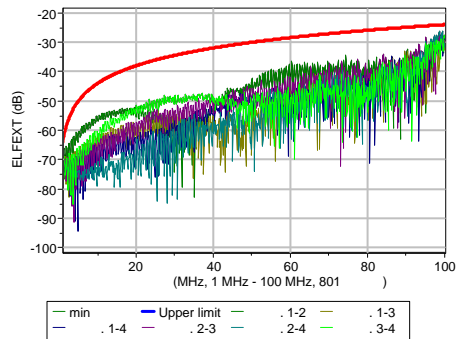
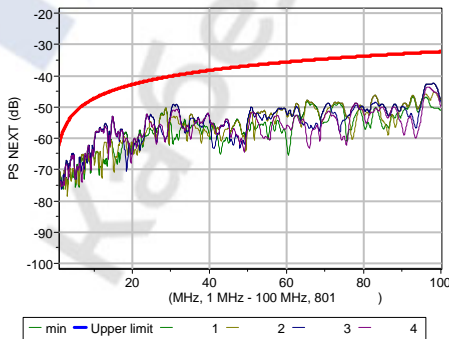
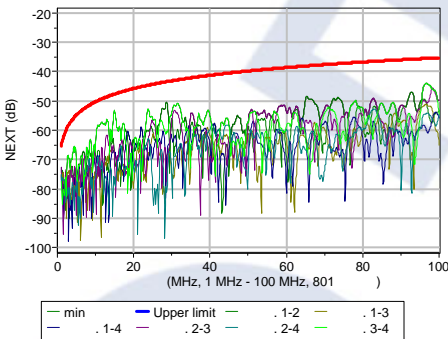
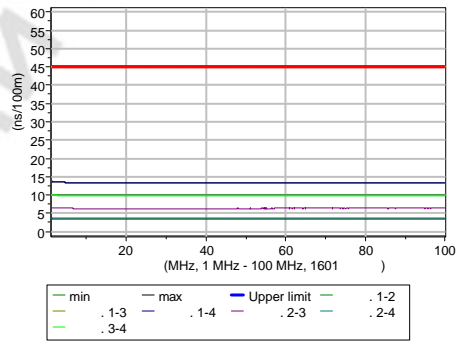
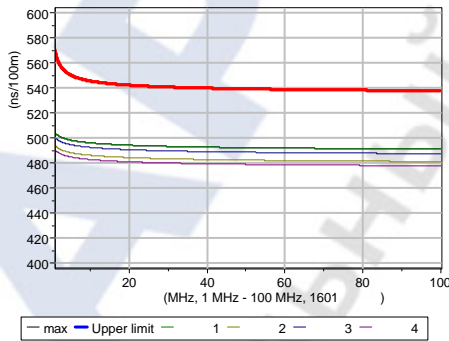
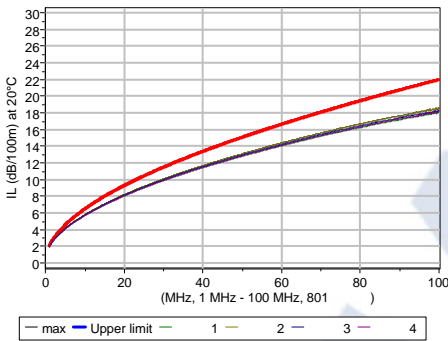
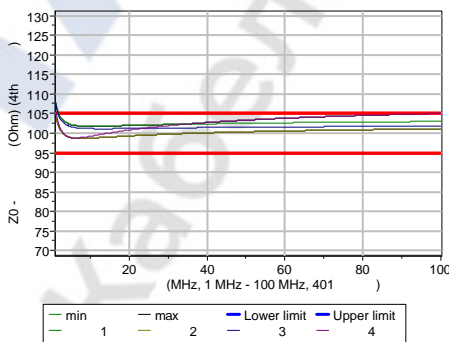
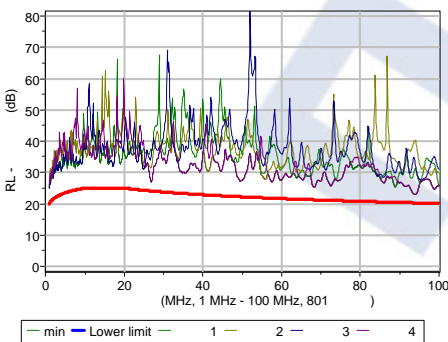
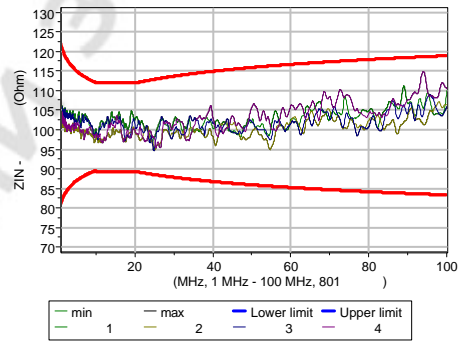
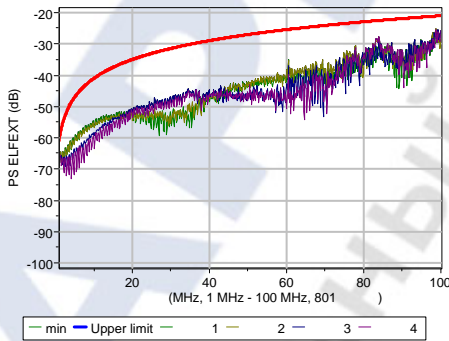
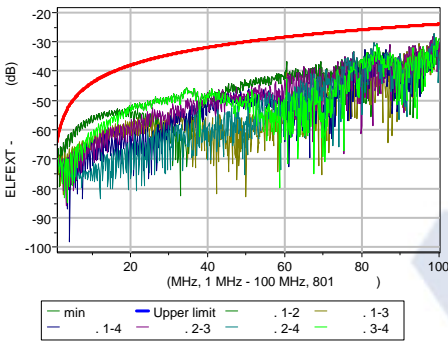
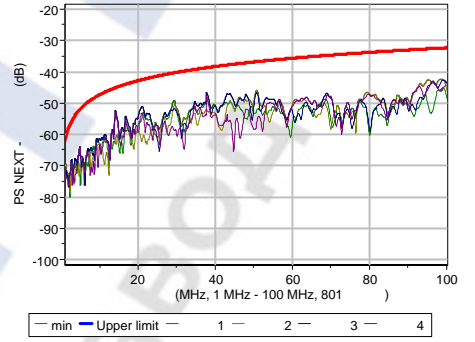
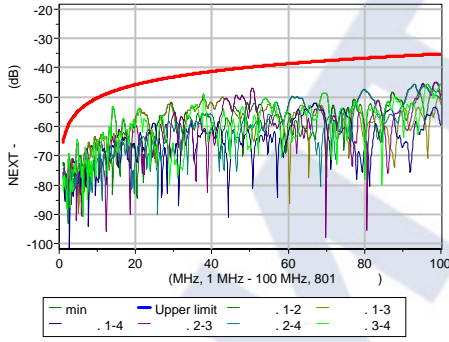
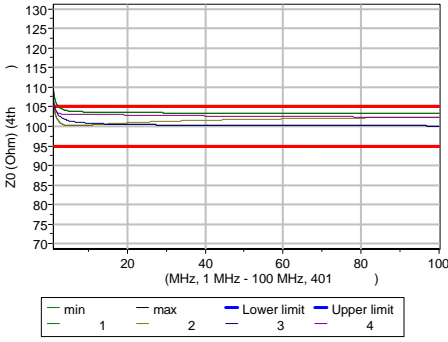
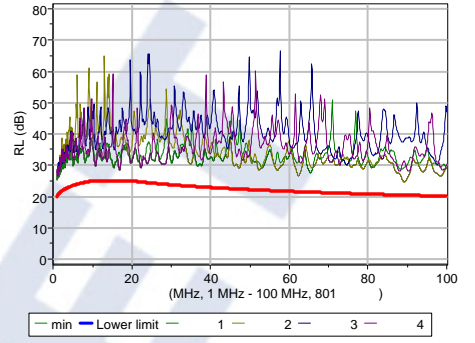
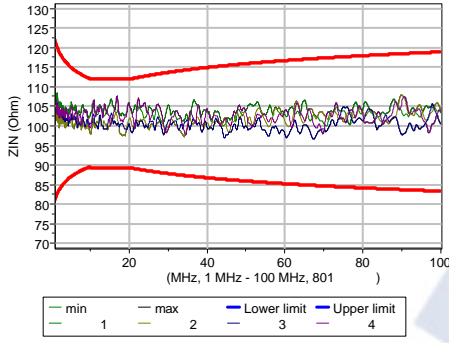
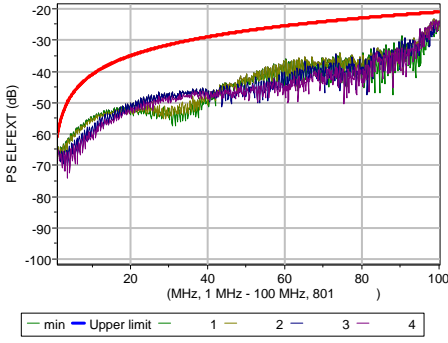


