

Test Report No.50085645 001

Appendix D: Radiated and Mains Spurious Emission Data

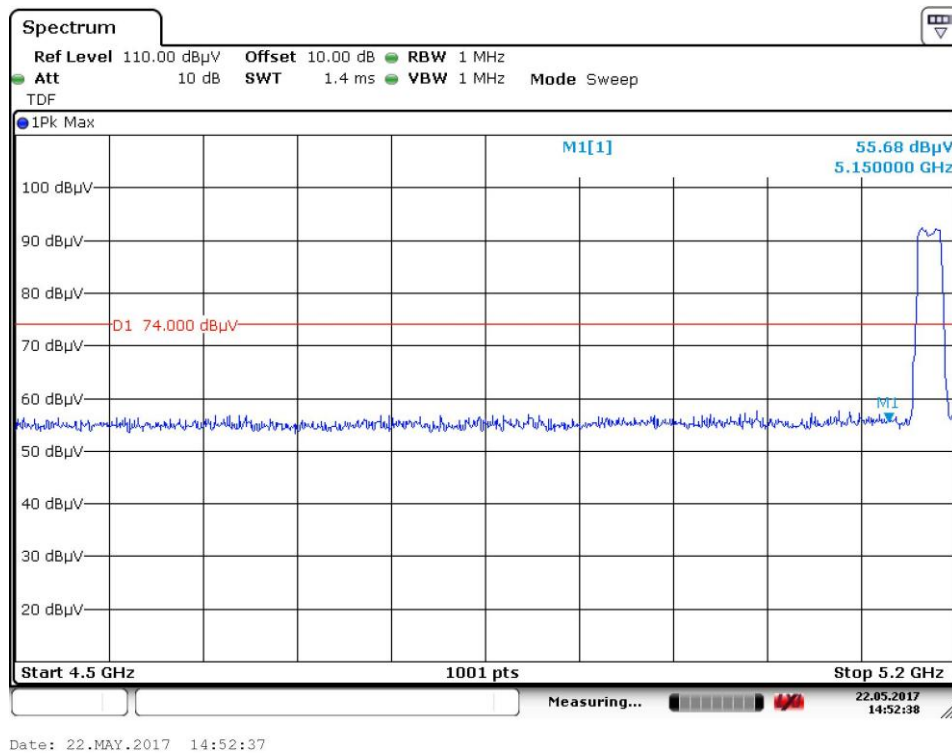
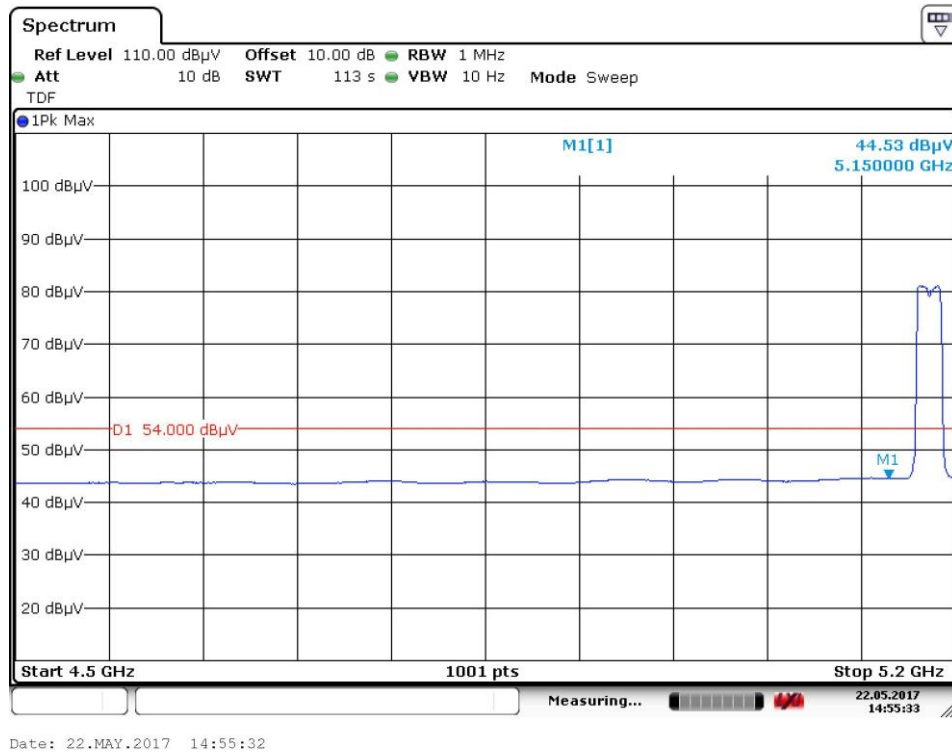
(File: 50085645AppendixD)

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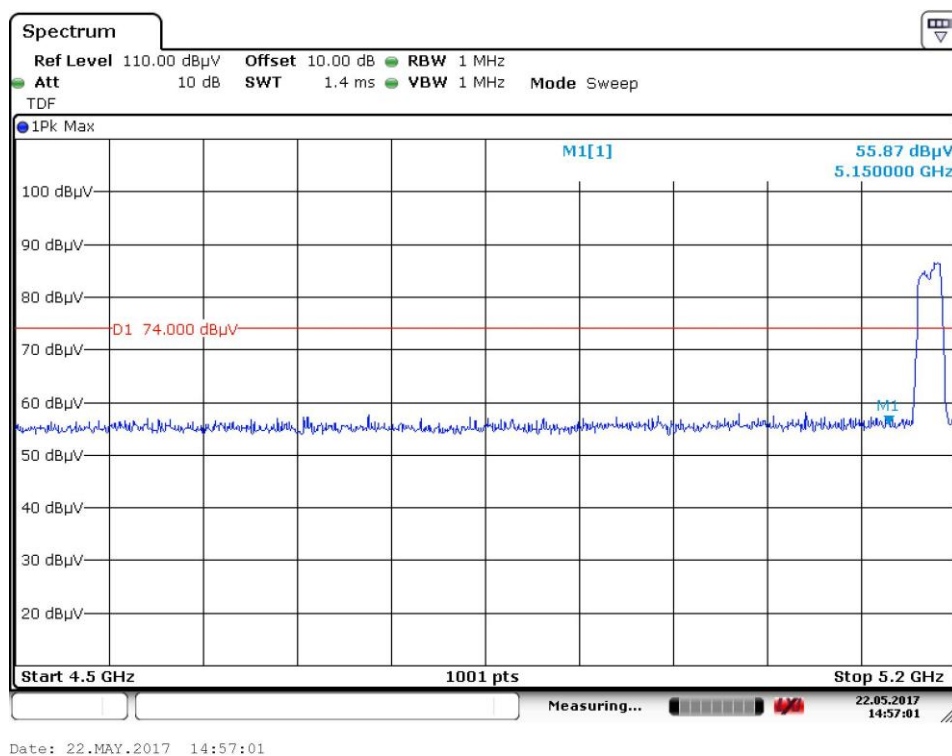
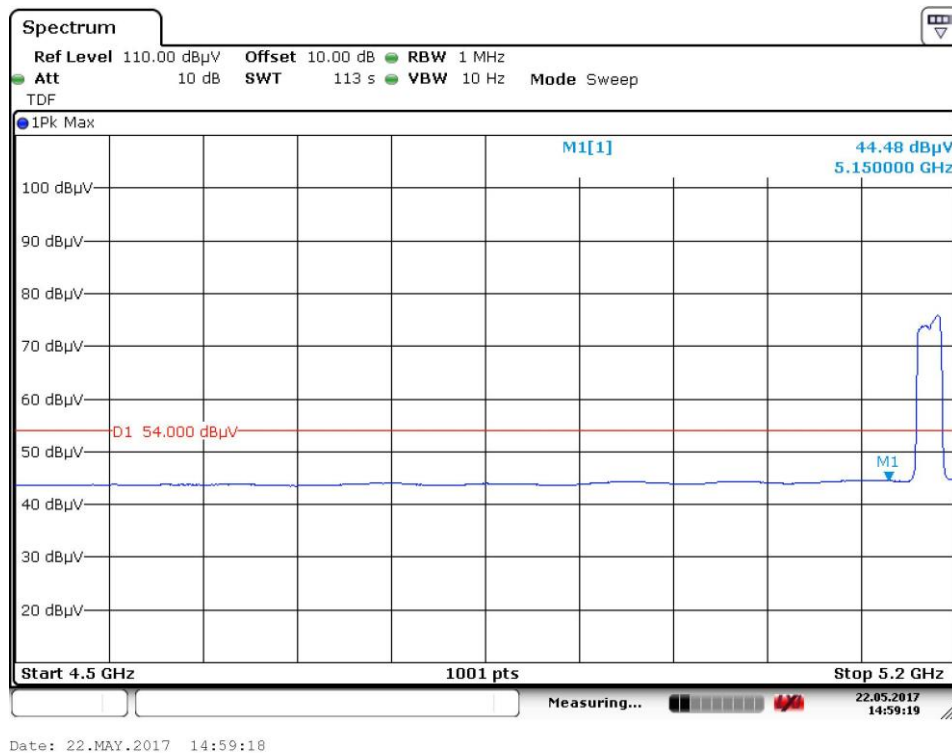
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Radiated Bandedge 11a HT20

Low Channel (Hor) 5180

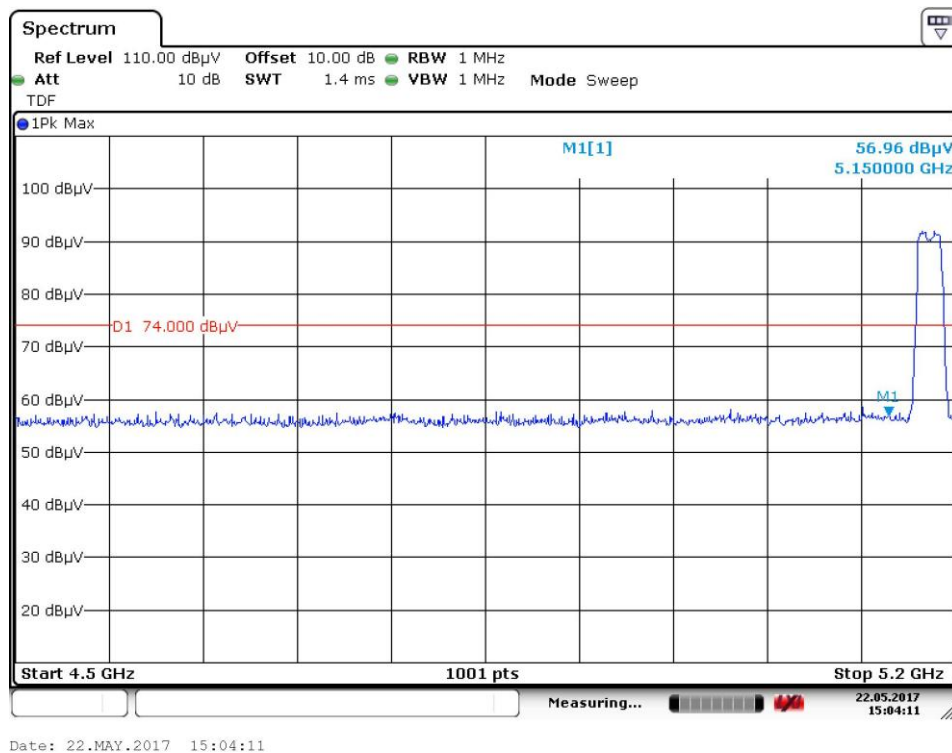
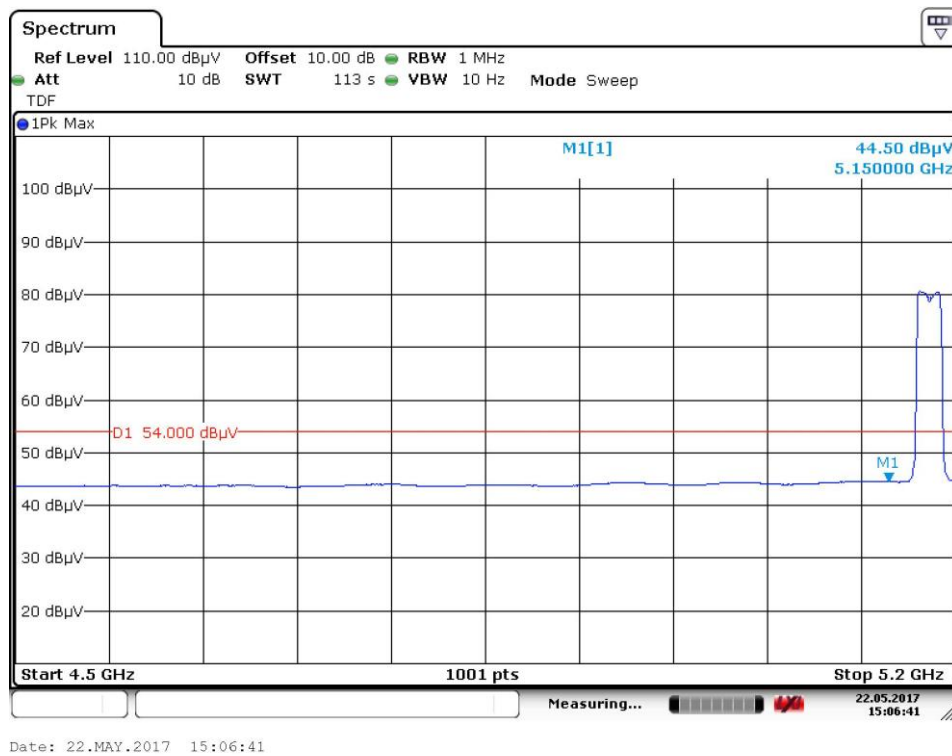


