Test Report No.50118703 001

Appendix D: Radiated and Mains Spurious Emission Data

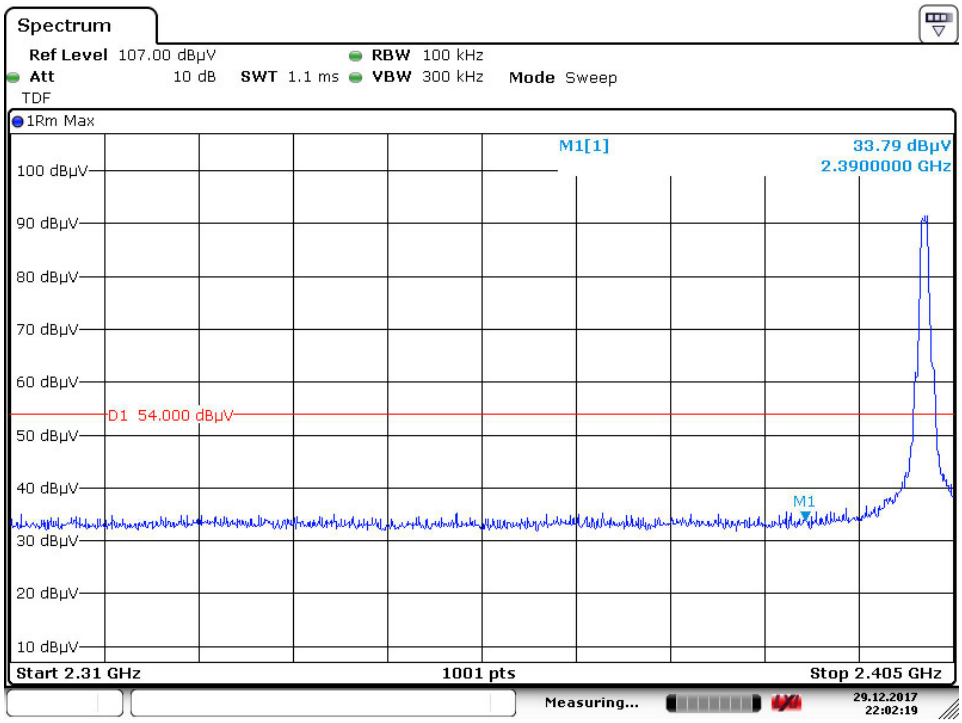
(File: 50118703AppendixD)

Contents

Spurious Emissions, Band Edges, 2.35-2.5G 2
Spurious Emissions, TX Mode, 1-18G 6
Spurious Emissions, TX Mode, 18-26.5G 12
Spurious Emissions, TX Mode, 30M-1G 18
Spurious Emissions, TX Mode, 150K-30M 20
Spurious Emissions, TX Mode, 9K-150K 21
Spurious Emissions, RX Mode, 1-18G 22
Spurious Emissions, RX Mode, 18-26.5G 24
Spurious Emissions, RX Mode, 30M-1G 26
Spurious Emissions, RX Mode, 150K-30M 28
Spurious Emissions, RX Mode, 9K-150K 29
Mains Emission, 150K-30M 30

Radiated Bandedge (GFSK)

Low Channel (Hor)



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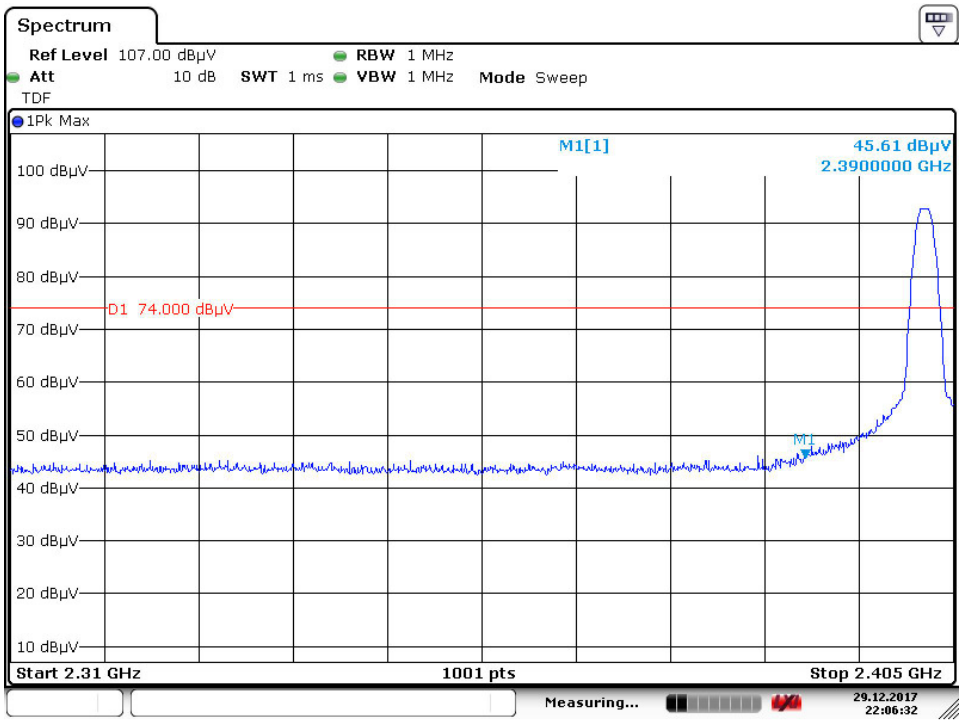

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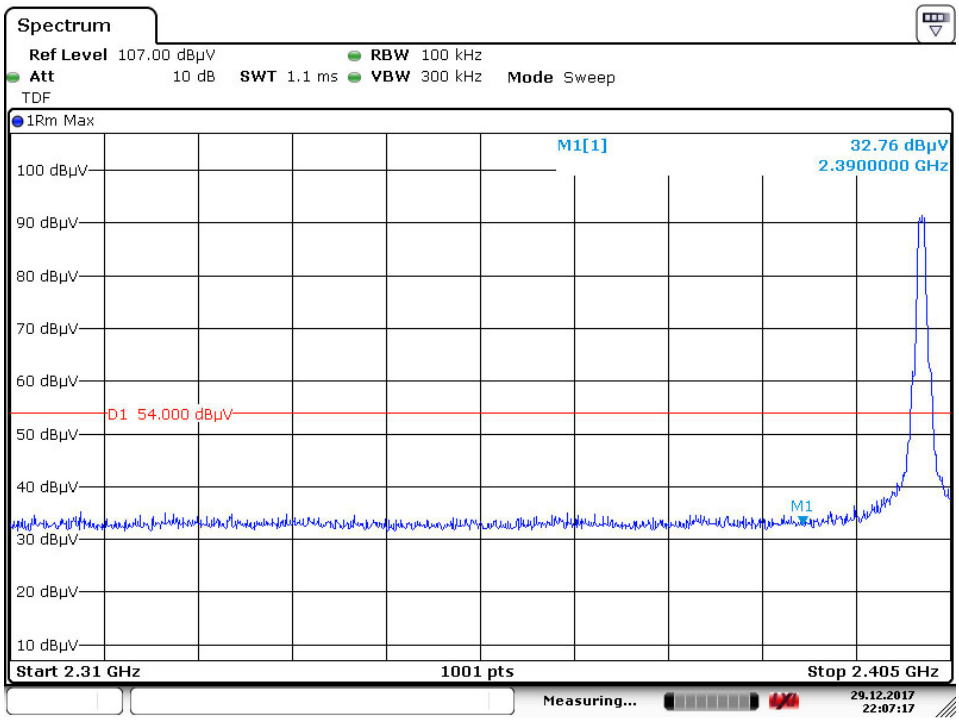

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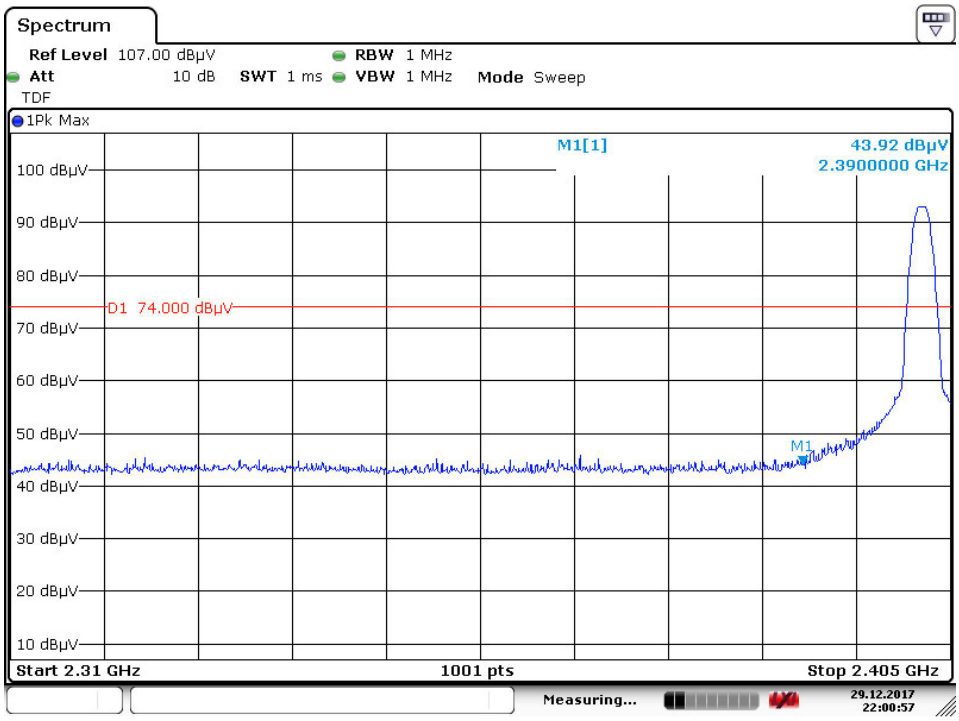

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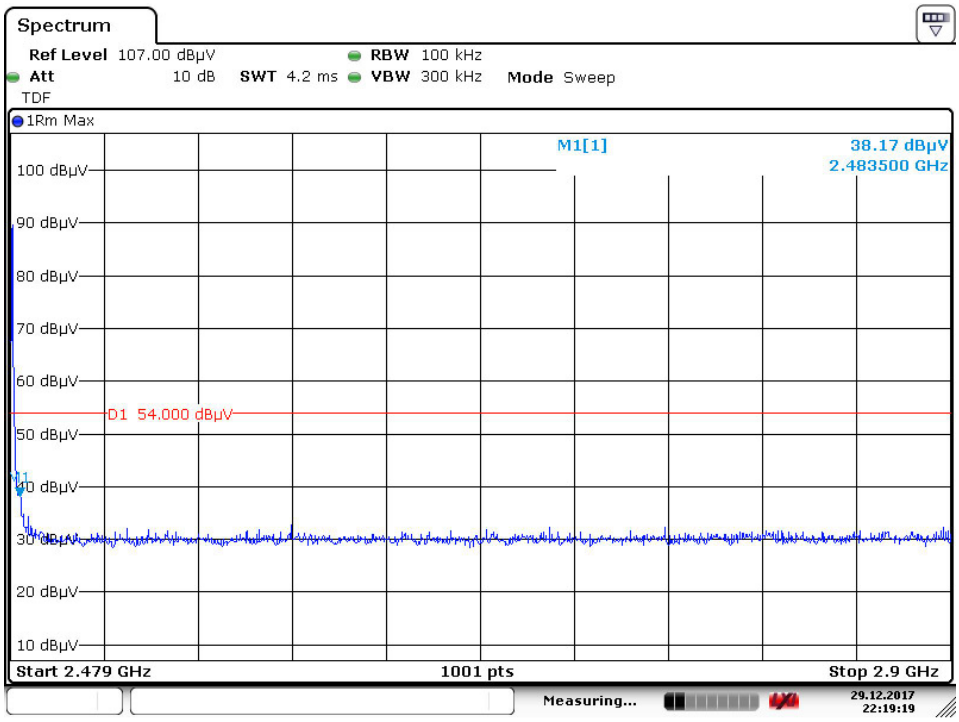
Radiated Bandedge (GFSK)

High Channel (Hor)



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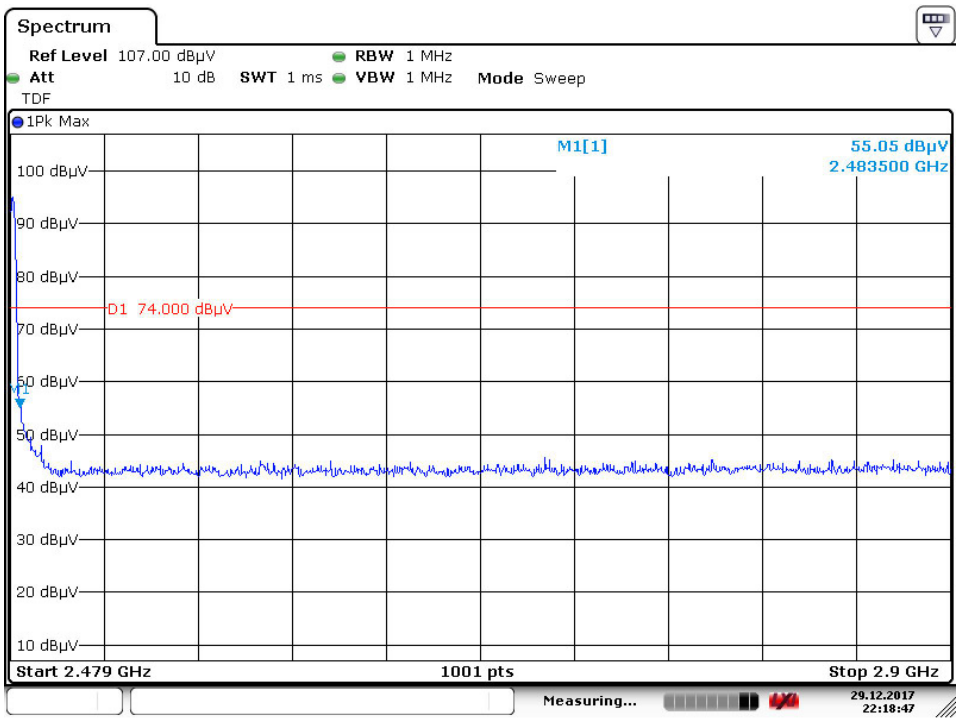

