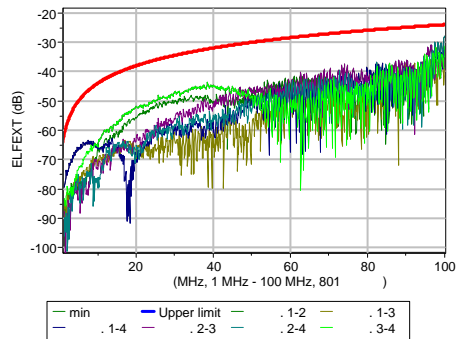
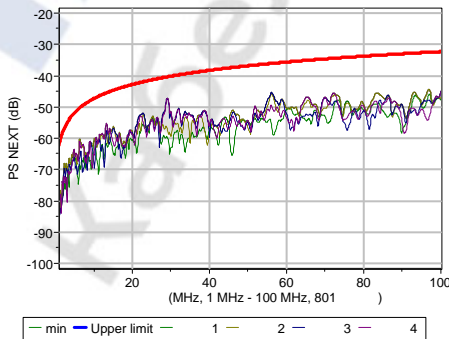
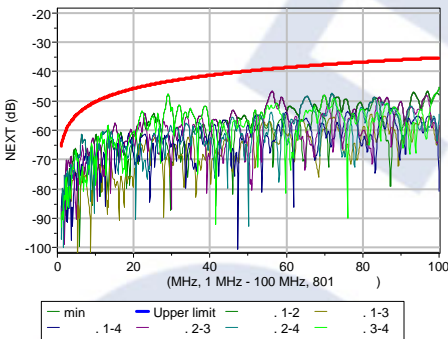
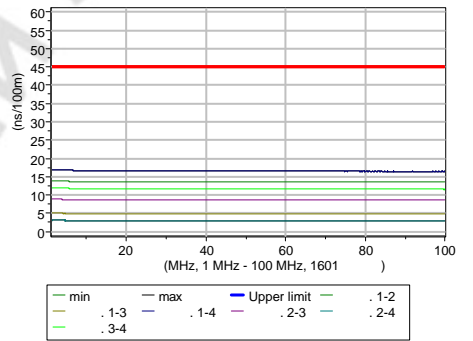
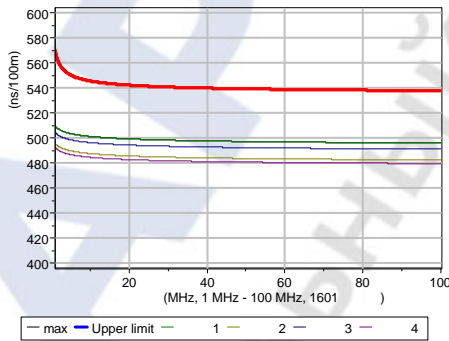
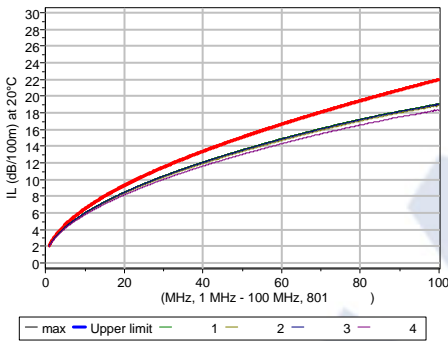
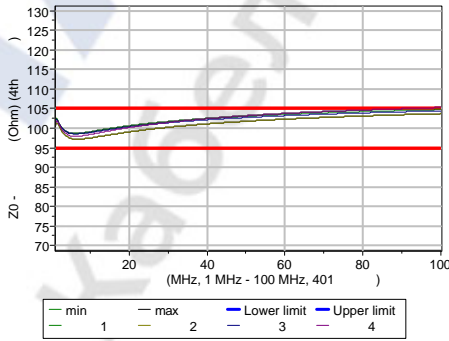
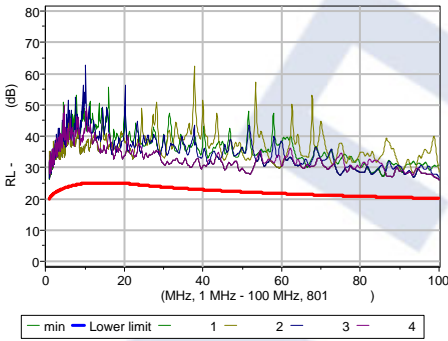
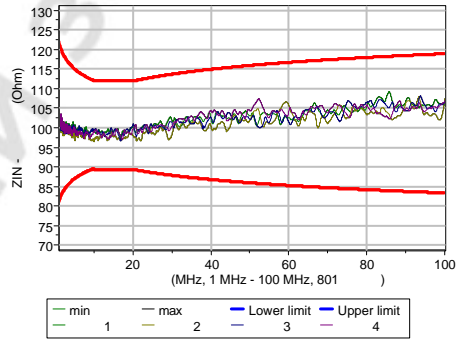
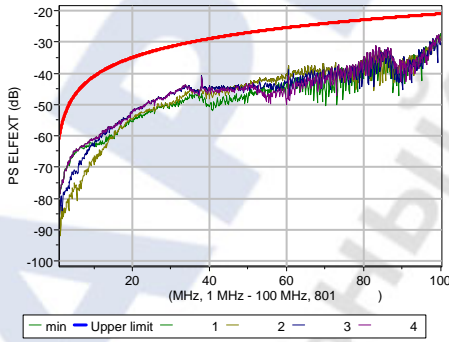
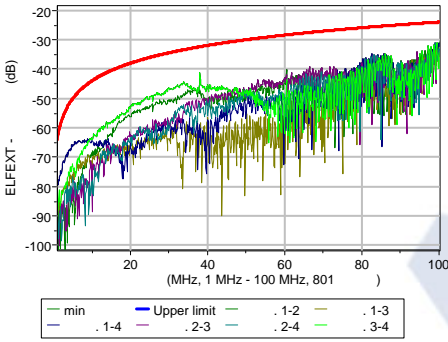
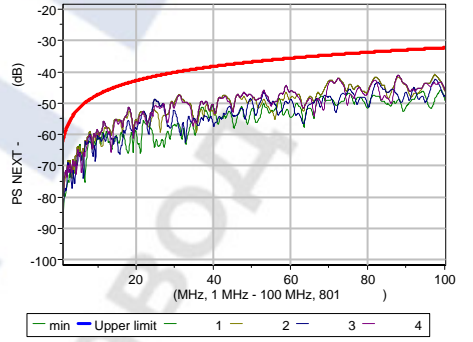
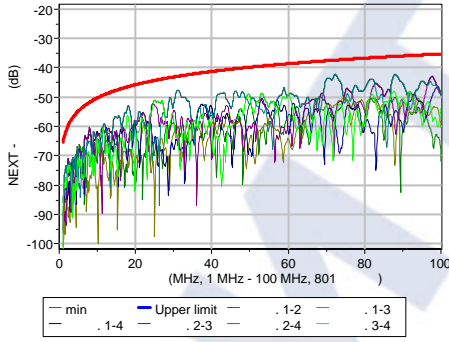
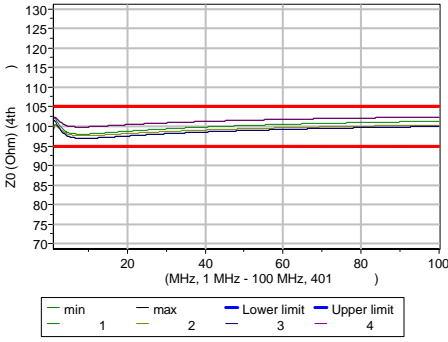
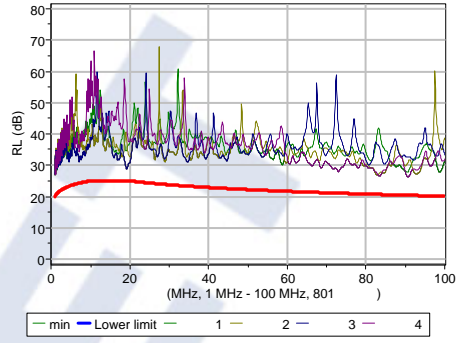
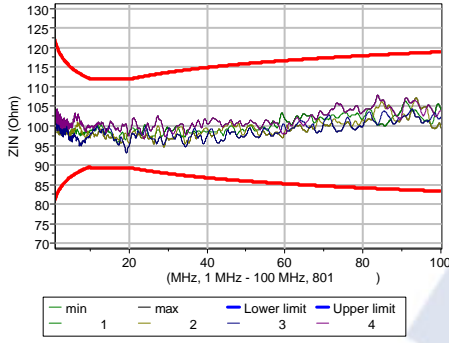
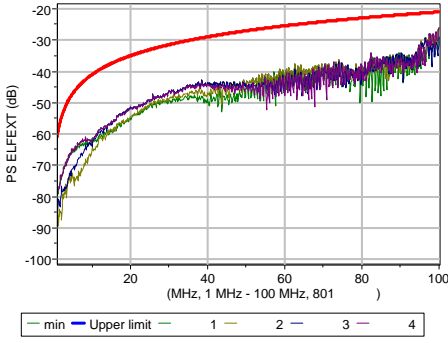


