

Test Report No.50086093 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50086093AppendixD)

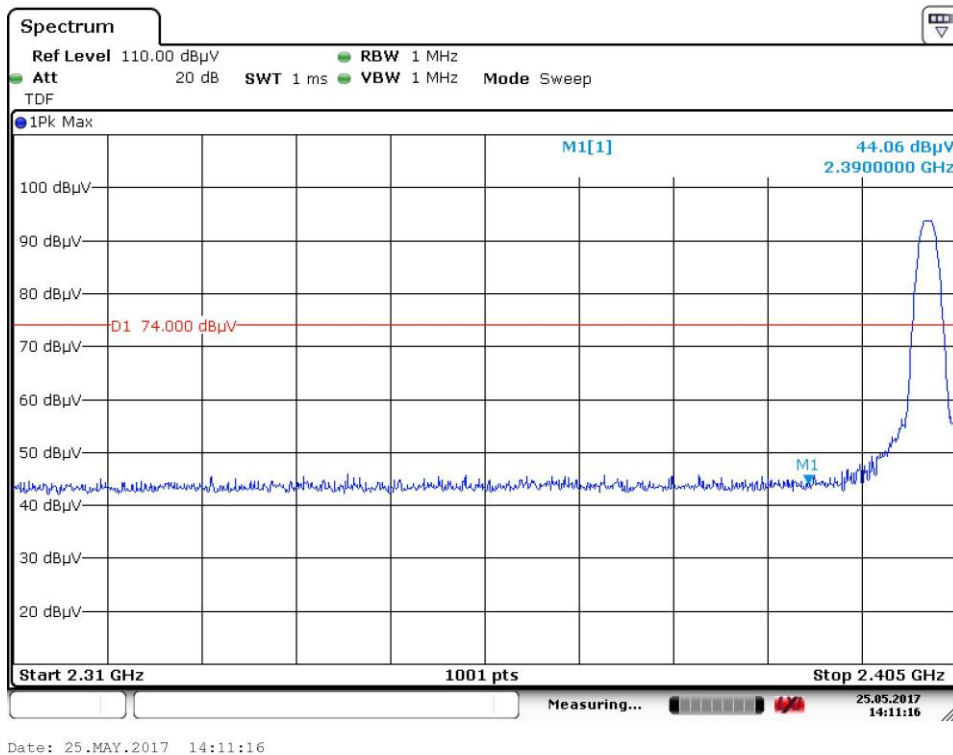
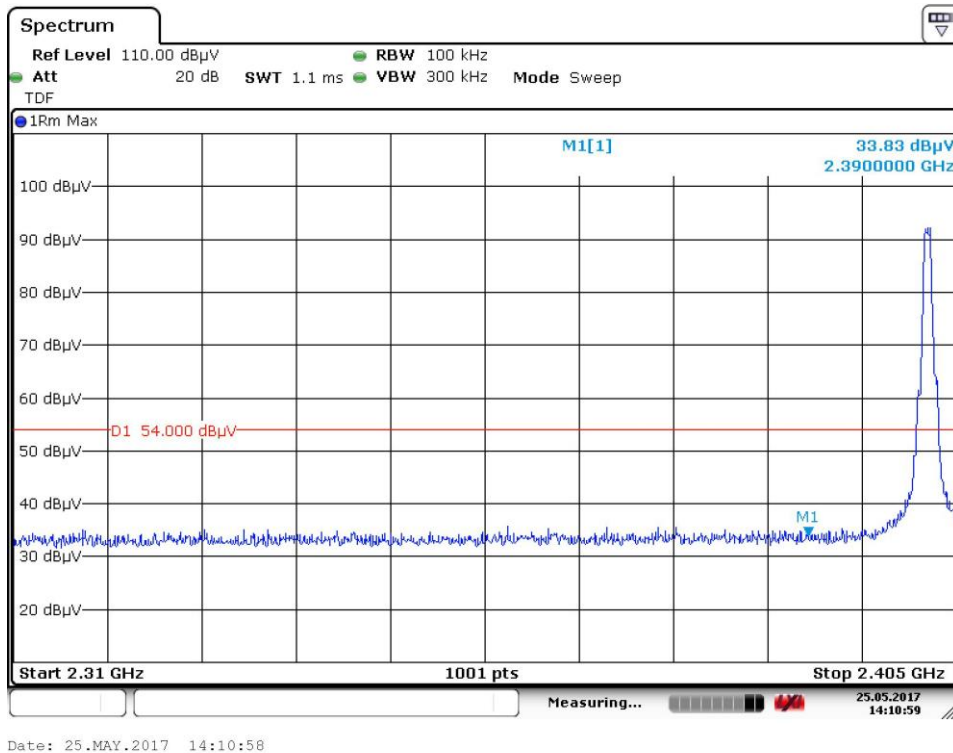
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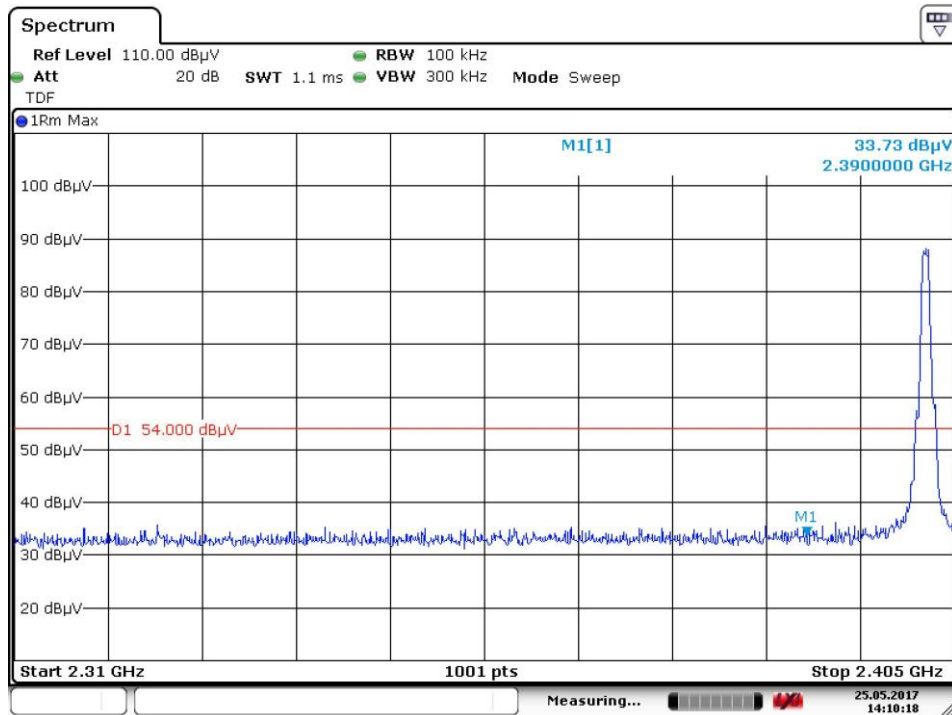
Radiated Bandedge (GFSK)

Low Channel (Hor)

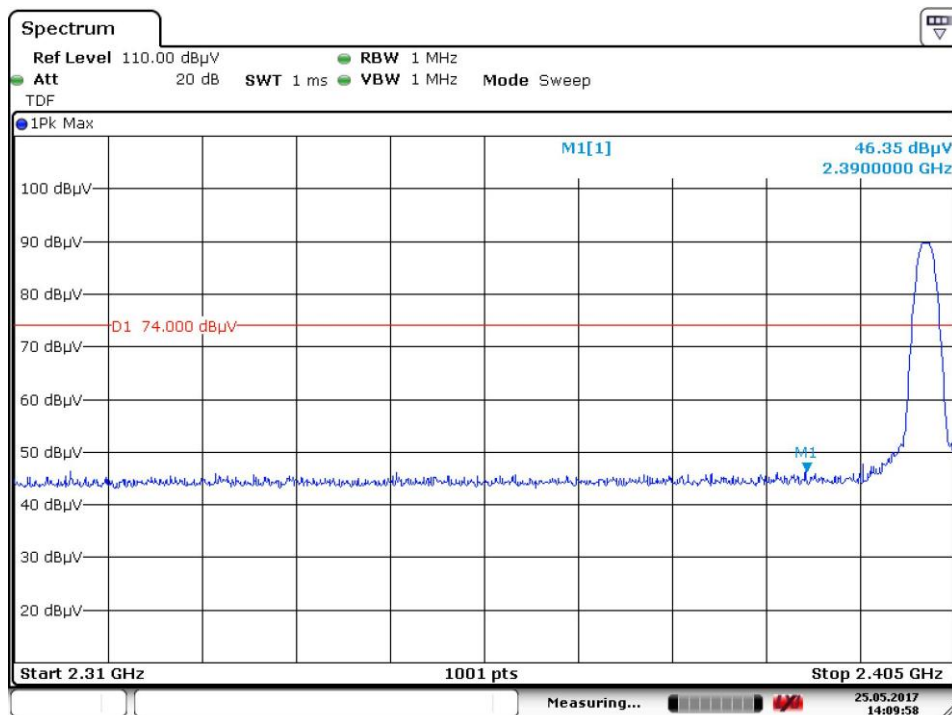


Spurious Emissions, Band Edge, 2.35-2.5G

Low Channel (Ver)



Date: 25.MAY.2017 14:10:19

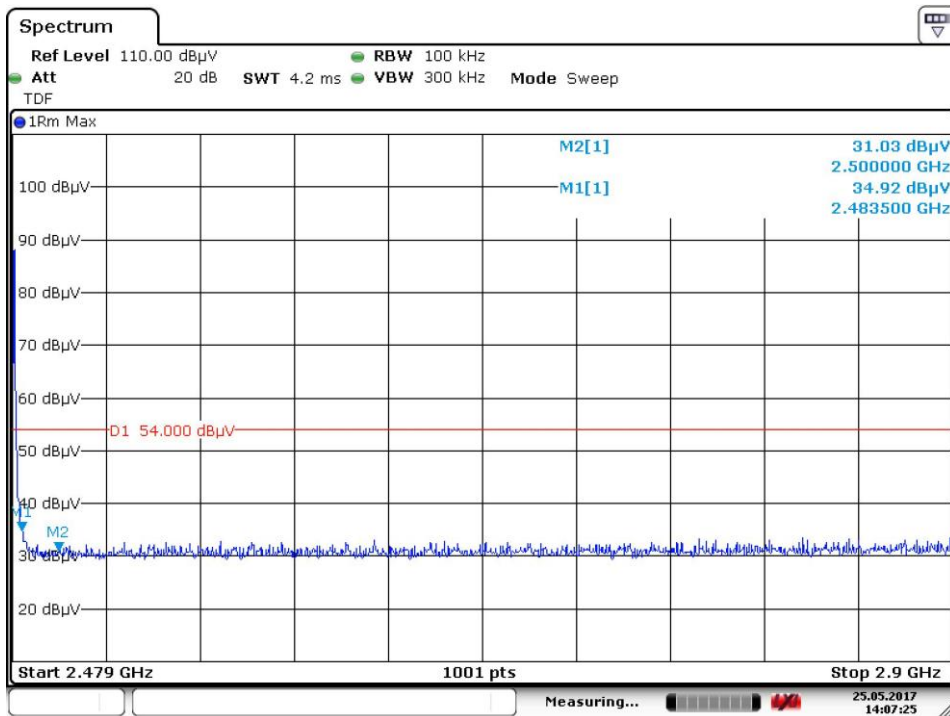


Date: 25.MAY.2017 14:09:58

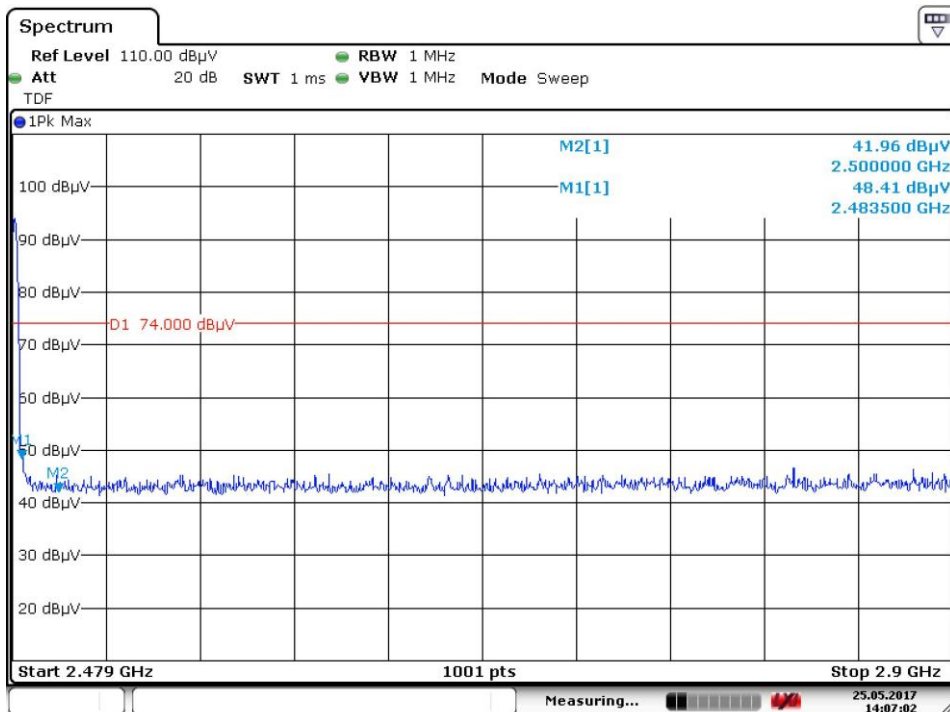
Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge (GFSK)

High Channel (Hor)



