

Appendix A for KSCR220500068501

1. Spurious Emissions

1.1 Field Strength of the Fundamental Signal

Test channel	Freq. (MHz)	Result Level (dB μ V/m)	Limit Line (dB μ V/m)	Over Limit (dB)	Detector	Polarization
Channel 1	315.00	76.12	95.62	-19.50	Peak	Vertical
		86.25	95.62	-9.37	Peak	Horizontal
		62.26	75.62	-13.36	Average	Vertical
		72.39	75.62	-3.23	Average	Horizontal

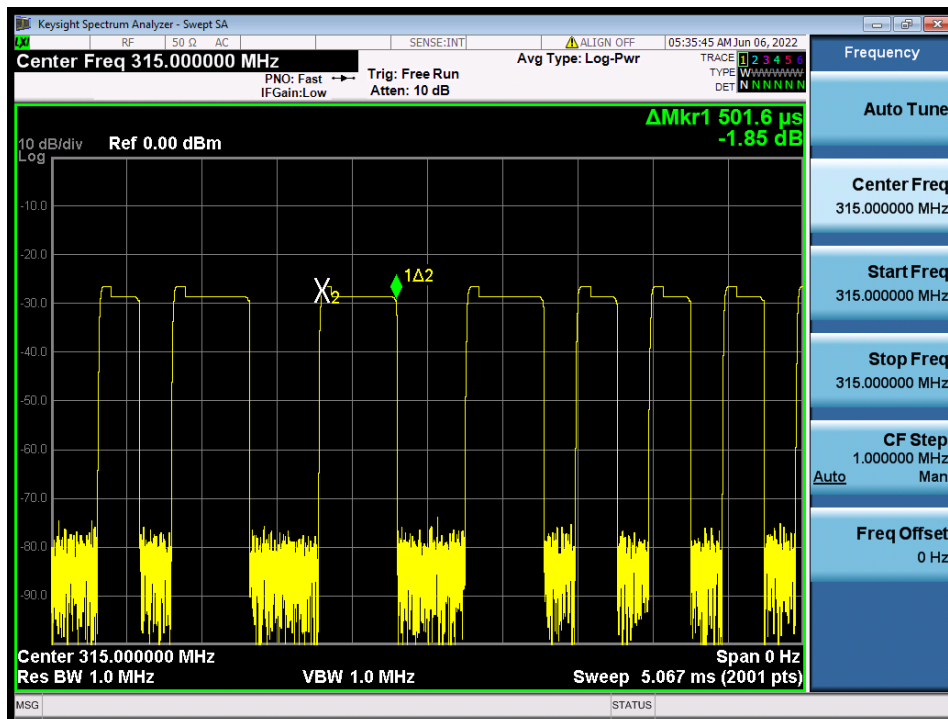
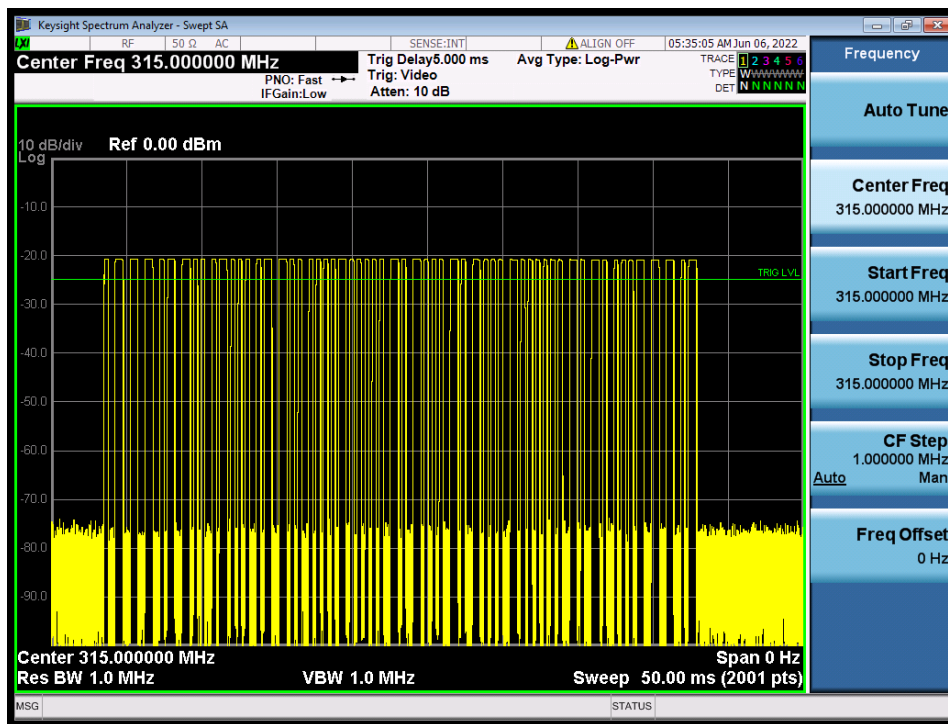
315.00MHz



