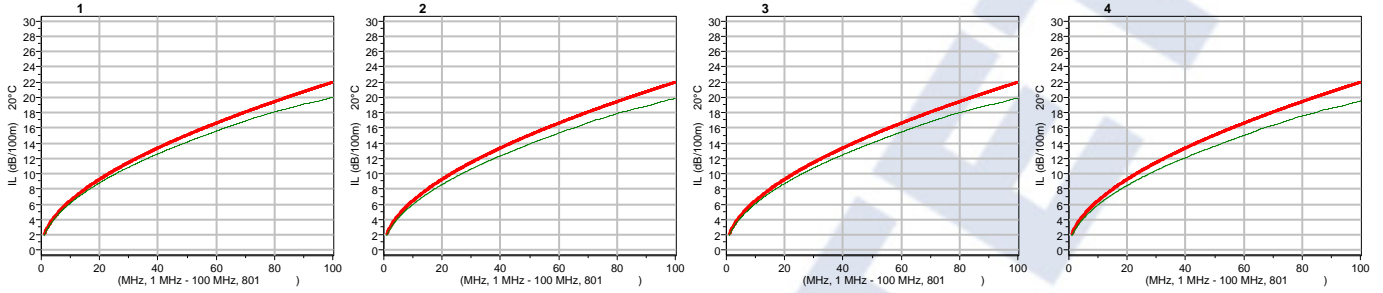




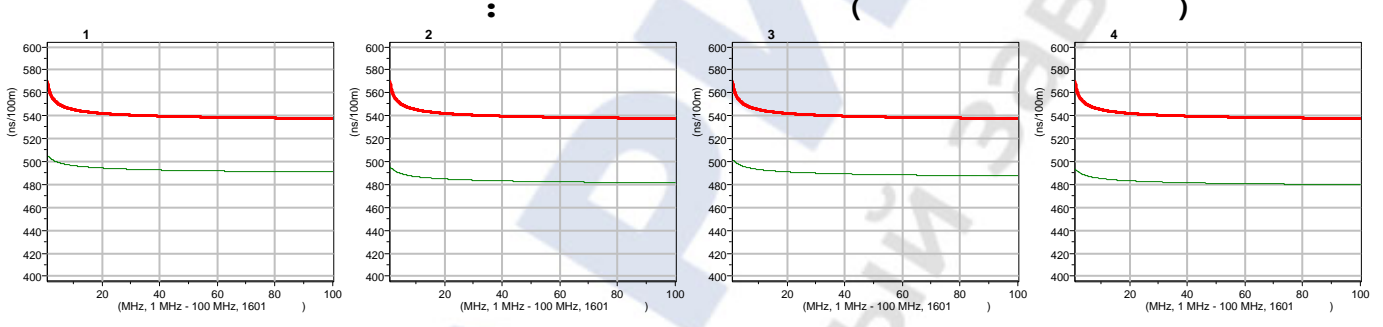
(IL)

{ v = . (dB/100m) 20°C l = (dB/100m) 20°C m = (dB/100m) 20°C f = (MHz) }

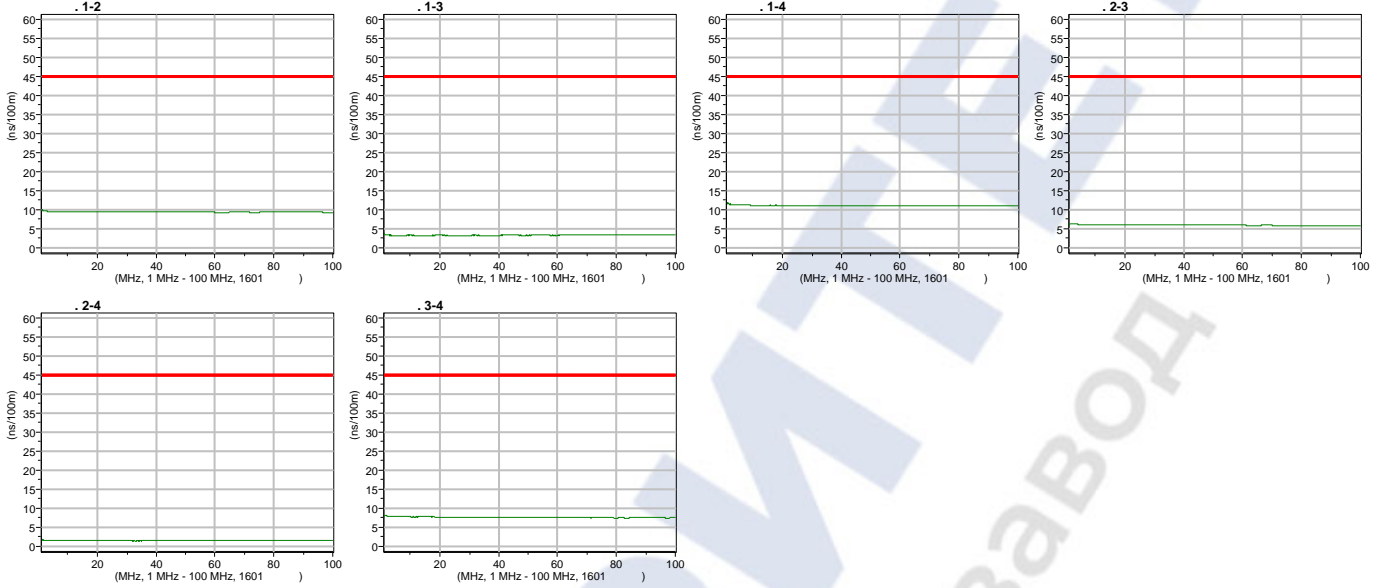
	f	f		{ v [f] }	{ v [f] }		{ m (v l) [f] }
1	1	100	801	1,92 [1]	20,04 [100]	.	0,17 (2,04 > 2,21) [1,124] ü
2	1	100	801	1,89 [1]	19,84 [100]	.	0,20 (2,01 > 2,21) [1,124] ü
3	1	100	801	1,89 [1]	19,87 [100]	.	0,20 (2,01 > 2,21) [1,124] ü
4	1	100	801	1,85 [1]	19,53 [100]	.	0,24 (1,96 > 2,21) [1,124] ü