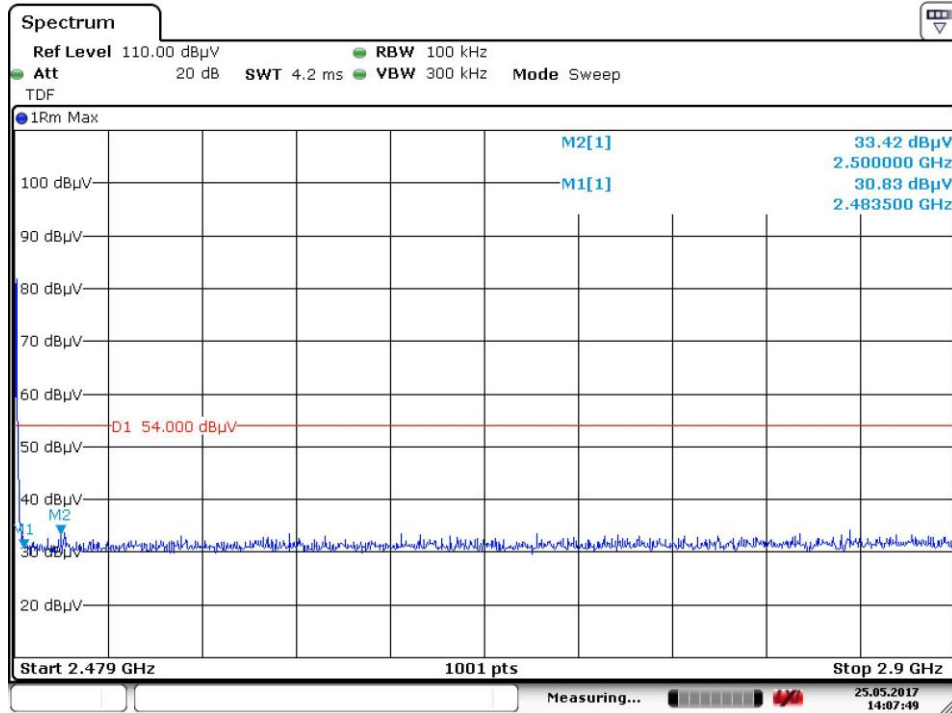
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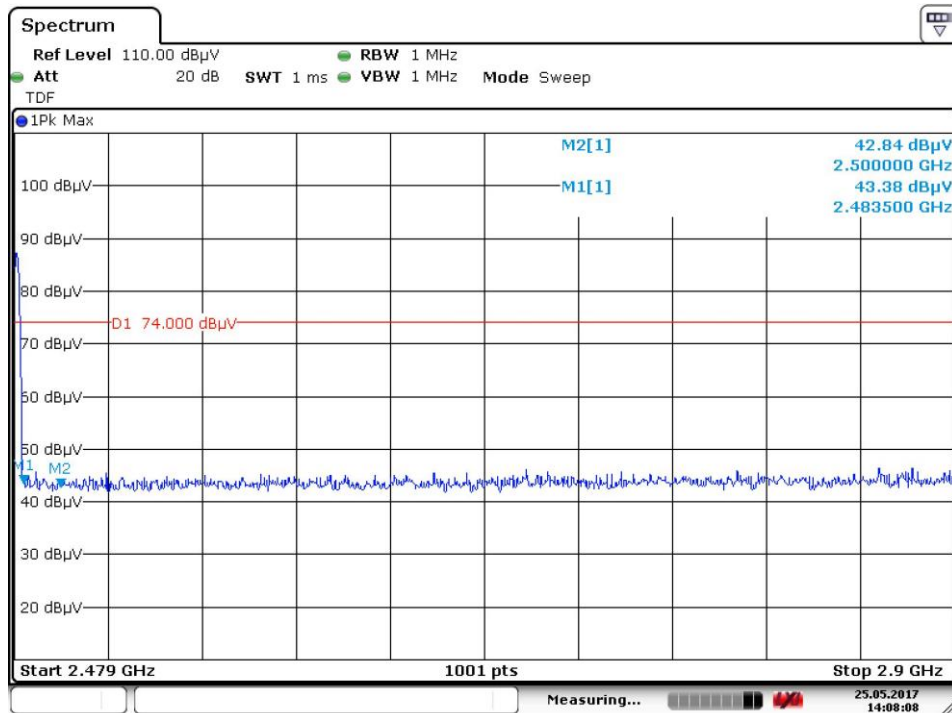
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Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Date: 25.MAY.2017 14:07:49



Date: 25.MAY.2017 14:08:09

Spurious Emissions, Band Edge, 2.35-2.5G

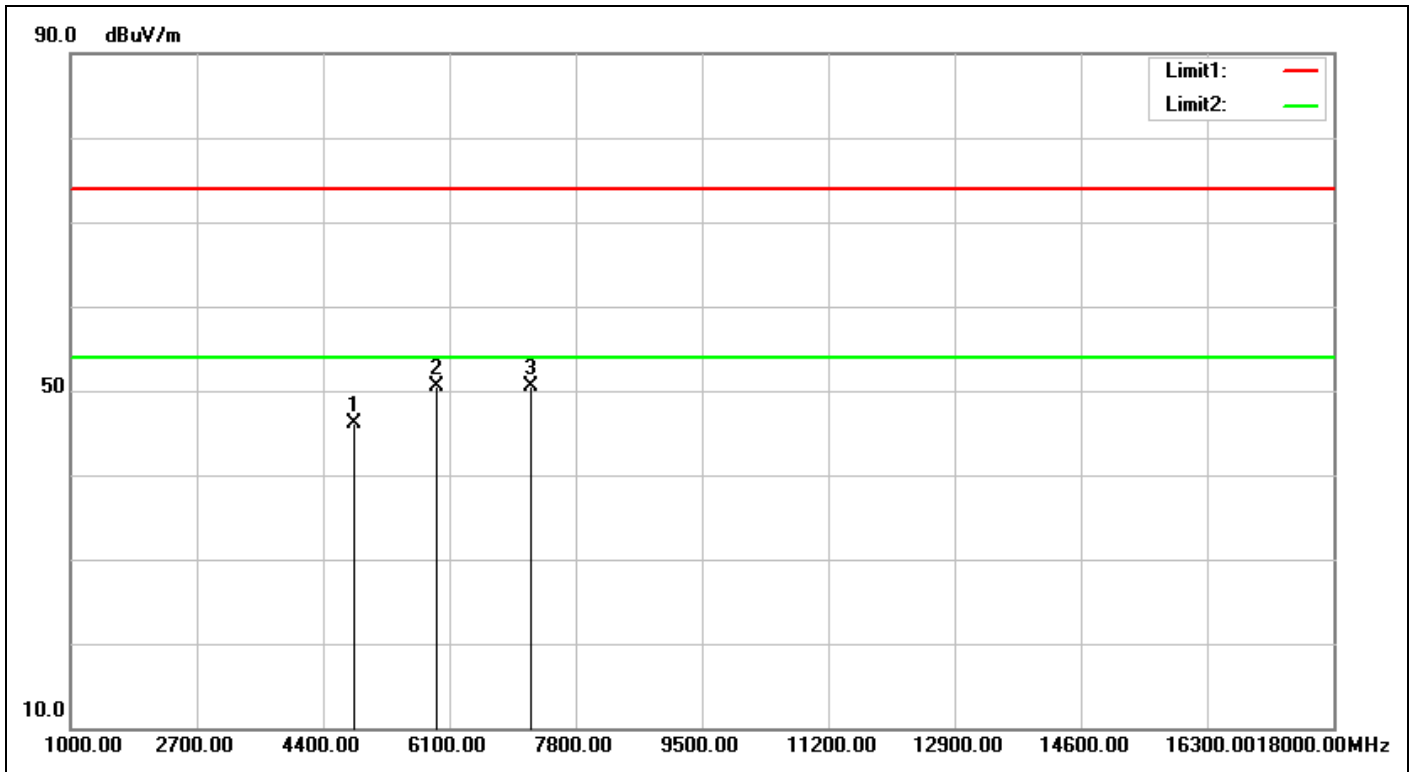
Spurious Emissions, TX Mode, 1-18G



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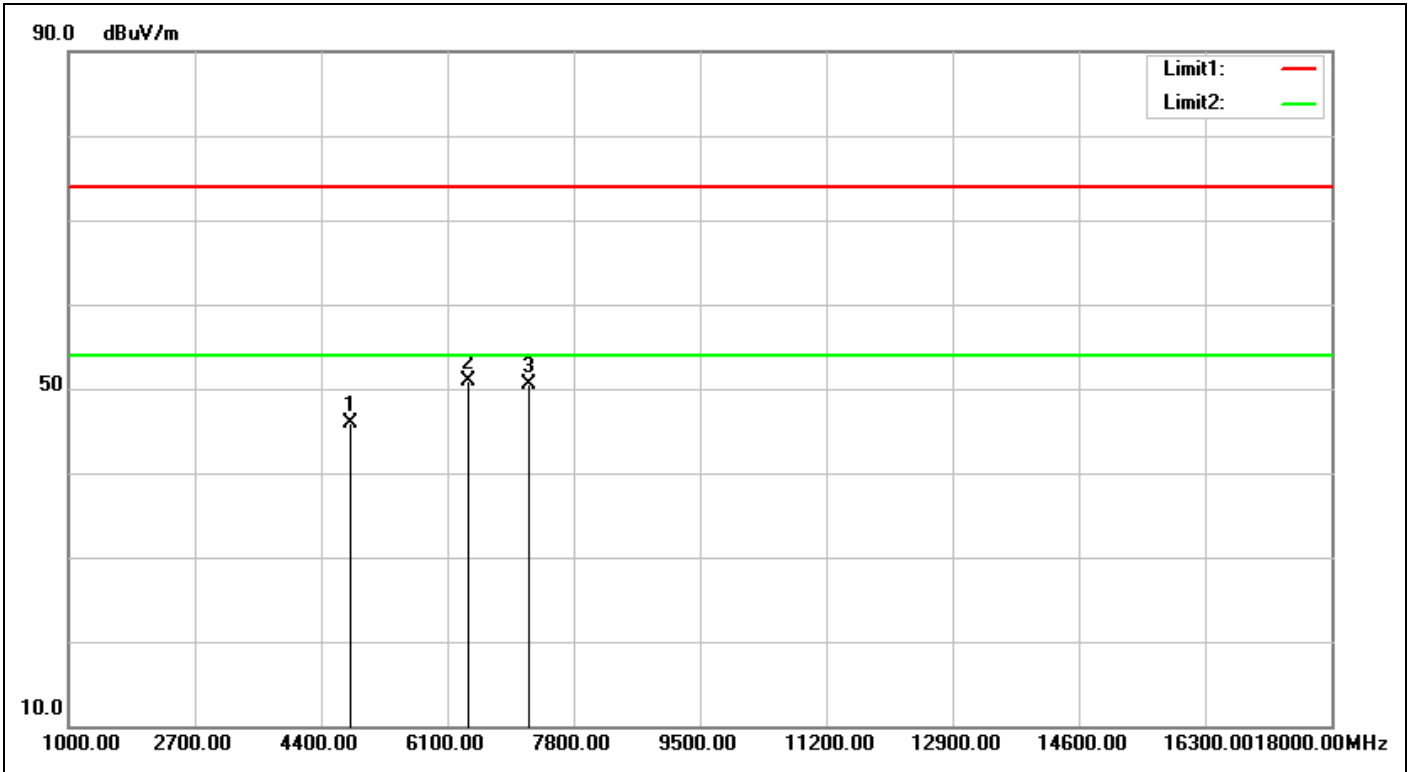
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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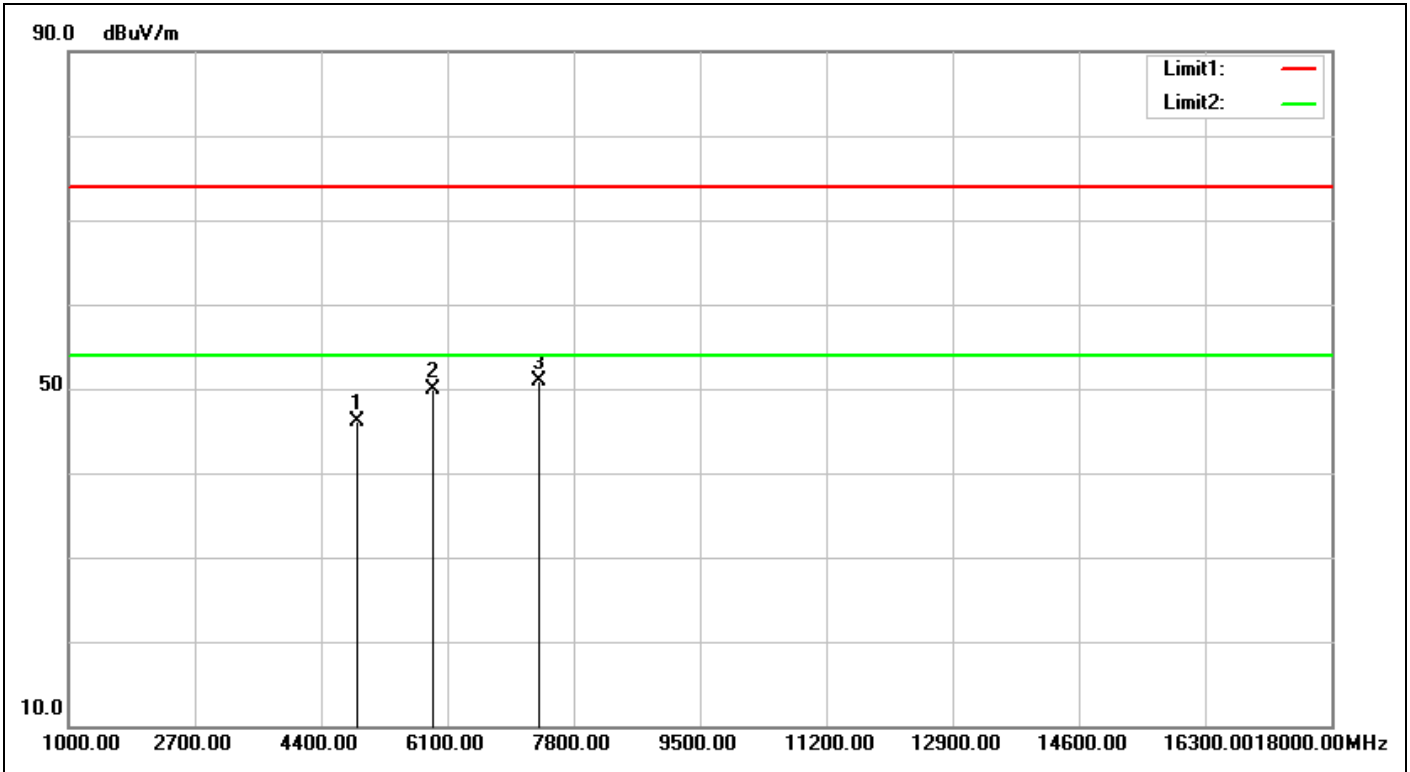
Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:10:27
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	4804.000	-2.86	49.03	46.17	74.00	-27.83	peak		0	
2	5930.000	3.50	47.02	50.52	74.00	-23.48	peak	100	196	
3	7206.000	5.56	45.02	50.58	74.00	-23.42	peak		0	