Units		Ra-b	R	D%	Ca-b	C	E
ULim	UL	Ohm	Ohm	%	nF	nF	pF
LLim	LL	9,50	19,00	2,000	5,60	160	
		5,00	10,00	-2,000	3,00	-160	

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-	8,59	8,56	17,15	0,129	7,72	7,75	5,14	-33 ü
2	2-	8,43	8,43	16,86	-0,044	7,63	7,63	5,03	-3 ü
3	3-	8,54	8,54	17,09	0,000	7,73	7,73	5,10	1 ü
4	4-	8,36	8,33	16,70	0,176	7,50	7,53	4,96	-37 ü

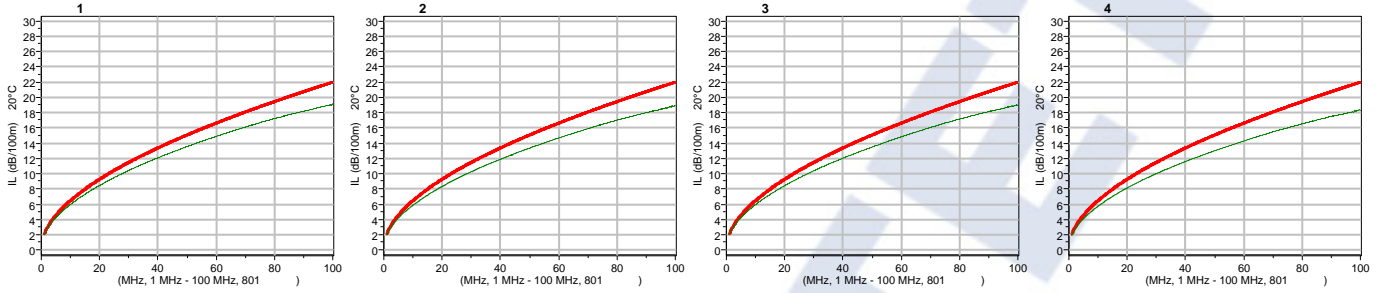




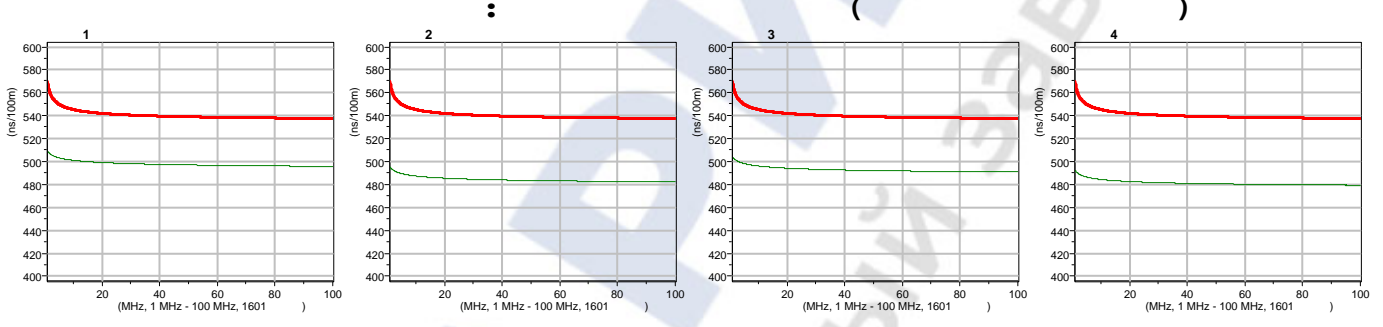
(IL)