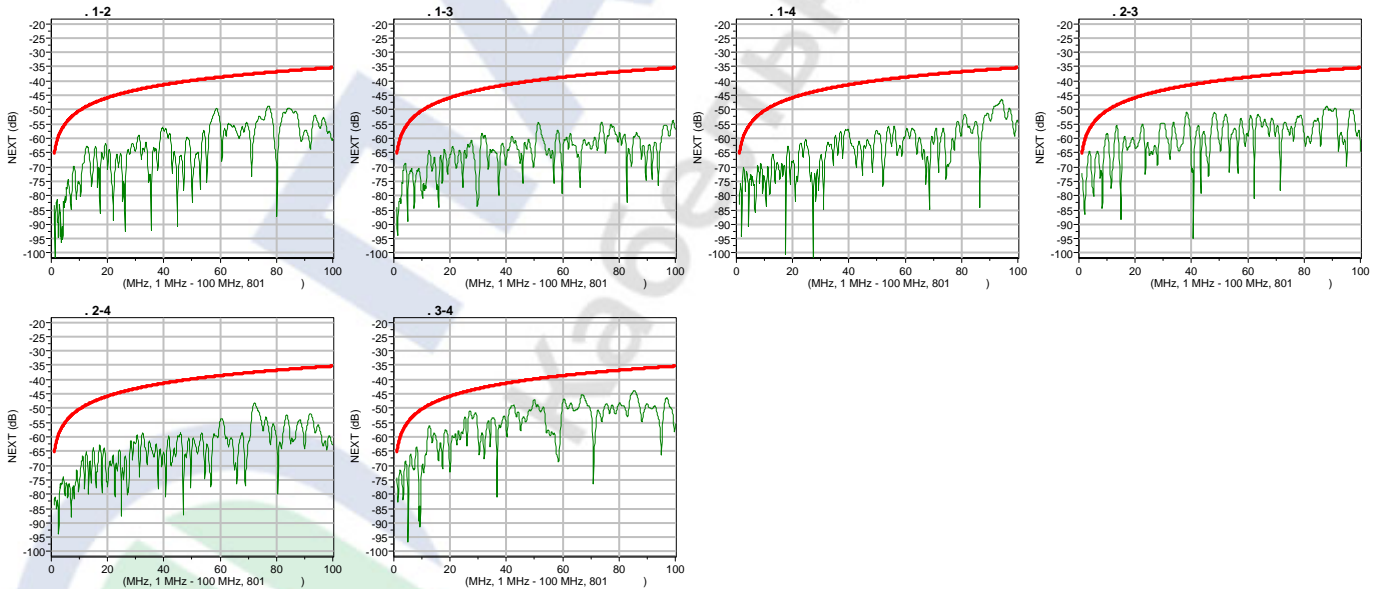
[MHz]		IL (dB/100m)										No.
	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	100,00	100,00	100,00	-
	1,00	3,97	10,03	15,97	20,06	31,20	62,50	100,00	100,00	100,00	100,00	-
	2,09	4,06	6,49	8,25	9,29	11,72	17,00	21,98	21,98	21,98	21,98	-
1	1,92	3,84	6,17	7,84	8,83	11,07	15,94	20,04	20,04	20,04	20,04	-
2	1,89	3,75	6,02	7,64	8,60	10,84	15,71	19,84	19,84	19,84	19,84	-
3	1,89	3,79	6,11	7,76	8,74	10,97	15,79	19,87	19,87	19,87	19,87	-
4	1,85	3,69	5,94	7,54	8,48	10,69	15,36	19,53	19,53	19,53	19,53	-



	$v =$	$l =$	$m =$	$f =$		
	(ns/100m)	(ns/100m)	(ns/100m)	(MHz)	$\{v\ [f]\}$	$\{m(v\ l)\ [f]\}$
1-2	1	100	1601	1601	9,37 [99,38]	35,04 (9,96 > 45,00) [1,495] ü
1-3	1	100	1601	1601	3,34 [37,44]	41,03 (3,97 > 45,00) [1,124] ü
1-4	1	100	1601	1601	11,01 [79,89]	33,15 (11,85 > 45,00) [1,124] ü
2-3	1	100	1601	1601	5,88 [99,5]	38,58 (6,42 > 45,00) [1,557] ü
2-4	1	100	1601	1601	1,55 [34,16]	43,08 (1,92 > 45,00) [1,309] ü
3-4	1	100	1601	1601	7,58 [96,97]	36,66 (8,34 > 45,00) [1,309] ü



	$v =$	$l =$	$m =$	$f =$		
	(dB)	(dB)	(dB)	(MHz)	$\{v\ [f]\}$	$\{m(v\ l)\ [f]\}$
1-2	1	100	801	801	48,73 [77,23]	10,69 (49,47 < 38,77) [58,67] ü
1-3	1	100	801	801	53,81 [99,13]	12,43 (68,75 < 56,32) [3,97] ü
1-4	1	100	801	801	46,52 [94,18]	10,69 (70,06 < 59,37) [2,485] ü
2-3	1	100	801	801	48,67 [88]	6,96 (72,26 < 65,30) [1] ü
2-4	1	100	801	801	48,21 [72,28]	10,80 (48,21 < 37,41) [72,28] ü
3-4	1	100	801	801	43,82 [85,4]	7,14 (46,97 < 39,83) [49,88] ü