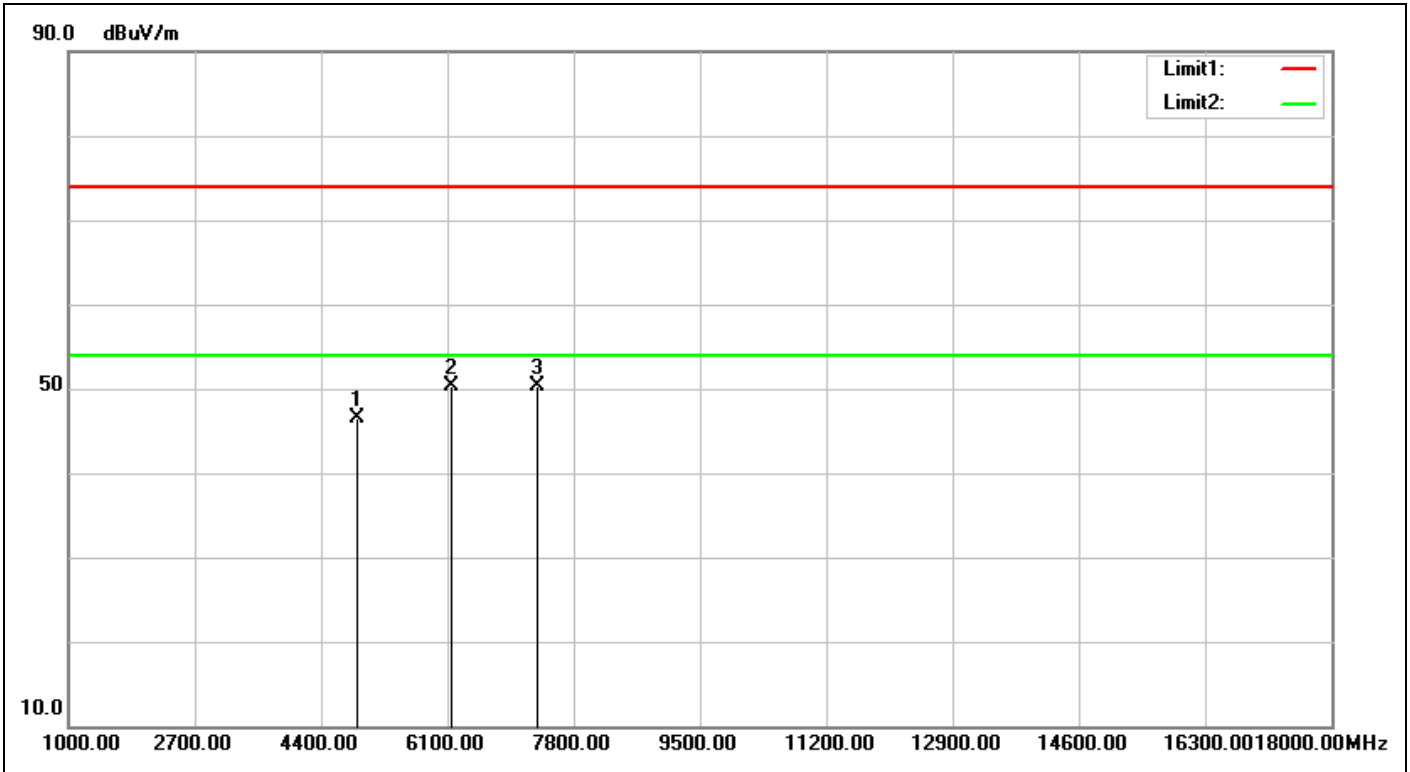
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:11:29
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	4804.000	-2.86	48.80	45.94	74.00	-28.06	peak			
2	6389.000	5.28	45.63	50.91	74.00	-23.09	peak	100	14	
3	7206.000	5.56	44.92	50.48	74.00	-23.52	peak			



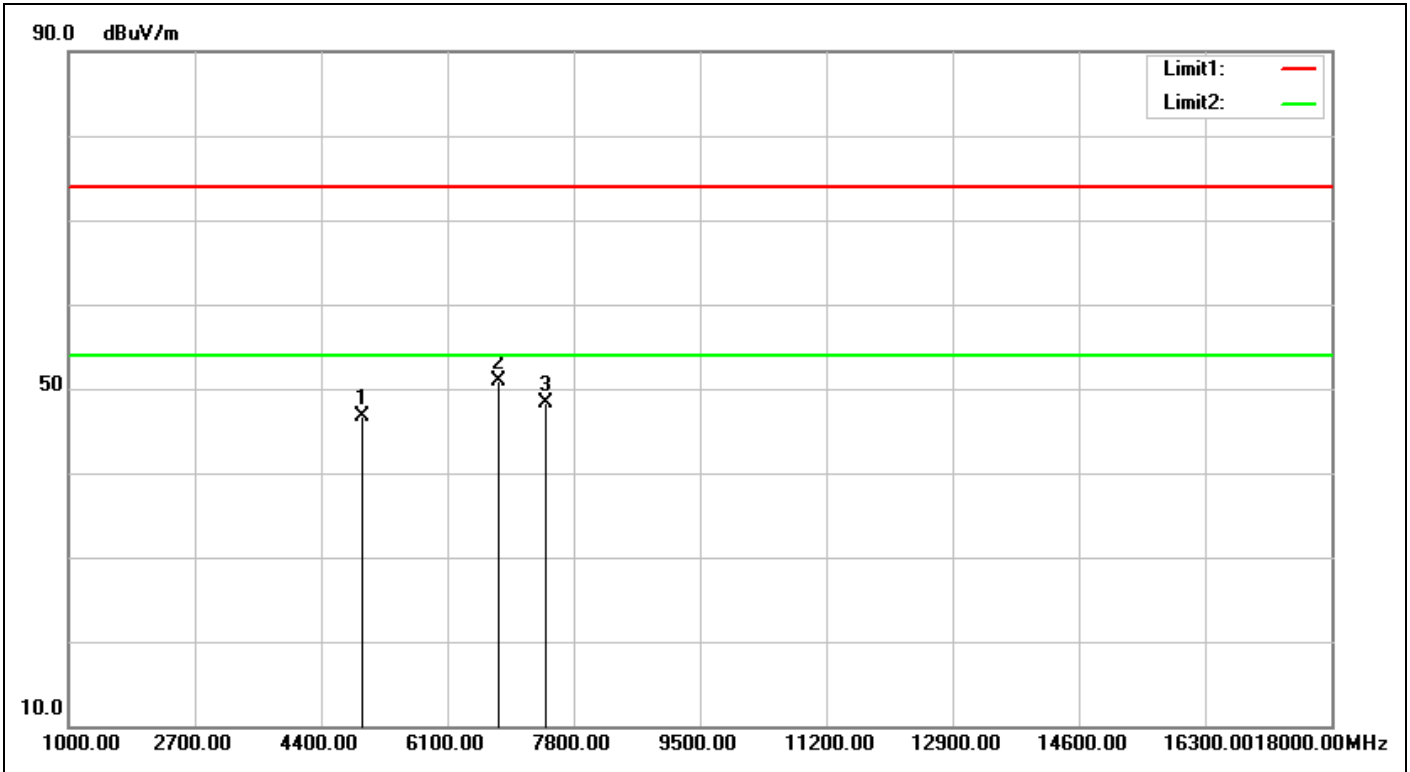
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:14:02
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	4880.000	-2.68	48.75	46.07	74.00	-27.93	peak			
2	5913.000	3.38	46.56	49.94	74.00	-24.06	peak	100	100	
3	7320.000	5.95	44.86	50.81	74.00	-23.19	peak			



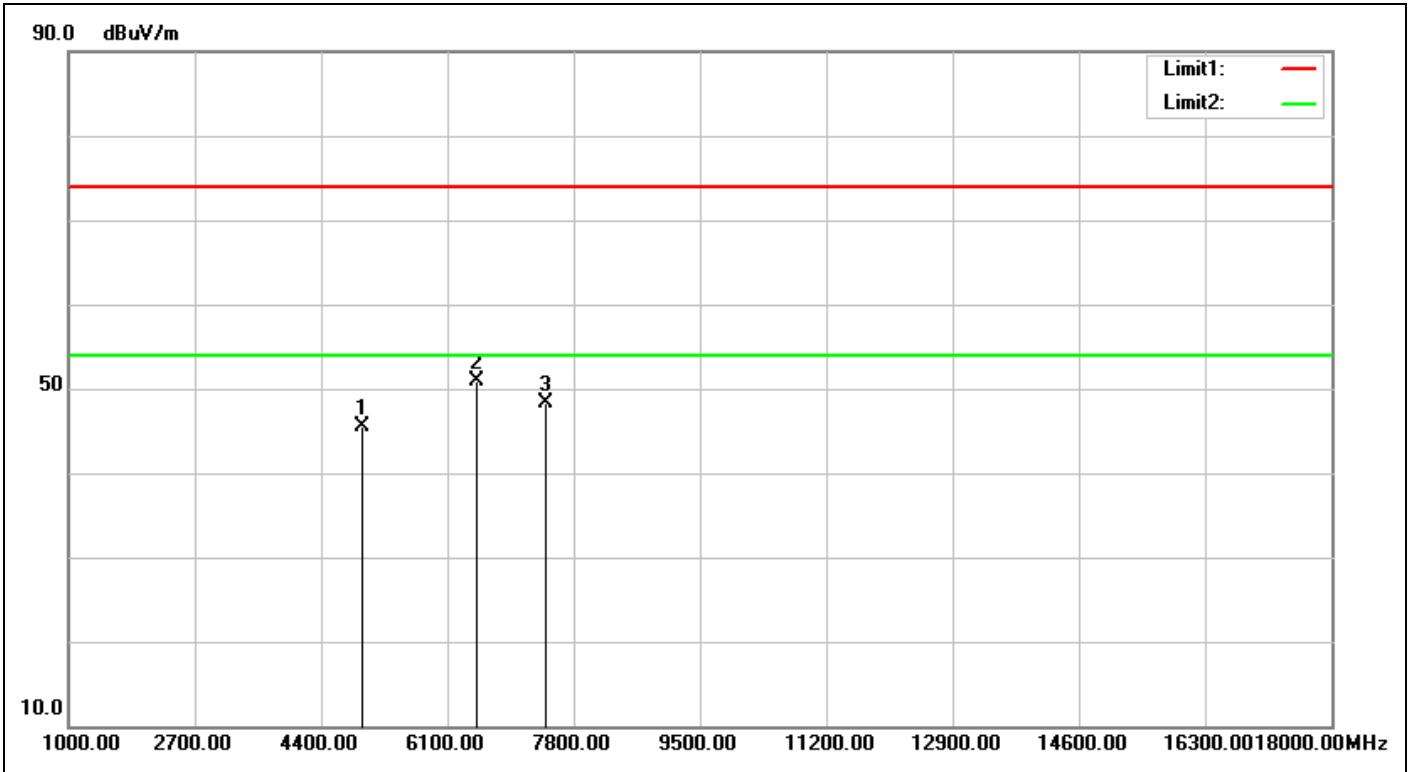
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:15:05
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	4880.000	-2.68	49.17	46.49	74.00	-27.51	peak			
2	6151.000	4.50	45.90	50.40	74.00	-23.60	peak	100	70	
3	7320.000	5.95	44.39	50.34	74.00	-23.66	peak			



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:18:02
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	4960.000	-2.51	49.27	46.76	74.00	-27.24	peak			
2	6780.000	5.22	45.60	50.82	74.00	-23.18	peak	100	34	
3	7440.000	6.36	41.94	48.30	74.00	-25.70	peak			



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:19:05
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	4960.000	-2.51	48.04	45.53	74.00	-28.47	peak			
2	6491.000	5.62	45.21	50.83	74.00	-23.17	peak	100	284	
3	7440.000	6.36	41.99	48.35	74.00	-25.65	peak			