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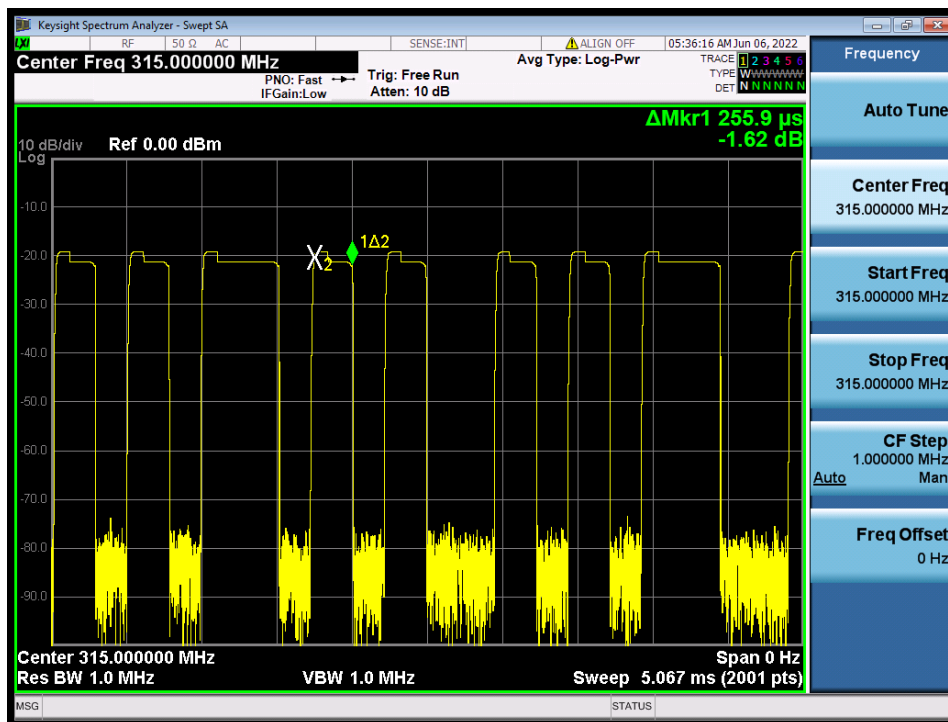
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Remark:

1. If the Peak value below the AV Limit, the AV test doesn't perform for this submission.
2. Average level=Peak level-Duty Cycle Factor
3. Duty Cycle Factor= $20\log(\text{Duty Cycle}) = 20\log((20 \times 0.5016 + 40 \times 0.2559)/100) = -13.86\text{dB}$



