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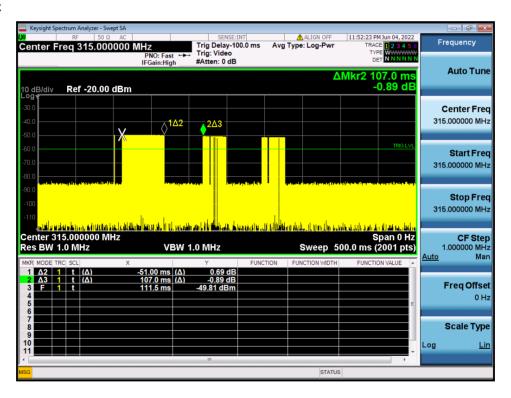
## Appendix A for KSCR220500068401

## 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 1 315.00	69.69	95.62	-25.93	Peak	Vertical
Channel 1		81.06	95.62	-14.56	Peak	Horizontal
		58.26	75.62	-17.36	Average	Vertical
		69.63	75.62	-5.99	Average	Horizontal

### 315.00MHz





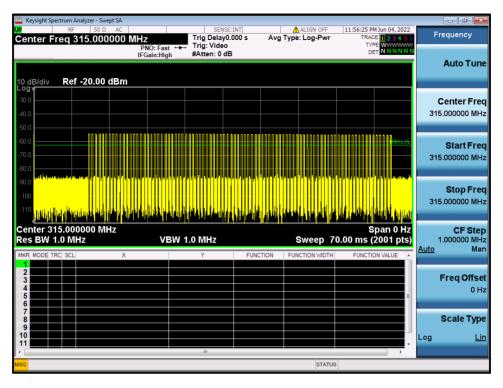
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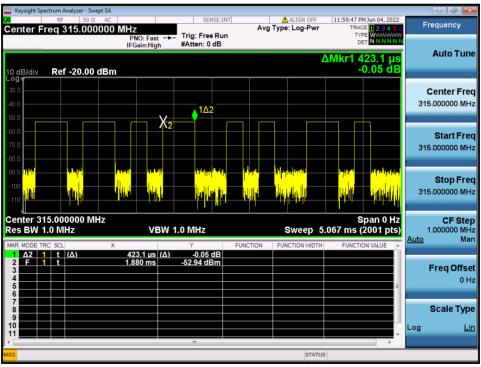
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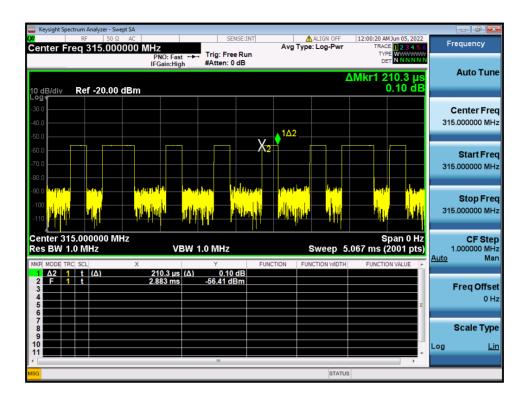


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### Remark:

- 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
- Duty Cycle Factor= 20log(Duty Cycle)= 20lg((46\*0.4231+35\*0.2103)/100) = -11.43dB



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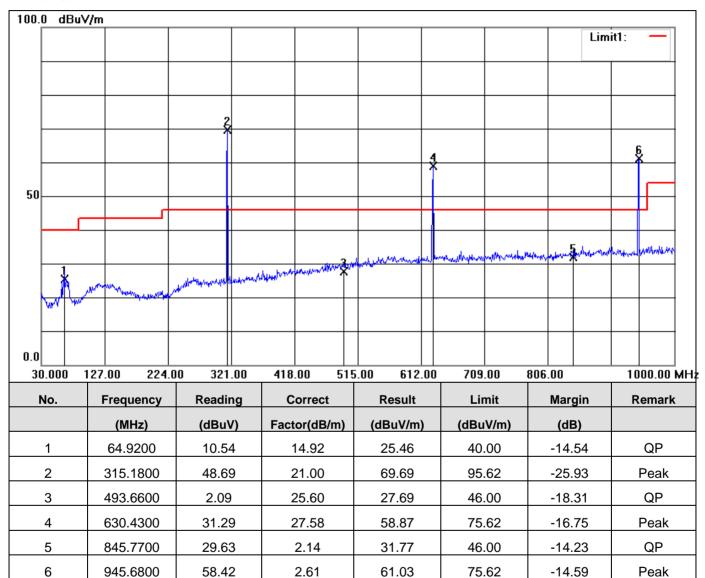