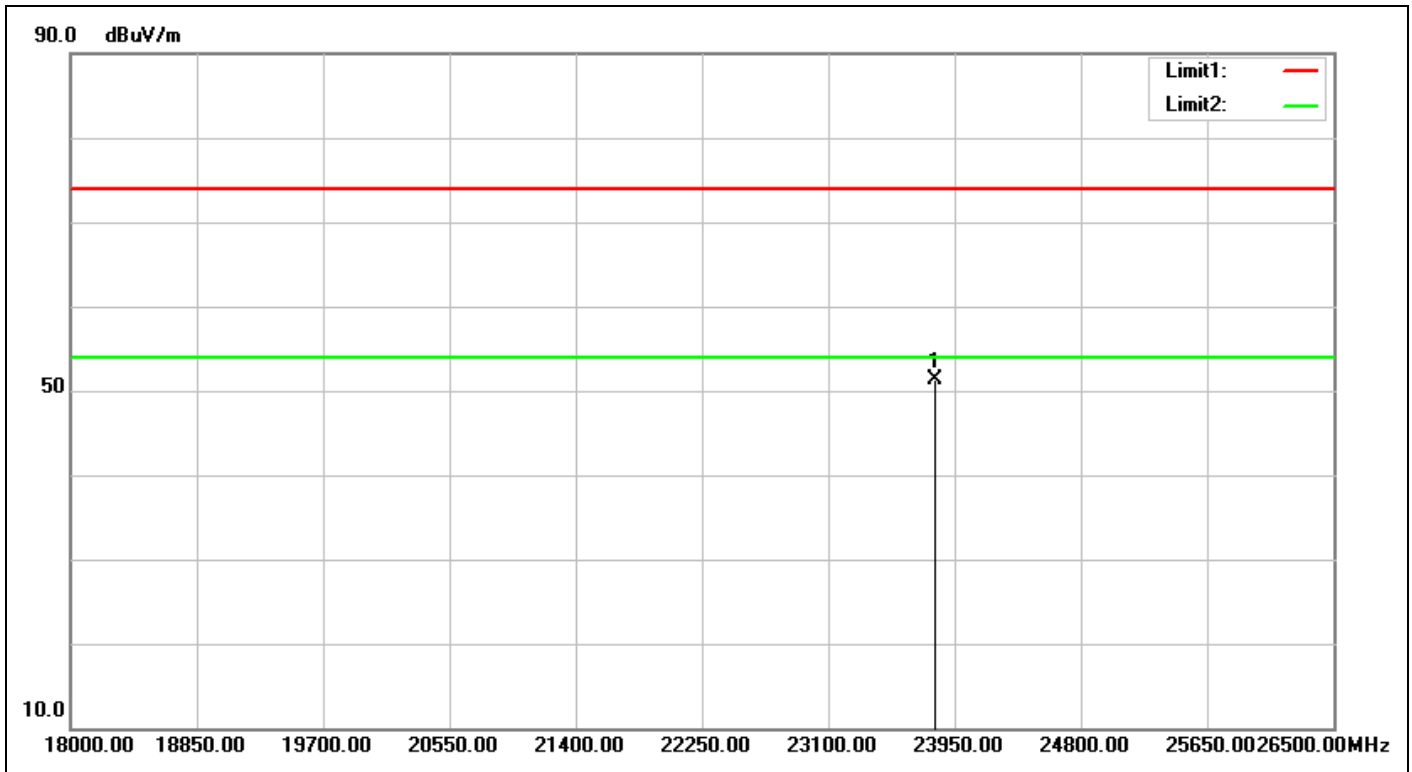
Spurious Emissions, TX Mode, 18-26G



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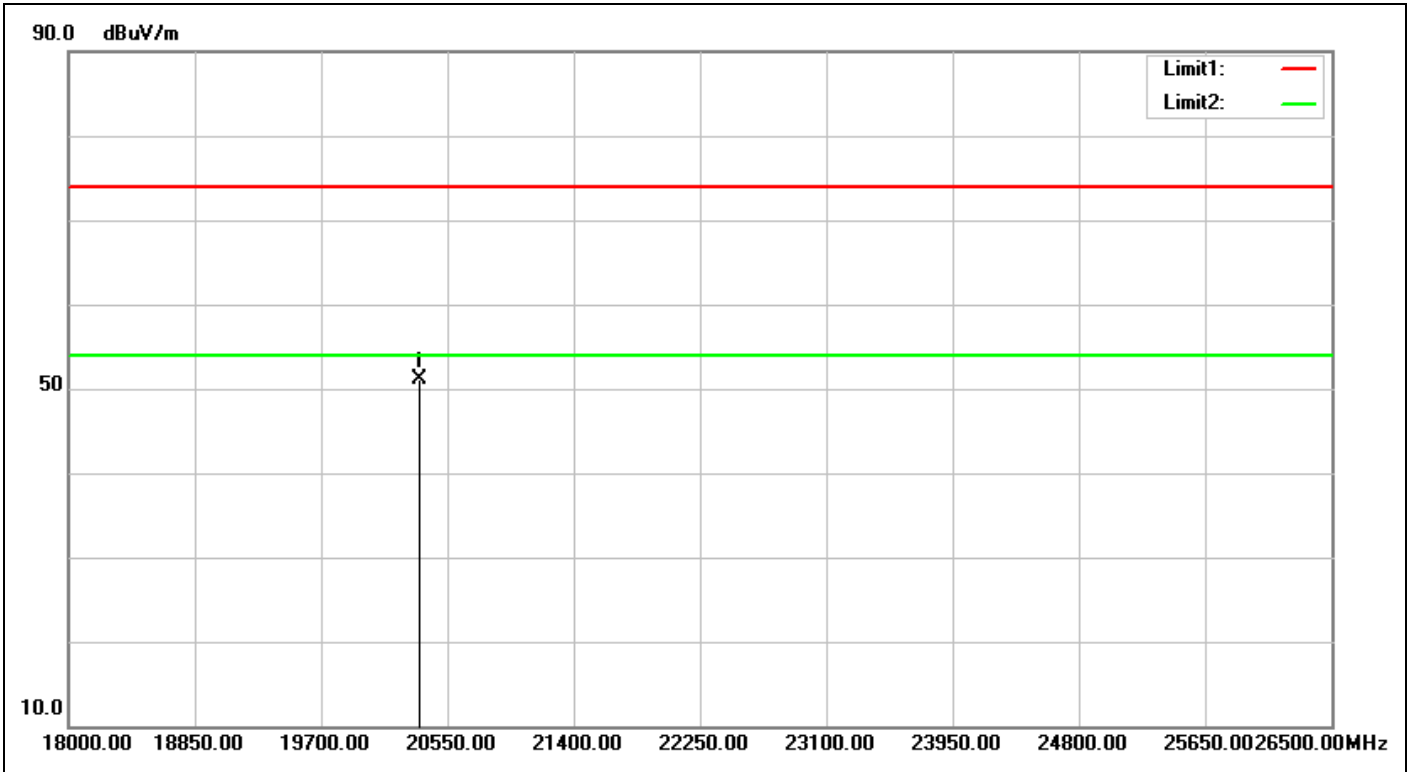
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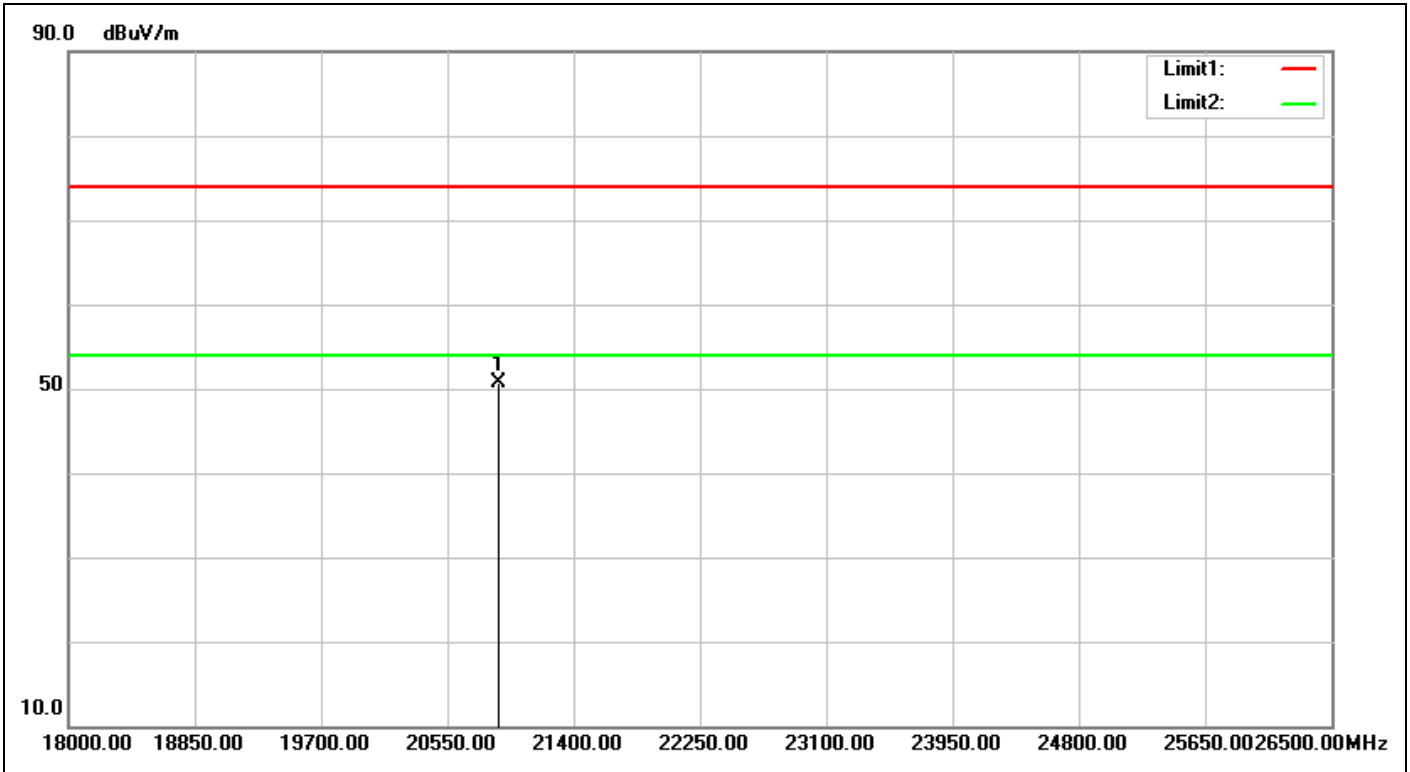
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:28:31
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	23822.500	32.22	19.01	51.23	74.00	-22.77	peak		0	



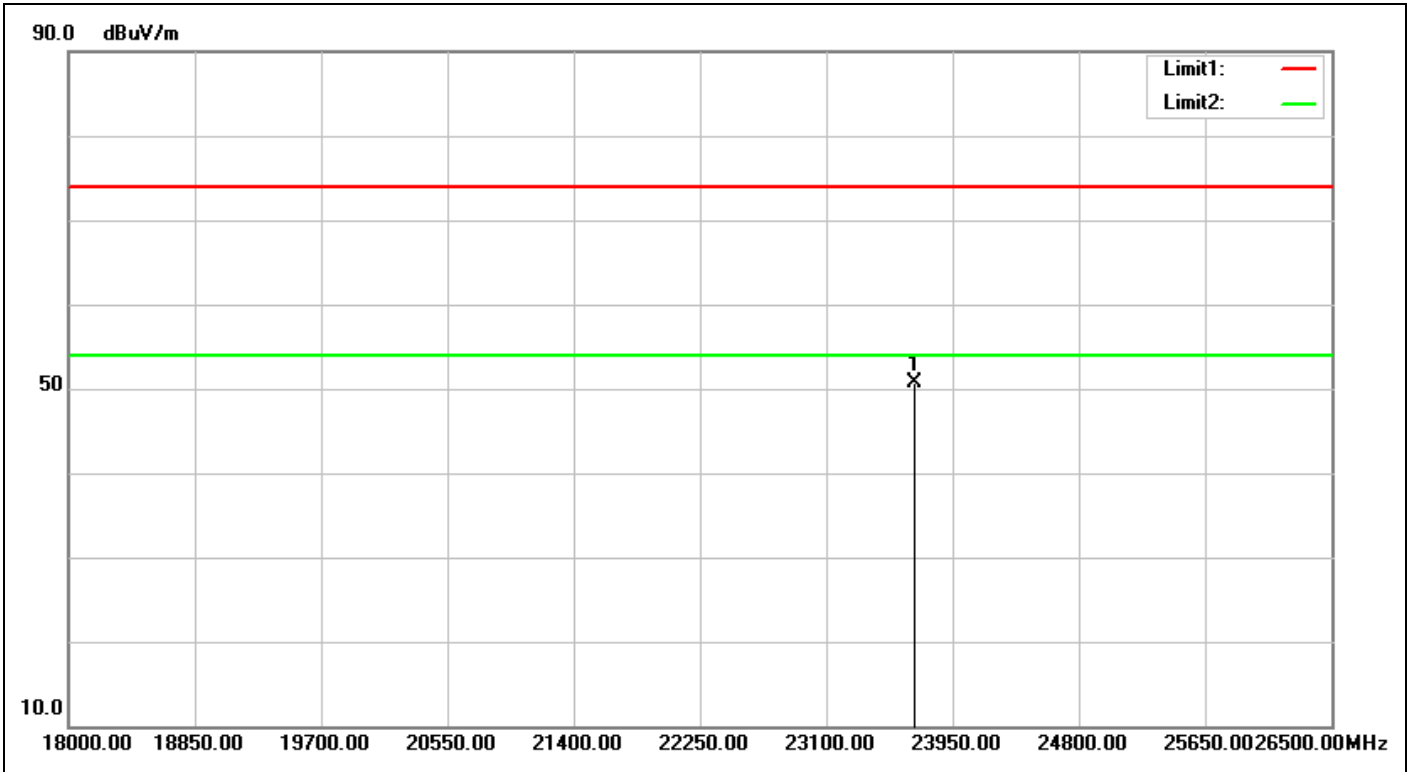
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:29:04
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	20363.000	31.67	19.49	51.16	74.00	-22.84	peak			



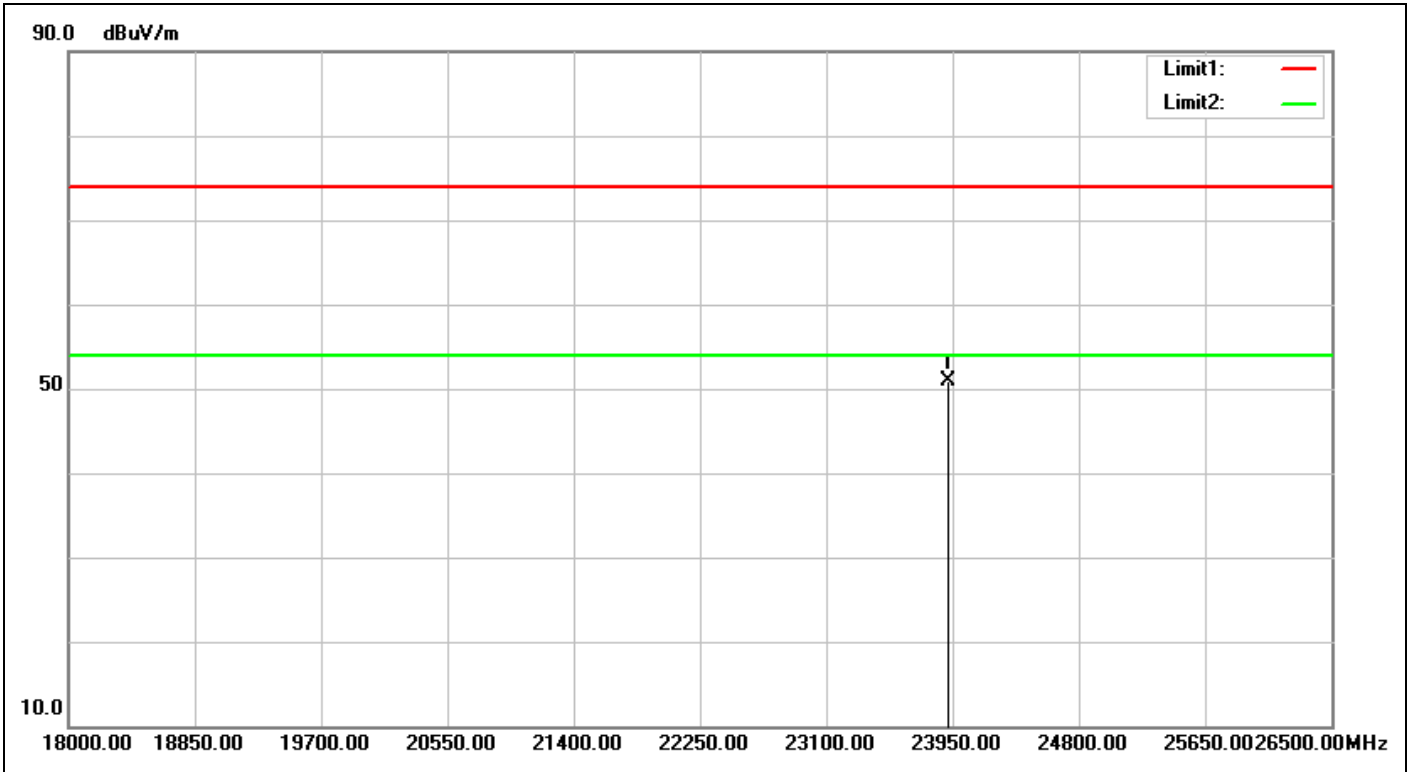
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:29:24
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	20898.500	31.88	18.87	50.75	74.00	-23.25	peak			