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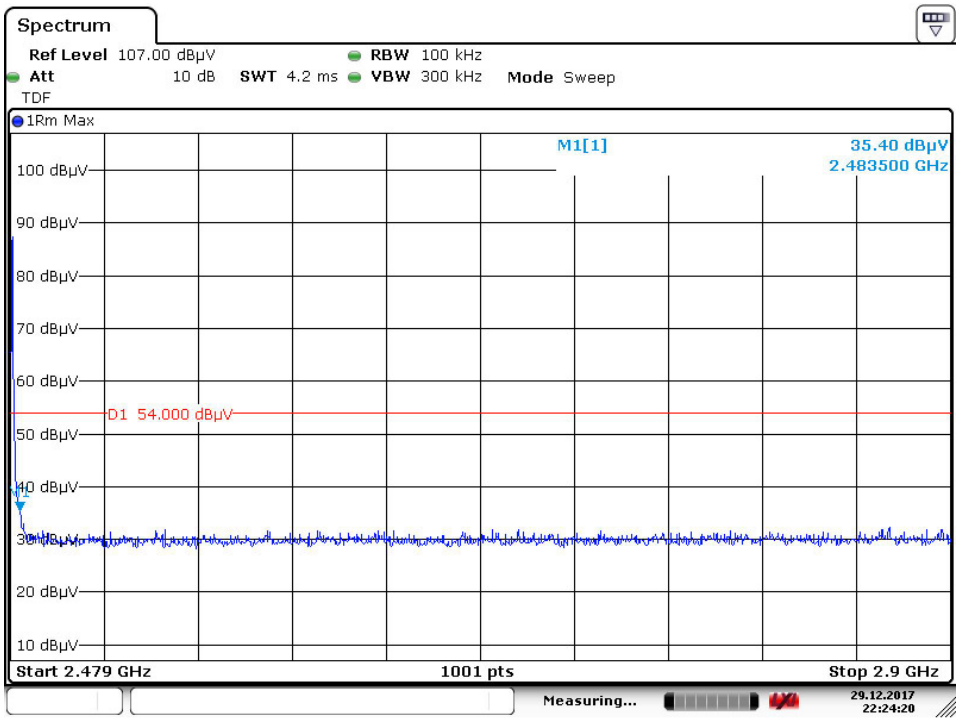
High Channel (Ver)



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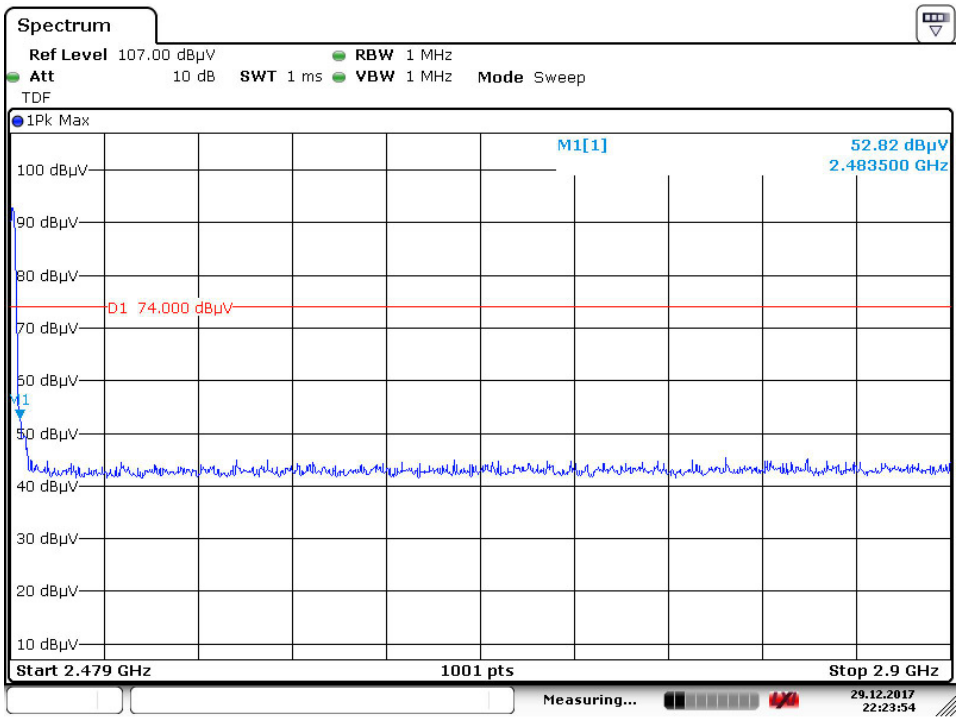

Date: 29.DEC.2017 22:23:54

Spurious Emissions, TX Mode, 1-18G

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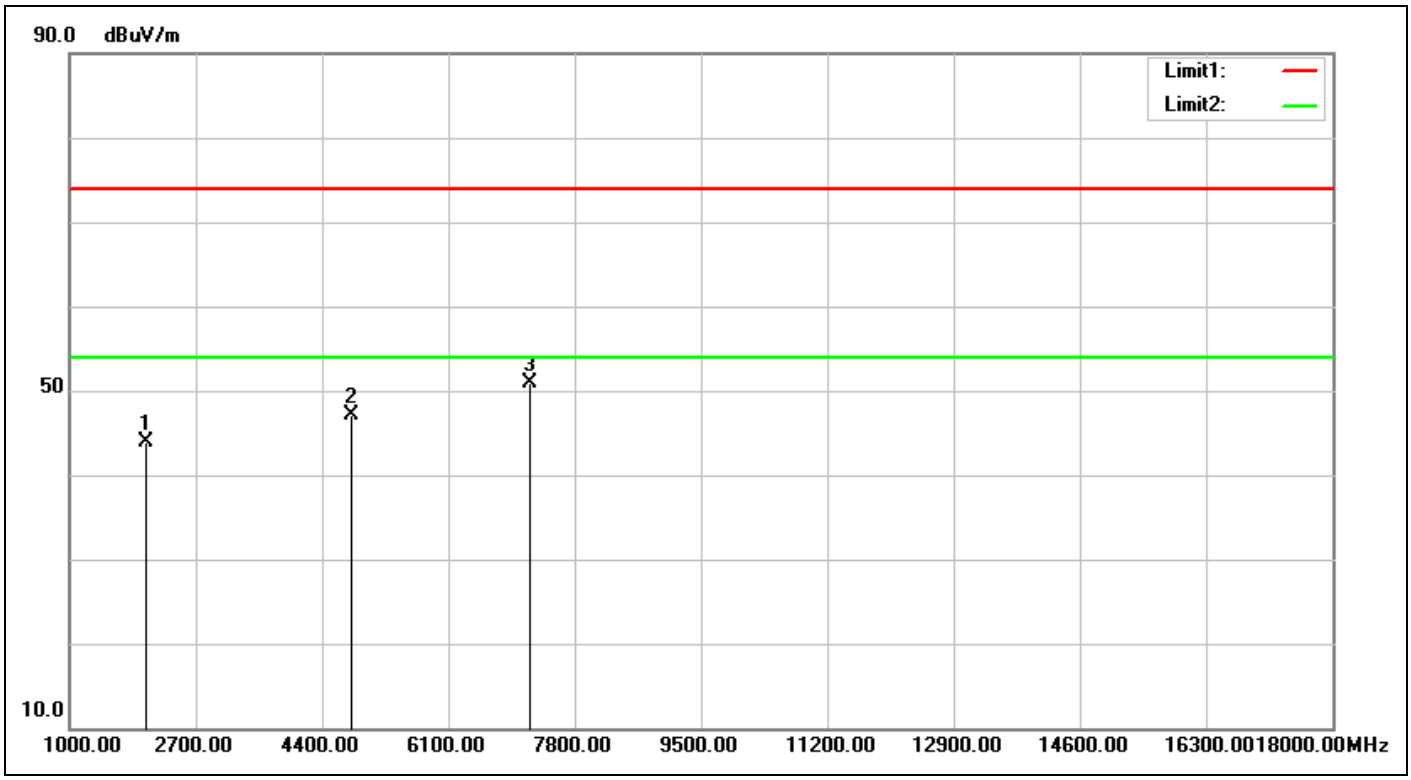

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 21:40:01**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2402-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	2020.000	-7.11	51.08	43.97	74.00	-30.03	peak	100	39	
2	4804.000	-2.71	49.73	47.02	74.00	-26.98	peak	100	279	
3	7206.000	5.29	45.53	50.82	74.00	-23.18	peak	141	360	

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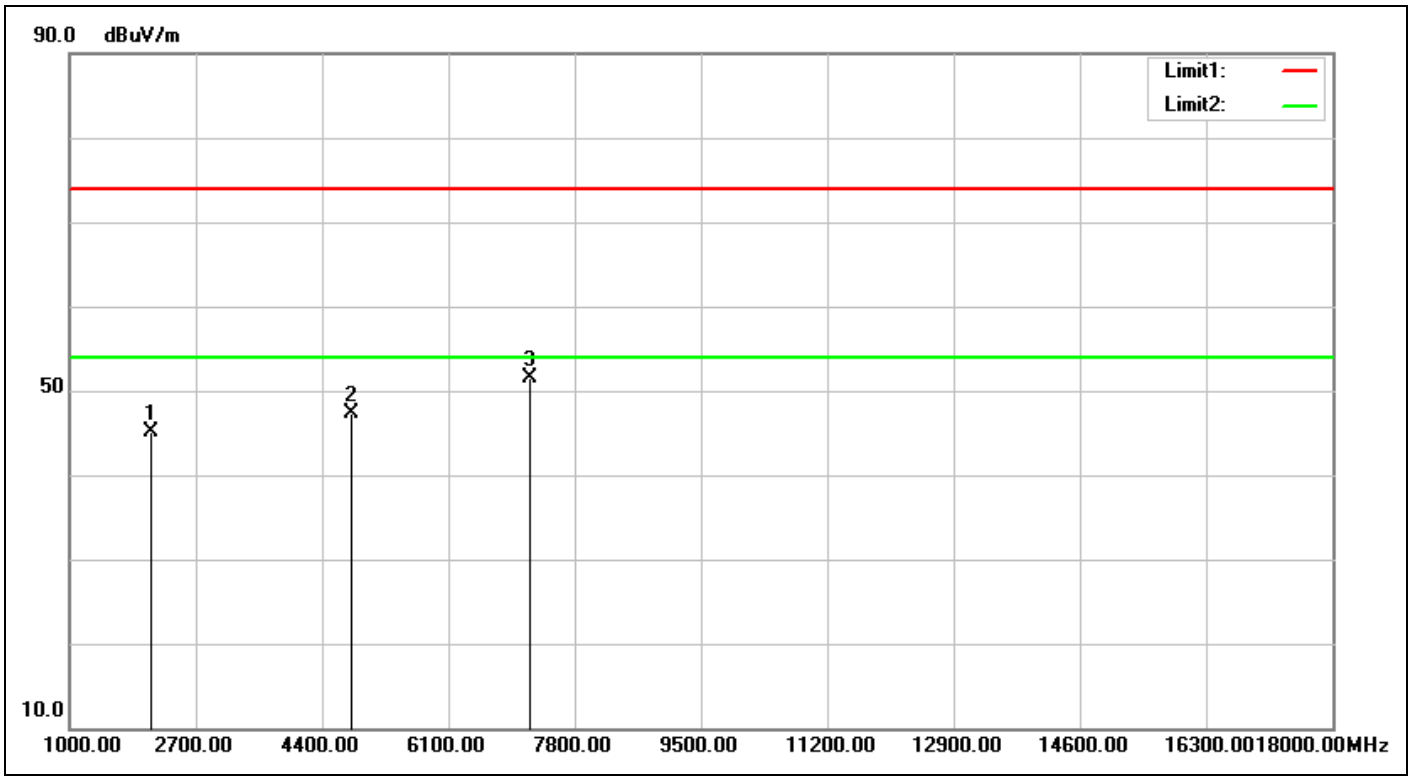

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 21:42:19**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2402-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	2105.000	-7.12	52.17	45.05	74.00	-28.95	peak	100	208	
2	4804.000	-2.71	49.94	47.23	74.00	-26.77	peak	199	122	
3	7206.000	5.29	46.20	51.49	74.00	-22.51	peak	200	161	

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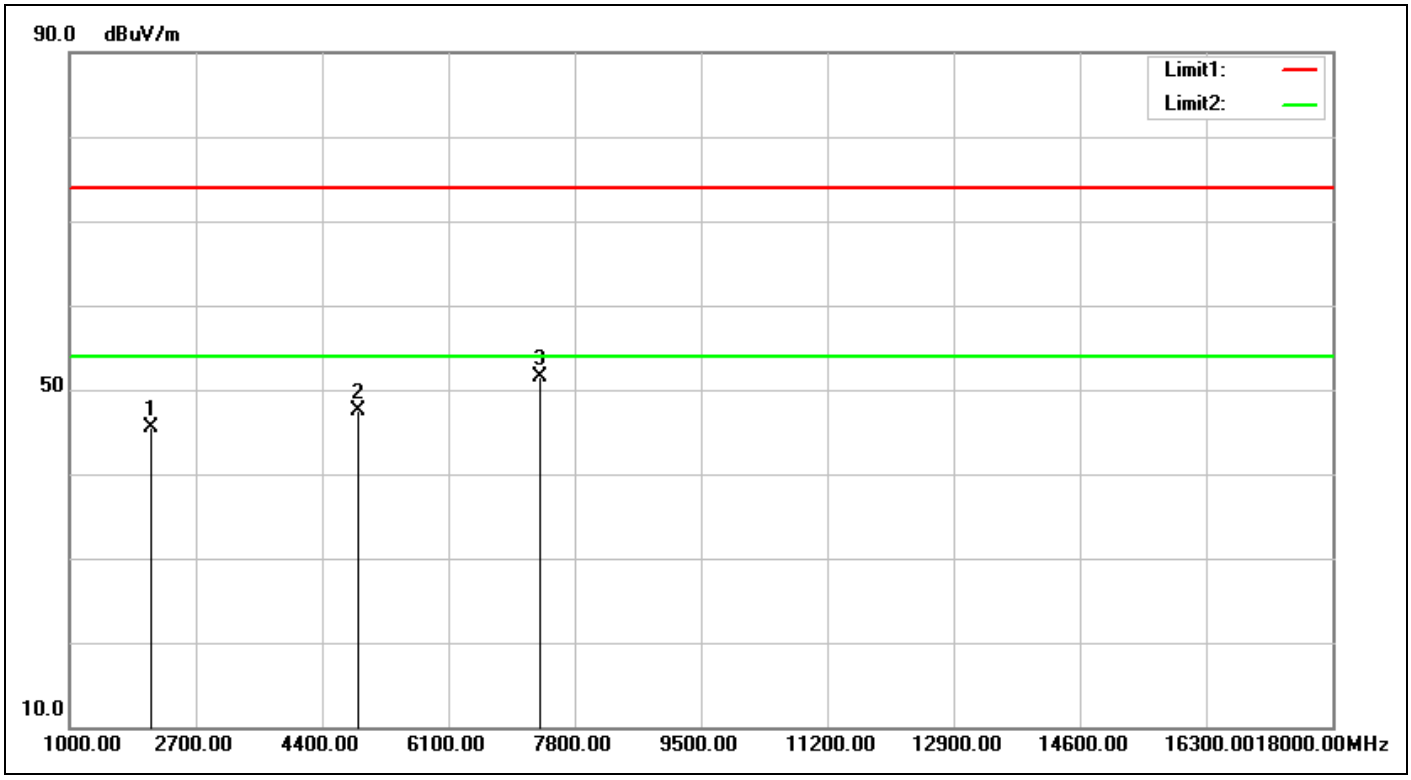