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

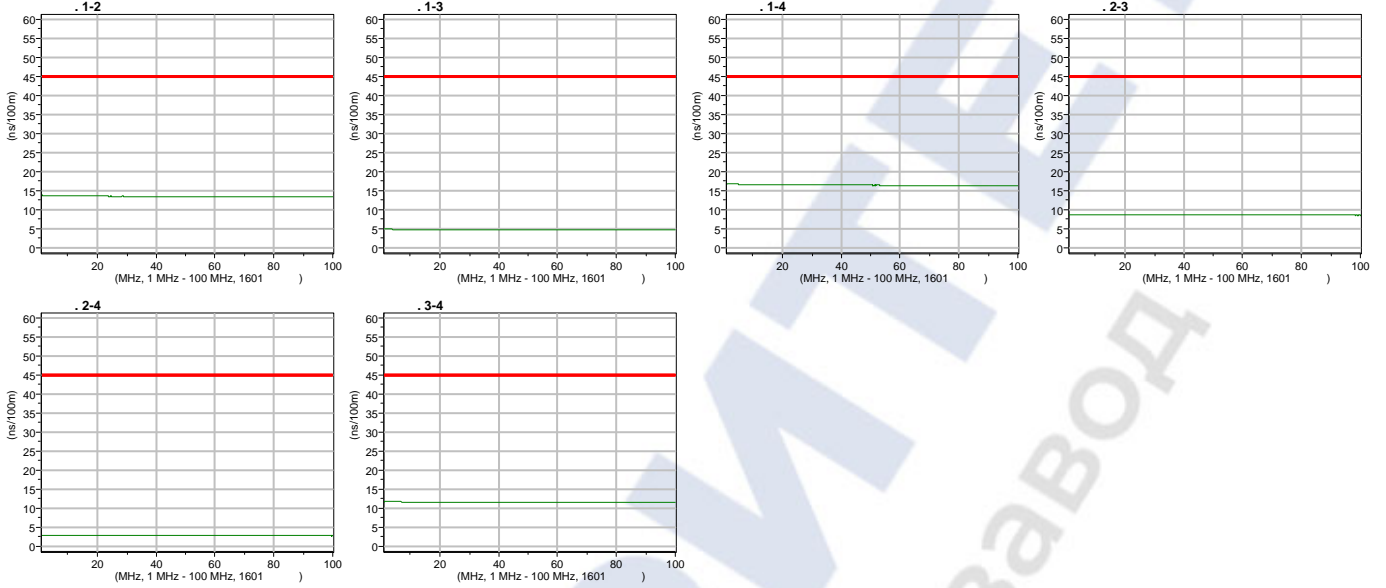
	f	f		{ v [f] }	{ v [f] }		{ m (v l) [f] }
1	1	100	801	2,02 [1]	19,13 [100]		0,07 (2,02 > 2,09) [1] ü
2	1	100	801	1,98 [1]	18,98 [99,75]		0,11 (1,98 > 2,09) [1] ü
3	1	100	801	2,01 [1]	19,03 [99,5]		0,08 (2,01 > 2,09) [1] ü
4	1	100	801	1,93 [1]	18,41 [99,5]		0,16 (1,93 > 2,09) [1] ü



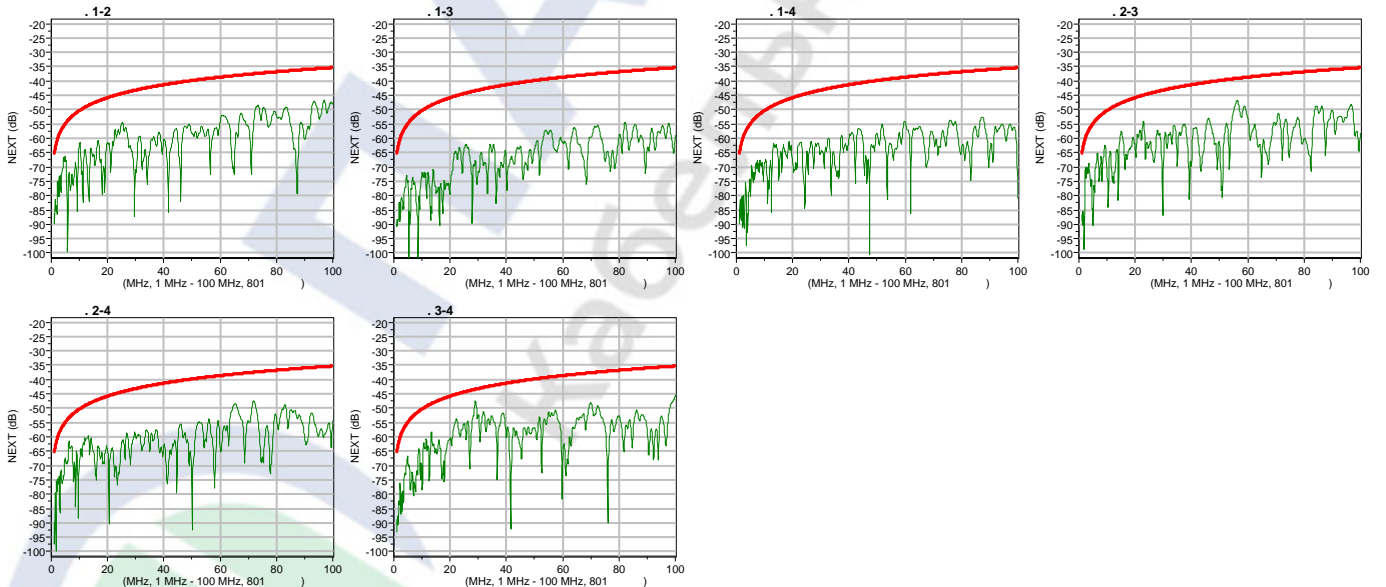
[MHz]		IL (dB/100m)										No.
	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	100,00			
	1,00	3,97	10,03	15,97	20,06	31,20	62,50	100,00	100,00			
	2,09	4,06	6,49	8,25	9,29	11,72	17,00	21,98	21,98			
1	2,02	3,83	5,99	7,55	8,48	10,64	15,23	19,13	19,13		-	
2	1,98	3,78	5,90	7,44	8,34	10,47	15,00	18,88	18,88		-	
3	2,01	3,82	5,97	7,53	8,45	10,60	15,15	19,00	19,00		-	
4	1,93	3,69	5,76	7,27	8,15	10,21	14,59	18,26	18,26		-	



	$v =$	$l =$	$m =$	$f =$	$\{v\} [f]$	$\{v\} [f]$	$\{m(v) [f]\}$
1-2	1	100	1601	(ns/100m)	13,53 [99,07]	13,89 [1,186]	31,11 (13,89 > 45,00) [1,186] ü
1-3	1	100	1601	(ns/100m)	4,88 [98,89]	5,01 [1,495]	39,99 (5,01 > 45,00) [1,495] ü
1-4	1	100	1601	(ns/100m)	16,41 [99,75]	16,93 [1,309]	28,07 (16,93 > 45,00) [1,309] ü
2-3	1	100	1601	(ns/100m)	8,63 [99,2]	8,89 [1,186]	36,11 (8,89 > 45,00) [1,186] ü
2-4	1	100	1601	(ns/100m)	2,86 [99,63]	3,09 [2,052]	41,91 (3,09 > 45,00) [2,052] ü
3-4	1	100	1601	(ns/100m)	11,52 [99,81]	11,94 [1,309]	33,06 (11,94 > 45,00) [1,309] ü