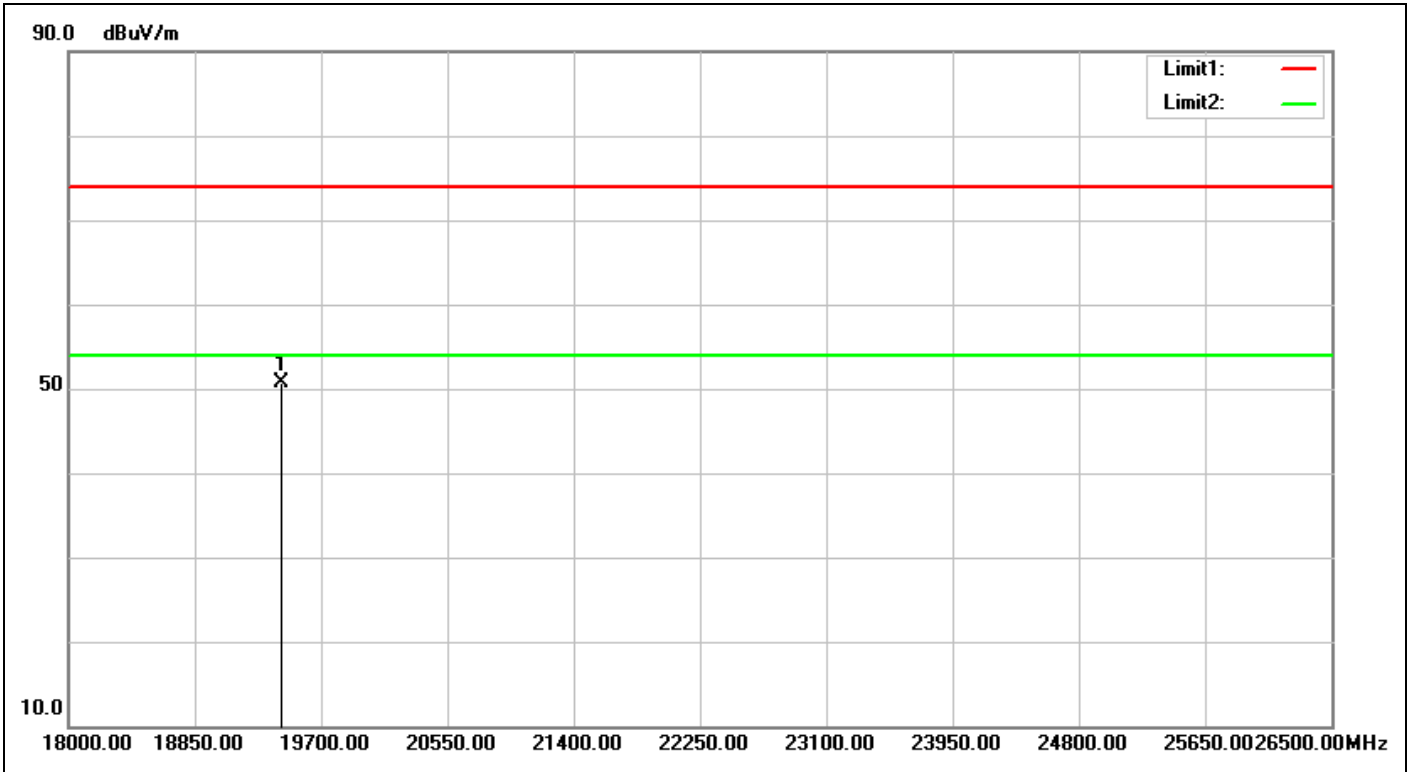
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:29:34
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	23695.000	32.45	18.28	50.73	74.00	-23.27	peak			



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:29:48
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	23924.500	32.02	18.86	50.88	74.00	-23.12	peak			



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:30:01
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	19436.500	31.13	19.48	50.61	74.00	-23.39	peak			

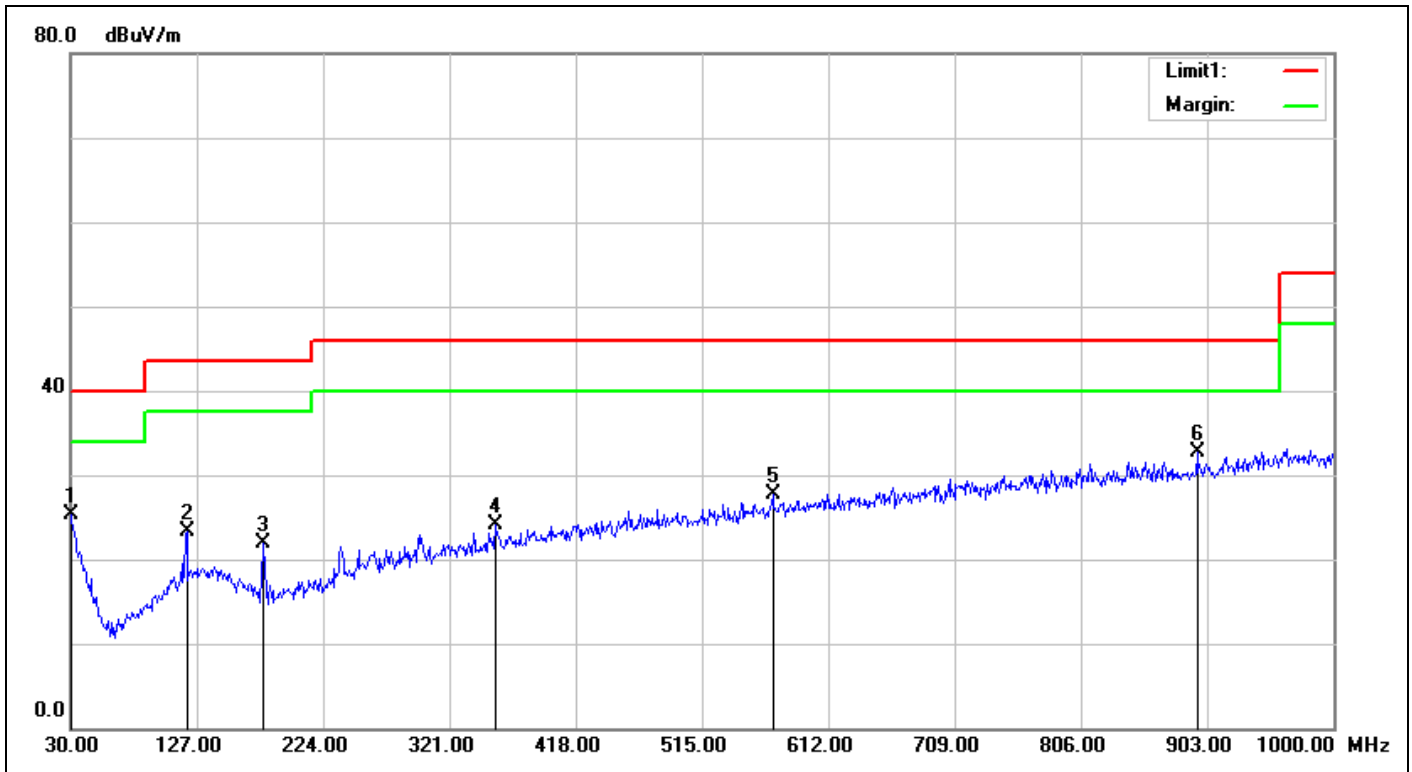
Spurious Emissions, TX Mode, 30M-1G



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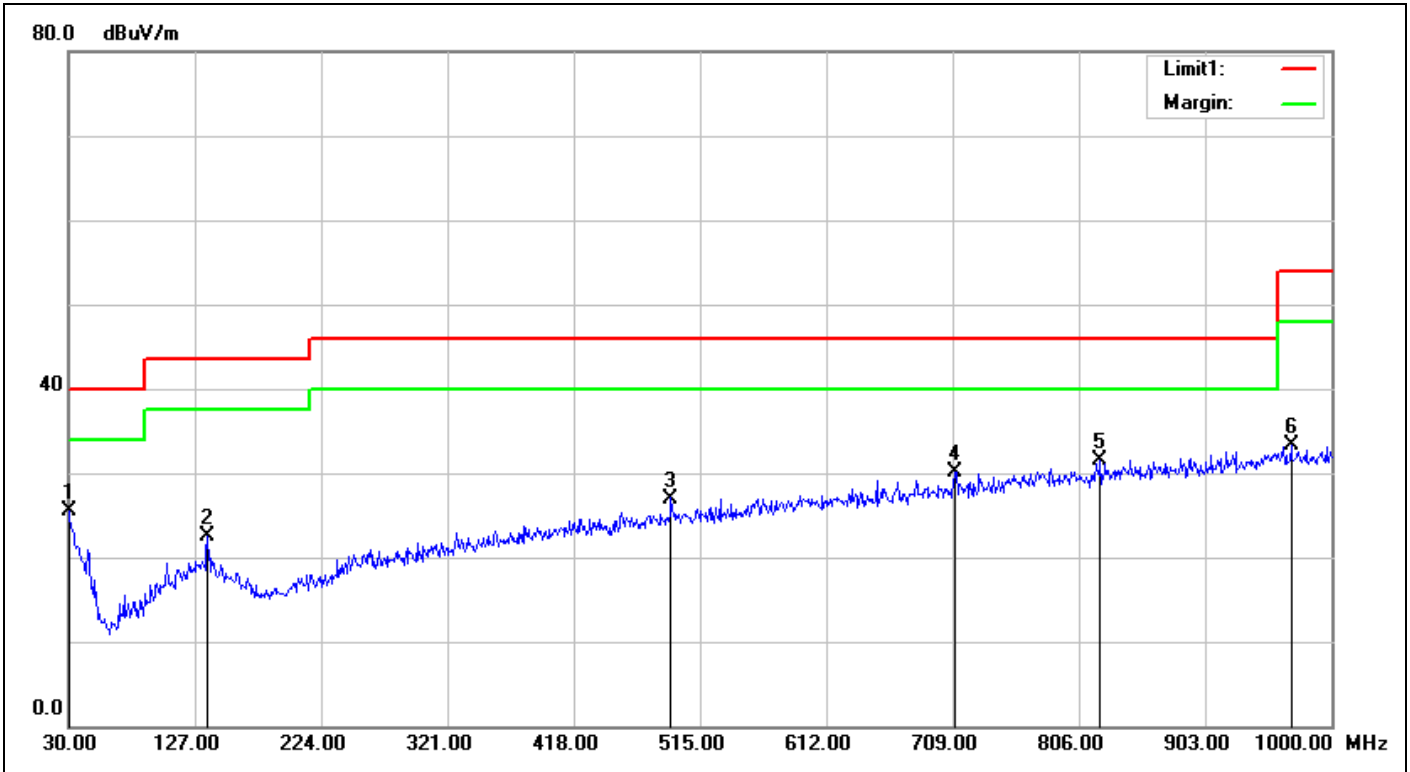
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Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:44:55
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	-0.07	25.33	25.26	40.00	-14.74	QP	100	11	
2	119.2400	-7.40	30.61	23.21	43.50	-20.29	QP	100	113	
3	178.4100	-9.53	31.36	21.83	43.50	-21.67	QP	100	242	
4	355.9200	-3.37	27.38	24.01	46.00	-21.99	QP	100	220	
5	569.3200	-0.48	28.11	27.63	46.00	-18.37	QP	100	209	
6	895.2400	4.10	28.67	32.77	46.00	-13.23	QP	100	116	

Spurious Emissions, RX Mode, 1-18G



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:45:58
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	-0.07	25.65	25.58	40.00	-14.42	QP	100	124	
2	136.7000	-6.99	29.43	22.44	43.50	-21.06	QP	100	360	
3	492.6900	-1.47	28.47	27.00	46.00	-19.00	QP	100	181	
4	710.9400	1.35	28.81	30.16	46.00	-15.84	QP	100	228	
5	822.4900	3.20	28.39	31.59	46.00	-14.41	QP	100	12	
6	968.9600	5.56	27.69	33.25	54.00	-20.75	QP	100	306	

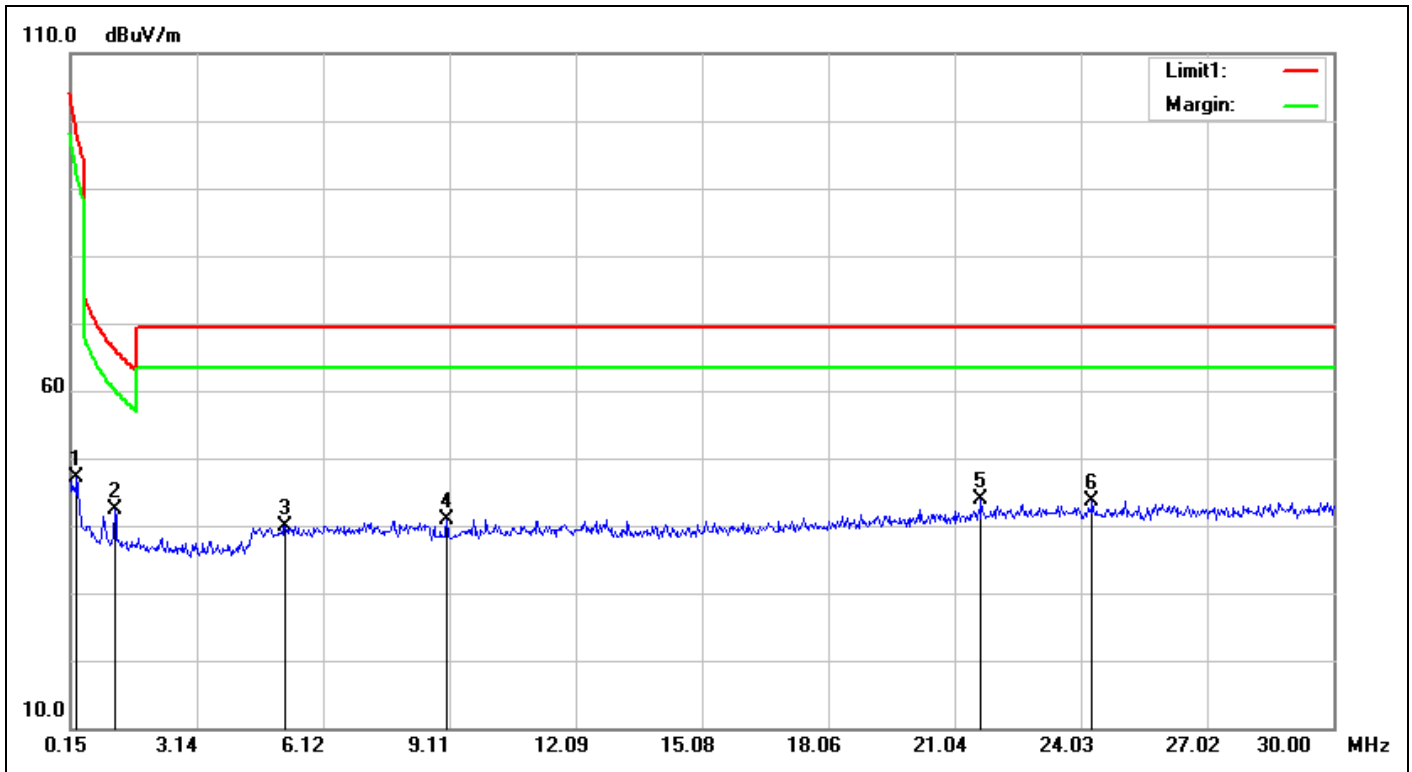
Spurious Emissions, TX Mode, 150K-30M



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Service No.:	114062005	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:57:16
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	0.2992	18.67	28.35	47.02	98.06	-51.04	QP	100	204	
2	1.1947	19.04	23.40	42.44	66.08	-23.64	QP	100	256	
3	5.2244	19.64	20.35	39.99	69.50	-29.51	QP	100	84	
4	9.0452	20.24	20.72	40.96	69.50	-28.54	QP	100	223	
5	21.6718	21.67	22.15	43.82	69.50	-25.68	QP	100	341	
6	24.2986	21.87	21.72	43.59	69.50	-25.91	QP	100	103	

