

Test Report No.50199559 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50199559 001 Appendix D)

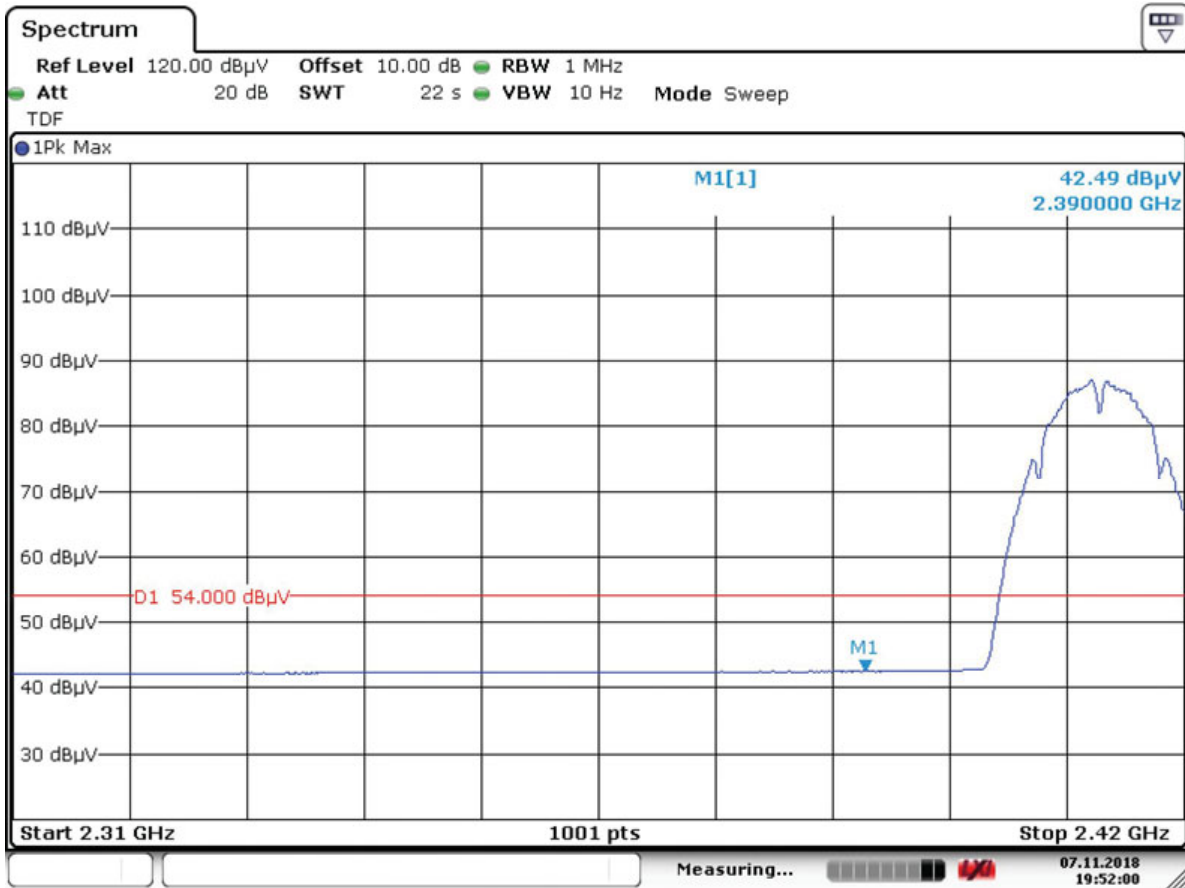
Contents

Spurious Emissions, Band Edges, 2.35-2.5G	2
Spurious Emissions, TX Mode, 1-18G.....	26
Spurious Emissions, TX Mode, 18-26G.....	44
Spurious Emissions, TX Mode, 30M-1G	62
Spurious Emissions, TX Mode, 9K-30M	64
Spurious Emissions, AC Mains	66

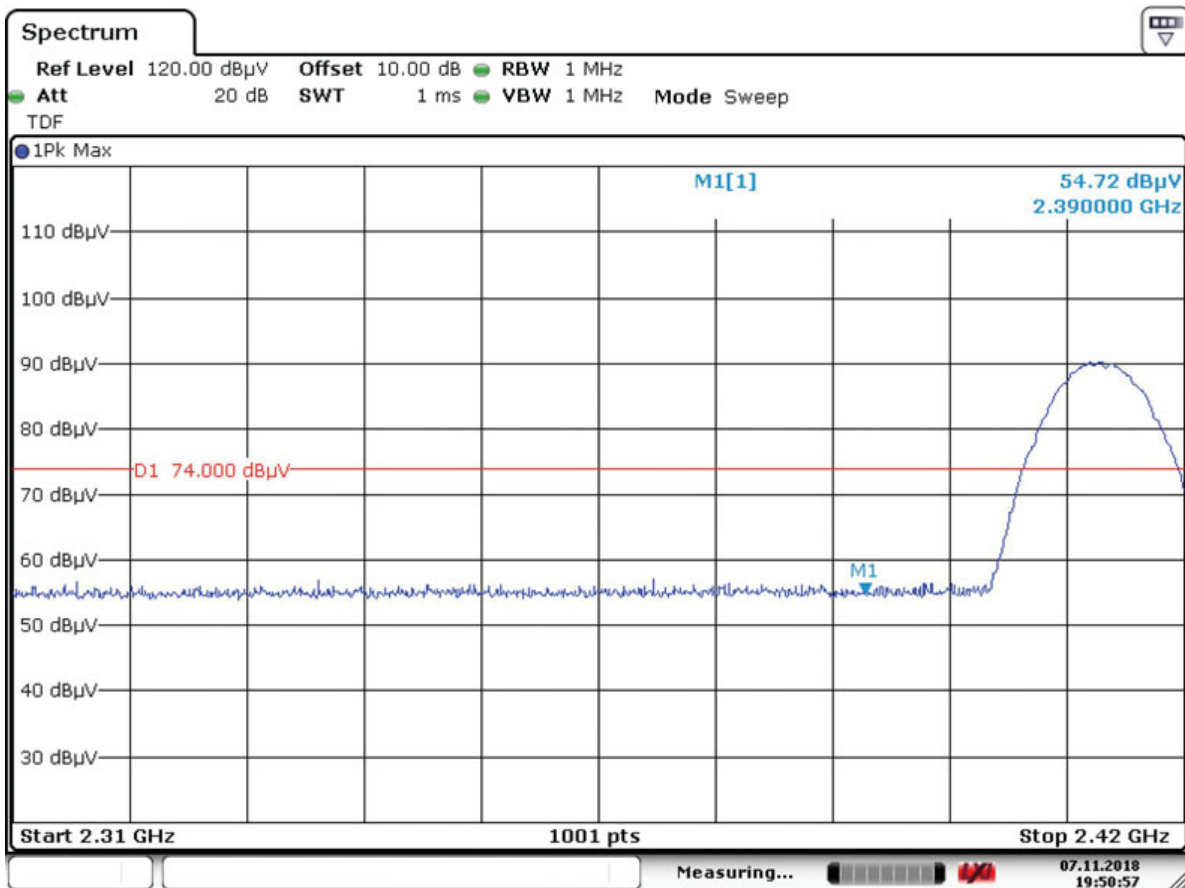
Spurious Emissions, Band Edges, 2.35-2.5G

802.11B

Low Channel (Horizontal)

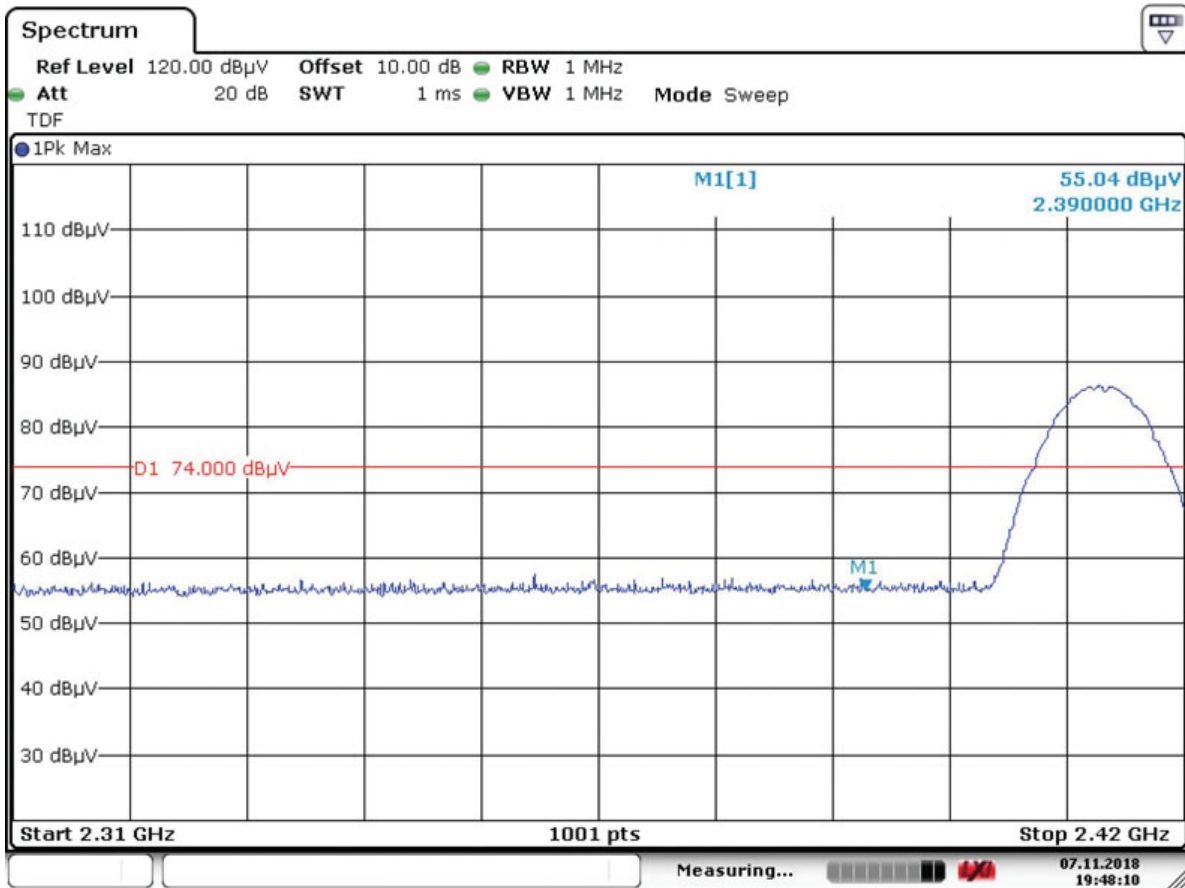


Date: 7.NOV.2018 19:51:59

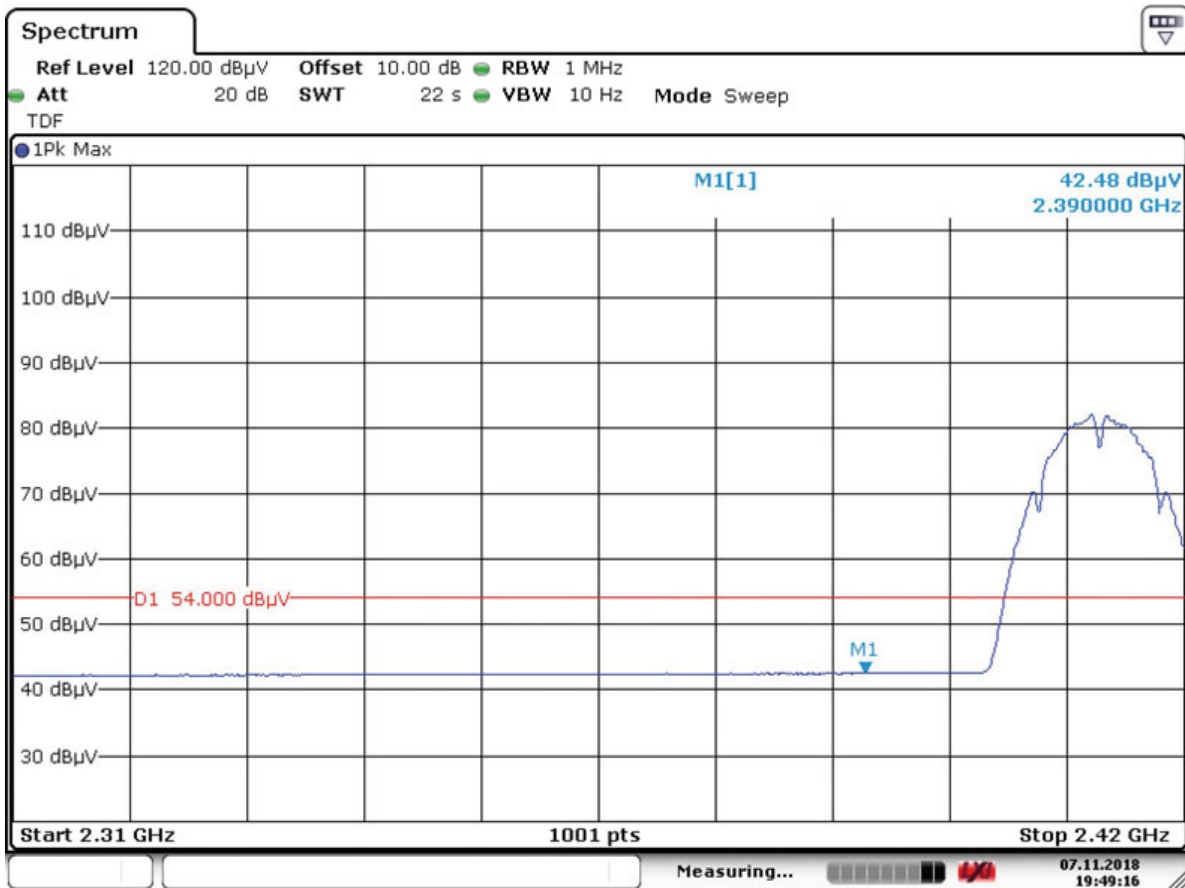


Date: 7.NOV.2018 19:50:57

Low Channel (Vertical)

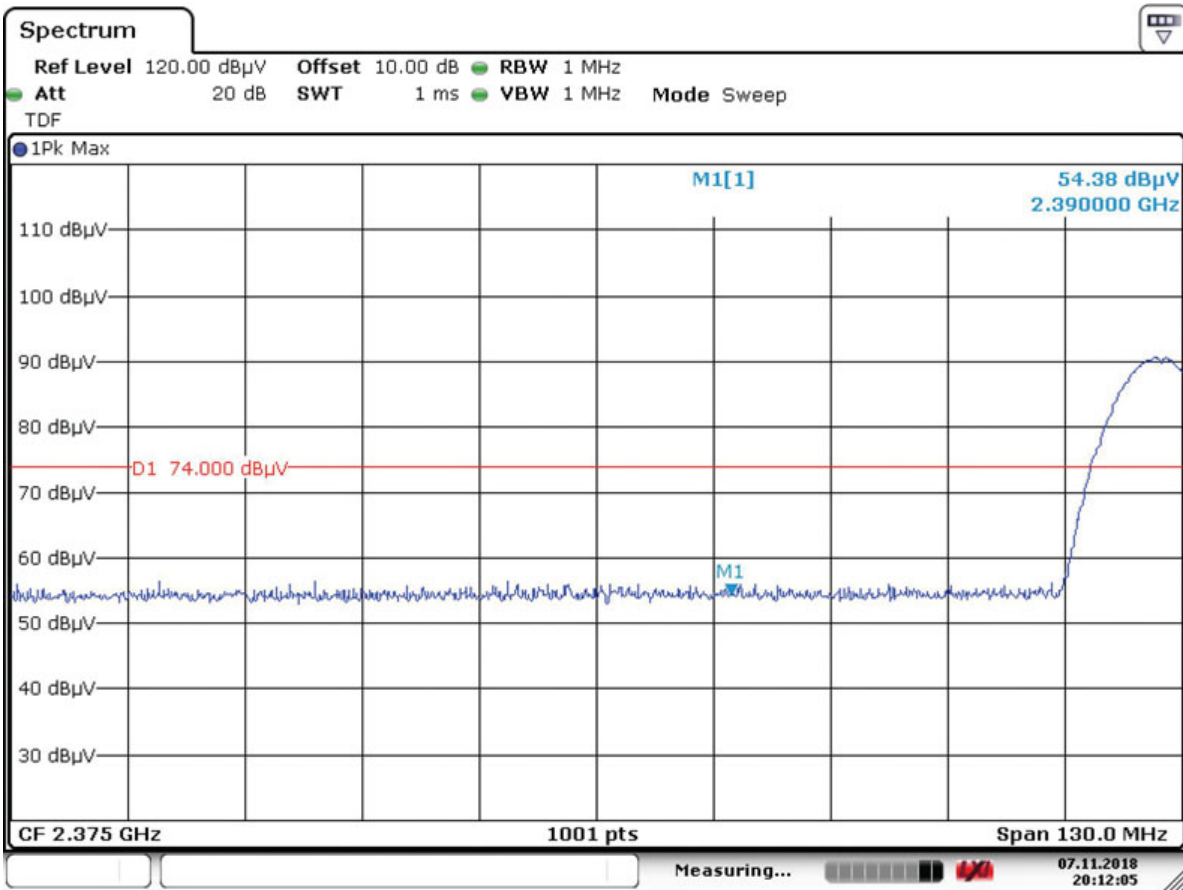


Date: 7.NOV.2018 19:48:10

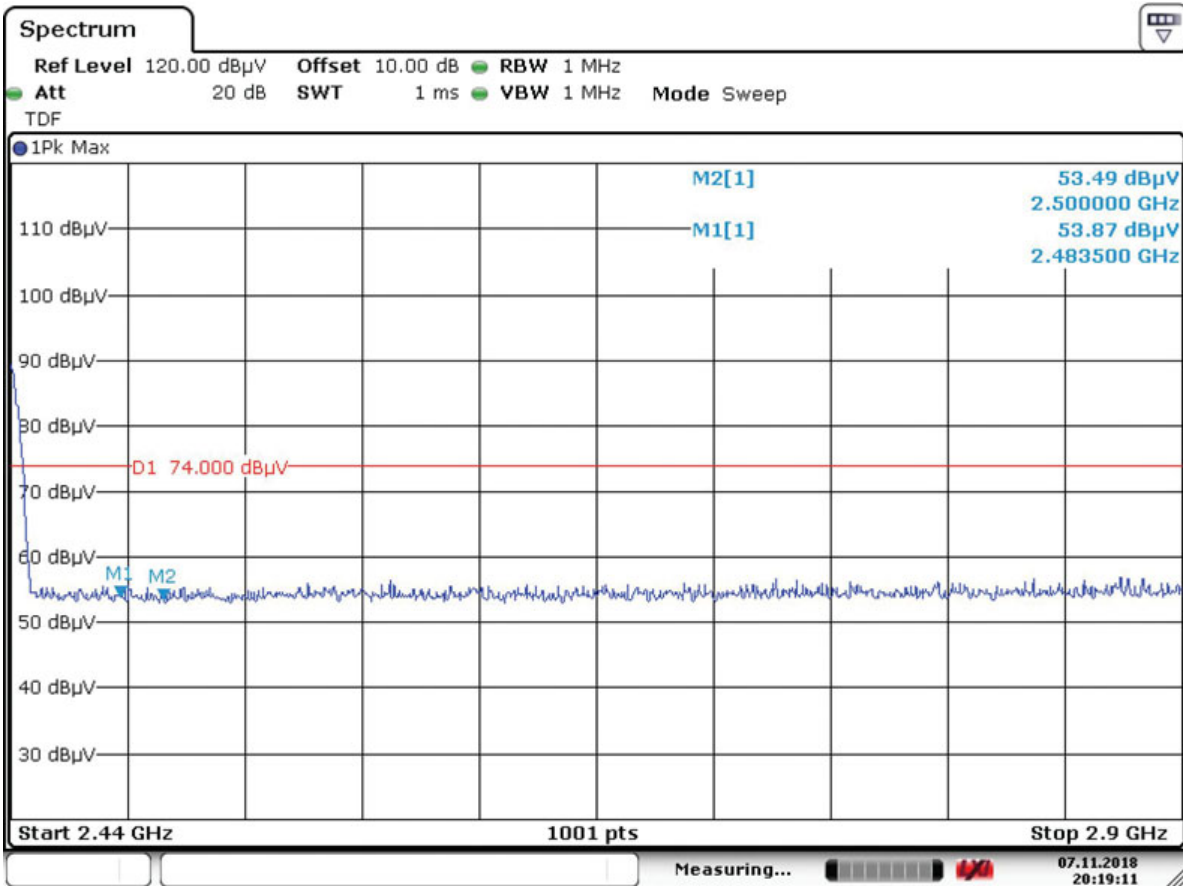


Date: 7.NOV.2018 19:49:16

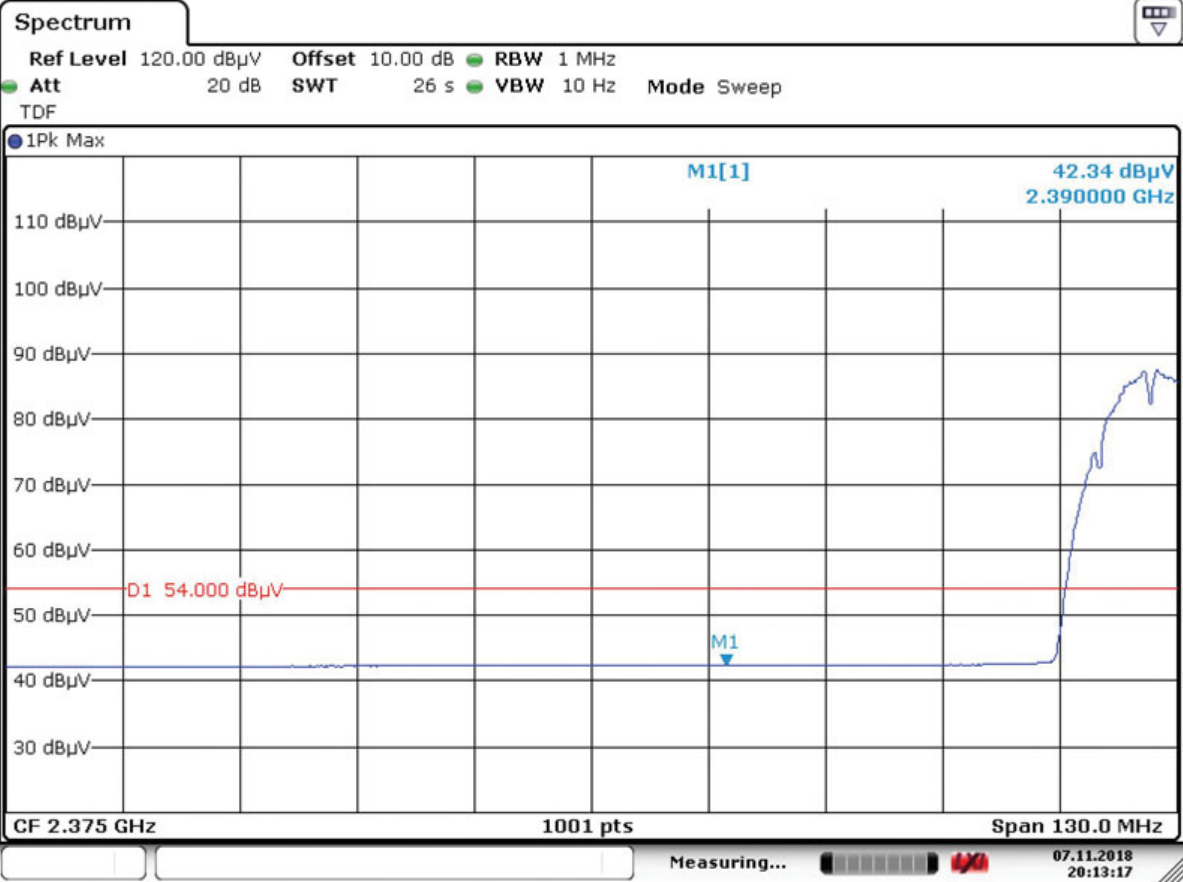
Middle Channel (Horizontal)



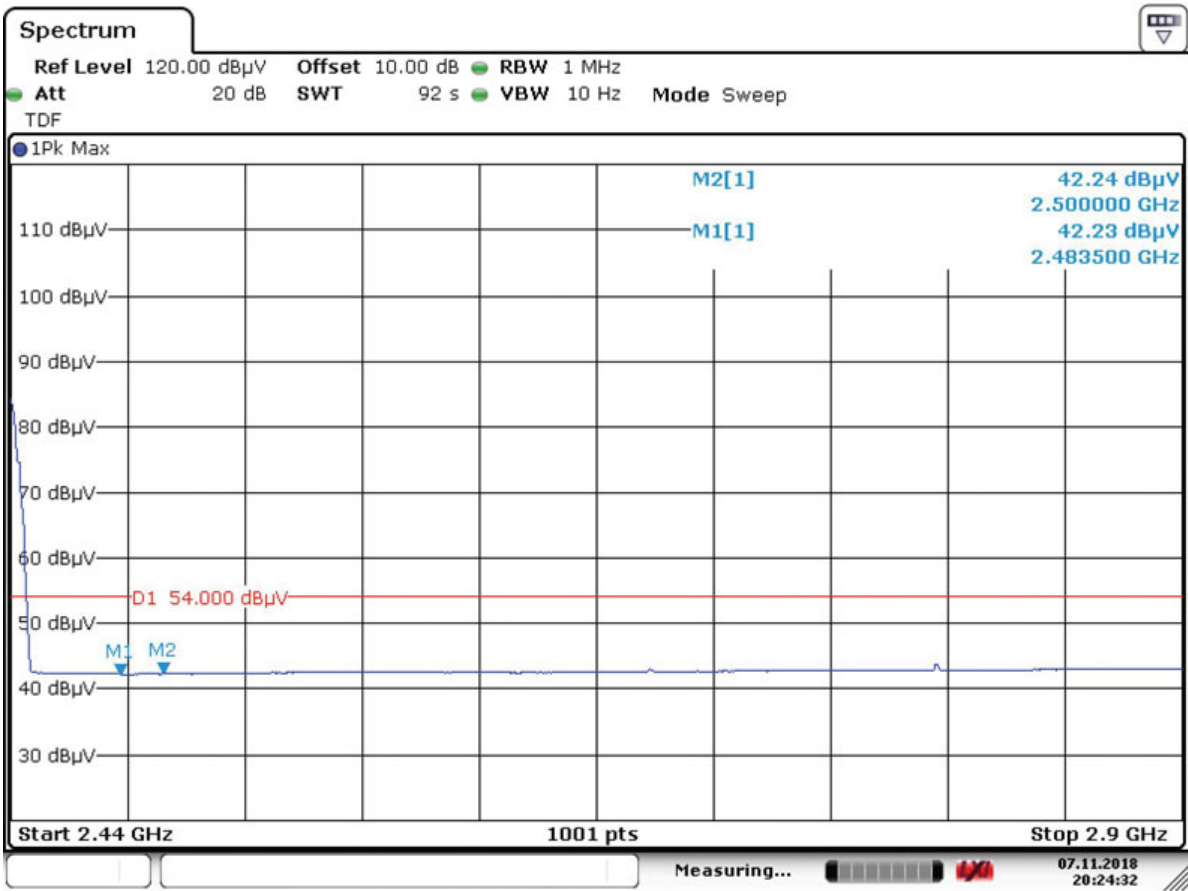
Date: 7.NOV.2018 20:12:05



Date: 7.NOV.2018 20:19:10

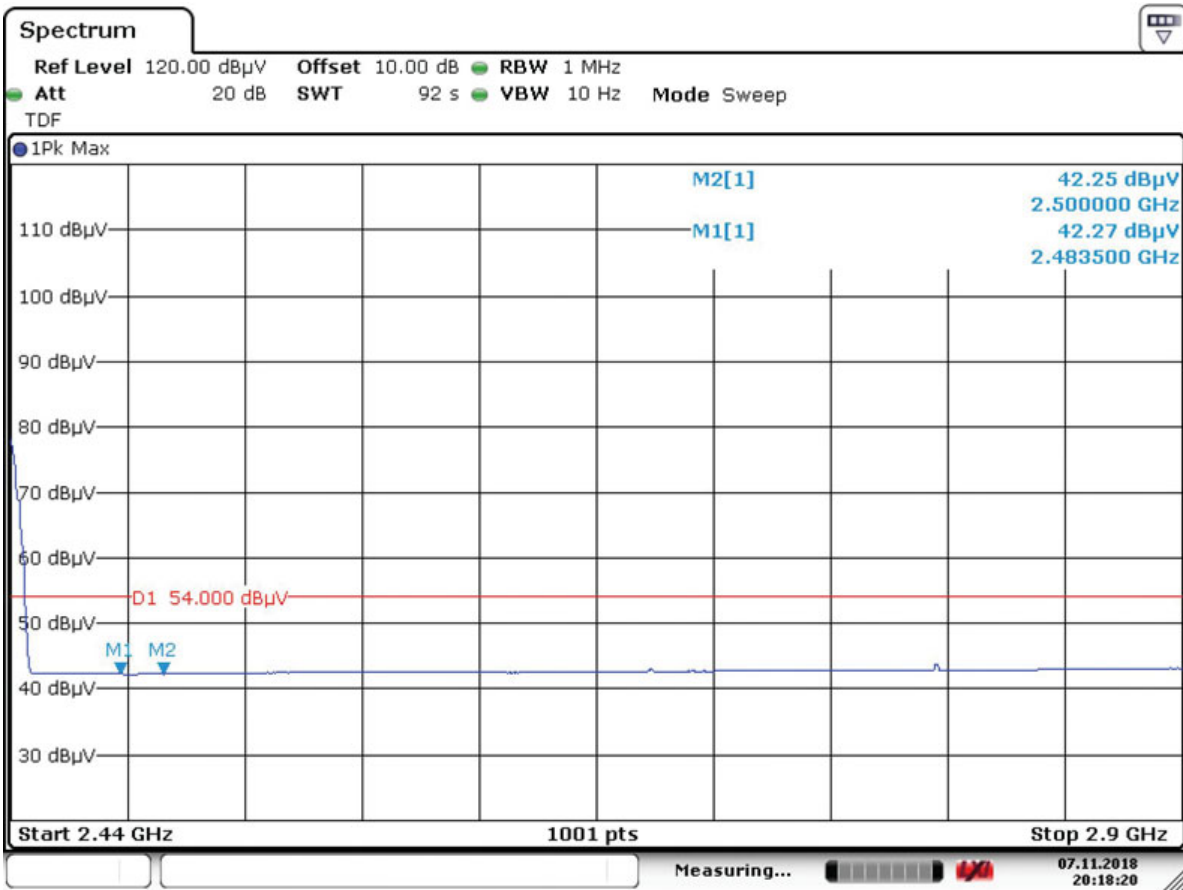


Date: 7.NOV.2018 20:13:16

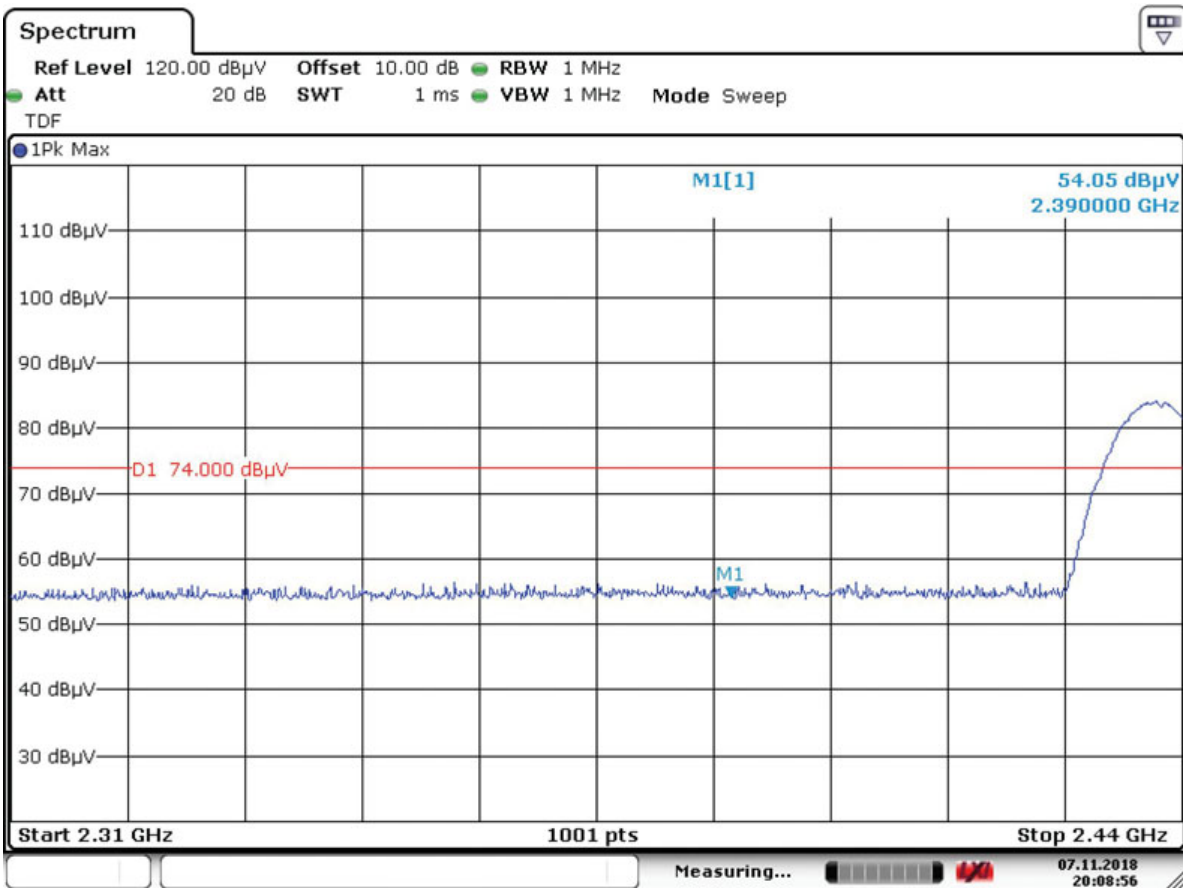


Date: 7.NOV.2018 20:24:32

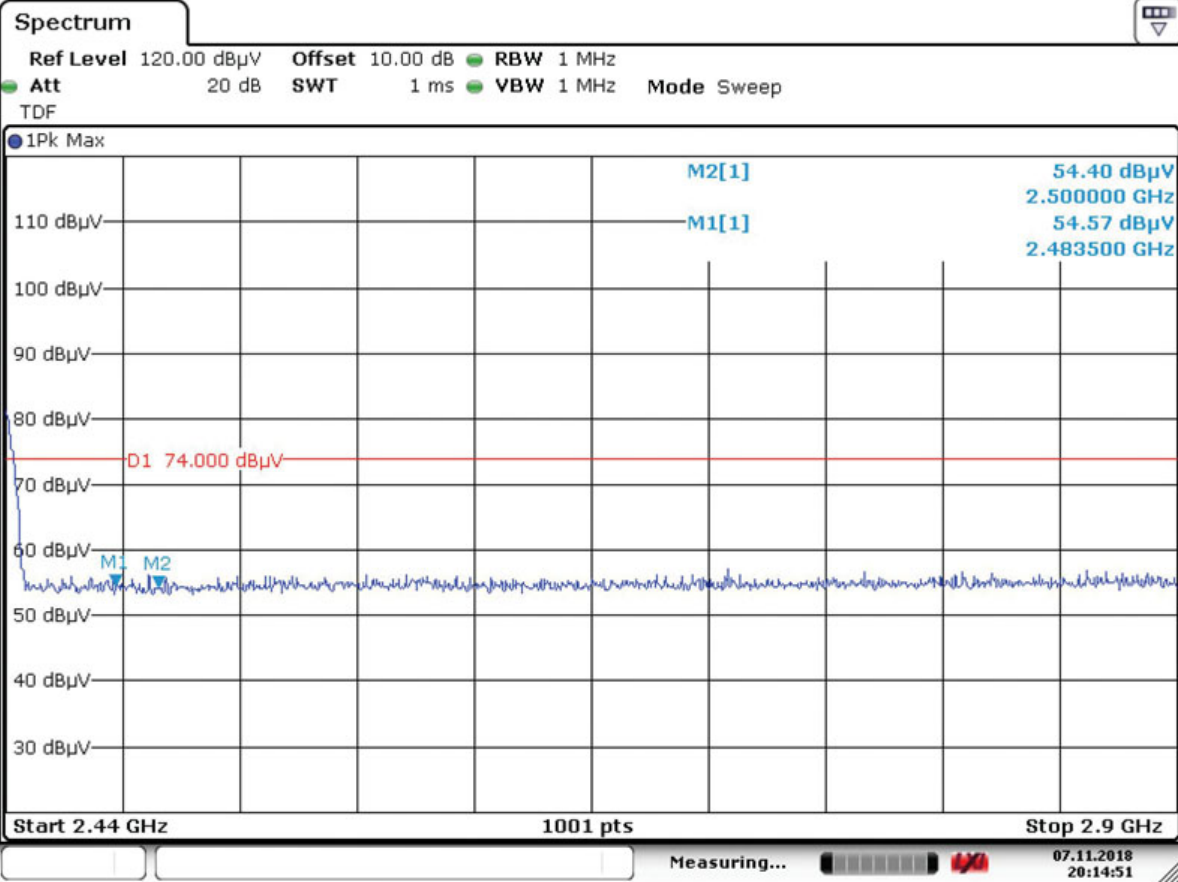
Middle Channel (Vertical)