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 21:28:23**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	2088.000	-7.12	52.62	45.50	74.00	-28.50	peak	199	360	
2	4880.000	-2.50	49.95	47.45	74.00	-26.55	peak	200	246	
3	7320.000	5.59	45.91	51.50	74.00	-22.50	peak	200	19	

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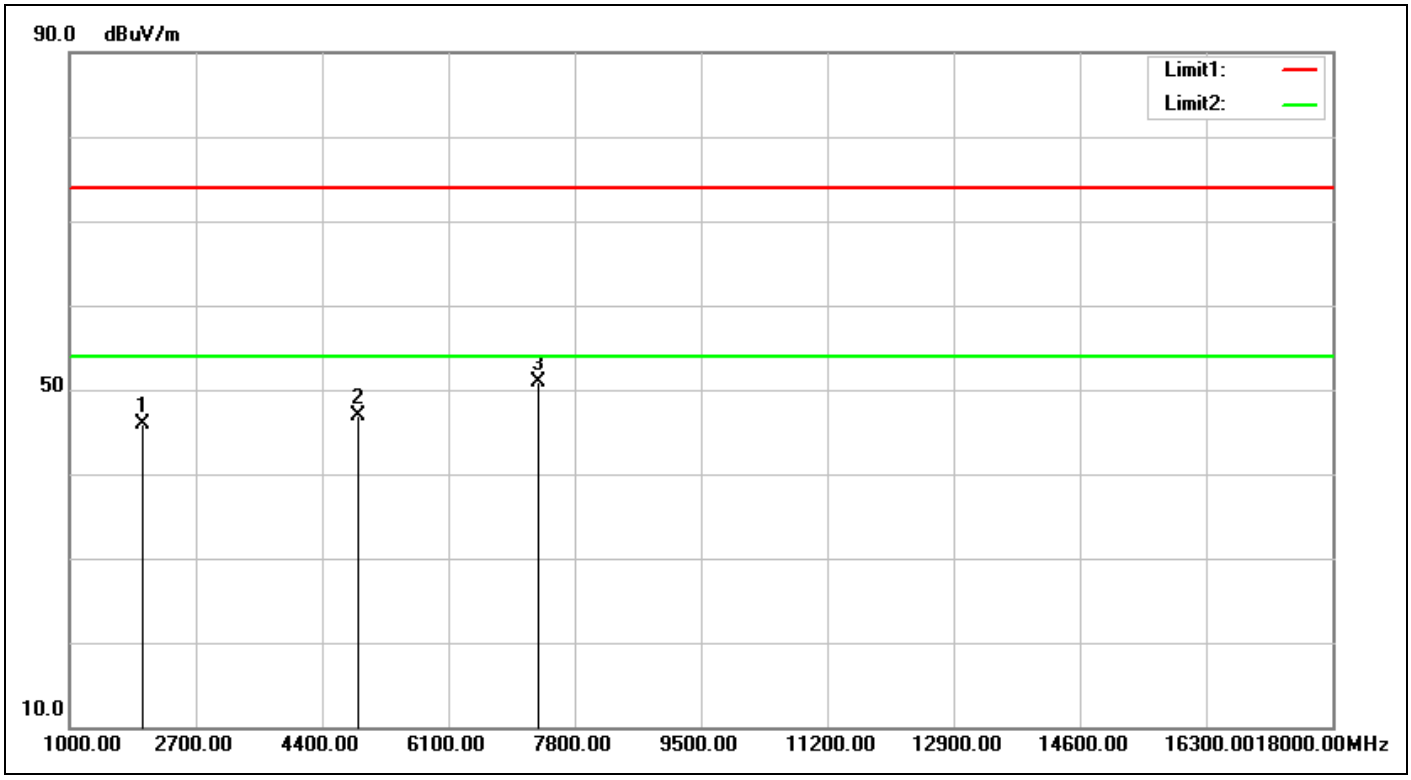

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 21:30:42**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	1986.000	-7.20	53.13	45.93	74.00	-28.07	peak	200	197	
2	4880.000	-2.50	49.37	46.87	74.00	-27.13	peak	100	213	
3	7320.000	5.59	45.29	50.88	74.00	-23.12	peak	100	293	

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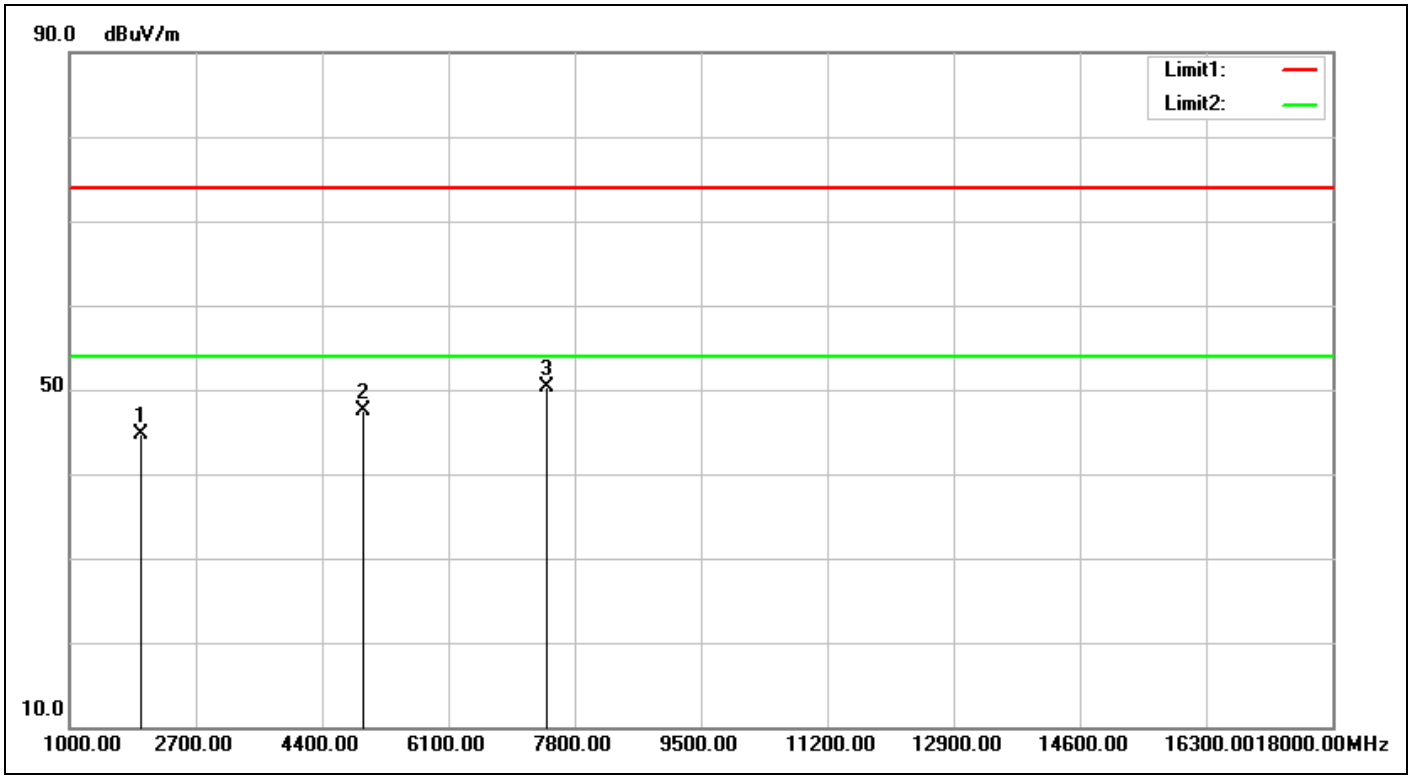

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:22:46**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2480-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	1969.000	-7.33	52.02	44.69	74.00	-29.31	peak	100	134	
2	4960.000	-2.29	49.70	47.41	74.00	-26.59	peak	100	203	
3	7440.000	5.90	44.32	50.22	74.00	-23.78	peak	100	335	

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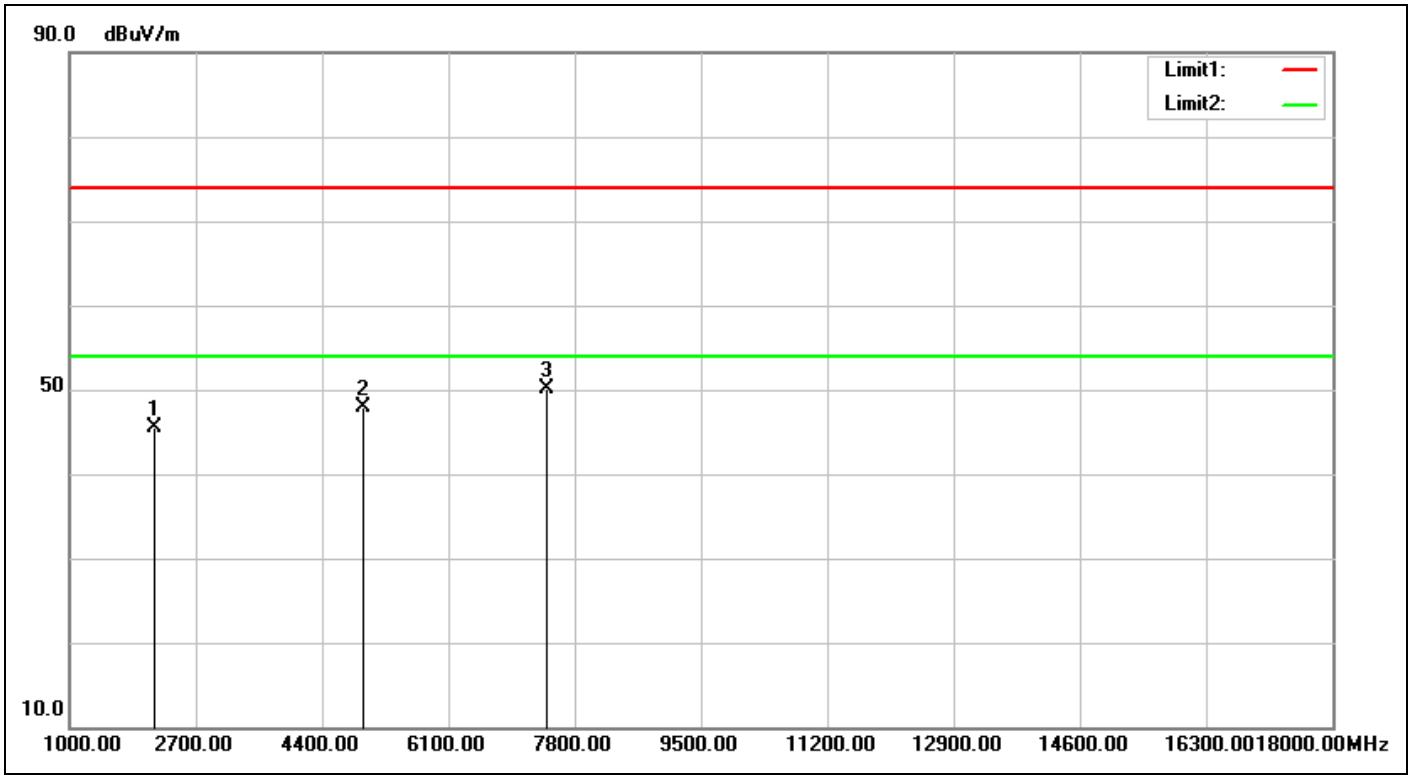

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:25:05**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2480-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	2139.000	-7.11	52.59	45.48	74.00	-28.52	peak	100	216	
2	4960.000	-2.29	50.18	47.89	74.00	-26.11	peak	100	67	
3	7440.000	5.90	44.12	50.02	74.00	-23.98	peak	200	338	

Spurious Emissions, TX Mode, 18-26.5G

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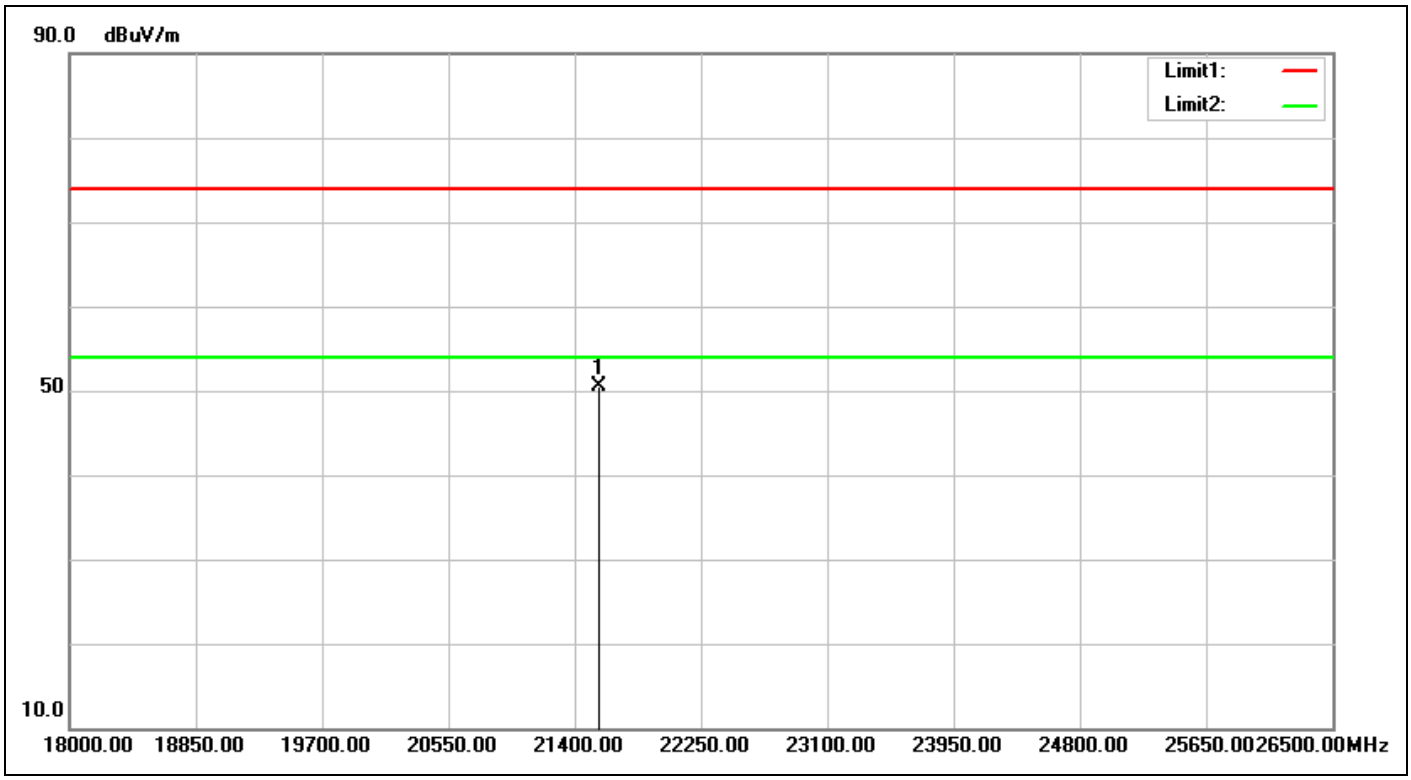

