

Appendix A for KSCR220500068701

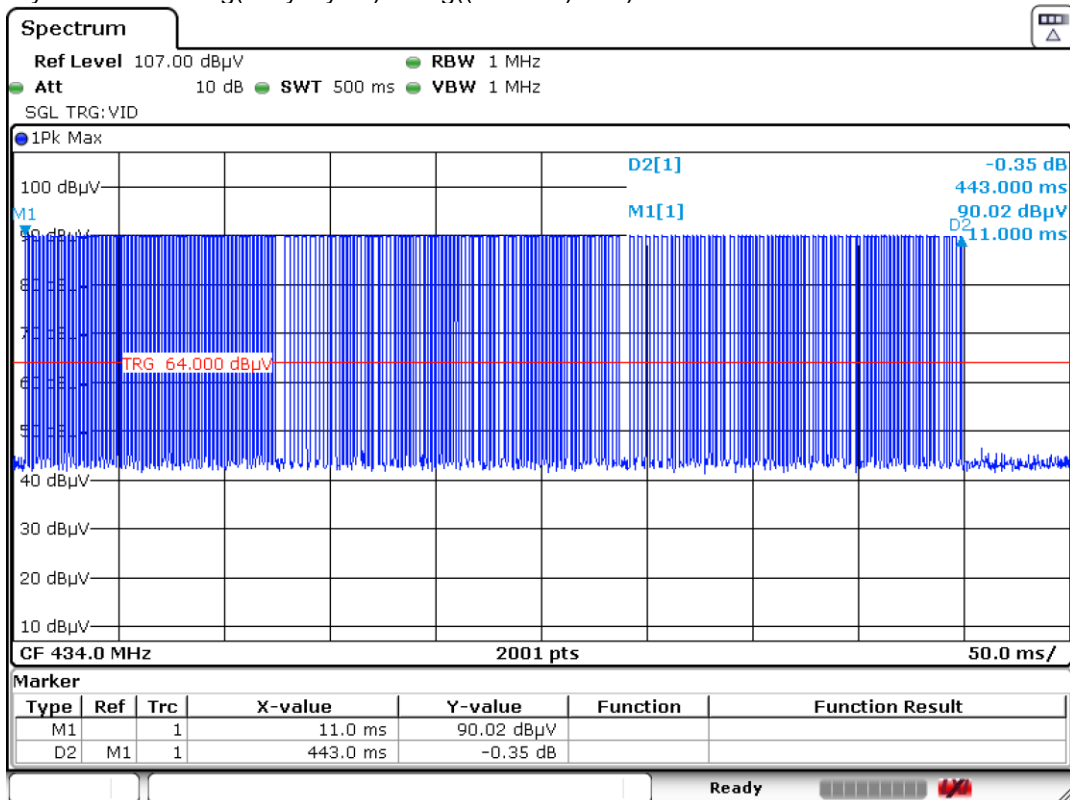
1. Spurious Emissions

1.1 Field Strength of the Fundamental Signal

Test channel	Freq. (MHz)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
Channel 1	434	76.41	100.83	-24.42	Peak	Vertical
		84.31	100.83	-16.52	Peak	Horizontal
		70.30	80.83	-10.53	Average	Vertical
		78.20	80.83	-2.63	Average	Horizontal