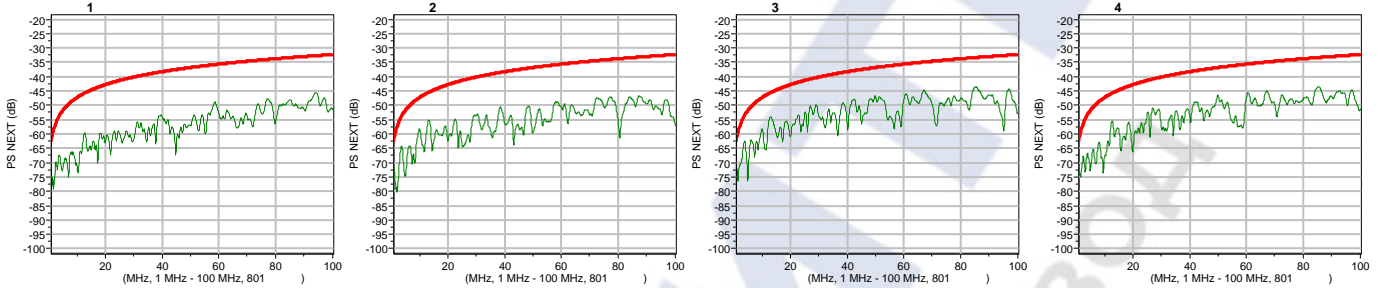


[MHz]	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	No.
[MHz]	1,00	3,97	10,03	15,97	20,06	31,20	62,50	100,00	.
.	65,30	56,32	50,28	47,25	45,77	42,89	38,36	35,30	.
. 1-2	83,42	95,27	75,59	64,46	70,88	59,00	56,55	60,10	-
. 1-3	84,21	68,75	79,63	80,04	65,74	58,70	58,51	56,74	-
. 1-4	82,93	74,22	74,37	69,14	68,38	73,40	56,41	54,29	-
. 2-3	72,26	65,19	58,41	59,92	63,42	59,87	63,45	64,67	-
. 2-4	83,76	75,07	74,89	74,02	77,52	71,22	60,66	62,66	-
. 3-4	74,44	68,72	70,03	66,89	71,50	59,00	48,96	55,32	-

NEXT (PS NEXT)

{ v = . (dB) / = (dB) m = (dB) f = (MHz) }

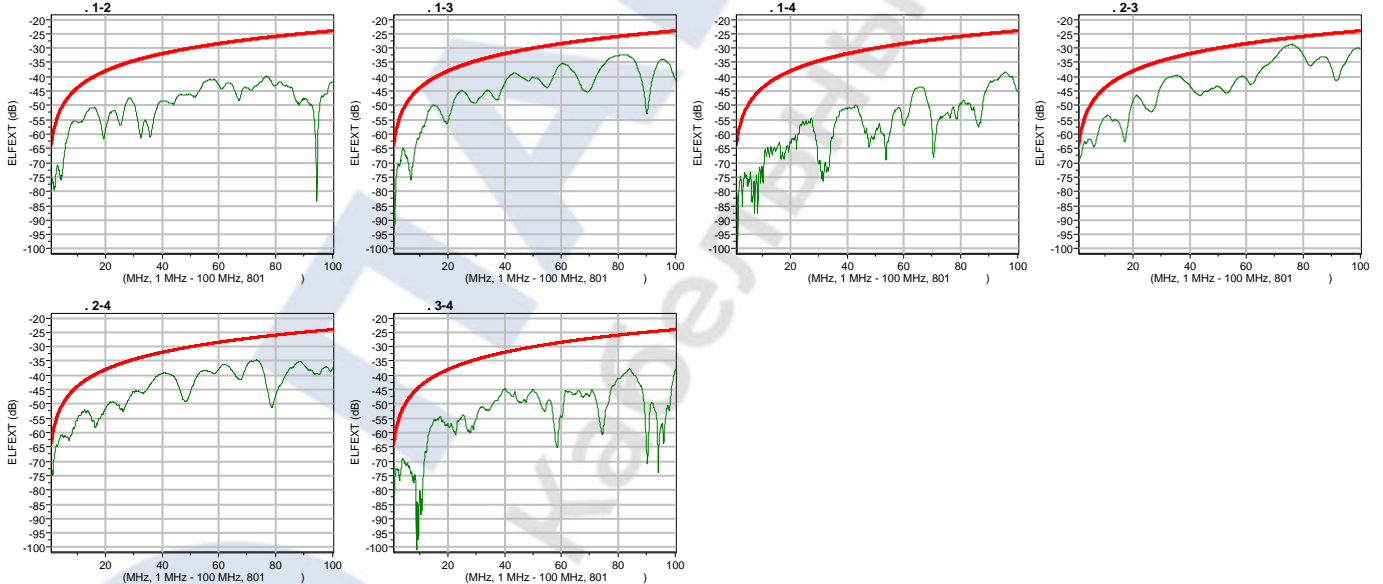
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1	1	100	801	45,60 [94,18]	79,21 [1,866]	12,91 (45,60 < 32,69) [94,18]	ü
2	1	100	801	46,85 [87,25]	80,27 [2,114]	9,37 (71,67 < 62,30) [1]	ü
3	1	100	801	43,40 [85,27]	76,60 [4,96]	7,74 (70,04 < 62,30) [1]	ü
4	1	100	801	43,40 [85,4]	74,95 [1,742]	9,68 (46,51 < 36,83) [49,88]	ü



FEXT (ELFEXT)