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:34:09**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2402-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	21561.500	32.09	18.43	50.52	74.00	-23.48	peak	100	103	

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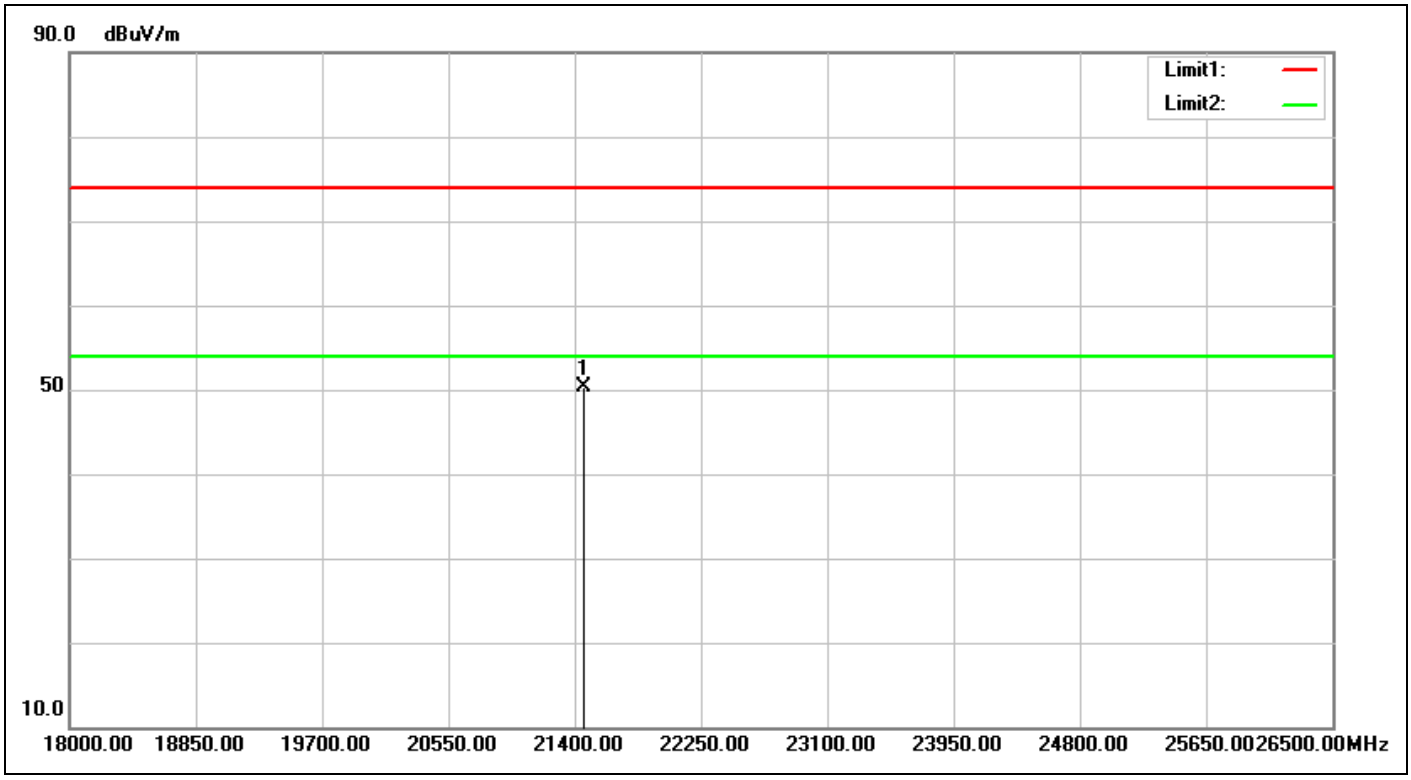

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:35:12**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2402-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	21459.500	31.97	18.41	50.38	74.00	-23.62	peak	100	215	

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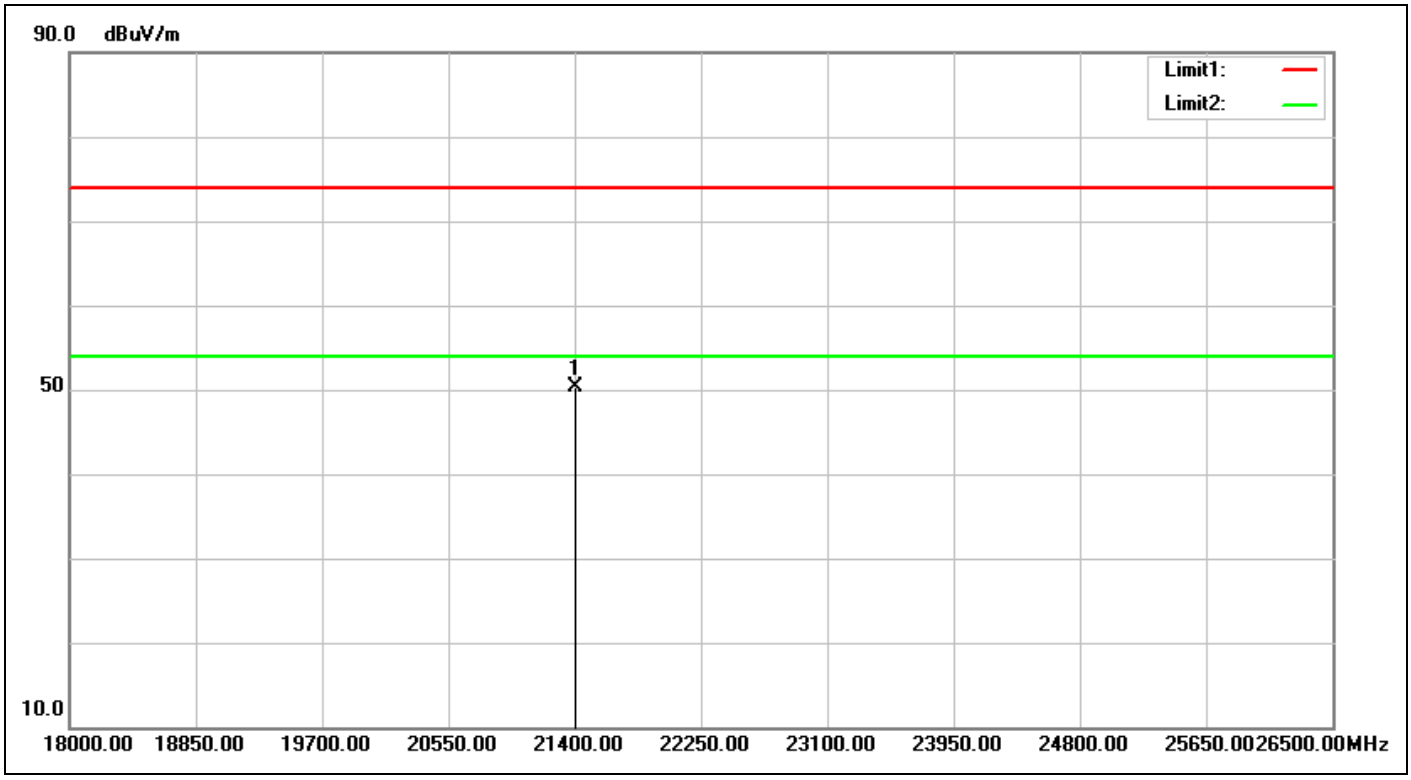

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:38:15**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	21408.500	31.89	18.37	50.26	74.00	-23.74	peak	100	256	

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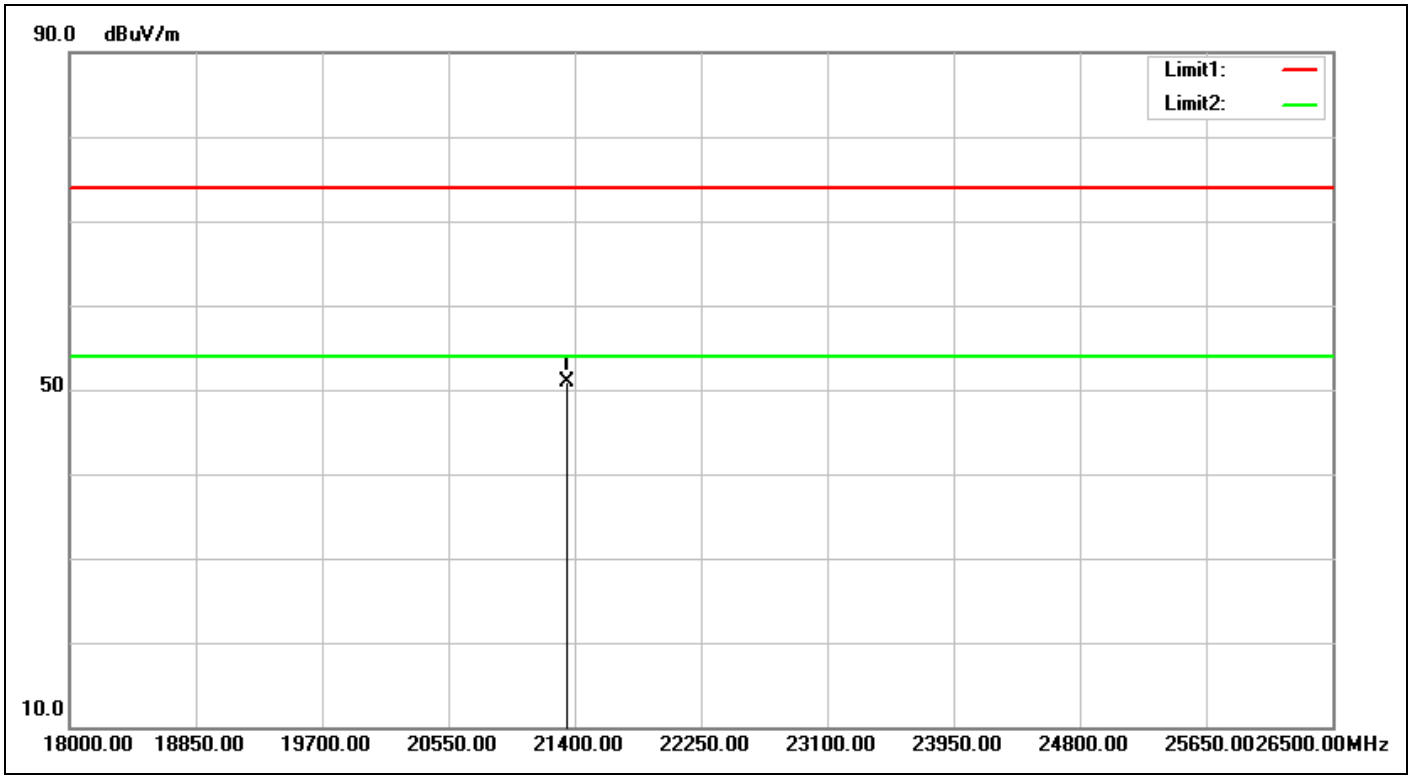

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:39:18**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	21349.000	31.80	19.17	50.97	74.00	-23.03	peak	100	282	

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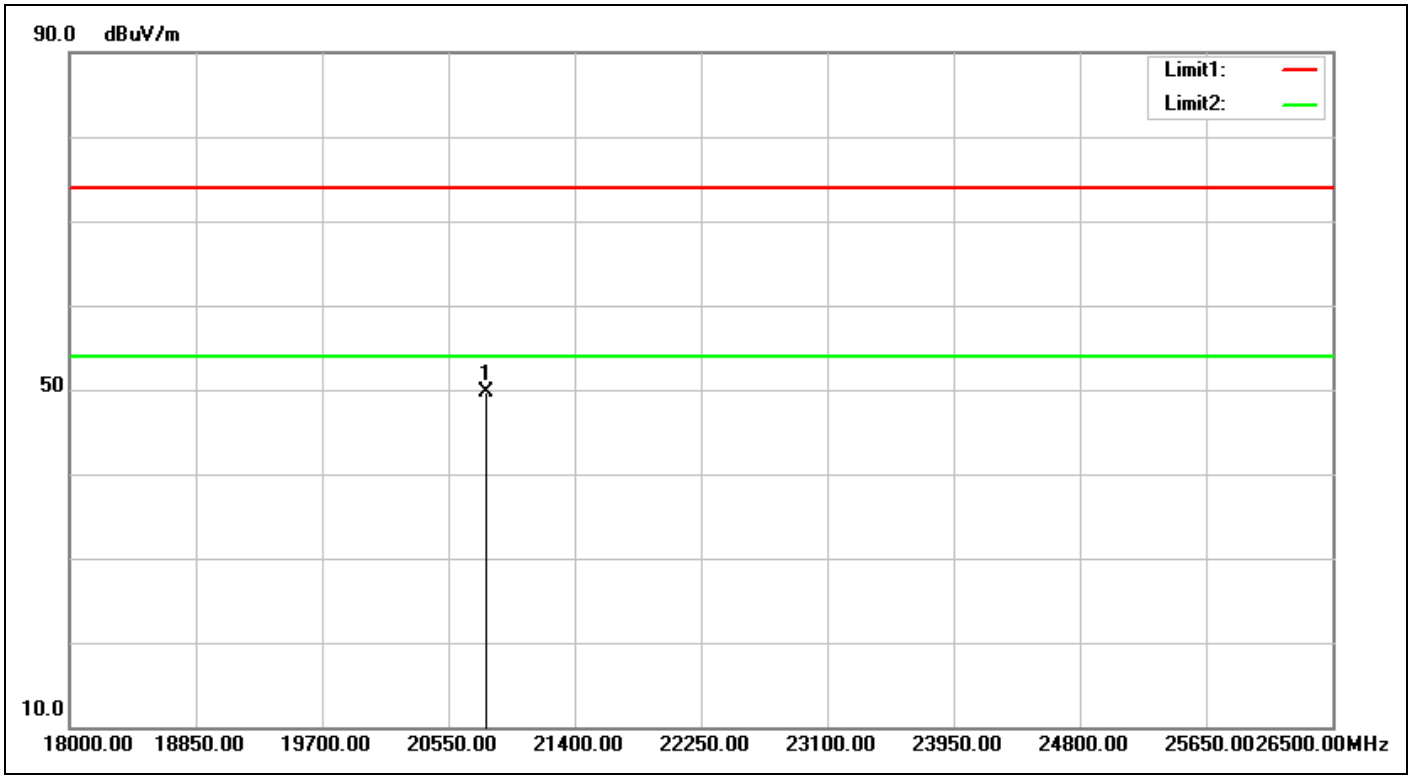