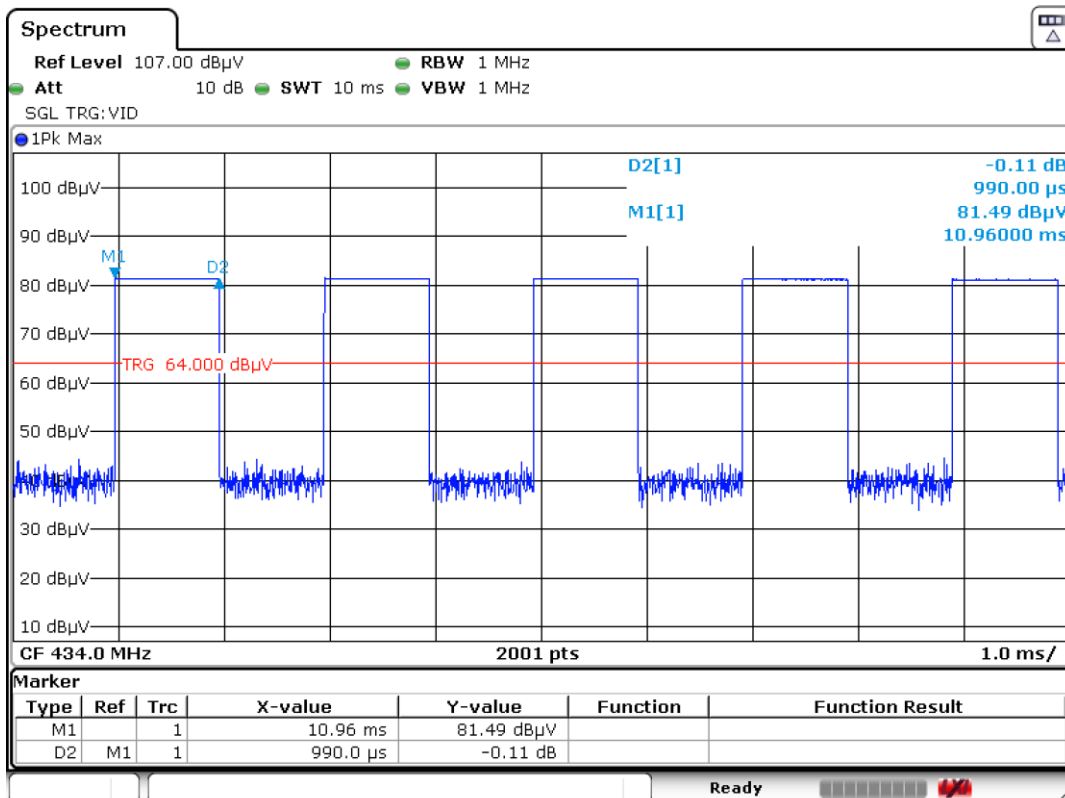
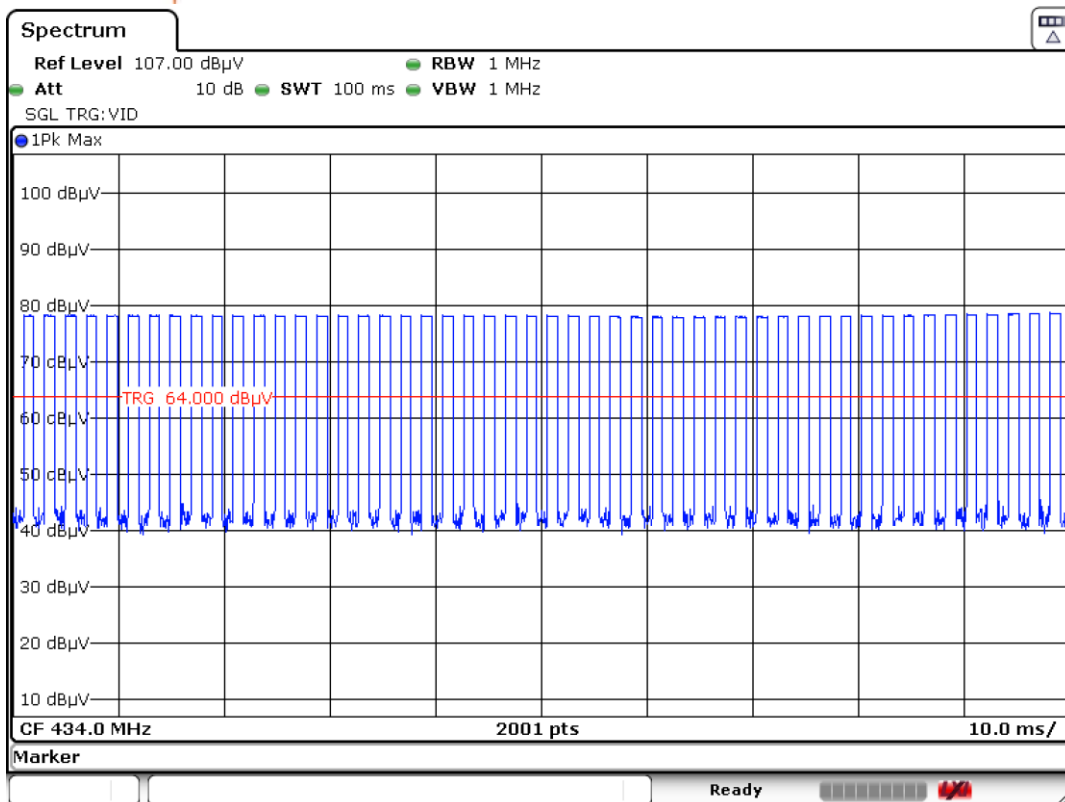
Remark:

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= $20\lg(\text{Duty Cycle}) = 20\lg((50 \times 0.99)/100) = -6.11\text{dB}$



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Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

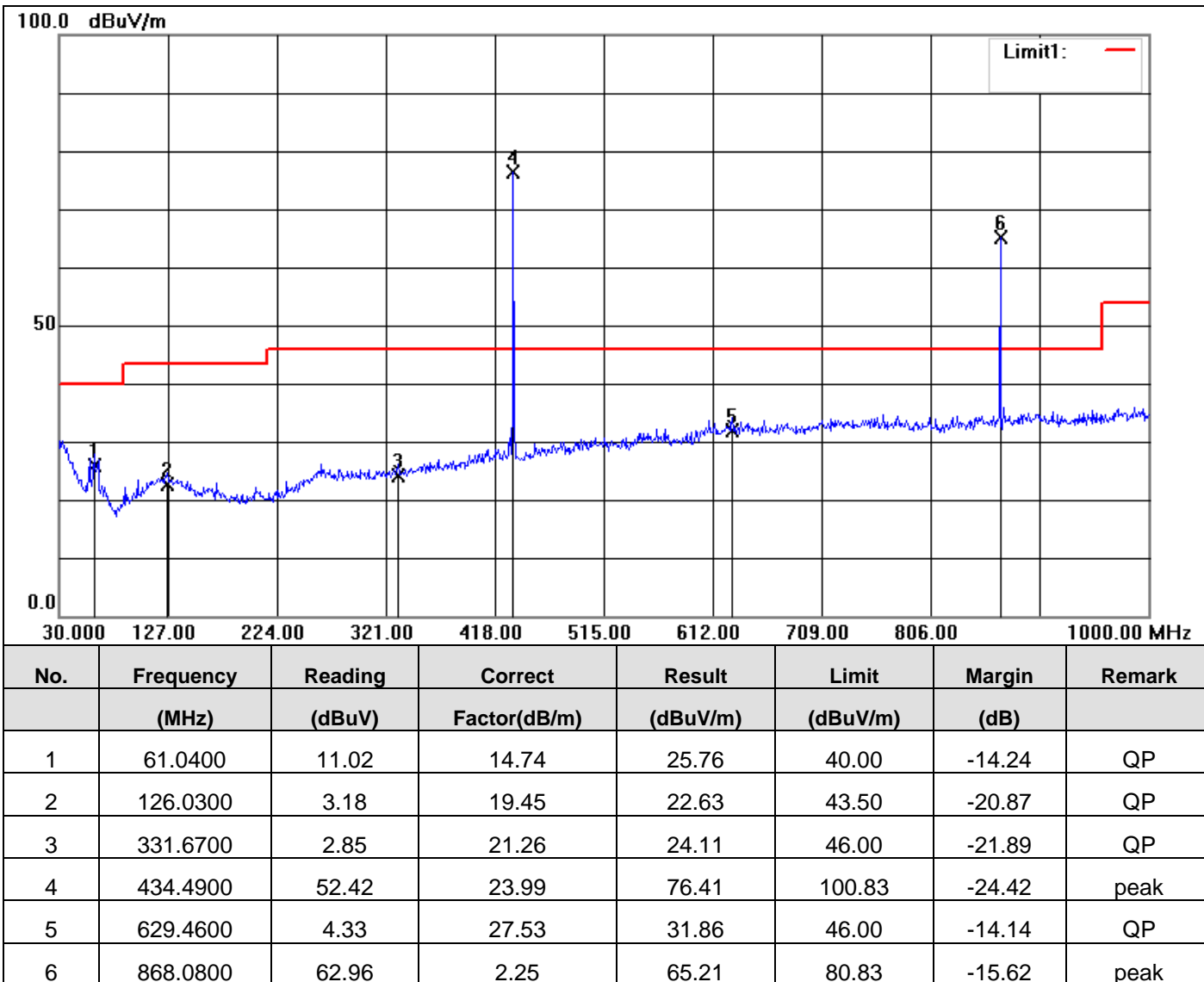
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1.2 Spurious Emissions