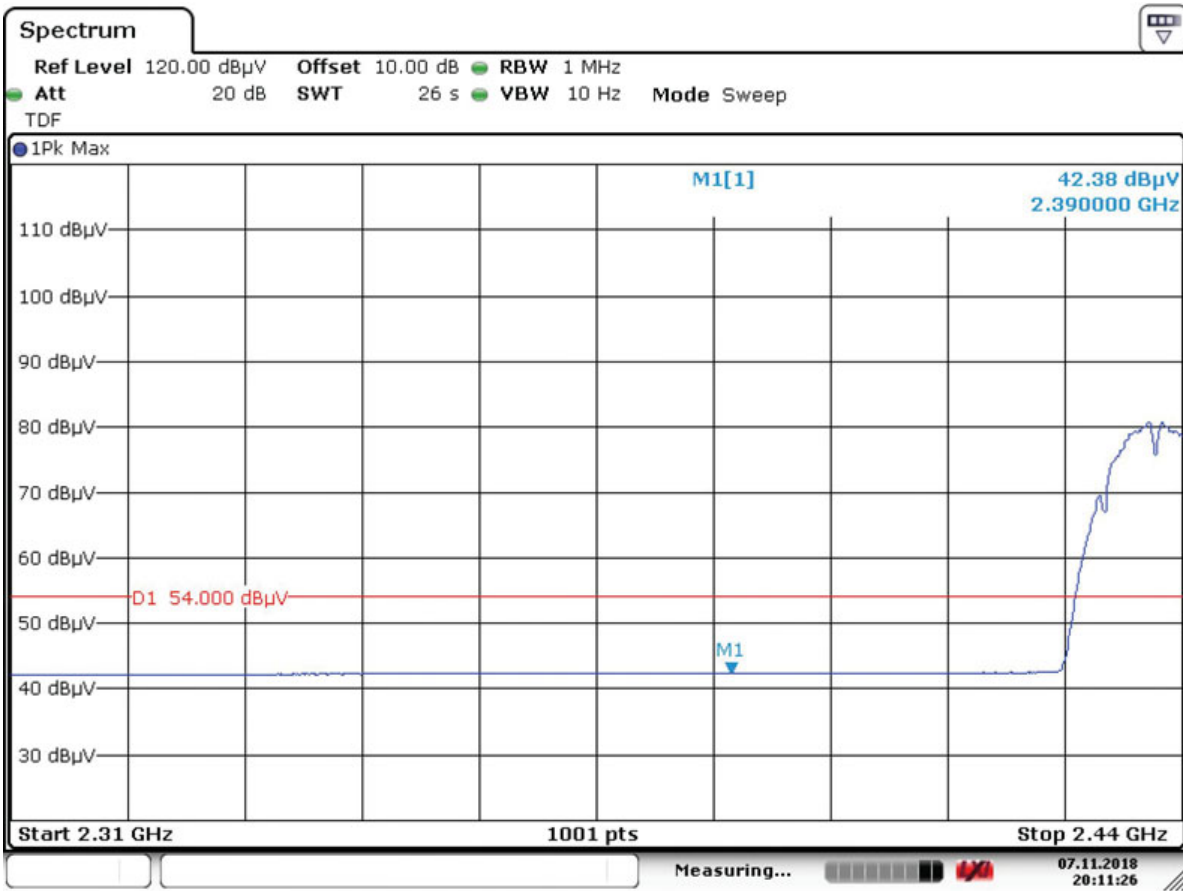
Date: 7.NOV.2018 20:18:20



Date: 7.NOV.2018 20:08:56

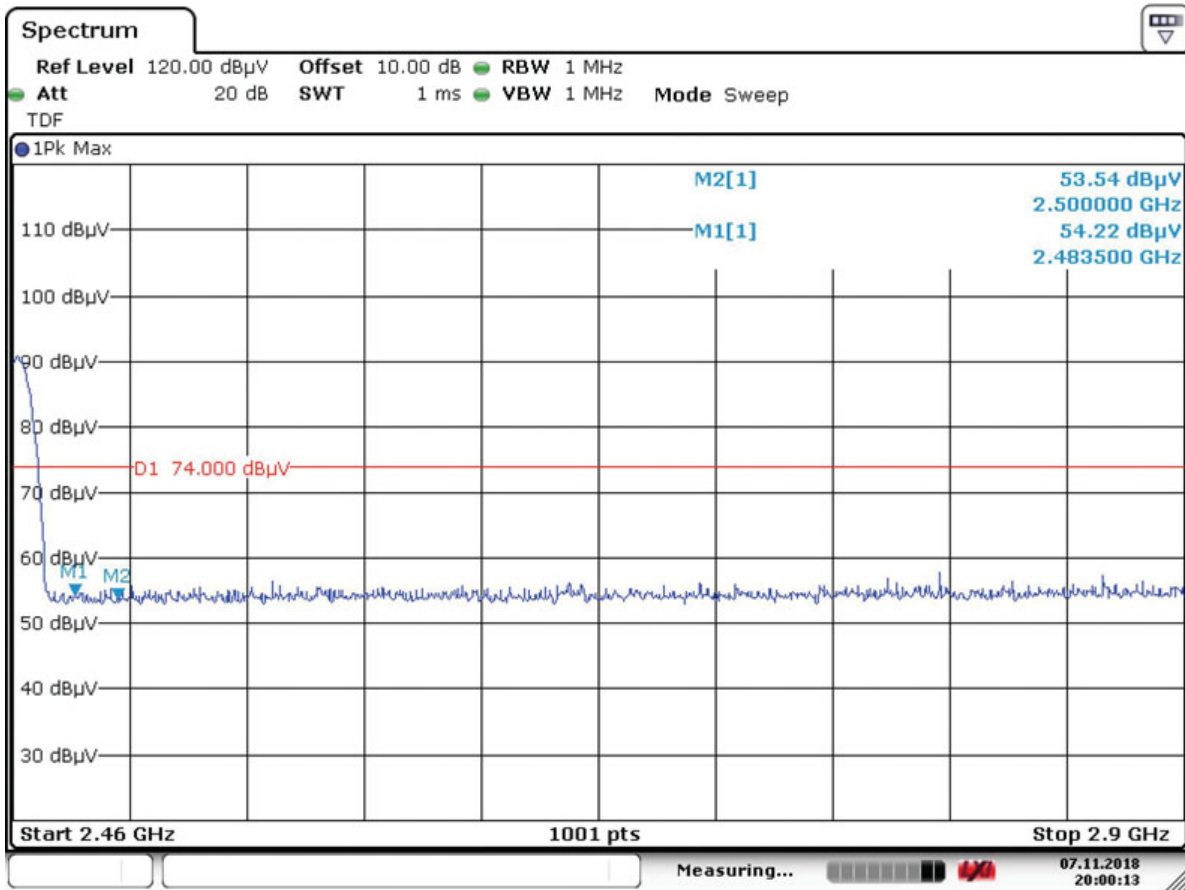


Date: 7.NOV.2018 20:14:50

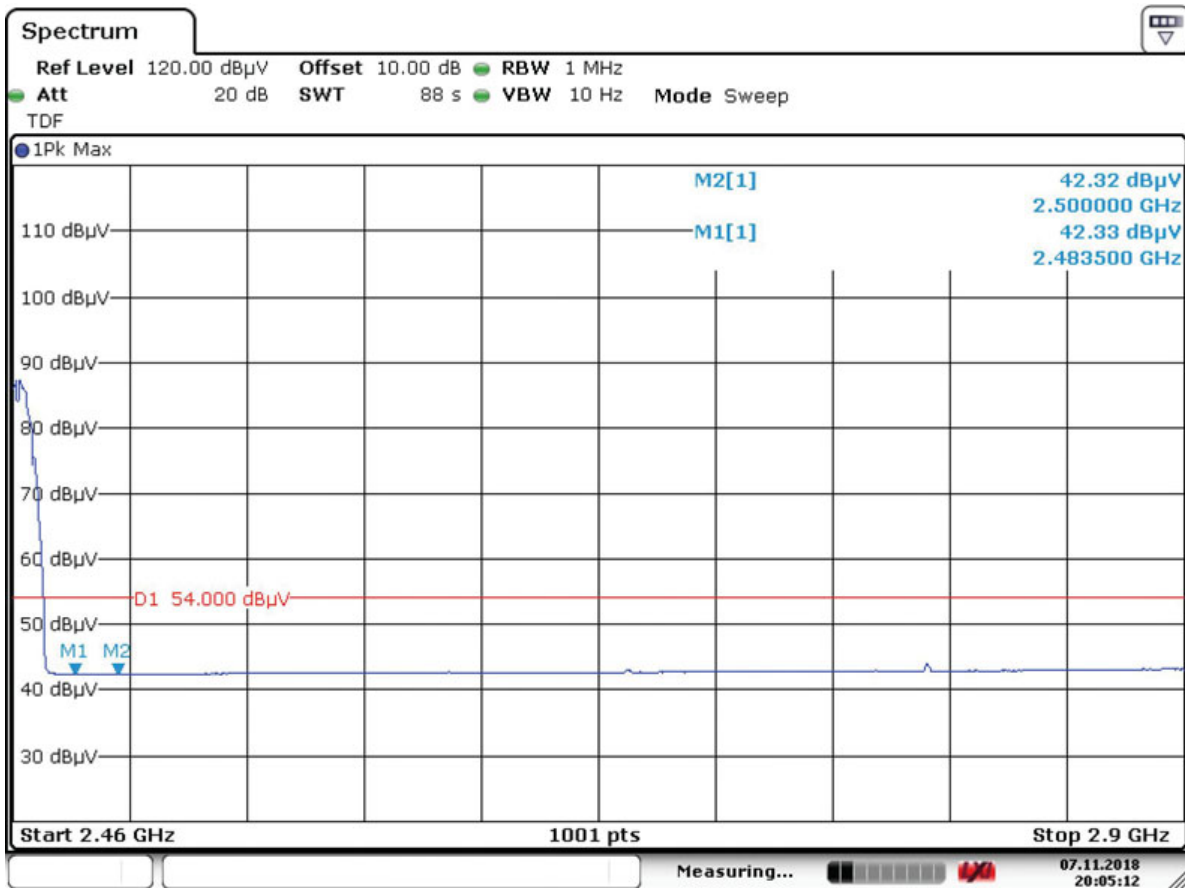


Date: 7.NOV.2018 20:11:25

High Channel (Horizontal)

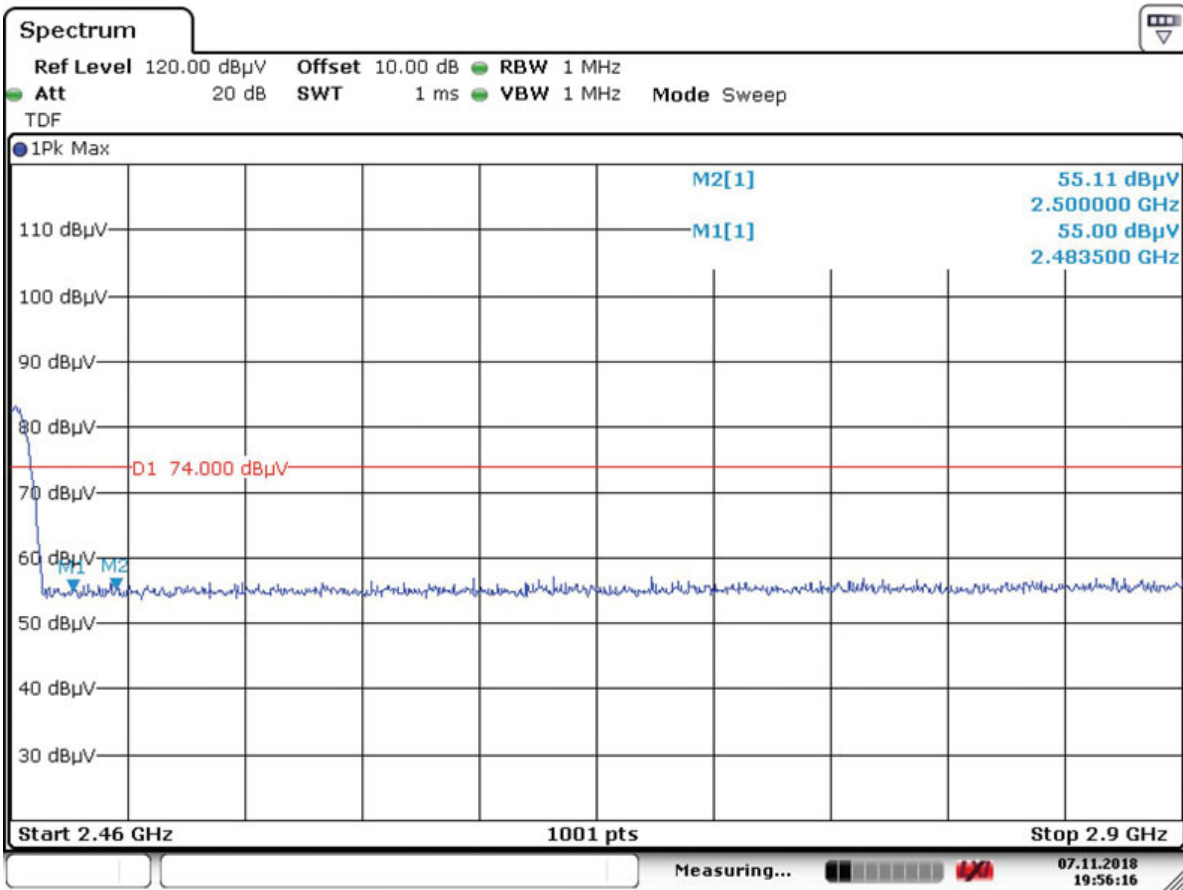


Date: 7.NOV.2018 20:00:12

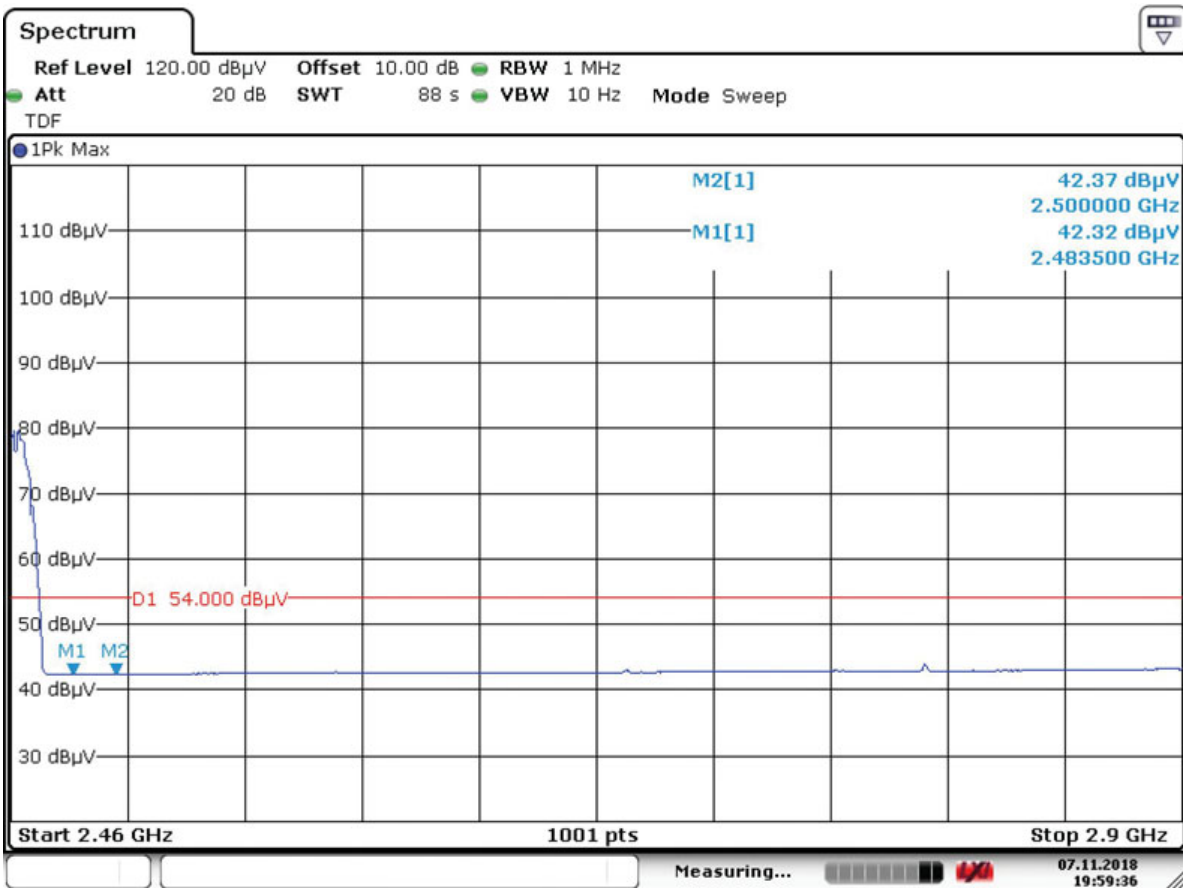


Date: 7.NOV.2018 20:05:11

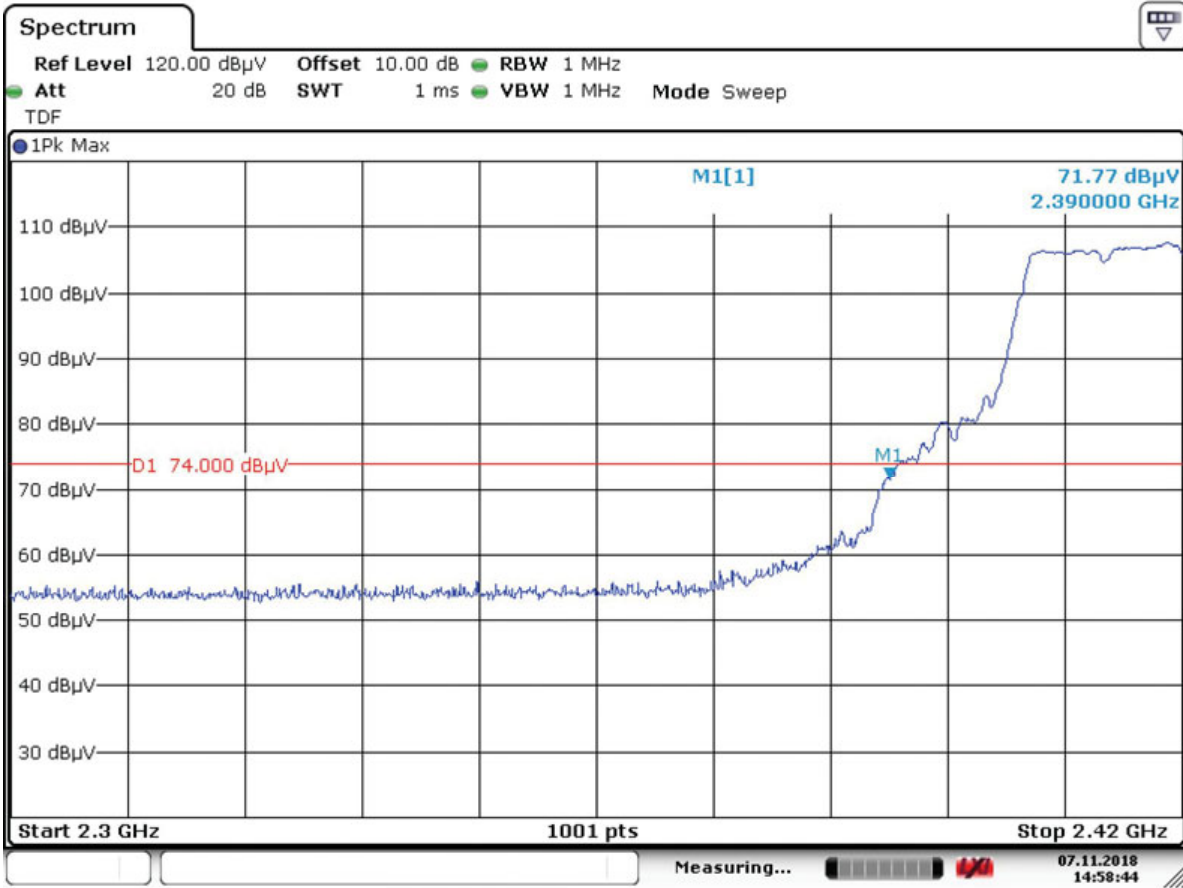
High Channel (Vertical)



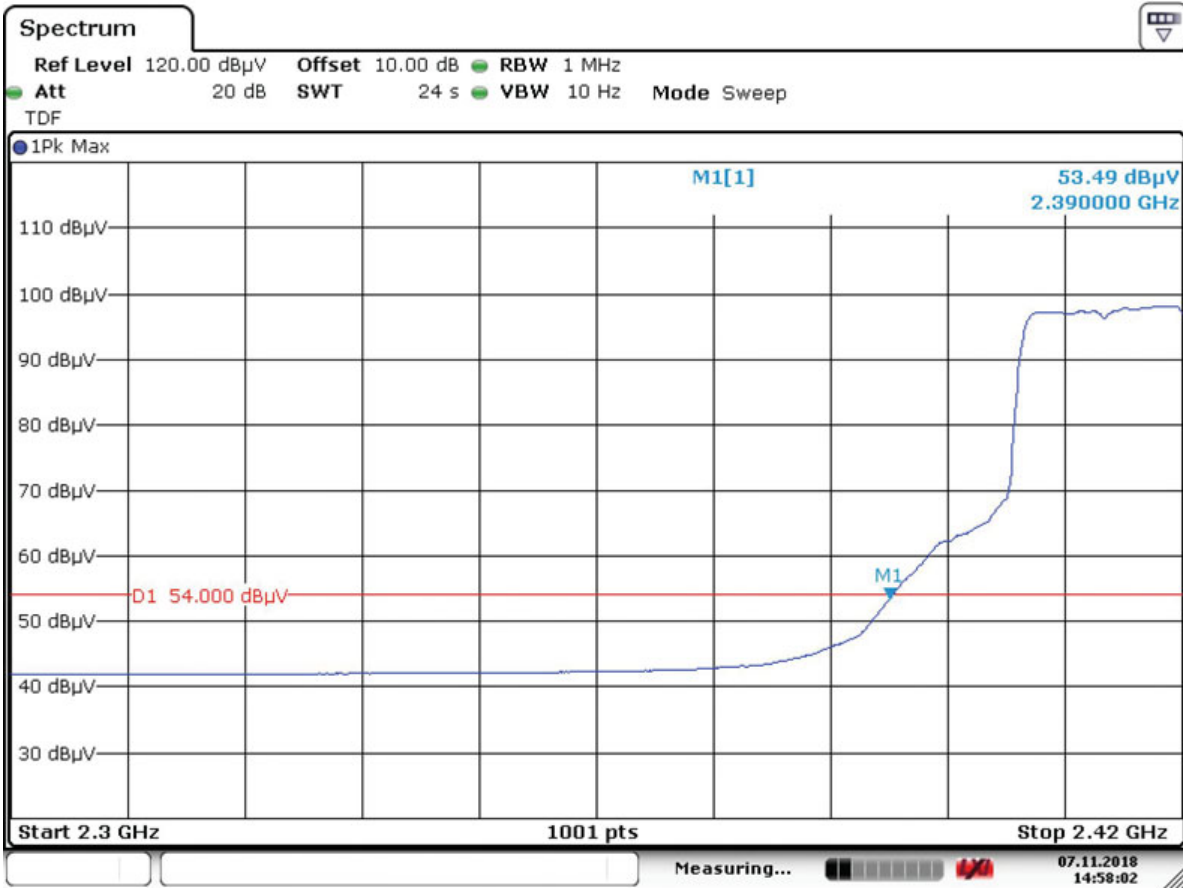
Date: 7.NOV.2018 19:56:15



Date: 7.NOV.2018 19:59:36

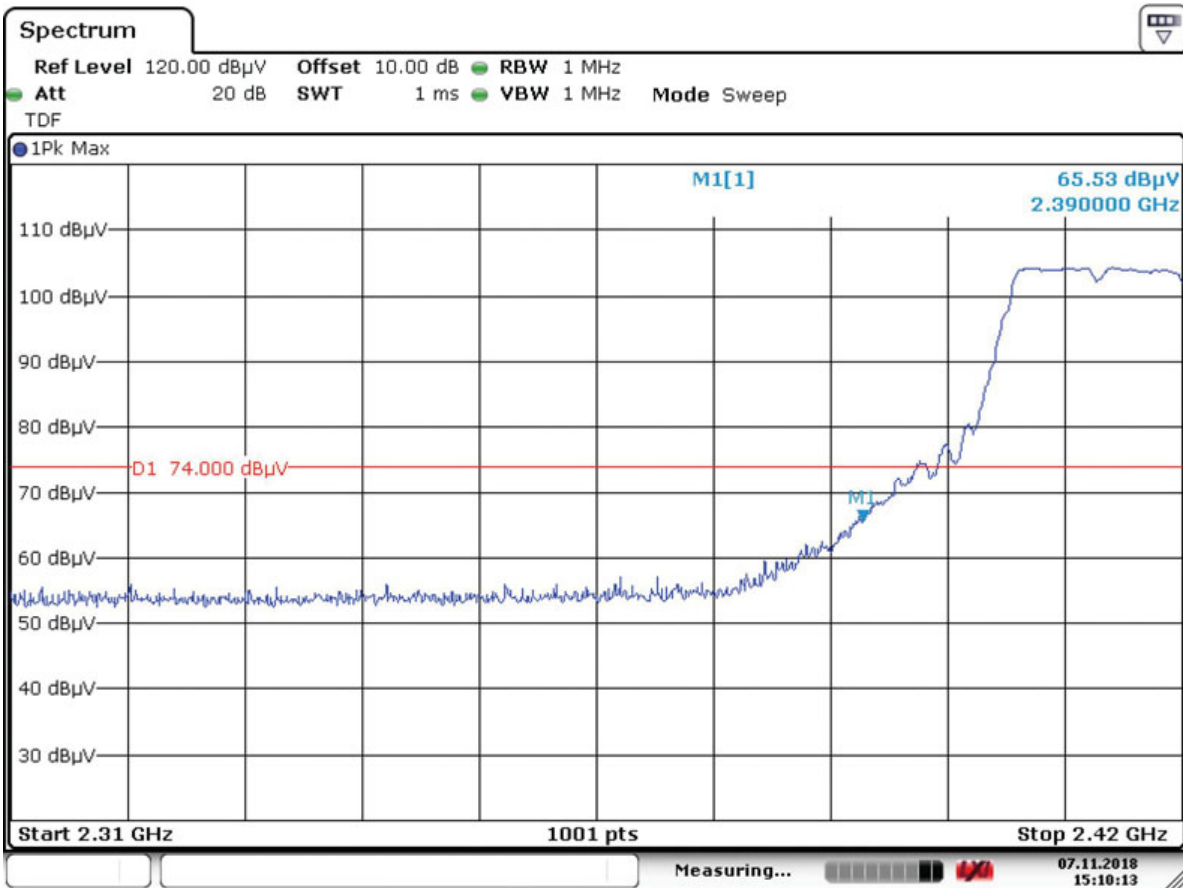


Date: 7.NOV.2018 14:58:44

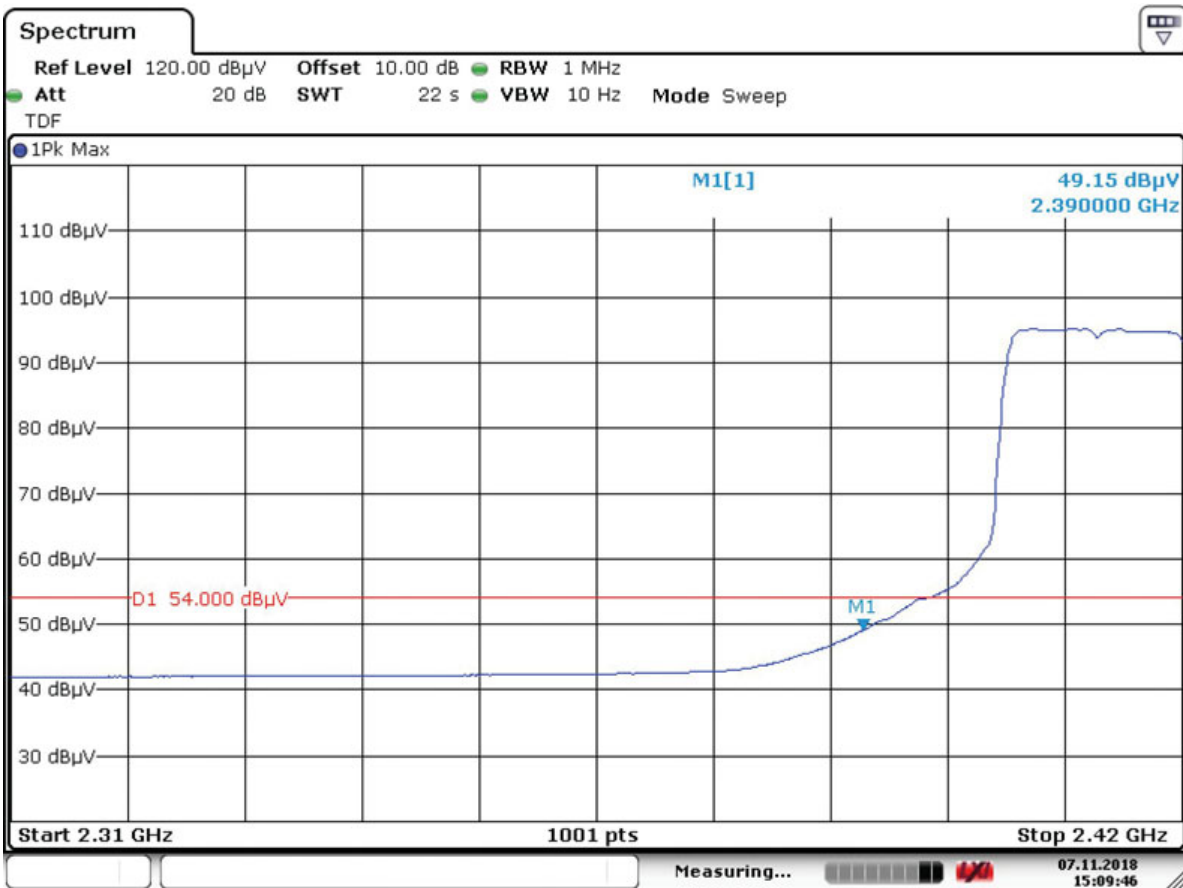


Date: 7.NOV.2018 14:58:02

Low Channel (Vertical)

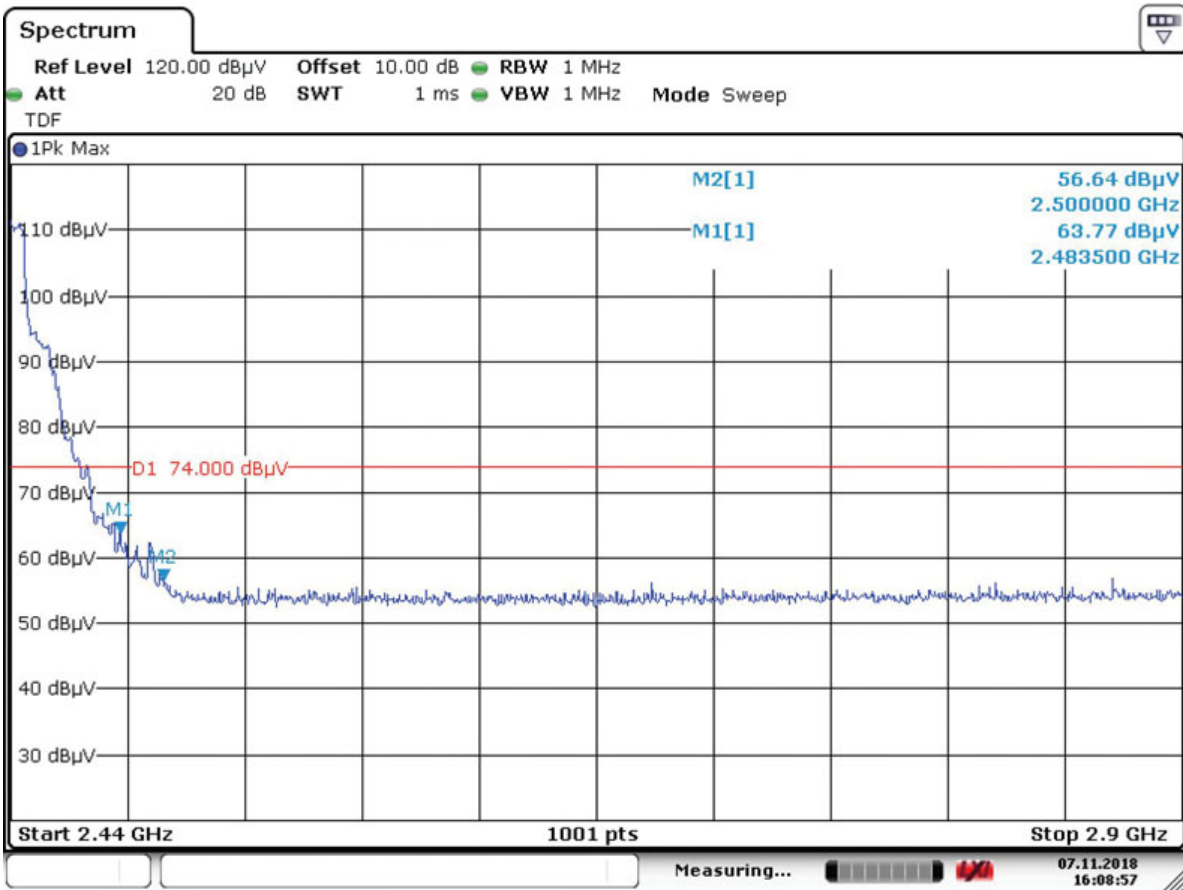


Date: 7.NOV.2018 15:10:13

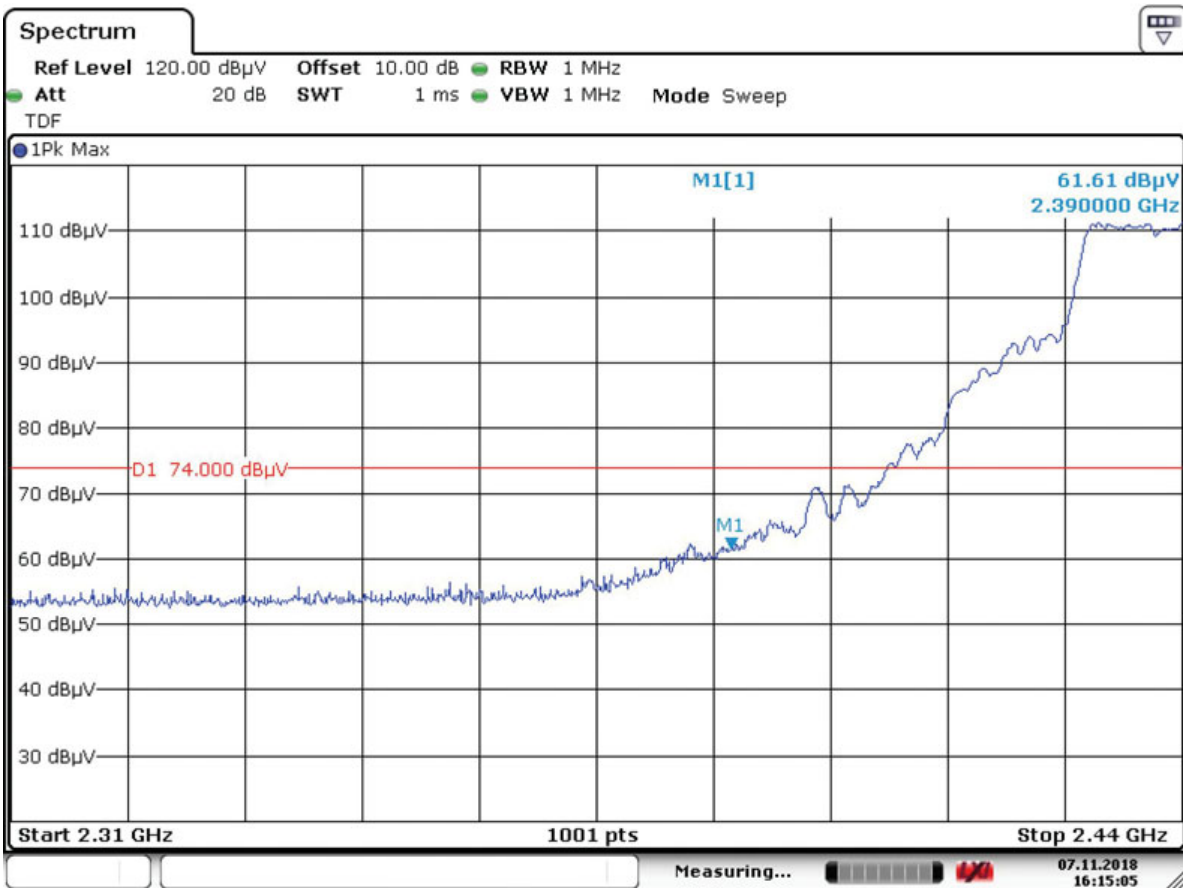


Date: 7.NOV.2018 15:09:45

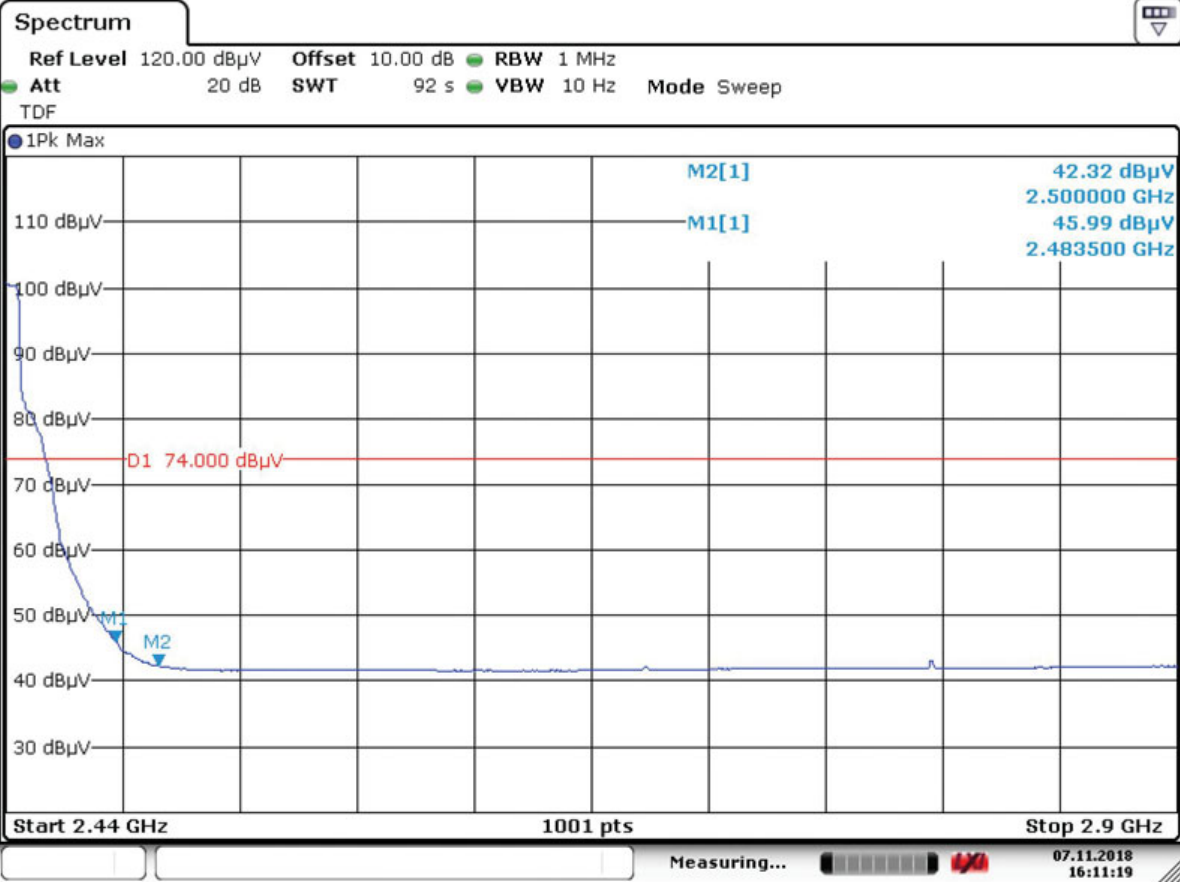
Middle Channel (Horizontal)