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:42:26**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2480-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	20805.000	31.16	18.48	49.64	74.00	-24.36	peak	100	125	

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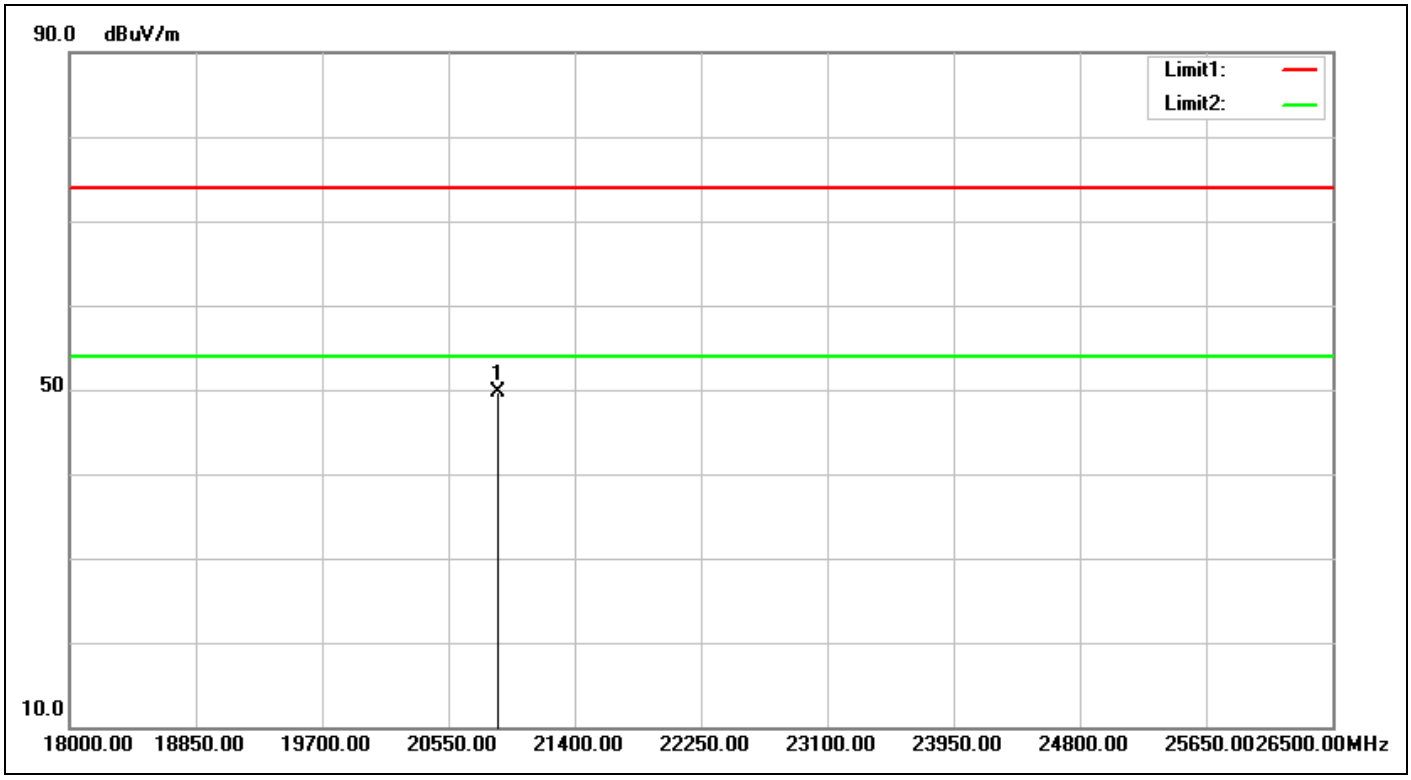

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:43:29**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2480-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	20881.500	31.20	18.51	49.71	74.00	-24.29	peak	100	305	

Spurious Emissions, TX Mode, 30M-1G

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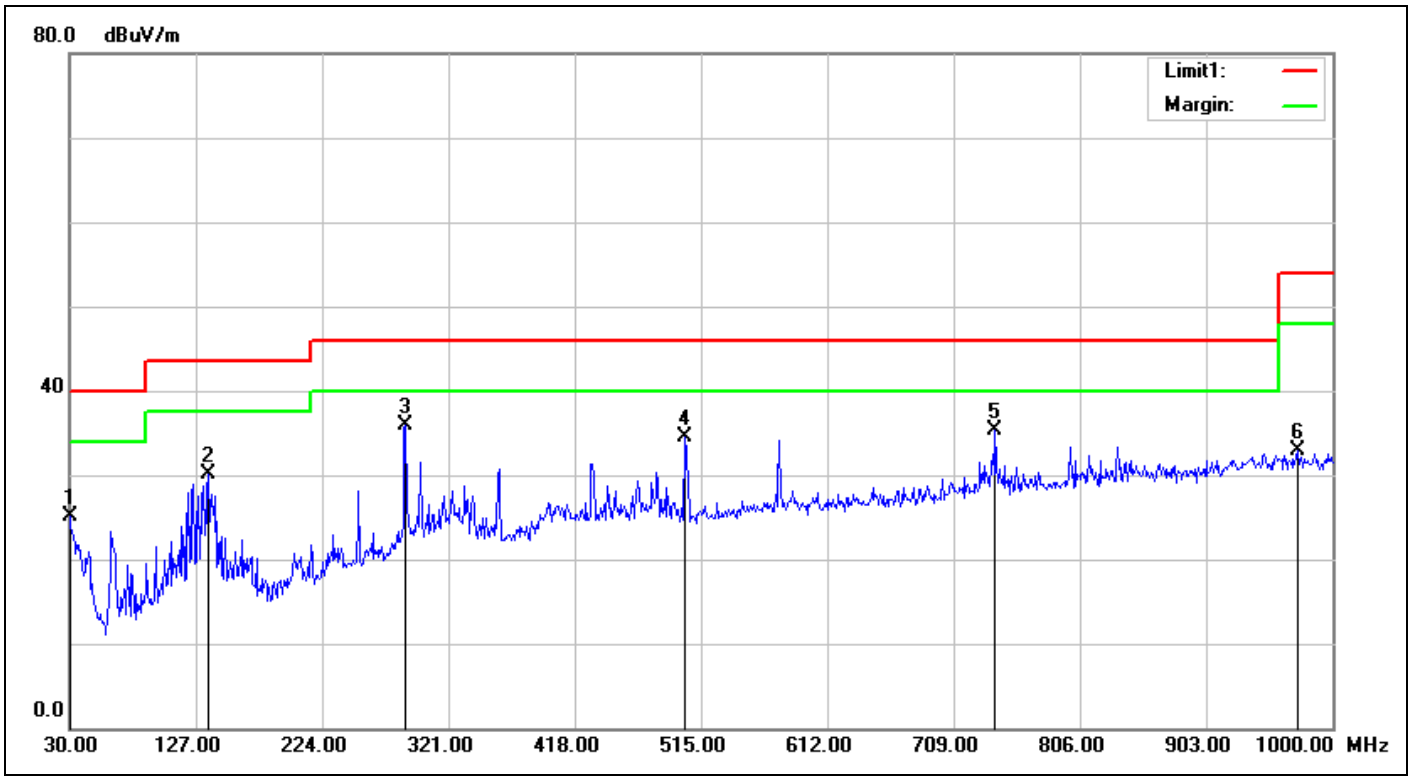

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Class B 3M Radiation**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2018/1/2 19:16:54**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.8(℃)/48%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	30.0000	-0.25	25.34	25.09	40.00	-14.91	peak	300	240	
2	136.7000	-7.06	37.18	30.12	43.50	-13.38	peak	210	317	
3	288.0200	-4.88	40.77	35.89	46.00	-10.11	peak	200	221	
4	502.3900	-1.15	35.60	34.45	46.00	-11.55	peak	290	264	
5	741.0100	2.18	33.19	35.37	46.00	-10.63	peak	200	309	
6	972.8400	5.60	27.21	32.81	54.00	-21.19	peak	160	229	

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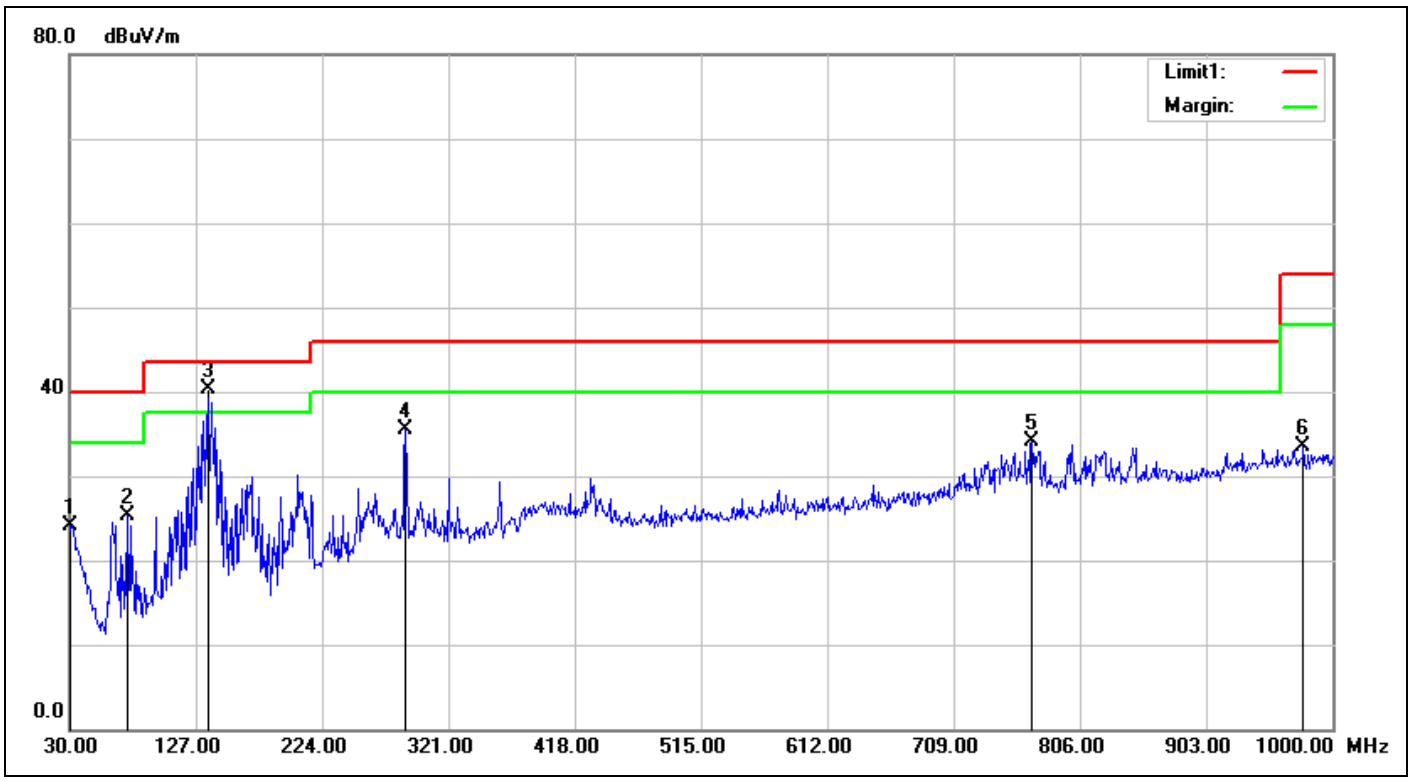

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Class B 3M Radiation**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2018/1/2 19:21:58**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.8(℃)/48%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	30.9700	-0.79	24.85	24.06	40.00	-15.94	QP	100	269	
2	74.6200	-12.62	37.96	25.34	40.00	-14.66	QP	100	184	
3	136.7000	-7.06	47.44	40.38	43.50	-3.12	QP	100	294	
4	288.0200	-4.88	40.46	35.58	46.00	-10.42	QP	101	309	
5	769.1400	2.52	31.58	34.10	46.00	-11.90	QP	100	179	
6	977.6900	5.62	27.80	33.42	54.00	-20.58	QP	100	309	

Spurious Emissions, TX Mode, 150K-30M

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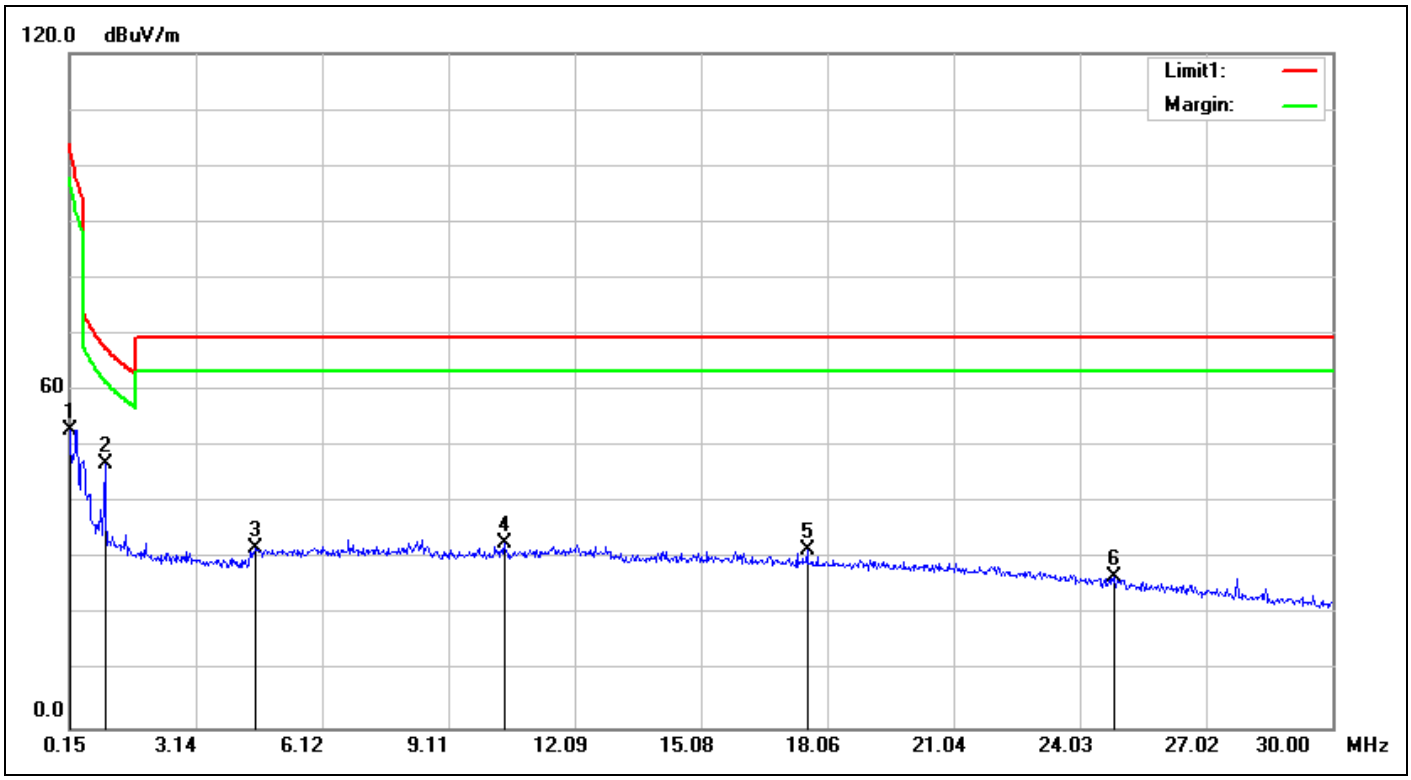