Units		Ra-b	R	D%	Ca-b	C	E
ULim	UL	Ohm	Ohm	%	nF	nF	pF
LLim	LL	9,50	19,00	2,000	5,60	160	
		5,00	10,00	-2,000	3,00	-160	

**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-	8,62	8,61	17,23	0,076	7,03	7,02	4,85	8 ü
2	2-	8,44	8,43	16,86	0,058	7,29	7,30	4,89	-10 ü
3	3-	8,53	8,53	17,06	0,000	7,14	7,13	4,87	3 ü
4	4-	8,39	8,40	16,79	-0,058	7,21	7,22	4,82	-8 ü

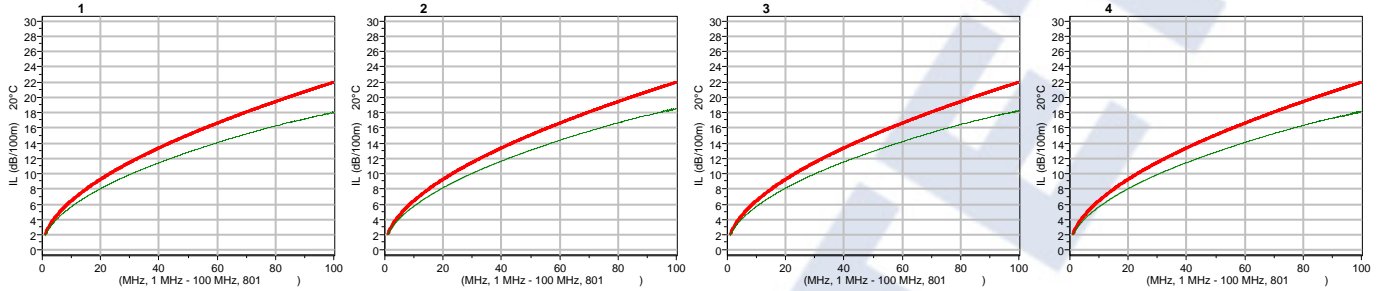




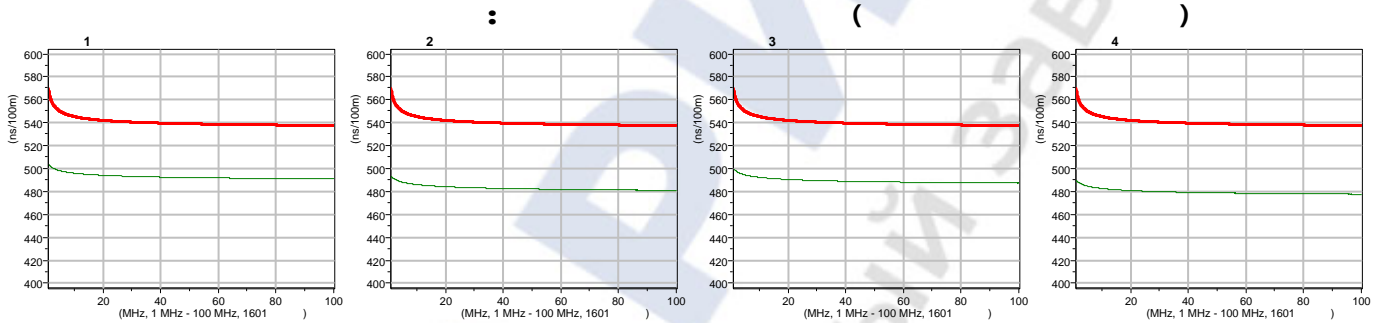
( IL )

