

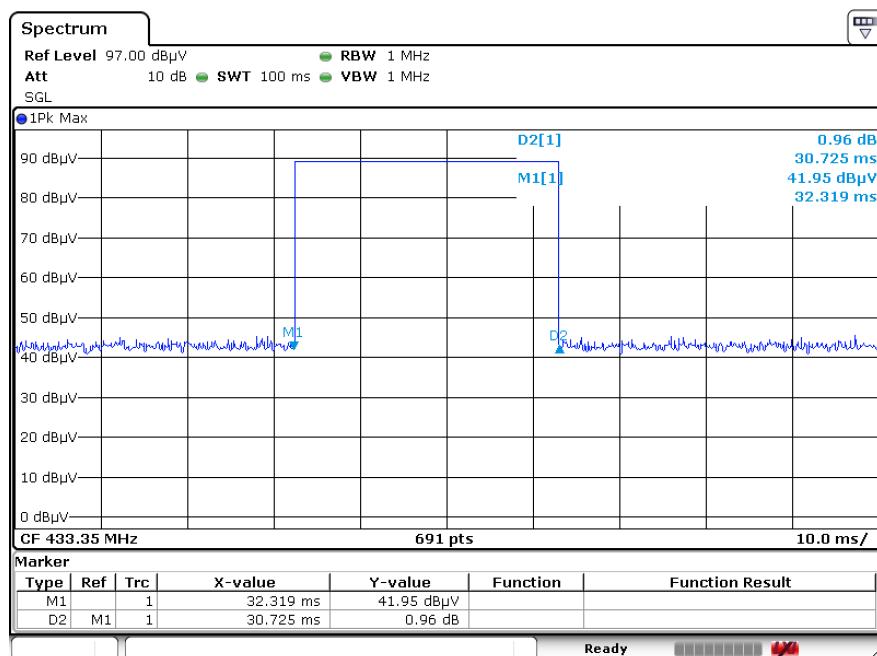
## Appendix A for KSCR220700115802

### 1 Spurious Emissions

#### 1.1 Field Strength of the Fundamental Signal

Test channel	Freq. (MHz)	Result Level (dB $\mu$ V/m)	Limit Line (dB $\mu$ V/m)	Over Limit (dB)	Detector	Polarization
Channel 1	433.35	89.19	100.81	-11.62	Peak	Vertical
		85.73	100.81	-15.08	Peak	Horizontal
		78.94	80.81	-1.87	AVG	Vertical
		75.48	80.81	-5.33	AVG	Horizontal
Channel 6	434.6	88.04	100.85	-12.81	Peak	Vertical
		86.43	100.85	-14.42	Peak	Horizontal
		77.79	80.85	-3.06	AVG	Vertical
		76.18	80.85	-4.67	AVG	Horizontal

433.35MHz:



Remark:

- If the Peak value below the AV Limit, the AV test doesn't perform for this submission.



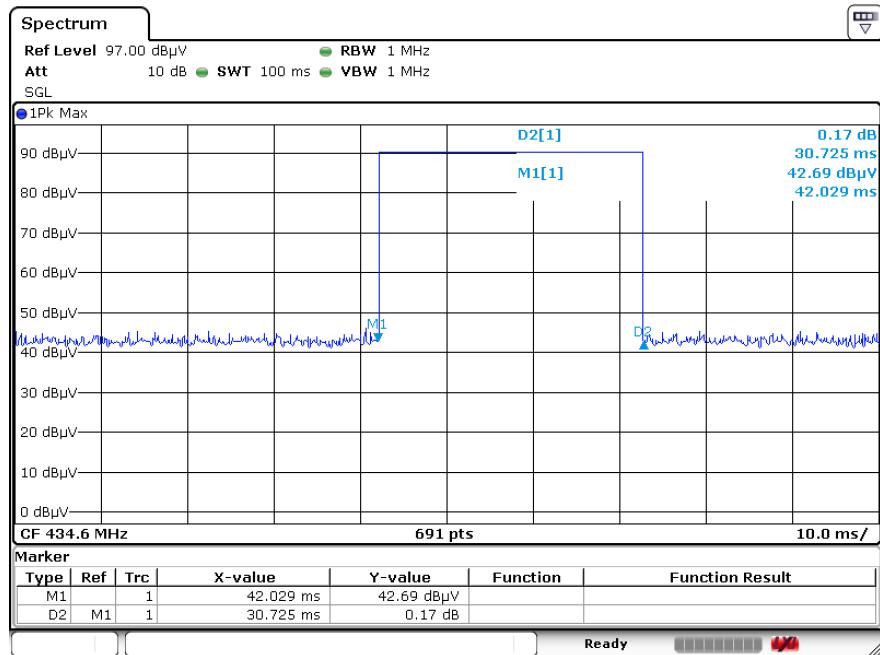
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2. Average level = Peak level - Duty Cycle Factor
3. Duty Cycle Factor =  $20 \log_{10} (\text{Duty Cycle}) = -10.25 \text{ dB}$