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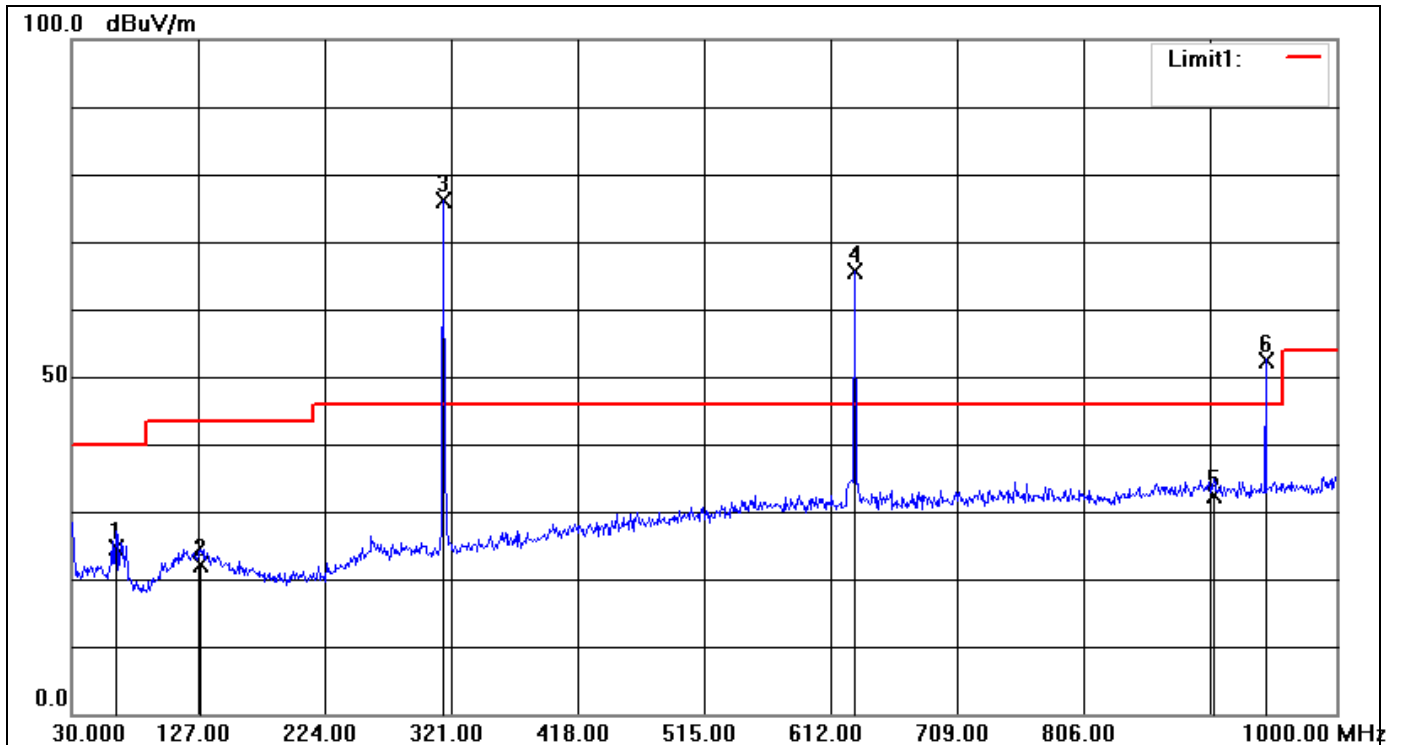
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1.2 Spurious Emissions

Below 1GHz

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	63.9500	9.87	14.78	24.65	40.00	-15.35	QP
2	128.9400	2.72	19.41	22.13	43.50	-21.37	QP
3	315.1800	55.12	21.00	76.12	95.62	-19.50	Peak
4	630.4300	38.07	27.58	65.65	75.62	-9.97	Peak
5	905.9100	29.94	2.47	32.41	46.00	-13.59	QP
6	945.6800	49.89	2.61	52.50	75.62	-23.12	Peak