Low Channel (Ver) 5180

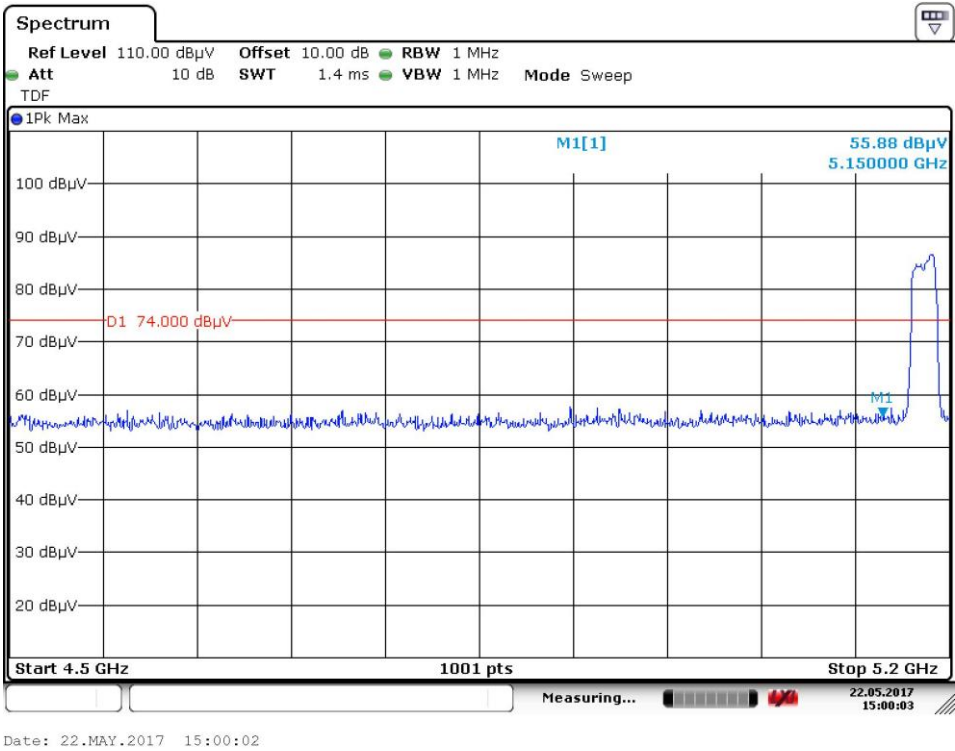
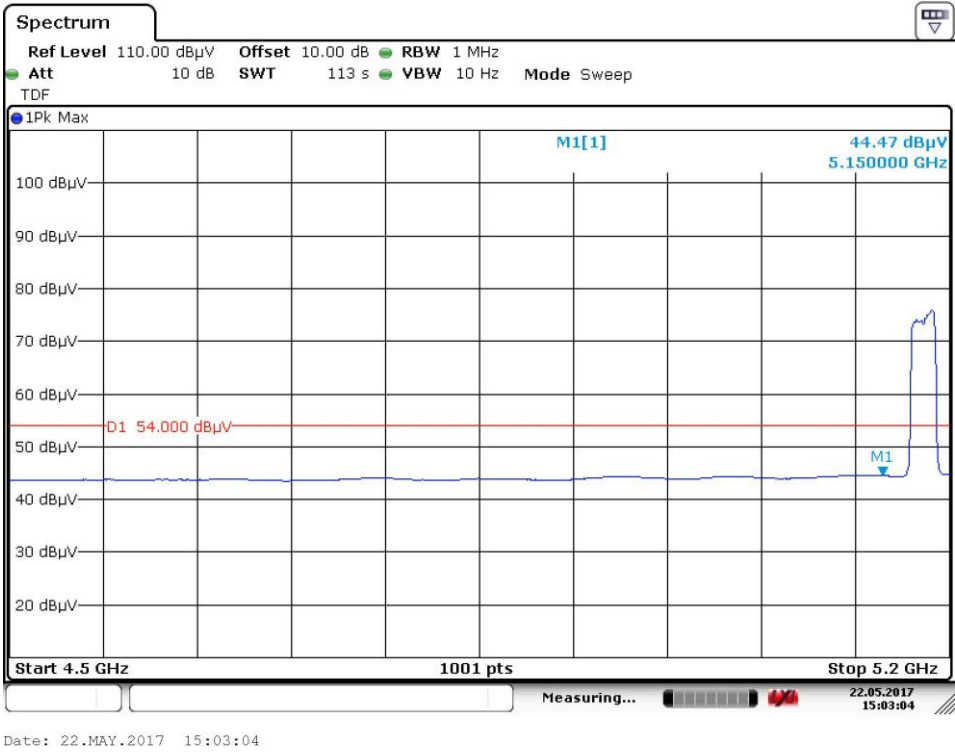


Radiated Bandedge 11ac 20

Low Channel (Hor) 5190



Low Channel (Ver) 5190



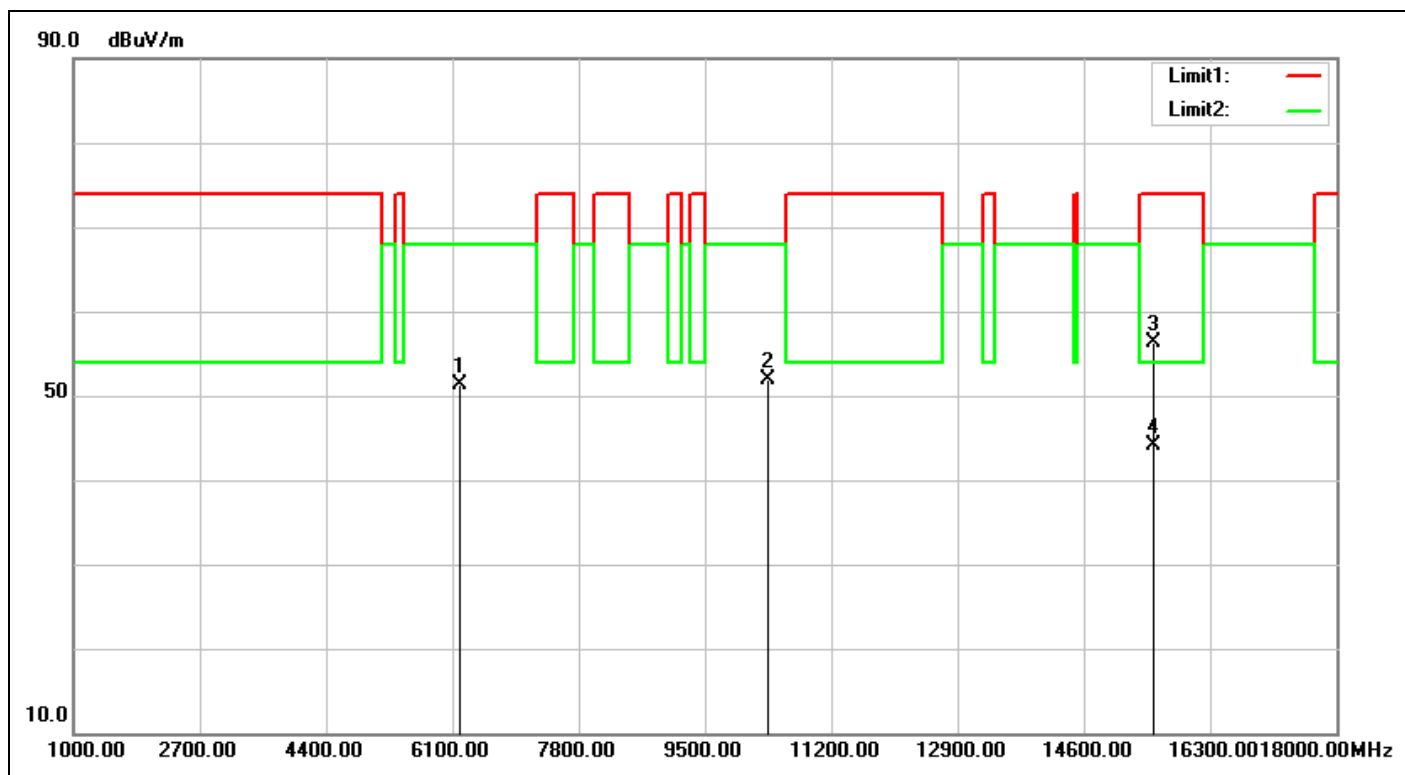
Spurious Emissions, TX Mode, 1-18G , 5150-5250MHz



TUV Taiwan

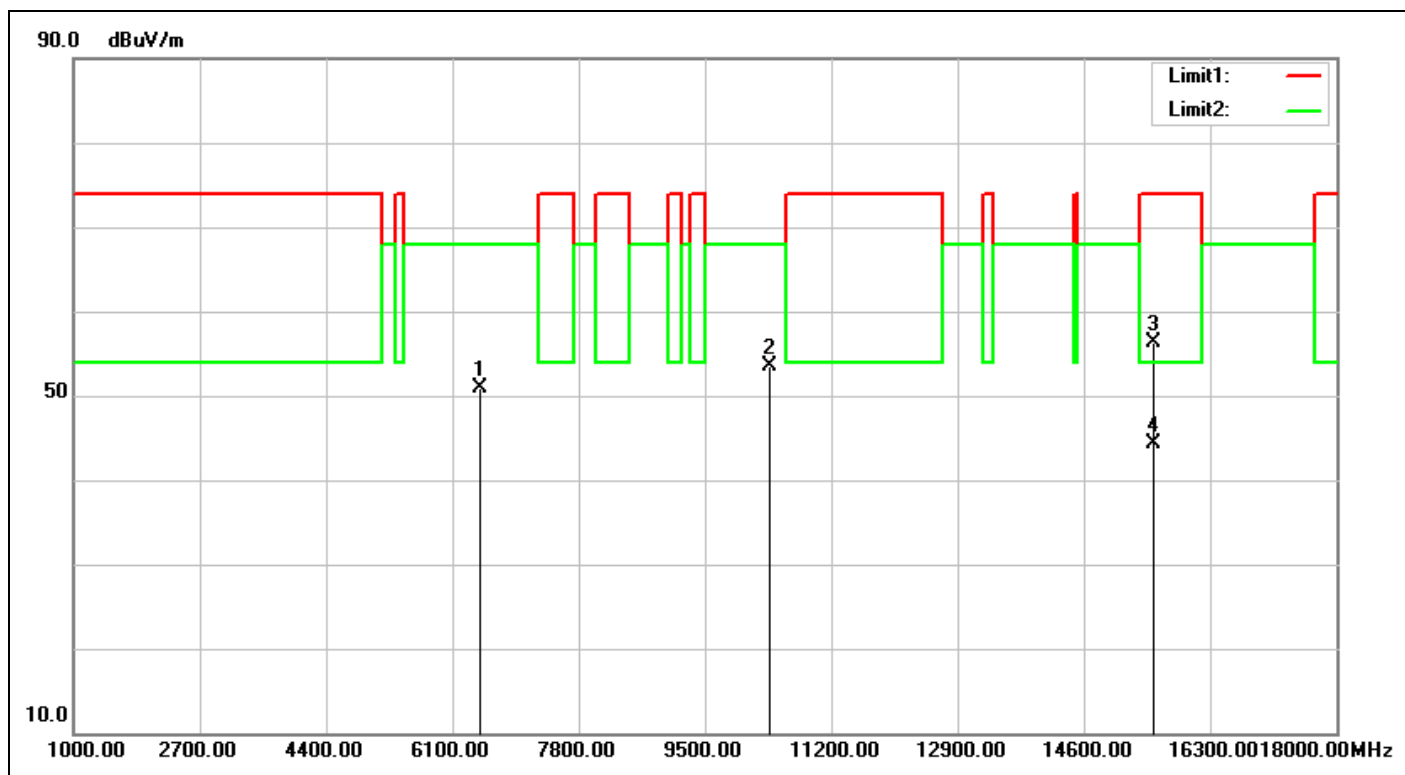
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



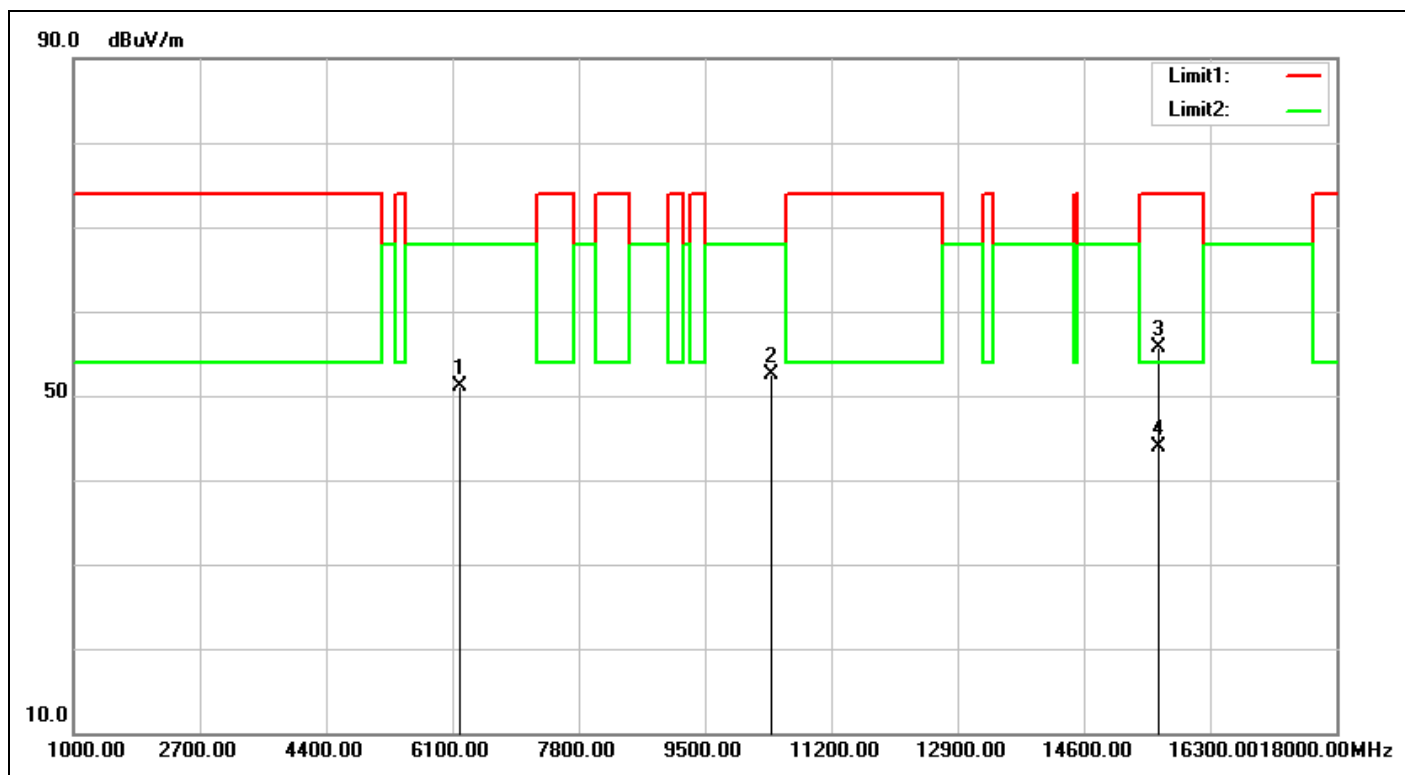
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 16:33:11
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6202.000	5.43	45.85	51.28	68.00	-16.72	peak	100	152	
2	10360.000	5.84	46.04	51.88	68.00	-16.12	peak		0	
3	15540.000	12.08	44.13	56.21	74.00	-17.79	peak		0	
4	15540.000	12.08	32.02	44.10	54.00	-9.90	AVG		0	