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

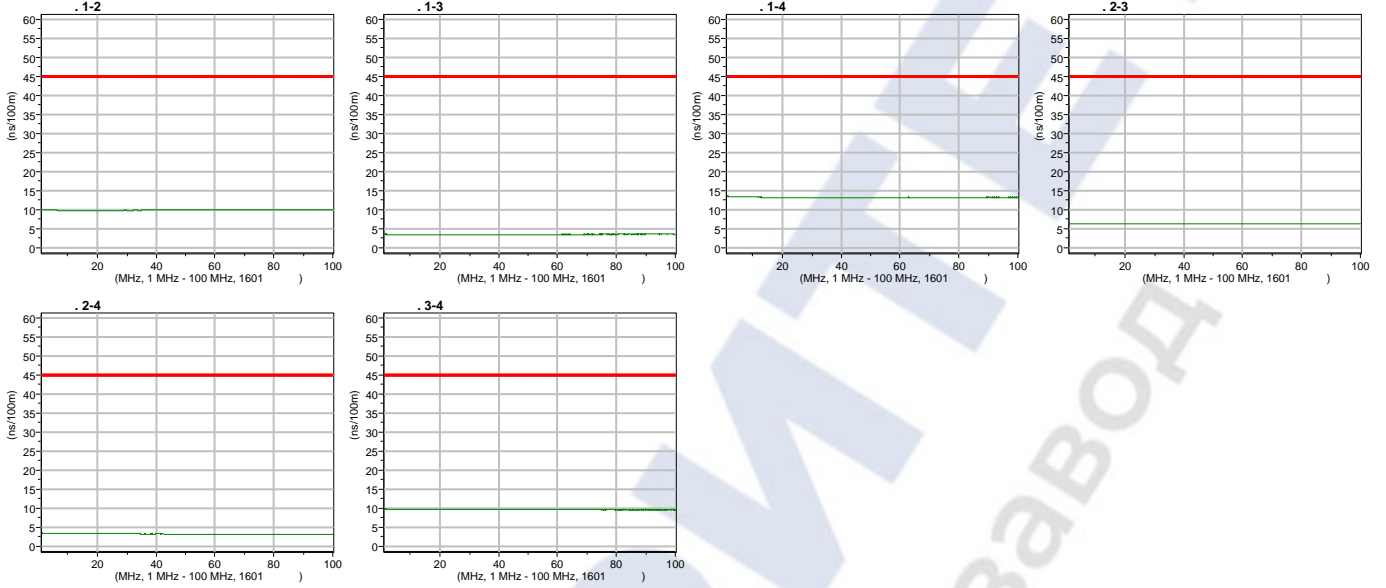
	f	f		{ v [f] }	{ v [f] }		{ m (v l) [f] }
1	1	100	801	1,93 [1]	18,09 [99,63]		0,16 (1,93 > 2,09) [1] ü
2	1	100	801	1,98 [1]	18,57 [99,75]		0,11 (1,98 > 2,09) [1] ü
3	1	100	801	1,95 [1]	18,30 [99,75]		0,14 (1,95 > 2,09) [1] ü
4	1	100	801	1,96 [1]	18,19 [99,75]		0,13 (1,96 > 2,09) [1] ü



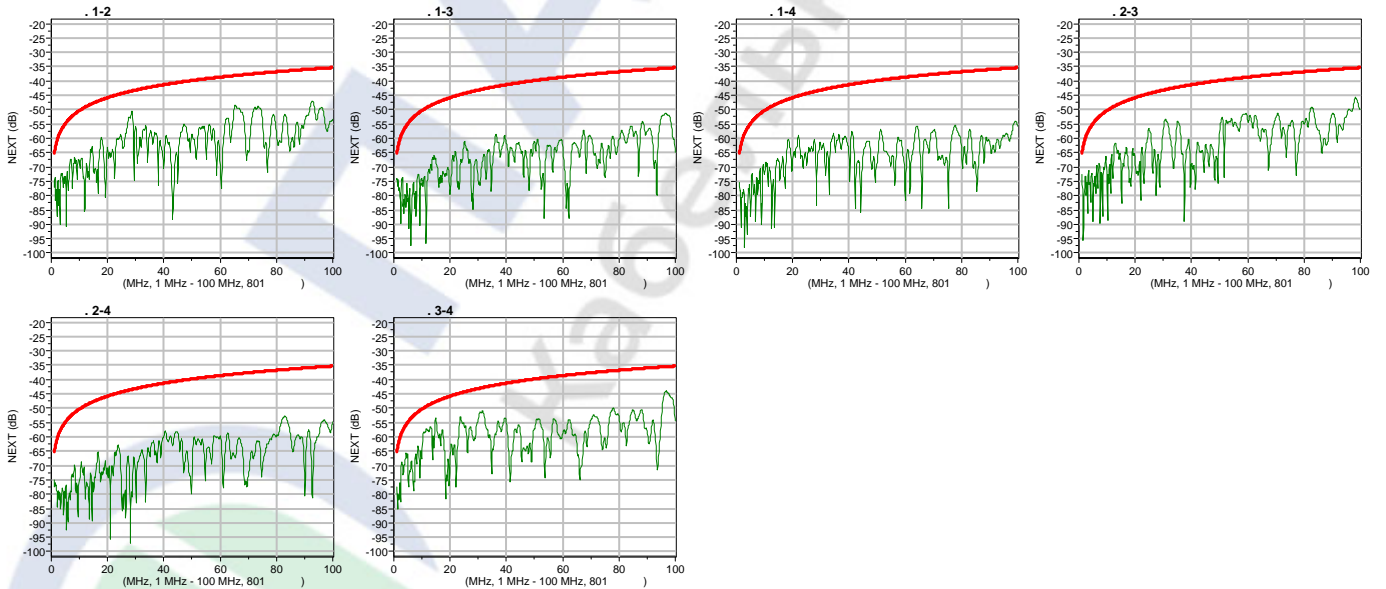
[MHz]		IL (dB/100m)												No.	
		1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00						
		1,00	3,97	10,03	15,97	20,06	31,20	62,50	100,00						
		2,09	4,06	6,49	8,25	9,29	11,72	17,00	21,98						
1		1,93	3,64	5,69	7,18	8,06	10,09	14,36	17,94						-
2		1,98	3,70	5,77	7,28	8,18	10,26	14,70	18,49						-
3		1,95	3,67	5,74	7,24	8,13	10,17	14,51	18,19						-
4		1,96	3,65	5,68	7,17	8,05	10,09	14,40	18,11						-



	$v =$	$l =$	$m =$	$f =$		
	(ns/100m)	(ns/100m)	(ns/100m)	(ns/100m)	(MHz)	
	$\{v\}$	$\{l\}$	$\{m\}$	$\{f\}$	$\{m(v,l)\}$	
1-2	1	100	1601	9,92 [13,19]	10,25 [1]	34,75 (10,25 > 45,00) [1] ü
1-3	1	100	1601	3,61 [9,229]	3,84 [1,124]	41,16 (3,84 > 45,00) [1,124] ü
1-4	1	100	1601	13,32 [96,6]	13,77 [1,124]	31,23 (13,77 > 45,00) [1,124] ü
2-3	1	100	1601	6,27 [1,124]	6,48 [1]	38,52 (6,48 > 45,00) [1] ü
2-4	1	100	1601	3,32 [96,66]	3,68 [1,186]	41,32 (3,68 > 45,00) [1,186] ü
3-4	1	100	1601	9,66 [96,47]	10,02 [1,186]	34,98 (10,02 > 45,00) [1,186] ü