{ v = . (dB) / = (dB) m = (dB) f = (MHz) }

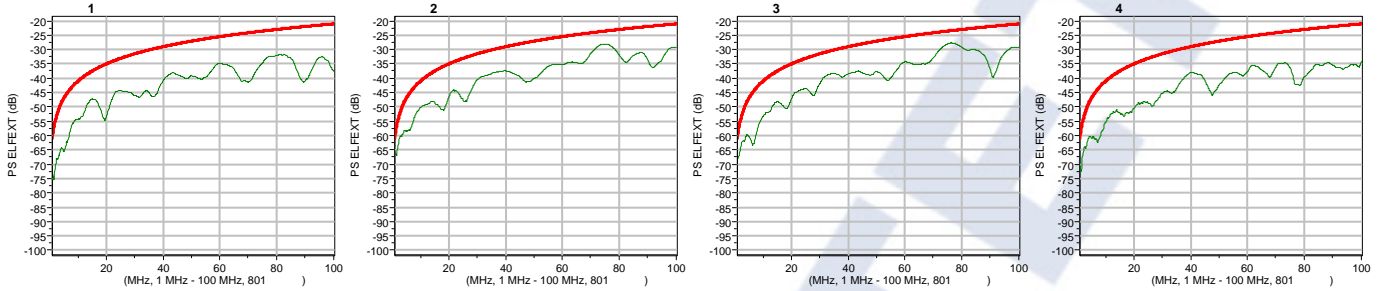
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1-2	1	100	801	39,82 [76,49]	83,55 [94,43]	10,16 (50,80 < 40,63) [14,74]	ü
1-3	1	100	801	32,21 [82,67]	91,38 [1,371]	6,44 (32,28 < 25,84) [80,94]	ü
1-4	1	100	801	38,39 [95,92]	101,77 [1,495]	13,69 (77,69 < 64,00) [1]	ü
2-3	1	100	801	28,71 [75,99]	68,68 [1,124]	2,33 (28,71 < 26,38) [75,99]	ü
2-4	1	100	801	34,65 [73,39]	75,05 [1,495]	7,27 (39,26 < 31,99) [39,86]	ü
3-4	1	100	801	37,74 [83,79]	100,96 [9,044]	12,20 (37,74 < 25,54) [83,79]	ü



ELFEXT (PS ELFEXT)

{ v = . (dB) l = (dB) m = (dB) f = (MHz) }

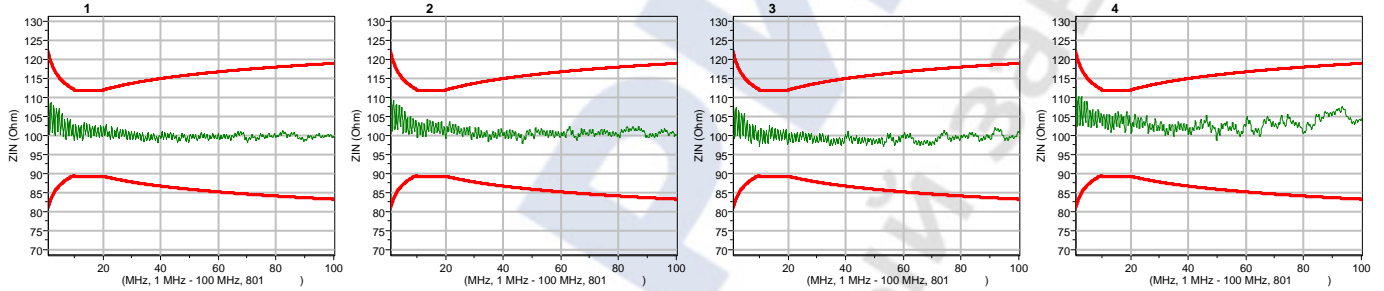
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	31,72 [81,07]	75,49 [1,495]	8,90 (31,72 < 22,82) [81,07] ù
2	1	100	801	28,02 [75]	66,84 [1,619]	4,46 (28,06 < 23,60) [74,14] ù
3	1	100	801	27,62 [76,12]	68,42 [1,124]	4,25 (27,63 < 23,38) [75,99] ù
4	1	100	801	34,23 [100]	72,57 [1,371]	8,99 (37,98 < 28,99) [39,86] ù



(ZIN)

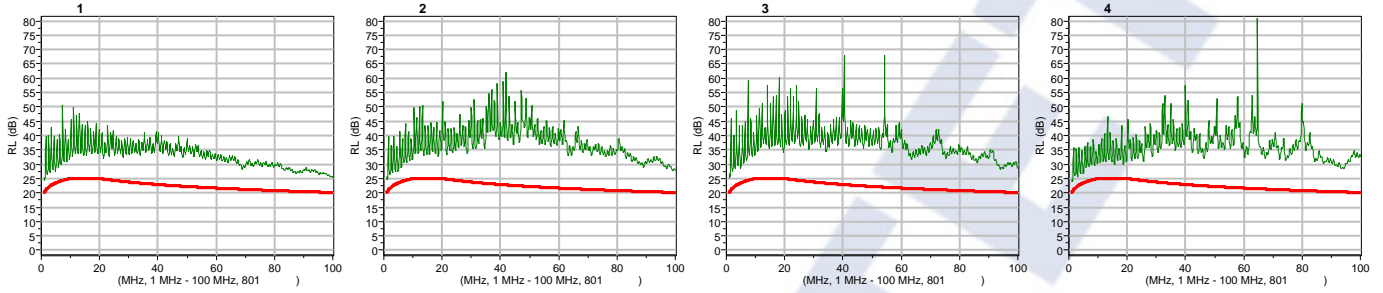
{ v = . (Ohm) l = (Ohm) m = (Ohm) f = (MHz) }

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	98,06 [38,99]	110,65 [1]	8,07 (107,20 > 115,27) [4,712] ù
2	1	100	801	98,00 [46,66]	110,43 [1]	7,64 (104,28 > 111,92) [13,62] ù
3	1	100	801	97,15 [10,03]	108,96 [1]	7,80 (97,15 < 89,35) [10,03] ù
4	1	100	801	98,63 [49,88]	111,95 [1,124]	5,51 (106,41 > 111,92) [15,6] ù