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC15.209_9k-1G_3m**	**Ant. Polarization:**	
Test item:	**Radiation Emission**	**Test Time:**	**2018/1/2 20:31:24**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.8(℃)/48%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	0.1500	19.08	34.02	53.10	104.08	-50.98	QP	100	69	
2	0.9858	18.98	27.84	46.82	67.75	-20.93	QP	100	124	
3	4.5380	19.47	12.34	31.81	69.50	-37.69	QP	100	296	
4	10.4184	20.29	12.56	32.85	69.50	-36.65	QP	100	235	
5	17.5824	21.56	10.03	31.59	69.50	-37.91	QP	100	109	
6	24.8360	22.31	4.50	26.81	69.50	-42.69	QP	100	166	

Spurious Emissions, TX Mode, 9K-150K

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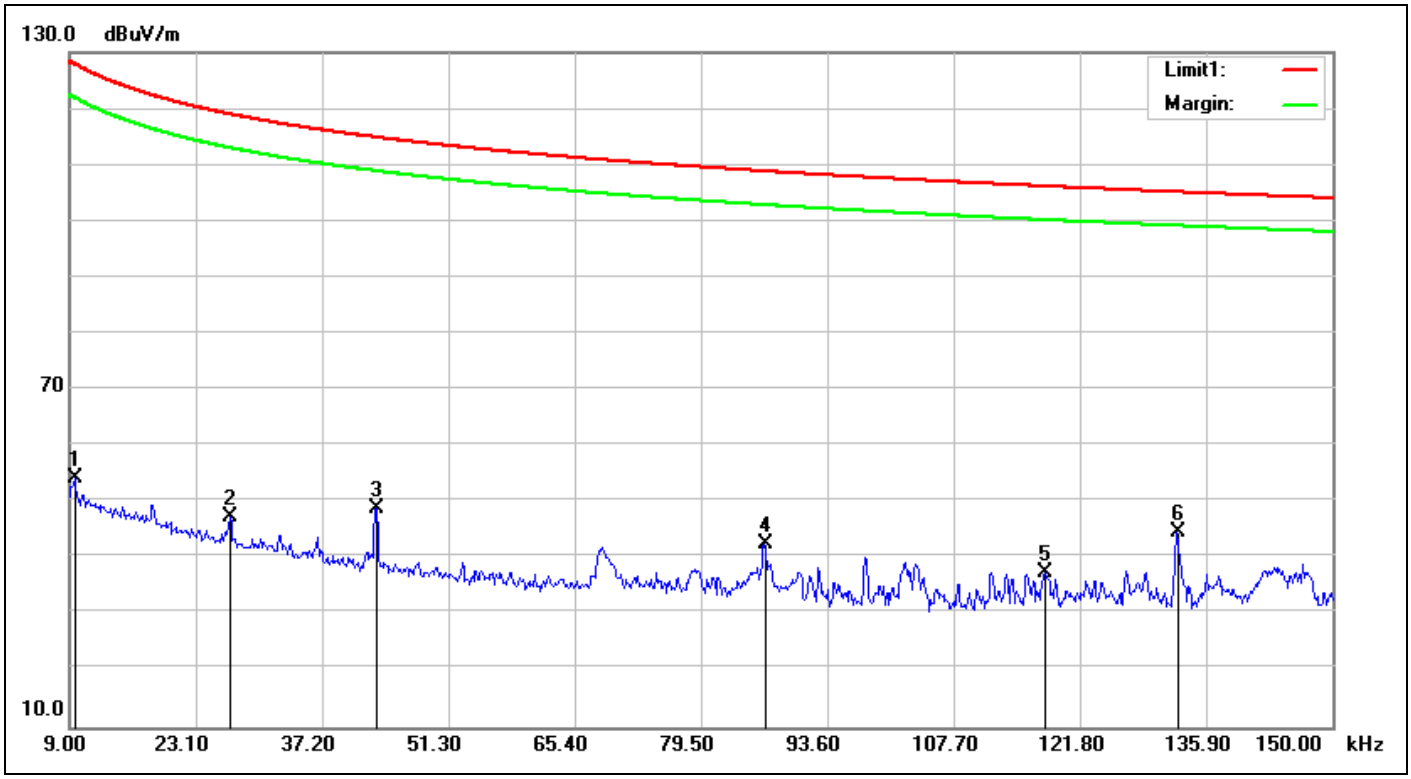

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC15.209_9k-1G_3m**	**Ant. Polarization:**	
Test item:	**Radiation Emission**	**Test Time:**	**2018/1/2 20:26:45**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.8(℃)/48%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Tx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	0.0096	19.77	34.45	54.22	127.94	-73.72	QP	100	245	
2	0.0269	20.10	27.16	47.26	119.00	-71.74	QP	100	169	
3	0.0433	19.66	29.33	48.99	114.86	-65.87	QP	100	223	
4	0.0866	19.21	23.24	42.45	108.85	-66.40	QP	100	142	
5	0.1180	19.11	18.40	37.51	106.16	-68.65	QP	100	207	
6	0.1327	19.10	25.45	44.55	105.14	-60.59	QP	100	169	

Spurious Emissions, RX Mode, 1-18G

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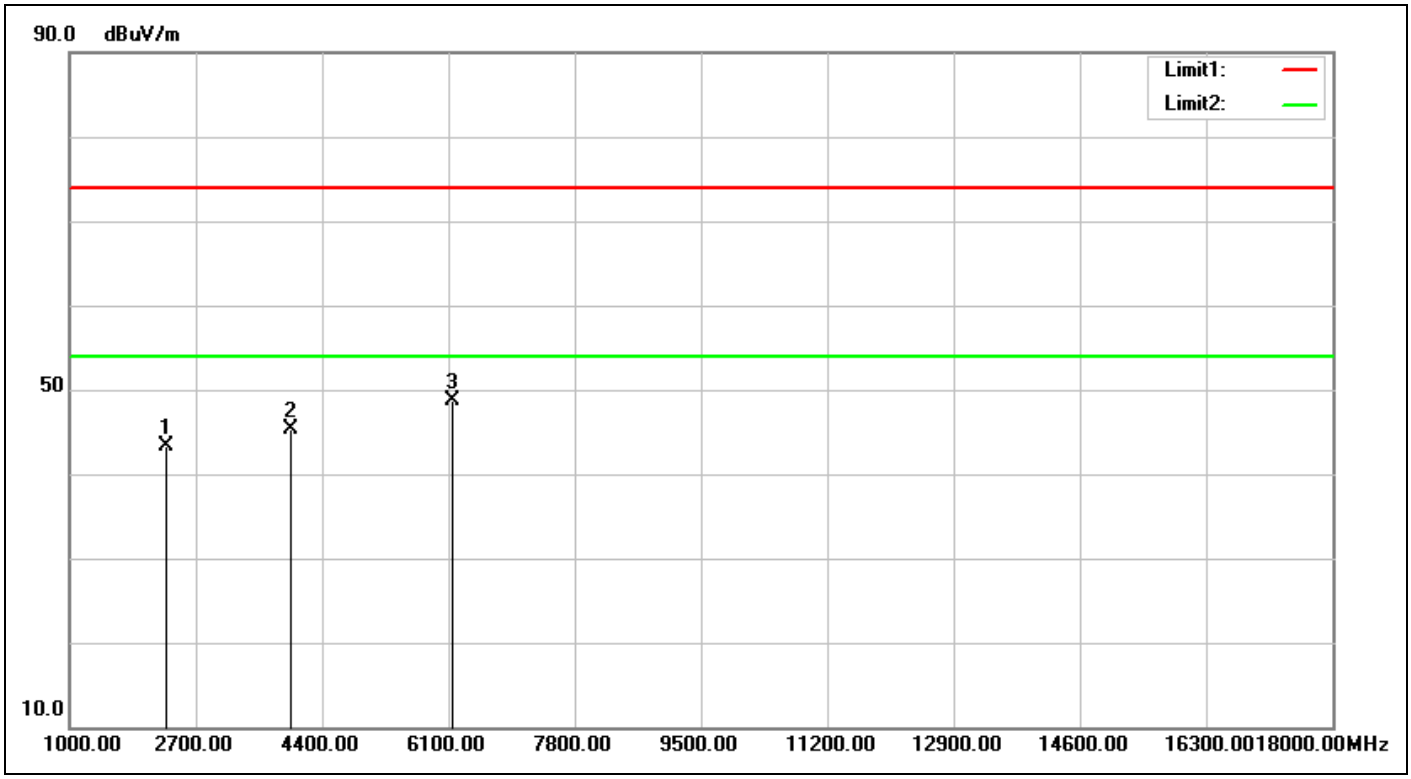

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 23:00:58**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Rx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	2309.000	-8.09	51.31	43.22	74.00	-30.78	peak	100	244	
2	3975.000	-5.94	51.30	45.36	74.00	-28.64	peak	100	106	
3	6151.000	2.96	45.75	48.71	74.00	-25.29	peak	100	236	

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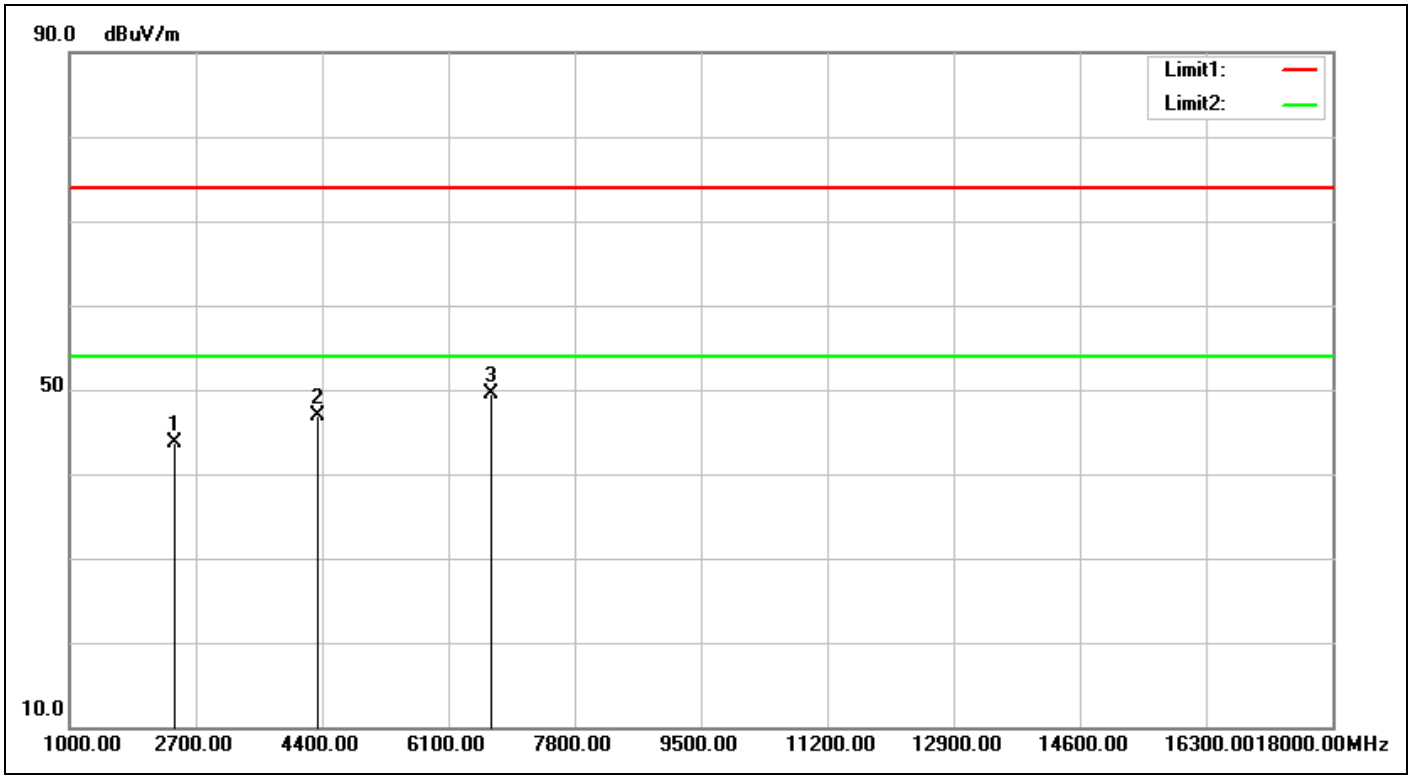

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 23:02:00**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Rx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	2411.000	-8.09	51.87	43.78	74.00	-30.22	peak	100	334	
2	4349.000	-4.55	51.42	46.87	74.00	-27.13	peak	100	312	
3	6678.000	4.10	45.49	49.59	74.00	-24.41	peak	100	174	