	$v =$	$l =$	$m =$	$f =$		
	(dB)	(dB)	(dB)	(MHz)		
	$\{v\}$	$\{l\}$	$\{m\}$	$\{f\}$	$\{m(v,l)\}$	
1-2	1	100	801	46,91 [92,82]	90,82 [5,331]	6,99 (50,44 < 43,46) [28,6] ü
1-3	1	100	801	51,18 [96,53]	97,50 [6,074]	9,15 (74,45 < 65,30) [1] ü
1-4	1	100	801	53,90 [99,01]	98,01 [2,98]	10,16 (75,46 < 65,30) [1] ü
2-3	1	100	801	45,84 [98,27]	95,50 [1,495]	7,15 (72,45 < 65,30) [1] ü
2-4	1	100	801	52,82 [83,05]	96,99 [28,1]	9,72 (75,02 < 65,30) [1] ü
3-4	1	100	801	44,09 [96,78]	85,26 [1,371]	5,58 (53,30 < 47,72) [14,86] ü

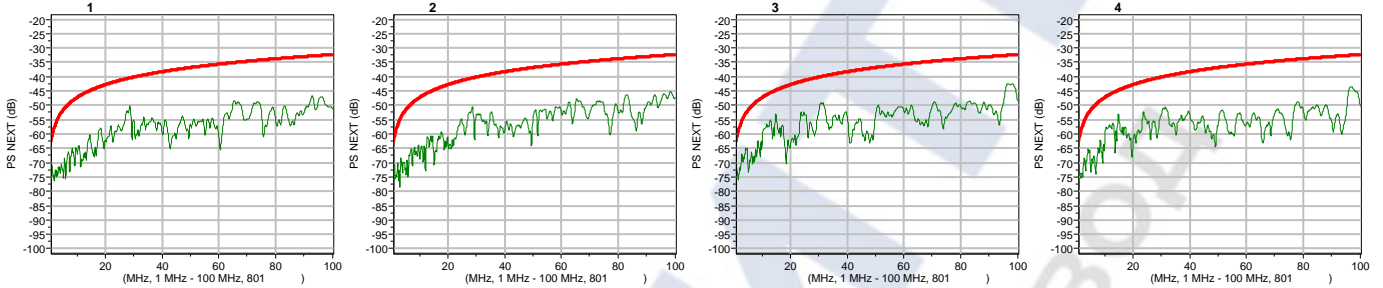


[MHz]	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	No.
[MHz]	1,00	3,97	10,03	15,97	20,06	31,20	62,50	100,00	.
.	65,30	56,32	50,28	47,25	45,77	42,89	38,36	35,30	.
. 1-2	77,20	73,32	68,59	74,41	63,66	63,25	53,03	53,30	-
. 1-3	74,45	79,52	74,54	77,26	78,48	69,81	76,47	65,04	-
. 1-4	75,46	85,08	72,22	70,17	67,42	63,79	65,69	55,76	-
. 2-3	72,45	75,23	77,01	69,94	69,15	54,04	51,91	49,74	-
. 2-4	75,02	78,25	75,23	69,84	73,11	67,38	58,86	54,69	-
. 3-4	77,38	68,05	64,20	60,32	66,89	51,45	54,21	54,56	-

**NEXT (PS NEXT)**

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

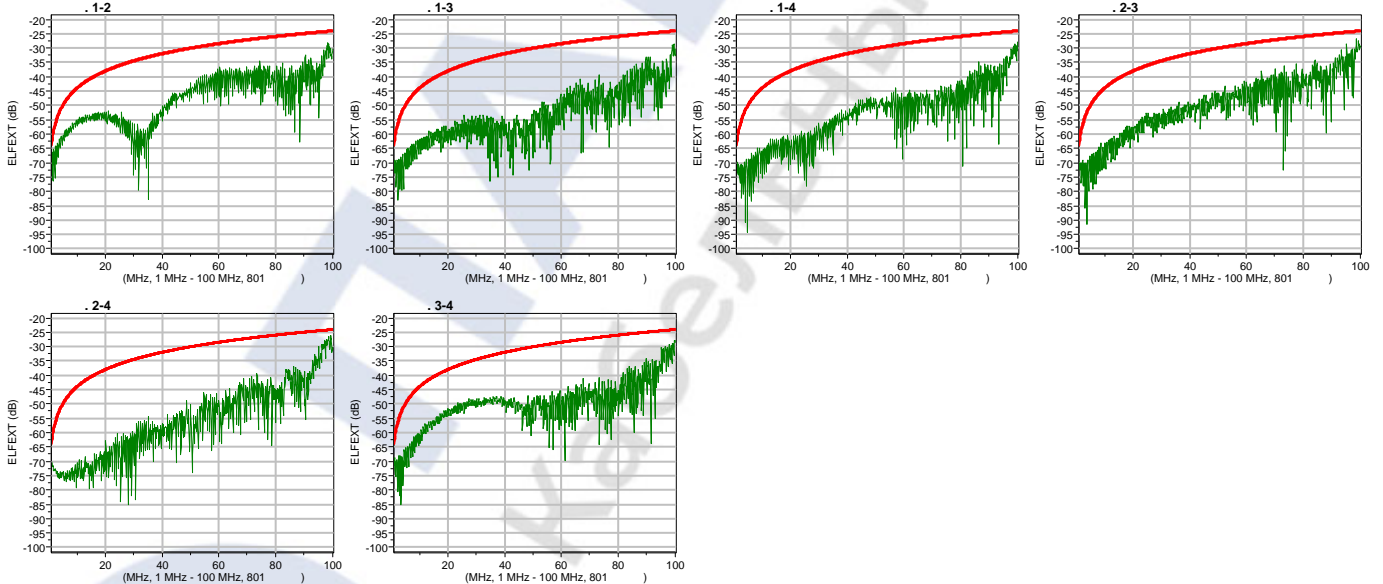
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1	1	100	801	46,69 [92,82]	76,45 [3,199]	8,49 (70,79 < 62,30) [1]	ü
2	1	100	801	45,15 [98,39]	78,53 [3,104]	7,39 (69,69 < 62,30) [1]	ü
3	1	100	801	42,48 [98,14]	76,25 [1,619]	7,25 (69,55 < 62,30) [1]	ü
4	1	100	801	43,58 [96,78]	75,36 [1,866]	8,40 (53,12 < 44,72) [14,86]	ü