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 =  $20 \log_{10} (\text{Duty Cycle}) = -10.25 \text{ dB}$



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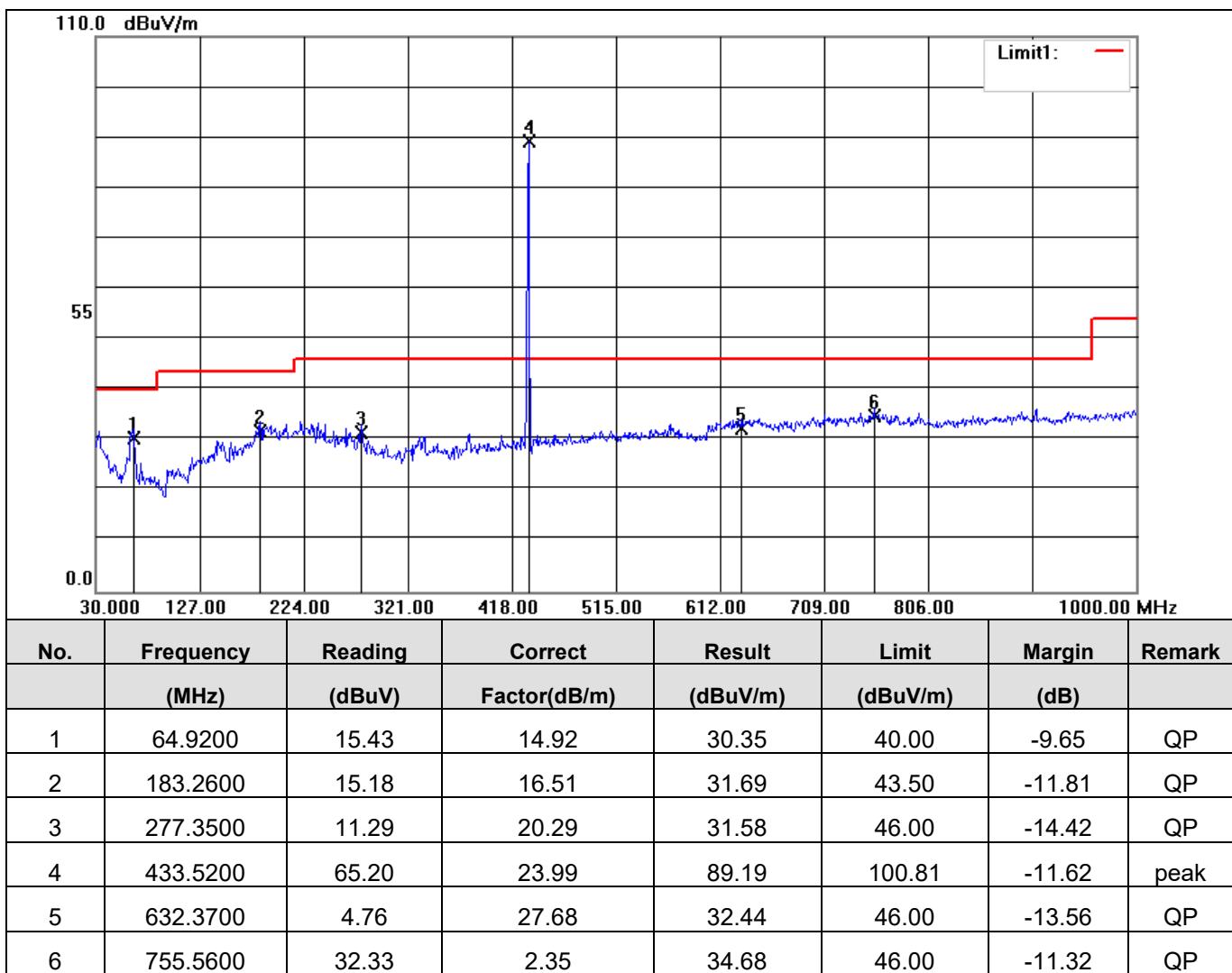
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## 1.2 Spurious Emissions