Spurious Emissions, RX Mode, 1-18G

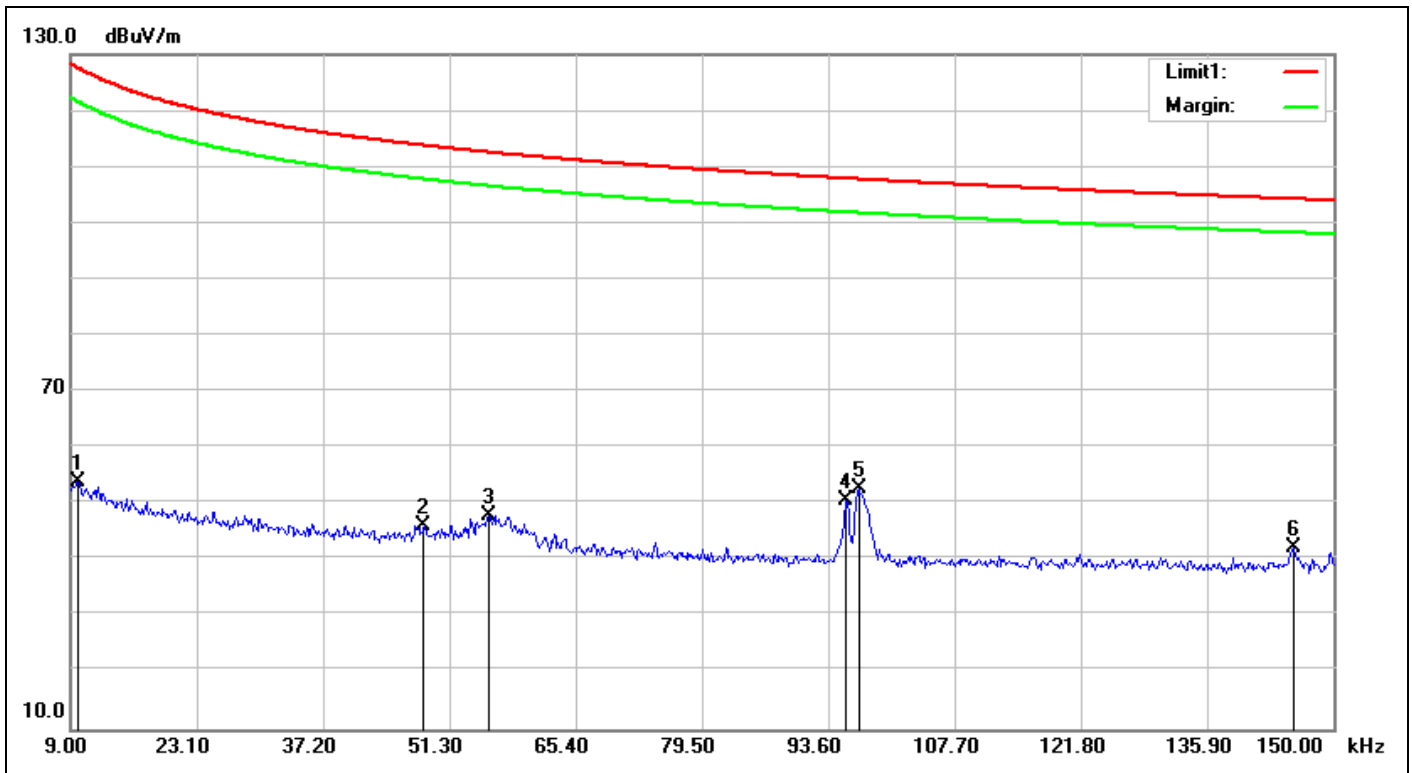
Spurious Emissions, TX Mode, 9K-150K



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Service No.:	114062005	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:53:53
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	0.0098	20.20	33.89	54.09	127.57	-73.48	QP	100	129	
2	0.0483	19.30	26.89	46.19	113.80	-67.61	QP	100	201	
3	0.0556	19.18	28.74	47.92	112.59	-64.67	QP	100	193	
4	0.0955	18.88	31.70	50.58	107.92	-57.34	QP	100	2	
5	0.0969	18.86	33.78	52.64	107.79	-55.15	QP	100	343	
6	0.1454	18.80	23.31	42.11	104.29	-62.18	QP	100	188	

Spurious Emissions, RX Mode, 1-18G

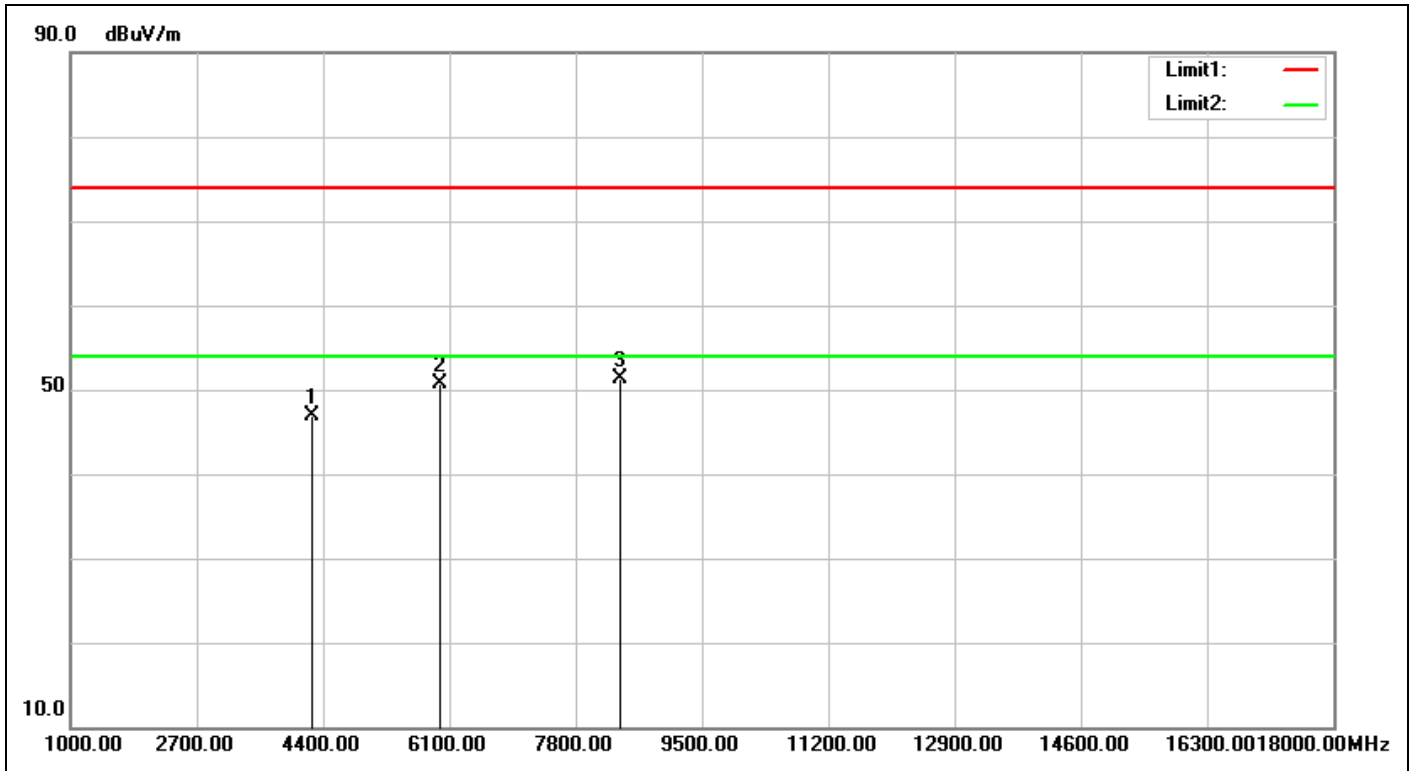
Spurious Emissions, RX Mode, 1-18G



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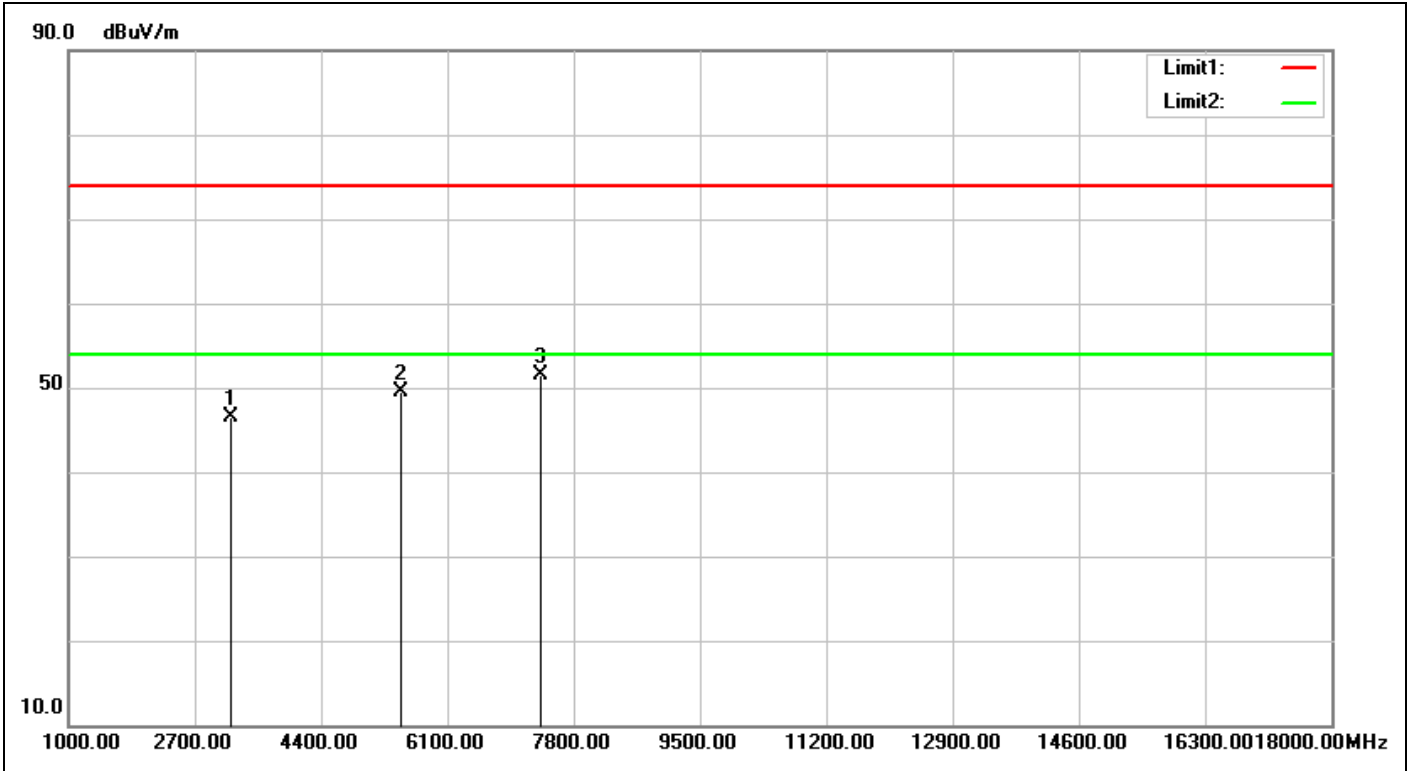
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Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:21:44
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	4247.000	-4.40	51.31	46.91	74.00	-27.09	peak	100	70	
2	5964.000	3.75	46.90	50.65	74.00	-23.35	peak	100	349	
3	8395.000	6.54	44.72	51.26	74.00	-22.74	peak	100	268	



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:22:46
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	3176.000	-6.18	52.77	46.59	74.00	-27.41	peak	100	22	
2	5471.000	0.28	49.23	49.51	74.00	-24.49	peak	100	187	
3	7358.000	6.08	45.34	51.42	74.00	-22.58	peak	100	282	