	$v =$	$l =$	$m =$	$f =$	$\{v\} [f]$	$\{v\} [f]$	$\{m(v) [f]\}$
1-2	1	100	801	(dB)	46,82 [96,91]	99,67 [5,826]	10,10 (54,37 < 44,26) [25,25] ü
1-3	1	100	801	(dB)	54,50 [82,06]	107,78 [5,331]	17,40 (72,95 < 55,55) [4,465] ü
1-4	1	100	801	(dB)	52,61 [87,5]	100,56 [47,28]	13,23 (61,75 < 48,53) [13,13] ü
2-3	1	100	801	(dB)	46,81 [56,19]	98,76 [1,866]	7,75 (46,81 < 39,05) [56,19] ü
2-4	1	100	801	(dB)	47,48 [71,91]	99,95 [1,619]	8,14 (61,43 < 53,29) [6,321] ü
3-4	1	100	801	(dB)	45,39 [100]	93,04 [1]	4,22 (47,59 < 43,37) [28,97] ü

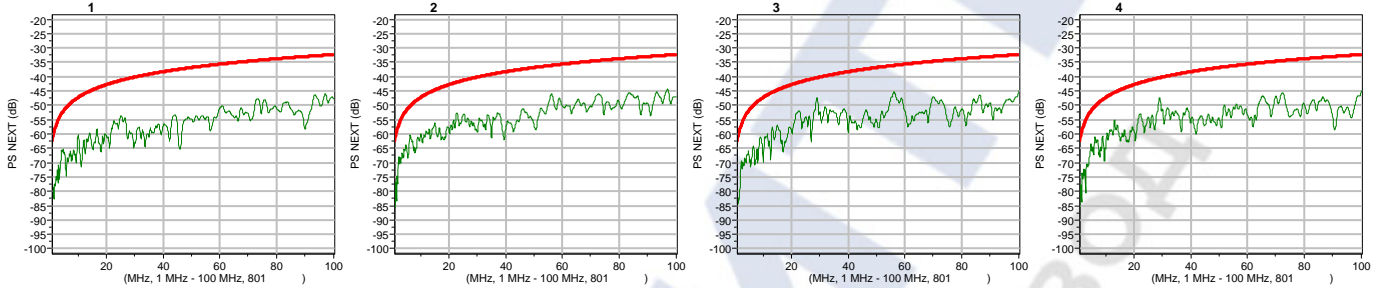


	NEXT (dB)								No.
[MHz]	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	
[MHz]	1,00	3,97	10,03	15,97	20,06	31,20	62,50	100,00	
	65,30	56,32	50,28	47,25	45,77	42,89	38,36	35,30	
1-2	86,39	70,95	61,73	64,90	61,57	59,27	53,83	48,21	-
1-3	88,41	76,98	71,81	79,59	77,20	65,31	64,42	58,91	-
1-4	89,57	92,80	68,37	67,88	68,46	70,44	58,76	80,91	-
2-3	86,70	73,75	73,55	63,42	63,62	62,88	55,27	58,25	-
2-4	89,97	75,78	68,68	74,86	65,11	59,27	56,19	54,56	-
3-4	93,04	72,52	78,67	61,13	60,36	54,69	60,06	45,39	-

NEXT (PS NEXT)

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

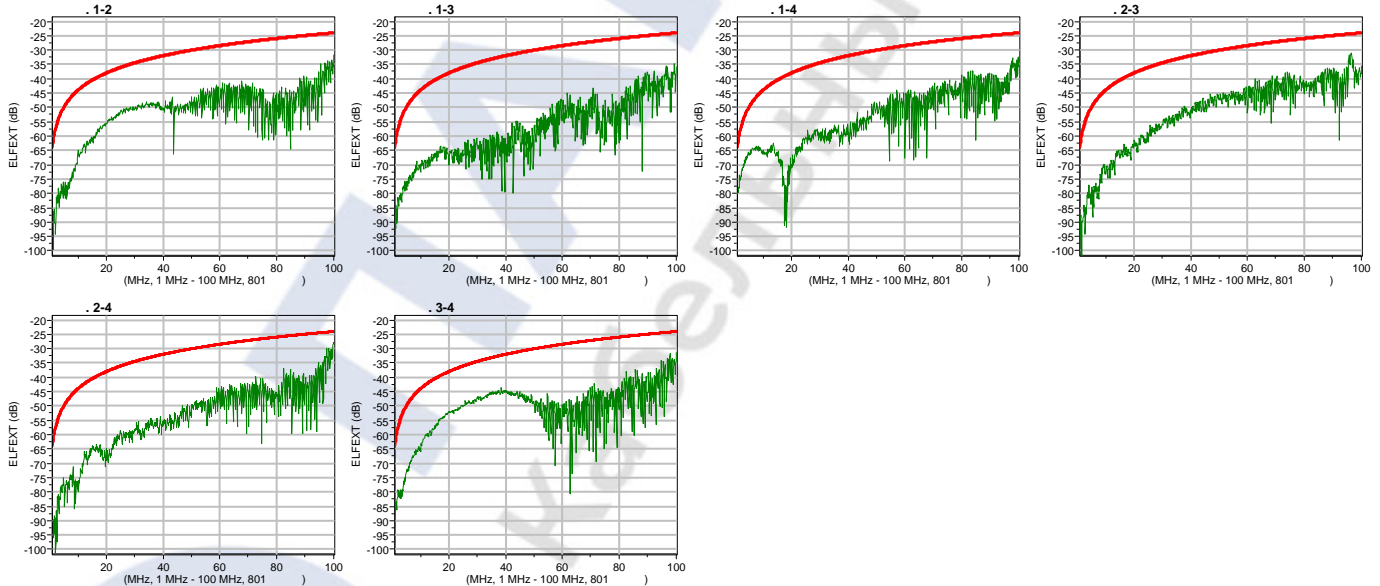
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1	1	100	801	45,99 [97,03]	83,56 [1,124]	12,30 (53,57 < 41,26) [25,25]	ü
2	1	100	801	44,40 [96,91]	85,78 [1,124]	9,88 (45,95 < 36,07) [56,07]	ü
3	1	100	801	44,99 [100]	84,82 [1,124]	6,90 (47,27 < 40,37) [28,97]	ü
4	1	100	801	44,90 [100]	85,84 [1]	6,89 (47,26 < 40,37) [28,97]	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	31,83 [100]	99,52 [1,371]	7,83 (31,83 < 24,00) [100]	ü
1-3	1	100	801	34,82 [99,26]	101,34 [1]	10,75 (34,82 < 24,06) [99,26]	ü
1-4	1	100	801	32,48 [99,88]	91,81 [18,32]	8,47 (32,67 < 24,20) [97,77]	ü
2-3	1	100	801	30,99 [96,41]	120,38 [1,619]	6,68 (30,99 < 24,32) [96,41]	ü
2-4	1	100	801	27,88 [99,88]	101,40 [2,114]	3,87 (27,88 < 24,01) [99,88]	ü
3-4	1	100	801	31,30 [100]	92,89 [1]	7,30 (31,30 < 24,00) [100]	ü