Below 1GHz:

433.35MHz:

Vertical:

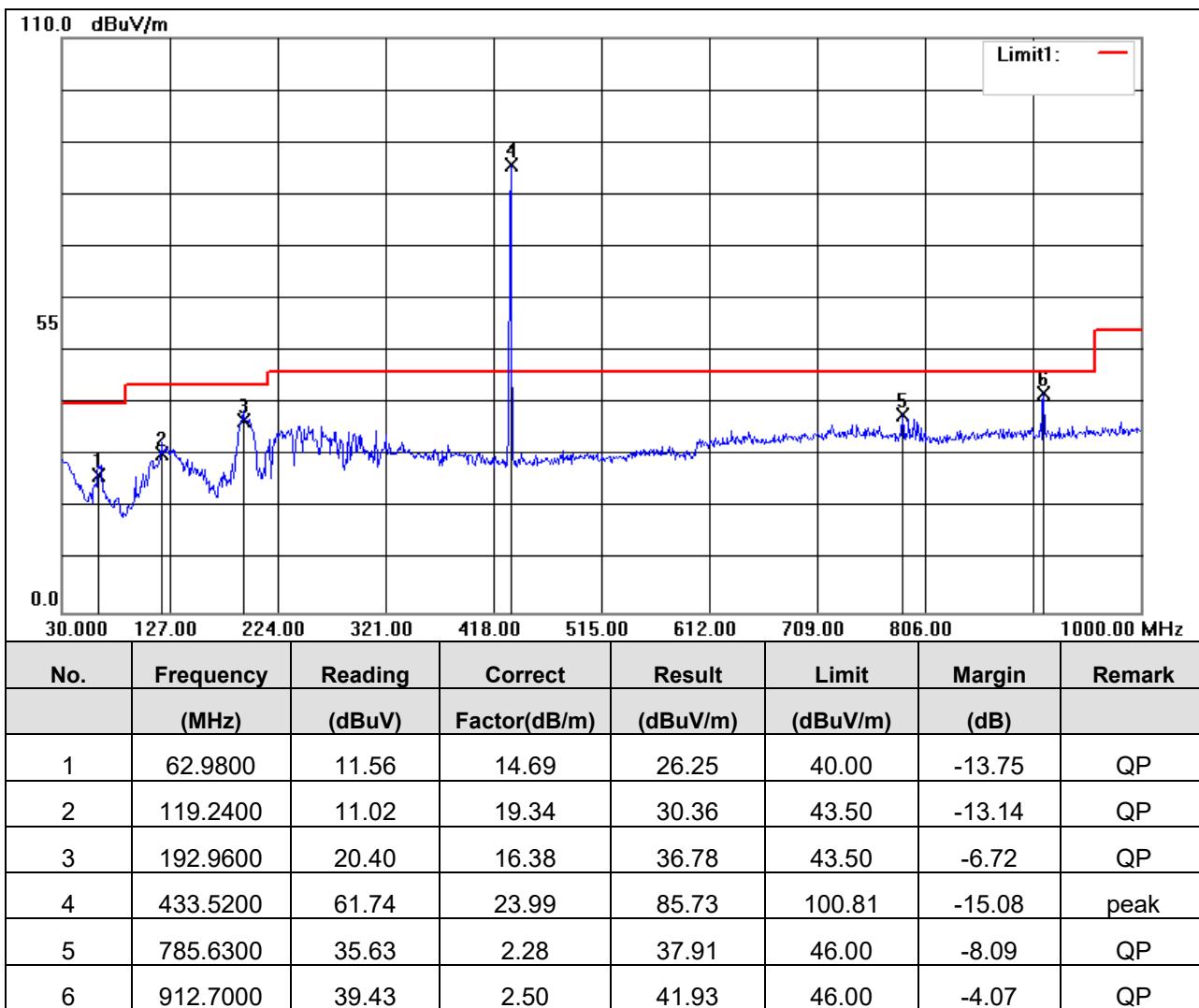


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Horizontal:



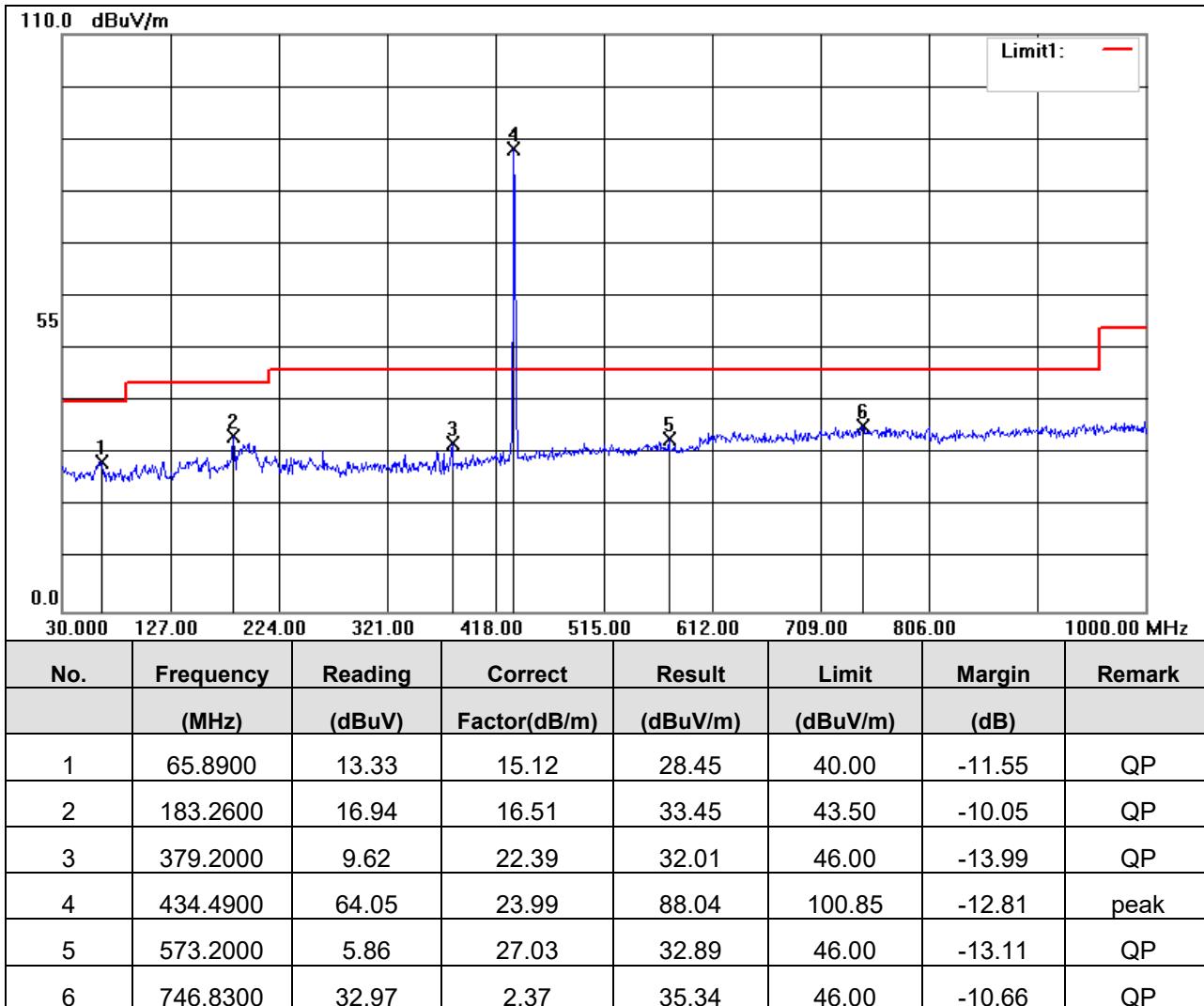
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434.6MHz:

Vertical:

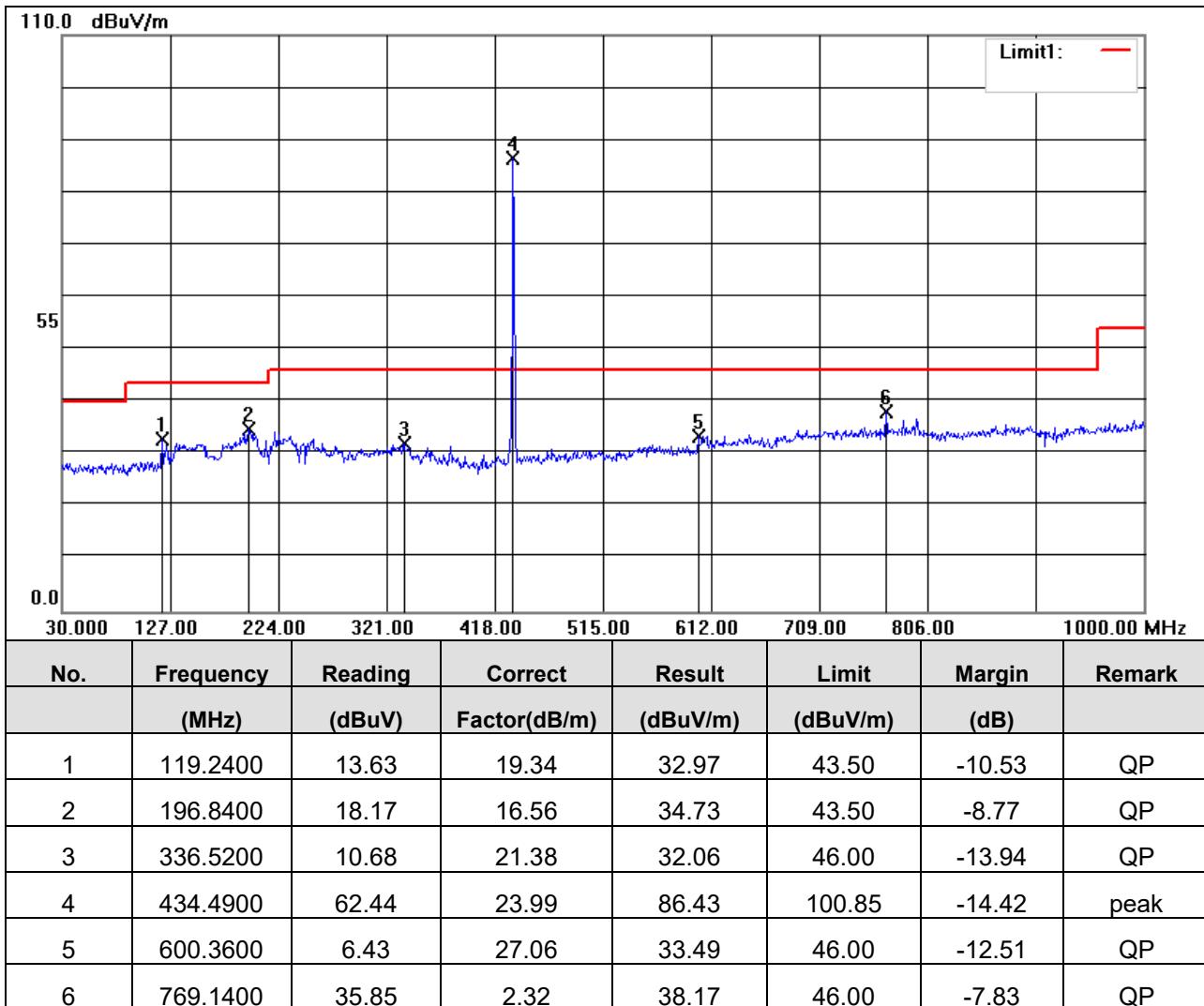


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Horizontal:



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1GHz~6GHz

433.35MHz:

Mark	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	polarization
1	1300.050	55.77	-17.78	37.99	54.00	-16.01	peak	Vertical
2	1733.400	55.61	-17.24	38.37	54.00	-15.63	peak	Vertical
3	2166.750	46.94	-9.52	37.42	54.00	-16.58	peak	Vertical
4	1300.050	58.00	-17.78	40.22	54.00	-13.78	peak	Horizontal
5	1733.400	57.78	-17.24	40.54	54.00	-13.46	peak	Horizontal
6	2166.750	50.15	-9.52	40.63	54.00	-13.37	peak	Horizontal

434.6MHz:

Mark	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	polarization
1	1314.600	49.54	-17.60	31.94	54.00	-22.06	peak	Vertical
2	1749.200	53.63	-17.31	36.32	54.00	-17.68	peak	Vertical
3	2183.800	44.92	-9.23	35.69	54.00	-18.31	peak	Vertical
4	1314.600	57.04	-17.60	39.44	54.00	-14.56	peak	Horizontal
5	1749.200	56.63	-17.31	39.32	54.00	-14.68	peak	Horizontal
6	2183.800	47.92	-9.23	38.69	54.00	-15.31	peak	Horizontal

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## 2 20dB Bandwidth

## Measurement Data:

Frequency (MHz)	20dB bandwidth (kHz)	Limit (kHz)	Results
433.35	61.94	1083.375	Pass
434.60	61.94	1086.5	Pass

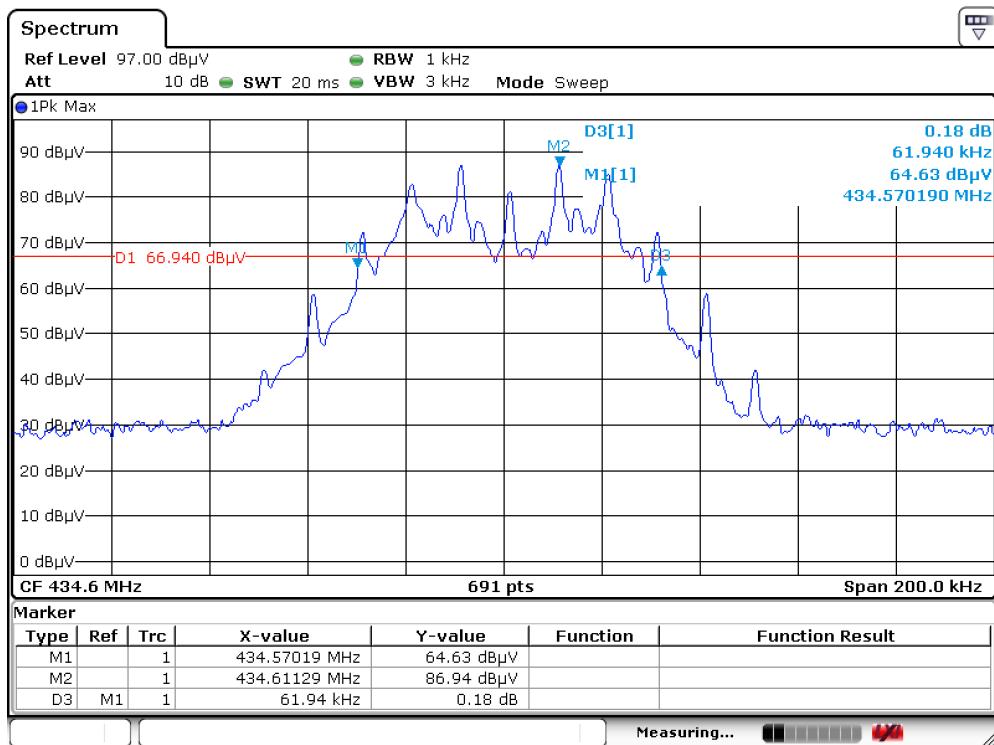
**Test plot as follows:**



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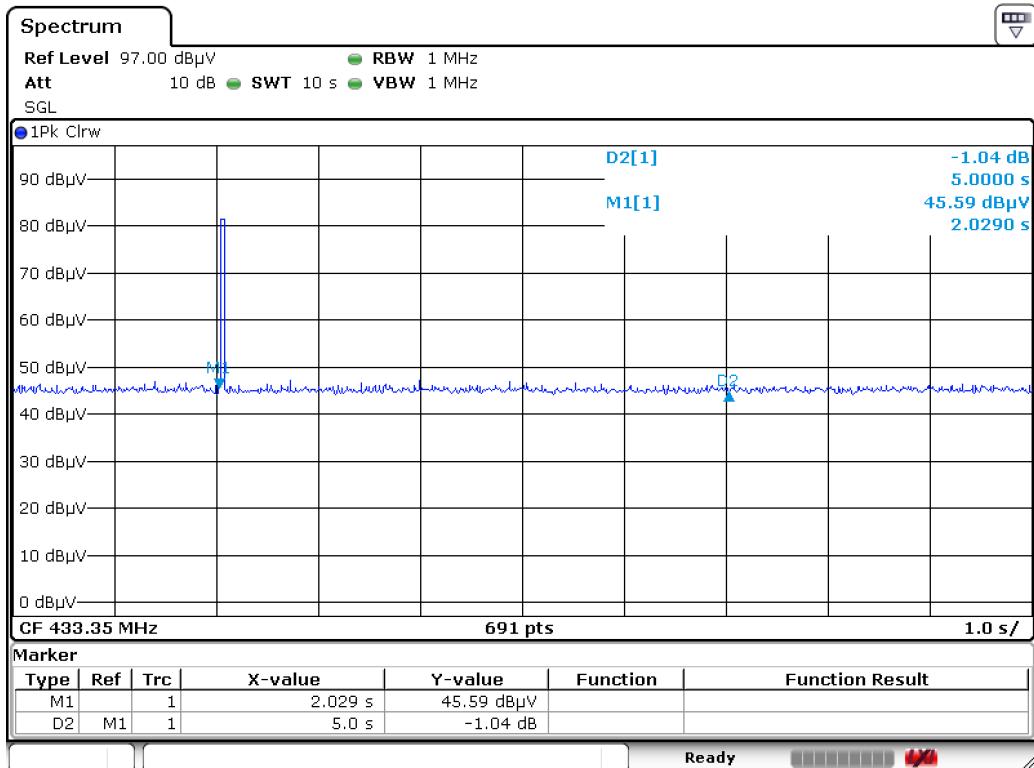


### 3 Dwell Time

#### Measurement Data:

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

Test plot as follows:



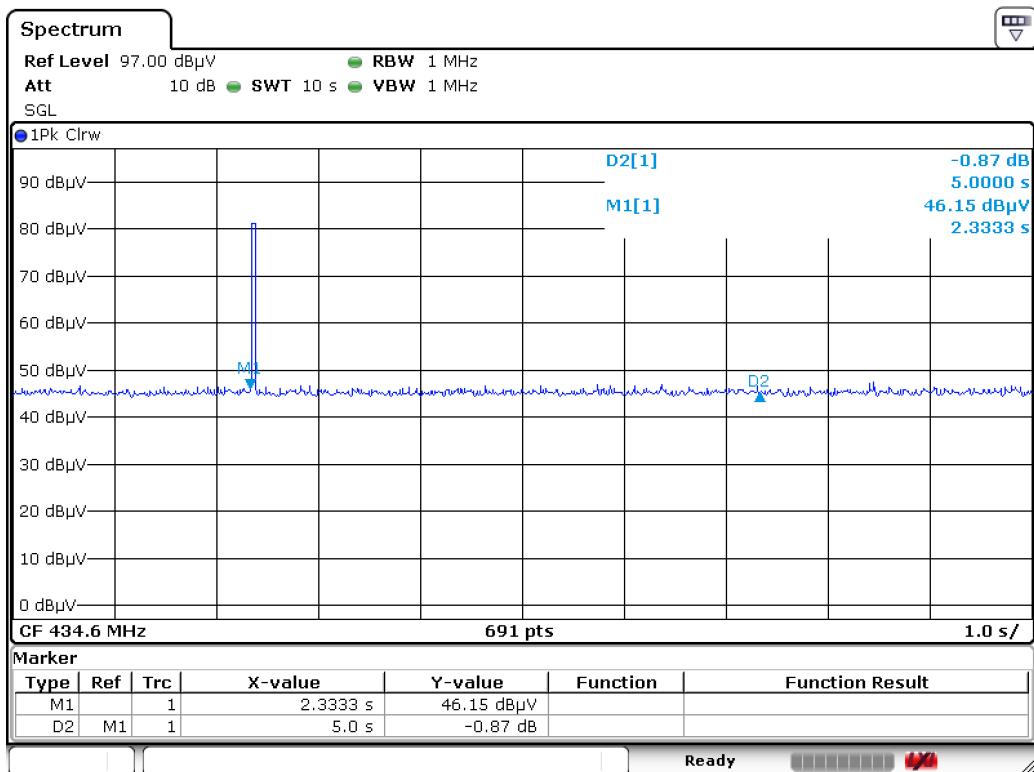
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