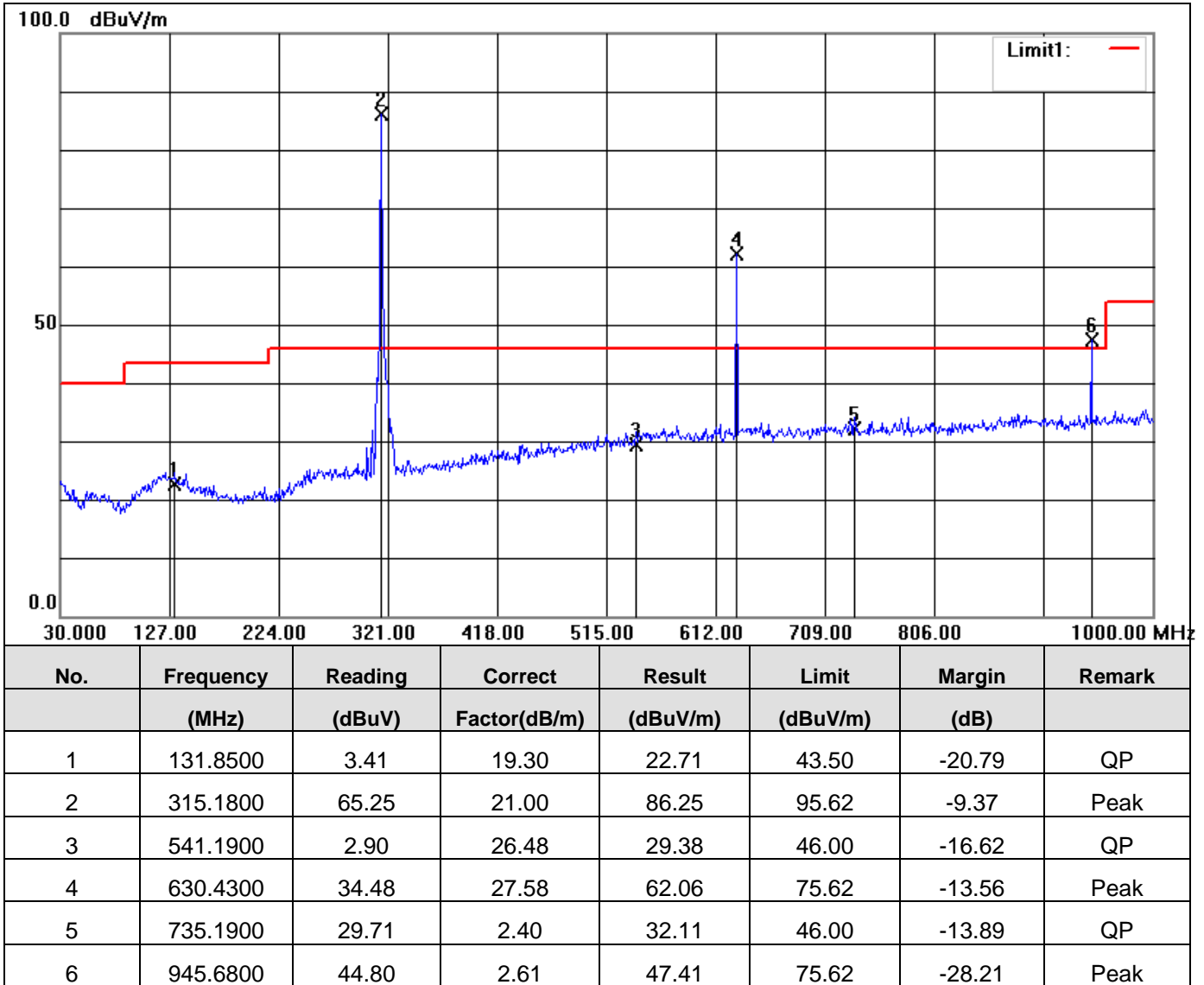


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Horizontal:



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Peak value:				
Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
315.1800	86.25	95.62	-9.37	Horizontal
630.4300	62.06	75.62	-13.56	Horizontal
945.6800	47.71	75.62	-27.91	Horizontal
315.1800	76.12	95.62	-19.50	Vertical
630.4300	65.65	75.62	-9.97	Vertical
945.6800	52.50	75.62	-23.12	Vertical

Average value:						
Frequency (MHz)	Average correction factor	Peak Level (dBuV/m)	Average Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
315.1800	-13.86	86.25	72.39	75.62	-3.23	Horizontal
630.4300	-13.86	62.06	48.20	55.62	-7.42	Horizontal
945.6800	-13.86	47.71	33.85	55.62	-21.77	Horizontal
315.1800	-13.86	76.12	62.26	75.62	-13.36	Vertical
630.4300	-13.86	65.65	51.79	55.62	-3.83	Vertical
945.6800	-13.86	52.50	38.64	55.62	-16.98	Vertical

Above 1GHz

Mark	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	polarization
1	1639.000	54.11	-15.57	38.54	54.00	-15.46	peak	Vertical
2	2554.000	54.48	-9.83	44.65	54.00	-9.35	peak	Vertical
3	3331.000	53.94	-7.20	46.74	54.00	-7.26	peak	Vertical
4	1345.000	50.77	-13.08	37.69	54.00	-16.31	peak	Horizontal
5	1861.000	53.27	-13.19	40.08	54.00	-13.92	peak	Horizontal
6	2821.000	55.10	-8.86	46.24	54.00	-7.76	peak	Horizontal