**FEXT (ELFEXT)**

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

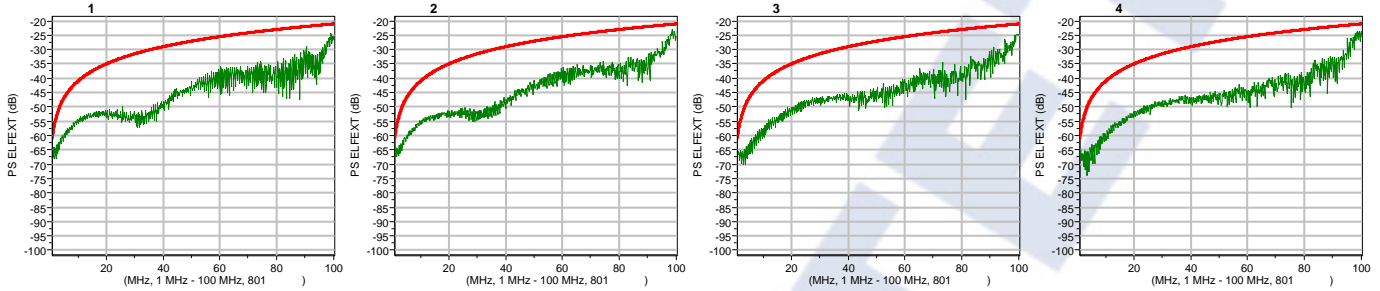
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1-2	1	100	801	28,22 [98,27]	82,79 [35,15]	4,07 (28,22 < 24,15) [98,27]	ü
1-3	1	100	801	28,44 [99,5]	82,99 [2,485]	4,40 (28,44 < 24,04) [99,5]	ü
1-4	1	100	801	27,88 [99,88]	94,29 [4,836]	3,87 (27,88 < 24,01) [99,88]	ü
2-3	1	100	801	26,64 [98,64]	91,45 [3,846]	2,53 (26,64 < 24,12) [98,64]	ü
2-4	1	100	801	26,23 [99,38]	85,02 [27,98]	2,18 (26,23 < 24,05) [99,38]	ü
3-4	1	100	801	27,76 [99,88]	85,19 [3,599]	3,75 (27,76 < 24,01) [99,88]	ü



**ELFEXT (PS ELFEXT)**

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

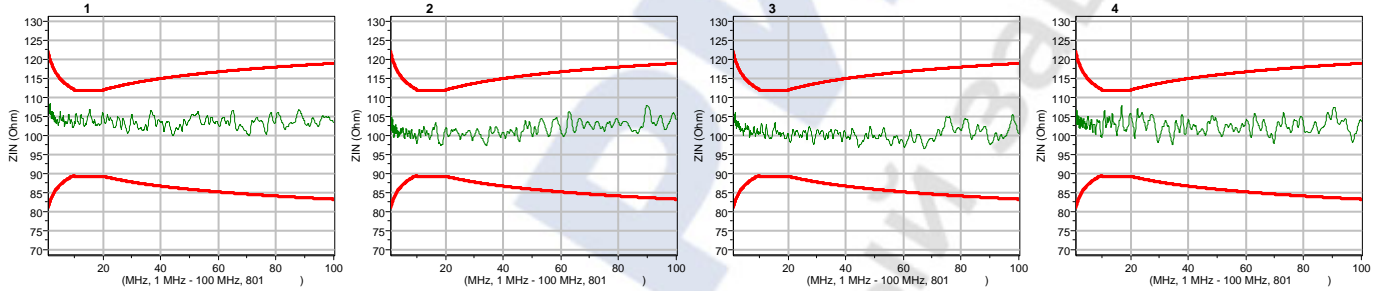
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	24,28 [99,01]	68,01 [1,619]	3,19 (24,28 < 21,09) [99,01] ü
2	1	100	801	23,05 [98,64]	67,26 [1,495]	1,93 (23,05 < 21,12) [98,64] ü
3	1	100	801	24,63 [100]	70,15 [3,722]	3,63 (24,63 < 21,00) [100] ü
4	1	100	801	23,61 [99,13]	74,07 [3,599]	2,54 (23,61 < 21,08) [99,13] ü



**(ZIN)**

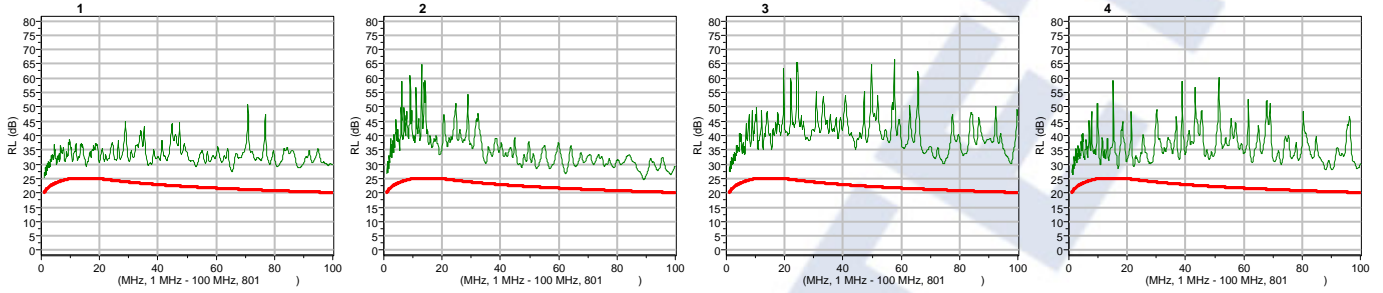
{ v = . (Ohm) / = (Ohm) m = (Ohm) f = (MHz) }

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	99,97 [44,19]	109,56 [1]	5,02 (106,90 > 111,92) [15,35] ü
2	1	100	801	97,31 [34,16]	108,00 [89,85]	8,09 (97,44 < 89,35) [18,32] ü
3	1	100	801	96,66 [67,21]	106,72 [1]	8,63 (103,29 > 111,92) [15,48] ü
4	1	100	801	97,65 [34,54]	107,77 [16,84]	4,15 (107,77 > 111,92) [16,84] ü



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

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1	1	100	801	25,28 [1]	50,85 [70,92]	4,07 (29,07 < 25,00) [15,48]	ü
2	1	100	801	24,69 [89,23]	64,83 [13]	4,24 (24,69 < 20,45) [89,23]	ü
3	1	100	801	27,37 [1,371]	66,70 [57,68]	6,68 (27,37 < 20,69) [1,371]	ü
4	1	100	801	26,52 [1,371]	60,12 [51,49]	3,50 (28,50 < 25,00) [16,84]	ü



