

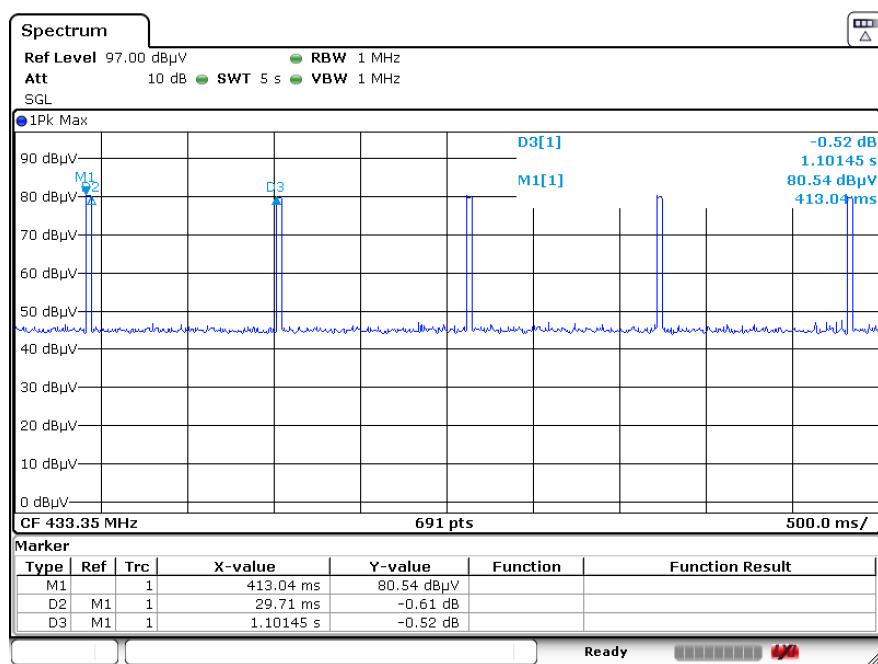
Appendix A for KSCR220500084001

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	433.35	76.72	100.81	-24.09	Peak	Vertical
		86.35	100.81	-14.46	Peak	Horizontal
		66.18	80.81	-14.63	AVG	Vertical
		75.81	80.81	-5.00	AVG	Horizontal
Channel 6	434.6	77.91	100.85	-22.94	Peak	Vertical
		86.10	100.85	-14.75	Peak	Horizontal
		67.37	80.85	-13.48	AVG	Vertical
		75.56	80.85	-5.29	AVG	Horizontal

433.35MHz:



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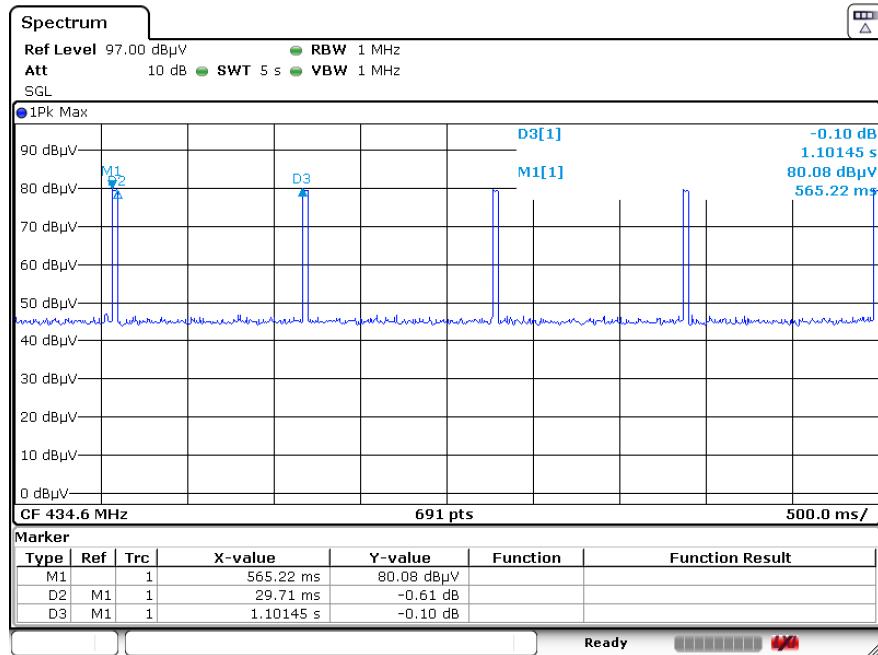
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Remark:

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 = $20 \times \log_{10}(\text{Duty Cycle}) = 20 \times \log_{10}(29.71/100) = -10.54\text{dB}$

434.6MHz:



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 = $20 \times \log_{10}(\text{Duty Cycle}) = 20 \times \log_{10}(29.71/100) = -10.54\text{dB}$



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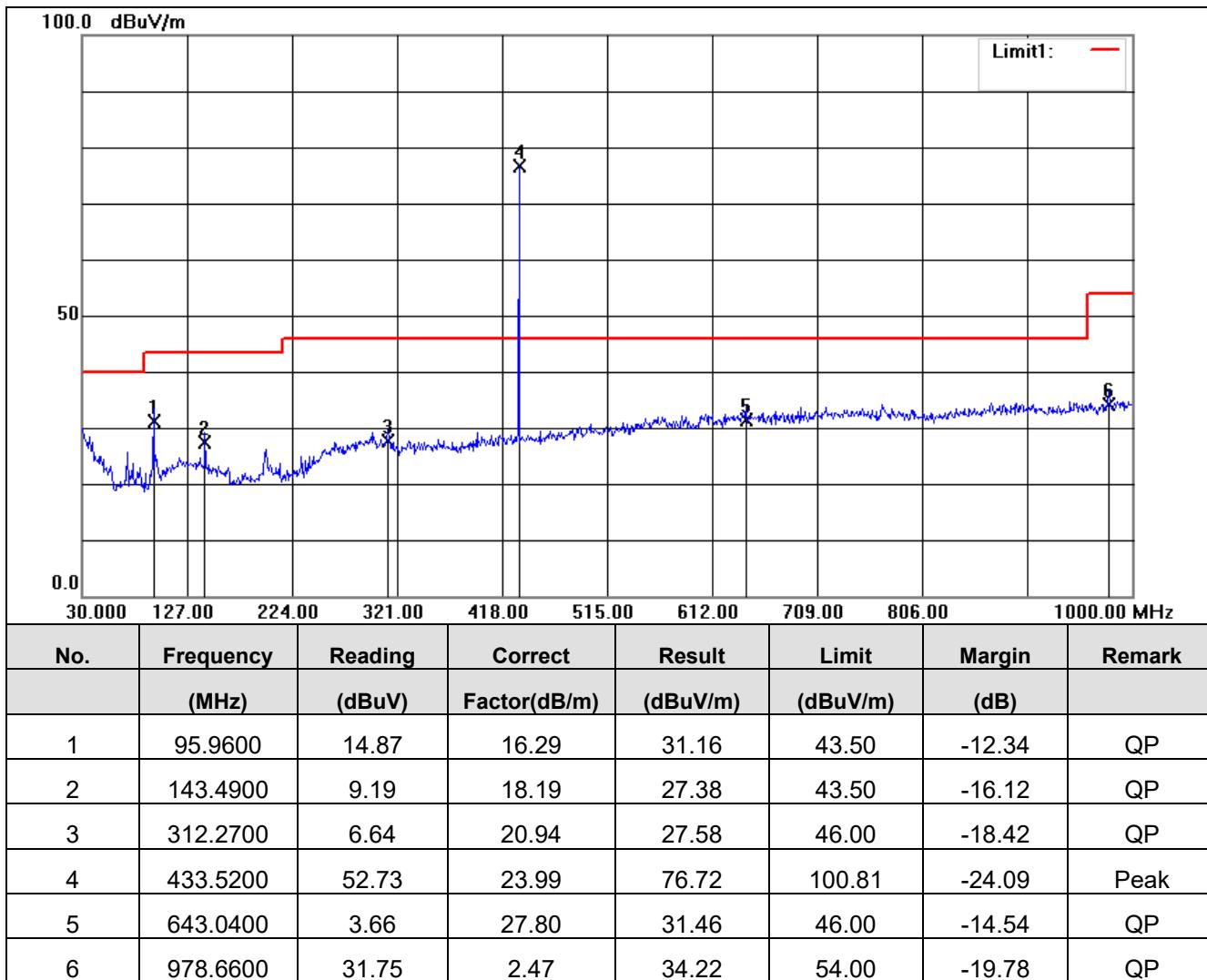
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1.2 Spurious Emissions