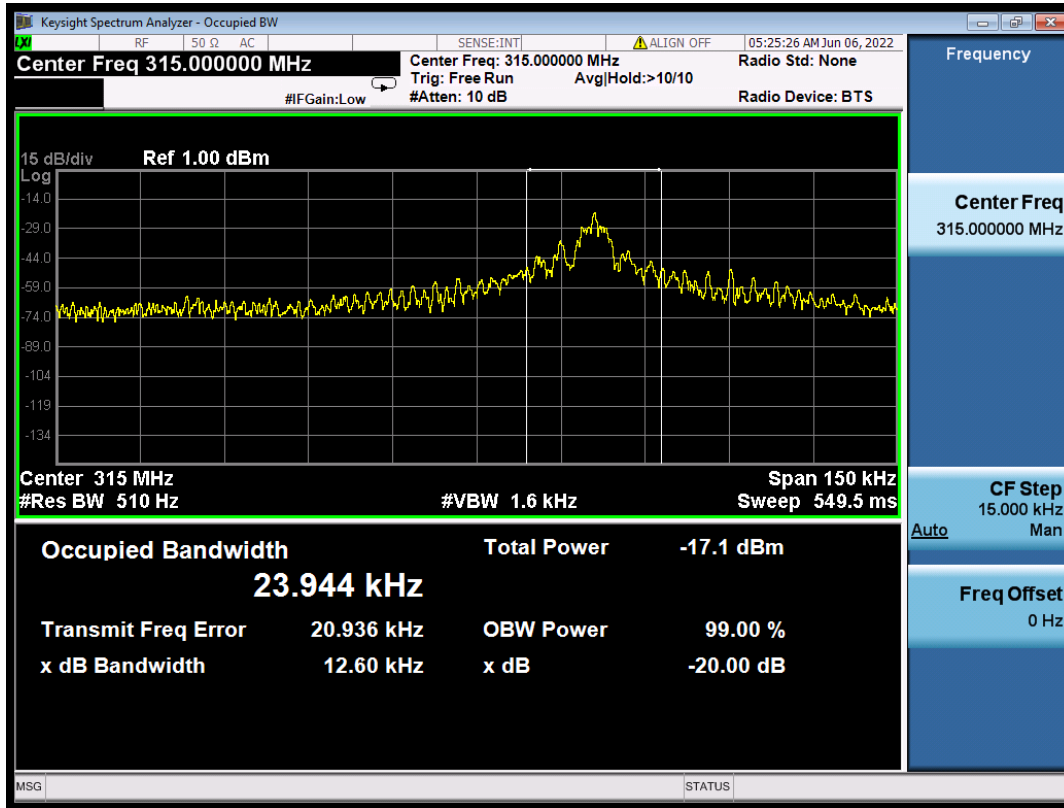
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2. 20dB Bandwidth

Measurement Data:

Frequency (MHz)	20dB bandwidth (kHz)	Limit (kHz)	Results
315.00	12.60	787.50	Pass

Test plot as follows:



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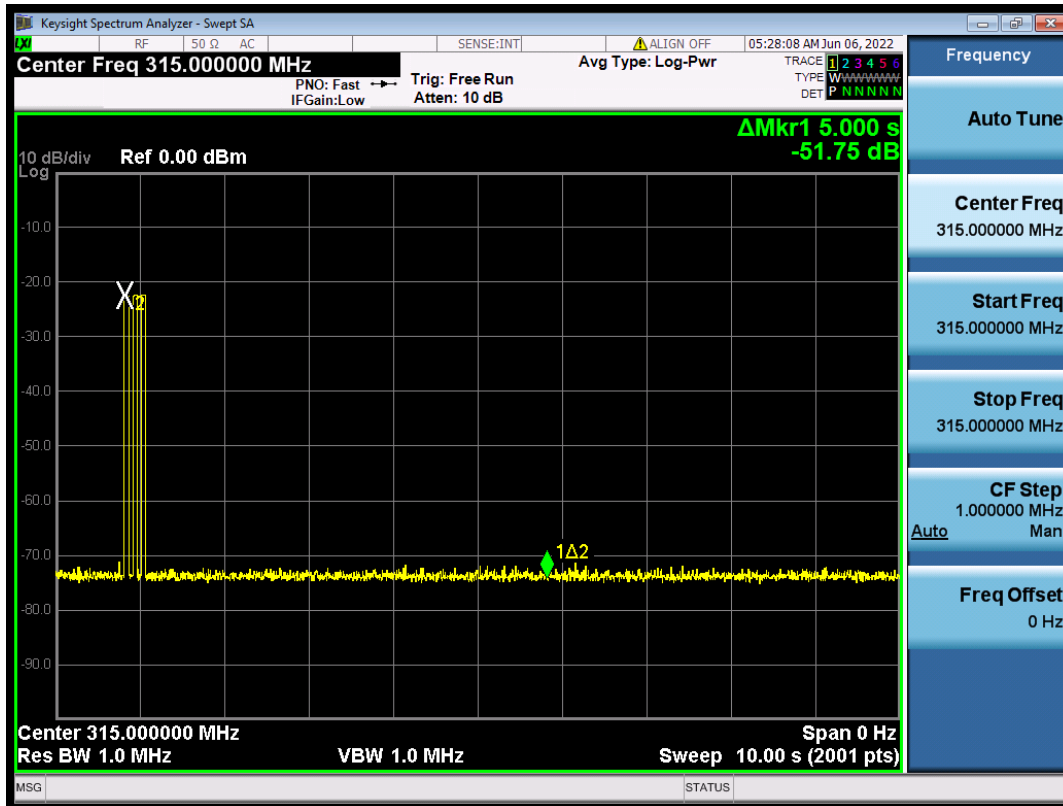
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3. Dwell Time

Measurement Data:

Test item	Limit (s)	Results
Transmission Duration	≤5s	Pass

Test plot as follows:



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