Spurious Emissions, RX Mode, 18-26.5G

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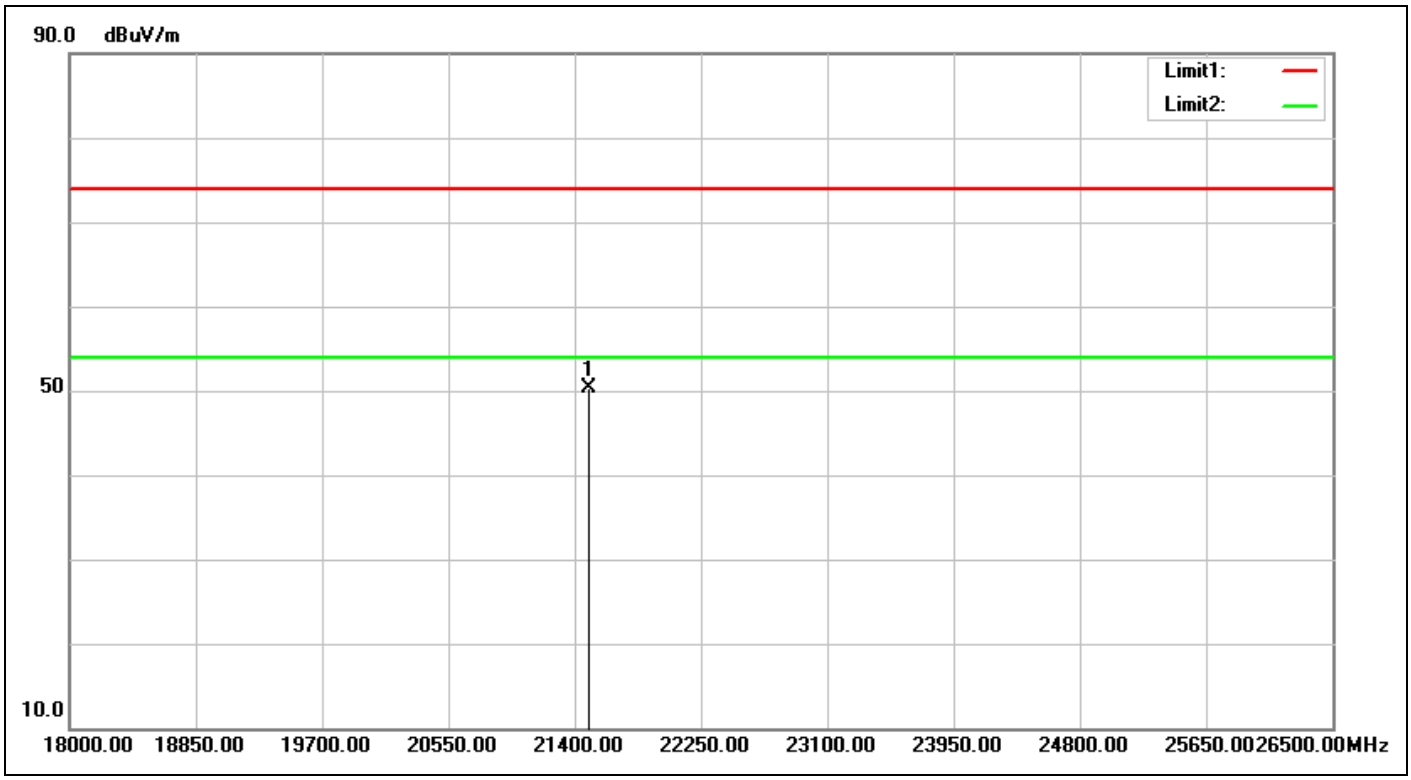

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:51:47**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Rx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	21493.500	32.02	18.38	50.40	74.00	-23.60	peak	100	202	

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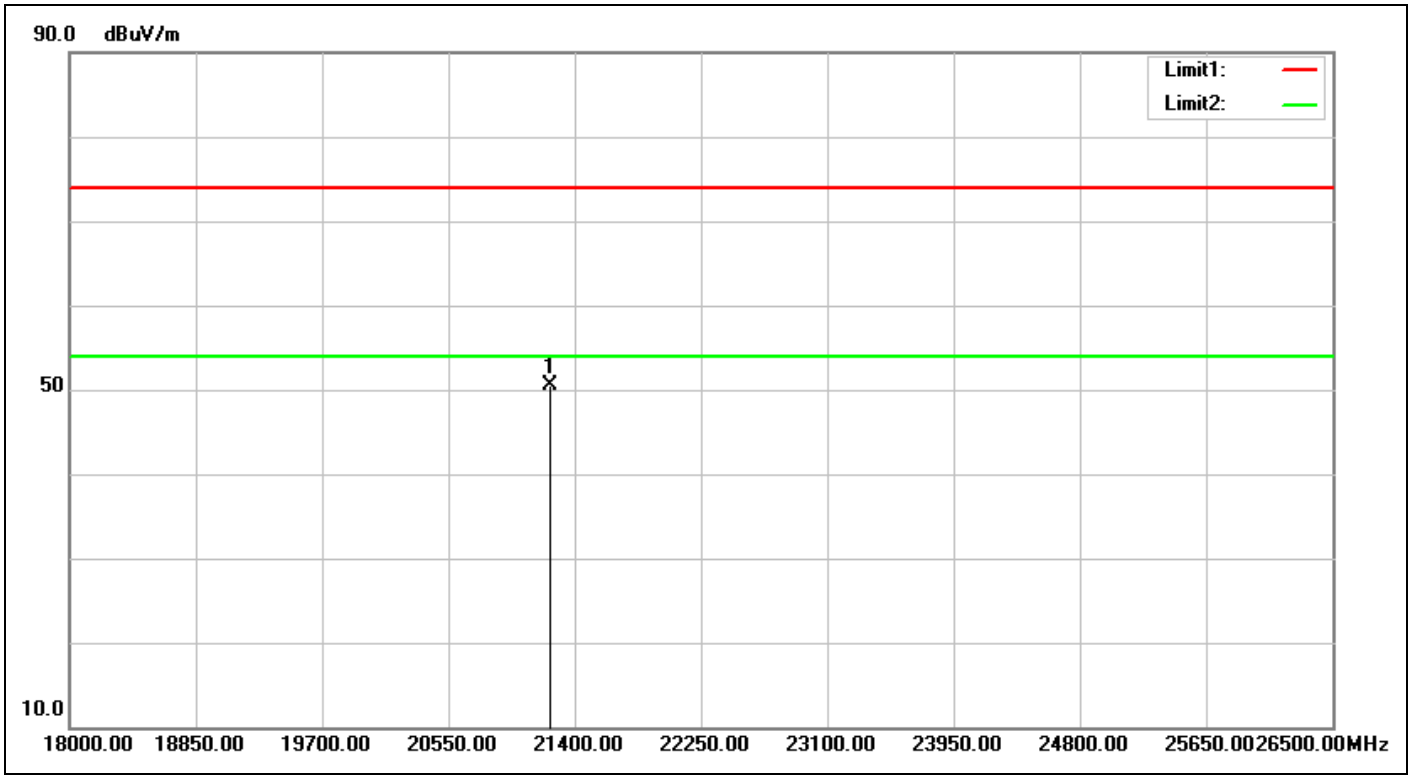

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2017/12/29 22:52:50**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.5(℃)/51%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Rx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	21238.500	31.64	18.96	50.60	74.00	-23.40	peak	100	213	

Spurious Emissions, RX Mode, 30M-1G

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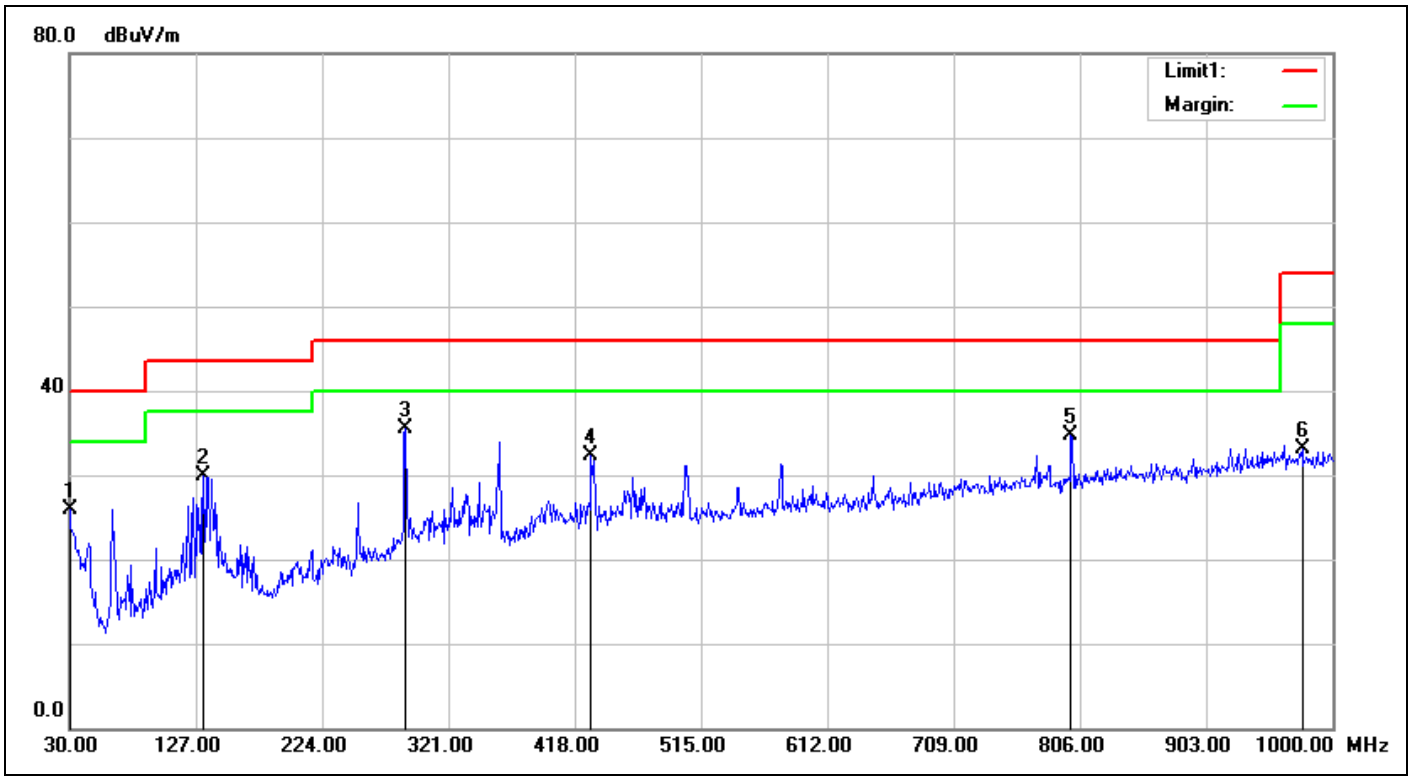

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Class B 3M Radiation**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2018/1/2 19:04:25**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.8(℃)/48%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Rx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	30.0000	-0.25	26.13	25.88	40.00	-14.12	QP	400	19	
2	132.8200	-7.13	37.10	29.97	43.50	-13.53	QP	300	301	
3	288.0200	-4.88	40.34	35.46	46.00	-10.54	QP	200	224	
4	430.6100	-2.11	34.37	32.26	46.00	-13.74	QP	204	149	
5	799.2100	2.77	31.98	34.75	46.00	-11.25	QP	200	158	
6	976.7200	5.62	27.46	33.08	54.00	-20.92	QP	192	181	

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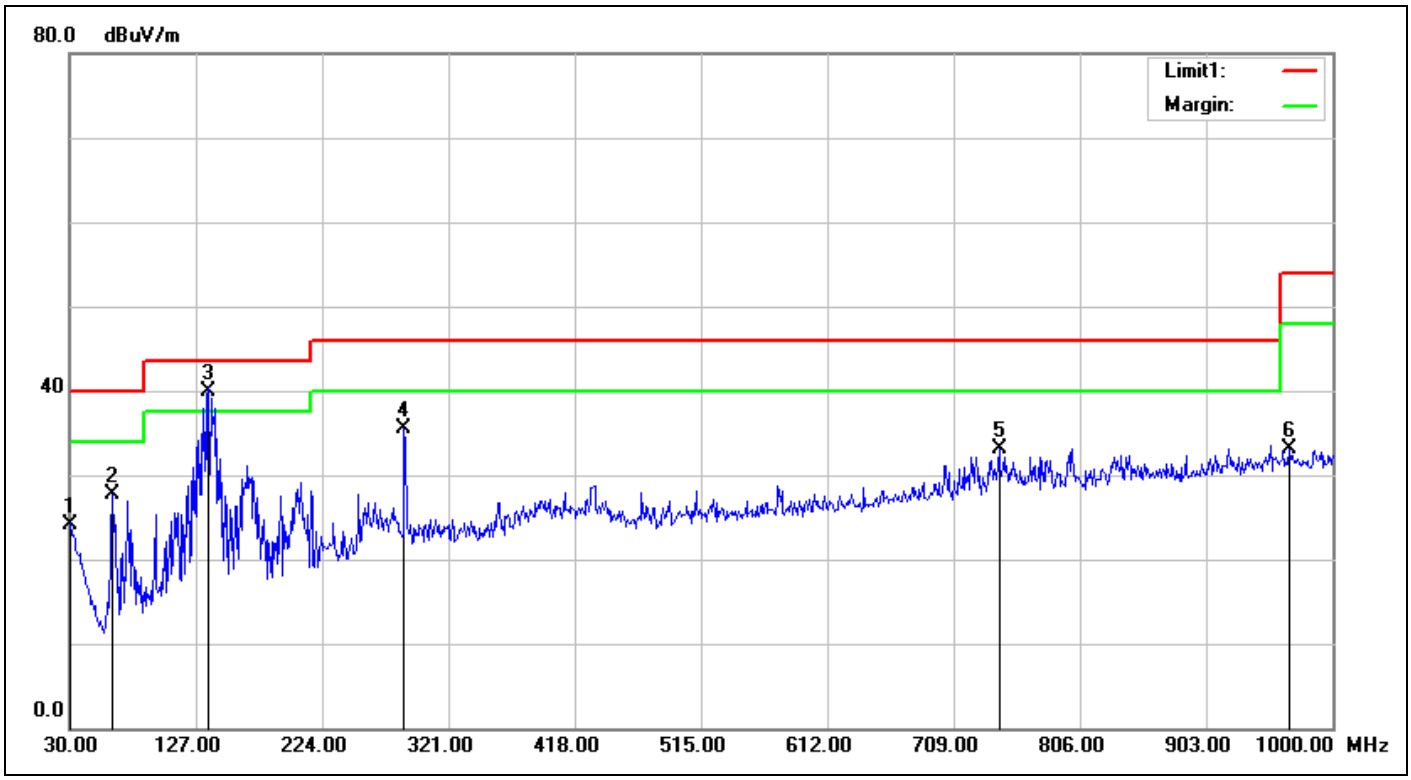

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC Class B 3M Radiation**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2018/1/2 19:10:29**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.8(℃)/48%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Rx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	30.0000	-0.25	24.36	24.11	40.00	-15.89	QP	100	307	
2	62.9800	-13.59	41.35	27.76	40.00	-12.24	QP	100	144	
3	136.7000	-7.06	46.87	39.81	43.50	-3.69	QP	100	299	
4	287.0500	-4.91	40.46	35.55	46.00	-10.45	QP	100	293	
5	743.9200	2.24	30.87	33.11	46.00	-12.89	QP	100	174	
6	967.0200	5.57	27.62	33.19	54.00	-20.81	QP	100	219	