ELFEXT (PS ELFEXT)

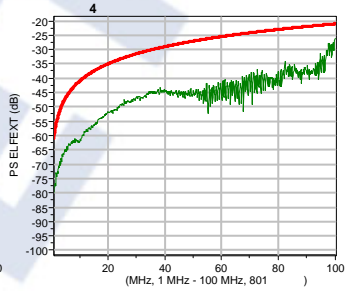
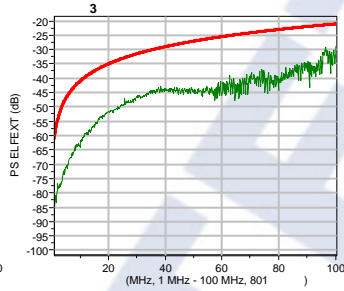
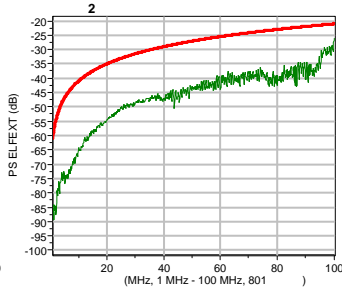
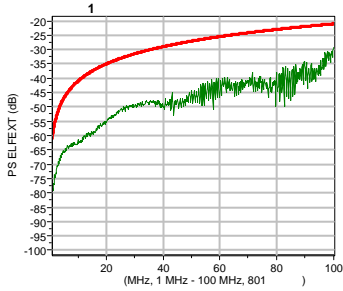
{ v = . (dB) l = (dB) m = (dB) f = (MHz) }

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

{ v [f] }
29,30 [100]
26,12 [100]
28,90 [100]
25,96 [99,88]

{ v [f] }
80,12 [1]
89,52 [1,371]
90,10 [1]
79,81 [1]

{ m (v l) [f] }	
8,30 (29,30 < 21,00) [100]	ü
5,12 (26,12 < 21,00) [100]	ü
7,90 (28,90 < 21,00) [100]	ü
4,94 (25,96 < 21,01) [99,88]	ü



(ZIN)

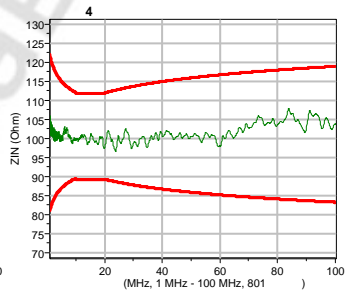
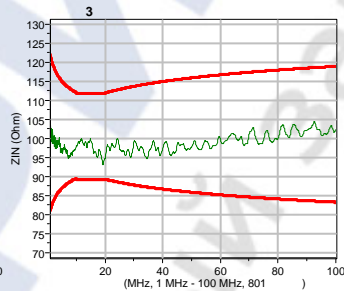
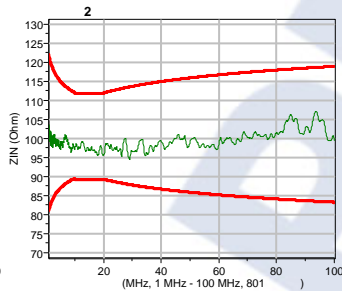
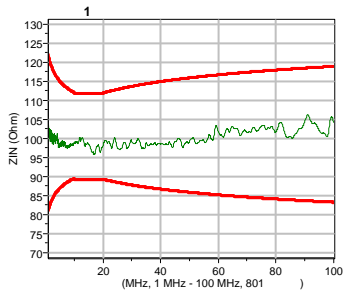
{ v = . (Ohm) l = (Ohm) m = (Ohm) f = (MHz) }

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

{ v [f] }
95,87 [17,09]
94,61 [28,97]
93,05 [19,19]
96,70 [23,77]

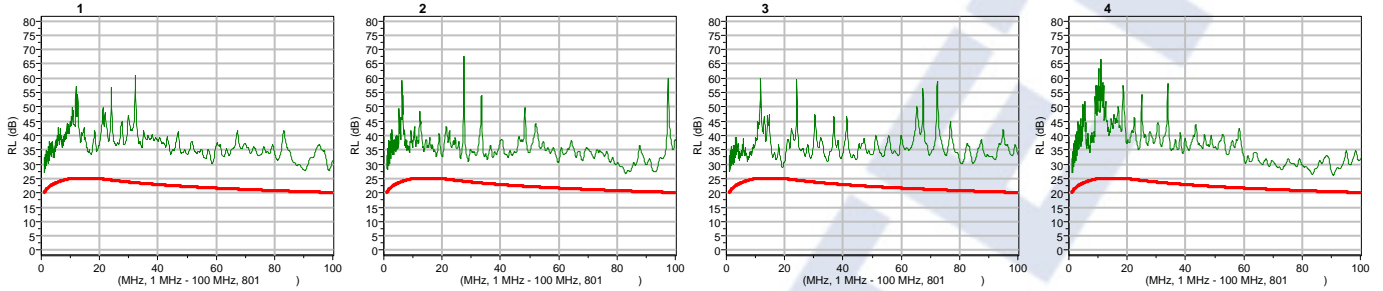
{ v [f] }
106,28 [90,97]
107,19 [93,69]
104,38 [92,57]
107,81 [83,79]

{ m (v l) [f] }	
6,52 (95,87 < 89,35) [17,09]	ü
6,18 (95,53 < 89,35) [17,95]	ü
3,70 (93,05 < 89,35) [19,19]	ü
8,00 (96,70 < 88,71) [23,77]	ü



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

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	26,92 [1,124]	60,94 [32,31]	6,66 (26,92 < 20,25) [1,124] ü
2	1	100	801	26,79 [82,92]	67,77 [27,48]	6,11 (26,79 < 20,68) [82,92] ü
3	1	100	801	27,27 [1,124]	59,93 [11,77]	3,87 (28,87 < 25,00) [19,19] ü
4	1	100	801	26,16 [90,72]	66,60 [11,02]	5,76 (26,16 < 20,40) [90,72] ü