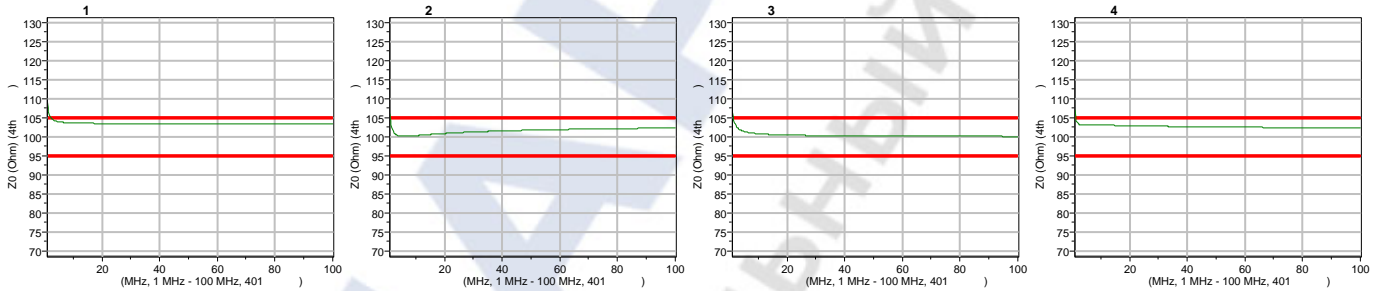
**Intervals:** { v = . l = m = f = (MHz) < = > = }

4 - 100 MHz

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1	4,09 - 100,00	776		99,97 [44,19]	106,90 [15,35]	103,54 5,02 (106,90 > 111,92) [15,35]	0 ü
2	4,09 - 100,00	776		97,31 [34,16]	108,00 [89,85]	101,82 8,09 (97,44 < 89,35) [18,32]	0 ü
3	4,09 - 100,00	776		96,66 [67,21]	105,57 [97,90]	100,41 8,63 (103,29 > 111,92) [15,48]	0 ü
4	4,09 - 100,00	776		97,65 [34,54]	107,77 [16,84]	102,59 4,15 (107,77 > 111,92) [16,84]	0 ü

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

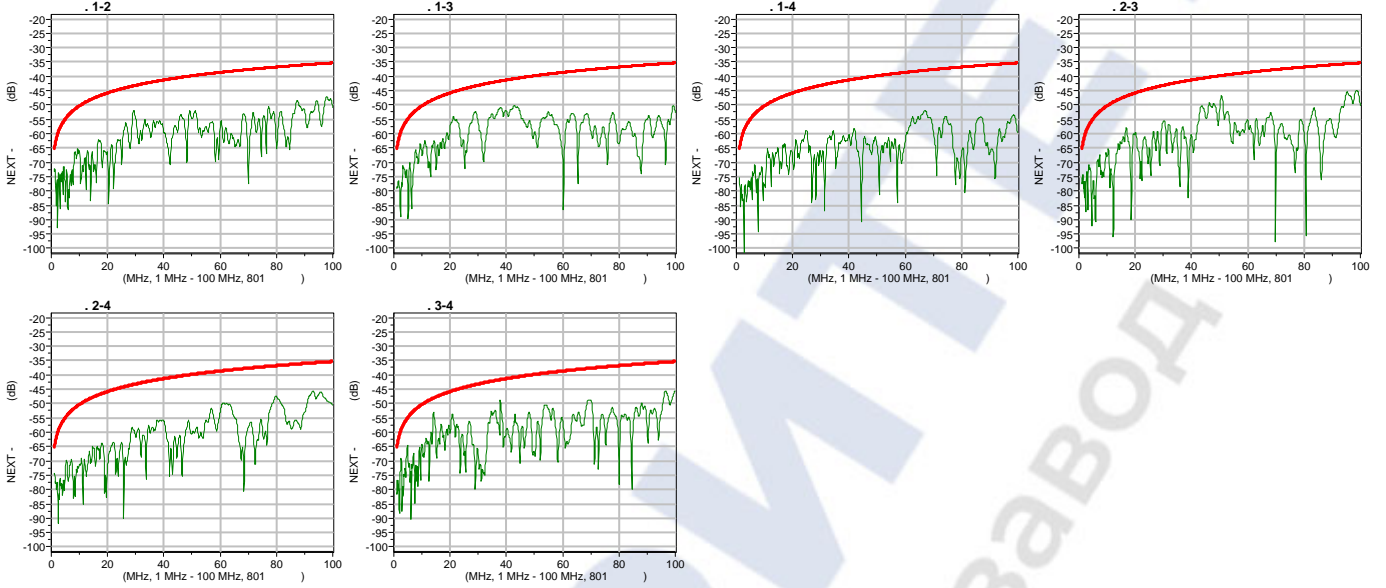
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1	1	100	401	103,29 [100]	109,50 [1]		ü
2	1	100	401	100,13 [5,95]	106,05 [1]		ü
3	1	100	401	100,12 [100]	106,67 [1]		ü
4	1	100	401	102,34 [100]	106,95 [1]		ü



	[MHz]		Z0 (Ohm)								No.
	[MHz]		1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	
1	109,50	104,13	103,66	103,55	103,55	103,51	103,44	103,35	103,29	-	
2	106,05	100,30	100,32	100,70	100,90	101,33	101,96	102,33	102,33	-	
3	106,67	101,75	100,83	100,57	100,49	100,35	100,19	100,12	100,12	-	
4	106,95	103,12	103,09	102,99	102,93	102,78	102,51	102,34	102,34	-	

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

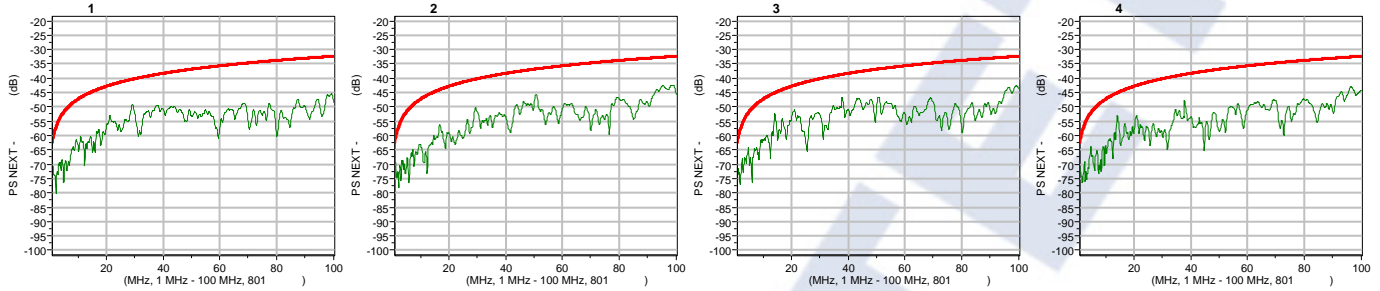
	f	f		{ v [f] }	{ v [f] }		{ m (v l) [f] }
1-2	1	100	801	46,97 [97,9]	93,03 [2,237]	7,65	(72,19 < 64,54) [1,124] ù
1-3	1	100	801	50,10 [42,83]	89,72 [5,084]	8,55	(53,96 < 45,41) [21,17] ù
1-4	1	100	801	52,03 [67,08]	102,92 [2,732]	9,91	(75,21 < 65,30) [1] ù
2-3	1	100	801	44,99 [98,76]	97,91 [69,93]	7,15	(46,88 < 39,73) [50,62] ù
2-4	1	100	801	45,64 [92,95]	91,81 [2,485]	9,30	(74,60 < 65,30) [1] ù
3-4	1	100	801	45,53 [100]	90,57 [6,197]	5,05	(53,10 < 48,05) [14,12] 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		73,17	74,76	65,89	77,07	68,78	63,54	60,26	51,00	-
1-4		79,21	73,94	67,58	67,74	57,30	62,90	55,02	52,52	-
2-3		75,21	78,88	77,92	72,10	69,85	77,57	54,31	59,73	-
2-4		75,53	71,86	67,86	62,01	59,80	67,00	60,00	50,10	-
3-4		74,60	81,94	71,08	67,37	71,16	59,43	50,11	50,67	-
		76,94	72,69	64,34	62,11	60,17	76,11	62,56	45,53	-