Spurious Emissions, RX Mode, 150K-30M

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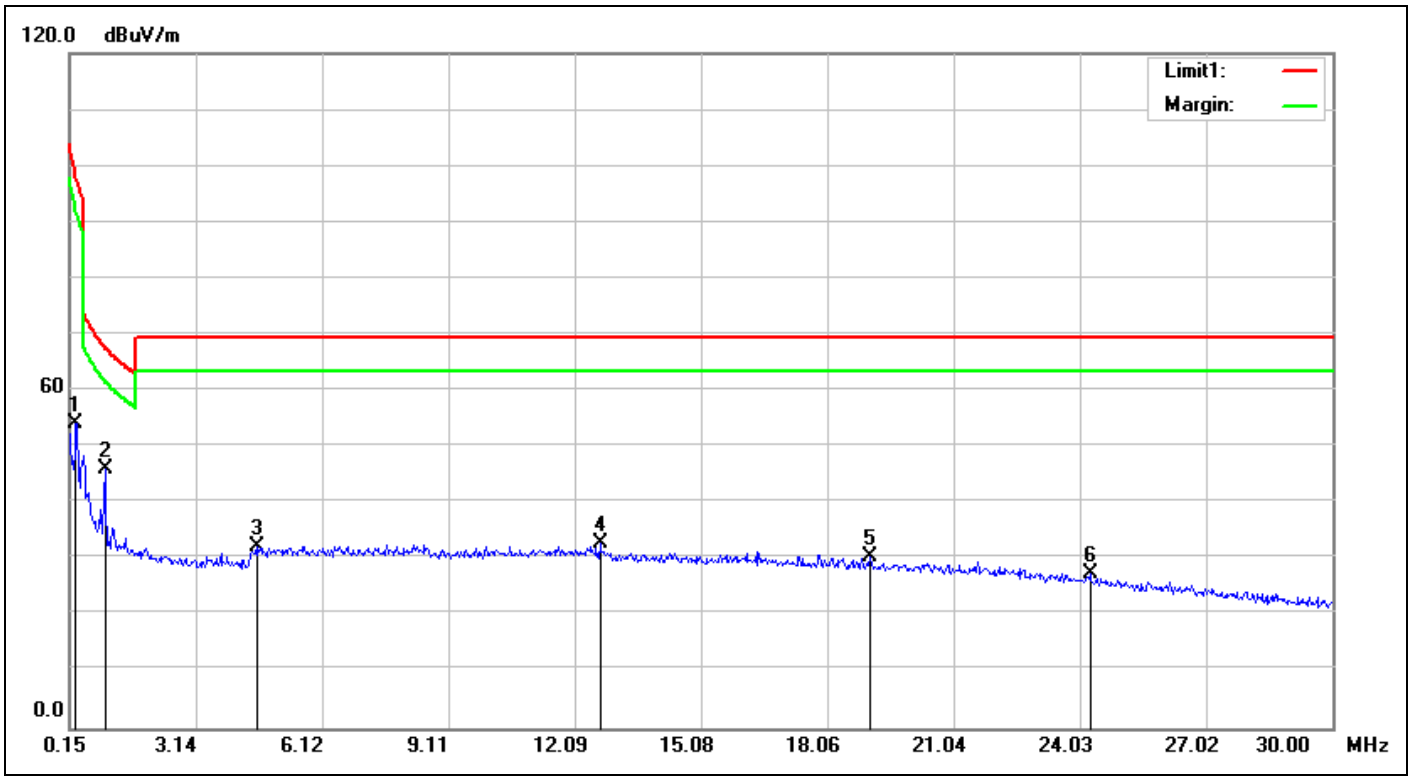

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC15.209_9k-1G_3m**	**Ant. Polarization:**	
Test item:	**Radiation Emission**	**Test Time:**	**2018/1/2 20:21:32**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.8(℃)/48%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Rx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	0.2993	18.94	35.34	54.28	98.08	-43.80	QP	100	245	
2	0.9858	18.98	26.94	45.92	67.75	-21.83	QP	100	317	
3	4.5678	19.49	12.79	32.28	69.50	-37.22	QP	100	115	
4	12.6870	20.70	12.28	32.98	69.50	-36.52	QP	100	126	
5	19.0749	21.82	8.54	30.36	69.50	-39.14	QP	100	174	
6	24.2688	22.27	5.24	27.51	69.50	-41.99	QP	100	198	

Spurious Emissions, RX Mode, 9K-150K

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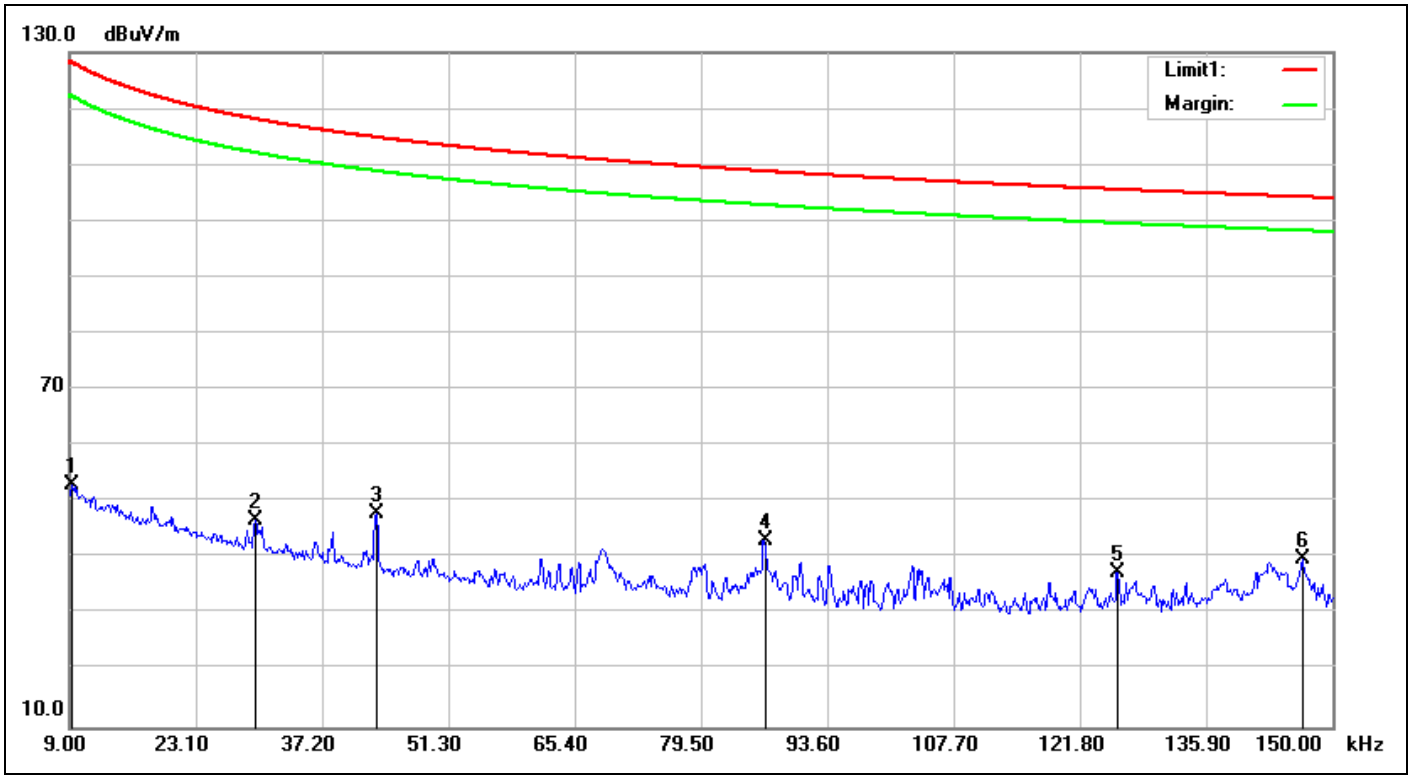

Service No.:	**114071318**	**Test Distance:**	**3m**
Test Standard:	**NCC15.209_9k-1G_3m**	**Ant. Polarization:**	
Test item:	**Radiation Emission**	**Test Time:**	**2018/1/2 20:17:05**
Applicant:	**Elgato Systems GmbH**	**Test Rating:**	**DC 3V**
Product:	**Eve Room**	**Temp.(℃)/Hum.(%):**	**22.8(℃)/48%**
Model No.:	**20EAM9901**	**Test Engineer:**	**Kai Wang**
Test Mode:	**2440-Rx**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	0.0093	19.65	33.28	52.93	128.22	-75.29	QP	100	154	
2	0.0297	20.13	26.61	46.74	118.14	-71.40	QP	100	225	
3	0.0433	19.66	28.36	48.02	114.86	-66.84	QP	100	106	
4	0.0866	19.21	24.05	43.26	108.85	-65.59	QP	100	173	
5	0.1260	19.10	18.48	37.58	105.59	-68.01	QP	100	318	
6	0.1466	19.08	20.89	39.97	104.28	-64.31	QP	100	249	

Mains Emission, 150K-30M

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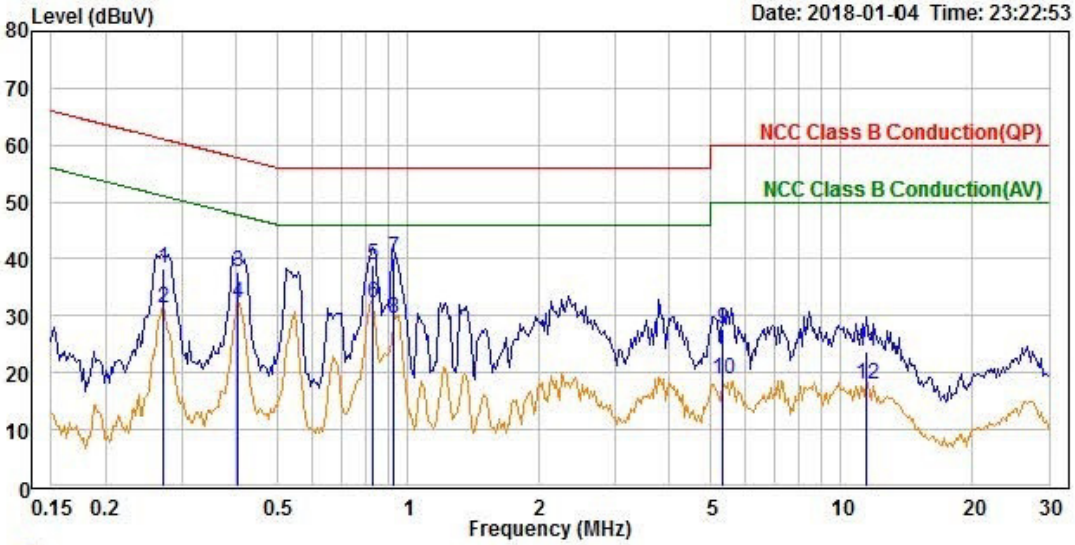

Trace: 1

Site : Conduction room
Condition : NCC Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : **Elgato Systems GmbH**
Product : Eve Room
Model No. : **20EAM9901**
Test Rating : 110Vac/60Hz
Tmp/Hum : 23.8℃ / 46%
Memo : AC Mains

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.272	28.82	9.66	38.48	61.05	-22.57	QP
2	0.272	21.61	9.66	31.27	51.05	-19.78	Average
3	0.405	28.02	9.66	37.68	57.74	-20.06	QP
4	0.405	22.68	9.66	32.34	47.74	-15.40	Average
5	0.829	29.37	9.66	39.03	56.00	-16.97	QP
6	0.829	22.54	9.66	32.20	46.00	-13.80	Average
7	0.925	30.51	9.67	40.18	56.00	-15.82	QP
8	0.925	19.73	9.67	29.40	46.00	-16.60	Average
9	5.320	18.07	9.73	27.80	60.00	-32.20	QP
10	5.320	9.07	9.73	18.80	50.00	-31.20	Average
11	11.438	14.07	9.80	23.87	60.00	-36.13	QP
12	11.438	8.04	9.80	17.84	50.00	-32.16	Average

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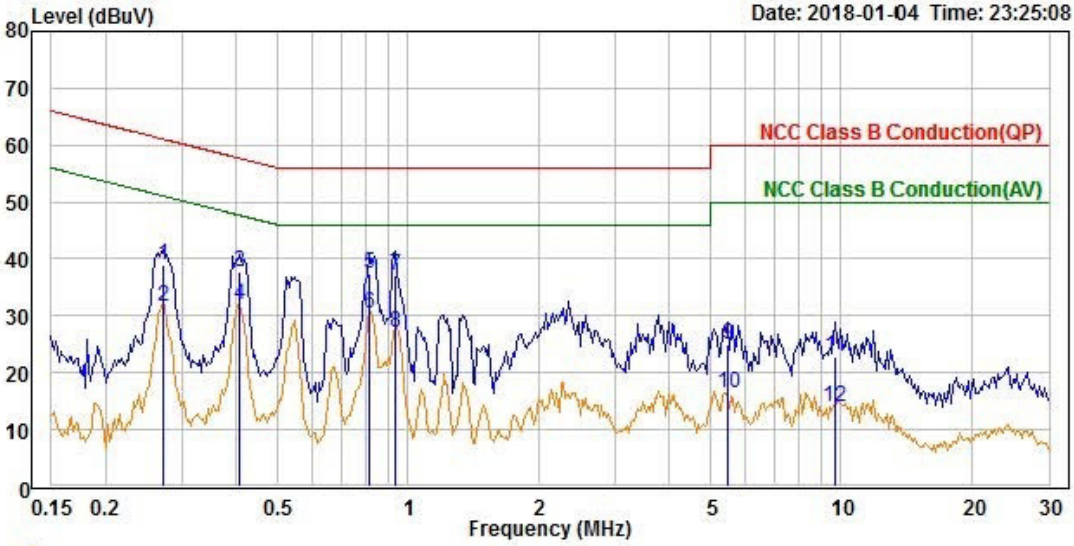

Trace: 1

Site : Conduction room
Condition : NCC Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : **Elgato Systems GmbH**
Product : Eve Room
Model No. : **20EAM9901**
Test Rating : 110Vac/60Hz
Tmp/Hum : 23.8℃ / 46%
Memo : AC Mains

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.272	29.14	9.67	38.81	61.05	-22.24	QP
2	0.272	22.04	9.67	31.71	51.05	-19.34	Average
3	0.409	28.16	9.66	37.82	57.66	-19.84	QP
4	0.409	22.26	9.66	31.92	47.66	-15.74	Average
5	0.813	27.79	9.67	37.46	56.00	-18.54	QP
6	0.813	20.83	9.67	30.50	46.00	-15.50	Average
7	0.934	27.54	9.68	37.22	56.00	-18.78	QP
8	0.934	17.32	9.68	27.00	46.00	-19.00	Average
9	5.481	15.14	9.74	24.88	60.00	-35.12	QP
10	5.481	6.57	9.74	16.31	50.00	-33.69	Average
11	9.660	12.88	9.81	22.69	60.00	-37.31	QP
12	9.660	4.20	9.81	14.01	50.00	-35.99	Average