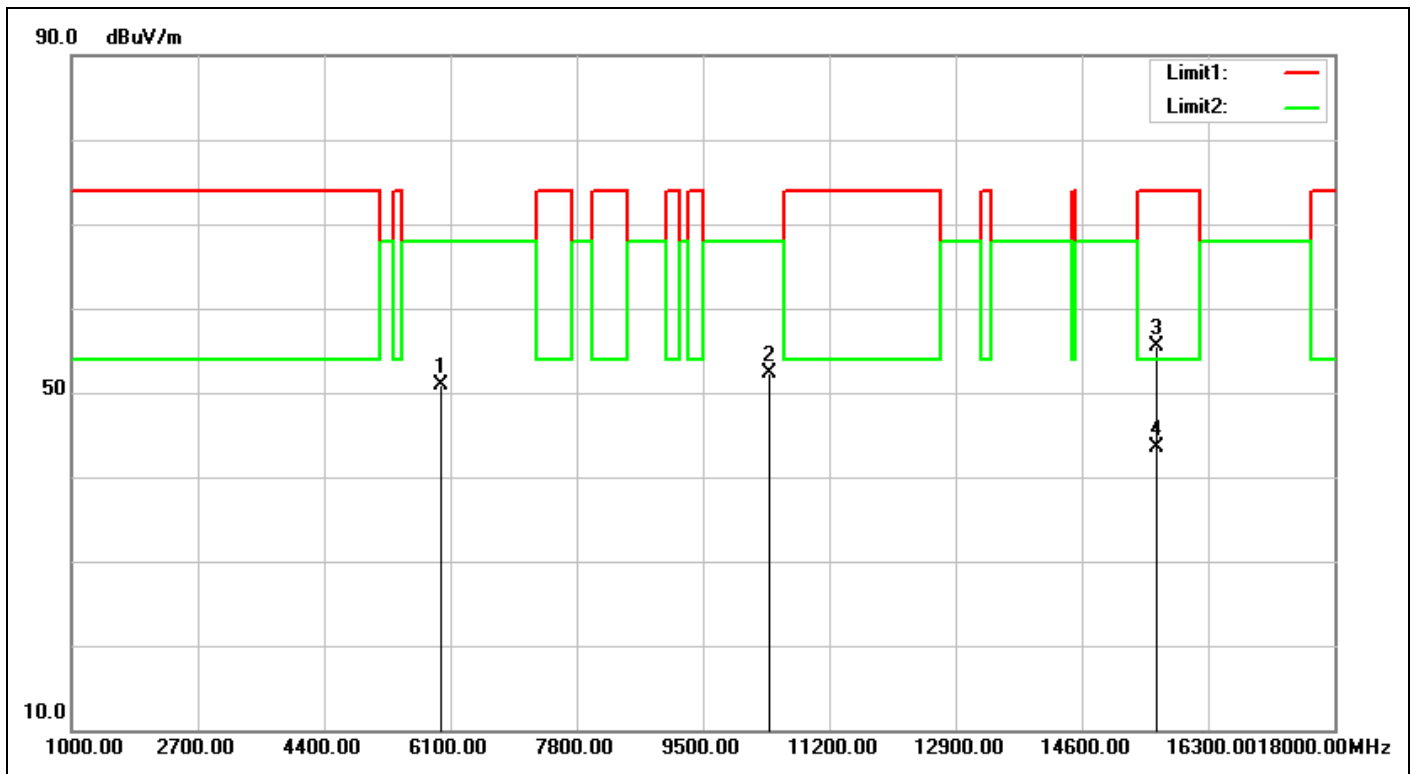
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
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Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6474.000	6.32	44.62	50.94	68.00	-17.06	peak	100	269	
2	10360.000	5.84	47.66	53.50	68.00	-14.50	peak			
3	15540.000	12.08	44.20	56.28	74.00	-17.72	peak			
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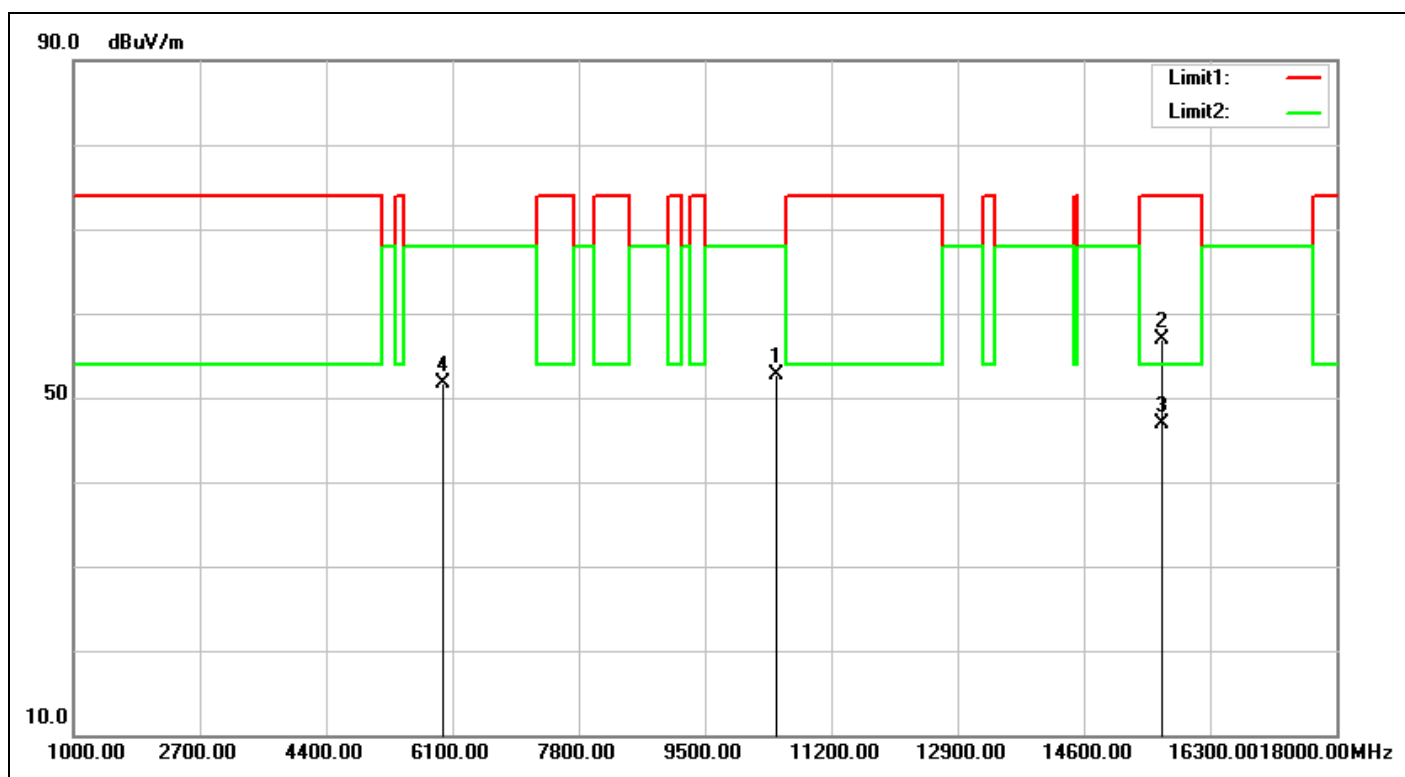
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Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%) :	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6202.000	5.43	45.66	51.09	68.00	-16.91	peak	100	288	
2	10400.000	5.82	46.59	52.41	68.00	-15.59	peak			
3	15600.000	12.35	43.43	55.78	74.00	-18.22	peak			
4	15600.000	12.35	31.55	43.90	54.00	-10.10	AVG			



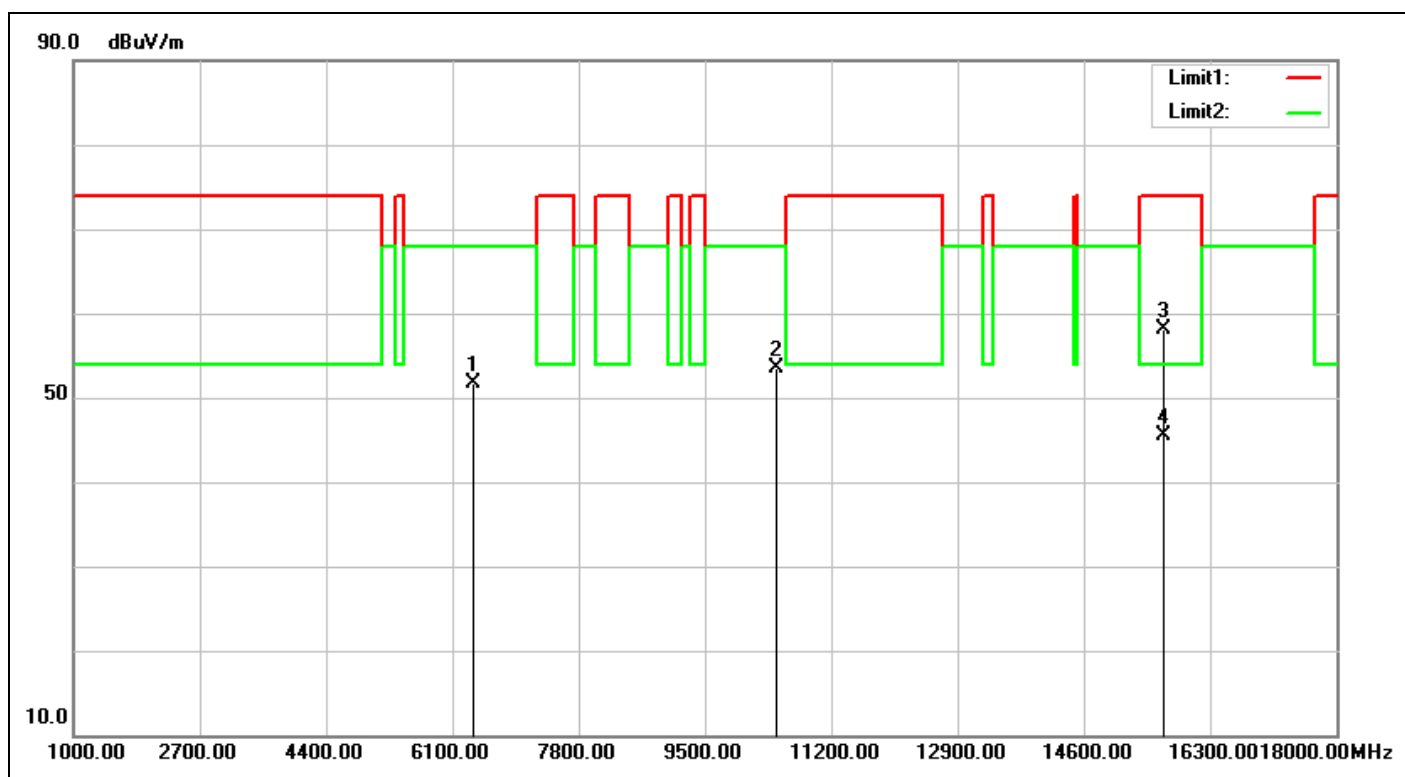
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Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5964.000	4.51	46.43	50.94	68.00	-17.06	peak	100	45	
2	10400.000	5.82	46.57	52.39	68.00	-15.61	peak			
3	15600.000	12.35	43.07	55.42	74.00	-18.58	peak			
4	15600.000	12.35	31.25	43.60	54.00	-10.40	AVG			



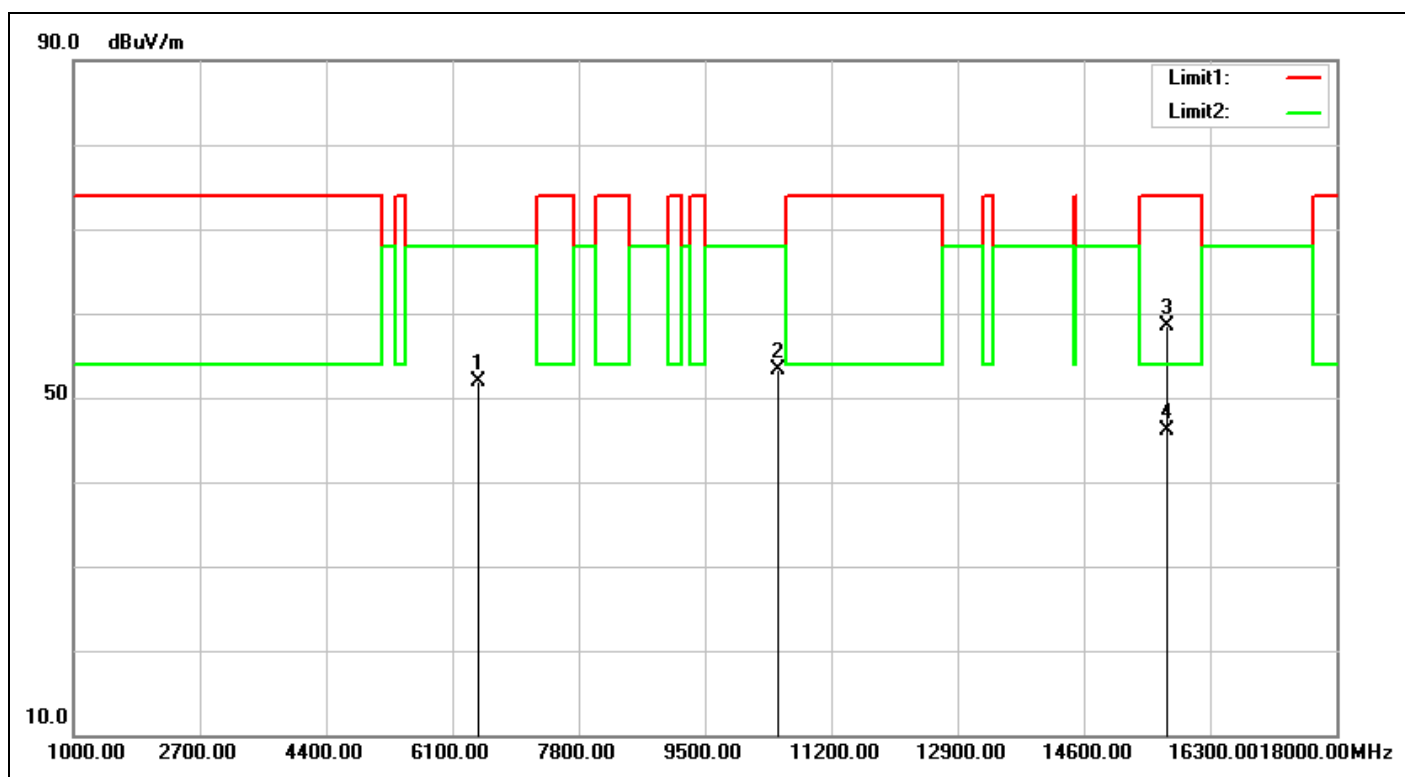
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Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	10440.000	5.78	46.84	52.62	68.00	-15.38	peak			
2	15660.000	12.62	44.36	56.98	74.00	-17.02	peak			
3	15660.000	12.62	34.38	47.00	54.00	-7.00	AVG			
4	5981.000	4.62	47.04	51.66	68.00	-16.34	peak	100	11	