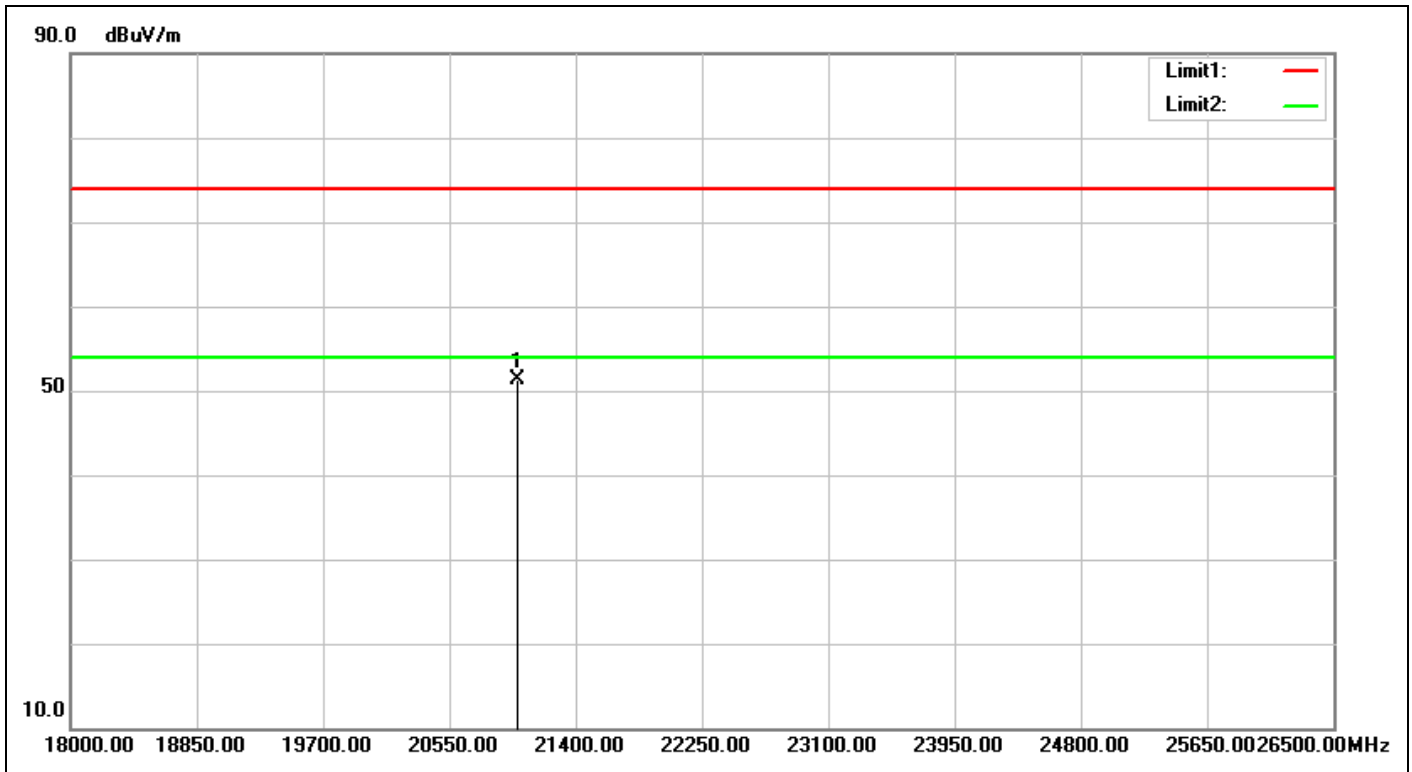
Spurious Emissions, RX Mode, 18-26G



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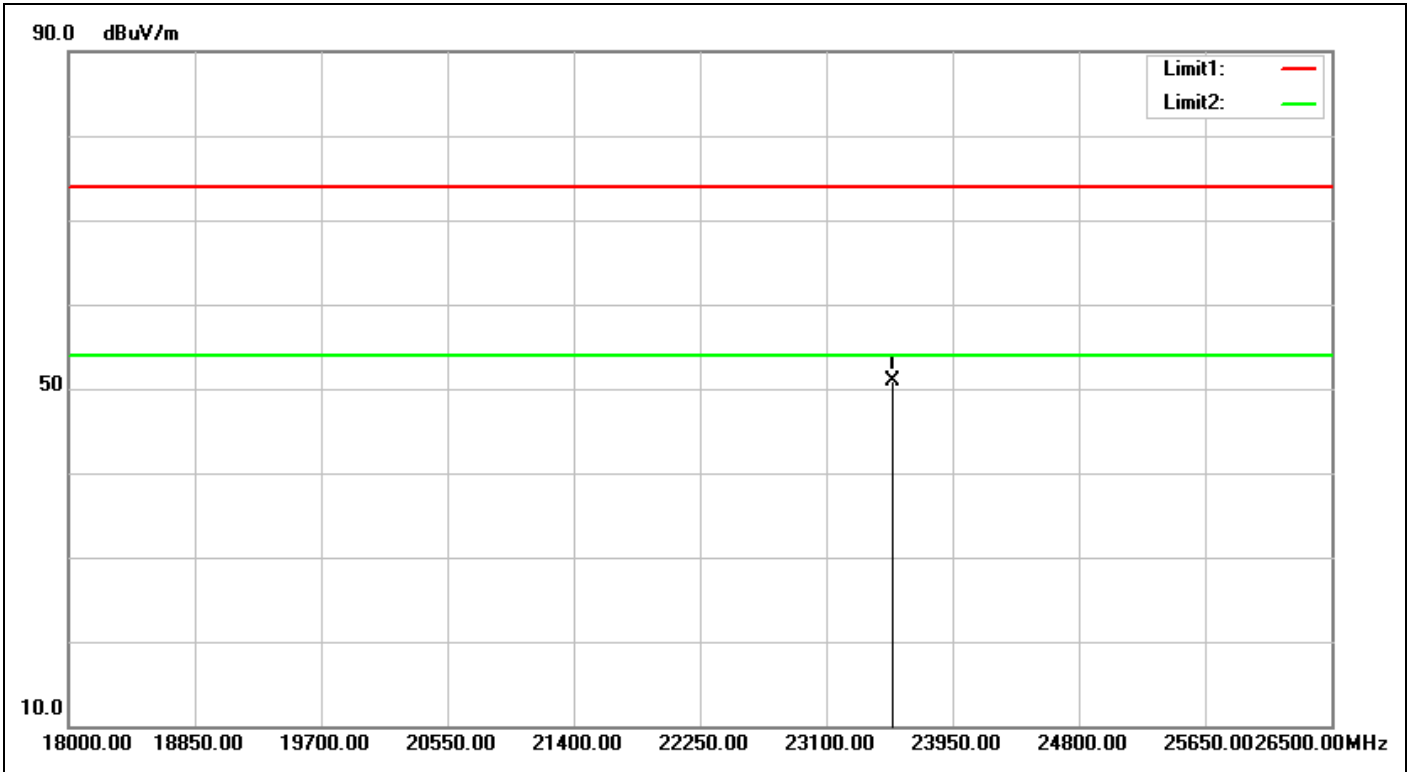
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:30:17
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	21009.000	31.94	19.27	51.21	74.00	-22.79	peak			



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:30:27
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	23542.000	32.75	18.22	50.97	74.00	-23.03	peak			

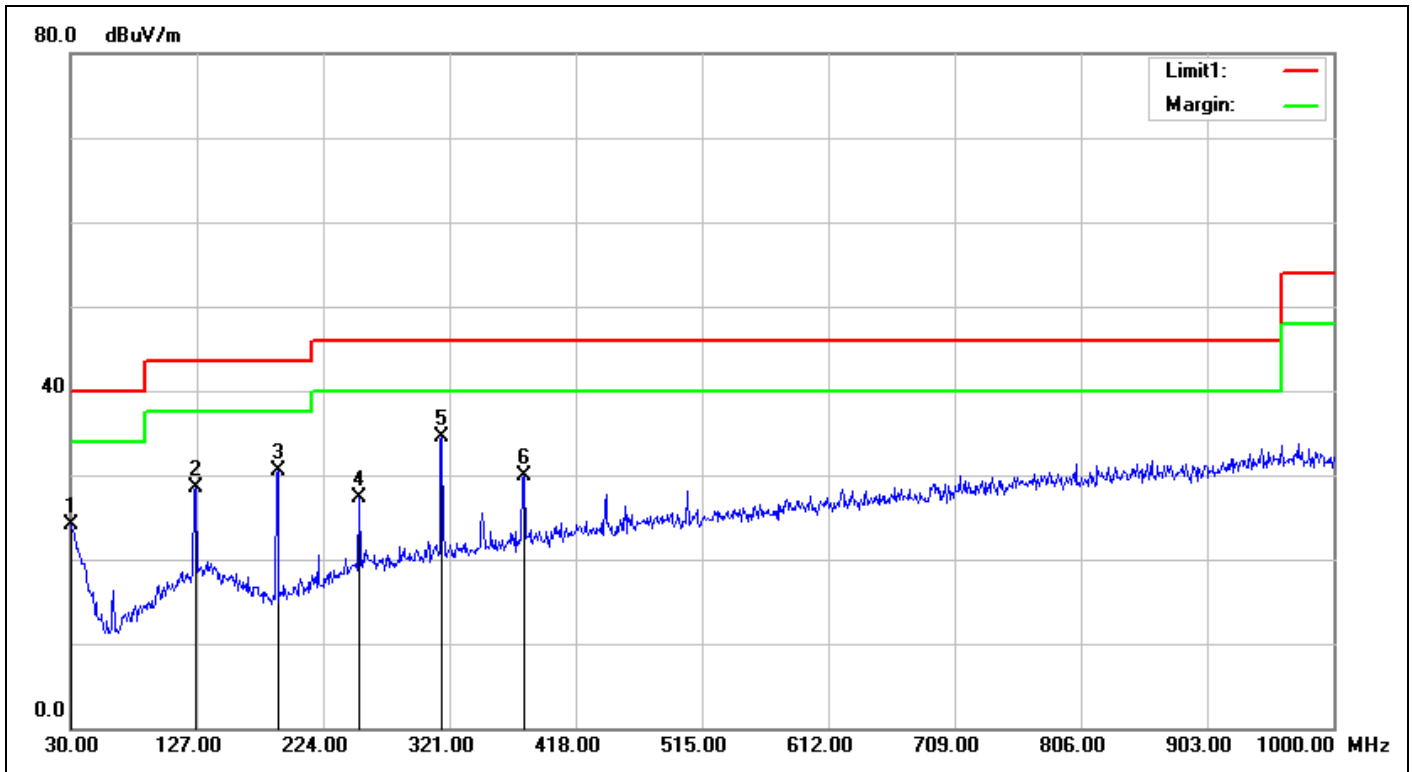
Spurious Emissions, RX Mode, 30M-1G



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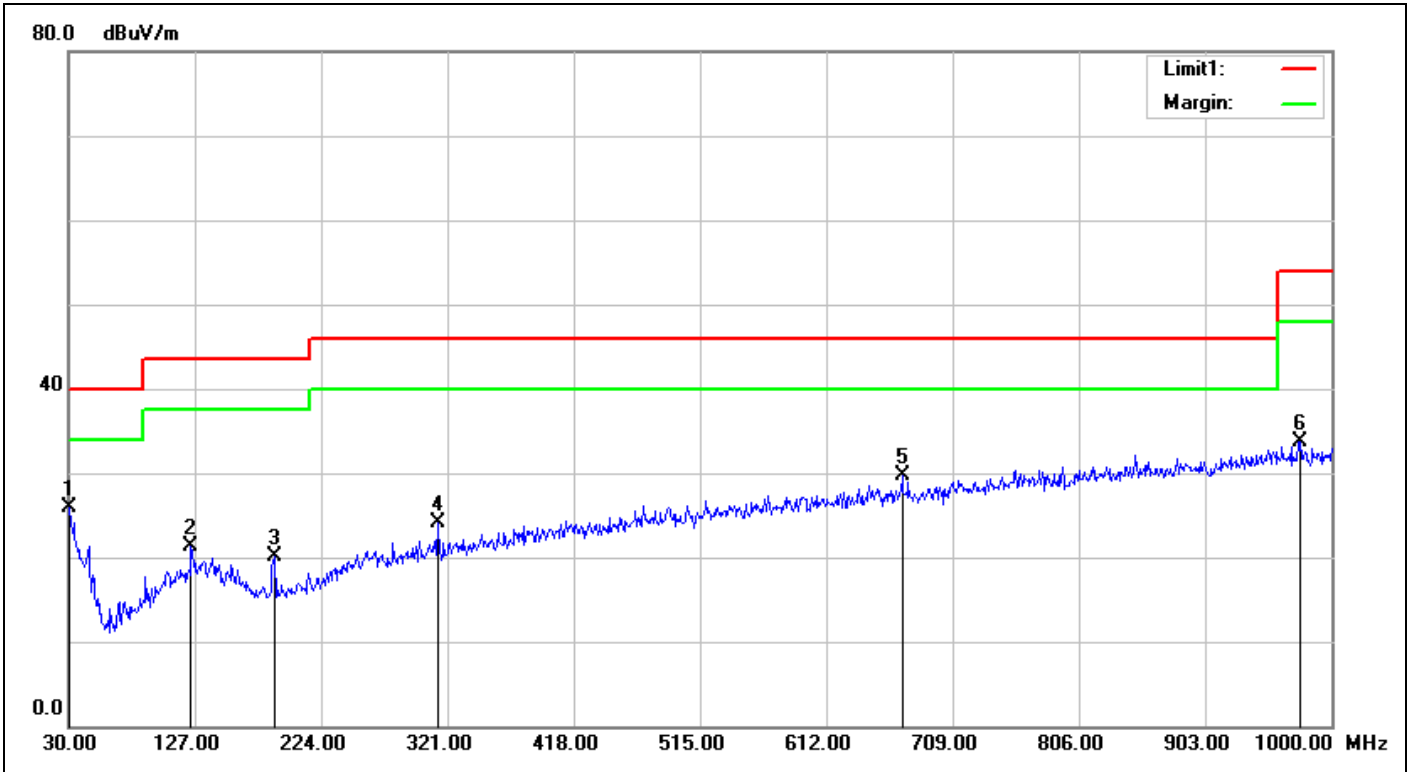
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Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/25 14:40:57
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	30.9700	-0.62	24.77	24.15	40.00	-15.85	QP	100	22	
2	126.0300	-7.11	35.55	28.44	43.50	-15.06	QP	100	131	
3	189.0800	-9.58	40.10	30.52	43.50	-12.98	QP	100	225	
4	251.1600	-5.64	33.01	27.37	46.00	-18.63	QP	100	358	
5	315.1800	-4.16	38.69	34.53	46.00	-11.47	QP	100	60	
6	378.2300	-3.00	32.83	29.83	46.00	-16.17	QP	100	254	



Service No.:	114062005	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/25 14:42:00
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	-0.07	25.90	25.83	40.00	-14.17	QP	100	193	
2	124.0900	-7.18	28.54	21.36	43.50	-22.14	QP	100	11	
3	188.1100	-9.58	29.59	20.01	43.50	-23.49	QP	100	351	
4	313.2400	-4.21	28.24	24.03	46.00	-21.97	QP	100	314	
5	670.2000	0.76	29.03	29.79	46.00	-16.21	QP	100	314	
6	975.7500	5.62	28.16	33.78	54.00	-20.22	QP	100	107	