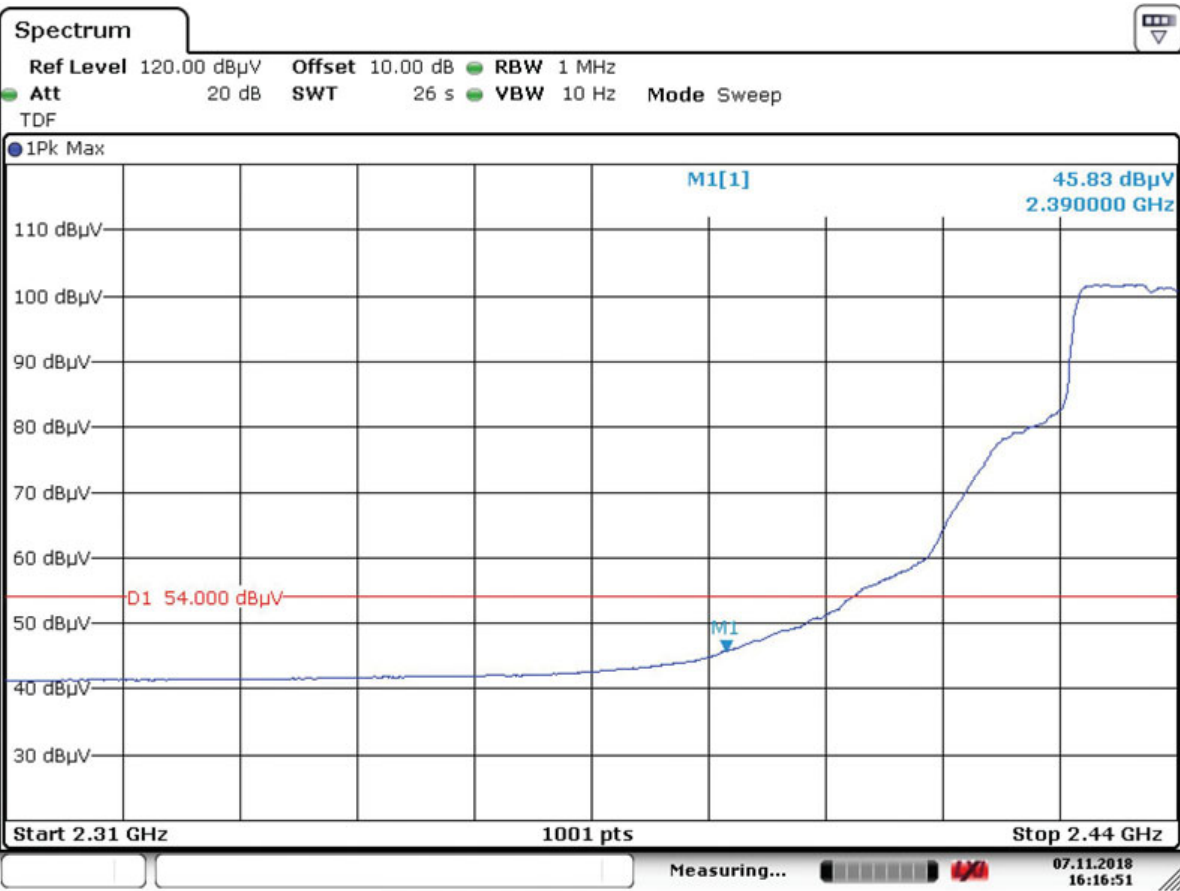
Date: 7.NOV.2018 16:08:57



Date: 7.NOV.2018 16:15:05

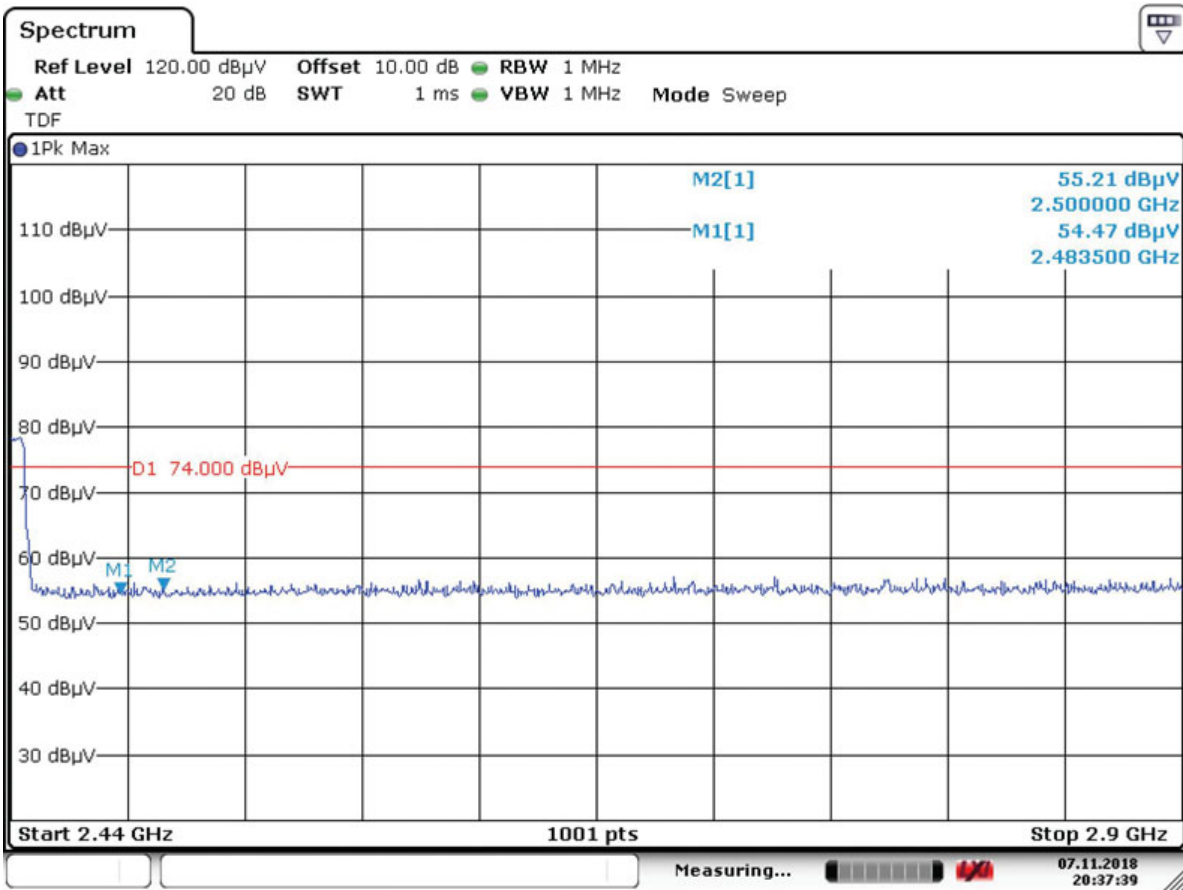


Date: 7.NOV.2018 16:11:19

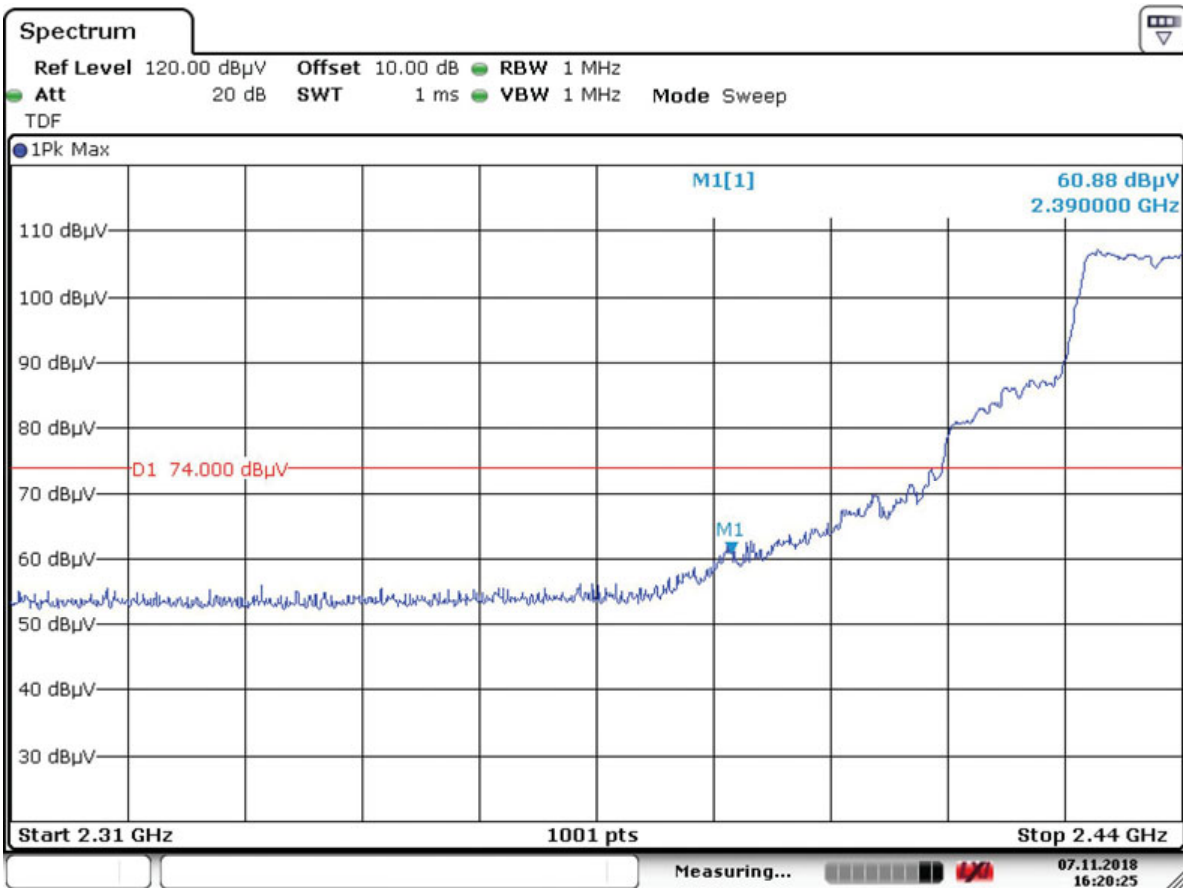


Date: 7.NOV.2018 16:16:50

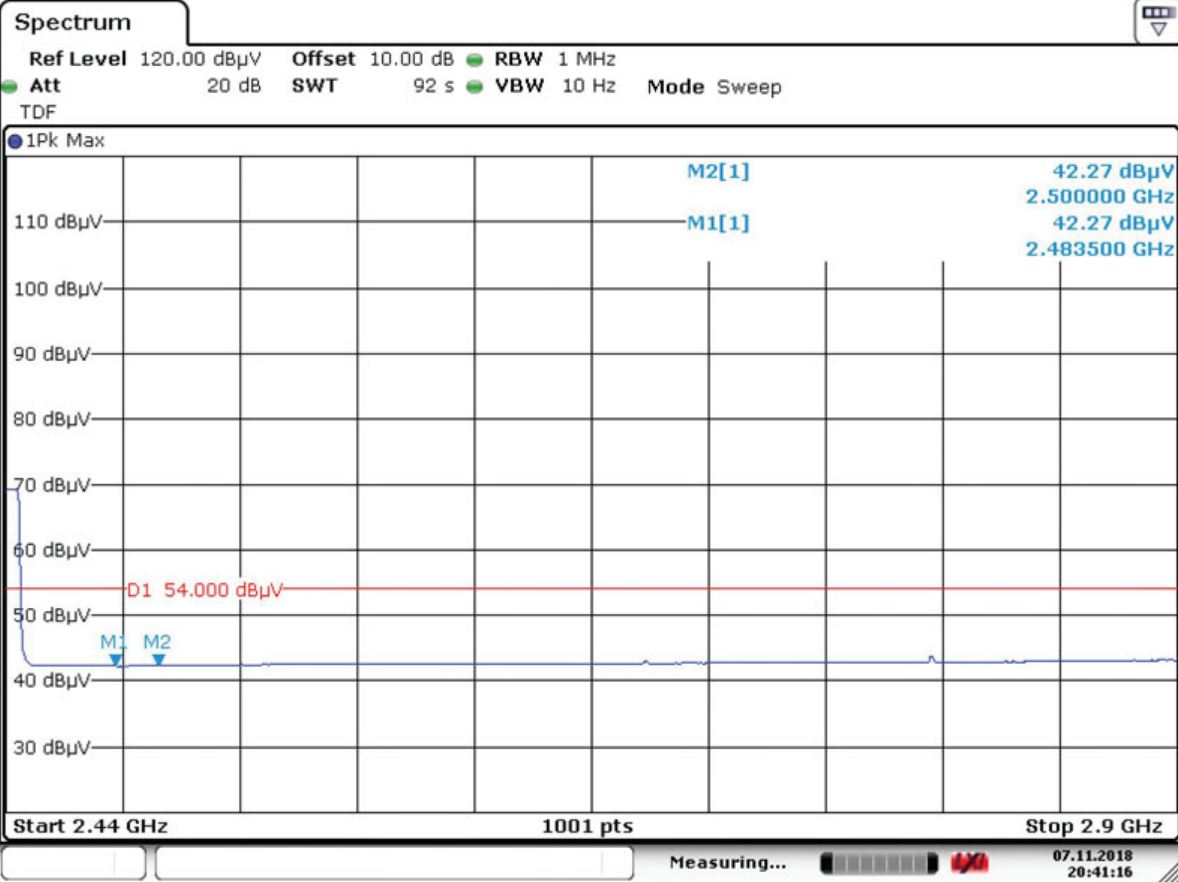
Middle Channel (Vertical)



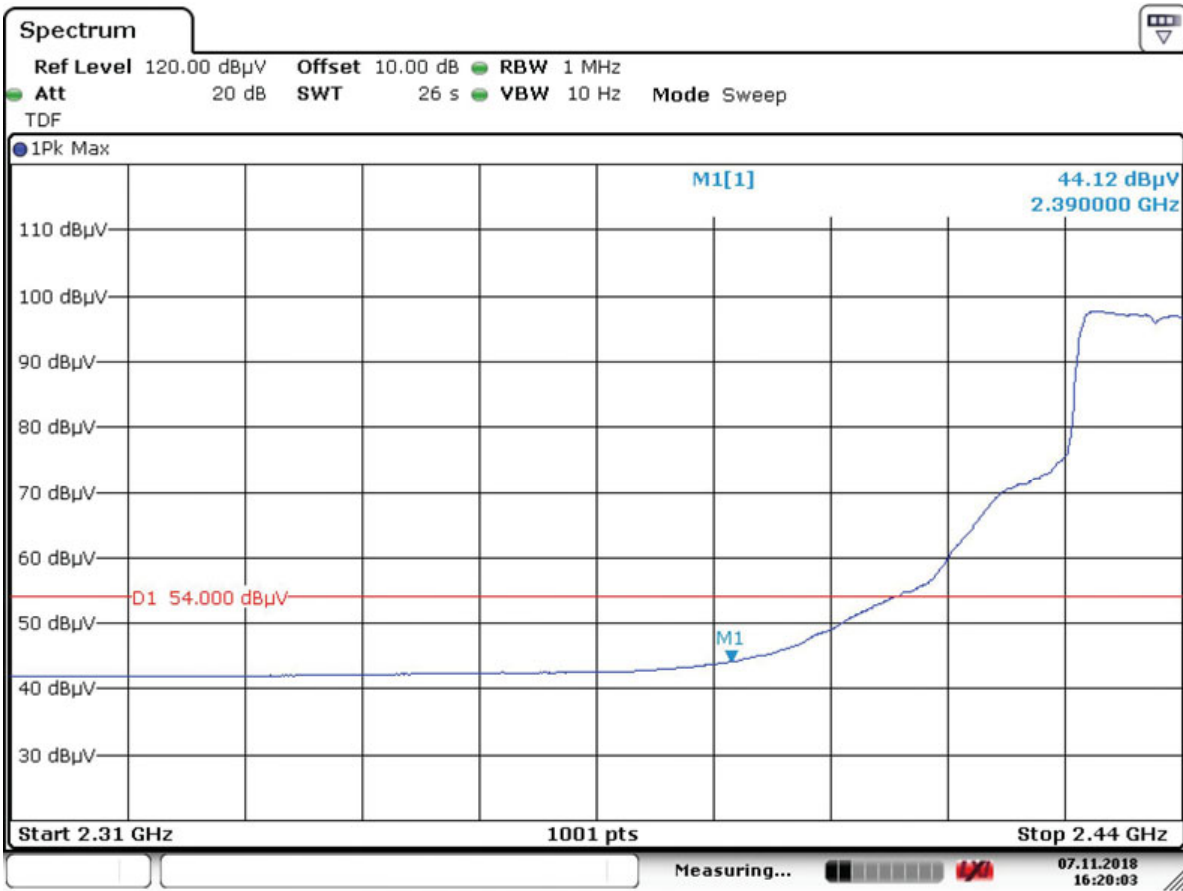
Date: 7.NOV.2018 20:37:38



Date: 7.NOV.2018 16:20:24

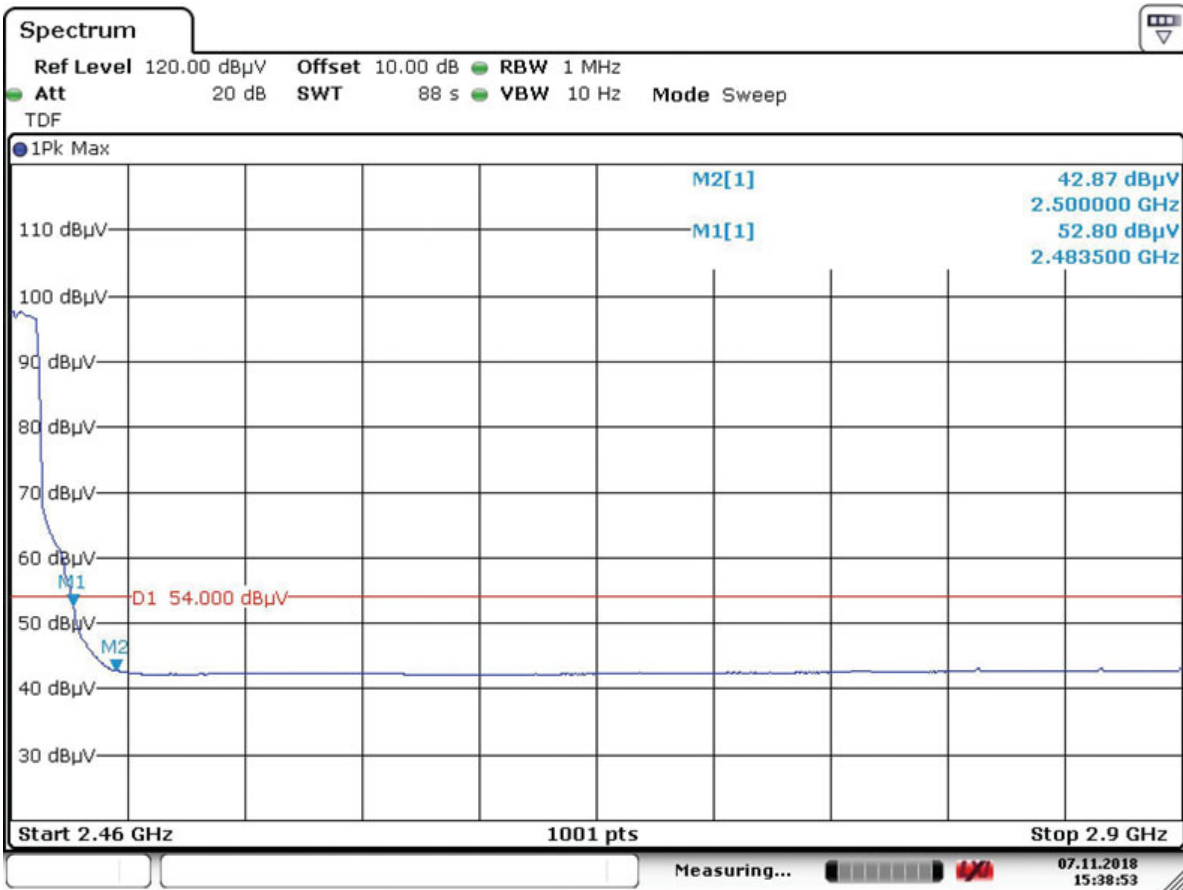


Date: 7.NOV.2018 20:41:15

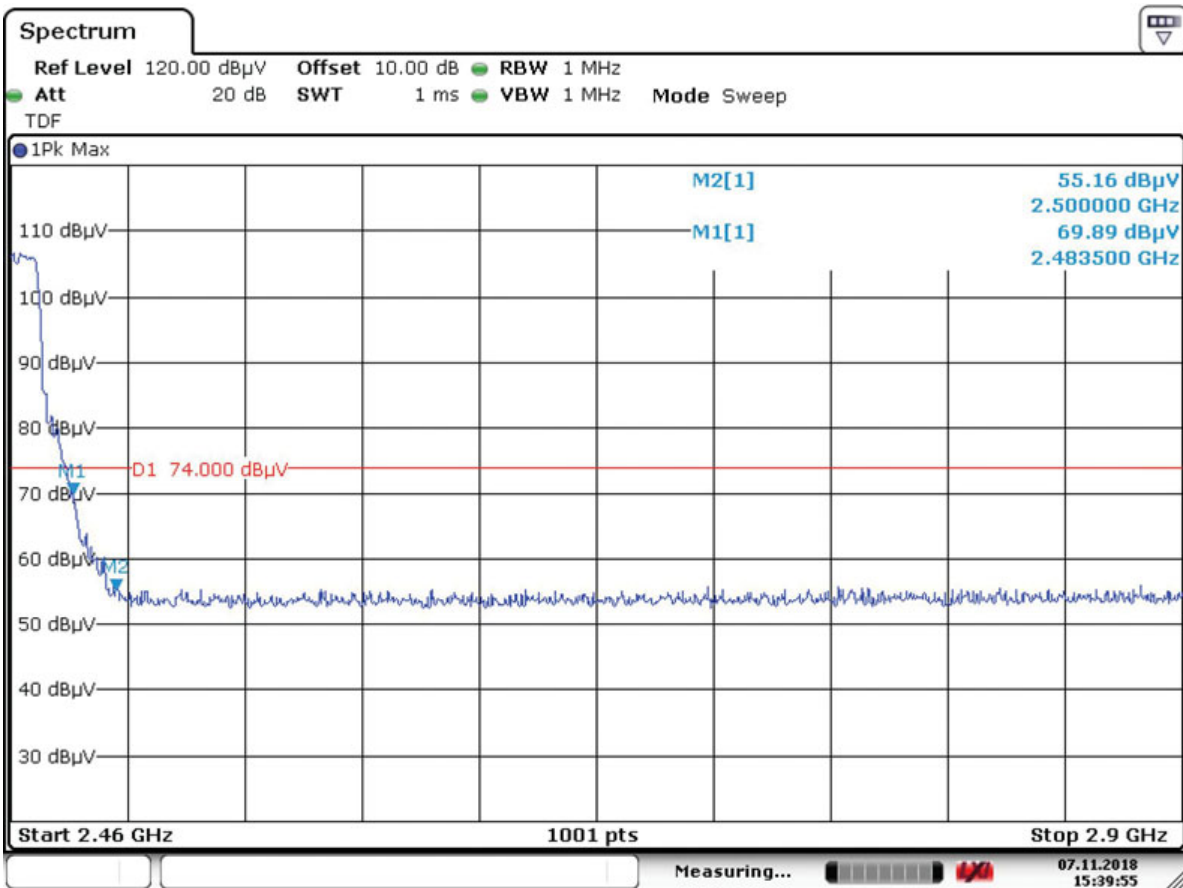


Date: 7.NOV.2018 16:20:02

High Channel (Horizontal)

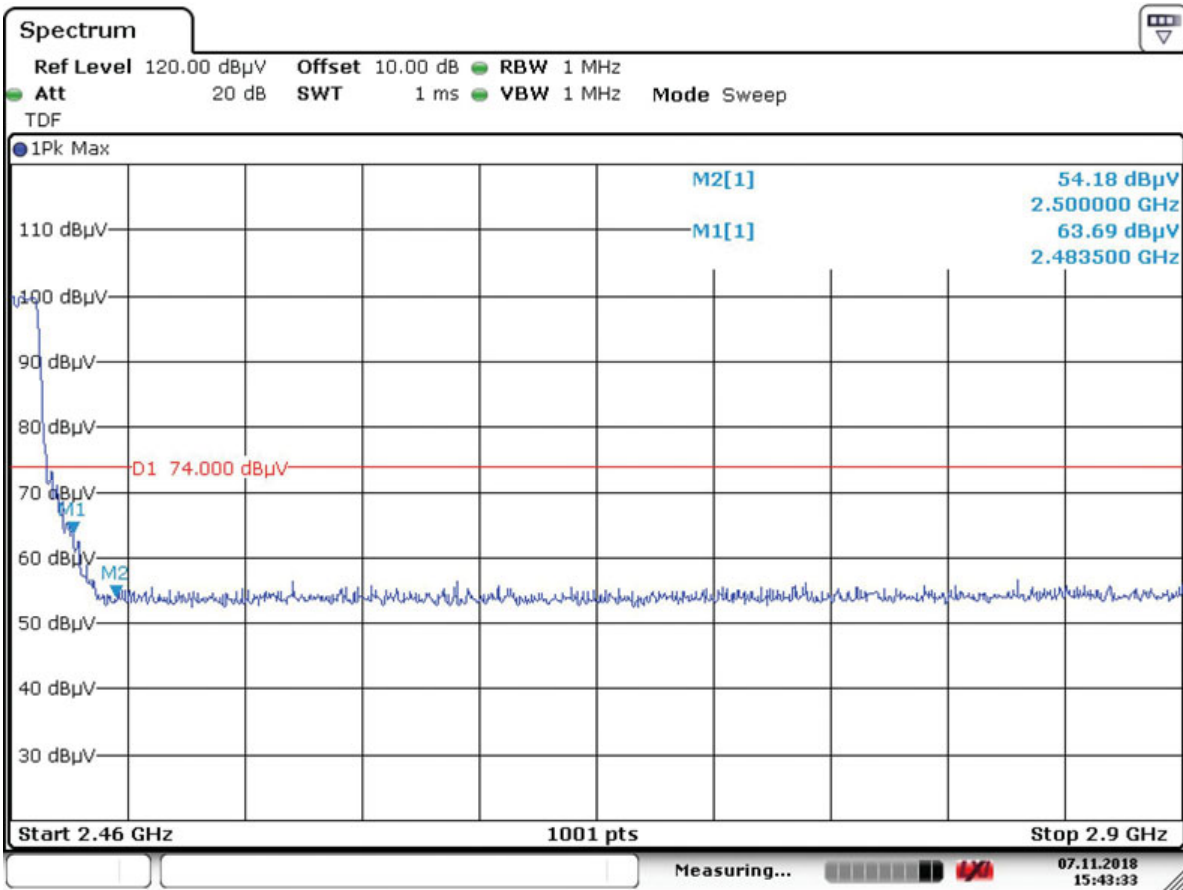


Date: 7.NOV.2018 15:38:53

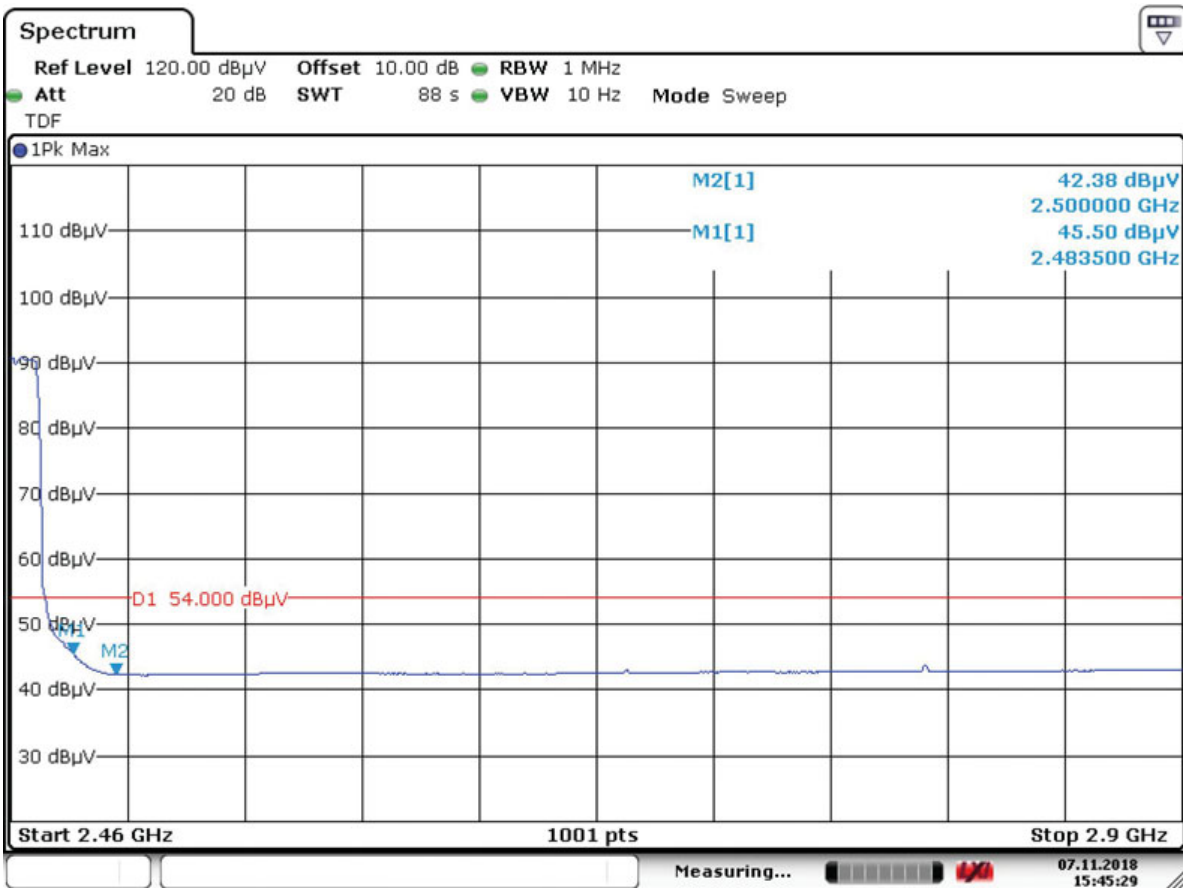


Date: 7.NOV.2018 15:39:55

High Channel (Vertical)

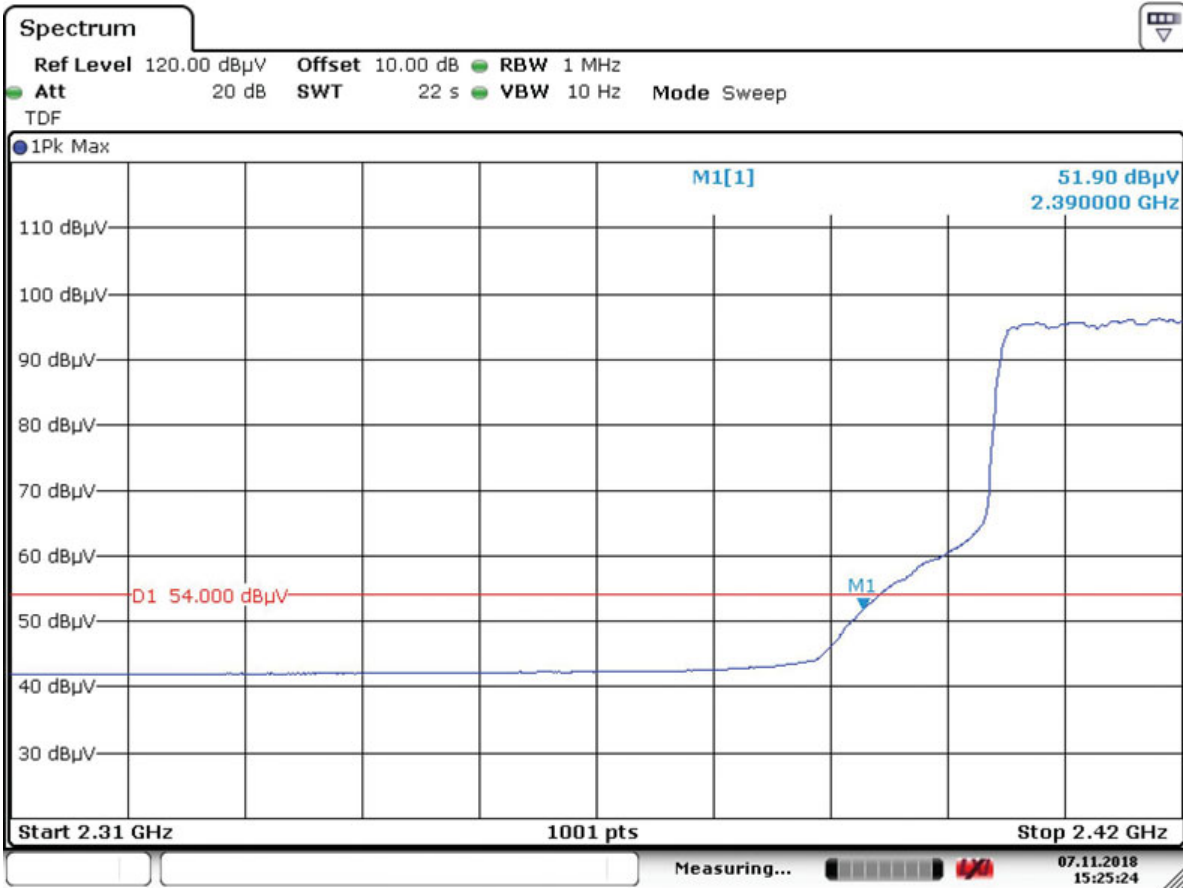
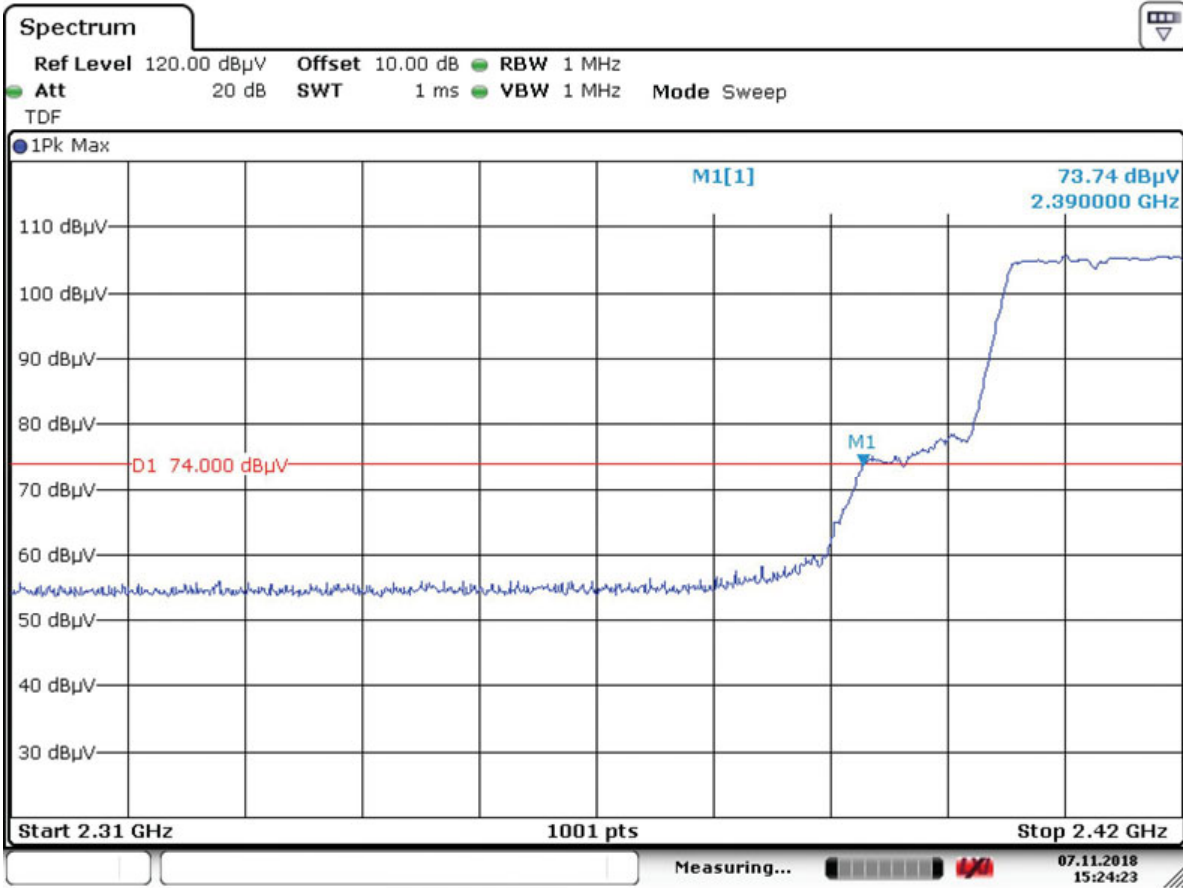


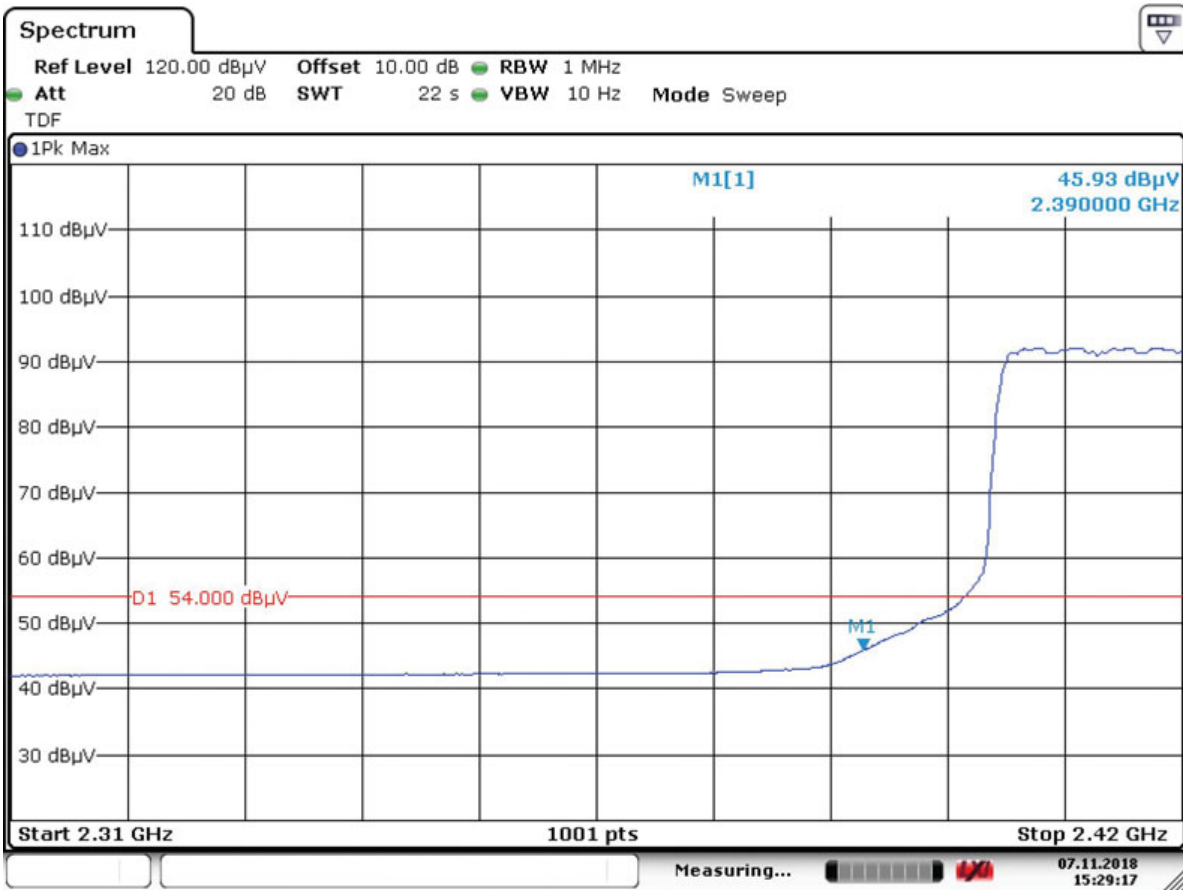
Date: 7.NOV.2018 15:43:33



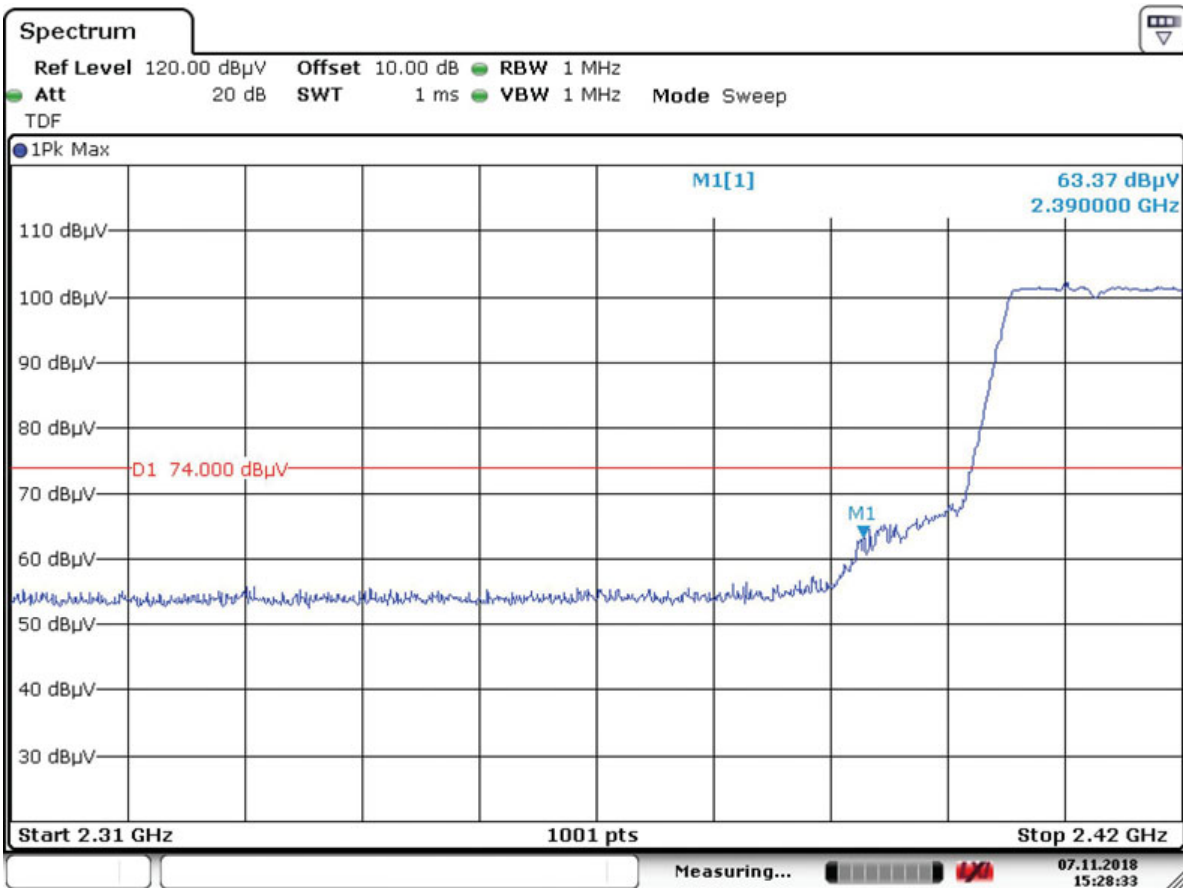
Date: 7.NOV.2018 15:45:29

Low Channel (Horizontal)