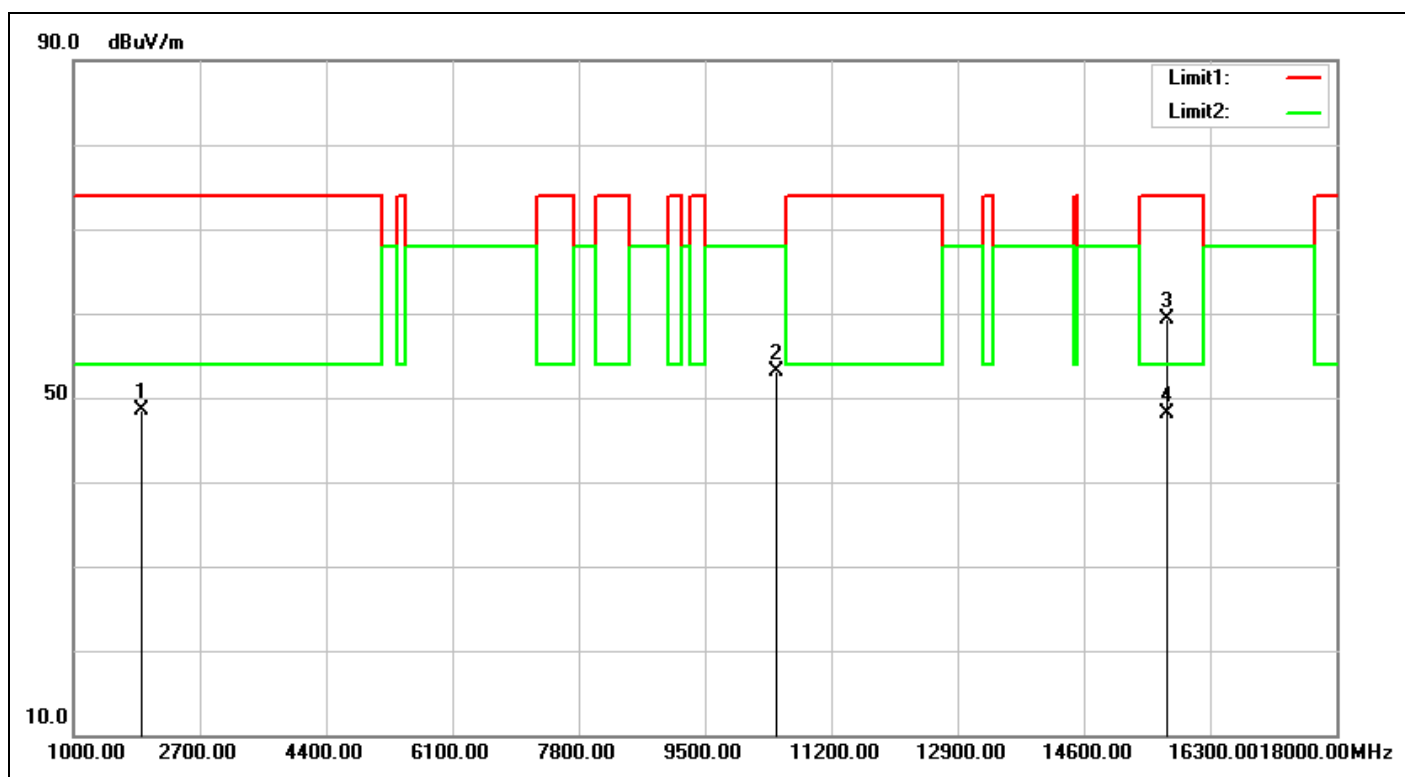
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Test item:	Radiation Emission	Test Time:	2017/5/22 16:41:36
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6389.000	6.04	45.67	51.71	68.00	-16.29	peak	100	75	
2	10440.000	5.78	47.69	53.47	68.00	-14.53	peak			
3	15660.000	12.62	45.47	58.09	74.00	-15.91	peak			
4	15660.000	12.62	32.98	45.60	54.00	-8.40	AVG			



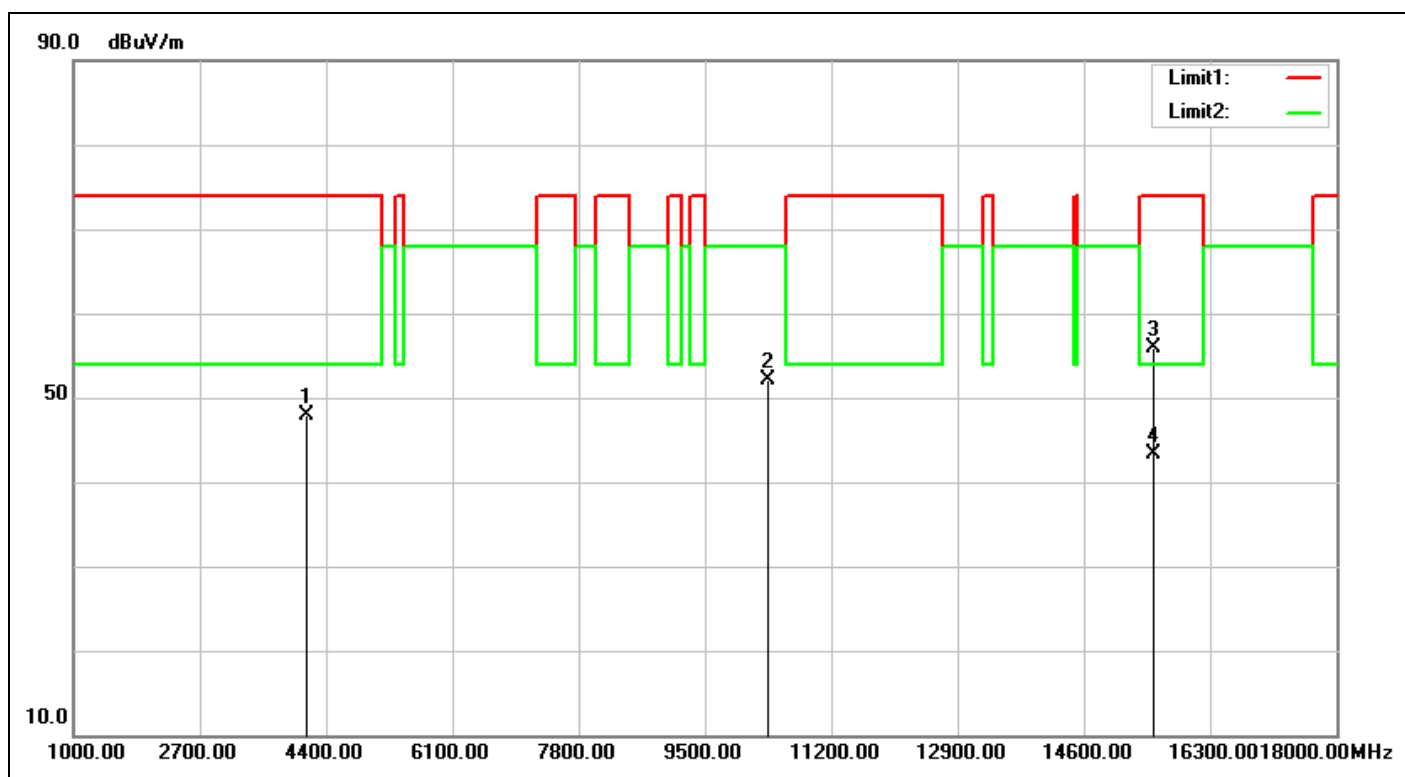
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Test item:	Radiation Emission	Test Time:	2017/5/22 16:45:17
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5240-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6440.000	6.21	45.65	51.86	68.00	-16.14	peak	100	237	
2	10480.000	5.74	47.65	53.39	68.00	-14.61	peak			
3	15720.000	12.90	45.52	58.42	74.00	-15.58	peak			
4	15720.000	12.90	33.30	46.20	54.00	-7.80	AVG			



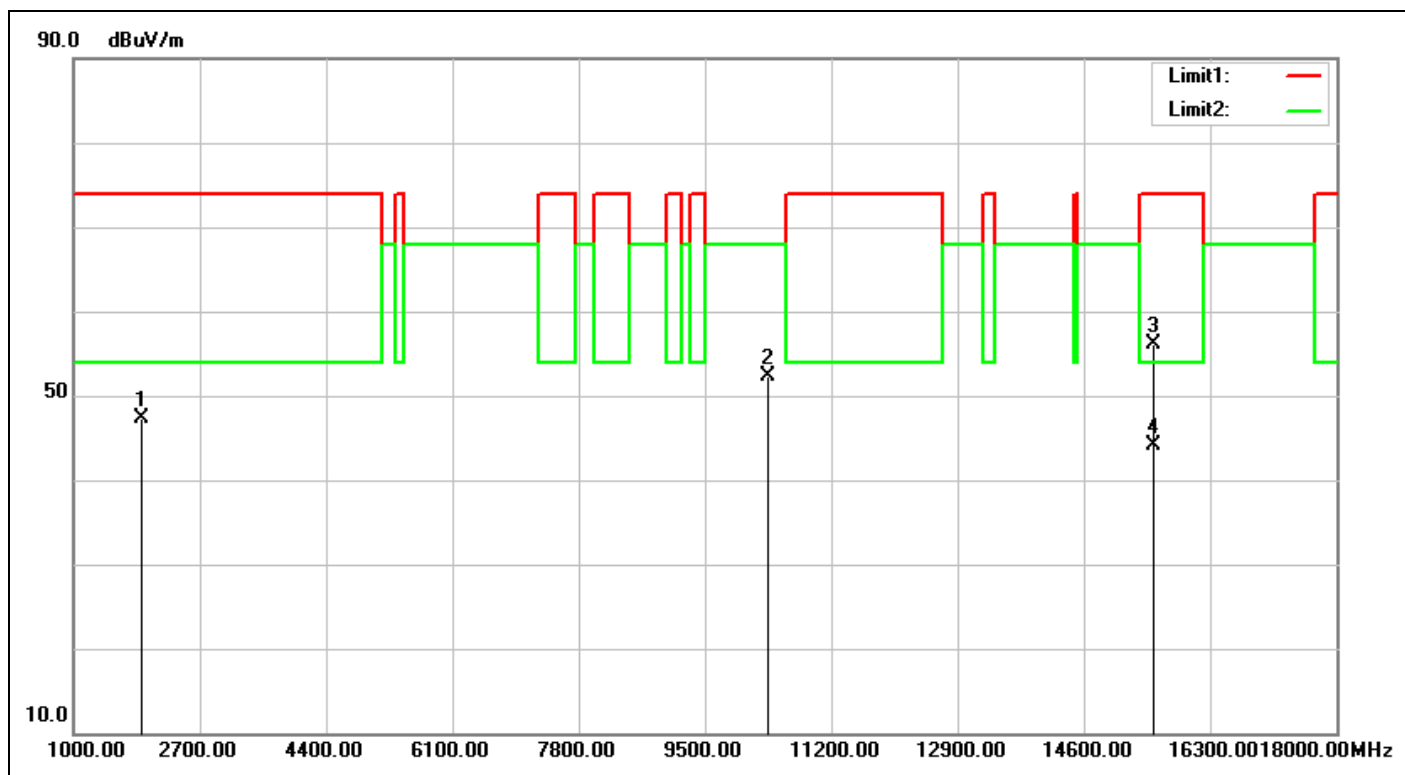
Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 16:46:19
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5240-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.47	56.05	48.58	74.00	-25.42	peak	100	327	
2	10480.000	5.74	47.42	53.16	68.00	-14.84	peak			
3	15720.000	12.90	46.45	59.35	74.00	-14.65	peak			
4	15720.000	12.90	35.20	48.10	54.00	-5.90	AVG			



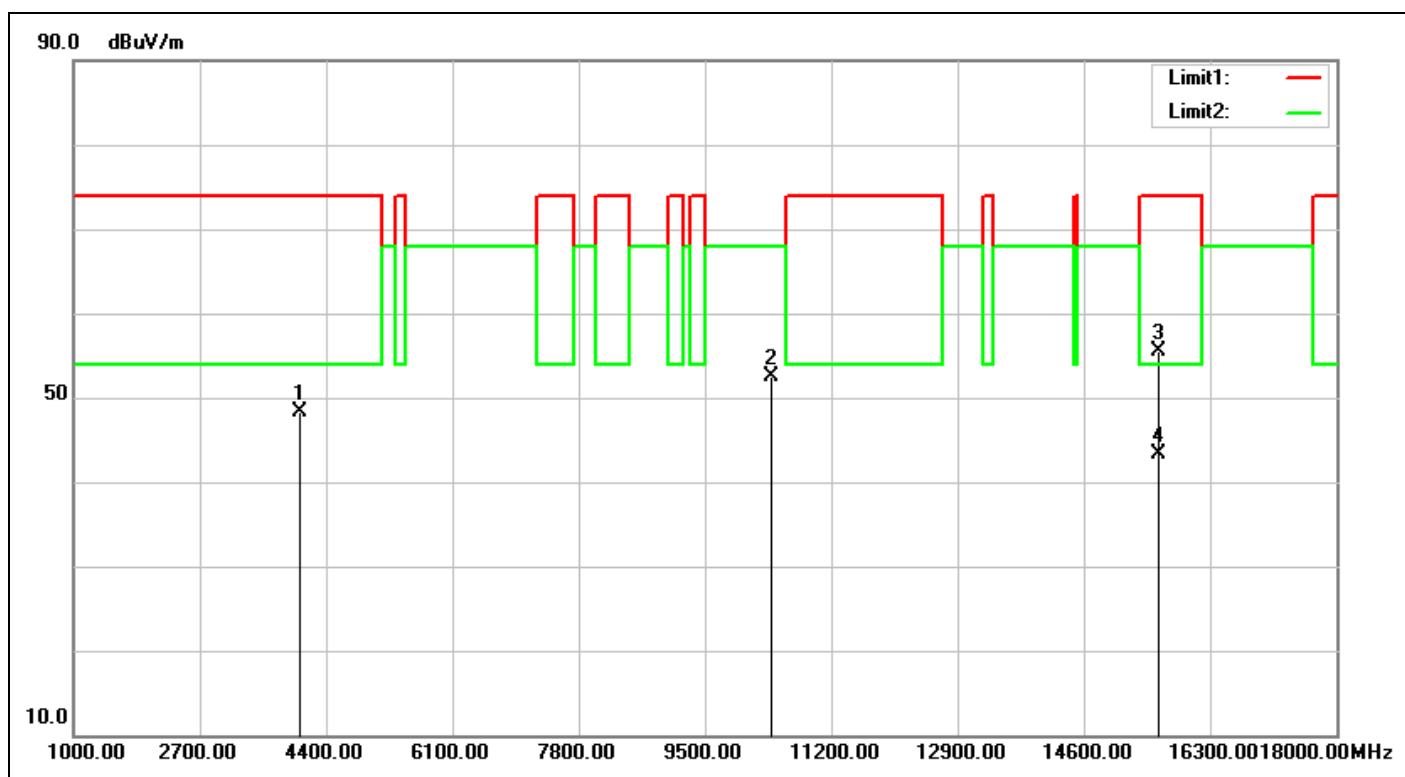
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 16:49:50
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4128.000	-3.35	51.17	47.82	74.00	-26.18	peak	100	10	
2	10360.000	5.84	46.17	52.01	68.00	-15.99	peak			
3	15540.000	12.08	43.81	55.89	74.00	-18.11	peak			
4	15540.000	12.08	31.17	43.25	54.00	-10.75	AVG			