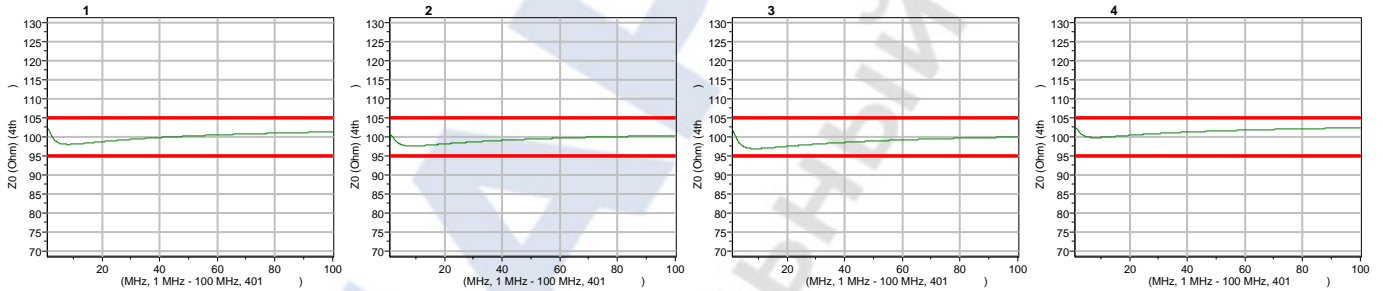
Intervals: { v = . l = m = f = (MHz) < = . > = . }

4 - 100 MHz

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	4,09 - 100,00	776		95,87 [17,09]	106,28 [90,97]	100,29 6,52 (95,87 < 89,35) [17,09] 0 ü
2	4,09 - 100,00	776		94,61 [28,97]	107,19 [93,69]	99,56 6,18 (95,53 < 89,35) [17,95] 0 ü
3	4,09 - 100,00	776		93,05 [19,19]	104,38 [92,57]	98,99 3,70 (93,05 < 89,35) [19,19] 0 ü
4	4,09 - 100,00	776		96,70 [23,77]	107,81 [83,79]	101,65 8,00 (96,70 < 88,71) [23,77] 0 ü

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

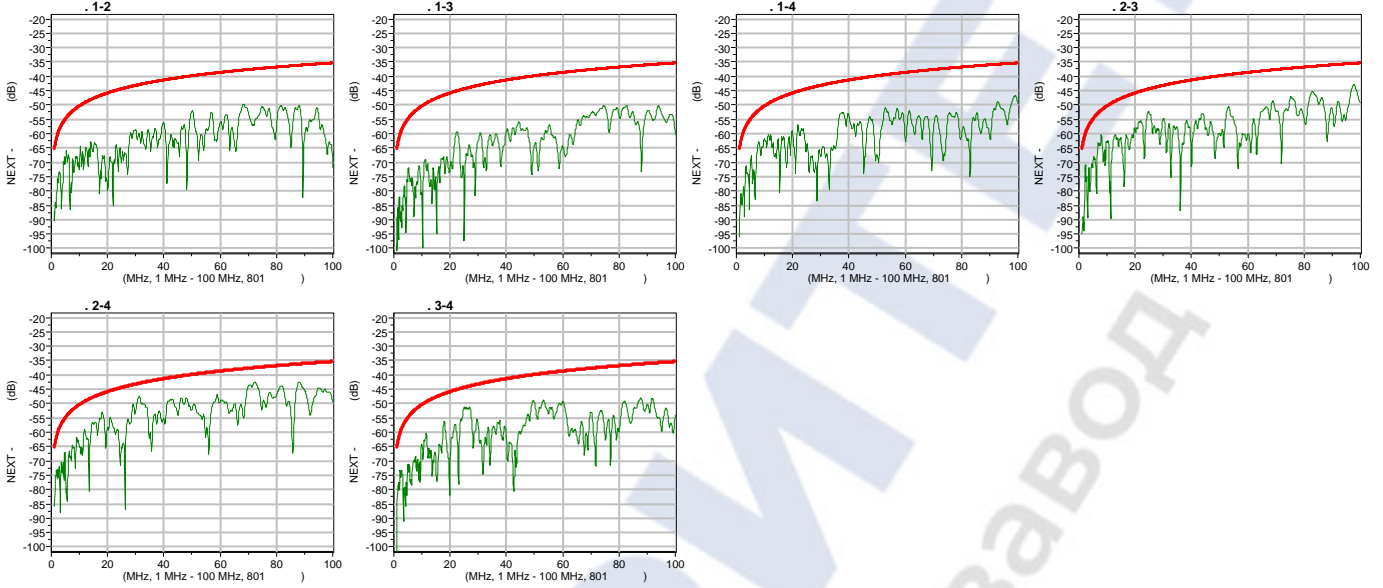
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	401	98,03 [8,425]	102,21 [1,247]	ü
2	1	100	401	97,62 [8,672]	100,51 [1,495]	ü
3	1	100	401	96,94 [8,92]	101,49 [1,247]	ü
4	1	100	401	99,83 [7,93]	102,38 [100]	ü



	[MHz]		Z0 (Ohm)						No.	
	1,00		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	101,71		98,84	98,06	98,47	98,76	99,43	100,58	101,31	-
2	99,09		98,39	97,63	97,94	98,17	98,74	99,73	100,37	-
3	100,91		97,93	96,95	97,28	97,54	98,17	99,27	99,98	-
4	101,70		100,36	99,87	100,19	100,42	100,94	101,82	102,38	-

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

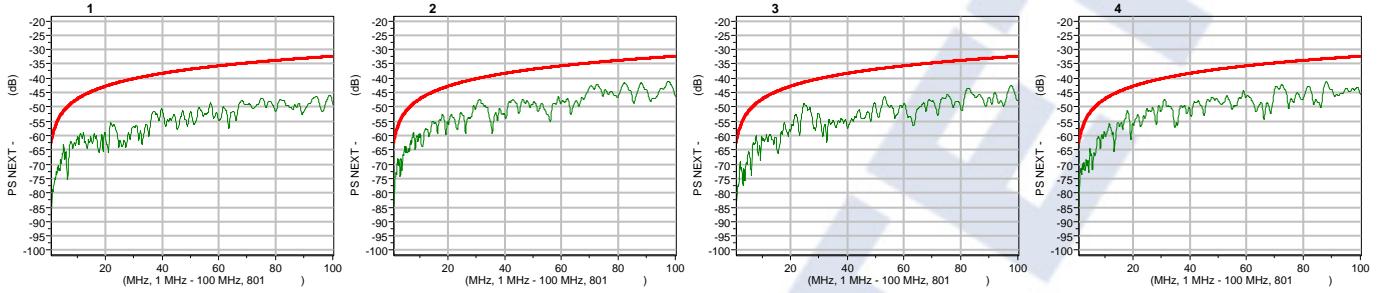
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1-2	1	100	801	49,88 [68,32]	90,28 [1,124]	11,66 (66,05 < 54,40) [5,331] ù
1-3	1	100	801	50,12 [82,55]	100,92 [1,124]	12,94 (50,16 < 37,22) [74,51] ù
1-4	1	100	801	46,75 [99,01]	96,09 [1]	10,79 (52,50 < 41,71) [37,38] ù
2-3	1	100	801	43,00 [97,65]	95,05 [1]	7,54 (43,00 < 35,45) [97,65] ù
2-4	1	100	801	42,36 [88]	87,95 [3,227]	4,69 (47,57 < 42,89) [31,19] ù
3-4	1	100	801	47,95 [87,75]	105,26 [1]	6,77 (51,10 < 44,33) [25,01] ù