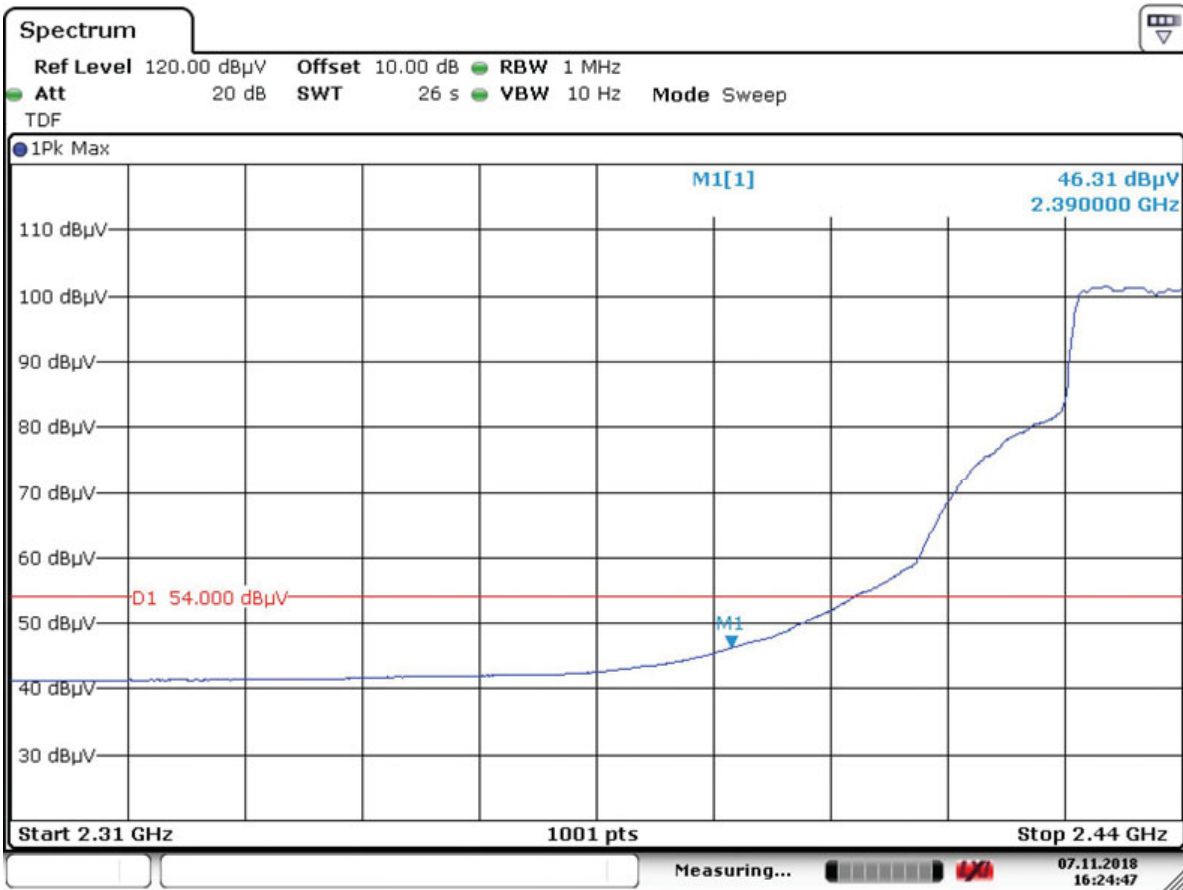


Date: 7.NOV.2018 15:29:16

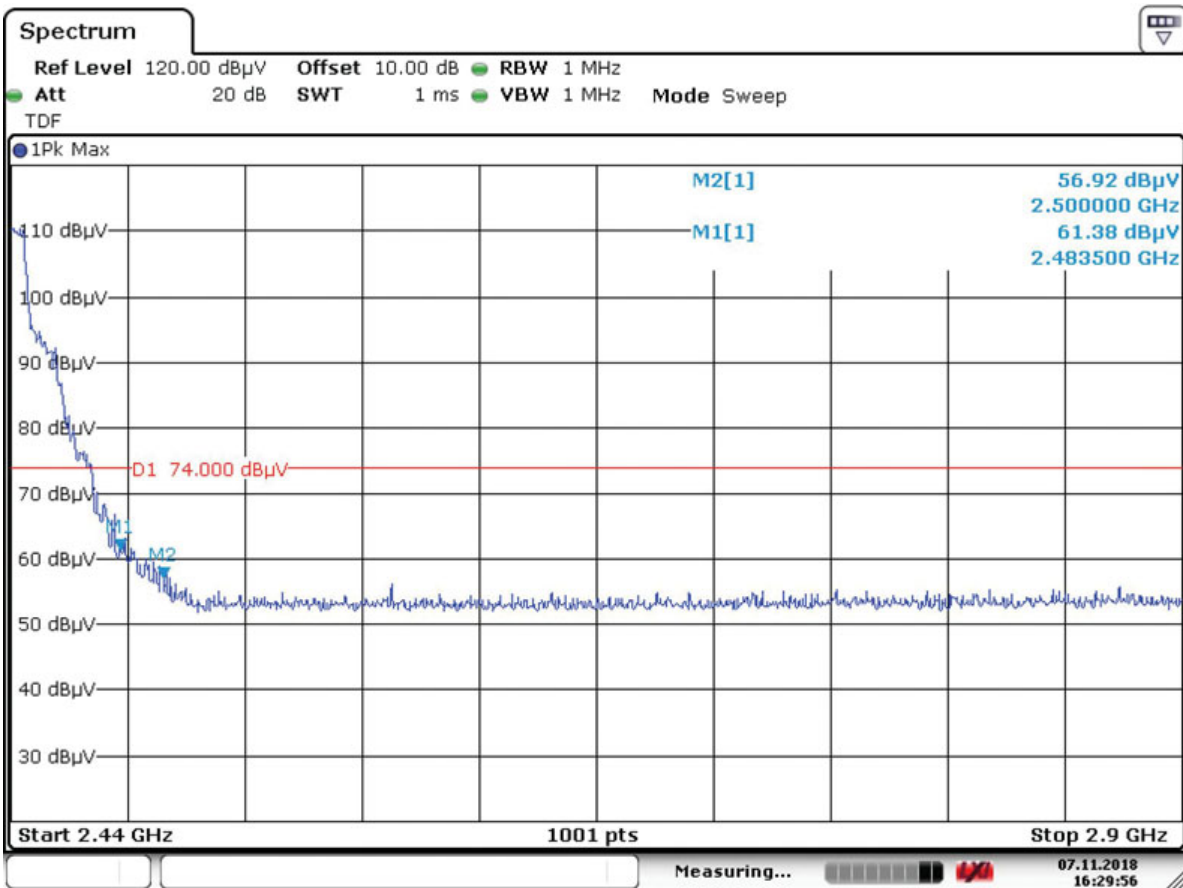


Date: 7.NOV.2018 15:28:32

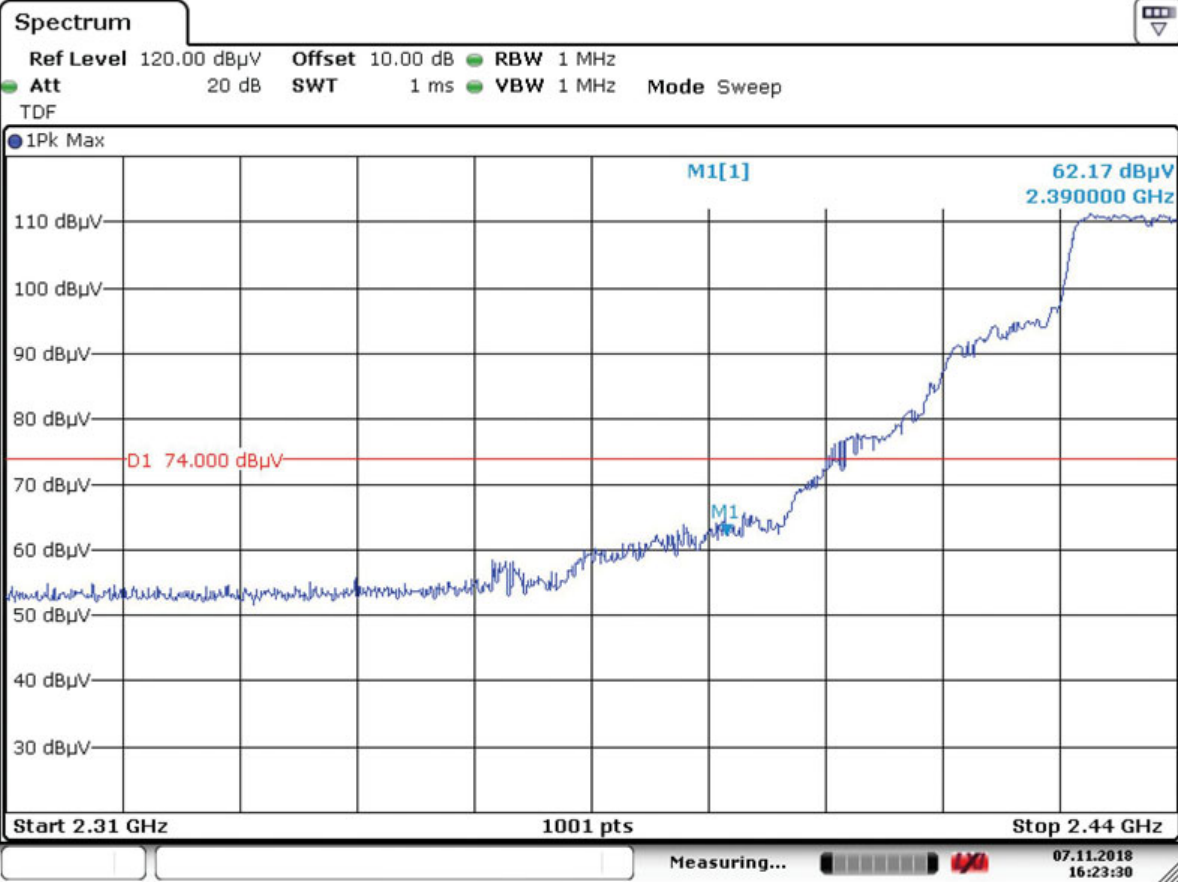
Middle Channel (Horizontal)



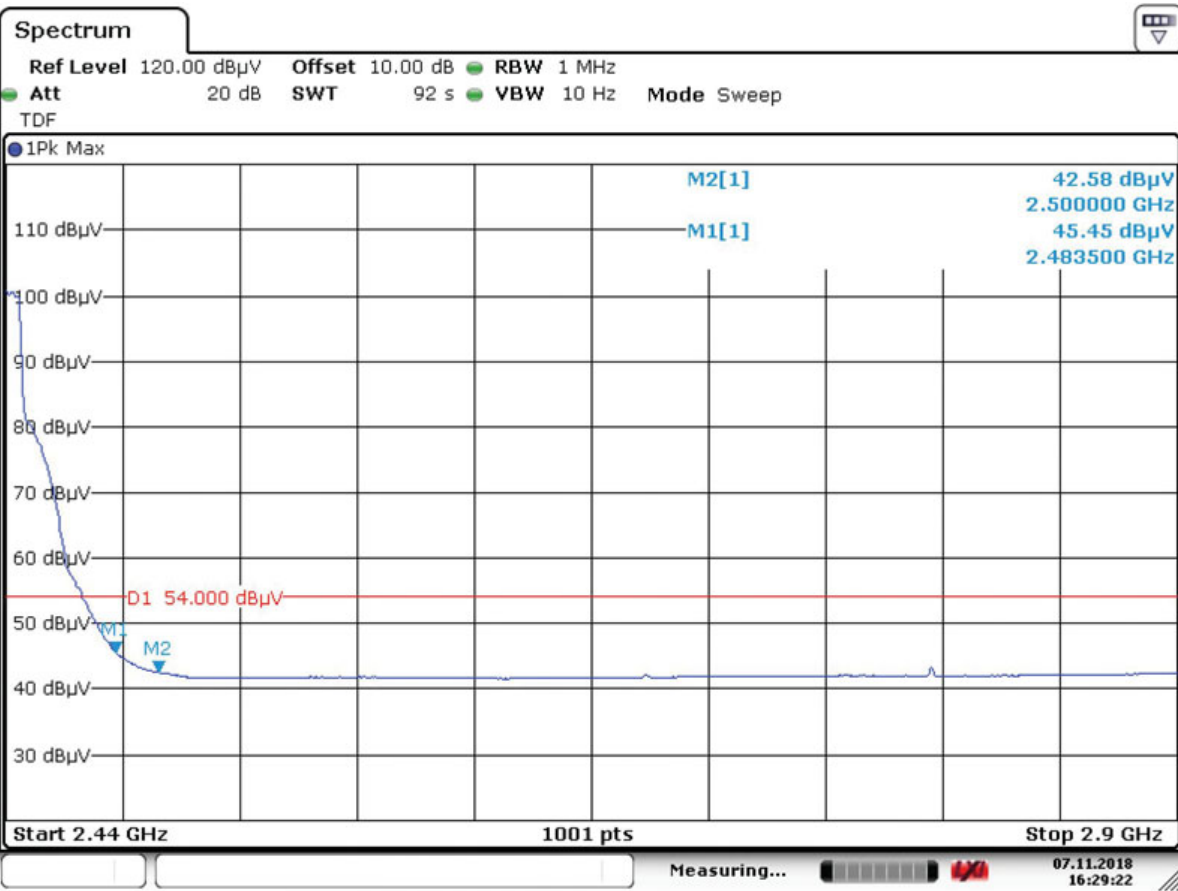
Date: 7.NOV.2018 16:24:46



Date: 7.NOV.2018 16:29:56

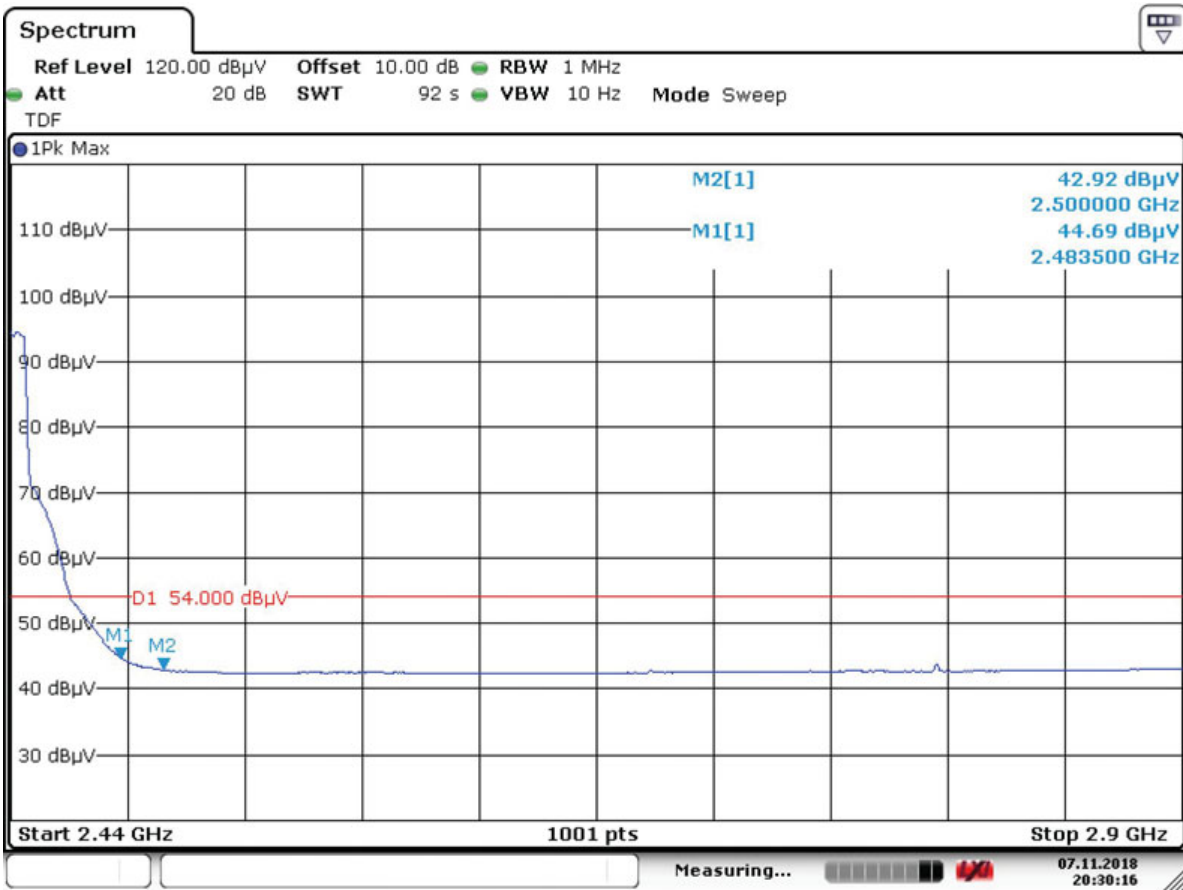


Date: 7.NOV.2018 16:23:29

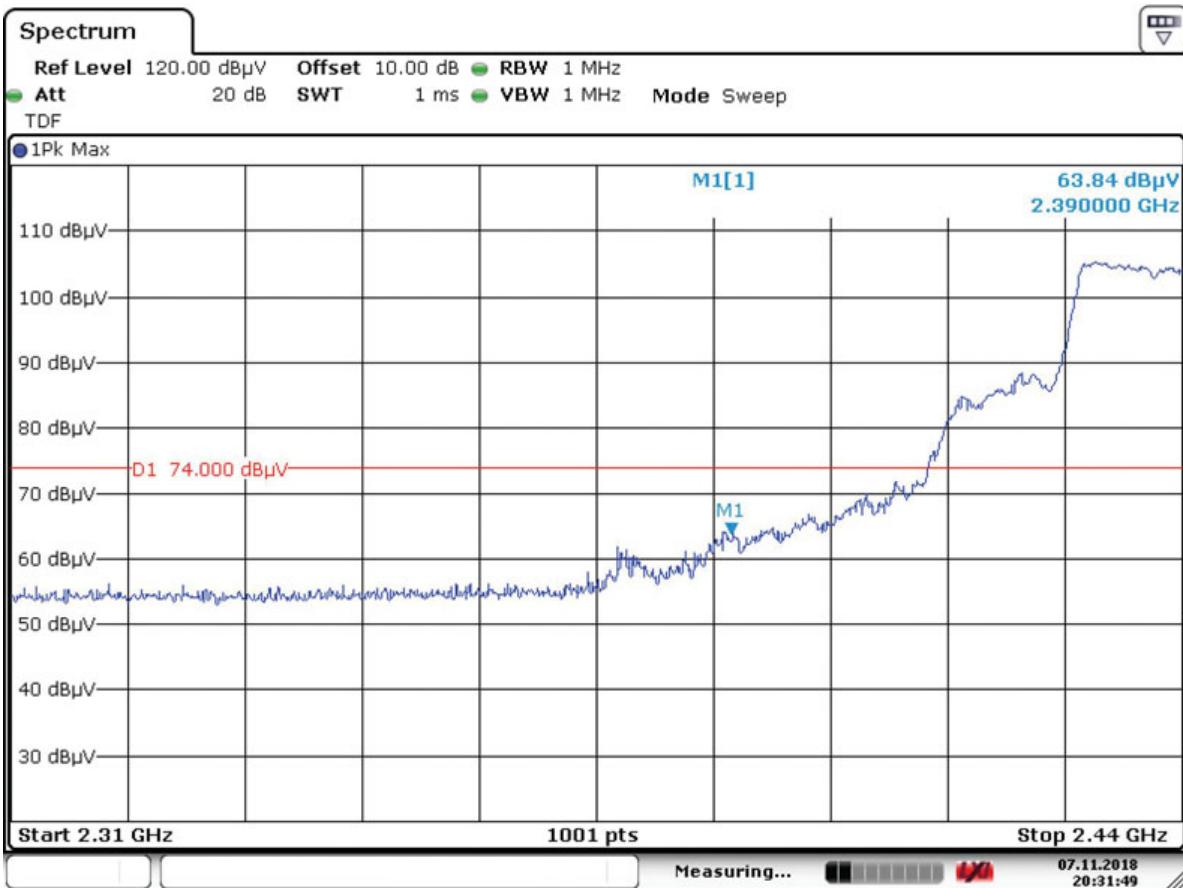


Date: 7.NOV.2018 16:29:21

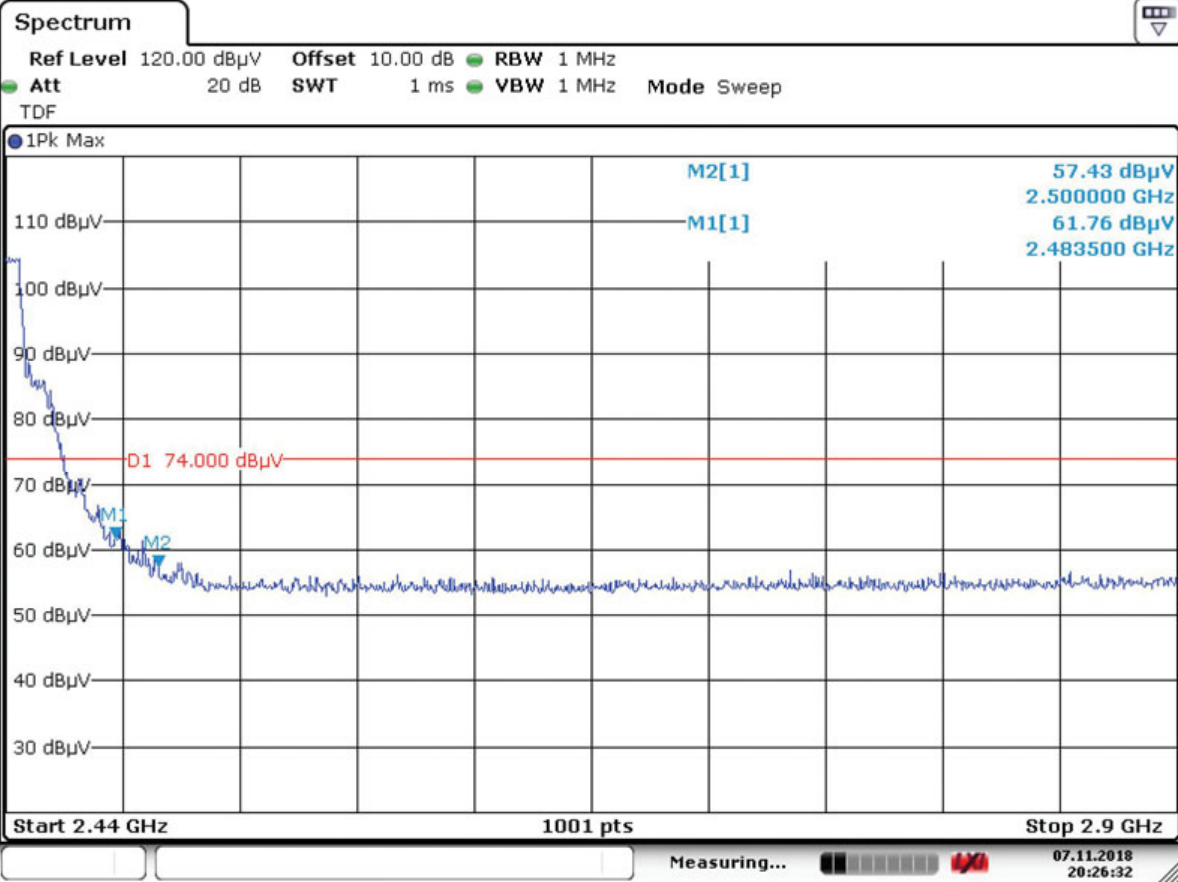
Middle Channel (Vertical)



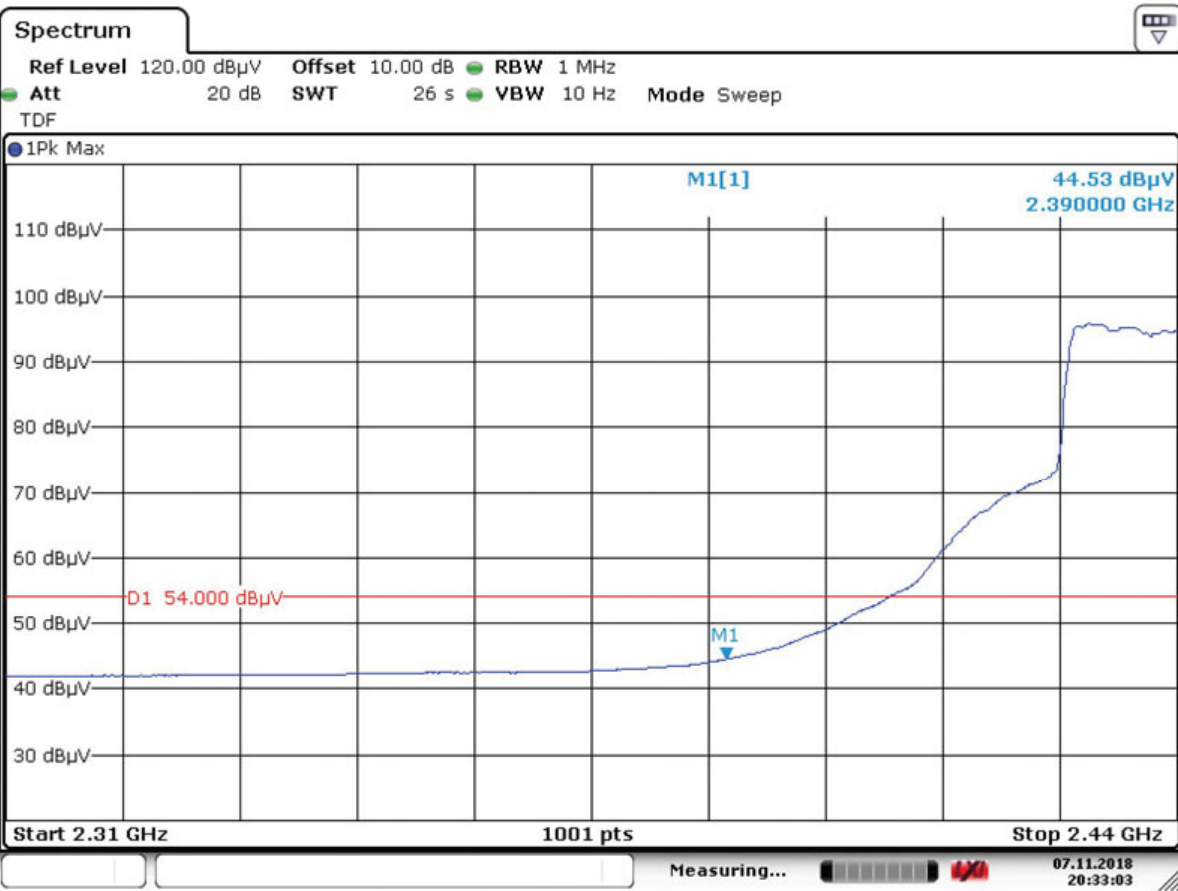
Date: 7.NOV.2018 20:30:16



Date: 7.NOV.2018 20:31:49

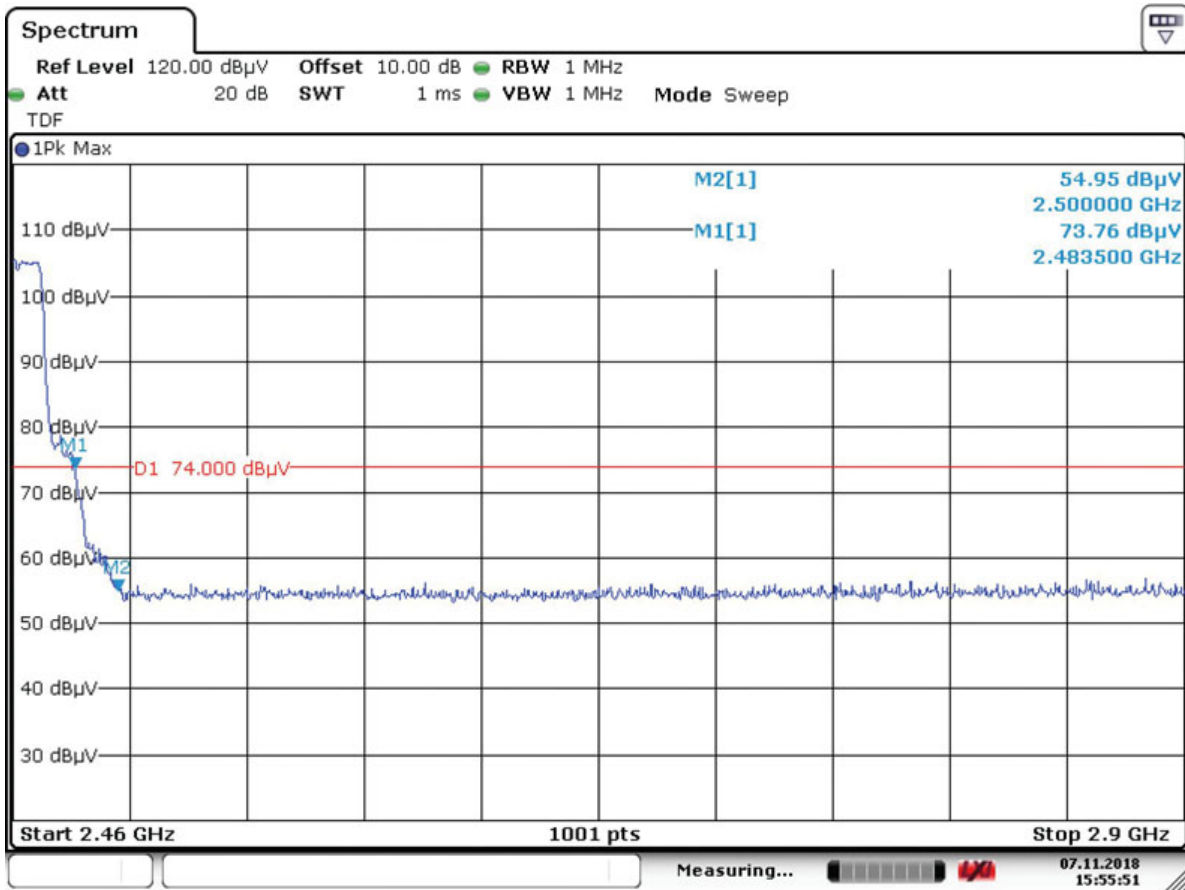


Date: 7.NOV.2018 20:26:32

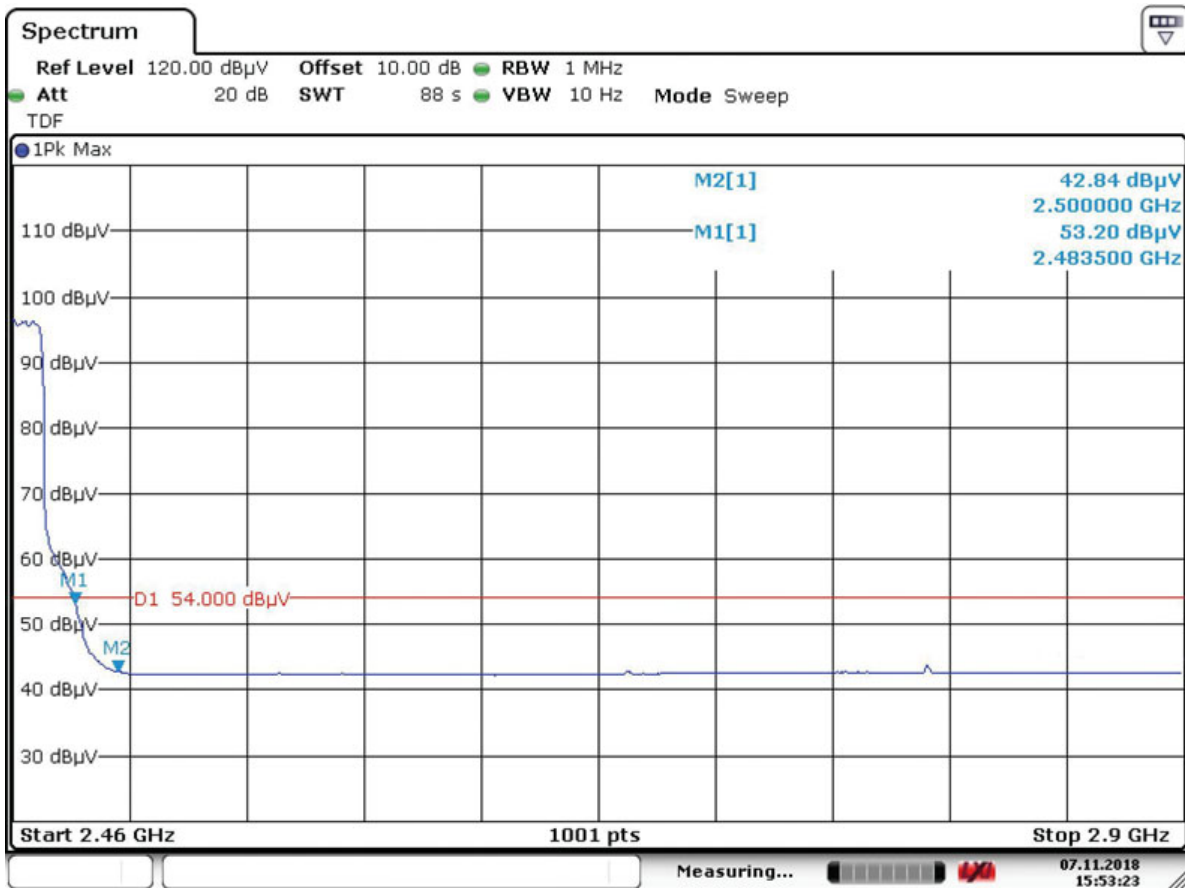


Date: 7.NOV.2018 20:33:03

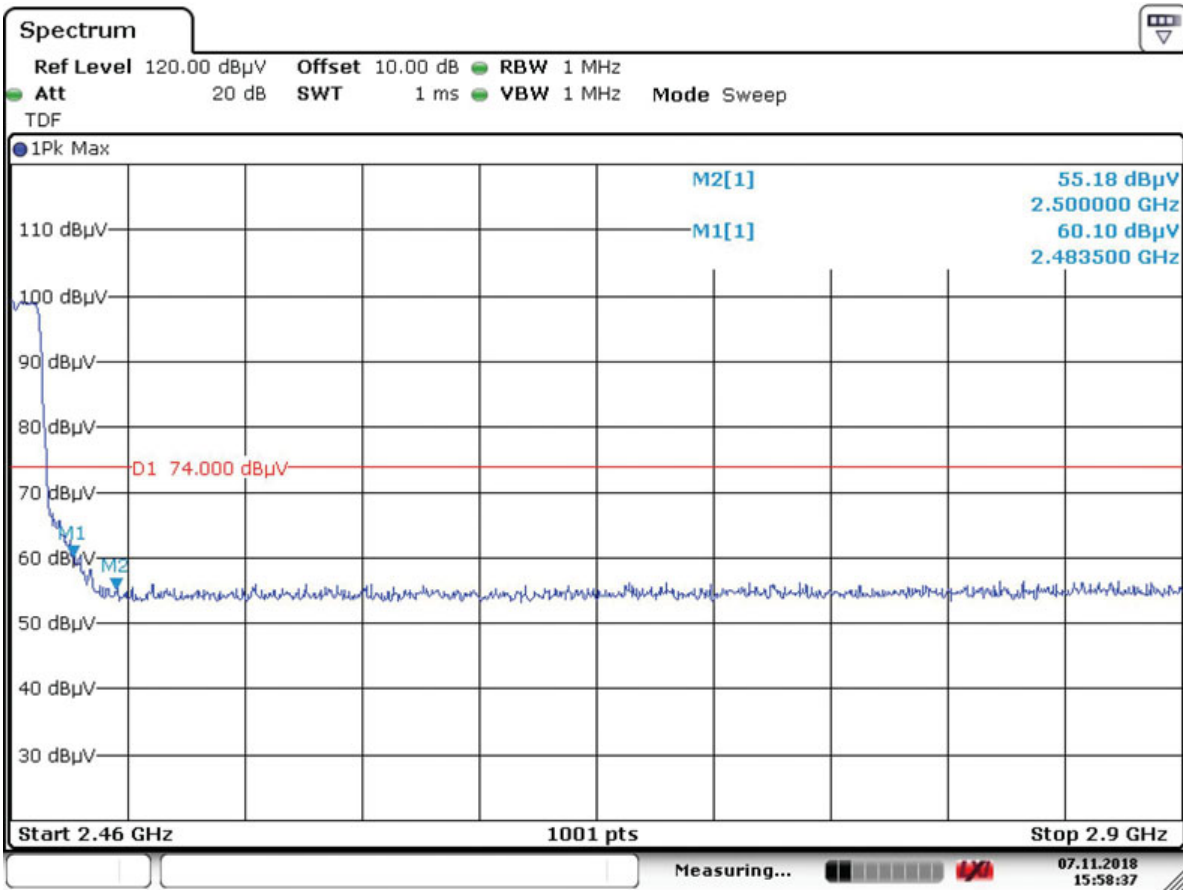
High Channel (Horizontal)