Below 1GHz:

433.35MHz:

Vertical:



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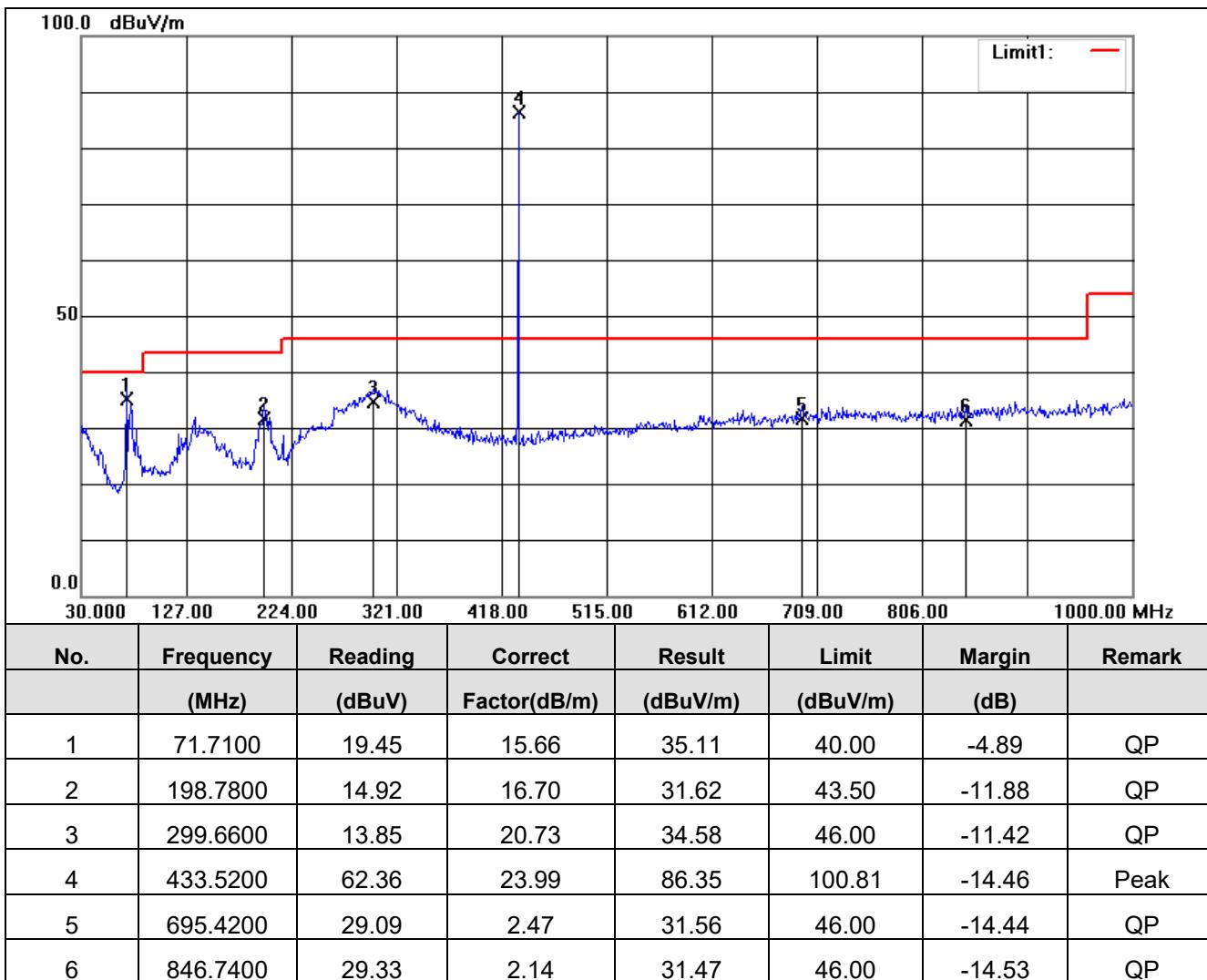
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Horizontal:



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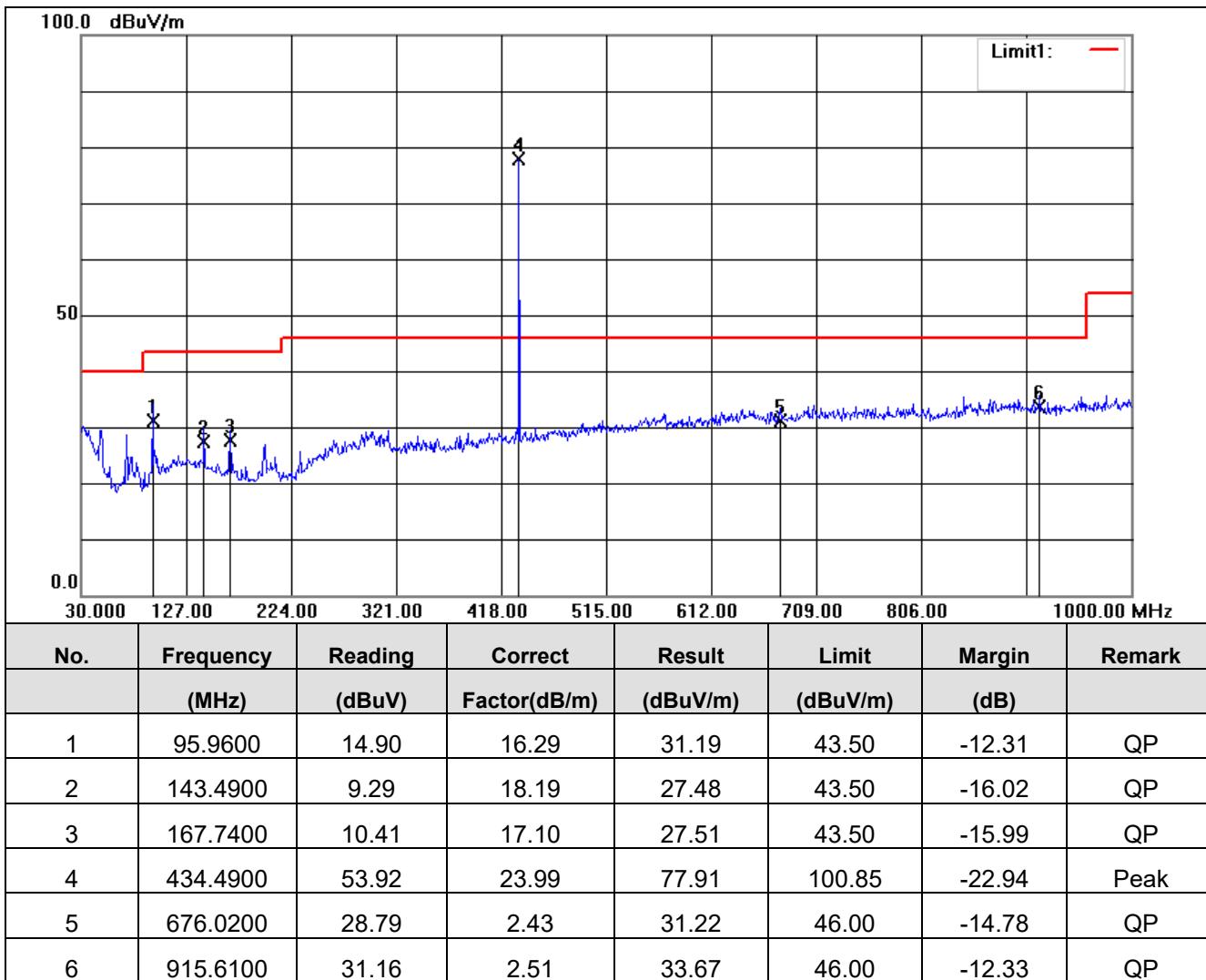
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434.6MHz:

Vertical:



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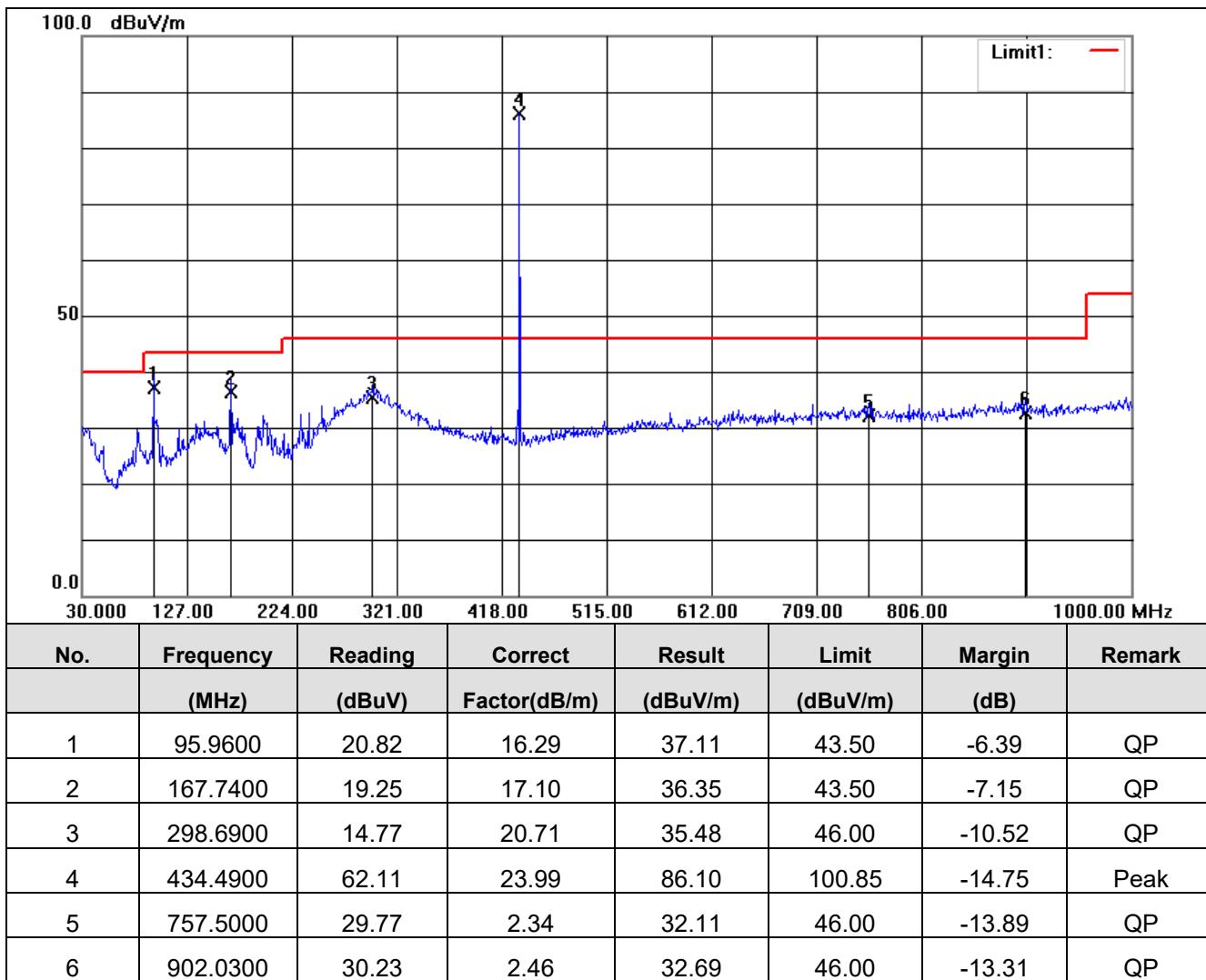