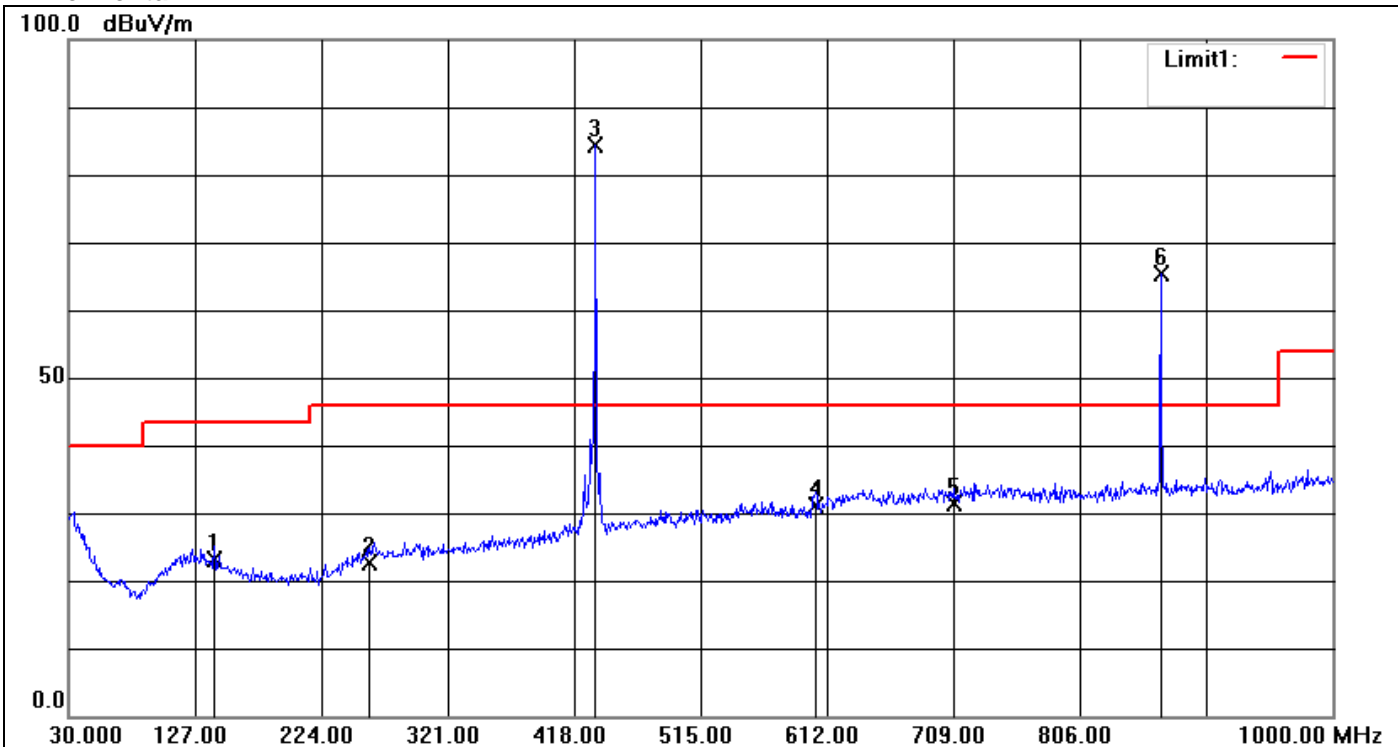
Below 1GHz

Vertical:



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Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	141.5500	4.63	18.38	23.01	43.50	-20.49	QP
2	260.8600	1.59	20.97	22.56	46.00	-23.44	QP
3	434.4900	60.32	23.99	84.31	100.83	-16.52	peak
4	603.2700	4.07	27.10	31.17	46.00	-14.83	QP
5	709.0000	28.90	2.46	31.36	46.00	-14.64	QP
6	868.0800	63.58	2.25	65.83	80.83	-15.00	peak



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Peak value:				
Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
434.4900	84.31	100.83	-16.52	Horizontal
868.0800	65.83	80.83	-15.00	Horizontal
434.4900	76.41	100.83	-24.42	Vertical
868.0800	65.21	80.83	-15.62	Vertical

Average value:						
Frequency (MHz)	Average correction factor	Peak Level (dBuV/m)	Average Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
434.4900	-6.11	84.31	78.20	80.83	-2.63	Horizontal
868.0800	-6.11	65.83	59.72	60.83	-1.11	Horizontal
434.4900	-6.11	76.41	65.78	80.83	-15.05	Vertical
868.0800	-6.11	65.21	59.10	60.83	-1.73	Vertical

1GHz~6GHz

434MHz

Mark	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	polarization
1	1728.000	55.45	-17.21	38.24	54.00	-15.76	peak	Vertical
2	2004.000	53.01	-12.25	40.76	54.00	-13.24	peak	Vertical
3	2848.000	47.88	-6.01	41.87	54.00	-12.13	peak	Vertical
4	1580.000	55.48	-16.63	38.85	54.00	-15.15	peak	Horizontal
5	2144.000	48.77	-9.90	38.87	54.00	-15.13	peak	Horizontal
6	2916.000	50.14	-5.64	44.50	54.00	-9.50	peak	Horizontal



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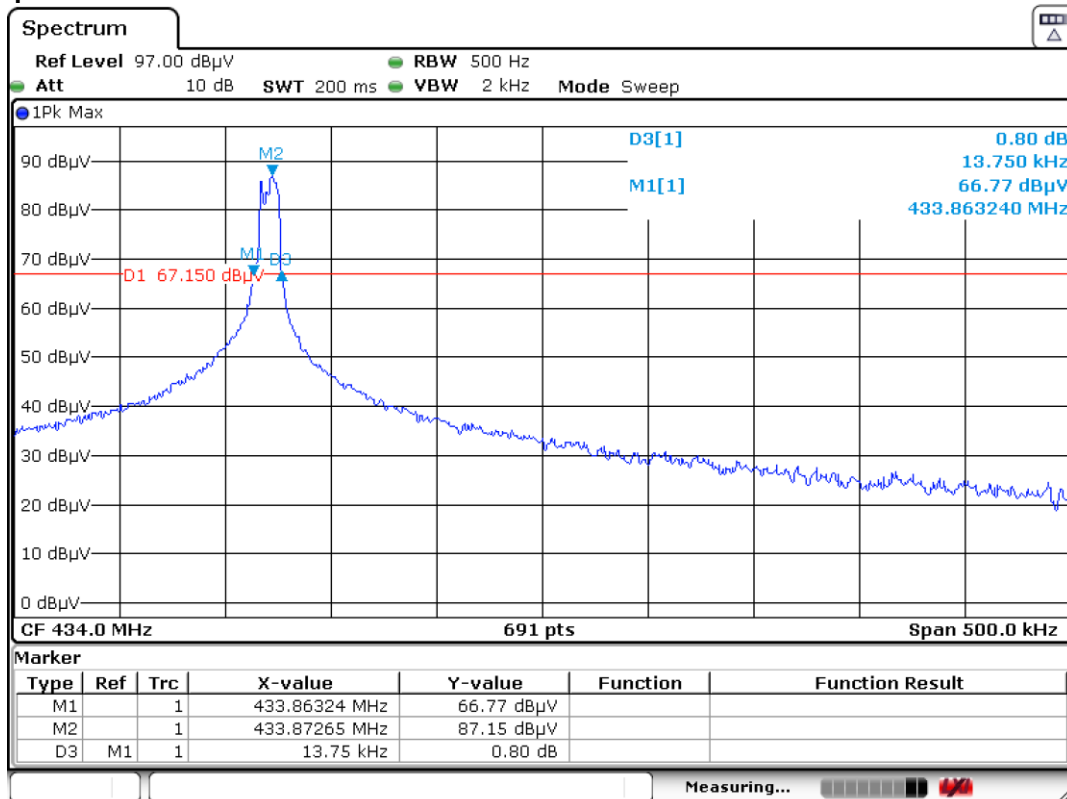
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2. 20dB Bandwidth