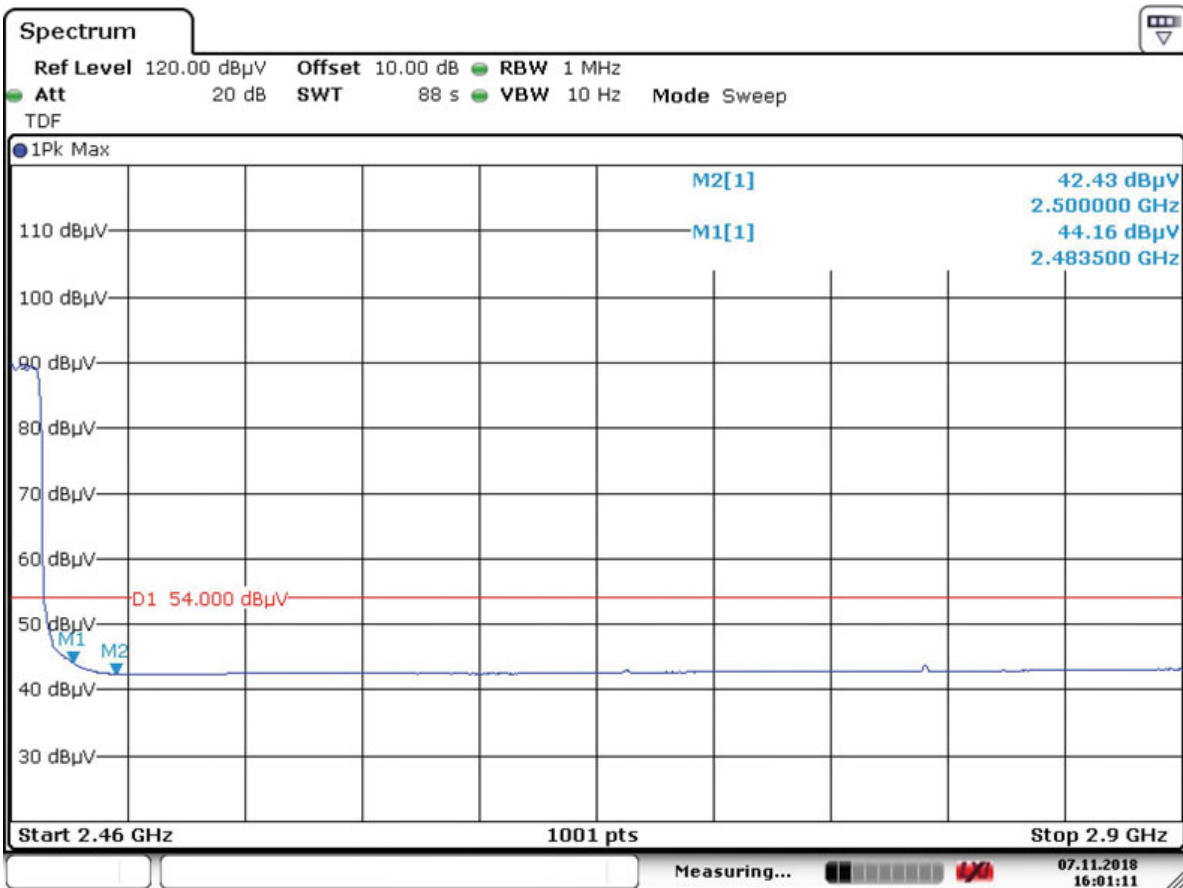
Date: 7.NOV.2018 15:55:51



Date: 7.NOV.2018 15:53:23



Date: 7.NOV.2018 15:58:37

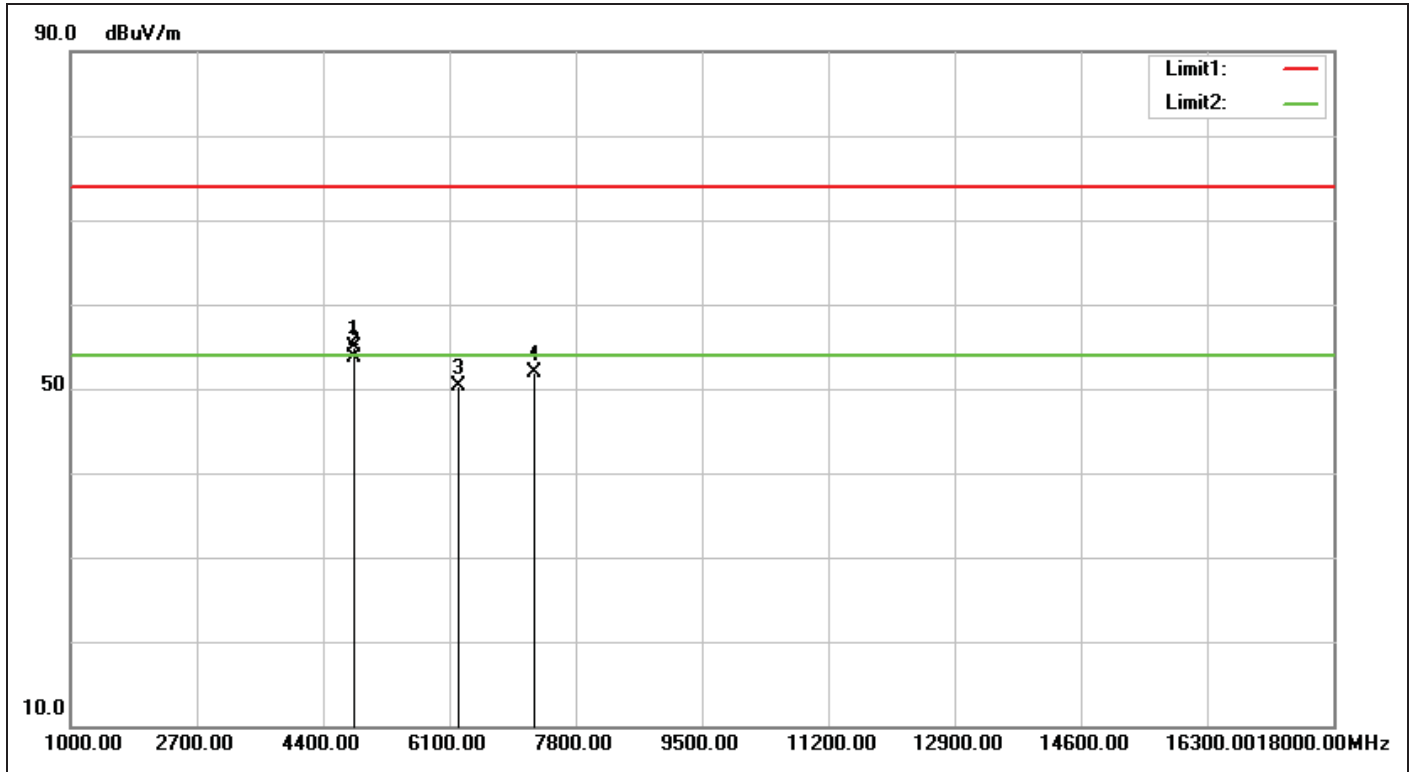


Date: 7.NOV.2018 16:01:11

Spurious Emissions, TX Mode, 1-18G

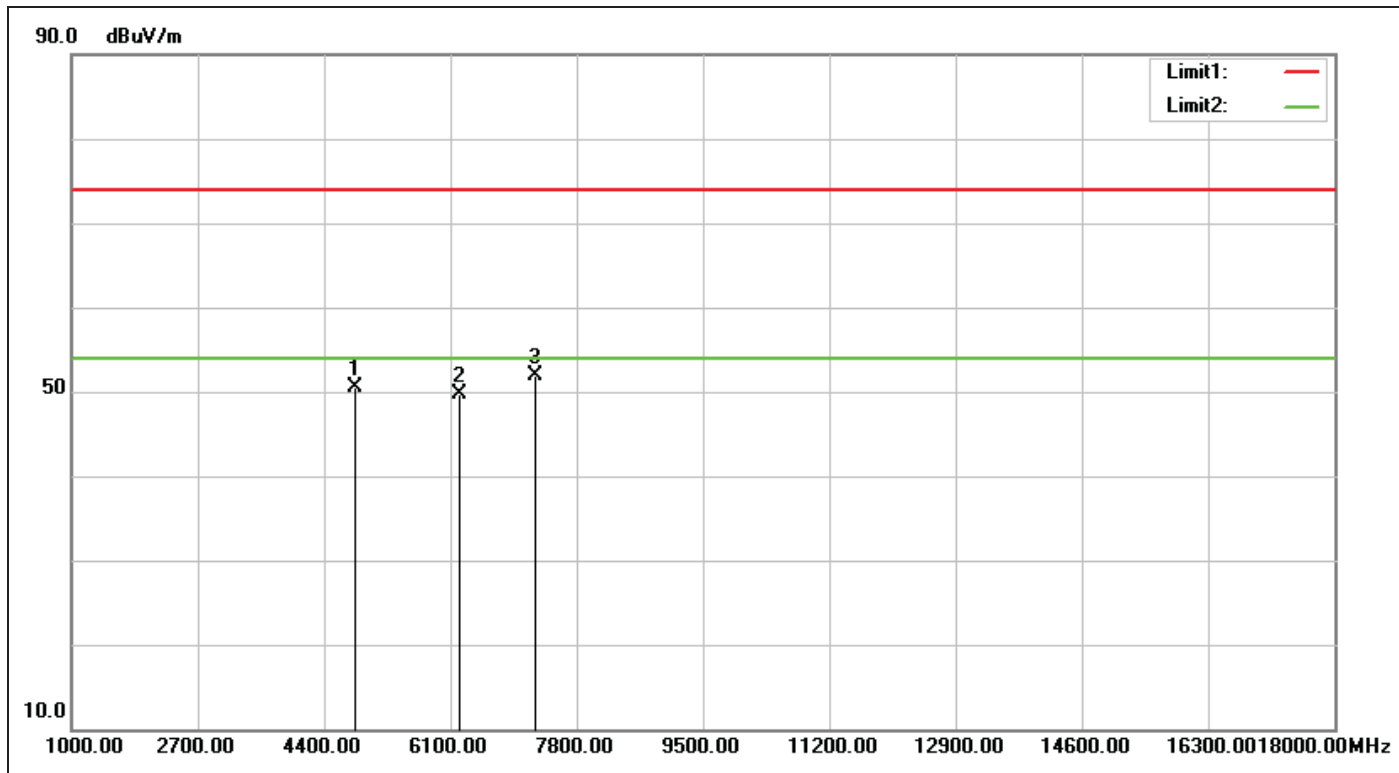


TUV Rheinland Taiwan Ltd.
 11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
 Tel:+886-2172-7000 fax:+886-2528-0018



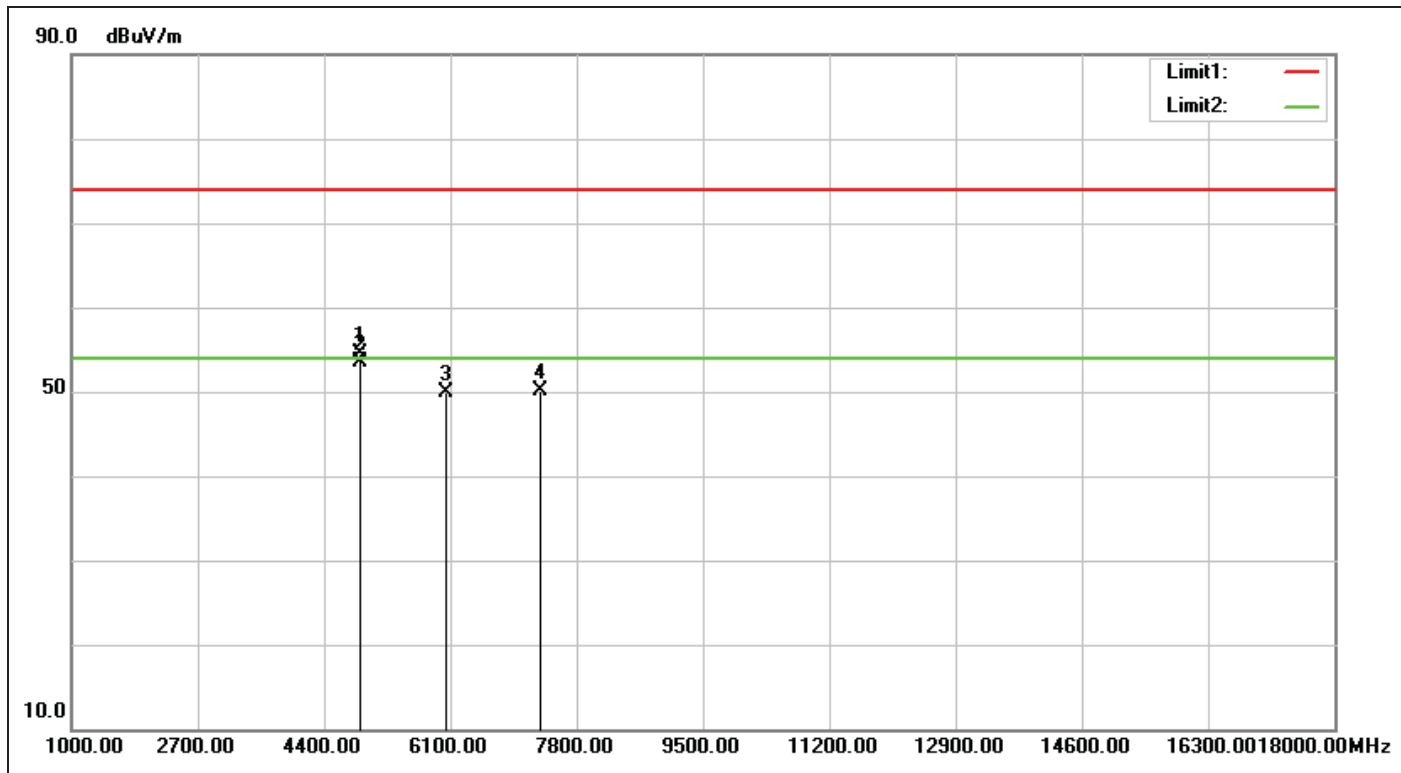
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 16:29:42
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.59	57.57	54.98	74.00	-19.02	peak	100	42	
2	4824.000	-2.59	56.35	53.76	54.00	-0.24	AVG	100	42	
3	6219.000	4.25	46.11	50.36	74.00	-23.64	peak	100	73	
4	7236.000	5.32	46.57	51.89	74.00	-22.11	peak	100	182	



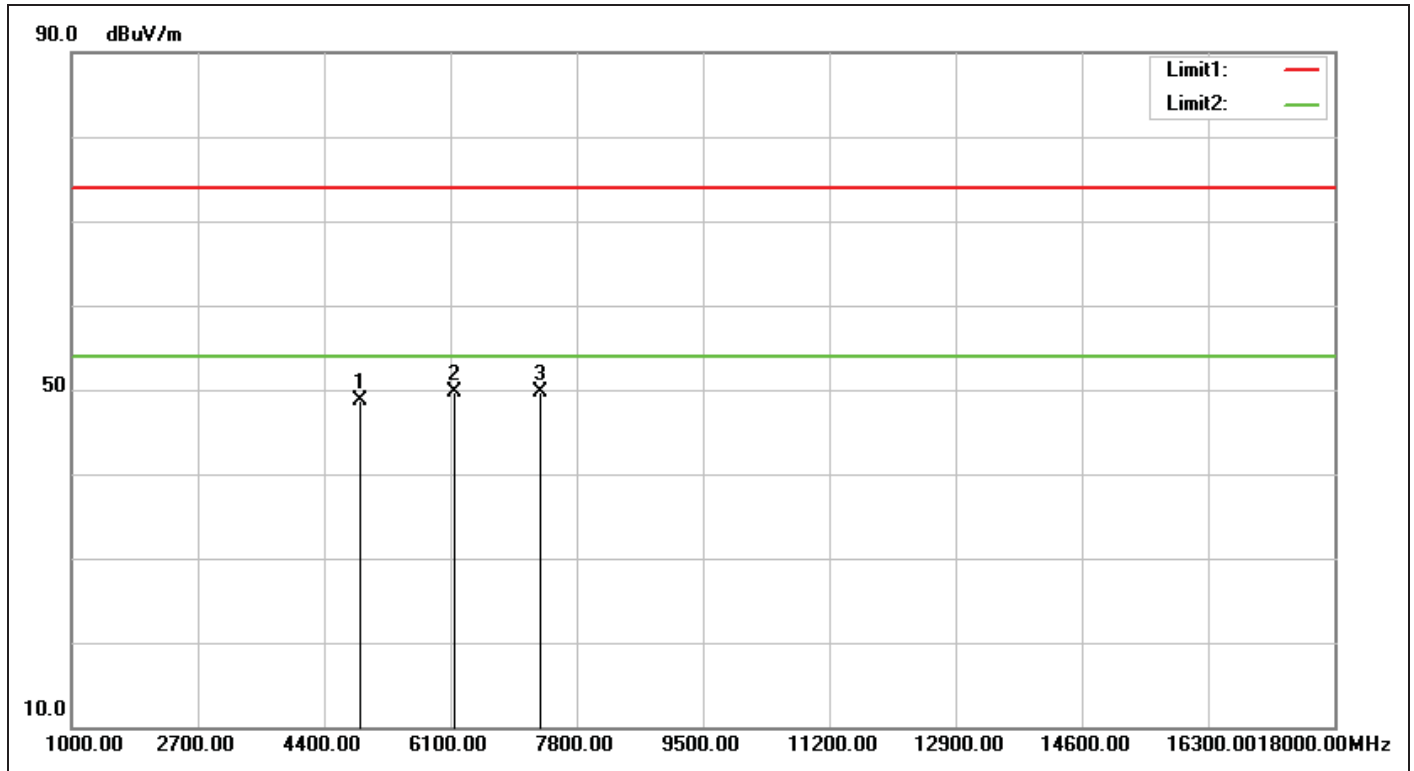
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 16:30:45
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	B-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.59	53.02	50.43	74.00	-23.57	peak	100	120	
2	6219.000	4.25	45.55	49.80	74.00	-24.20	peak	100	312	
3	7236.000	5.32	46.49	51.81	74.00	-22.19	peak	100	119	



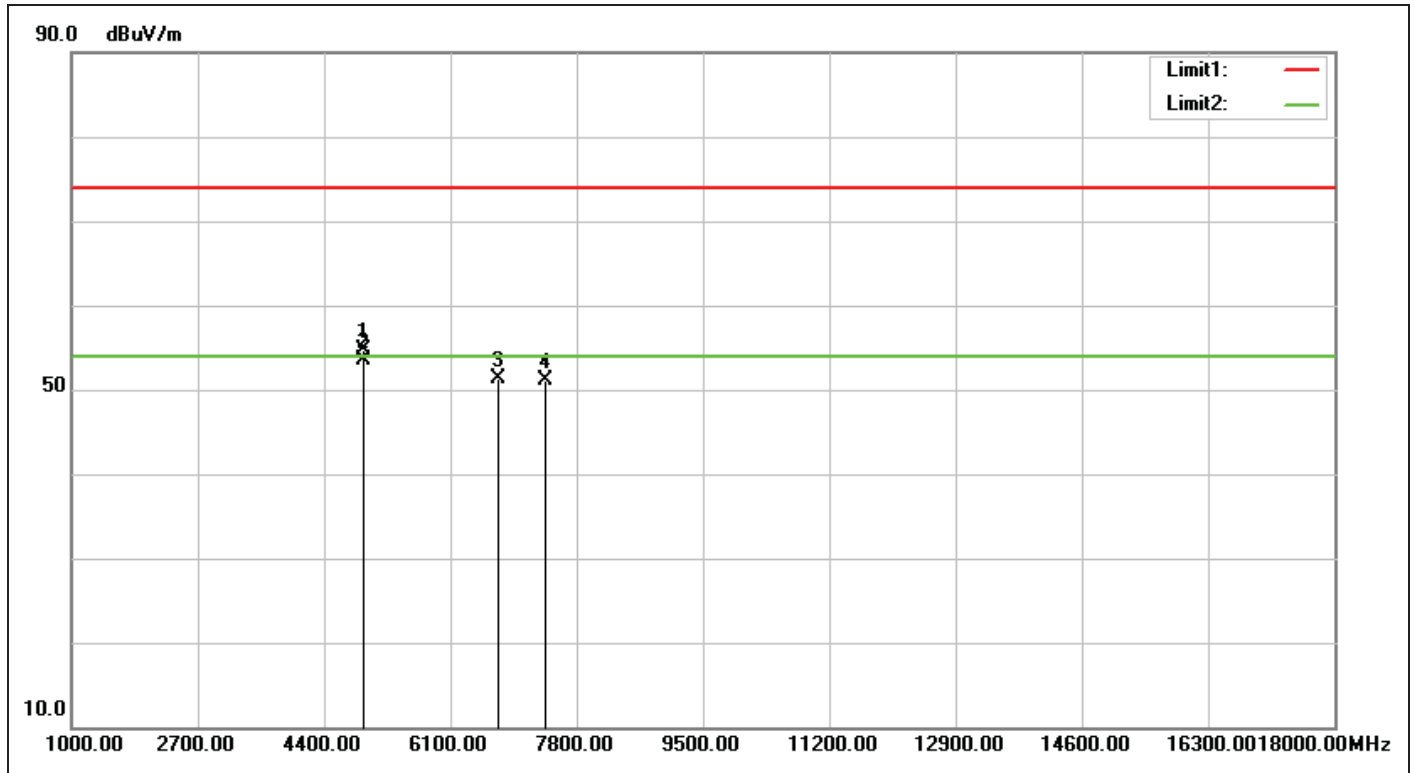
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 16:33:45
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	56.92	54.46	74.00	-19.54	peak	100	205	
2	4874.000	-2.46	55.94	53.48	54.00	-0.52	AVG	100	51	
3	6049.000	3.55	46.34	49.89	74.00	-24.11	peak	100	73	
4	7311.000	5.50	44.56	50.06	74.00	-23.94	peak	100	212	



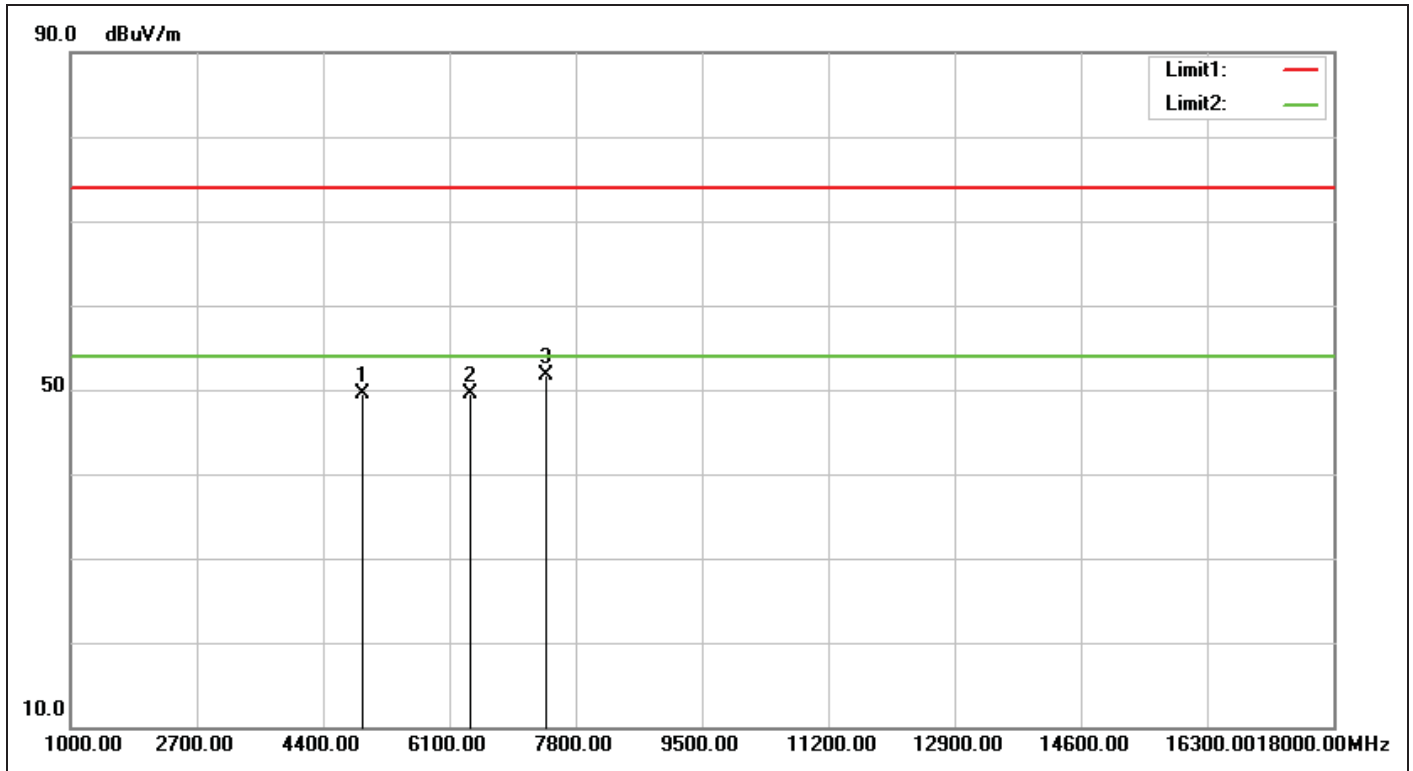
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 16:34:48
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	B-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	51.24	48.78	74.00	-25.22	peak	100	241	
2	6151.000	3.97	45.79	49.76	74.00	-24.24	peak	100	279	
3	7311.000	5.50	44.26	49.76	74.00	-24.24	peak	100	158	



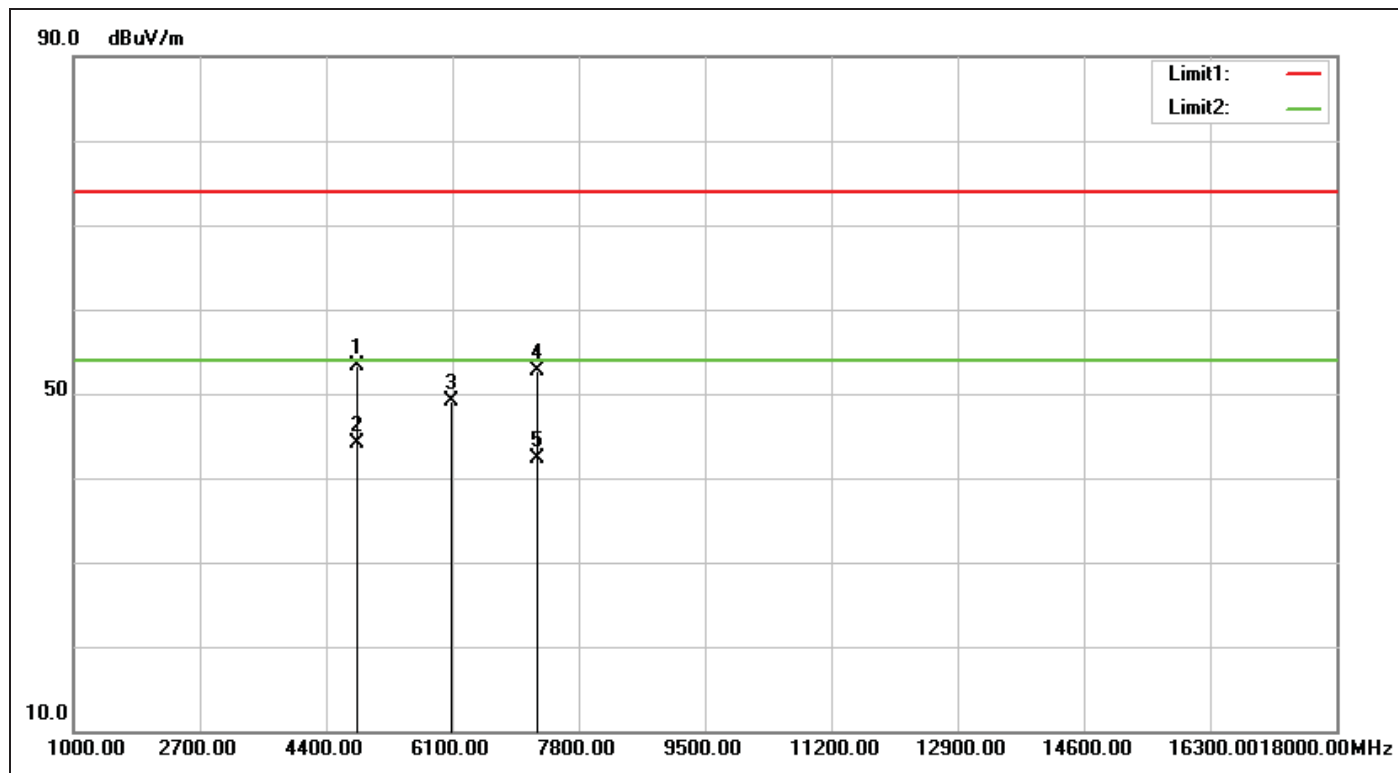
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 16:39:02
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.32	56.95	54.63	74.00	-19.37	peak	100	59	
2	4924.000	-2.32	55.73	53.41	54.00	-0.59	AVG	100	59	
3	6746.000	5.11	46.19	51.30	74.00	-22.70	peak	100	347	
4	7386.000	5.67	45.50	51.17	74.00	-22.83	peak	100	185	



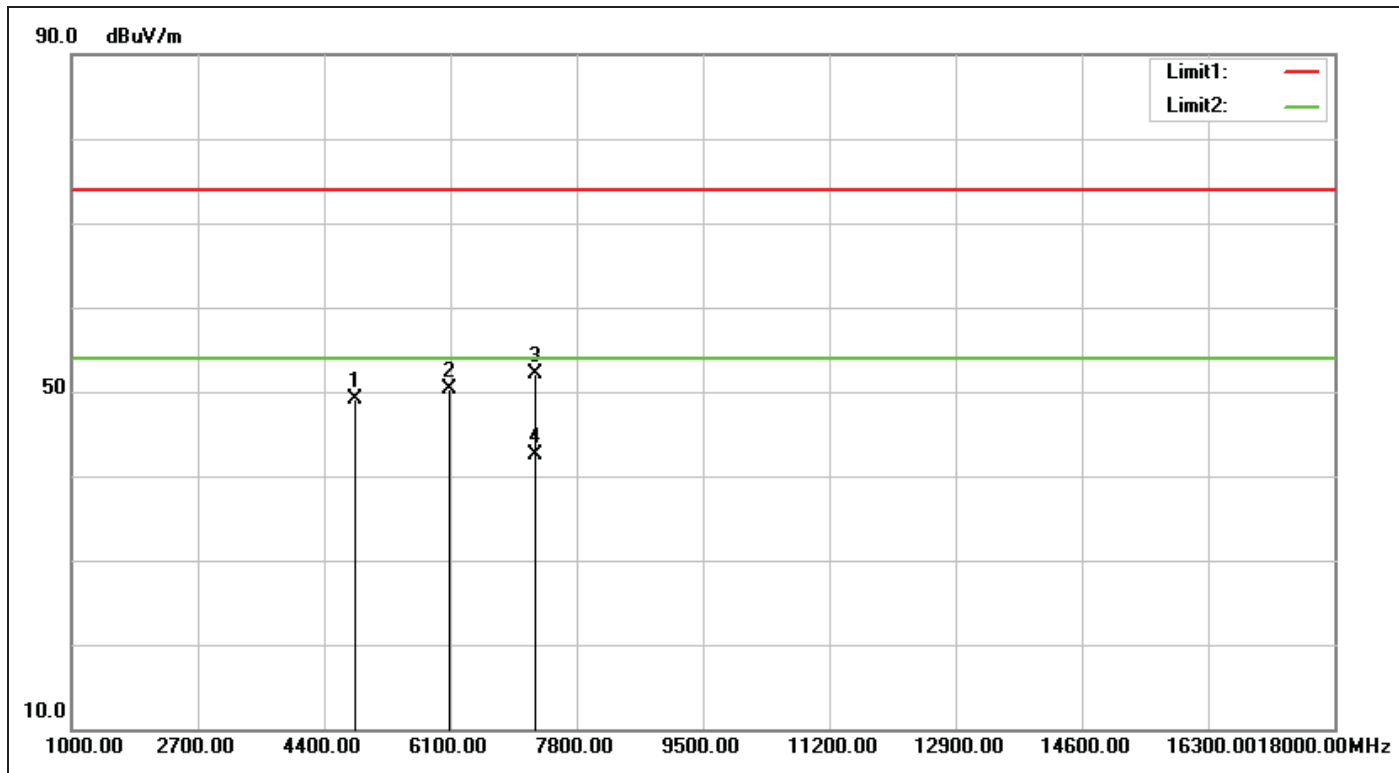
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 16:40:05
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	B-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.32	51.89	49.57	74.00	-24.43	peak	100	152	
2	6372.000	4.89	44.69	49.58	74.00	-24.42	peak	100	0	
3	7386.000	5.67	46.07	51.74	74.00	-22.26	peak	100	167	



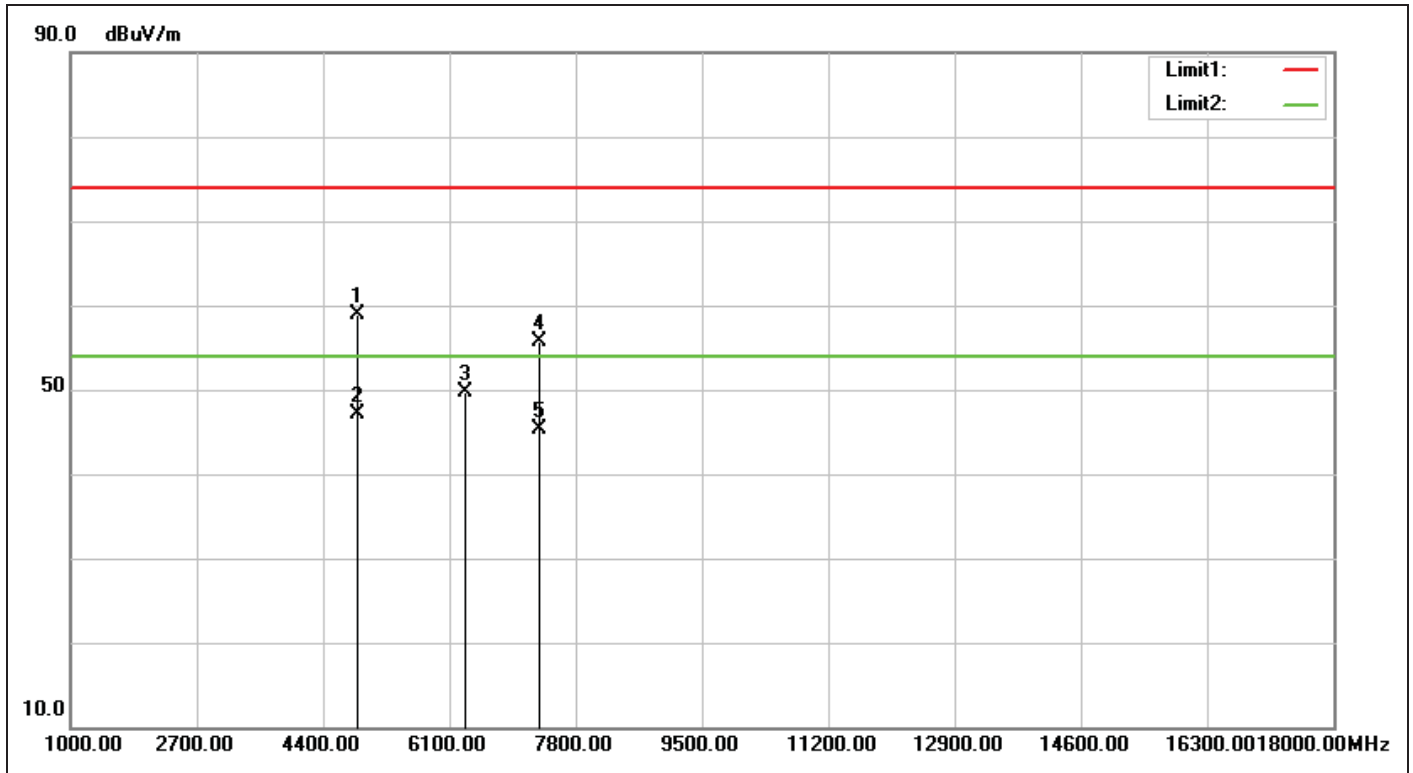
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 16:44:12
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.59	55.97	53.38	74.00	-20.62	peak	100	39	
2	4824.000	-2.59	46.77	44.18	54.00	-9.82	AVG	100	39	
3	6083.000	3.69	45.40	49.09	74.00	-24.91	peak	100	227	
4	7236.000	5.32	47.44	52.76	74.00	-21.24	peak	100	25	
5	7236.000	5.32	37.00	42.32	54.00	-11.68	AVG	100	25	



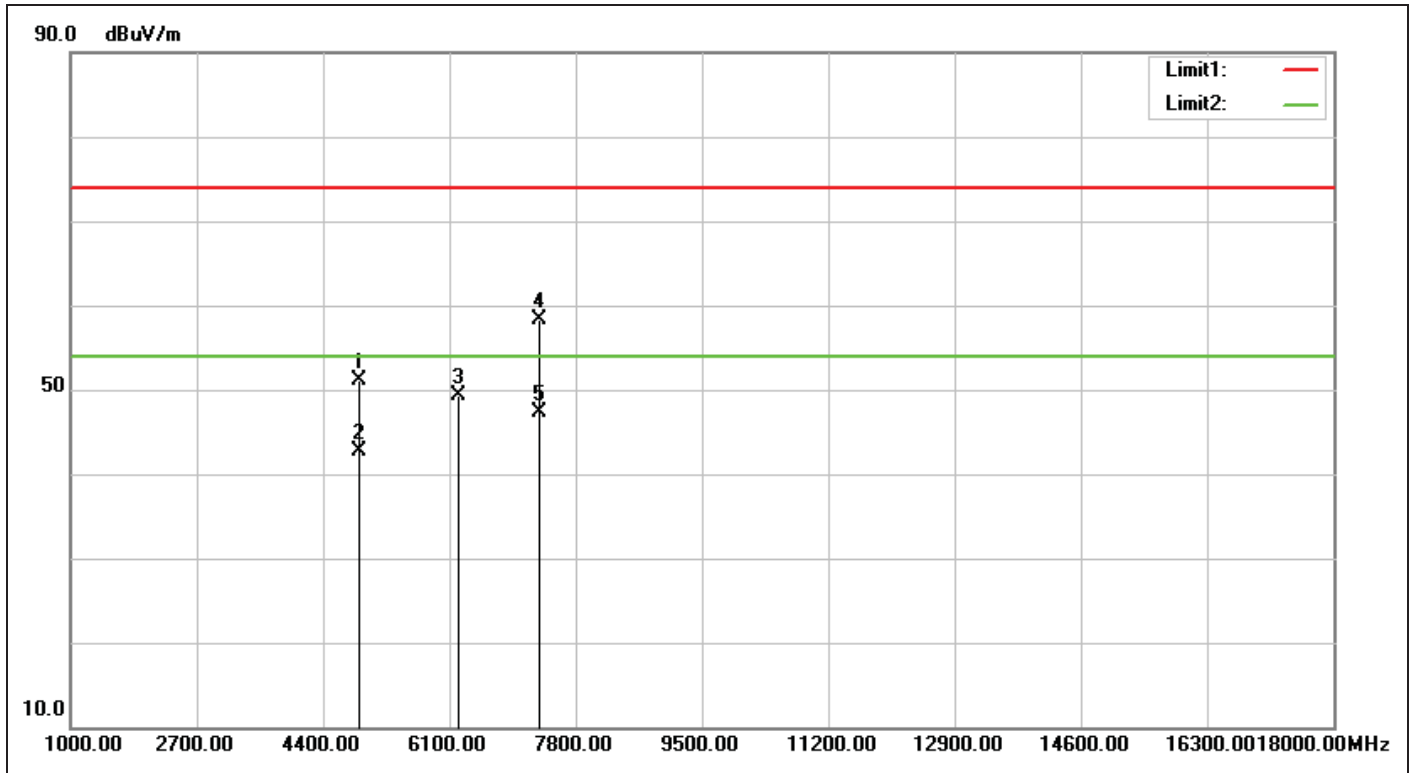
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 16:45:15
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	G-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.59	51.61	49.02	74.00	-24.98	peak	100	185	
2	6083.000	3.69	46.66	50.35	74.00	-23.65	peak	100	210	
3	7236.000	5.32	46.69	52.01	74.00	-21.99	peak	100	58	
4	7236.000	5.32	37.24	42.56	54.00	-11.44	AVG	100	58	