{ v = . (dB) l = (dB) m = (dB) f = (MHz) } (RL)

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	24,41 [1,124]	50,63 [7,311]	4,15 (27,57 < 23,42) [4,836] ü
2	1	100	801	24,58 [1,124]	62,13 [41,96]	4,07 (27,55 < 23,48) [4,96] ü
3	1	100	801	25,32 [1,124]	68,14 [40,48]	5,06 (28,54 < 23,48) [4,96] ü
4	1	100	801	23,75 [1,124]	80,98 [64,73]	3,10 (26,57 < 23,48) [4,96] ü

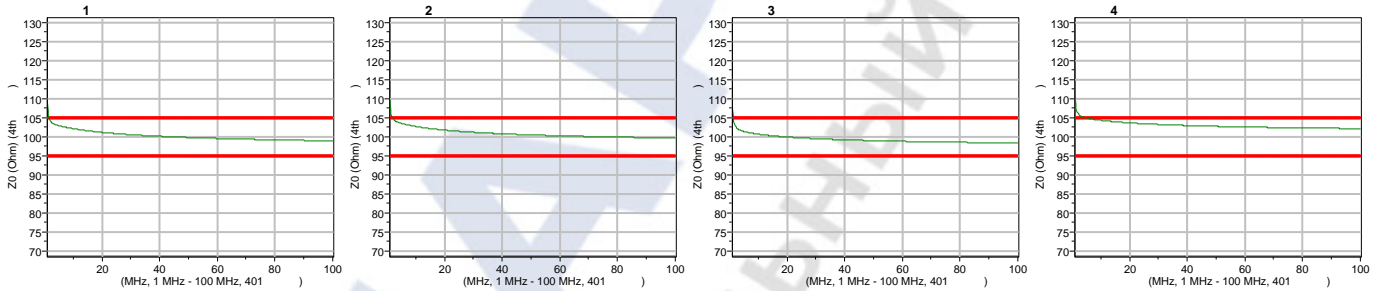


Intervals: { v = . l = m = f = (MHz) <= . ZIN (Ohm) >= . }

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	4,09 - 100,00	776		98,06 [38,99]	107,20 [4,71]	100,12 8,07 (107,20 > 115,27) [4,71] 0 ü
2	4,09 - 100,00	776		98,00 [46,66]	107,42 [4,84]	100,94 7,64 (104,28 > 111,92) [13,62] 0 ü
3	4,09 - 100,00	776		97,15 [10,03]	105,83 [4,84]	99,45 7,80 (97,15 < 89,35) [10,03] 0 ü
4	4,09 - 100,00	776		98,63 [49,88]	109,02 [4,84]	103,18 5,51 (106,41 > 111,92) [15,60] 0 ü

{ v = . (Ohm) l = (Ohm) m = (Ohm) f = (MHz) } (Z0 (4th Order))

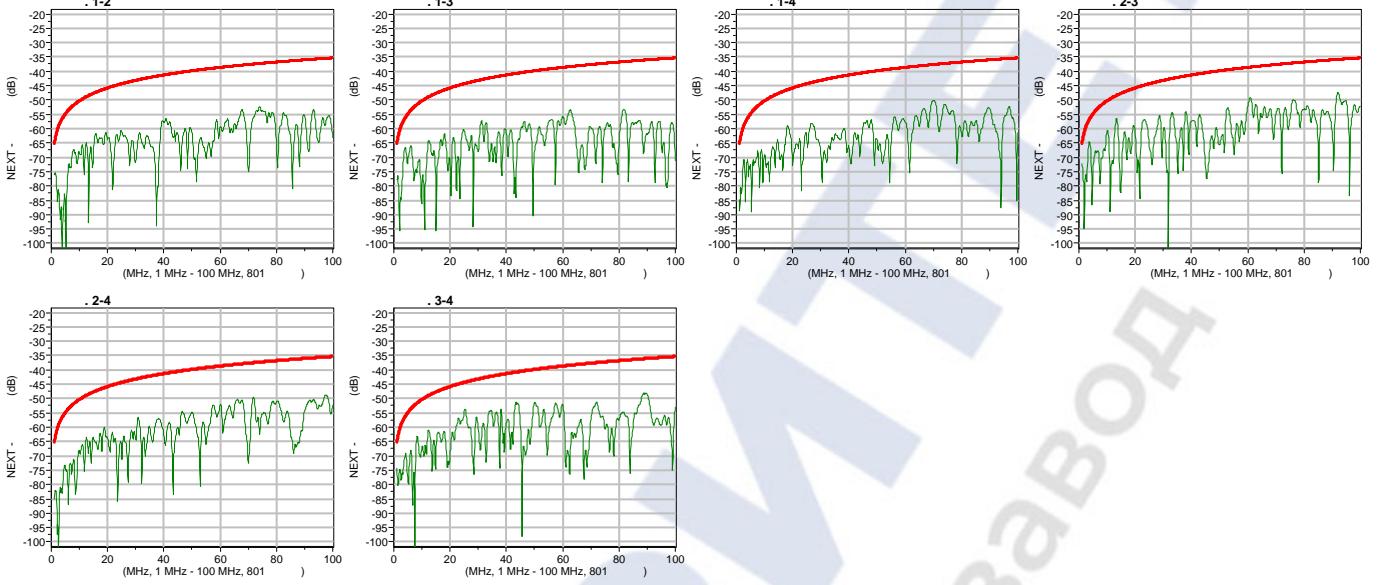
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	401	98,96 [100]	109,54 [1]	ü
2	1	100	401	99,70 [100]	109,45 [1]	ü
3	1	100	401	98,40 [100]	107,70 [1]	ü
4	1	100	401	102,17 [100]	110,94 [1]	ü