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#### 1.2 **Spurious Emissions**

**Below 1GHz** 

Vertical:





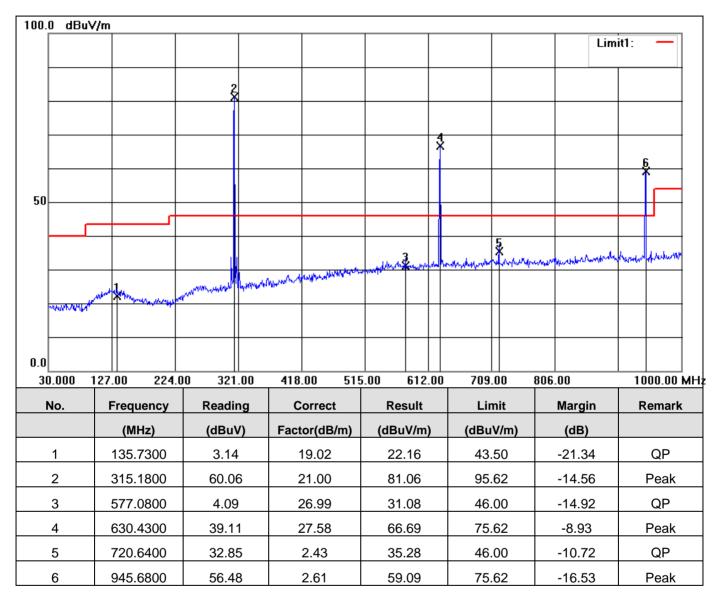
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### Horizontal:





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Peak value:							
Frequency (MHz)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
315.1800	81.06	95.62	-14.56	Horizontal			
630.4300	66.69	75.62	-8.93	Horizontal			
945.6800	59.09	75.62	-16.53	Horizontal			
315.1800	69.69	95.62	-25.93	Vertical			
630.4300	58.87	75.62	-16.75	Vertical			
945.6800	61.03	75.62	-14.59	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	-11.43	81.06	69.63	75.62	-5.99	Horizontal
630.4300	-11.43	66.69	55.26	55.62	-0.36	Horizontal
945.6800	-11.43	59.09	47.66	55.62	-7.96	Horizontal
315.1800	-11.43	69.69	58.26	75.62	-17.36	Vertical
630.4300	-11.43	58.87	47.44	55.62	-8.18	Vertical
945.6800	-11.43	61.03	49.60	55.62	-6.02	Vertical

### **Above 1GHz**

Mark	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	polarization
1	1252.174	51.86	-12.88	38.98	54.00	-15.02	peak	Vertical
2	1695.652	53.30	-14.61	38.69	54.00	-15.31	peak	Vertical
3	2600.000	54.84	-9.65	45.19	54.00	-8.81	peak	Vertical
4	1595.652	53.15	-15.82	37.33	54.00	-16.67	peak	Horizontal
5	2595.652	53.96	-9.67	44.29	54.00	-9.71	peak	Horizontal
6	3395.652	54.95	-7.00	47.95	54.00	-6.05	peak	Horizontal



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## 2. 20dB Bandwidth

#### **Measurement Data:**

Frequency (MHz)	20dB bandwidth (kHz)	Limit (kHz)	Results
315.00	23.32	787.50	Pass

Test plot as follows:





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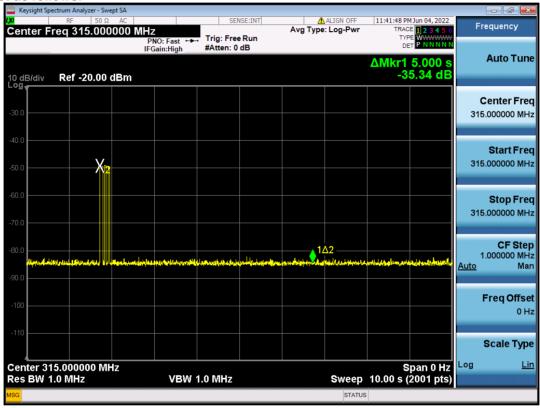
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### 3. Dwell Time

#### **Measurement Data:**

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

Test plot as follows:





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