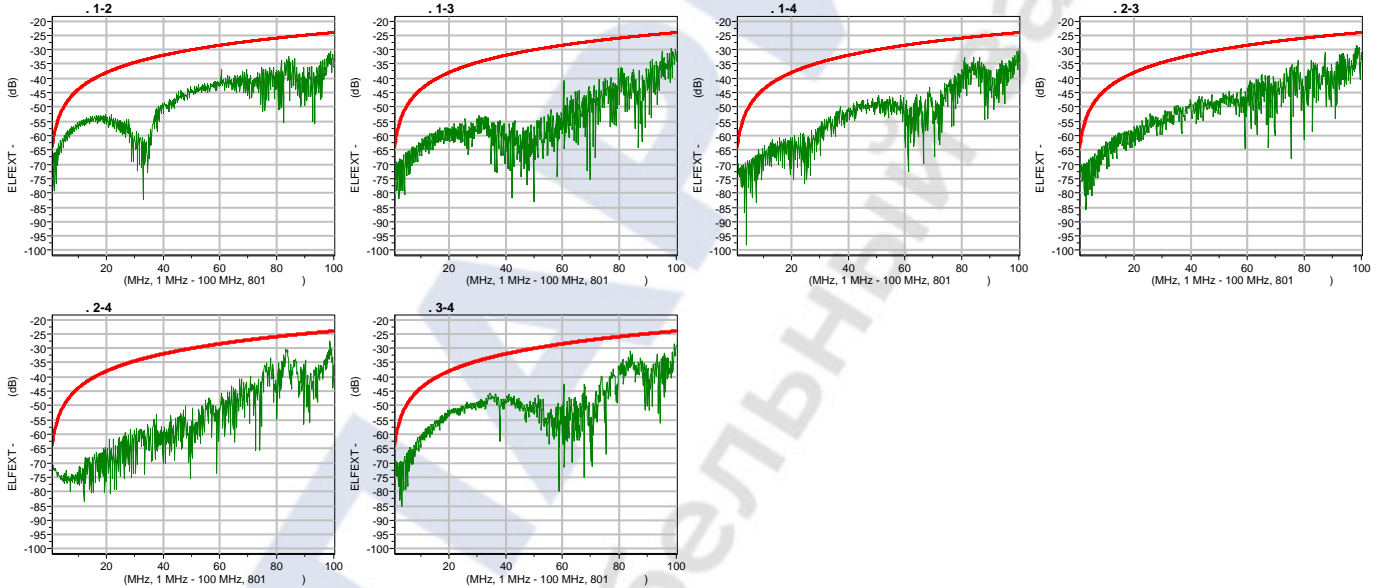
NEXT - (PS NEXT - )  
{ v = . (dB) / = (dB) m = (dB) f = (MHz) }

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1	1	100	801	45,40 [99,13]	80,22 [2,237]	8,14 (70,44 < 62,30) [1]	ü
2	1	100	801	42,35 [98,39]	78,12 [2,361]	7,25 (69,55 < 62,30) [1]	ü
3	1	100	801	42,56 [99,13]	77,08 [1,99]	7,33 (52,39 < 45,05) [14,12]	ü
4	1	100	801	43,01 [96,29]	76,58 [1,866]	7,78 (52,83 < 45,05) [14,12]	ü



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

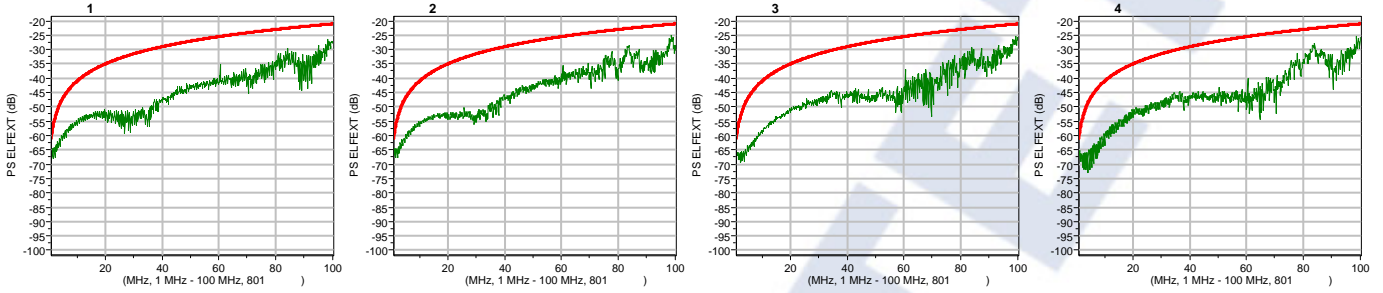
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }	
1-2	1	100	801	30,69 [98,89]	82,35 [32,93]	4,33 (66,41 < 62,08) [1,247]	ü
1-3	1	100	801	29,49 [98,27]	82,96 [49,88]	5,34 (29,49 < 24,15) [98,27]	ü
1-4	1	100	801	30,09 [100]	98,24 [4,217]	6,09 (30,09 < 24,00) [100]	ü
2-3	1	100	801	28,39 [98,39]	85,82 [3,227]	4,25 (28,39 < 24,14) [98,39]	ü
2-4	1	100	801	27,33 [98,76]	83,38 [12,14]	3,22 (27,33 < 24,11) [98,76]	ü
3-4	1	100	801	28,60 [99,26]	85,01 [3,475]	4,53 (28,60 < 24,06) [99,26]	ü