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Horizontal:



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Above 1GHz

433.35MHz:

Mark	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	polarization
1	1252.000	52.19	-19.51	32.68	54.00	-21.32	peak	Vertical
2	2208.000	54.48	-15.07	39.41	54.00	-14.59	peak	Vertical
3	2656.000	53.76	-14.02	39.74	54.00	-14.26	peak	Vertical
4	1840.000	53.23	-17.67	35.56	54.00	-18.44	peak	Horizontal
5	2524.000	52.74	-14.32	38.42	54.00	-15.58	peak	Horizontal
6	3300.000	55.68	-13.05	42.63	54.00	-11.37	peak	Horizontal

434.6MHz:

Mark	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	polarization
1	2292.000	53.62	-14.92	38.70	54.00	-15.30	peak	Vertical
2	3260.000	54.81	-12.97	41.84	54.00	-12.16	peak	Vertical
3	3756.000	55.83	-11.77	44.06	54.00	-9.94	peak	Vertical
4	2804.000	54.73	-13.84	40.89	54.00	-13.11	peak	Horizontal
5	3420.000	55.03	-13.14	41.89	54.00	-12.11	peak	Horizontal
6	3828.000	56.38	-11.66	44.72	54.00	-9.28	peak	Horizontal



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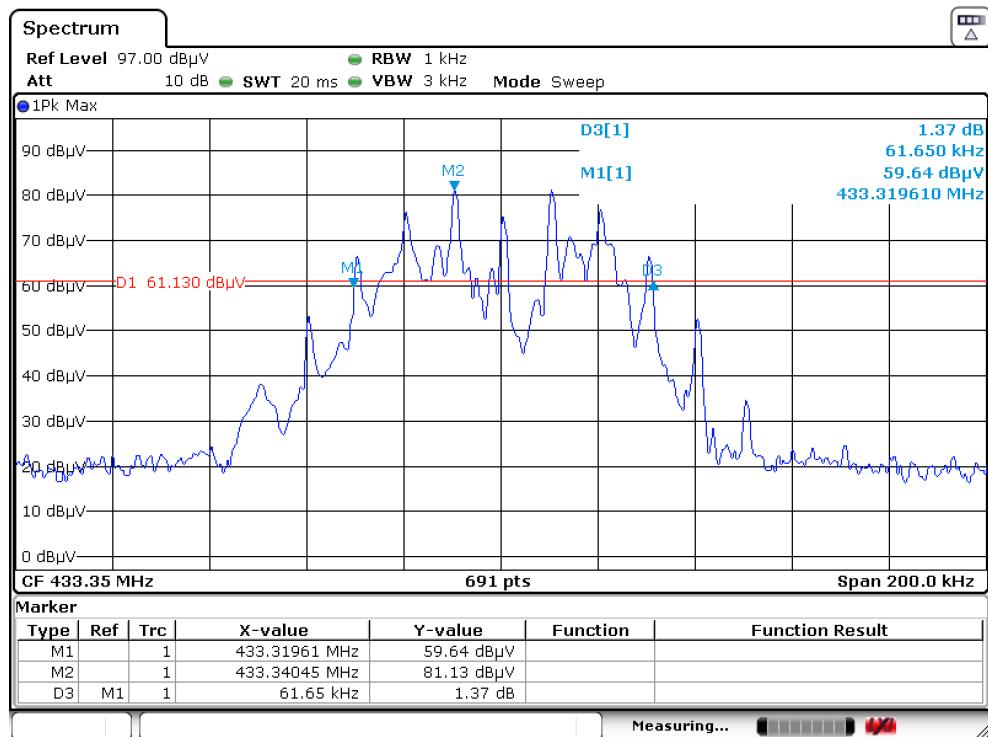
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2 20dB Bandwidth