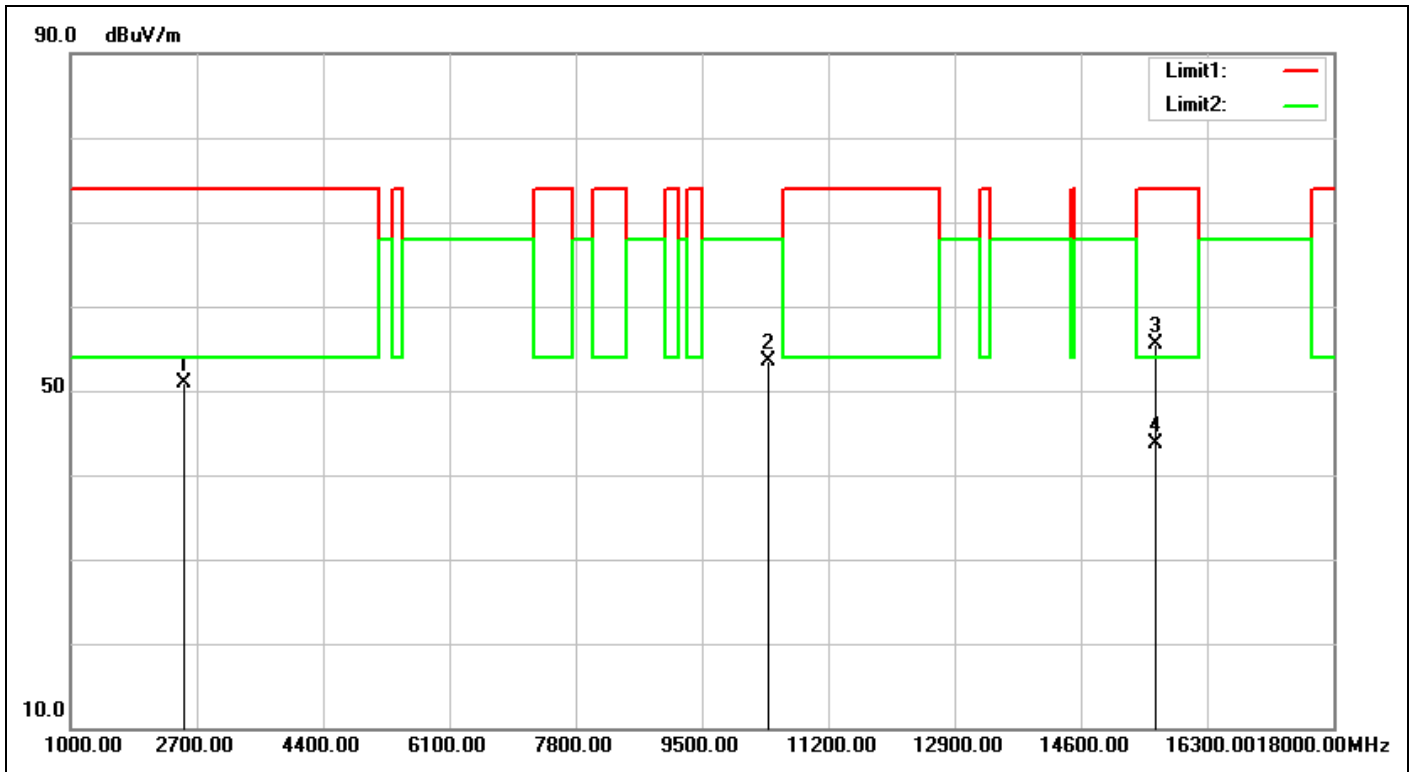
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Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.47	54.75	47.28	74.00	-26.72	peak	100	294	
2	10360.000	5.84	46.51	52.35	68.00	-15.65	peak			
3	15540.000	12.08	44.05	56.13	74.00	-17.87	peak			
4	15540.000	12.08	31.94	44.02	54.00	-9.98	AVG			



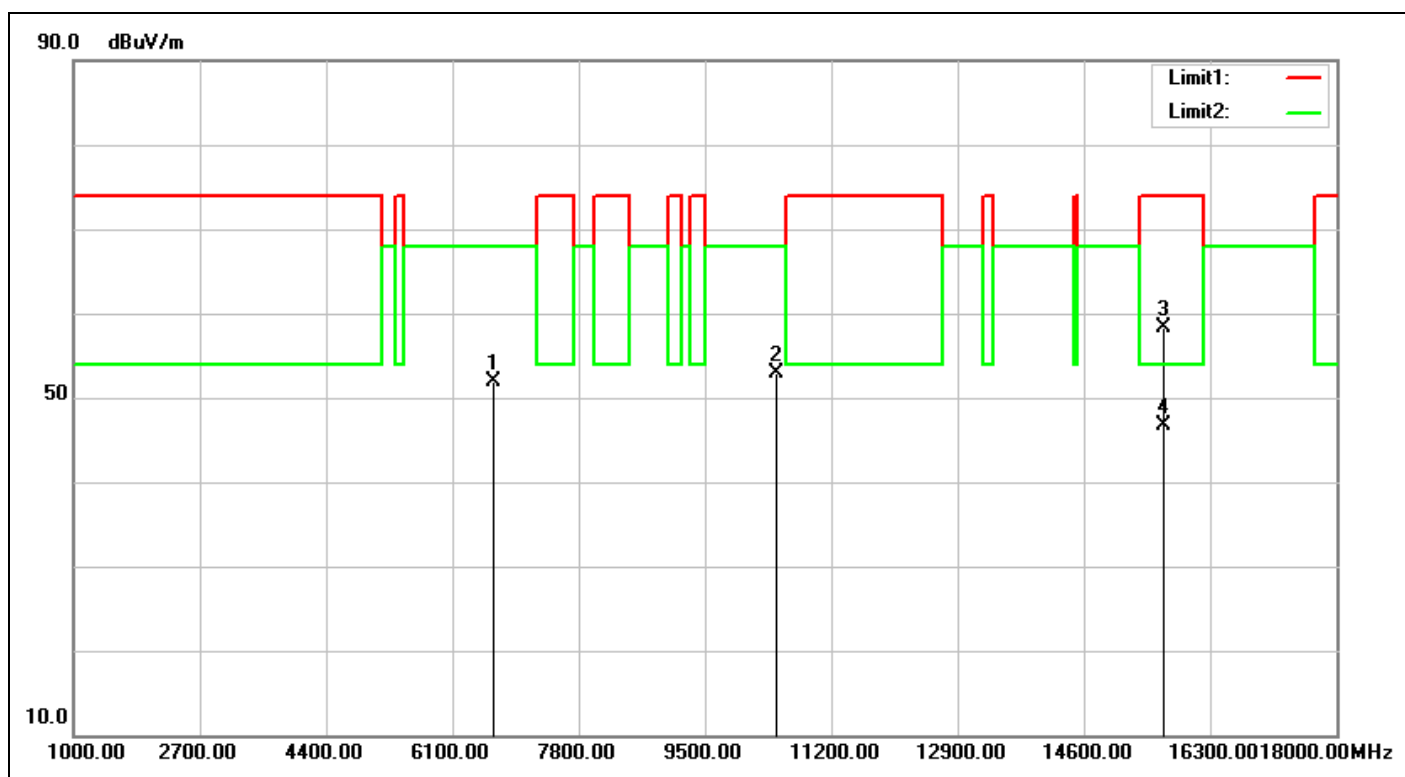
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Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4043.000	-3.61	51.93	48.32	74.00	-25.68	peak	100	1	
2	10400.000	5.82	46.67	52.49	68.00	-15.51	peak			
3	15600.000	12.35	43.16	55.51	74.00	-18.49	peak			
4	15600.000	12.35	30.87	43.22	54.00	-10.78	AVG			



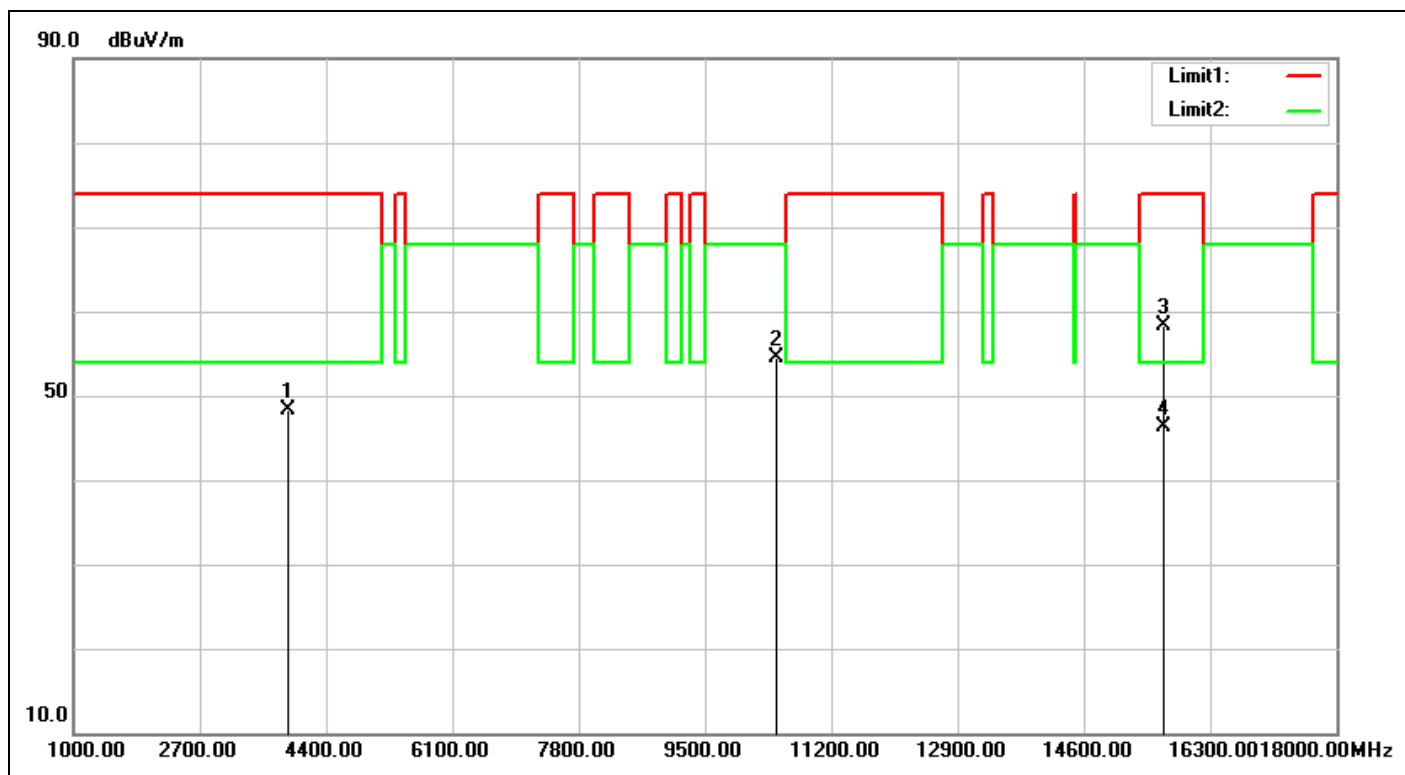
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Test item:	Radiation Emission	Test Time:	2017/5/22 16:54:17
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2530.000	-5.97	56.85	50.88	74.00	-23.12	peak	100	111	
2	10400.000	5.82	47.77	53.59	68.00	-14.41	peak			
3	15600.000	12.35	43.17	55.52	74.00	-18.48	peak			
4	15600.000	12.35	31.33	43.68	54.00	-10.32	AVG			



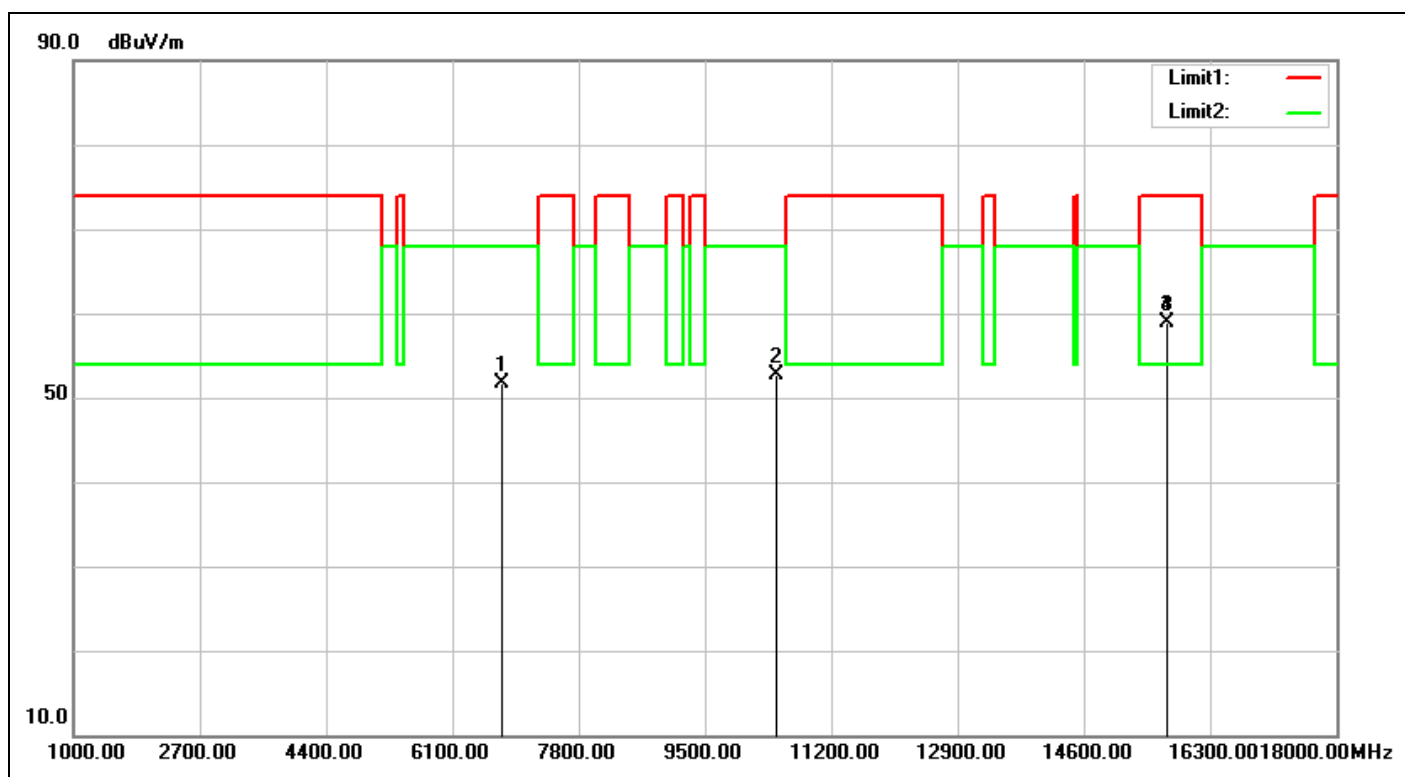
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 16:56:20
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%) :	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6644.000	6.19	45.67	51.86	68.00	-16.14	peak	100	174	
2	10440.000	5.78	47.21	52.99	68.00	-15.01	peak			
3	15660.000	12.62	45.60	58.22	74.00	-15.78	peak			
4	15660.000	12.62	34.06	46.68	54.00	-7.32	AVG			