	[MHz]		Z0 (Ohm)						No.	
			1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00
			1,00	3,97	9,91	16,10	20,06	31,20	62,38	100,00
1			109,54	103,17	102,17	101,50	101,17	100,52	99,54	98,96
2			109,45	103,79	102,74	102,08	101,77	101,14	100,24	99,70
3			107,70	101,67	100,72	100,20	99,96	99,49	98,80	98,40
4			110,94	105,13	104,35	103,89	103,67	103,22	102,56	102,17

{ v = (dB) l = (dB) m = (dB) f = (MHz) } (NEXT -)

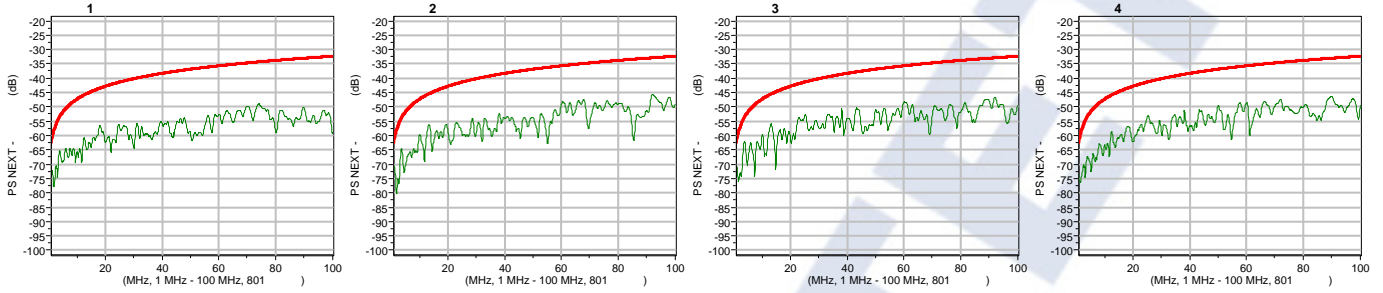
	f	f		{ v [f] }	{ v [f] }		{ m (v l) [f] }
1-2	1	100	801	52,29 [74,01]	109,14 [5,207]		10,61 (75,91 < 65,30) [1] ü
1-3	1	100	801	53,21 [81,56]	95,73 [1,99]		10,37 (66,89 < 56,52) [3,846] ü
1-4	1	100	801	50,32 [70,05]	89,07 [5,331]		11,88 (70,93 < 59,05) [2,609] ü
2-3	1	100	801	47,44 [92,08]	103,63 [31,81]		6,81 (72,11 < 65,30) [1] ü
2-4	1	100	801	48,64 [97,4]	103,55 [2,609]		12,20 (49,66 < 37,46) [71,78] ü
3-4	1	100	801	48,10 [89,6]	112,68 [7,435]		8,95 (74,25 < 65,30) [1] ü



[MHz]	[MHz]	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	No.
		1,00	3,97	10,03	15,97	20,06	31,20	62,50	100,00	
1-2		65,30	56,32	50,28	47,25	45,77	42,89	38,36	35,30	
1-3		75,91	95,06	68,62	62,22	63,51	61,61	56,81	63,29	-
1-4		77,95	66,81	80,10	68,64	72,33	57,32	53,61	71,35	-
2-3		84,82	70,76	69,05	68,98	72,79	67,84	61,44	61,41	-
2-4		72,11	65,72	60,84	61,88	62,06	74,70	52,68	52,40	-
3-4		85,14	81,77	68,68	65,37	63,74	57,89	54,11	52,37	-
		74,25	70,31	66,63	62,00	68,42	63,10	76,41	53,08	-

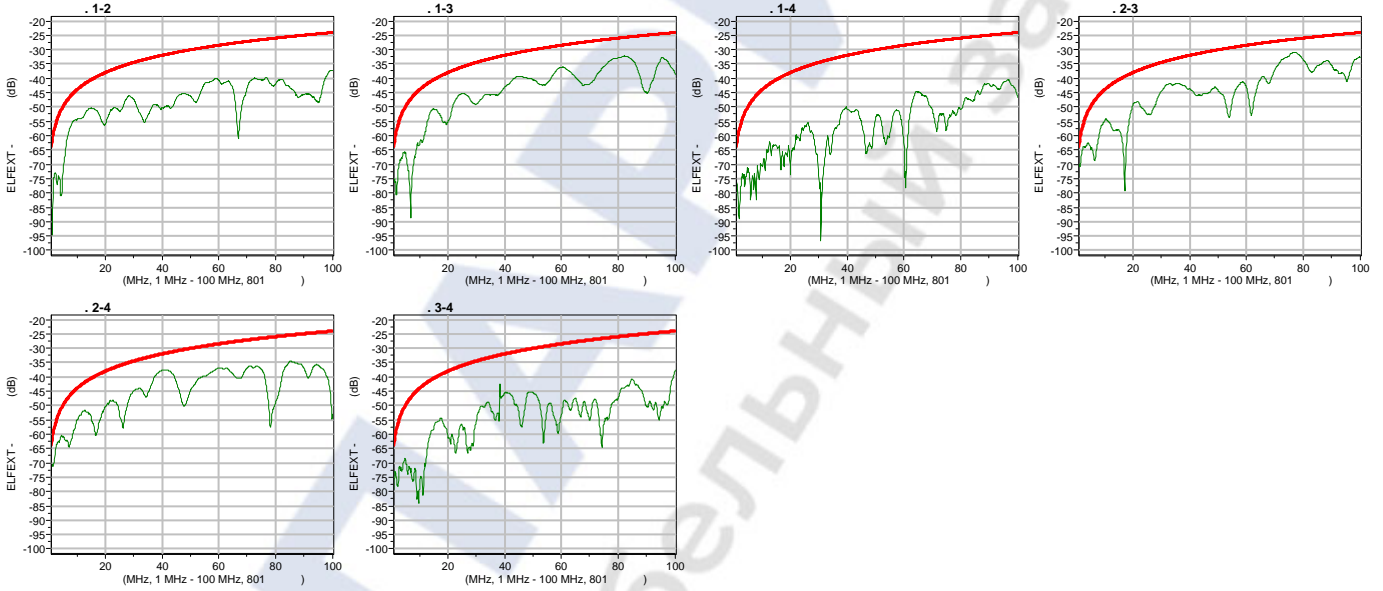
NEXT - (PS NEXT -)
{ v = . (dB) / = (dB) m = (dB) f = (MHz) }