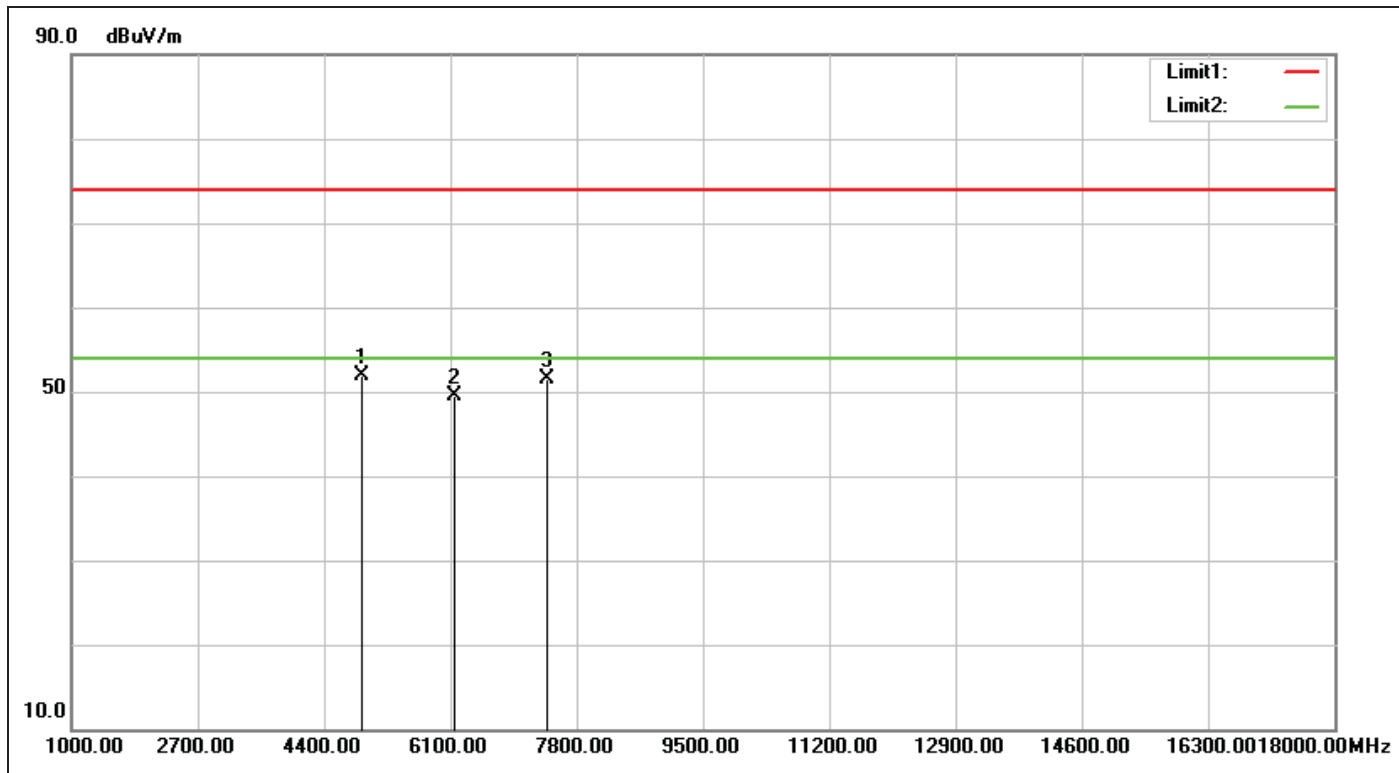
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 16:58:20
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	61.43	58.97	74.00	-15.03	peak	100	39	
2	4874.000	-2.46	49.53	47.07	54.00	-6.93	AVG	100	39	
3	6321.000	4.68	45.12	49.80	74.00	-24.20	peak	100	217	
4	7311.000	5.50	50.25	55.75	74.00	-18.25	peak	100	23	
5	7311.000	5.50	39.77	45.27	54.00	-8.73	AVG	100	23	



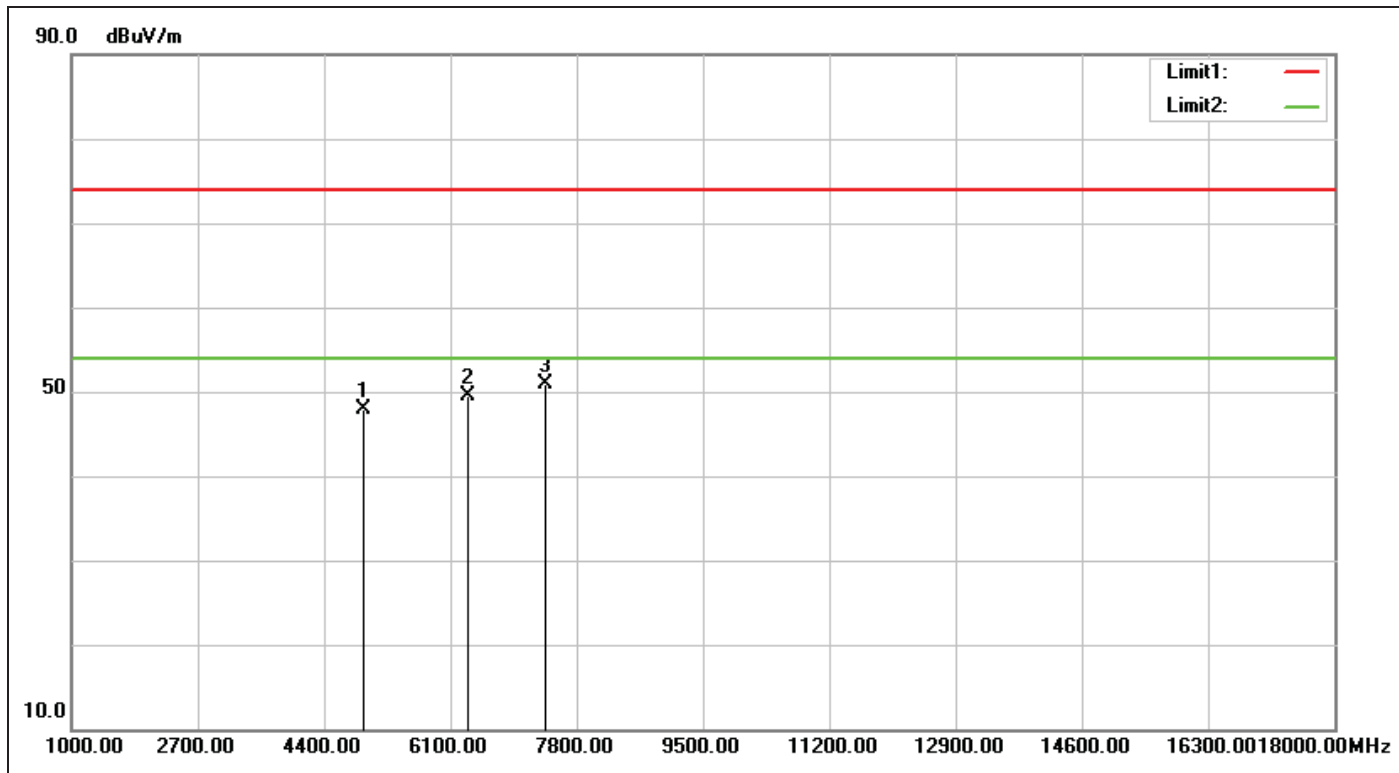
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 16:59:23
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	G-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	53.62	51.16	74.00	-22.84	peak	100	324	
2	4874.000	-2.46	45.15	42.69	54.00	-11.31	AVG	100	324	
3	6219.000	4.25	45.08	49.33	74.00	-24.67	peak	100	268	
4	7311.000	5.50	52.79	58.29	74.00	-15.71	peak	100	58	
5	7311.000	5.50	41.75	47.25	54.00	-6.75	AVG	100	58	



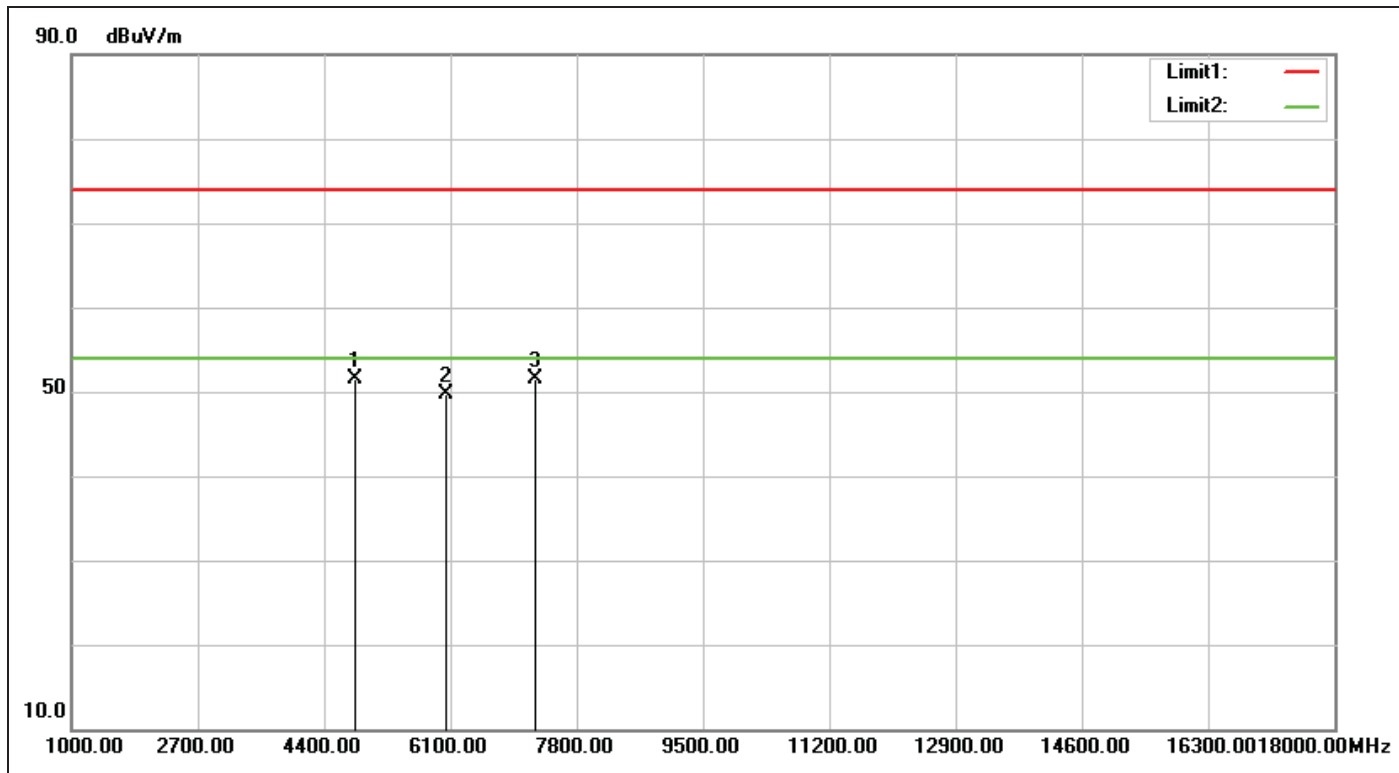
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 17:05:21
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.32	54.19	51.87	74.00	-22.13	peak	100	208	
2	6151.000	3.97	45.45	49.42	74.00	-24.58	peak	100	357	
3	7386.000	5.67	45.86	51.53	74.00	-22.47	peak	100	211	



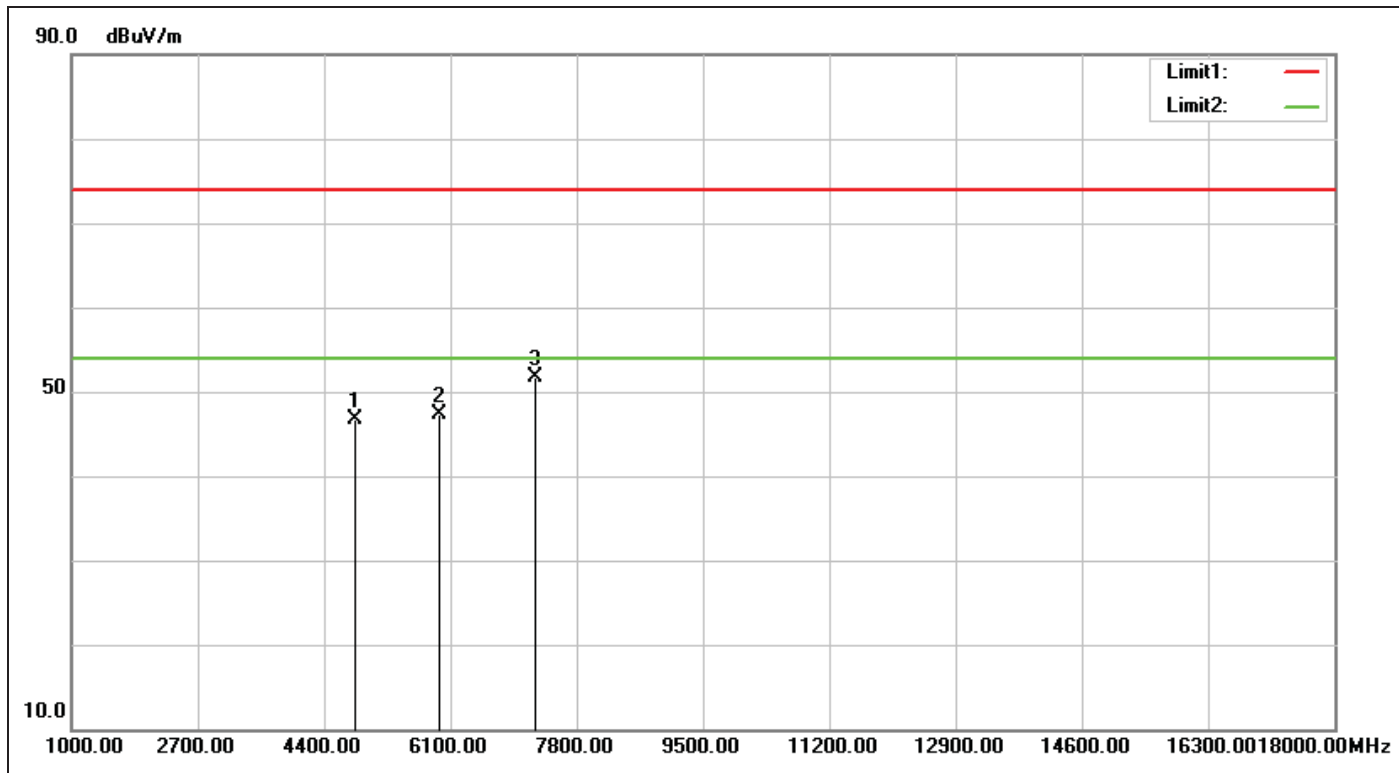
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 17:06:23
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	G-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.32	50.25	47.93	74.00	-26.07	peak	100	185	
2	6338.000	4.76	44.65	49.41	74.00	-24.59	peak	100	252	
3	7386.000	5.67	45.17	50.84	74.00	-23.16	peak	100	234	



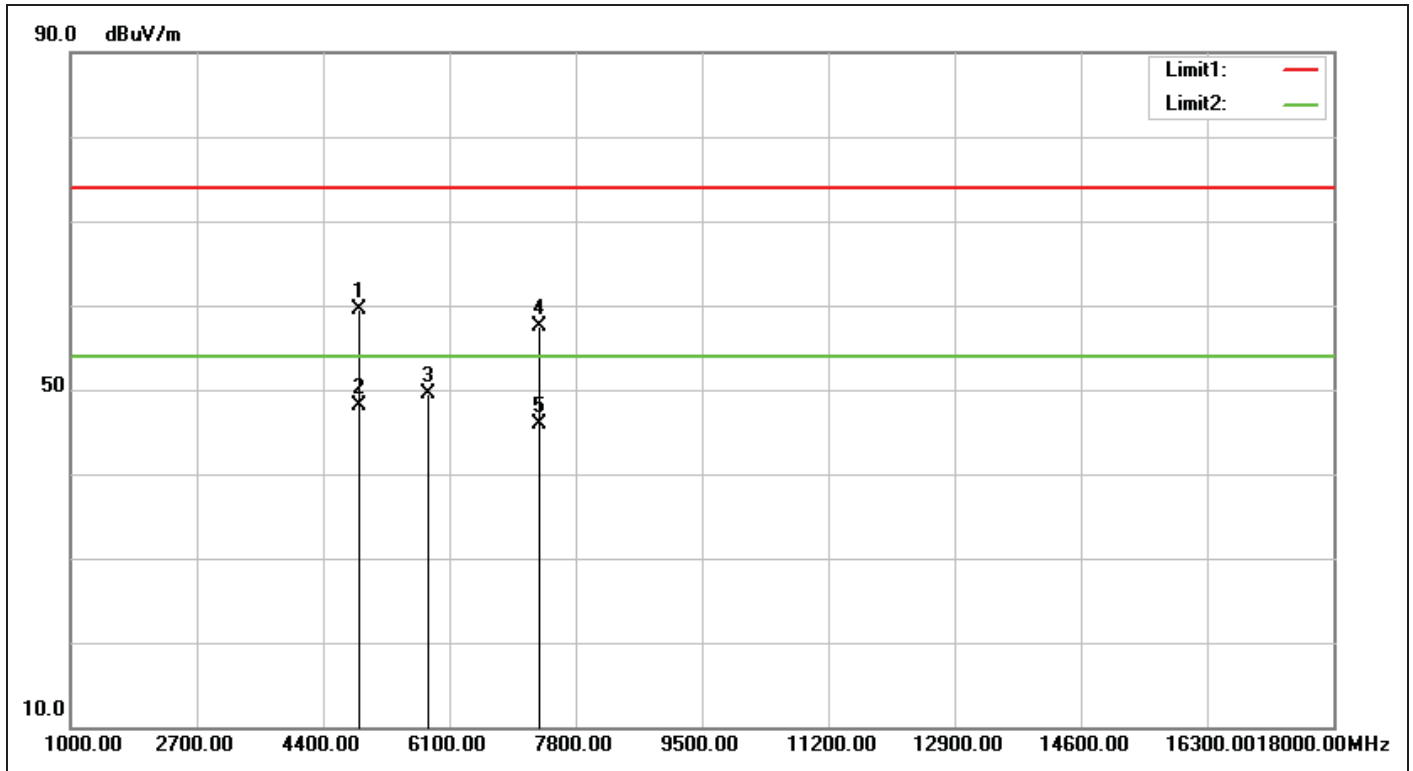
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 17:09:46
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	N20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.59	54.15	51.56	74.00	-22.44	peak	100	173	
2	6049.000	3.55	46.09	49.64	74.00	-24.36	peak	100	314	
3	7236.000	5.32	46.22	51.54	74.00	-22.46	peak	100	221	



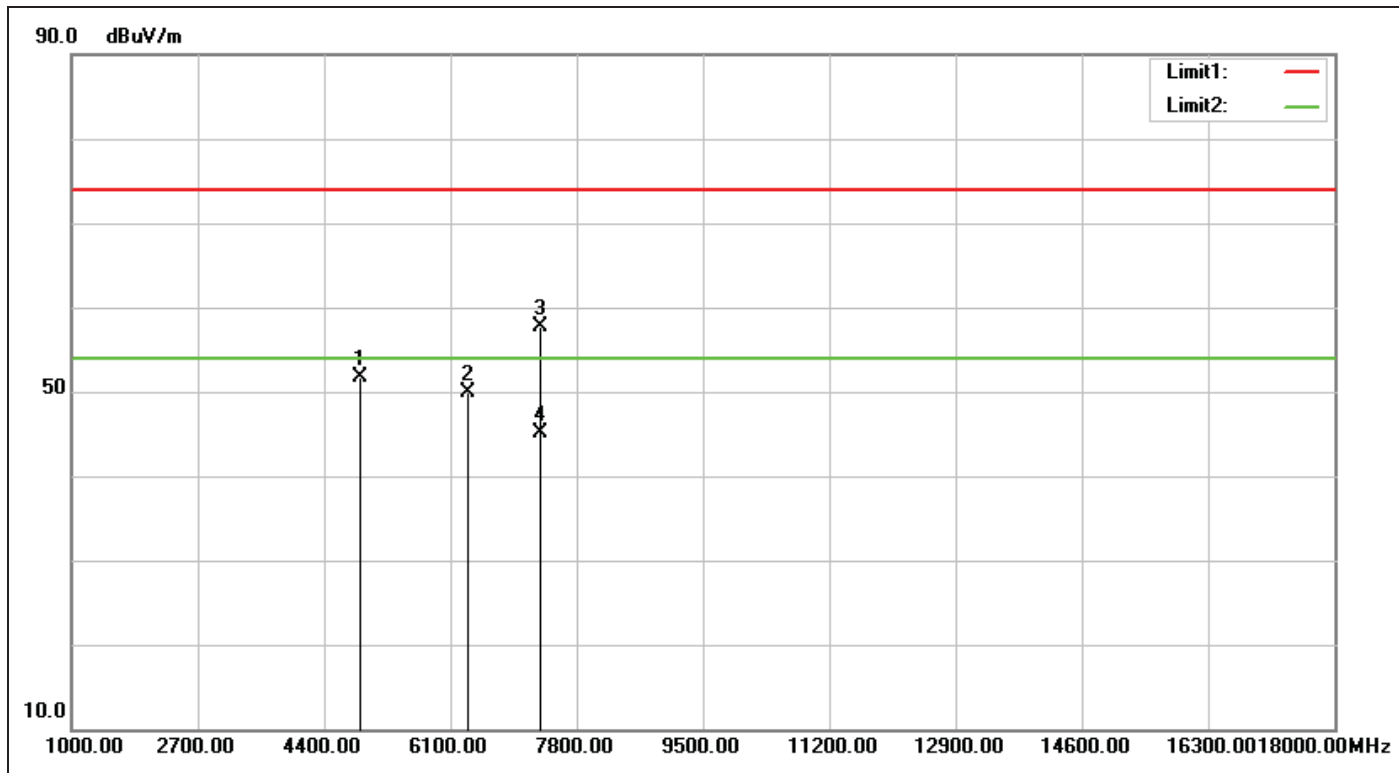
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 17:10:49
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	N20-2412-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4824.000	-2.59	49.21	46.62	74.00	-27.38	peak	100	264	
2	5947.000	3.01	44.23	47.24	74.00	-26.76	peak	100	16	
3	7236.000	5.32	46.44	51.76	74.00	-22.24	peak	100	209	



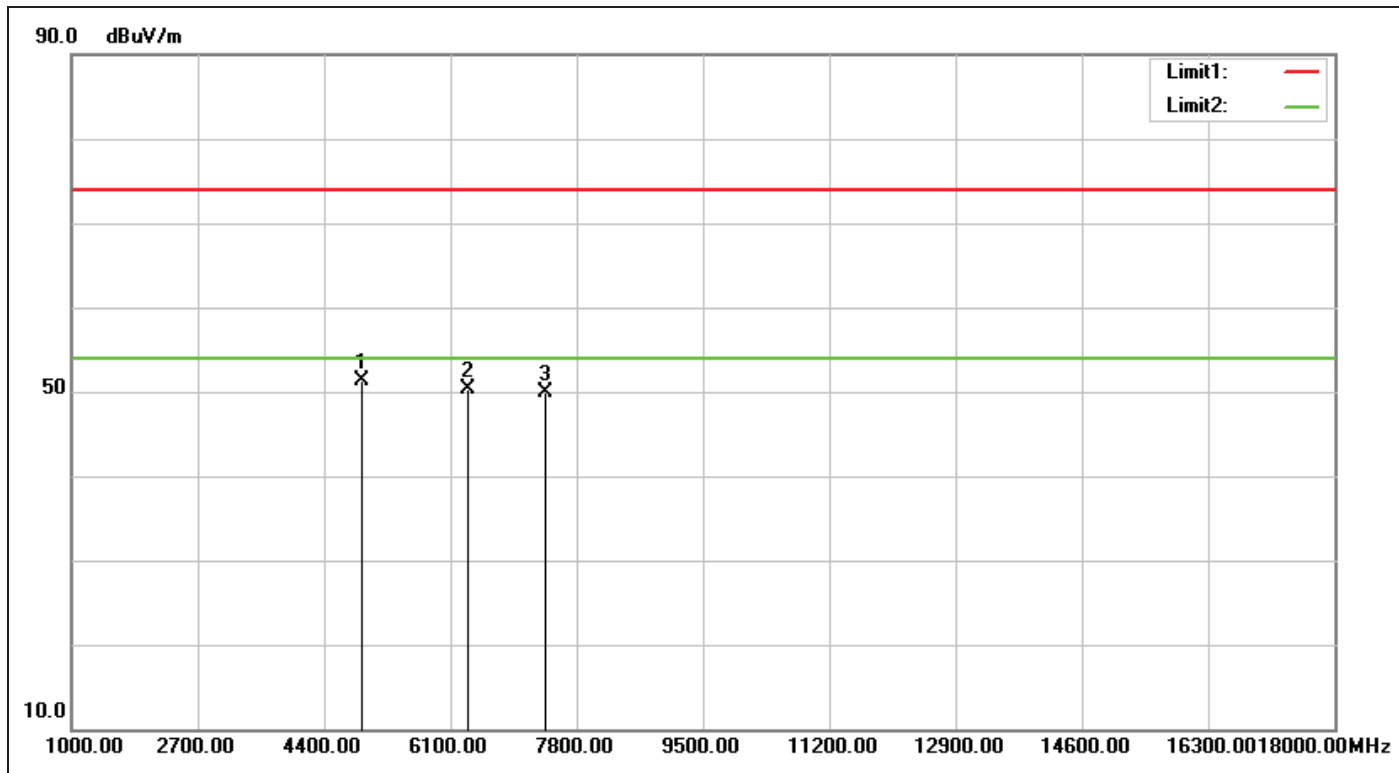
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 17:13:45
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	N20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	61.92	59.46	74.00	-14.54	peak	100	39	
2	4874.000	-2.46	50.61	48.15	54.00	-5.85	AVG	100	39	
3	5811.000	2.15	47.33	49.48	74.00	-24.52	peak	100	89	
4	7311.000	5.50	52.00	57.50	74.00	-16.50	peak	100	25	
5	7311.000	5.50	40.48	45.98	54.00	-8.02	AVG	100	25	



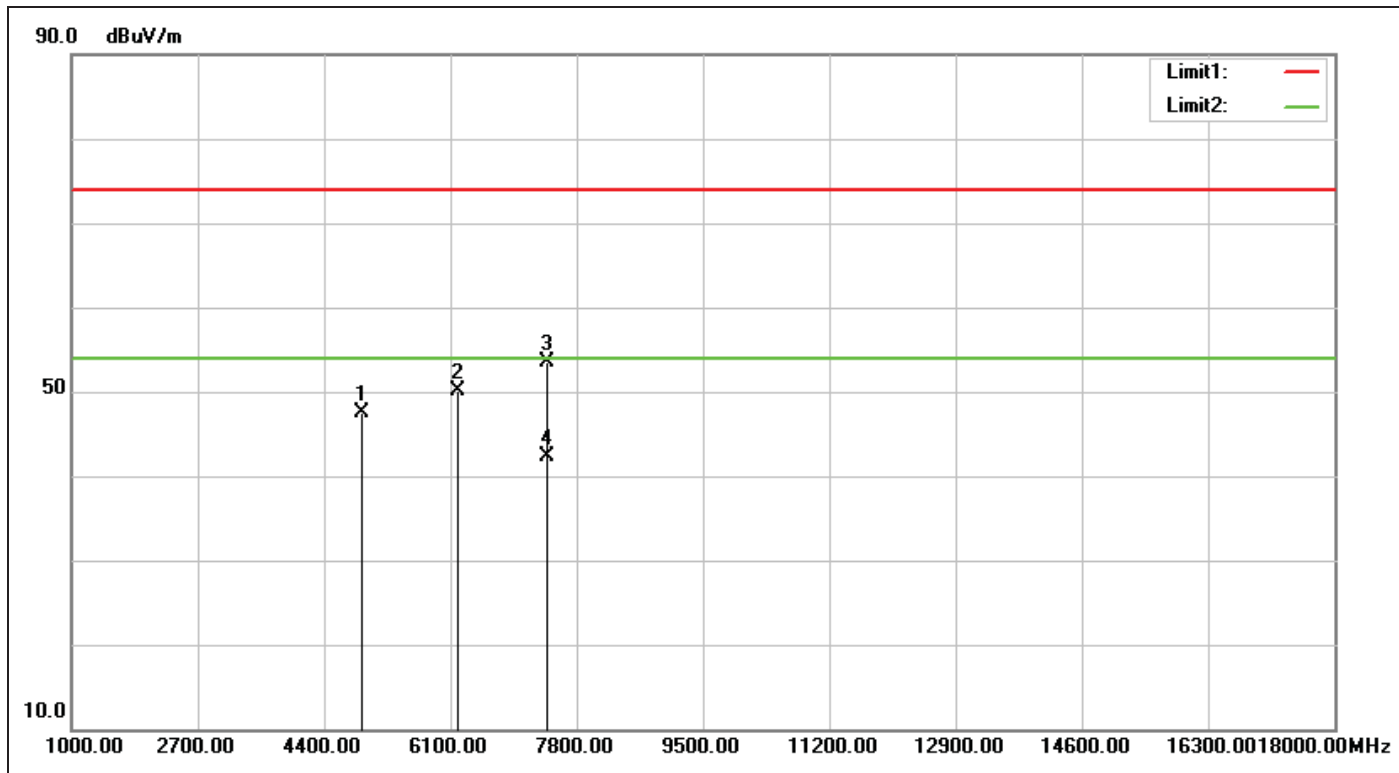
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 17:14:49
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	N20-2437-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4874.000	-2.46	54.13	51.67	74.00	-22.33	peak	100	64	
2	6338.000	4.76	45.09	49.85	74.00	-24.15	peak	100	88	
3	7311.000	5.50	52.29	57.79	74.00	-16.21	peak	100	66	
4	7311.000	5.50	39.60	45.10	54.00	-8.90	AVG	100	66	



Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 17:19:26
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	N20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.32	53.68	51.36	74.00	-22.64	peak	100	141	
2	6338.000	4.76	45.48	50.24	74.00	-23.76	peak	100	359	
3	7386.000	5.67	44.20	49.87	74.00	-24.13	peak	100	119	



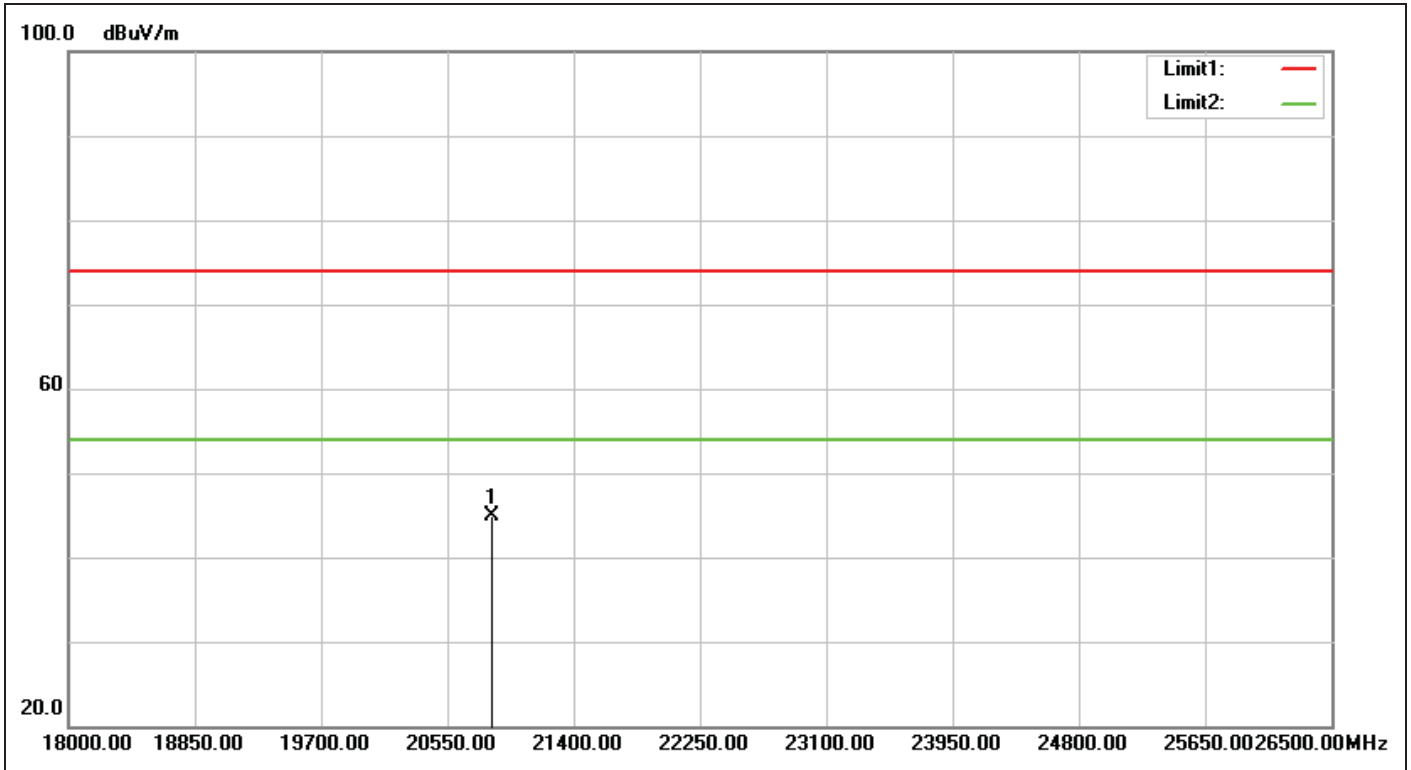
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 17:20:29
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Amy Hsu
Test Mode:	N20-2462-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4924.000	-2.32	49.77	47.45	74.00	-26.55	peak	100	132	
2	6202.000	4.18	45.87	50.05	74.00	-23.95	peak	100	265	
3	7386.000	5.67	47.89	53.56	74.00	-20.44	peak	100	57	
4	7386.000	5.67	36.64	42.31	54.00	-11.69	AVG	100	57	

Spurious Emissions, TX Mode, 18-26G

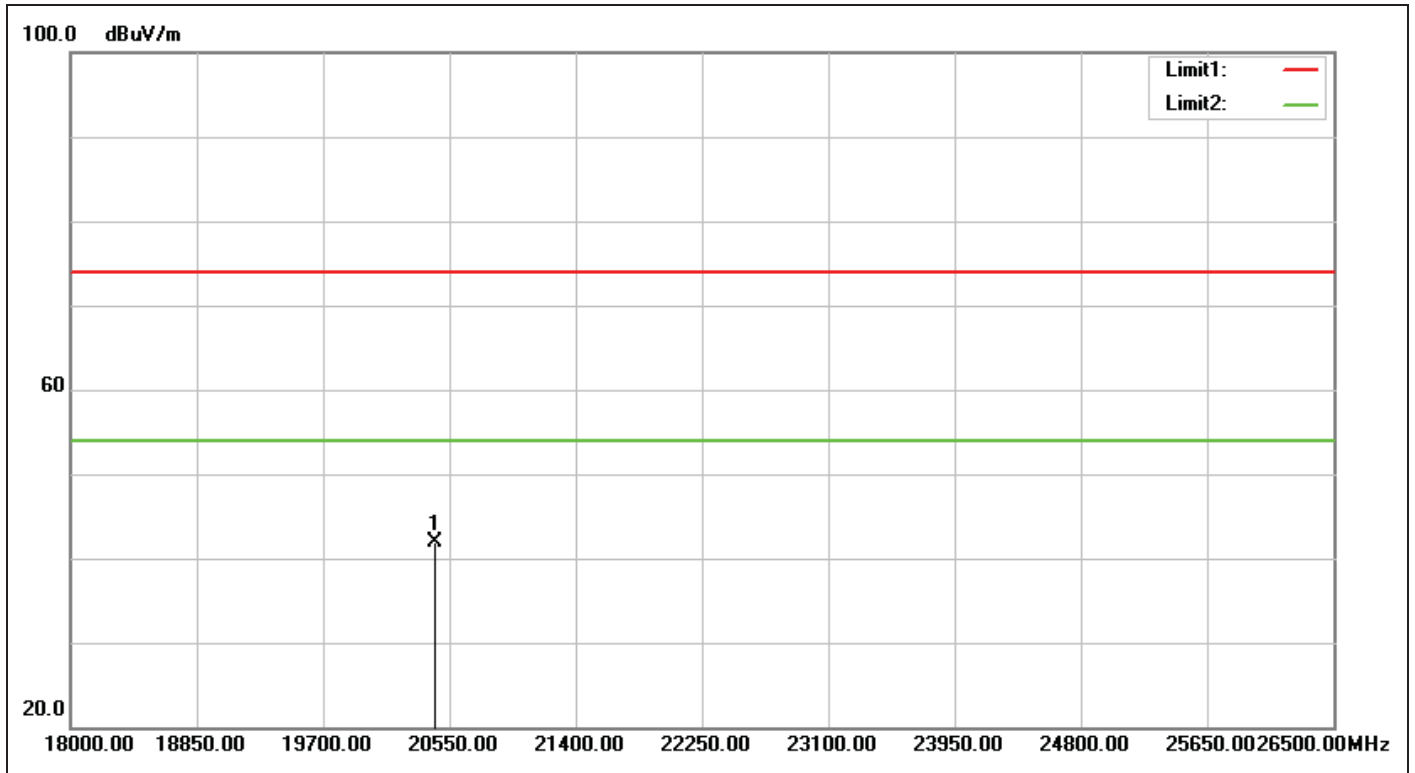


TUV Rheinland Taiwan Ltd.
 11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
 Tel:+886-2172-7000 fax:+886-2528-0018