Measurement Data:

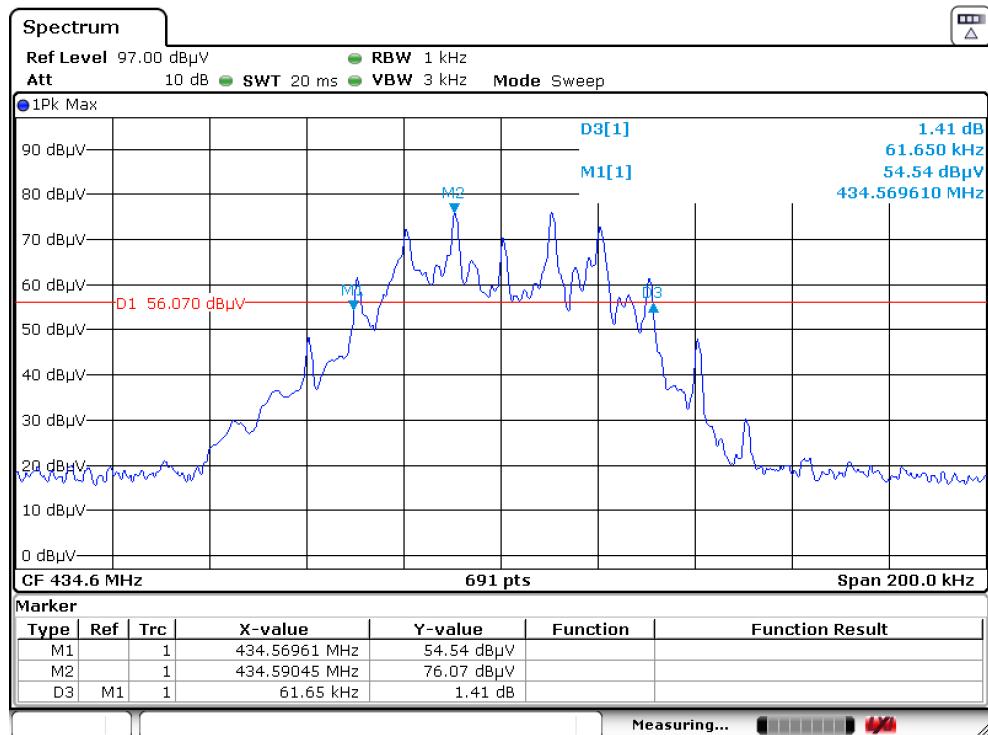
Frequency (MHz)	20dB bandwidth (kHz)	Limit (kHz)	Results
433.35	61.65	1083.375	Pass
434.60	61.65	1086.5	Pass

Test plot as follows:



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3 Dwell Time

Measurement Data:

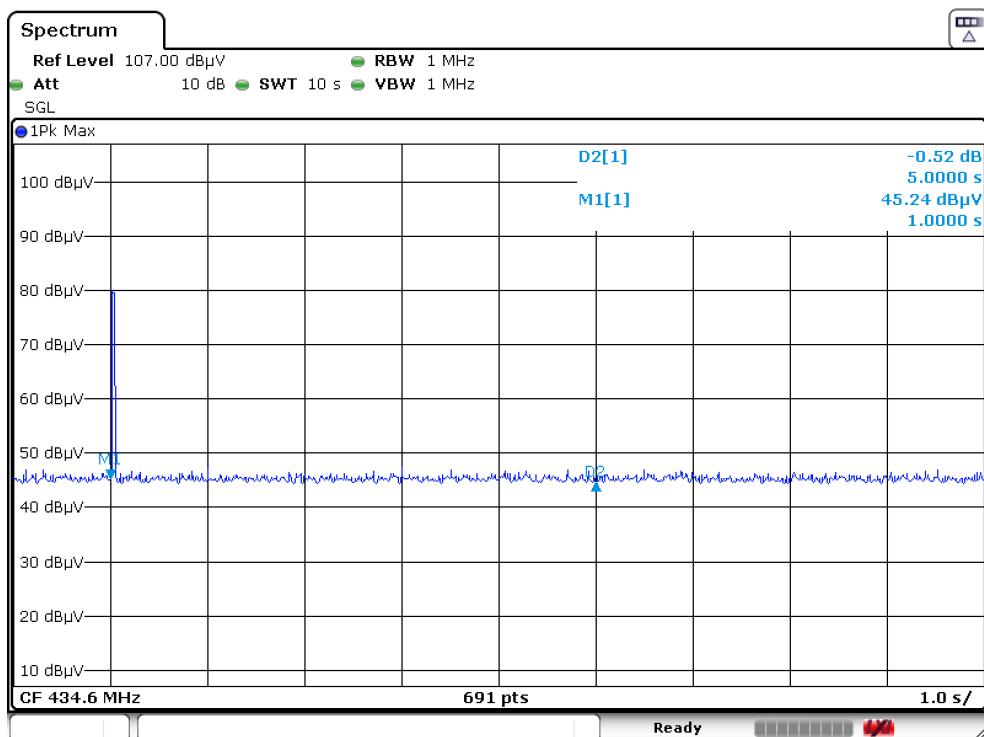
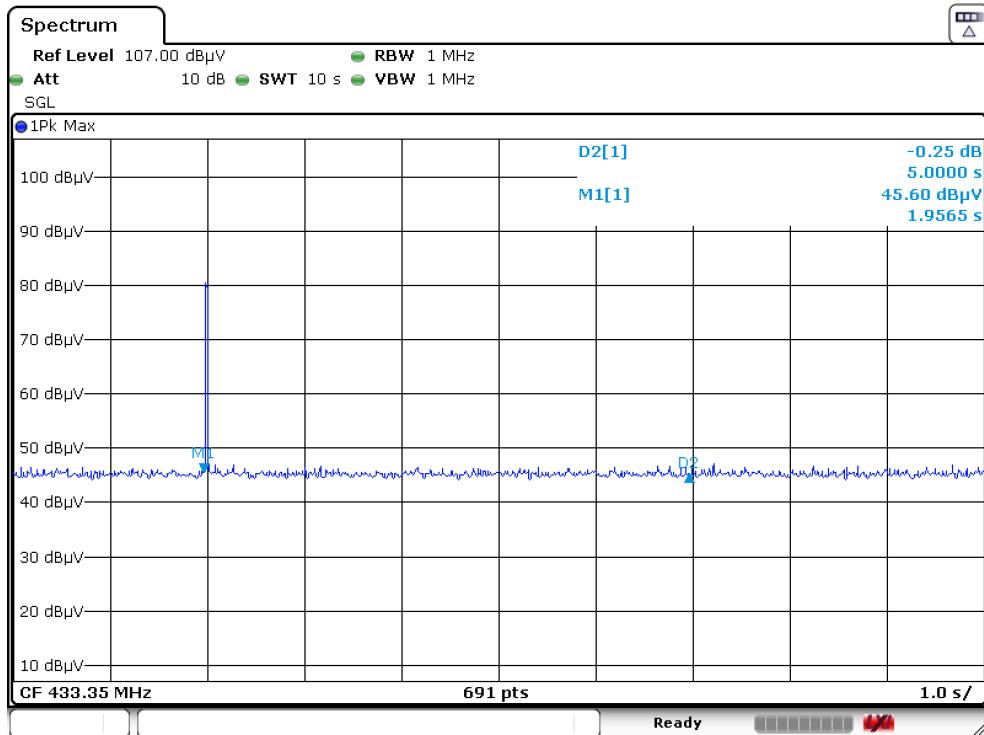
Test item	Limit (s)	Results
Transmission Duration	≤5s	Pass

Test plot as follows:



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