[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		87,23	78,25	69,77	64,01	79,78	60,13	53,55	71,93	-
1-4		88,85	81,96	83,07	71,64	71,70	61,59	60,44	60,22	-
2-3		96,09	74,07	62,21	61,50	60,08	64,73	56,83	49,57	-
2-4		95,05	78,56	63,25	75,76	59,01	66,37	56,90	49,13	-
3-4		85,91	72,97	65,28	57,36	58,08	47,57	50,30	49,43	-
		105,26	81,57	64,42	64,92	70,44	65,35	60,76	53,98	-

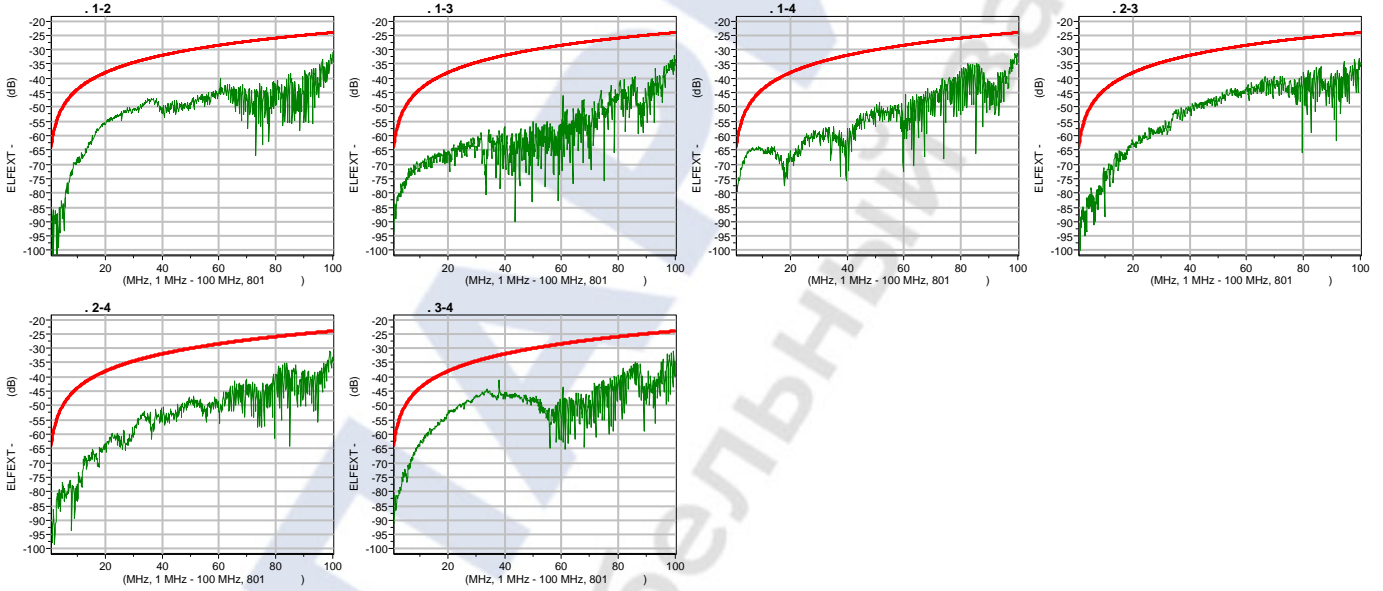
⋮
{ v = . (dB) / = (dB) m = (dB) f = (MHz) } (PS NEXT -)

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1	1	100	801	45,87 [99,01]	87,11 [1,124]	11,92 (63,32 < 51,40) [5,331]	ü
2	1	100	801	40,95 [97,4]	83,68 [1,124]	7,40 (47,29 < 39,89) [31,19]	ü
3	1	100	801	42,51 [97,65]	87,84 [1]	7,48 (48,84 < 41,36) [24,88]	ü
4	1	100	801	41,19 [87,87]	85,46 [1]	7,50 (47,42 < 39,91) [31,07]	ü



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

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1-2	1	100	801	30,88 [100]	108,21 [2,98]	6,88 (30,88 < 24,00) [100]	ü
1-3	1	100	801	32,16 [99,63]	93,64 [1]	8,12 (32,16 < 24,03) [99,63]	ü
1-4	1	100	801	31,34 [99,75]	79,89 [1]	7,32 (31,34 < 24,02) [99,75]	ü
2-3	1	100	801	33,24 [99,5]	100,27 [1,495]	9,19 (33,24 < 24,04) [99,5]	ü
2-4	1	100	801	31,11 [99,01]	106,12 [1]	7,03 (31,11 < 24,09) [99,01]	ü
3-4	1	100	801	31,04 [99,38]	91,20 [1,124]	6,98 (31,04 < 24,05) [99,38]	ü



ELFEXT (PS ELFEXT)

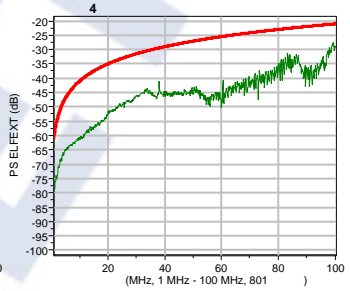
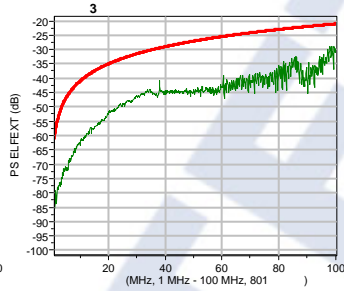
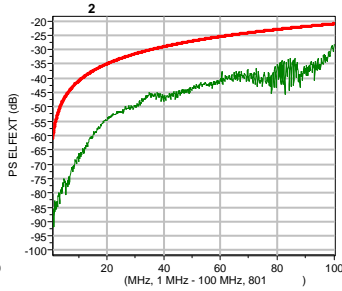
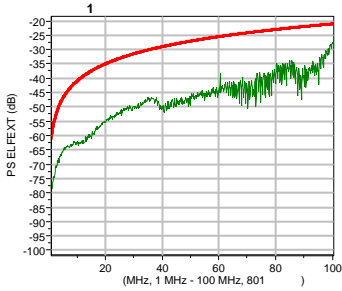
{ v = . (dB) / = (dB) m = (dB) f = (MHz) }

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

{ v [f] }
27,32 [99,88]
28,27 [100]
28,87 [98,02]
27,62 [99,38]

{ v [f] }
79,61 [1]
92,16 [1]
87,97 [1]
79,54 [1]