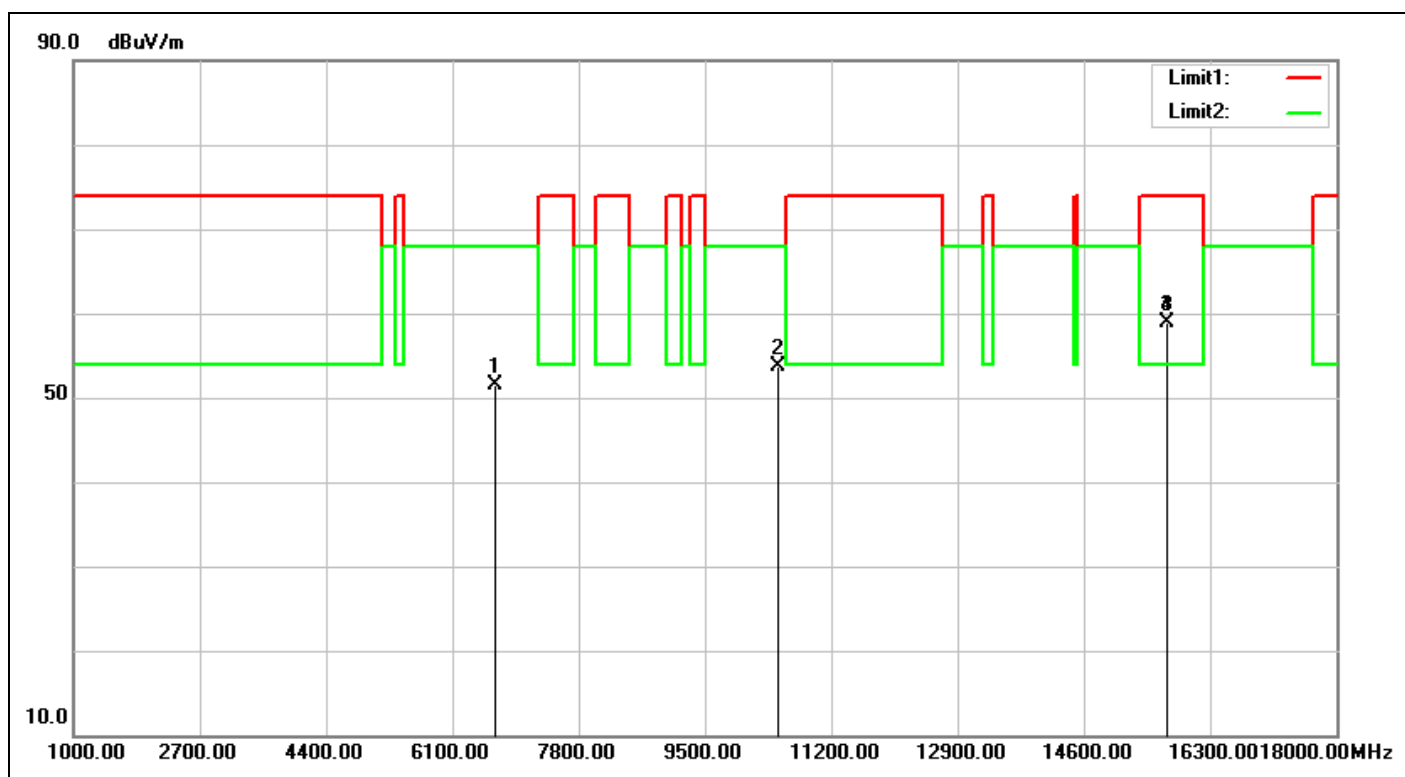
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 16:57:22
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3890.000	-3.97	52.24	48.27	74.00	-25.73	peak	100	59	
2	10440.000	5.78	48.74	54.52	68.00	-13.48	peak			
3	15660.000	12.62	45.62	58.24	74.00	-15.76	peak			
4	15660.000	12.62	33.61	46.23	54.00	-7.77	AVG			



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 16:59:24
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5240-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6763.000	6.00	45.66	51.66	68.00	-16.34	peak	100	77	
2	10480.000	5.74	47.02	52.76	68.00	-15.24	peak			
3	15720.000	12.90	45.95	58.85	74.00	-15.15	peak			
4	15720.000	12.90	45.95	58.85	74.00	-15.15	peak			



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:00:27
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5240-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6678.000	6.14	45.36	51.50	68.00	-16.50	peak	100	241	
2	10480.000	5.74	47.96	53.70	68.00	-14.30	peak			
3	15720.000	12.90	46.08	58.98	74.00	-15.02	peak			
4	15720.000	12.90	46.08	58.98	74.00	-15.02	peak			

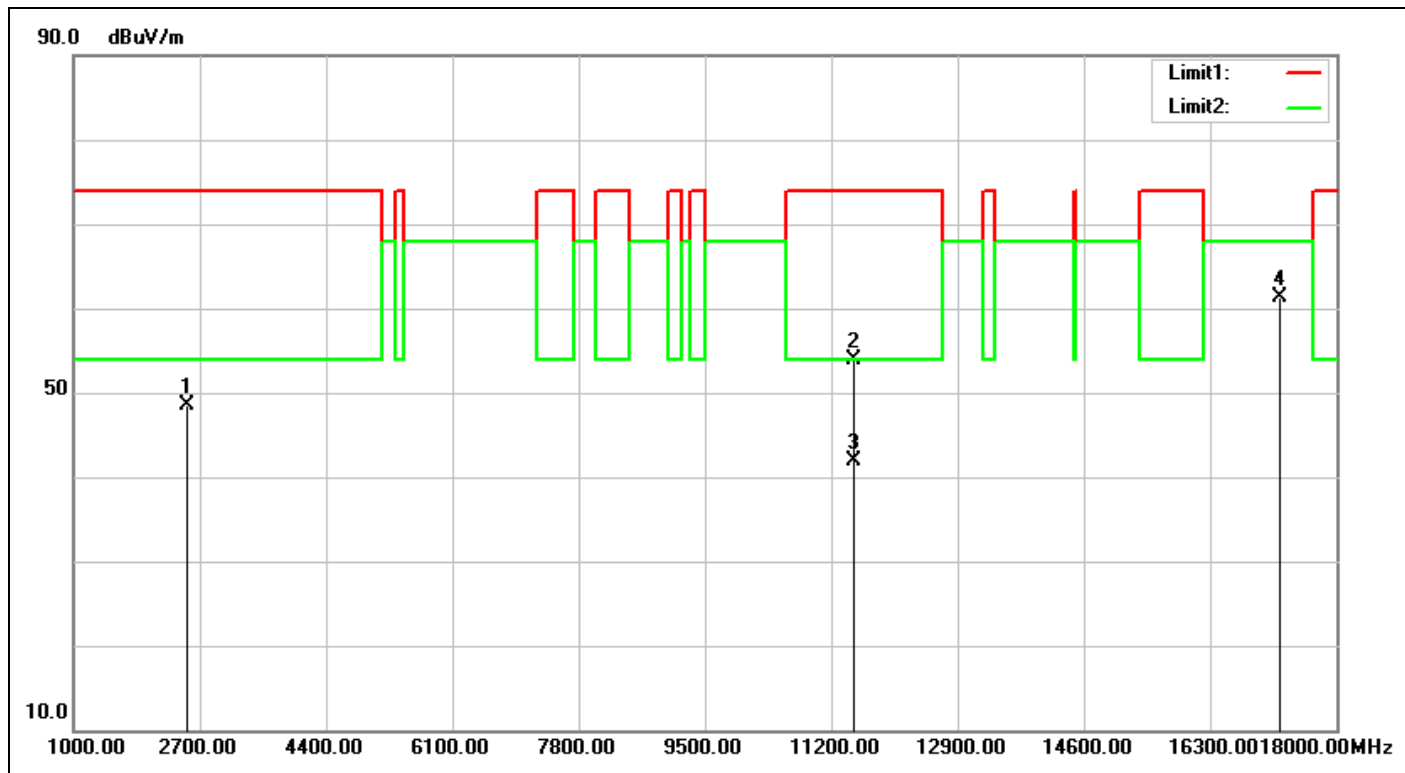
Spurious Emissions, TX Mode, 1-18G , 5725-5850MHz



TUV Taiwan

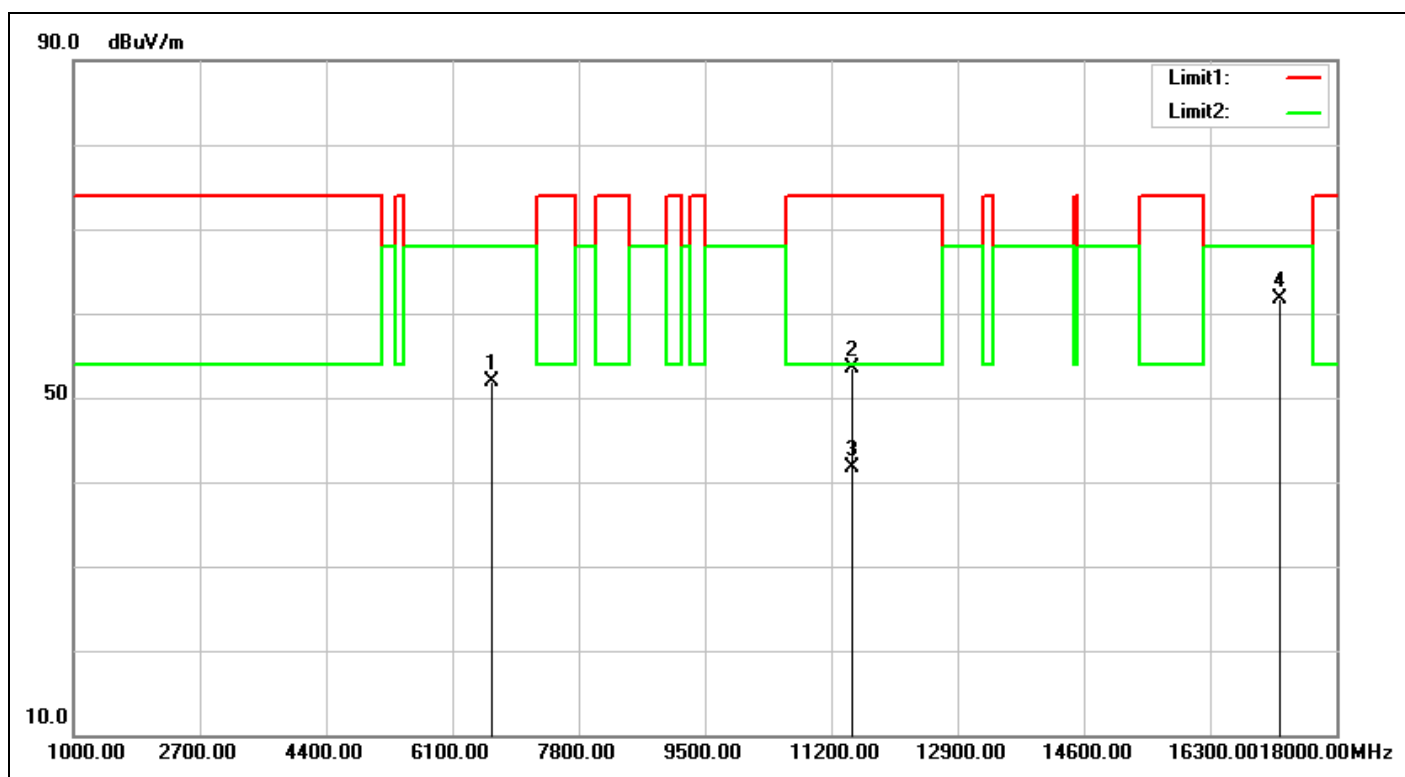
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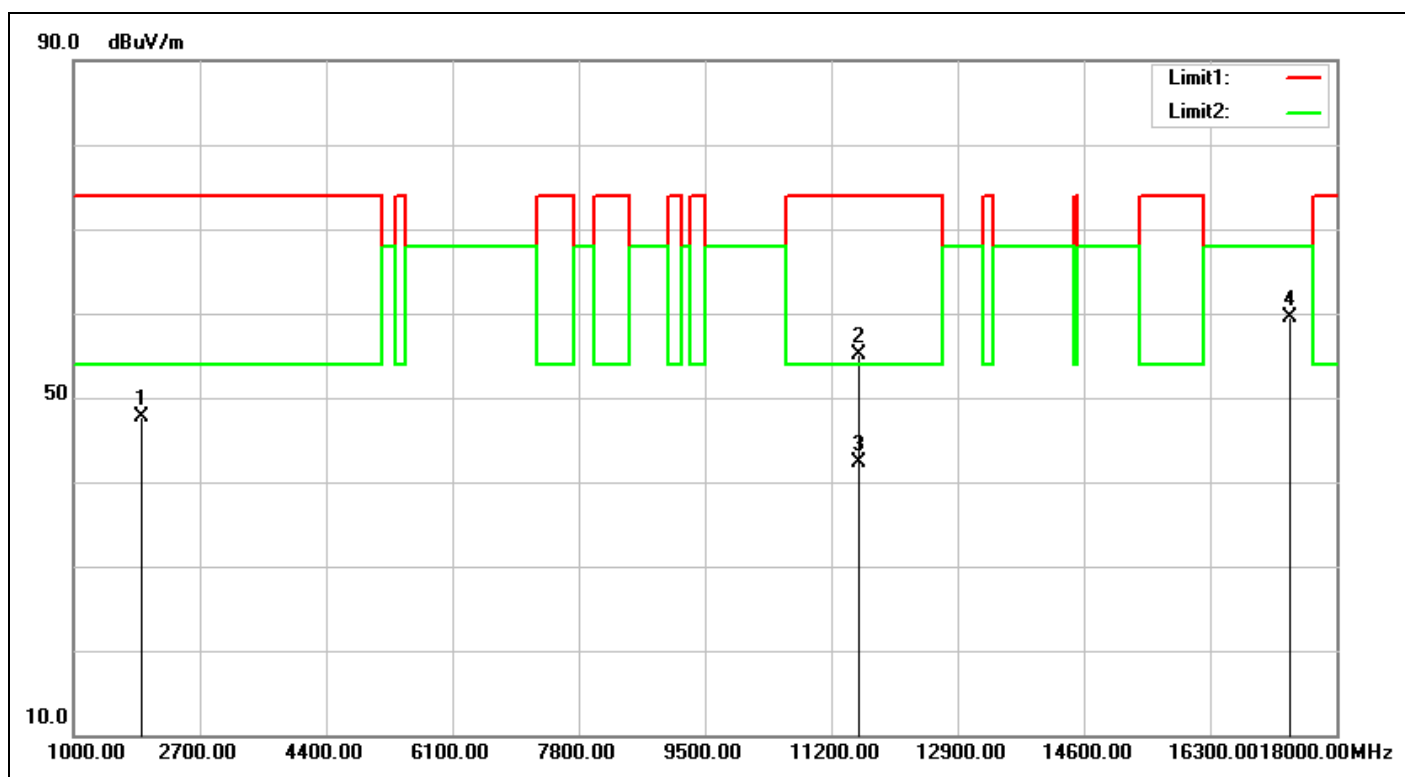
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 17:10:10
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2530.000	-5.97	54.40	48.43	74.00	-25.57	peak	100	194	
2	11490.000	5.80	48.06	53.86	74.00	-20.14	peak			
3	11490.000	5.80	36.20	42.00	54.00	-12.00	AVG			
4	17235.000	16.20	45.18	61.38	68.00	-6.62	peak			