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	48,86 [74,01]	77,98 [1,99]	11,17 (73,47 < 62,30) [1] ü
2	1	100	801	45,60 [92,08]	80,44 [1,99]	8,15 (70,45 < 62,30) [1] ü
3	1	100	801	46,80 [91,96]	76,09 [1,742]	7,09 (69,39 < 62,30) [1] ü
4	1	100	801	46,30 [89,73]	76,59 [1,495]	11,27 (73,57 < 62,30) [1] ü



FEXT - (ELFEXT -)
{ v = . (dB) / = (dB) m = (dB) f = (MHz) }

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1-2	1	100	801	37,11 [99,5]	94,54 [1,371]	9,58 (54,69 < 45,11) [8,796] ü
1-3	1	100	801	32,20 [82,18]	88,80 [6,94]	6,48 (32,24 < 25,76) [81,68] ü
1-4	1	100	801	40,45 [96,53]	96,54 [30,7]	11,28 (75,28 < 64,00) [1] ü
2-3	1	100	801	30,91 [77,23]	79,10 [17,21]	4,64 (30,94 < 26,30) [76,73] ü
2-4	1	100	801	34,55 [85,27]	71,20 [1,619]	5,71 (37,67 < 31,96) [39,98] ü
3-4	1	100	801	37,58 [100]	84,18 [9,662]	10,21 (42,53 < 32,32) [38,37] ü



ELFEXT (PS ELFEXT)

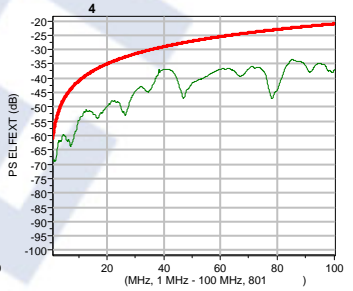
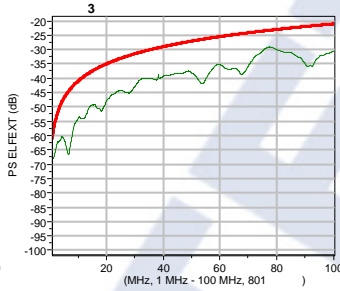
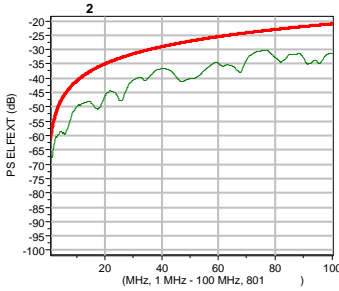
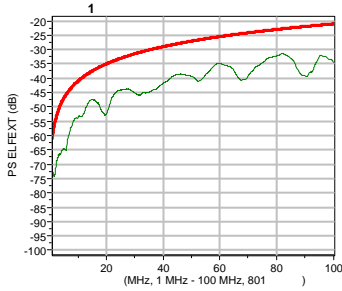
{ v = . (dB) l = (dB) m = (dB) f = (MHz) }

	f	f	f
1	1	100	801
2	1	100	801
3	1	100	801
4	1	100	801

{ v [ff]
31,45 [82,06]
30,12 [76,12]
29,06 [77,35]
33,40 [85,27]

{ v [ff]
74,31 [1,619]
67,65 [1,371]
68,43 [1]
69,18 [1]

{ m (v l) [ff]	
8,71 (31,47 < 22,76) [81,68]	ü
6,02 (67,02 < 61,00) [1]	ü
5,83 (29,06 < 23,23) [77,35]	ü
7,78 (37,10 < 29,32) [38,37]	ü



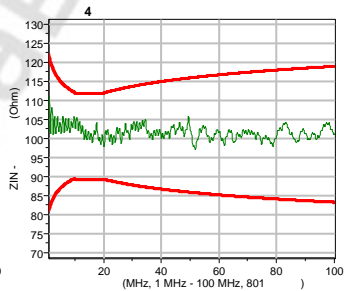
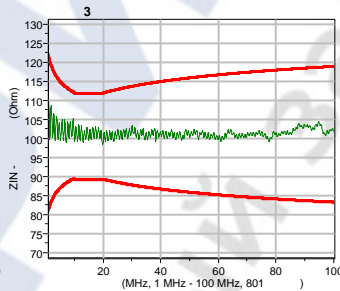
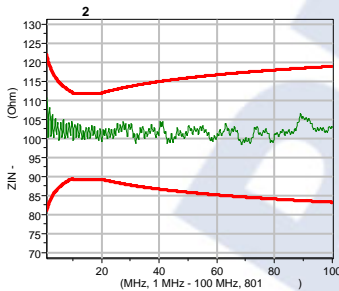
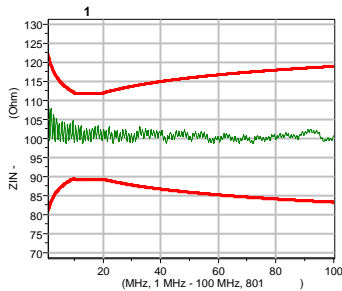
(ZIN -)
{ v = . (Ohm) l = (Ohm) m = (Ohm) f = (MHz) }

	f	f	f
1	1	100	801
2	1	100	801
3	1	100	801
4	1	100	801

{ v [ff]
98,57 [41,96]
98,34 [68,57]
98,42 [19,81]
97,17 [51,74]