{ m (v l) [f] }	
6,31 (27,32 < 21,01) [99,88]	ü
7,27 (28,27 < 21,00) [100]	ü
7,70 (28,87 < 21,17) [98,02]	ü
6,57 (27,62 < 21,05) [99,38]	ü



(ZIN -)

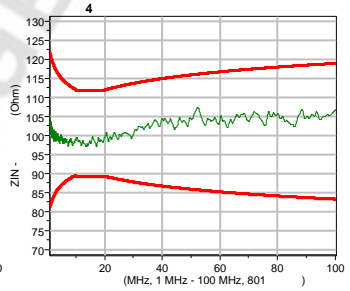
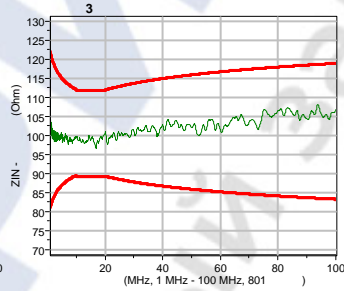
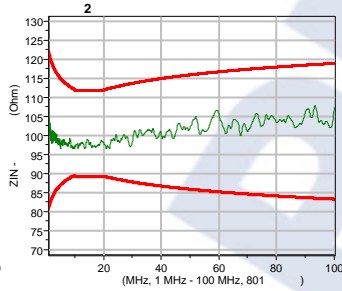
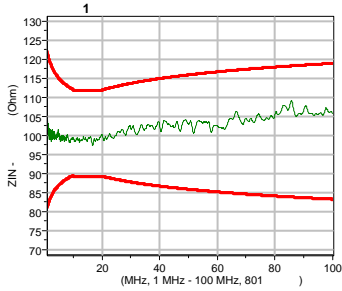
{ v = . (Ohm) / = (Ohm) m = (Ohm) f = (MHz) }

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

{ v [f] }
97,29 [16,72]
96,50 [9,91]
96,70 [16,84]
97,03 [17,21]

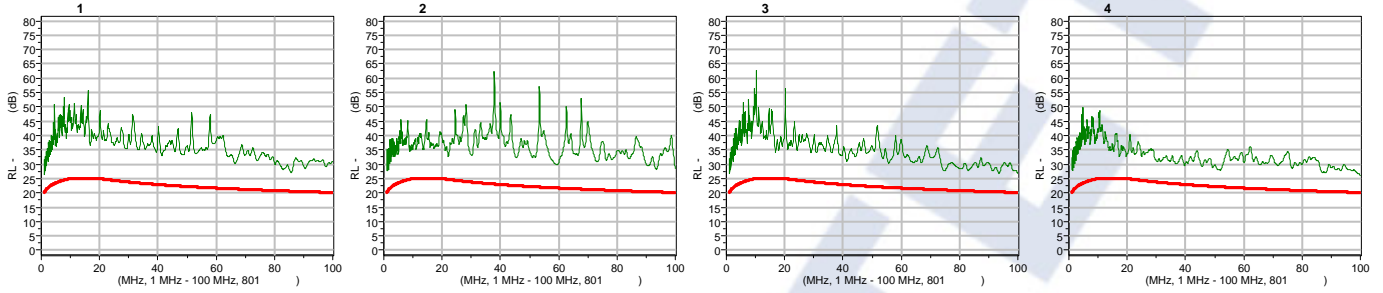
{ v [f] }
109,14 [85,77]
107,81 [93,32]
108,09 [93,81]
107,36 [52,23]

{ m (v l) [f] }	
7,94 (97,29 < 89,35) [16,72]	ü
6,94 (96,50 < 89,57) [9,91]	ü
7,35 (96,70 < 89,35) [16,84]	ü
7,68 (97,03 < 89,35) [17,21]	ü



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

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	26,37 [1,124]	55,68 [16,1]	6,12 (26,37 < 20,25) [1,124] ü
2	1	100	801	27,62 [1,247]	62,37 [37,88]	7,14 (27,62 < 20,48) [1,247] ü
3	1	100	801	26,61 [100]	62,69 [10,28]	6,43 (26,68 < 20,25) [1,124] ü
4	1	100	801	25,99 [100]	49,92 [4,836]	5,84 (27,93 < 22,10) [51,98] ü



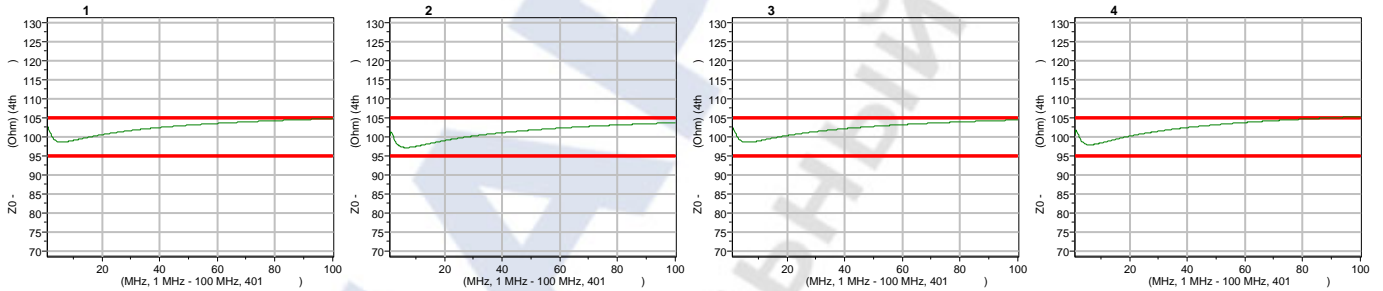
Intervals: { v = . l = m = f = (MHz) } ZIN - (Ohm)

4 - 100 MHz

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	4,09 - 100,00	776		97,29 [16,72]	109,14 [85,77]	102,86 7,94 (97,29 < 89,35) [16,72] 0 ü
2	4,09 - 100,00	776		96,50 [9,91]	107,81 [93,32]	101,53 6,94 (96,50 < 89,57) [9,91] 0 ü
3	4,09 - 100,00	776		96,70 [16,84]	108,09 [93,81]	102,55 7,35 (96,70 < 89,35) [16,84] 0 ü
4	4,09 - 100,00	776		97,03 [17,21]	107,36 [52,23]	102,80 7,68 (97,03 < 89,35) [17,21] 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	98,64 [5,95]	104,77 [100]	ü
2	1	100	401	97,20 [6,692]	103,71 [100]	ü
3	1	100	401	98,57 [6,197]	104,43 [100]	ü
4	1	100	401	97,96 [6,197]	105,29 [100]	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	102,20	98,99	99,06	100,04	100,59	101,78	103,63	104,77	-
2	100,16	97,83	97,49	98,47	99,05	100,34	102,41	103,71	-
3	101,64	98,99	98,91	99,83	100,35	101,50	103,31	104,43	-
4	100,51	98,45	98,39	99,53	100,19	101,62	103,88	105,29	-