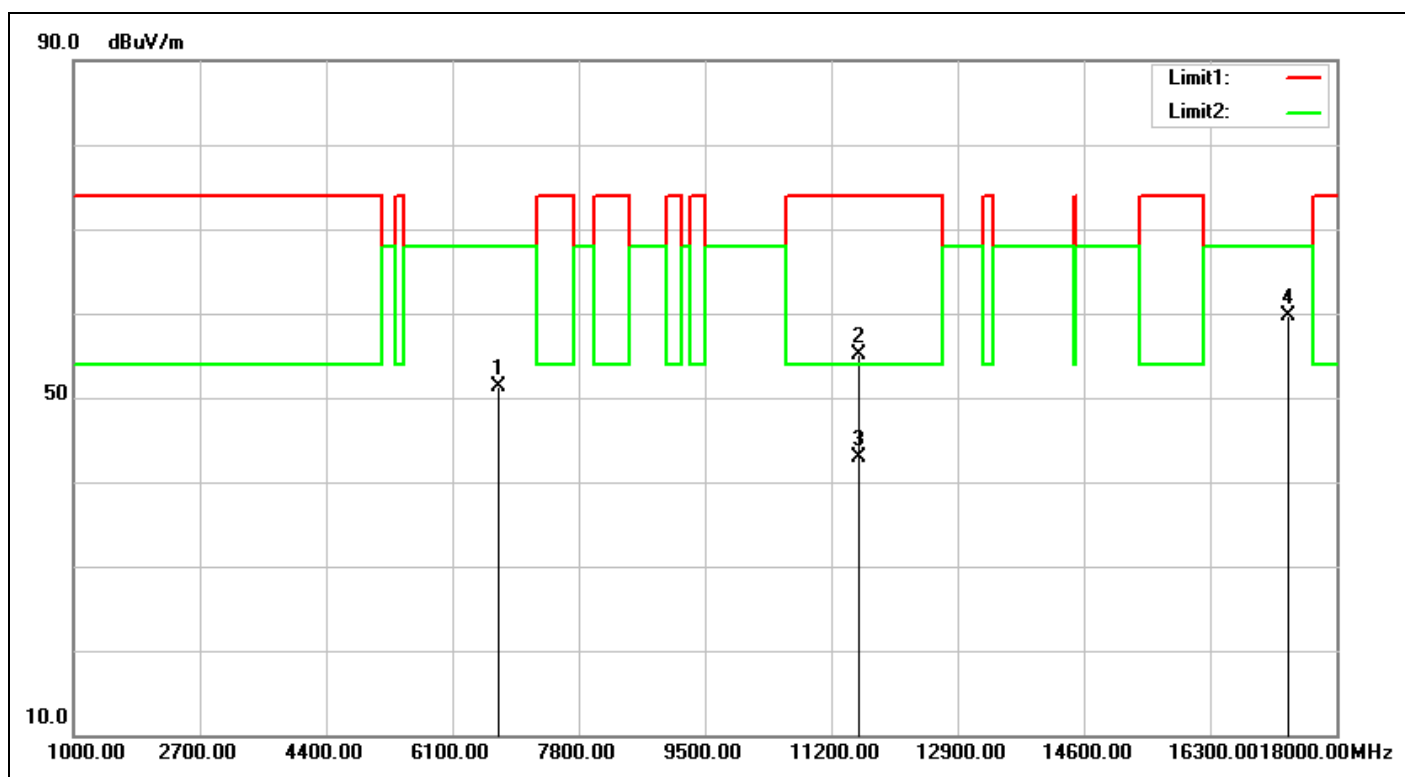
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:11:12
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6627.000	6.21	45.62	51.83	68.00	-16.17	peak	100	39	
2	11490.000	5.80	47.79	53.59	74.00	-20.41	peak			
3	11490.000	5.80	36.00	41.80	54.00	-12.20	AVG			
4	17235.000	16.20	45.52	61.72	68.00	-6.28	peak			



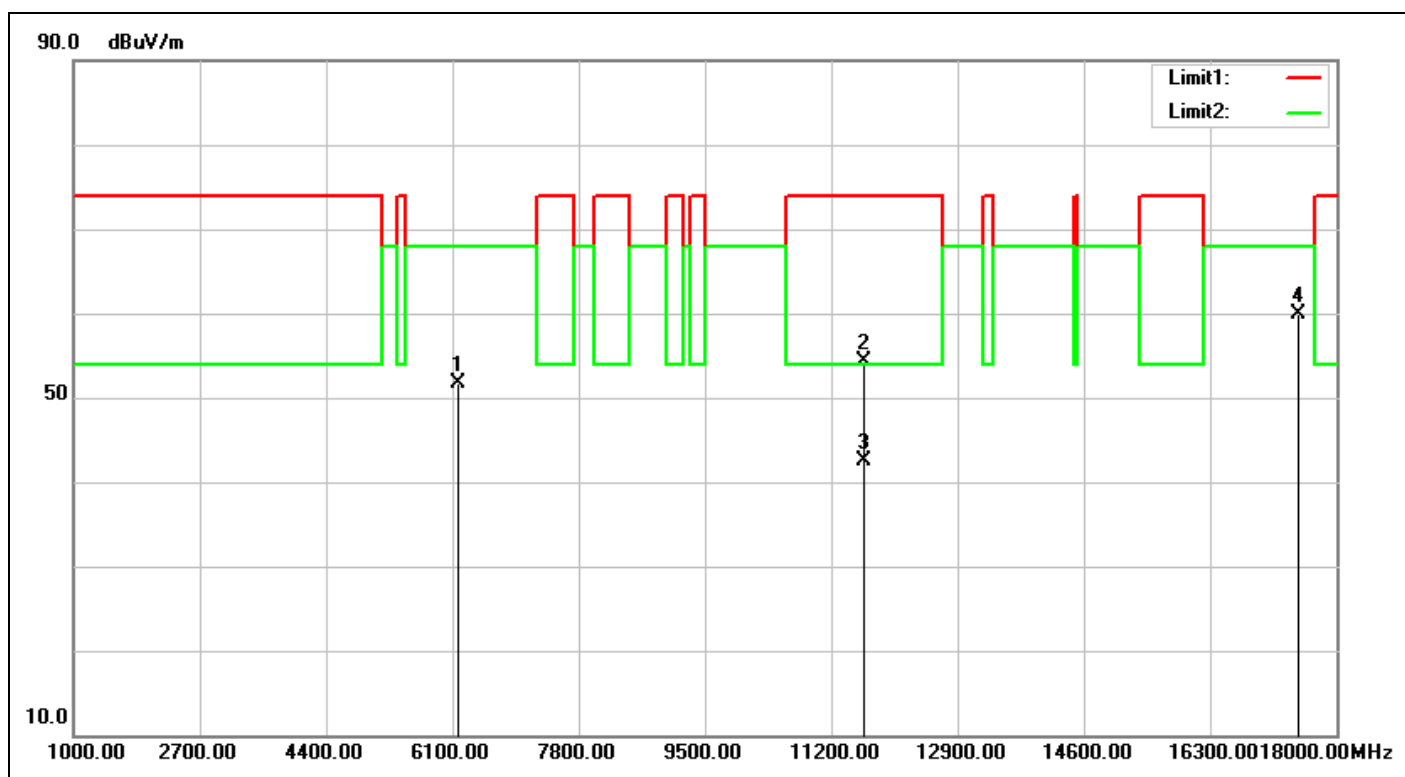
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 17:14:23
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.47	55.15	47.68	74.00	-26.32	peak	100	309	
2	11570.000	6.06	49.03	55.09	74.00	-18.91	peak			
3	11570.000	6.06	36.24	42.30	54.00	-11.70	AVG			
4	17355.000	16.07	43.41	59.48	68.00	-8.52	peak			



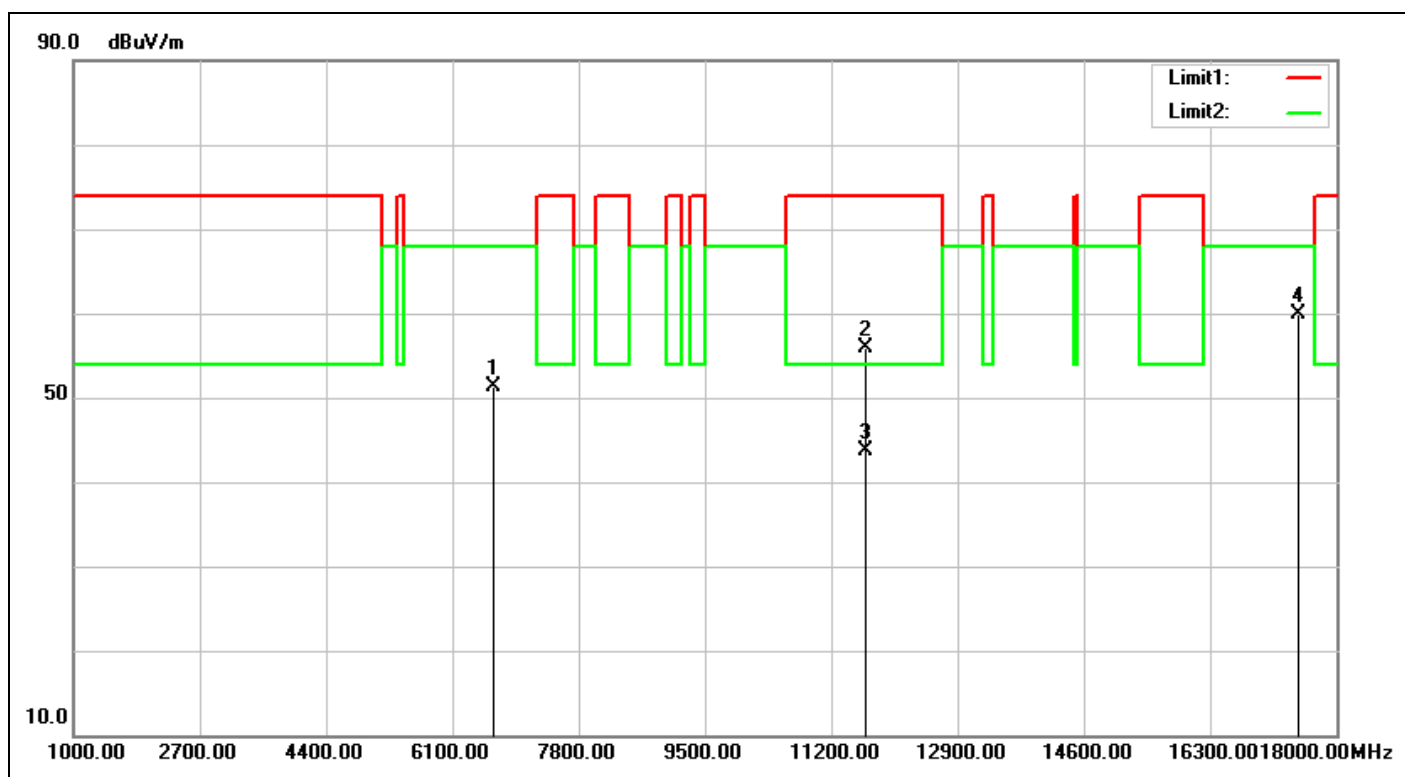
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:15:26
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%) :	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6729.000	6.06	45.17	51.23	68.00	-16.77	peak	100	86	
2	11570.000	6.06	48.96	55.02	74.00	-18.98	peak			
3	11570.000	6.06	36.94	43.00	54.00	-11.00	AVG			
4	17355.000	16.07	43.63	59.70	68.00	-8.30	peak			