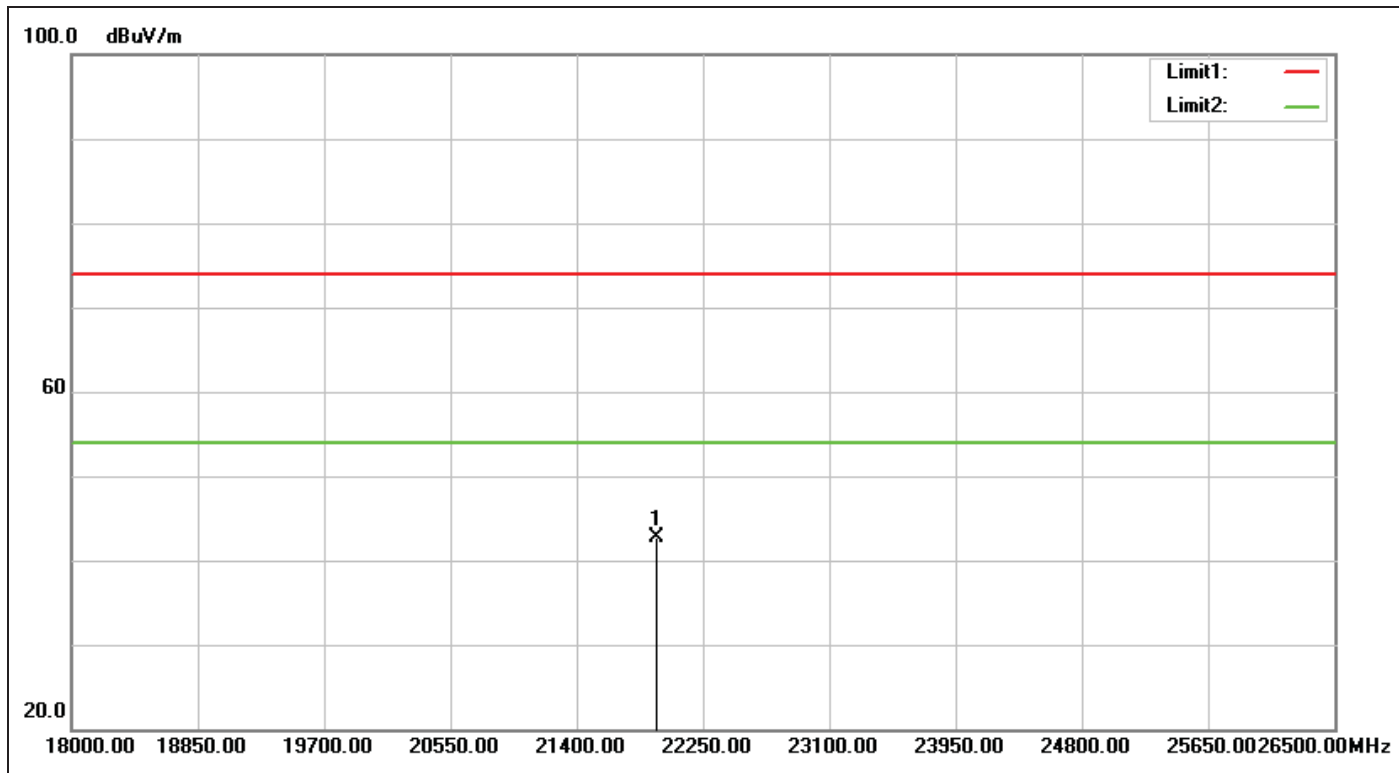
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 20:39:01
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20847.500	4.61	40.33	44.94	74.00	-29.06	peak	100	158	



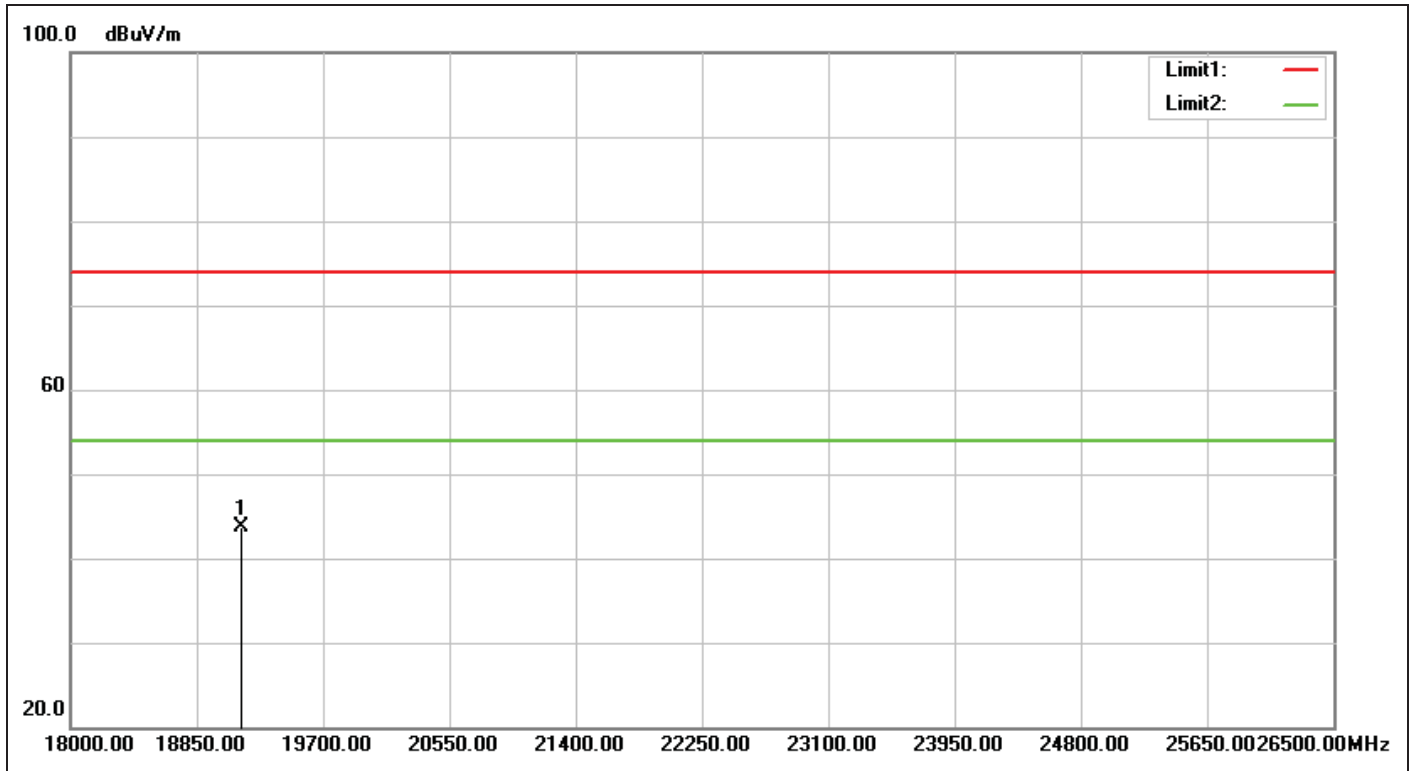
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 20:40:03
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2412		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20456.500	4.20	37.72	41.92	74.00	-32.08	peak	100	177	



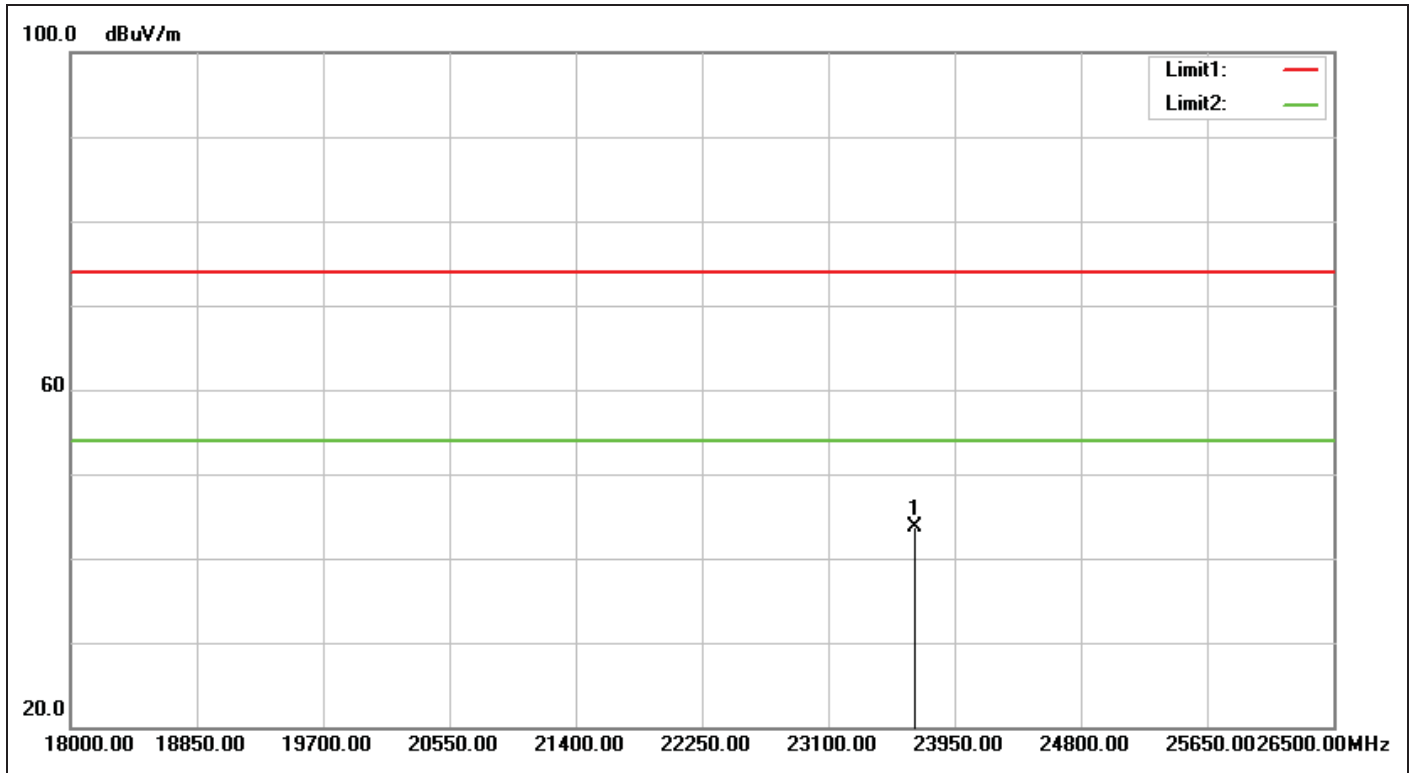
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 20:42:04
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21935.500	4.11	38.69	42.80	74.00	-31.20	peak	100	183	



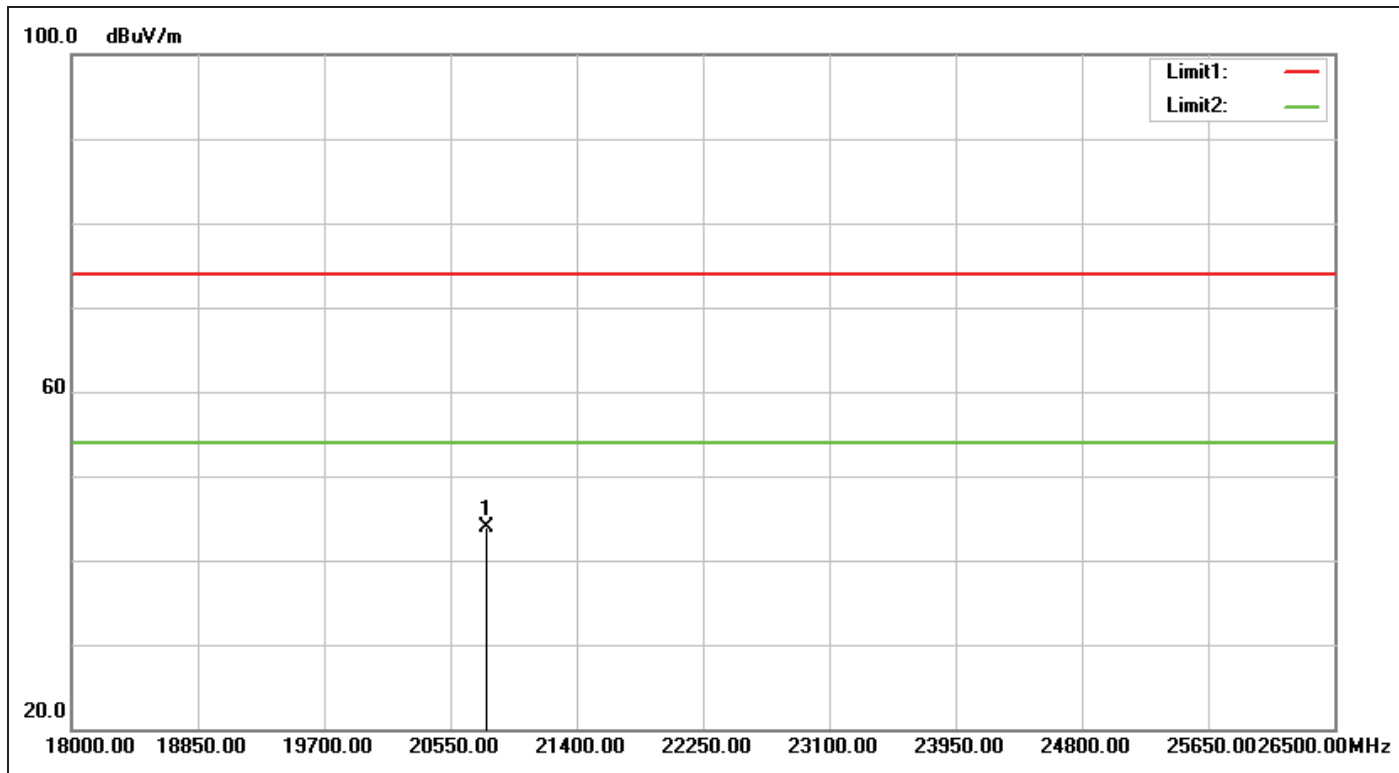
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 20:43:07
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19147.500	4.24	39.46	43.70	74.00	-30.30	peak	100	1	



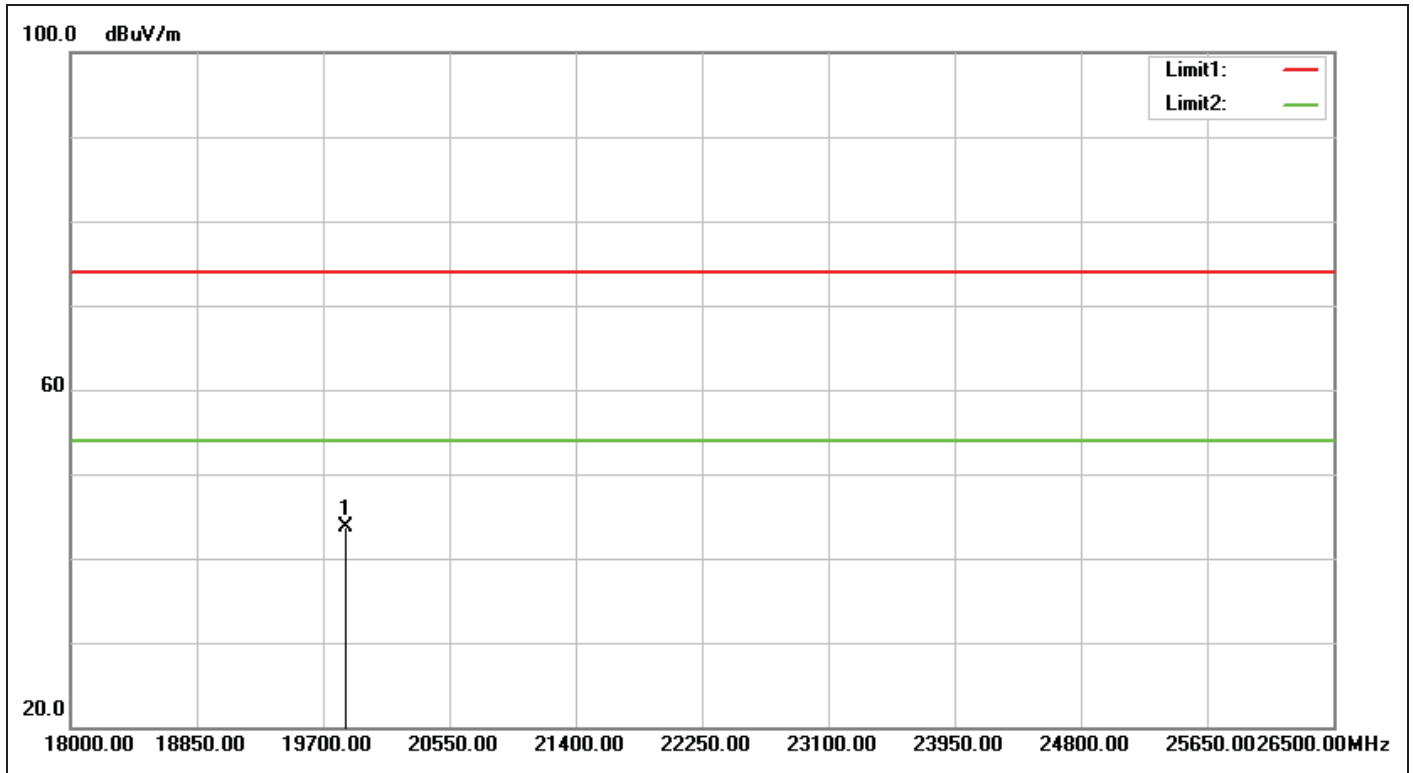
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 20:45:49
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23686.500	5.71	38.05	43.76	74.00	-30.24	peak	100	54	



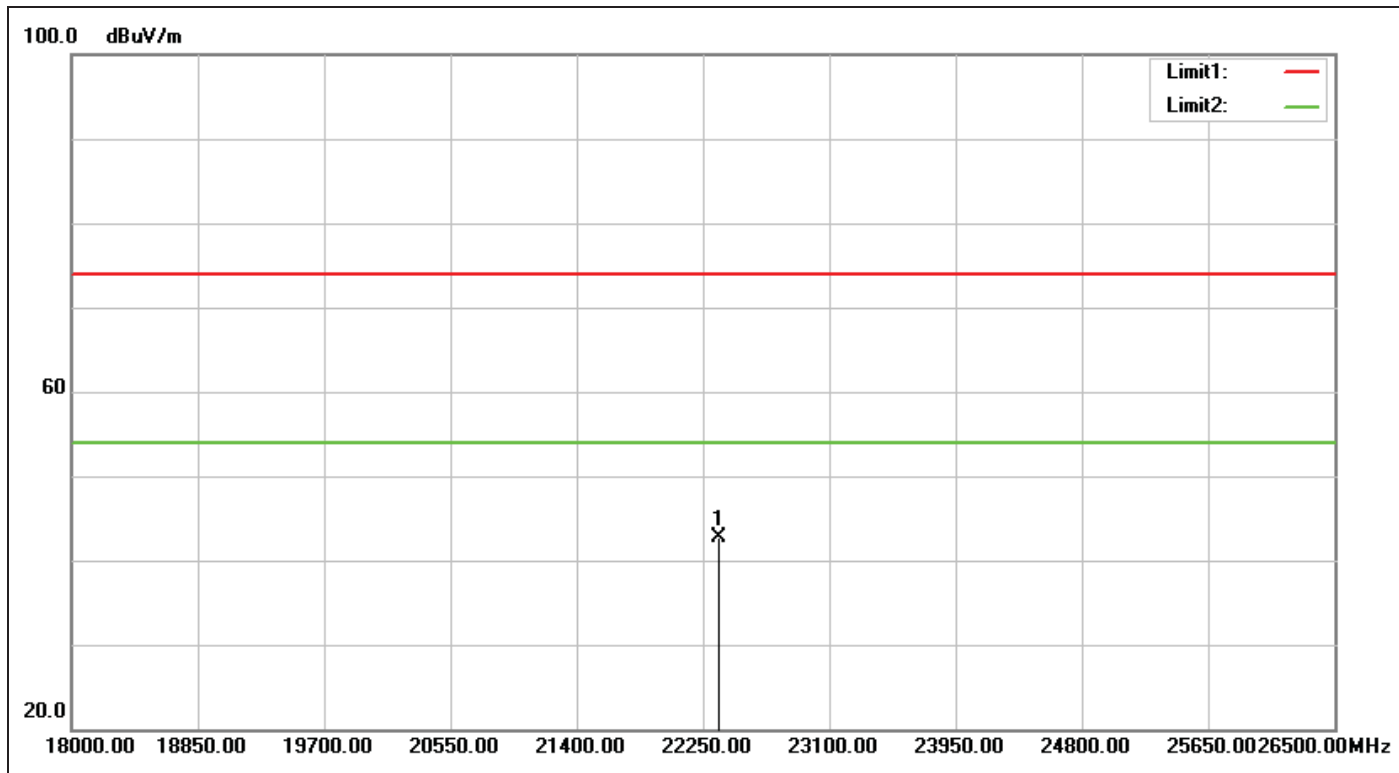
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 20:46:52
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2462		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20796.500	4.55	39.29	43.84	74.00	-30.16	peak	100	290	



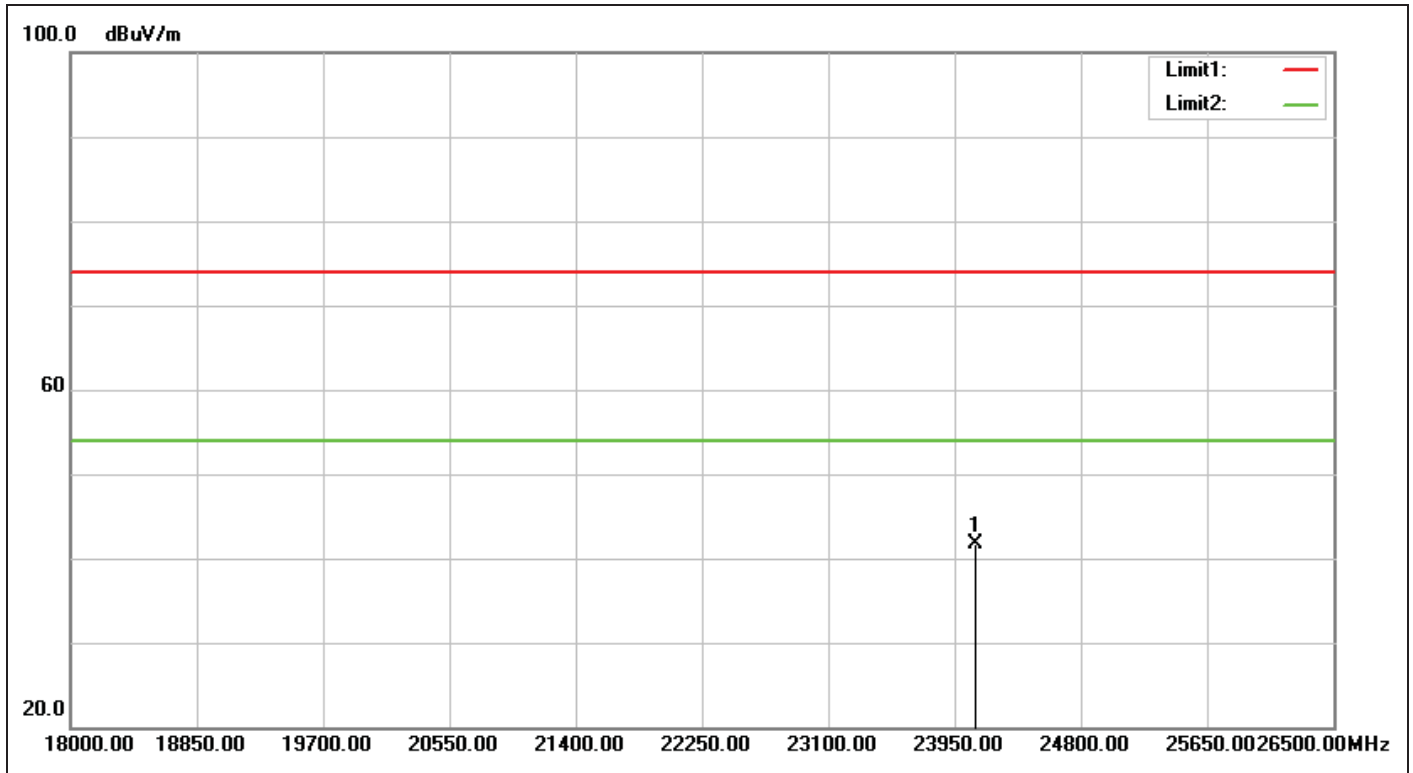
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 20:48:18
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19853.000	4.13	39.53	43.66	74.00	-30.34	peak	100	333	



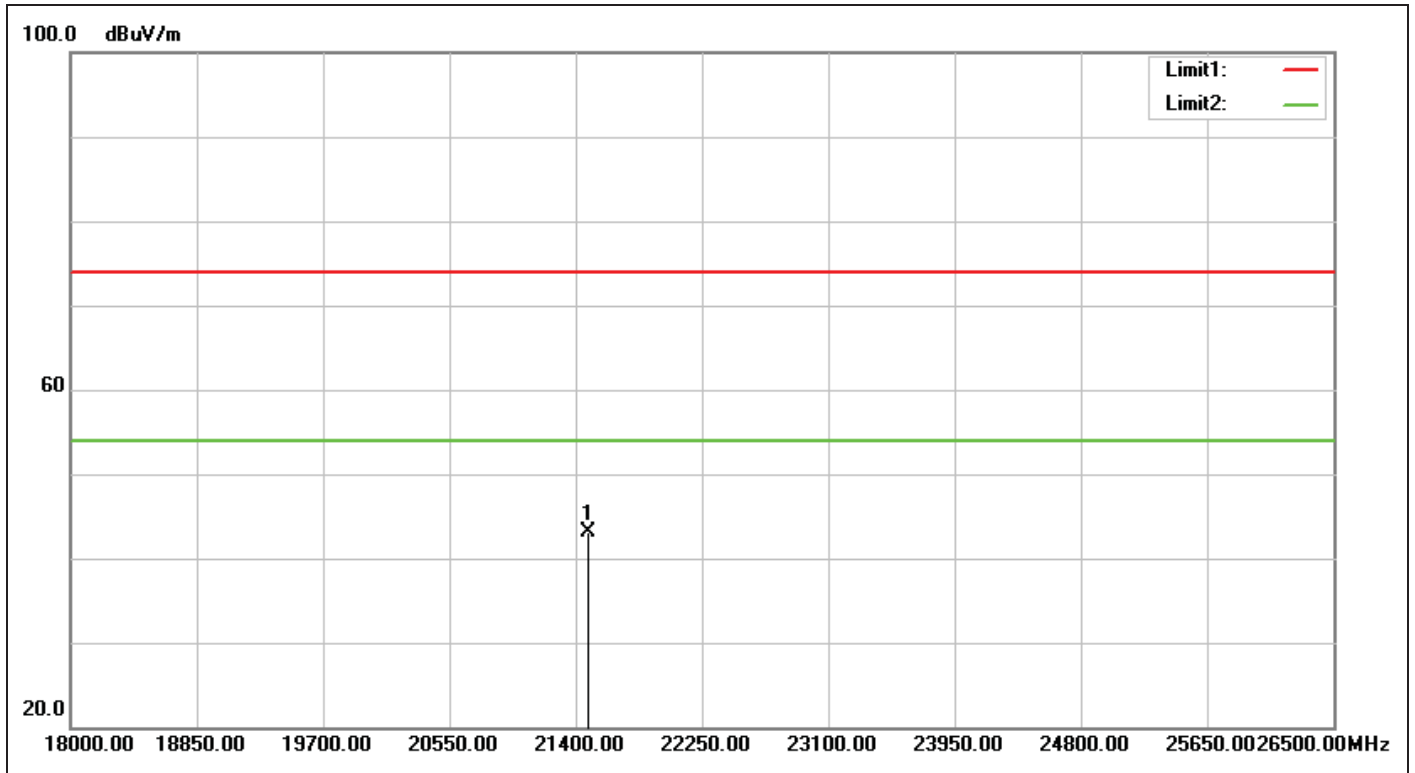
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 20:49:20
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2412		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22360.500	4.49	38.16	42.65	74.00	-31.35	peak	100	191	



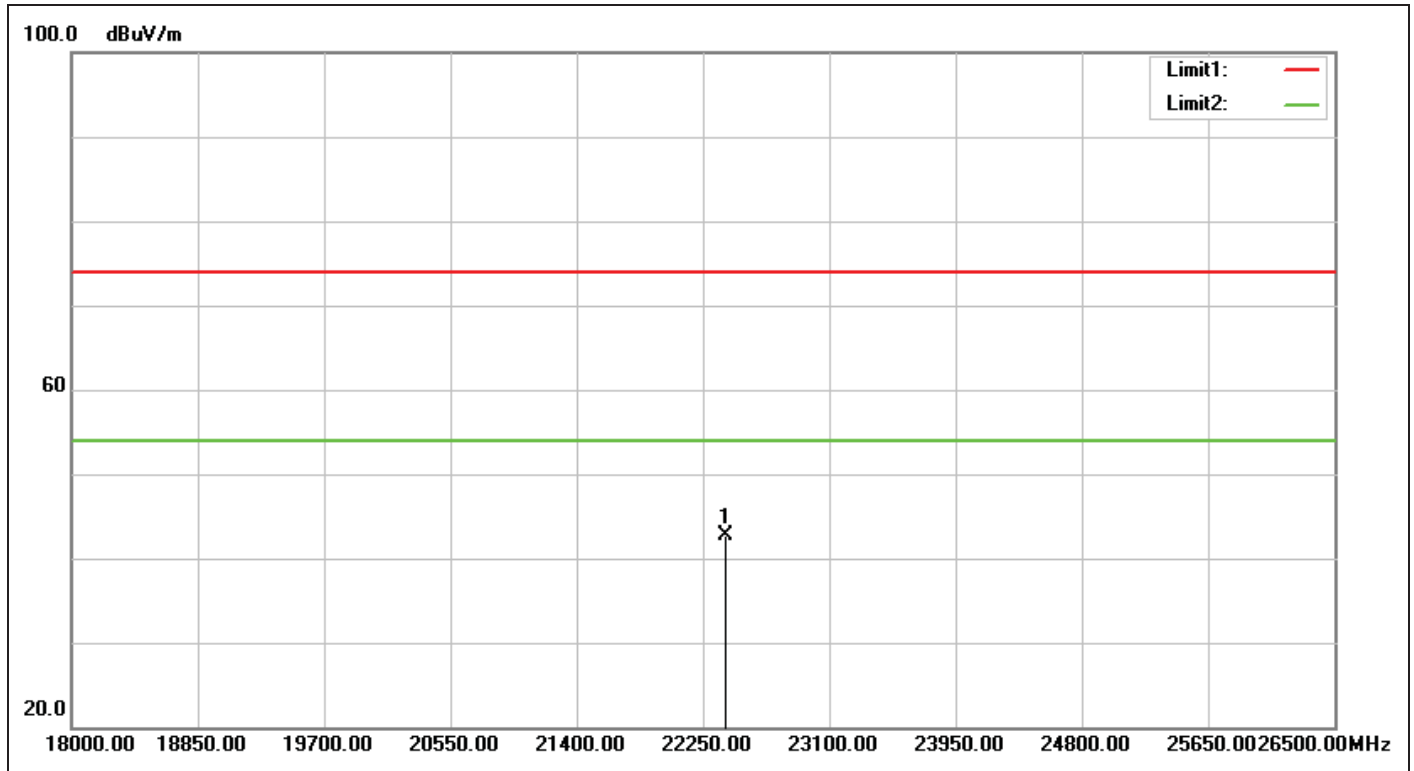
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 20:51:15
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24094.500	5.39	36.39	41.78	74.00	-32.22	peak	100	189	



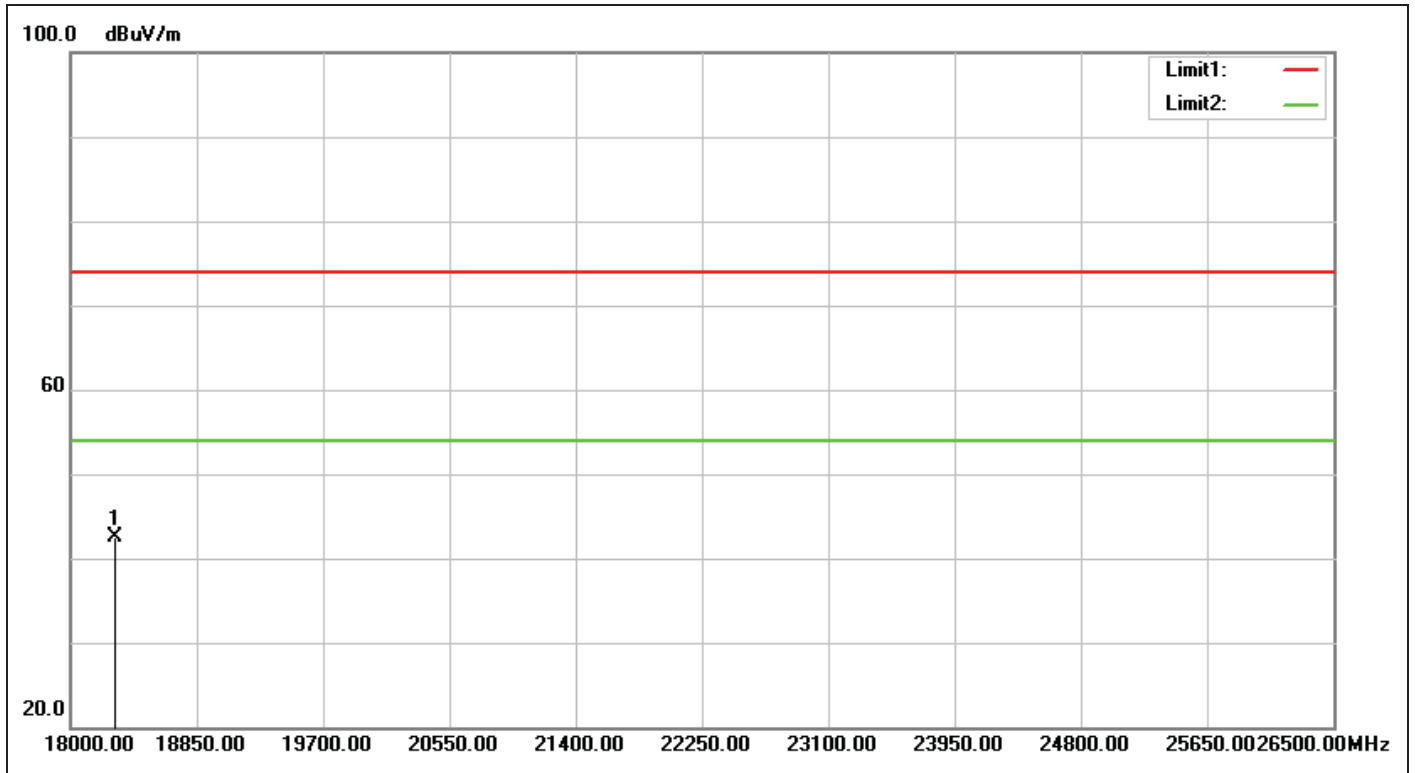
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 20:52:17
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21485.000	4.34	38.82	43.16	74.00	-30.84	peak	100	27	



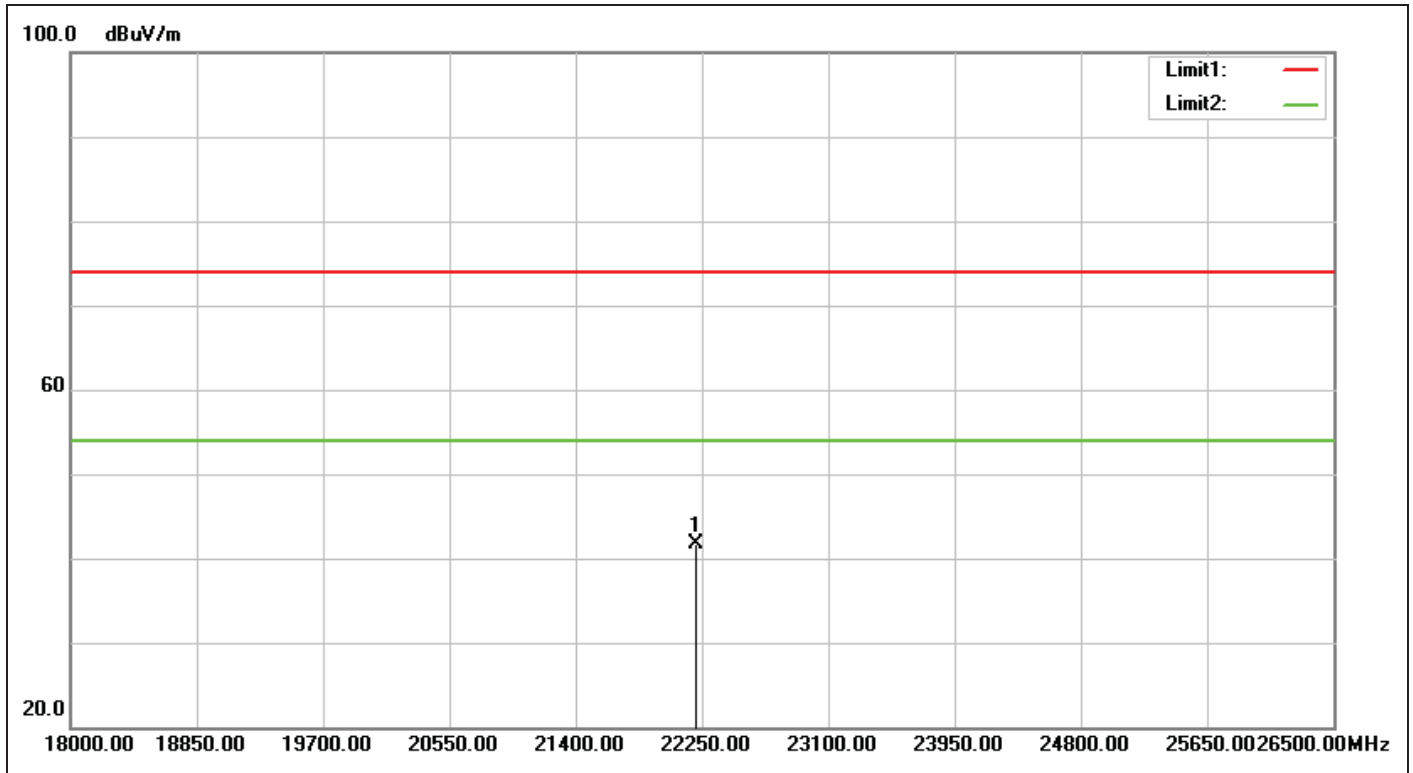
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 20:54:09
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22403.000	4.54	38.22	42.76	74.00	-31.24	peak	100	242	