Measurement Data:

Frequency (MHz)	20dB bandwidth (kHz)	Limit (kHz)	Results
434.00	13.75	1085.00	Pass

Test plot as follows:



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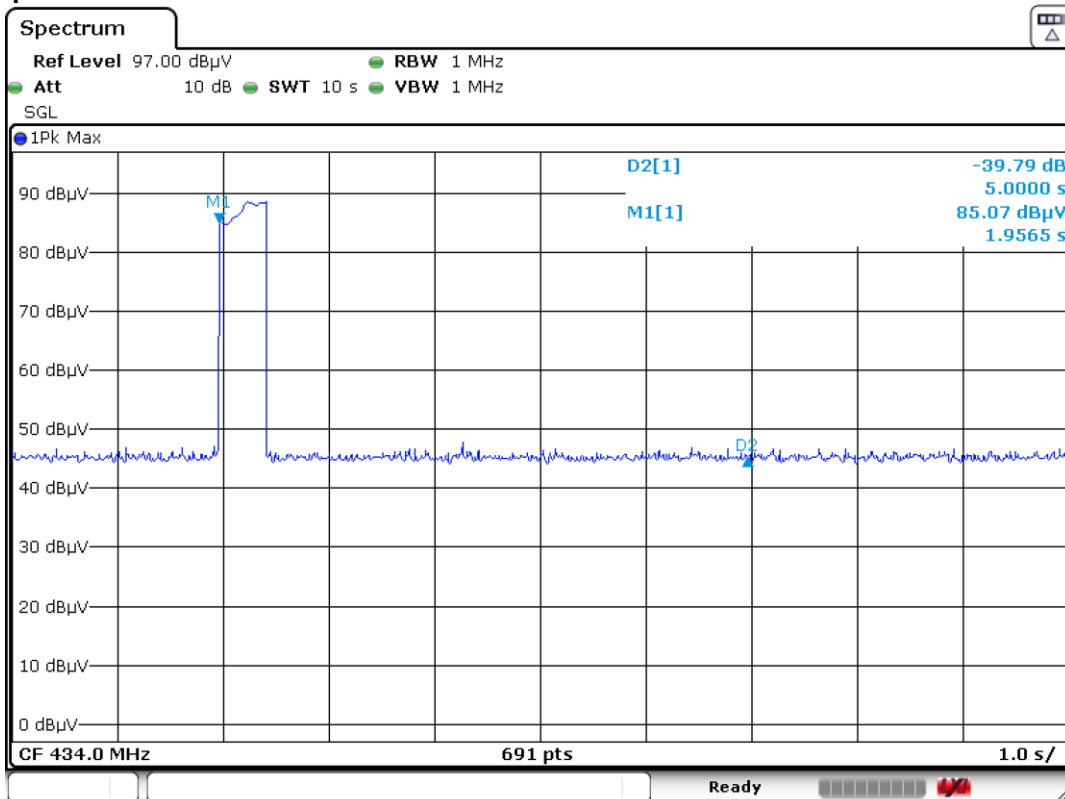
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3. Dwell Time

Measurement Data:

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

Test plot as follows:



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