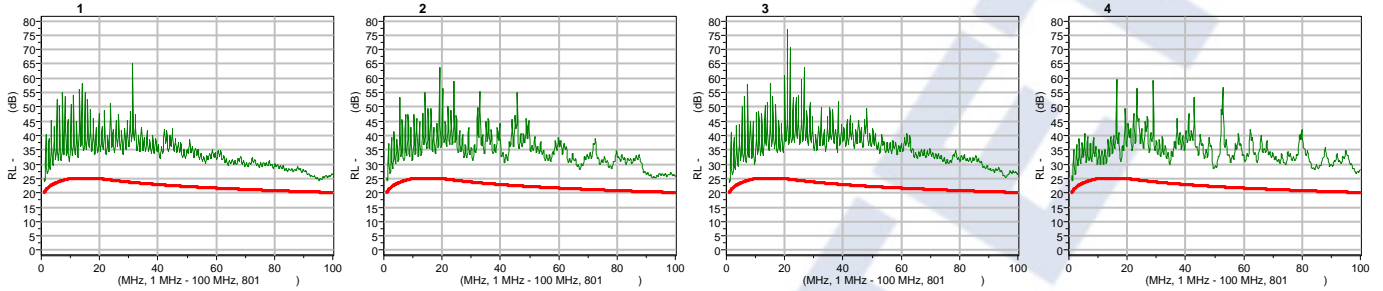
{ v [ff]
111,08 [1]
110,81 [1,124]
111,53 [1]
111,03 [1,124]

{ m (v l) [ff]	
7,55 (104,66 > 112,21) [9,539]	ü
7,58 (104,56 > 112,15) [9,662]	ü
6,84 (105,37 > 112,21) [9,539]	ü
6,32 (105,77 > 112,09) [9,786]	ü



RL -
{ v = . (dB) l = (dB) m = (dB) f = (MHz) }

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	23,84 [1,124]	65,07 [31,44]	3,59 (23,84 < 20,25) [1,124] ü
2	1	100	801	24,10 [1,124]	63,77 [19,19]	3,82 (24,30 < 20,48) [1,247] ü
3	1	100	801	23,63 [1,124]	76,99 [20,92]	3,38 (23,63 < 20,25) [1,124] ü
4	1	100	801	24,36 [1,124]	59,54 [16,34]	3,89 (24,37 < 20,48) [1,247] ü



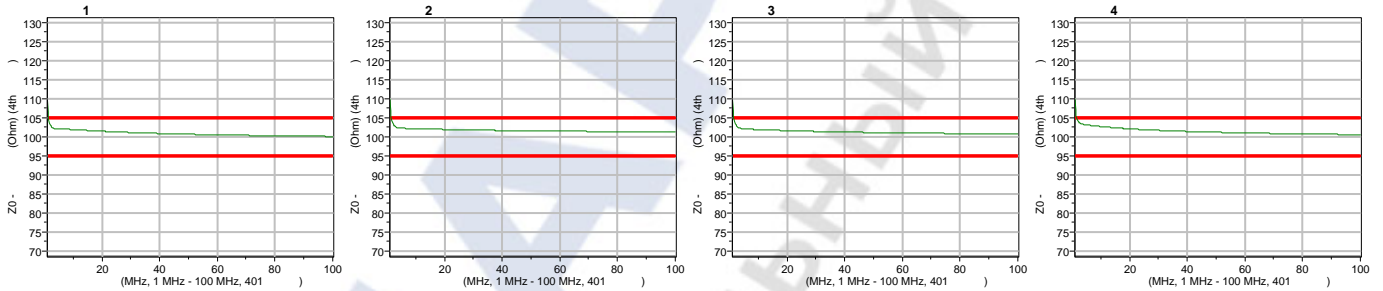
Intervals: { v = . l = m = f = (MHz) } **ZIN - (Ohm)** { m (v l) [f] }

4 - 100 MHz

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	4,09 - 100,00	776		98,57 [41,96]	104,66 [9,54]	100,72 7,55 (104,66 > 112,21) [9,54] 0 ü
2	4,09 - 100,00	776		98,34 [68,57]	106,49 [88,99]	101,76 7,58 (104,56 > 112,15) [9,66] 0 ü
3	4,09 - 100,00	776		98,42 [19,81]	105,37 [9,54]	101,36 6,84 (105,37 > 112,21) [9,54] 0 ü
4	4,09 - 100,00	776		97,17 [51,74]	105,84 [49,39]	101,49 6,32 (105,77 > 112,09) [9,79] 0 ü

Z0 - (4th Order)
{ v = . (Ohm) l = (Ohm) m = (Ohm) f = (MHz) }

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	401	100,11 [100]	110,30 [1]	ü
2	1	100	401	101,29 [100]	110,02 [1]	ü
3	1	100	401	100,76 [100]	110,32 [1]	ü
4	1	100	401	100,59 [100]	110,06 [1]	ü



	[MHz]	[MHz]		Z0 - (Ohm)					No.
1	1,00	1,00		100,11	110,30	100,00	100,00		-
2	110,30	102,14		101,92	101,64	101,48	101,11	100,50	100,11
3	110,02	102,38		102,15	102,02	101,95	101,78	101,49	101,29
4	110,32	102,20		101,92	101,74	101,64	101,40	101,01	100,76
4	110,06	103,26		102,72	102,32	102,11	101,68	101,00	100,59