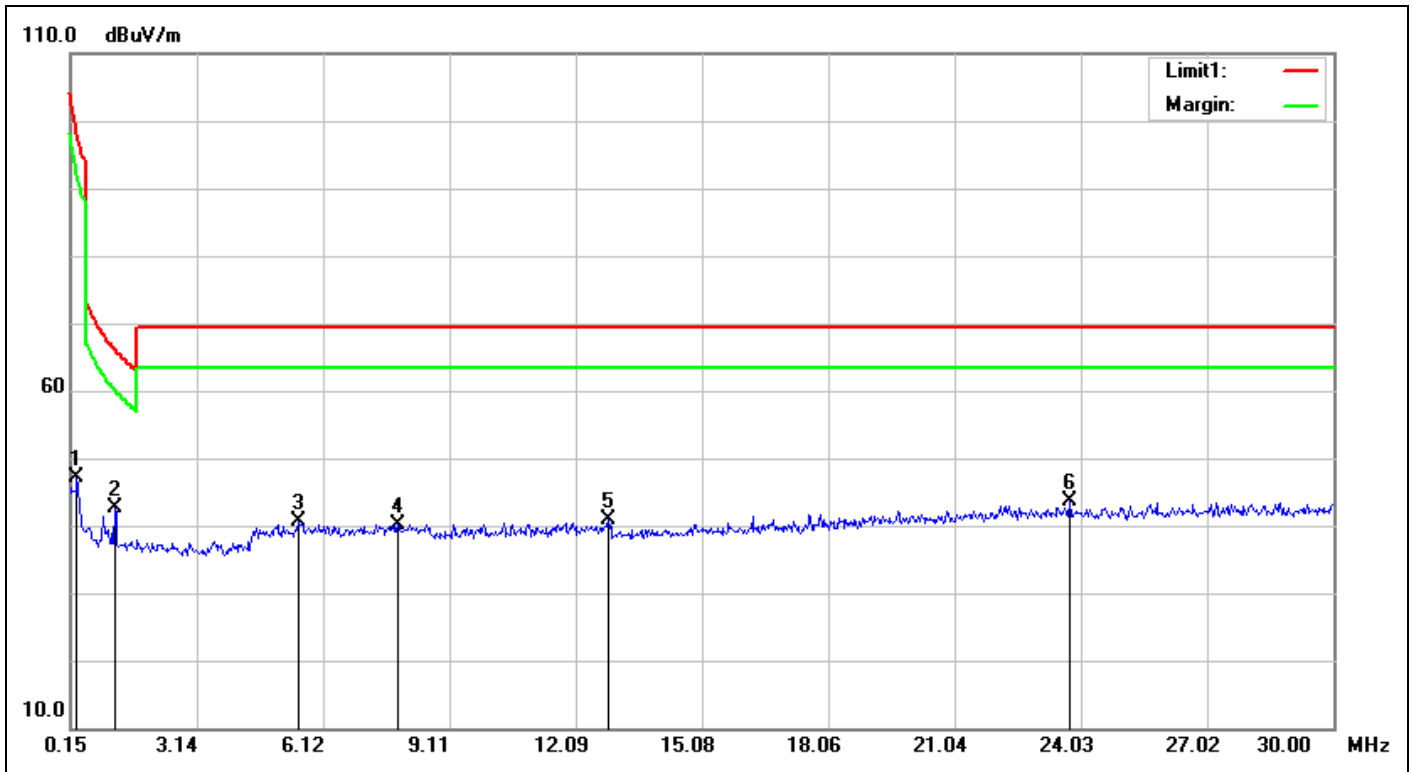
Spurious Emissions, RX Mode, 150K-30M



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Service No.:	114062005	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:58:19
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	0.2992	18.67	28.57	47.24	98.06	-50.82	QP	100	218	
2	1.1947	19.04	23.58	42.62	66.08	-23.46	QP	100	271	
3	5.5229	19.68	20.85	40.53	69.50	-28.97	QP	100	249	
4	7.8811	20.05	20.18	40.23	69.50	-29.27	QP	100	0	
5	12.8660	20.73	20.03	40.76	69.50	-28.74	QP	100	49	
6	23.7612	21.83	21.70	43.53	69.50	-25.97	QP	100	239	

Spurious Emissions, RX Mode, 30M-1G

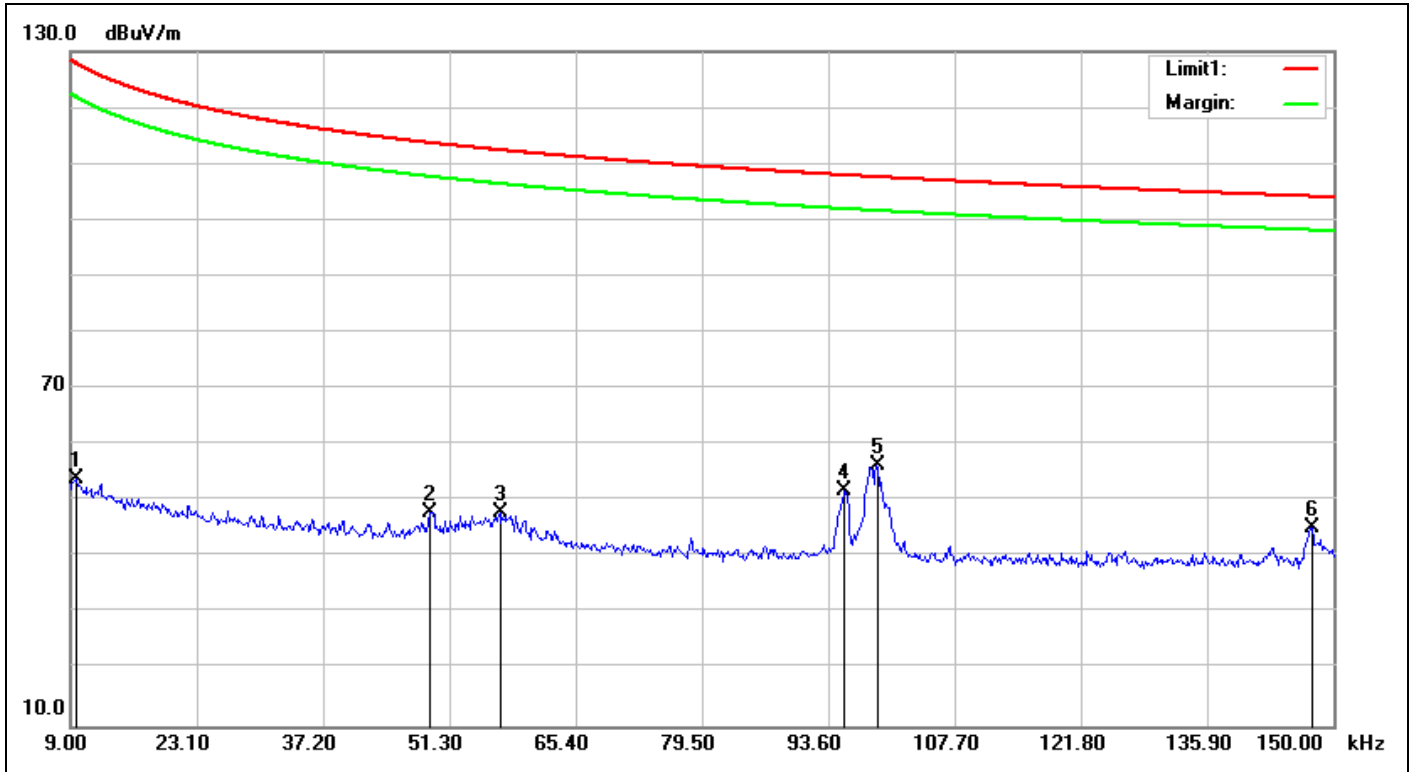
Spurious Emissions, RX Mode, 9K-30M



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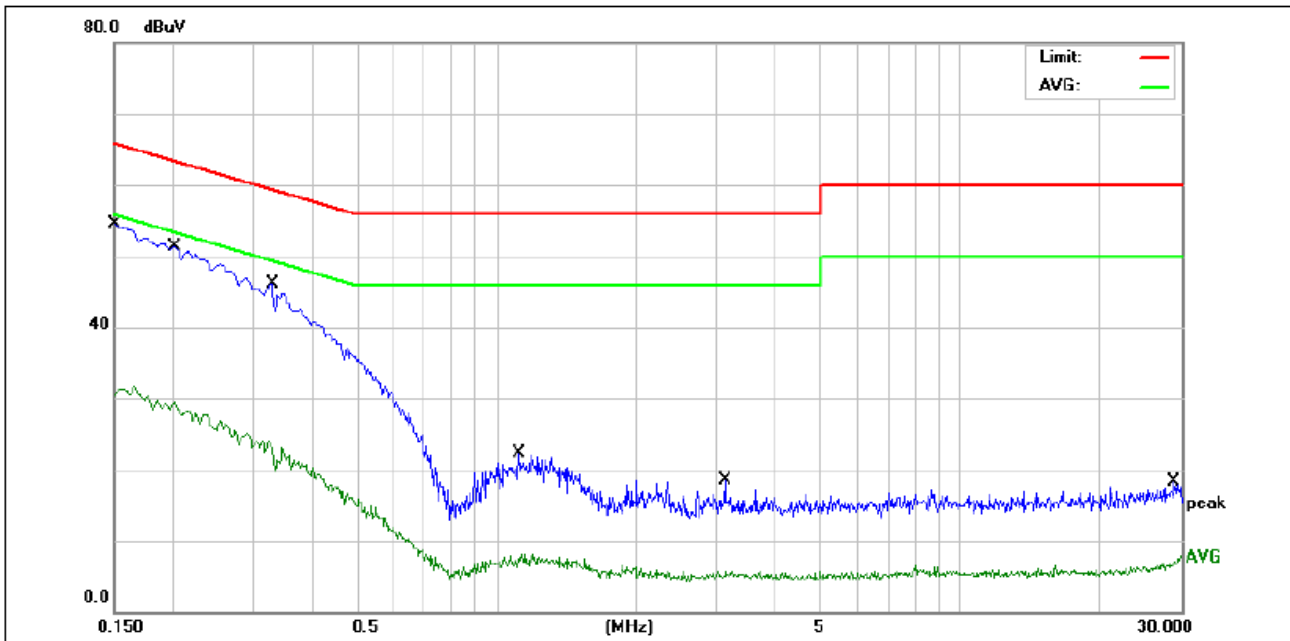


Service No.:	114062005	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:54:56
Applicant:	Elgato Systems	Test Rating:	DC 3V
Product:	Eve Light Switch	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	20EAH4101	Test Engineer:	George Yang
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	0.0096	20.04	33.90	53.94	127.84	-73.90	QP	100	346	
2	0.0492	19.26	28.82	48.08	113.70	-65.62	QP	100	1	
3	0.0569	19.16	28.72	47.88	112.44	-64.56	QP	100	196	
4	0.0954	18.88	32.94	51.82	107.96	-56.14	QP	100	116	
5	0.0990	18.85	37.39	56.24	107.64	-51.40	QP	100	193	
6	0.1476	18.80	26.46	45.26	104.19	-58.93	QP	100	28	

Spurious Emissions, RX Mode, 30M-1G

Mains Spurious Emissions

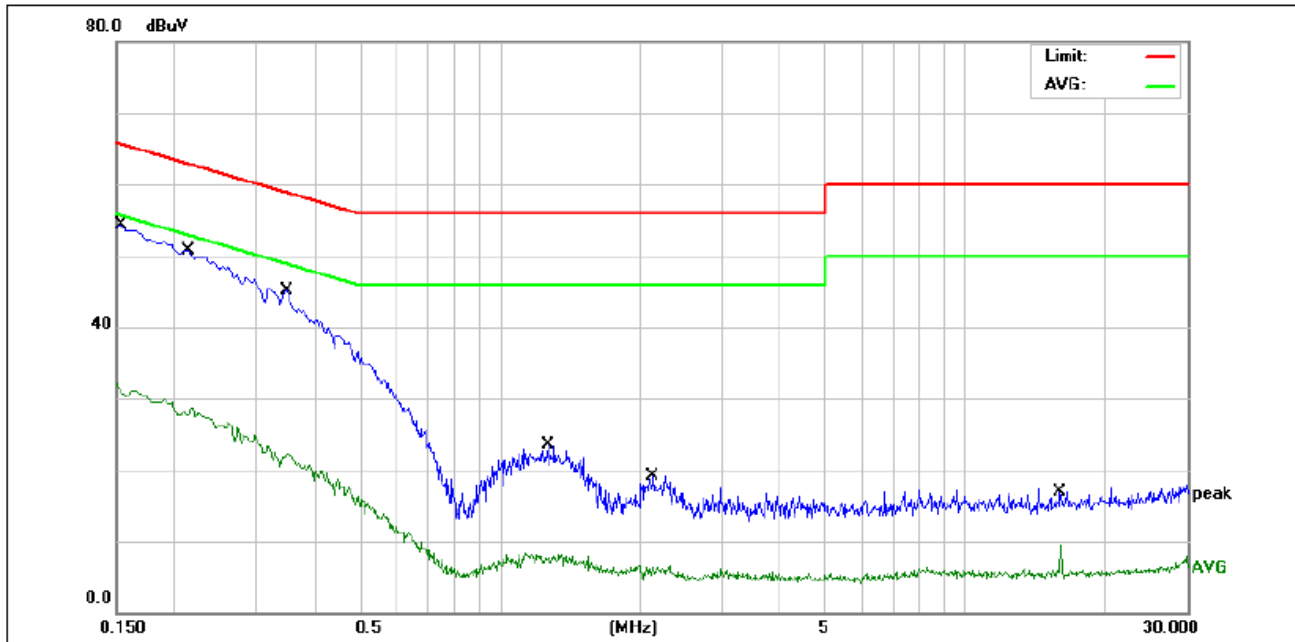


Service No.: 114062005(20EAH4101)
 Test Standard: FCC Class B Conduction(QP)
 Test item: Conducted Emission
 Applicant: Elgato Systems
 Product: Eve Light Switch
 Model No.: 20EAH4101

Phase: N
 Temp.(°C)/Hum.(%): 21.7(°C) / 48 %
 Power Rating: AC 120V/60Hz
 Test Engineer: George Yang

Test Mode: Mains
 Remark:

No.	Frequency (MHz)	Factor ()	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	9.73	41.69	51.42	65.99	-14.57	QP	P	
2	0.1500	9.73	17.83	27.56	55.99	-28.43	AVG	P	
3	0.2020	9.69	38.64	48.33	63.52	-15.19	QP	P	
4	0.2020	9.69	15.04	24.73	53.52	-28.79	AVG	P	
5	0.3300	9.68	32.84	42.52	59.45	-16.93	QP	P	
6	0.3300	9.68	10.10	19.78	49.45	-29.67	AVG	P	
7	1.1220	9.70	5.15	14.85	56.00	-41.15	QP	P	
8	1.1220	9.70	-3.45	6.25	46.00	-39.75	AVG	P	
9	3.1180	9.72	-0.37	9.35	56.00	-46.65	QP	P	
10	3.1180	9.72	-5.14	4.58	46.00	-41.42	AVG	P	
11	28.9340	10.07	0.53	10.60	60.00	-49.40	QP	P	
12	28.9340	10.07	-4.34	5.73	50.00	-44.27	AVG	P	



Service No.: 114062005(20EAH4101)

Test Standard: FCC Class B Conduction(QP)

Test item: Conducted Emission

Phase: L1

Applicant: Elgato Systems

Temp.(°C)/Hum.(%): 21.7(°C) / 48 %

Product: Eve Light Switch

Power Rating: AC 120V/60Hz

Model No.: 20EAH4101

Test Engineer: George Yang

Test Mode: Mains

Remark:

No.	Frequency (MHz)	Factor ()	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1539	9.78	41.56	51.34	65.78	-14.44	QP	P	
2	0.1539	9.78	17.48	27.26	55.78	-28.52	AVG	P	
3	0.2140	9.76	37.65	47.41	63.04	-15.63	QP	P	
4	0.2140	9.76	14.25	24.01	53.04	-29.03	AVG	P	
5	0.3500	9.75	31.17	40.92	58.96	-18.04	QP	P	
6	0.3500	9.75	8.63	18.38	48.96	-30.58	AVG	P	
7	1.2700	9.76	6.90	16.66	56.00	-39.34	QP	P	
8	1.2700	9.76	-3.11	6.65	46.00	-39.35	AVG	P	
9	2.1380	9.77	2.22	11.99	56.00	-44.01	QP	P	
10	2.1380	9.77	-4.94	4.83	46.00	-41.17	AVG	P	
11	16.0900	9.95	-0.10	9.85	60.00	-50.15	QP	P	
12	16.0900	9.95	-4.28	5.67	50.00	-44.33	AVG	P	