**ELFEXT (PS ELFEXT)**

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

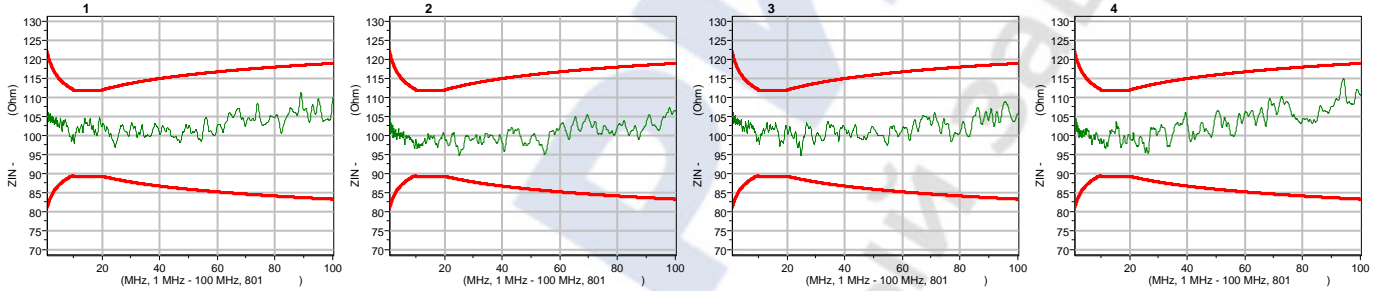
	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	26,55 [98,27]	67,91 [1,619]	5,13 (65,12 < 59,99) [1,124] ü
2	1	100	801	25,16 [98,64]	67,78 [1,619]	4,04 (25,16 < 21,12) [98,64] ü
3	1	100	801	25,51 [99,26]	69,29 [2,485]	4,45 (25,51 < 21,06) [99,26] ü
4	1	100	801	25,50 [98,64]	72,99 [4,217]	4,38 (25,50 < 21,12) [98,64] ü



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

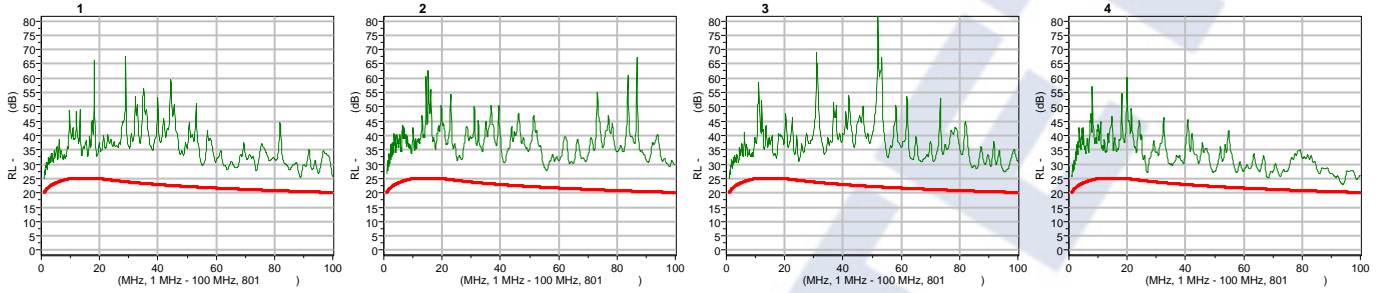
**(ZIN - )**

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	96,98 [24,51]	111,15 [88,99]	7,18 (104,74 > 111,92) [19,07] ü
2	1	100	801	94,78 [25,13]	107,25 [98,02]	6,28 (94,78 < 88,50) [25,13] ü
3	1	100	801	94,63 [24,88]	109,63 [1]	6,09 (94,63 < 88,53) [24,88] ü
4	1	100	801	95,41 [26,49]	114,93 [94,18]	3,72 (114,93 > 118,65) [94,18] ü



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

	f	f		{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	1	100	801	24,83 [1]	67,47 [28,97]	4,83 (24,83 < 20,00) [1] ü
2	1	100	801	26,86 [1]	67,25 [86,88]	5,94 (27,82 < 21,87) [55,94] ü
3	1	100	801	24,85 [1]	86,35 [51,98]	4,85 (24,85 < 20,00) [1] ü
4	1	100	801	23,01 [93,94]	60,23 [19,93]	2,71 (23,01 < 20,30) [93,94] ü



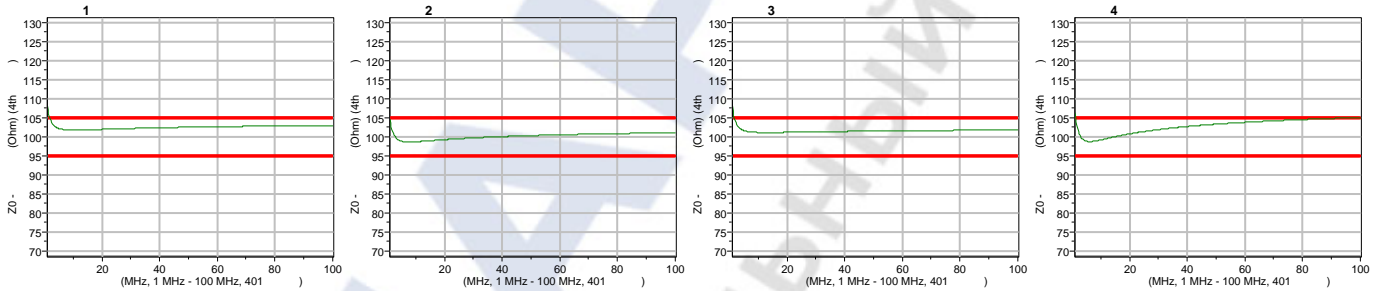
Intervals: { v = . l = m = f = (MHz) } ZIN - (Ohm)

4 - 100 MHz

	v	l	m	f	{ v [f] }	{ v [f] }	{ m (v l) [f] }
1	4,09 - 100,00	776	96,98 [24,51]	111,15 [88,99]	102,83	7,18 (104,74 > 111,92) [19,07]	0 ü
2	4,09 - 100,00	776	94,78 [25,13]	107,25 [98,02]	100,49	6,28 (94,78 < 88,50) [25,13]	0 ü
3	4,09 - 100,00	776	94,63 [24,88]	108,98 [95,67]	101,82	6,09 (94,63 < 88,53) [24,88]	0 ü
4	4,09 - 100,00	776	95,41 [26,49]	114,93 [94,18]	103,38	3,72 (114,93 > 118,65) [94,18]	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	101,78 [10,4]	108,32 [1]	ü
2	1	100	401	98,67 [7,682]	104,83 [1]	ü
3	1	100	401	101,14 [12,88]	108,44 [1]	ü
4	1	100	401	98,78 [5,95]	106,18 [1]	ü



	[MHz]	[MHz]	1,00	4,00	10,00	16,00	20,00	31,25	62,50	100,00	No.
1			1,00	3,97	9,91	16,10	20,06	31,20	62,38	100,00	-
2			108,32	102,56	101,78	101,87	101,97	102,23	102,69	102,99	-
3			104,83	99,21	98,73	99,07	99,29	99,78	100,59	101,09	-
4			108,44	102,03	101,17	101,15	101,20	101,34	101,61	101,80	-
			106,18	99,20	99,22	100,24	100,81	102,03	103,91	105,06	-