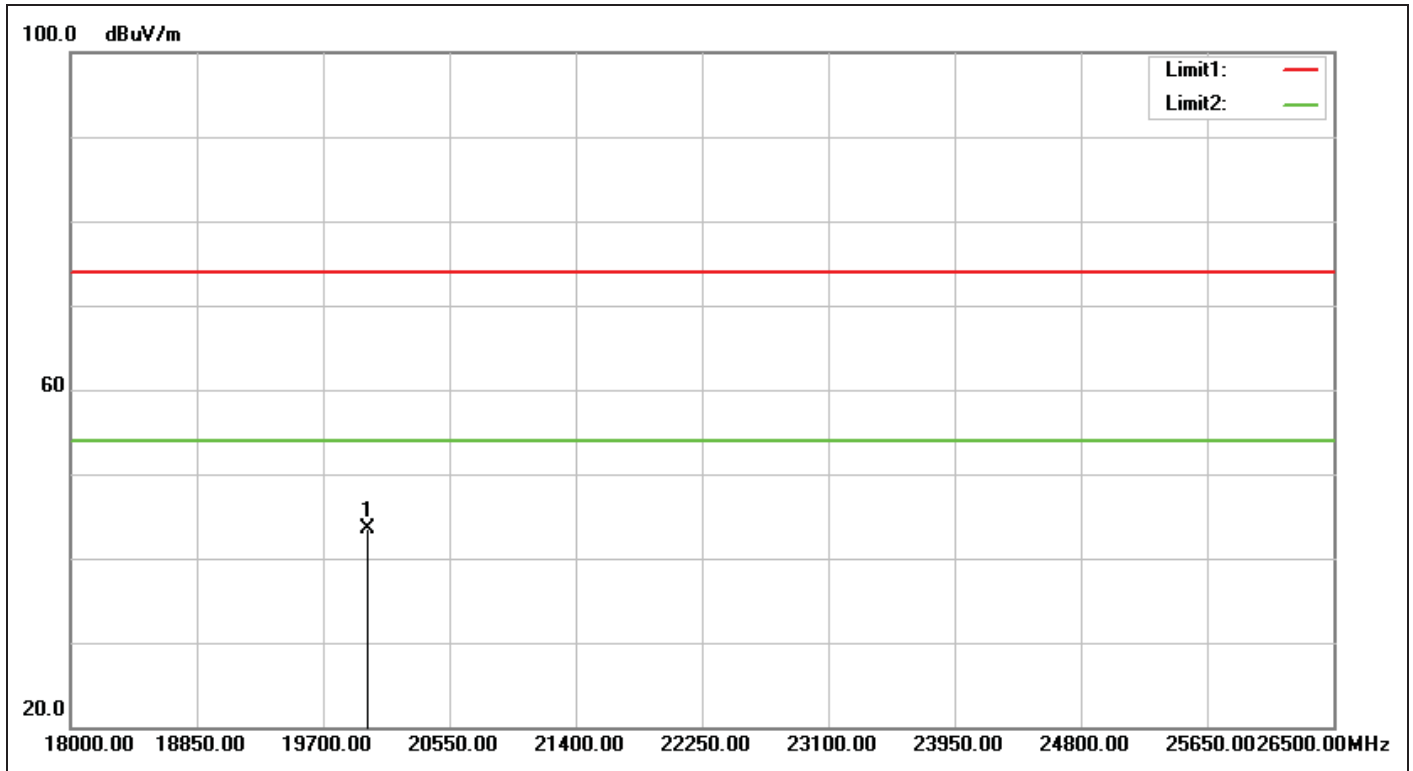
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 20:55:11
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	G-TX-2462		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18297.500	4.14	38.42	42.56	74.00	-31.44	peak	100	61	



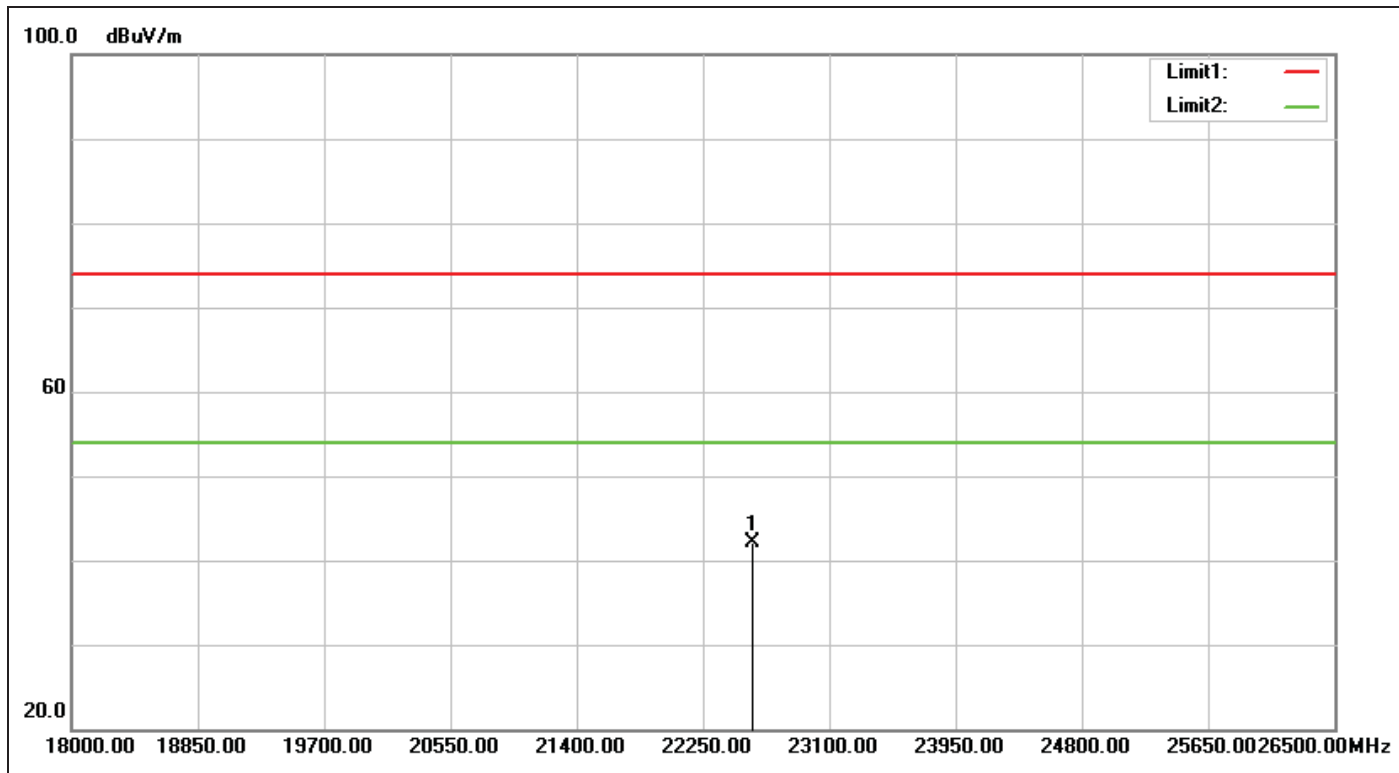
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 20:57:02
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2412		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22207.500	4.31	37.41	41.72	74.00	-32.28	peak	100	244	



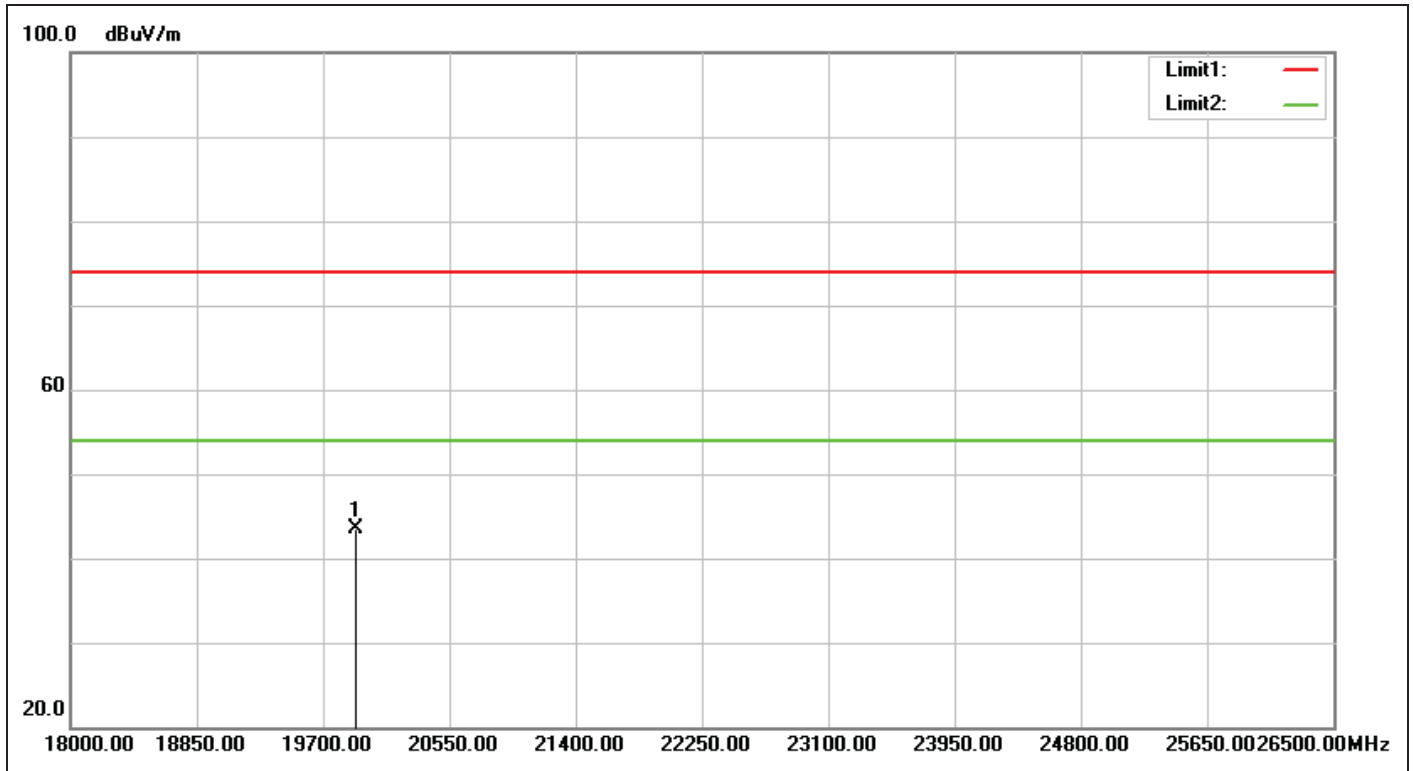
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 20:58:05
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2412		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19997.500	4.27	39.15	43.42	74.00	-30.58	peak	100	349	



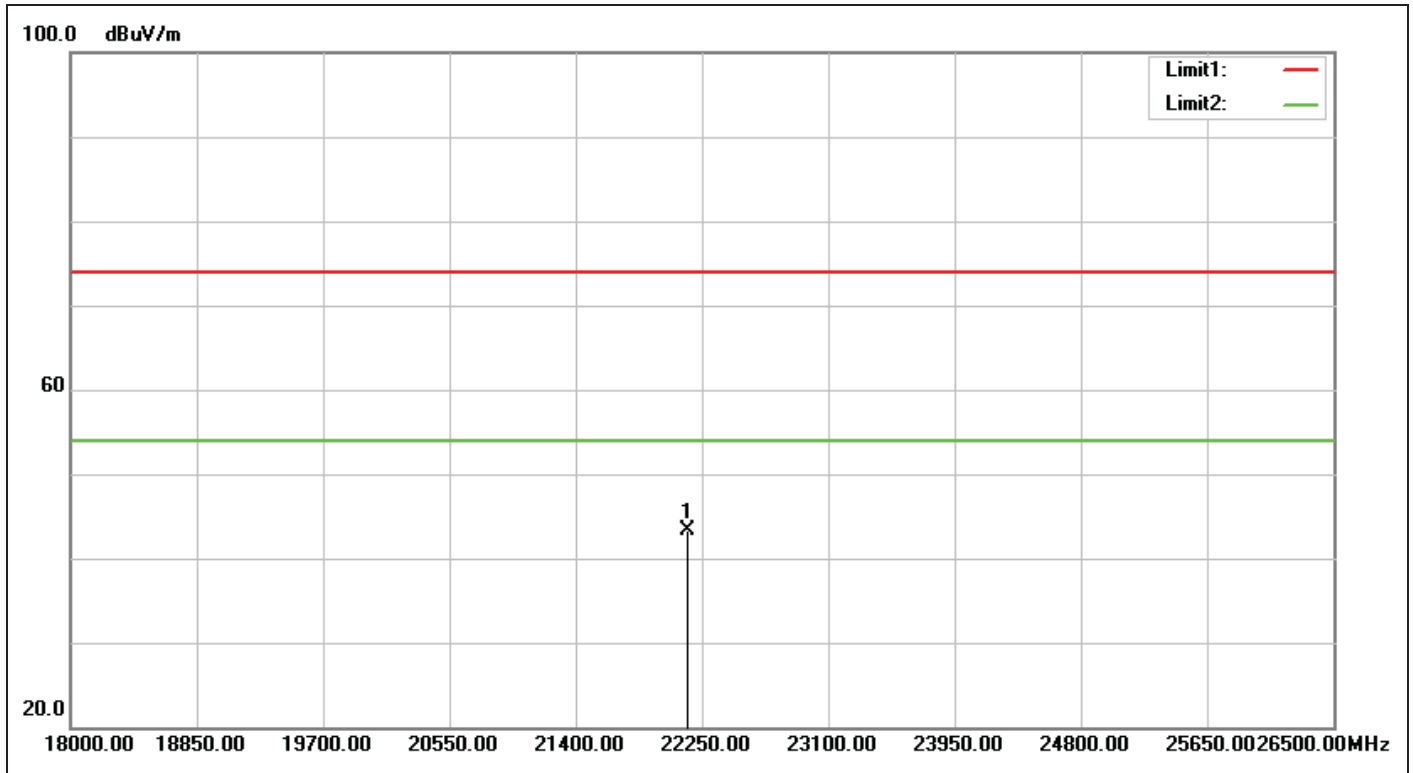
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 20:59:25
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22581.500	4.76	37.33	42.09	74.00	-31.91	peak	100	14	



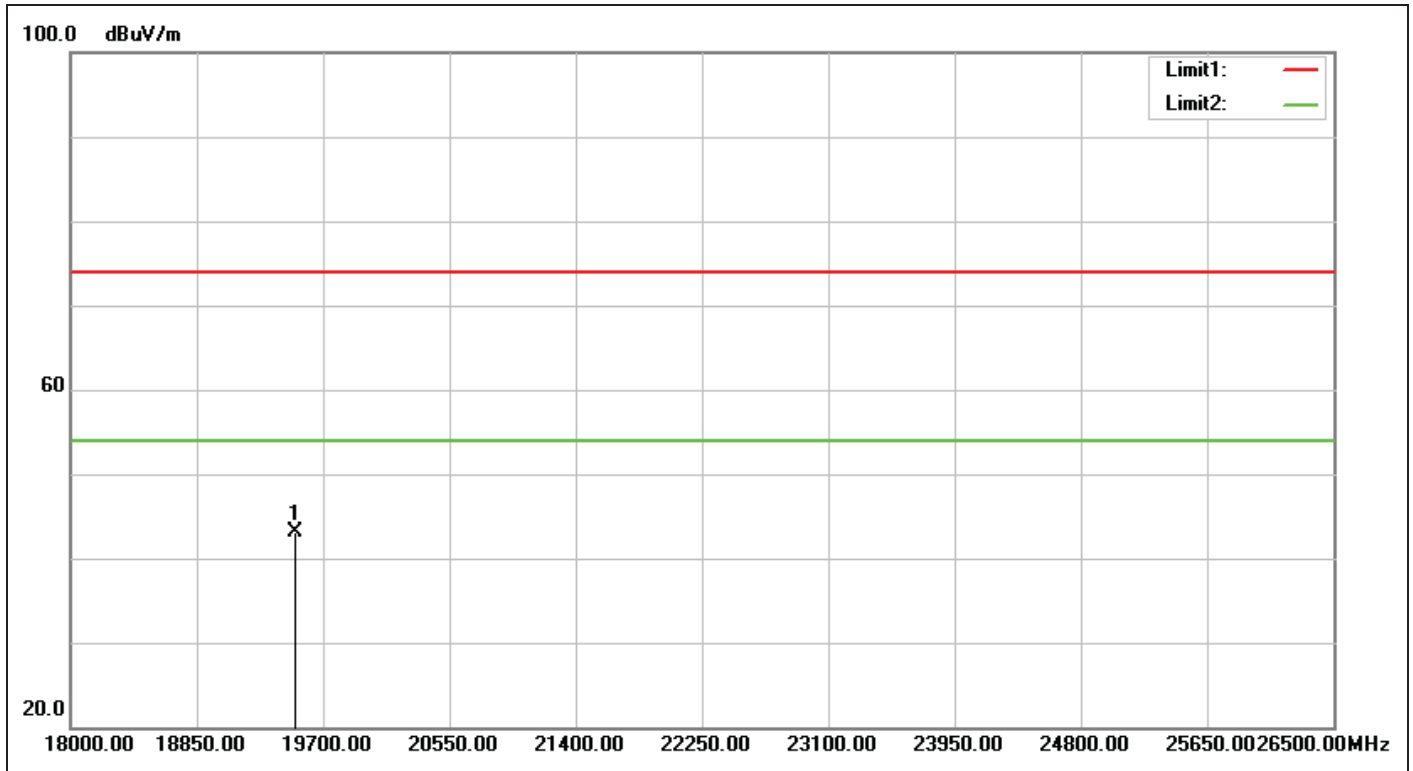
Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 21:00:28
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19921.000	4.20	39.33	43.53	74.00	-30.47	peak	100	46	



Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 21:03:15
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2462		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22156.500	4.26	38.96	43.22	74.00	-30.78	peak	100	355	



Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 21:04:18
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	N20-TX-2462		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19513.000	3.82	39.25	43.07	74.00	-30.93	peak	100	21	

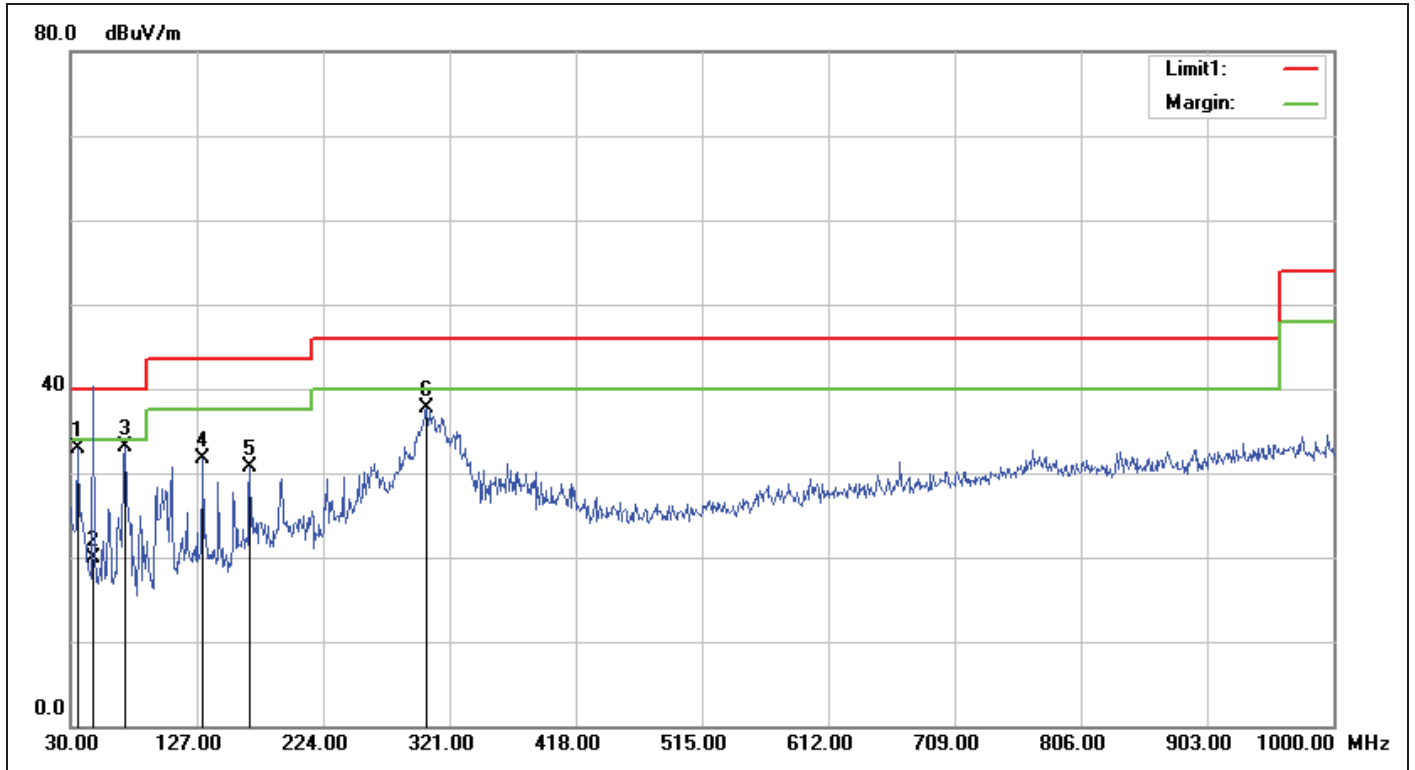
Spurious Emissions, TX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

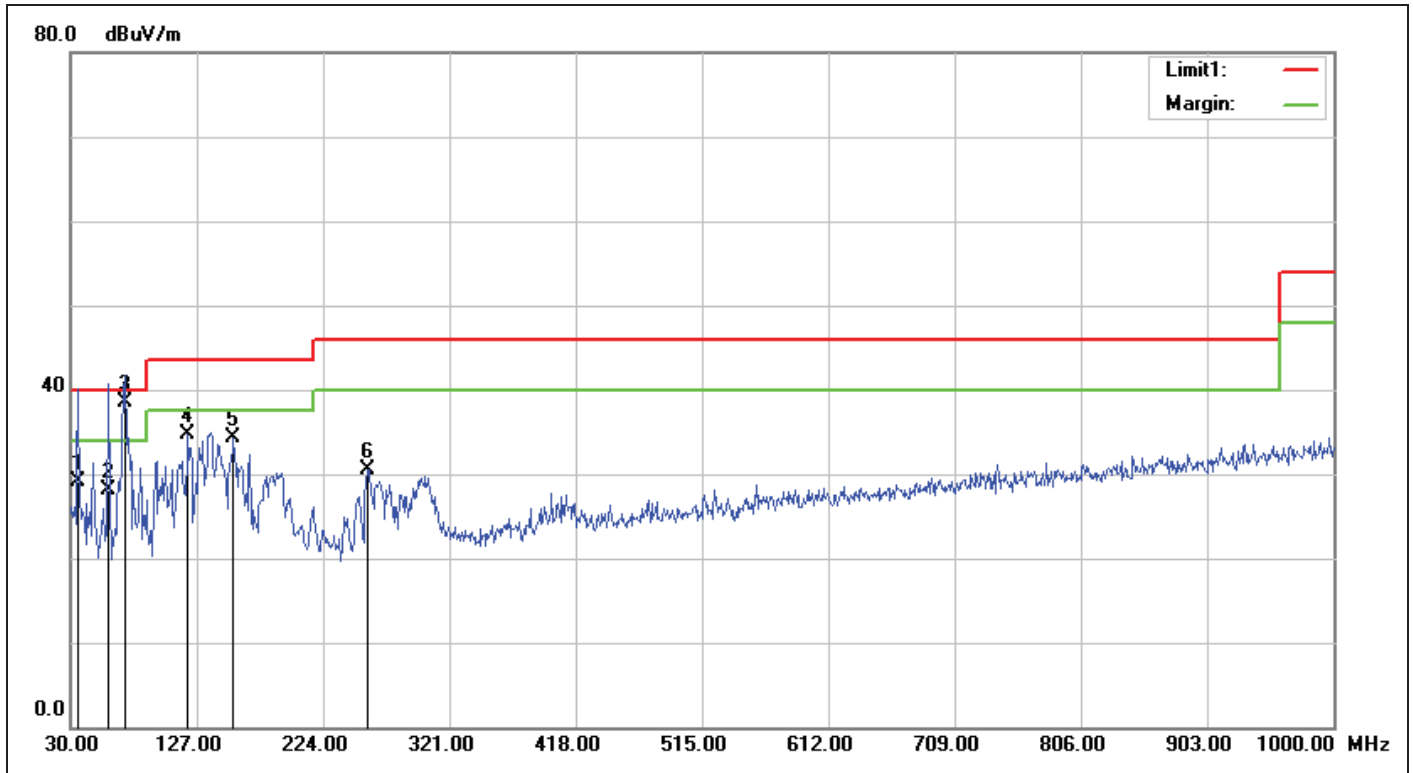
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/11/7 21:41:57
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35.8200	-3.37	36.18	32.81	40.00	-7.19	QP	100	109	
2	47.4600	-9.91	29.91	20.00	40.00	-20.00	QP	100	109	
3	71.7099	-12.83	46.00	33.17	40.00	-6.83	QP	100	136	
4	131.8499	-7.06	38.77	31.71	43.50	-11.79	QP	100	128	
5	167.7400	-8.76	39.48	30.72	43.50	-12.78	QP	100	163	
6	303.5400	-4.57	42.20	37.63	46.00	-8.37	QP	100	147	



Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/11/7 21:48:23
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35.8200	-3.37	32.47	29.10	40.00	-10.90	QP	100	230	
2	59.1000	-13.69	41.79	28.10	40.00	-11.90	QP	100	51	
3	71.7100	-12.83	51.43	38.60	40.00	-1.40	QP	100	179	
4	120.2100	-7.43	42.06	34.63	43.50	-8.87	QP	100	211	
5	155.1300	-7.59	41.89	34.30	43.50	-9.20	QP	100	205	
6	257.9500	-5.01	35.51	30.50	46.00	-15.50	QP	100	222	

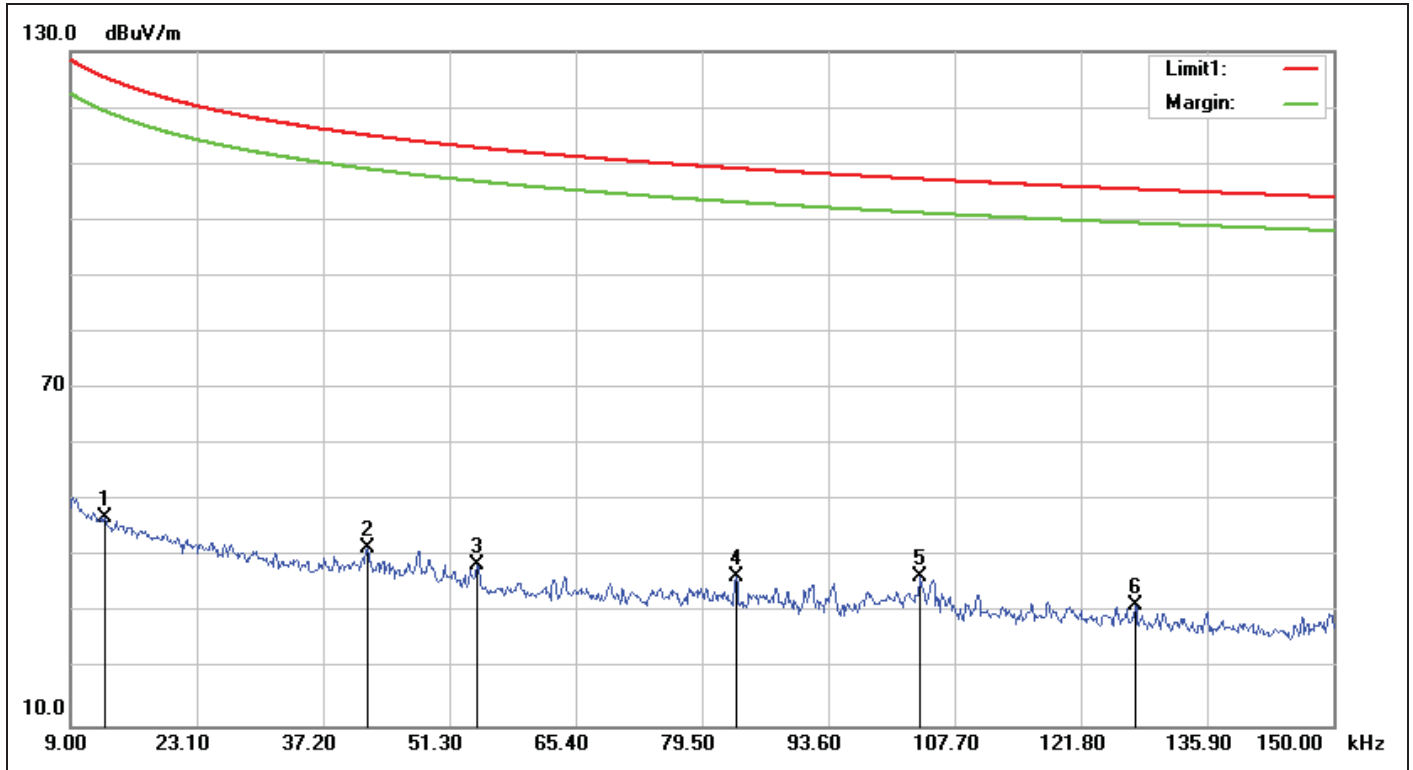
Spurious Emissions, TX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

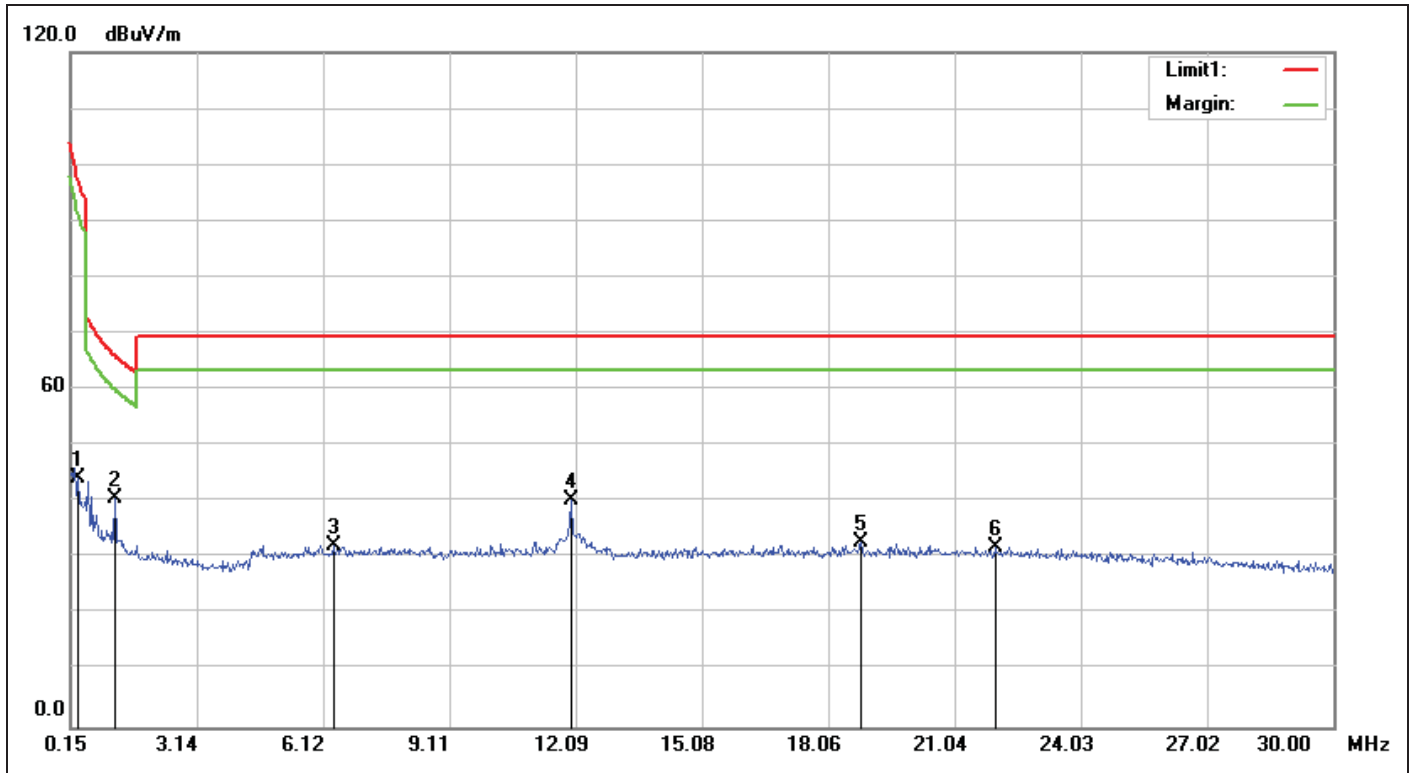
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/11/7 21:24:09
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0128	18.63	28.49	47.12	125.35	-78.23	QP	100	194	
2	0.0421	19.08	22.51	41.59	115.05	-73.46	QP	100	102	
3	0.0544	18.87	19.79	38.66	112.83	-74.17	QP	100	52	
4	0.0833	18.52	18.15	36.67	109.14	-72.47	QP	100	127	
5	0.1038	18.33	18.24	36.57	107.23	-70.66	QP	100	180	
6	0.1279	18.34	13.05	31.39	105.43	-74.04	QP	100	194	



Service No.:	114082904	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/11/7 21:25:39
Applicant:	Corsair Memory	Test Rating:	DC 13V
Product:	Elgato Key Light	Temp.(°C)/Hum.(%):	24(°C)/57%
Model No.:	20GAK9901	Test Engineer:	Kevin Kuo
Test Mode:	B-TX-2437		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.3291	18.47	25.77	44.24	97.24	-53.00	QP	100	110	
2	1.1947	18.66	22.06	40.72	66.08	-25.36	QP	100	293	
3	6.3588	19.73	12.46	32.19	69.50	-37.31	QP	100	349	
4	12.0004	20.67	19.59	40.26	69.50	-29.24	QP	100	80	
5	18.8361	21.47	11.24	32.71	69.50	-36.79	QP	100	232	
6	22.0002	21.68	10.20	31.88	69.50	-37.62	QP	100	274	

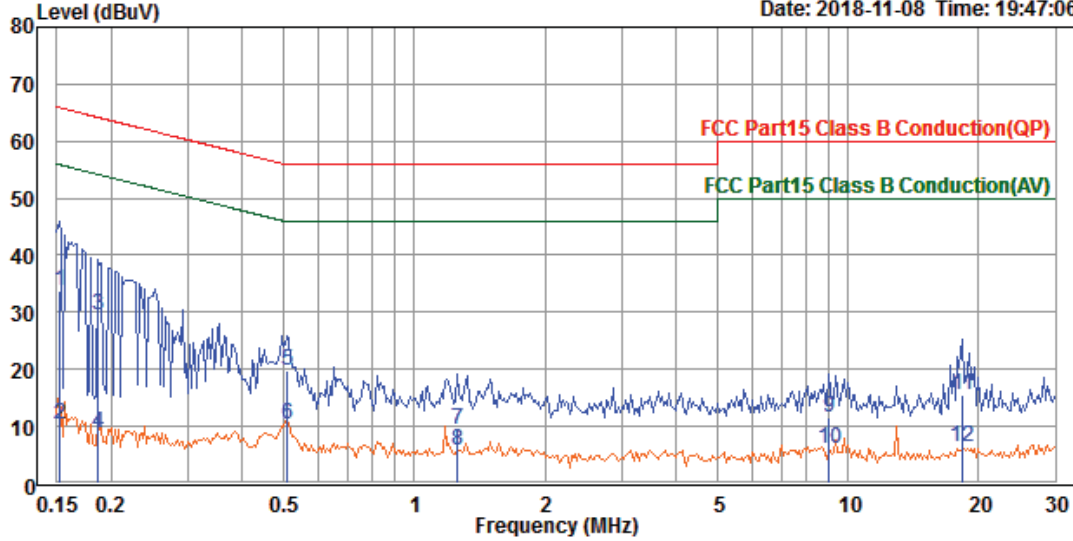
Spurious Emissions, AC Mains



TUV Rheinland Taiwan Ltd.
 11F., No. 758, Sec. 4 Bade Road. Songshan Dist, Taipei City 105
 Tel:+886-2172-7000 Fax:+886-2528-0018

File: C:\EMC\Report\2018\COMET\114082904(20GAK9901)\114082904(20GAK9901)_00001.EMI

Date: 2018-11-08 Time: 19:47:06



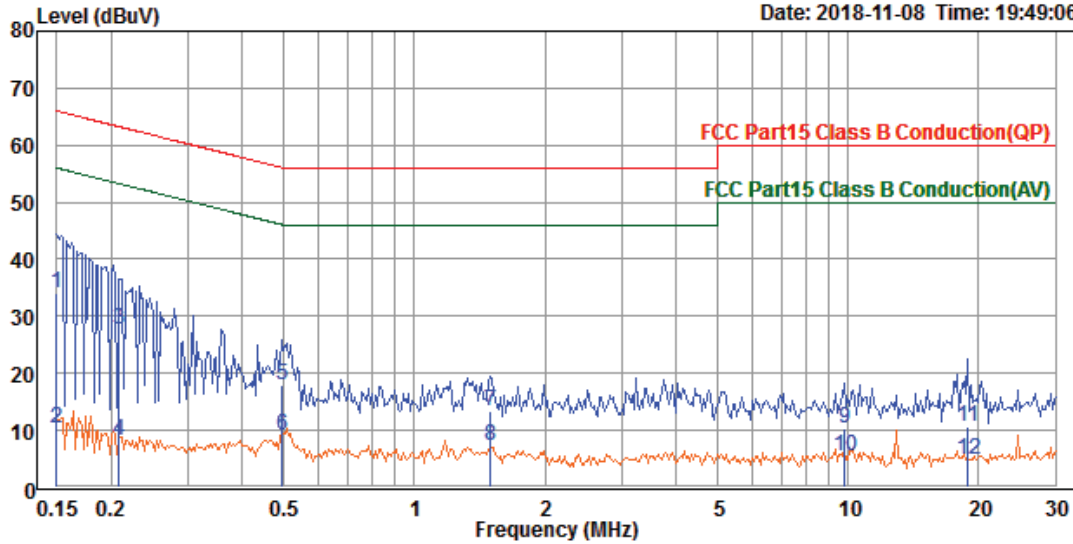
Trace: 1

Site : Conduction room
 Condition : FCC Part15 Class B Conduction(QP) line1
 Test Engineer: Kevin Kuo
 Applicant :
 Product :
 Model No. :
 Test Rating : 120Vac/60Hz
 Tmp/Hum : 23.4°C /45%
 Memo : AC Mains

	Read Freq	Read Level	Read Factor	Limit Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.151	24.08	9.68	33.76	65.92	-32.16	QP
2	0.151	0.66	9.68	10.34	55.92	-45.58	Average
3	0.187	19.82	9.68	29.50	64.18	-34.68	QP
4	0.187	-0.99	9.68	8.69	54.18	-45.49	Average
5	0.509	10.10	9.69	19.79	56.00	-36.21	QP
6	0.509	0.58	9.69	10.27	46.00	-35.73	Average
7	1.259	-0.29	9.70	9.41	56.00	-46.59	QP
8	1.259	-3.90	9.70	5.80	46.00	-40.20	Average
9	9.010	1.89	9.81	11.70	60.00	-48.30	QP
10	9.010	-3.78	9.81	6.03	50.00	-43.97	Average
11	18.250	5.73	9.85	15.58	60.00	-44.42	QP
12	18.250	-3.49	9.85	6.36	50.00	-43.64	Average

File: C:\EMC\Report\2018\COMET\114082904(20GAK9901)\114082904(20GAK9901)_00003.EMI

Date: 2018-11-08 Time: 19:49:06



Trace: 1

Site : Conduction room
 Condition : FCC Part15 Class B Conduction(QP) neutral
 Test Engineer: Kevin Kuo
 Applicant :
 Product :
 Model No. :
 Test Rating : 120Vac/60Hz
 Tmp/Hum : 23.4°C /45%
 Memo : AC Mains

	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	24.33	9.68	34.01	66.00	-31.99	QP
2	0.150	0.61	9.68	10.29	56.00	-45.71	Average
3	0.208	18.05	9.68	27.73	63.28	-35.55	QP
4	0.208	-1.54	9.68	8.14	53.28	-45.14	Average
5	0.494	8.37	9.68	18.05	56.09	-38.04	QP
6	0.494	-0.56	9.68	9.12	46.09	-36.97	Average
7	1.491	3.77	9.71	13.48	56.00	-42.52	QP
8	1.491	-2.46	9.71	7.25	46.00	-38.75	Average
9	9.756	0.61	9.84	10.45	60.00	-49.55	QP
10	9.756	-4.47	9.84	5.37	50.00	-44.63	Average
11	18.803	0.74	9.91	10.65	60.00	-49.35	QP
12	18.803	-4.93	9.91	4.98	50.00	-45.02	Average