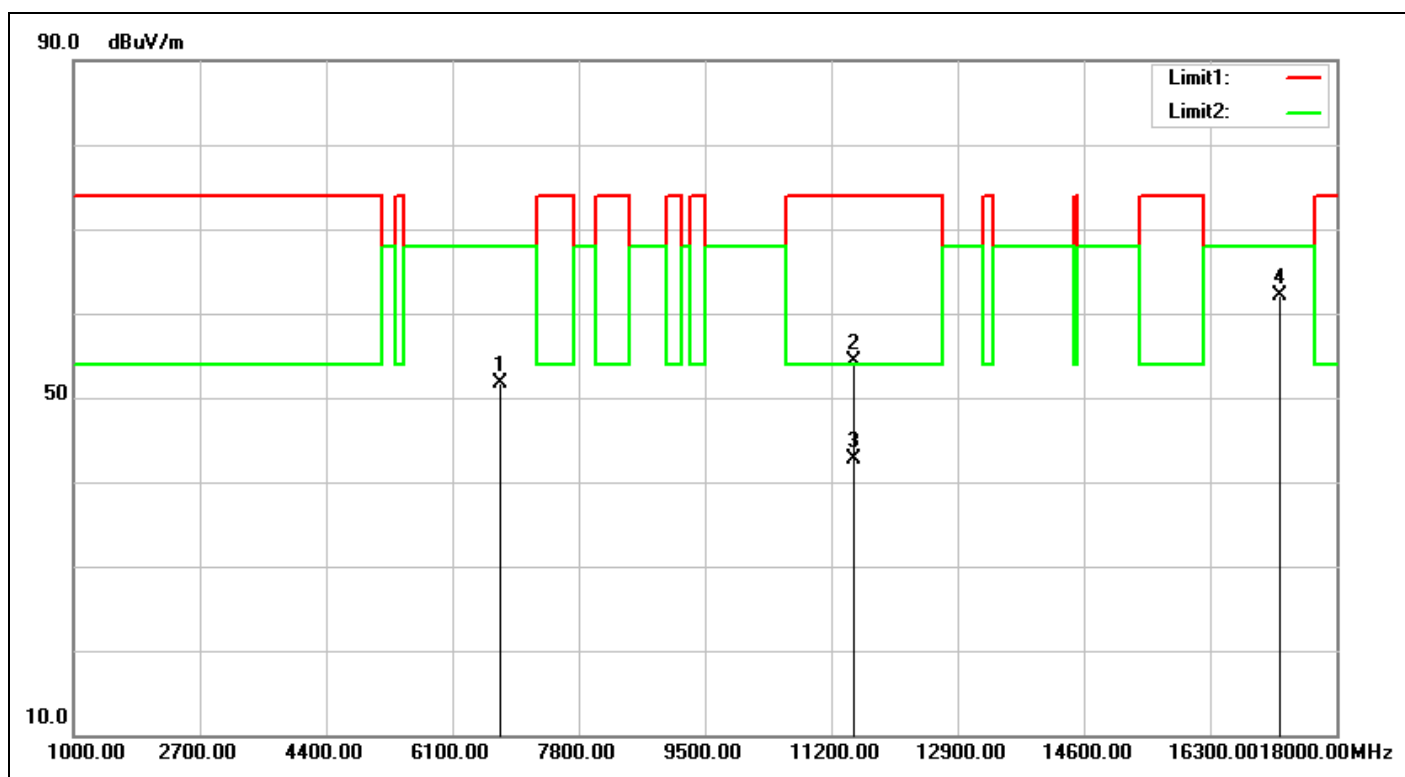
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 17:42:46
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6185.000	5.37	46.33	51.70	68.00	-16.30	peak	100	310	
2	11650.000	6.35	47.89	54.24	74.00	-19.76	peak			
3	11650.000	6.35	36.25	42.60	54.00	-11.40	AVG			
4	17475.000	15.94	44.03	59.97	68.00	-8.03	peak			



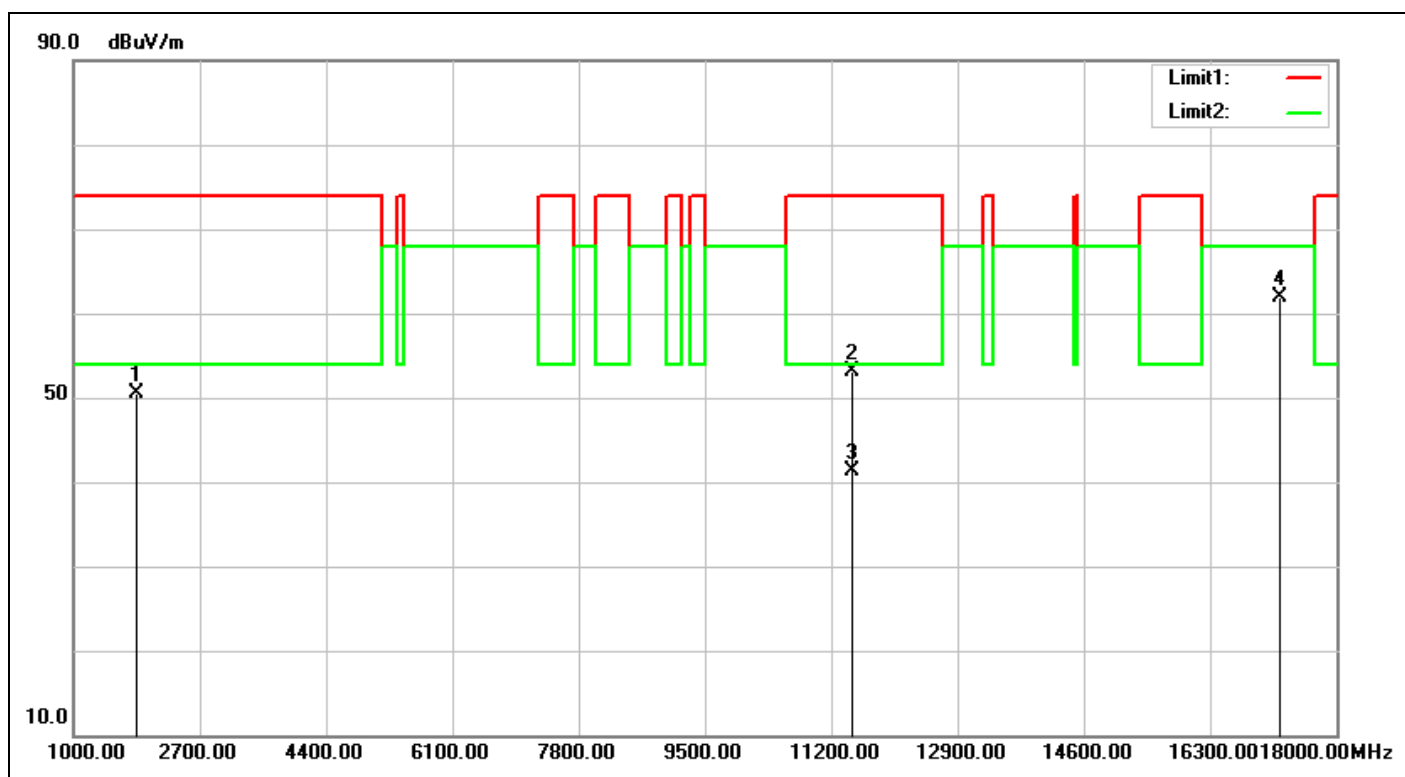
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:43:48
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6644.000	6.19	45.15	51.34	68.00	-16.66	peak	100	161	
2	11650.000	6.35	49.52	55.87	74.00	-18.13	peak			
3	11650.000	6.35	37.45	43.80	54.00	-10.20	AVG			
4	17475.000	15.94	44.01	59.95	68.00	-8.05	peak			



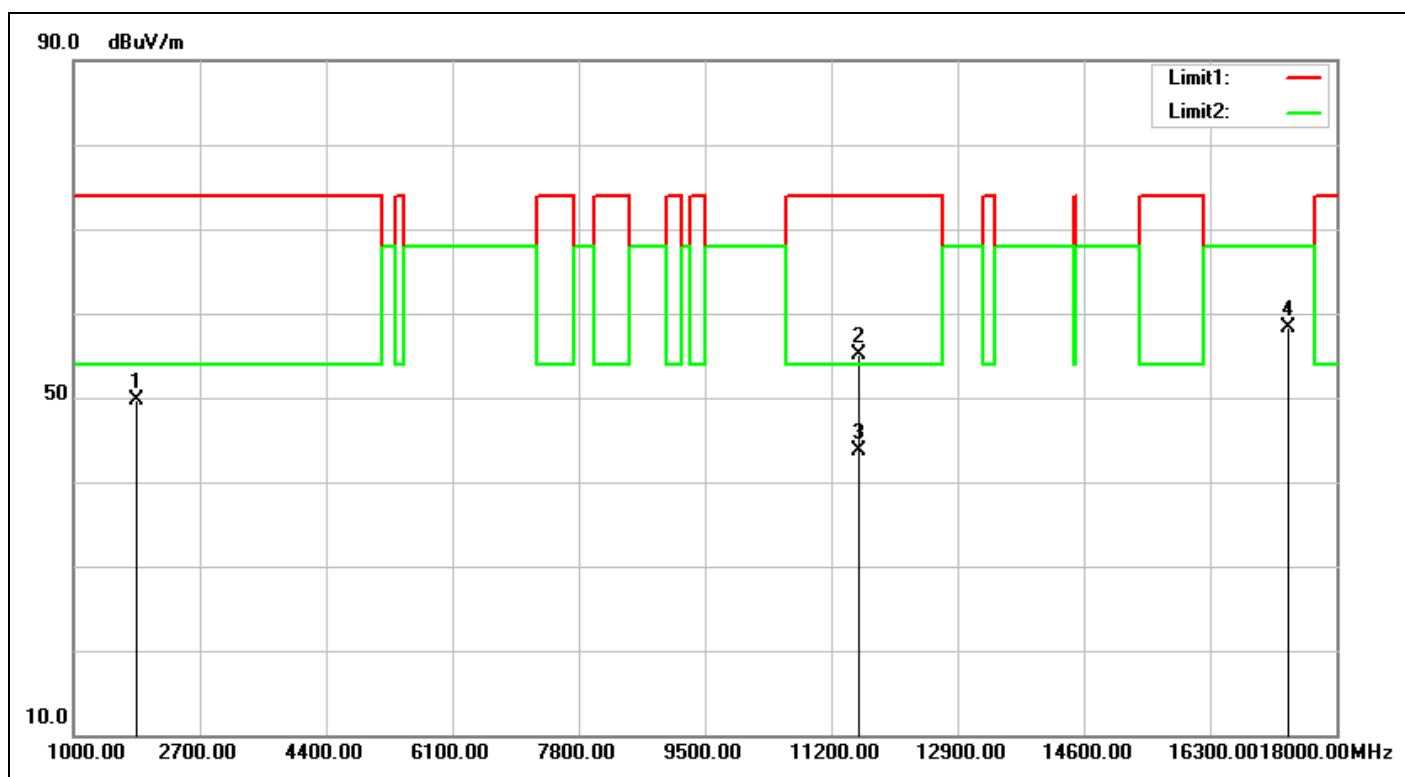
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 17:45:59
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6746.000	6.02	45.73	51.75	68.00	-16.25	peak	100	246	
2	11490.000	5.80	48.59	54.39	74.00	-19.61	peak			
3	11490.000	5.80	36.90	42.70	54.00	-11.30	AVG			
4	17235.000	16.20	45.90	62.10	68.00	-5.90	peak			



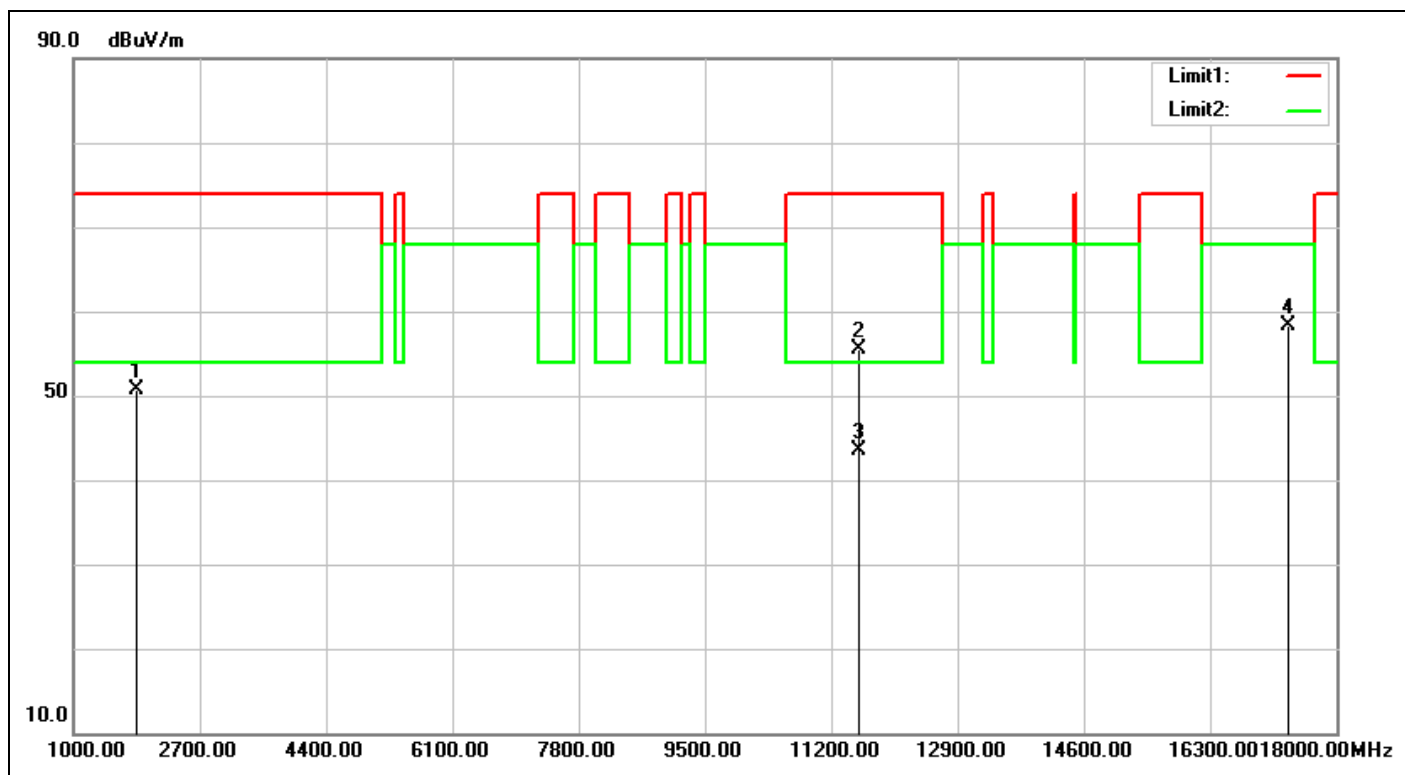
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:47:01
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%) :	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1850.000	-7.84	58.40	50.56	74.00	-23.44	peak	100	31	
2	11490.000	5.80	47.28	53.08	74.00	-20.92	peak			
3	11490.000	5.80	35.50	41.30	54.00	-12.70	AVG			
4	17235.000	16.20	45.63	61.83	68.00	-6.17	peak			



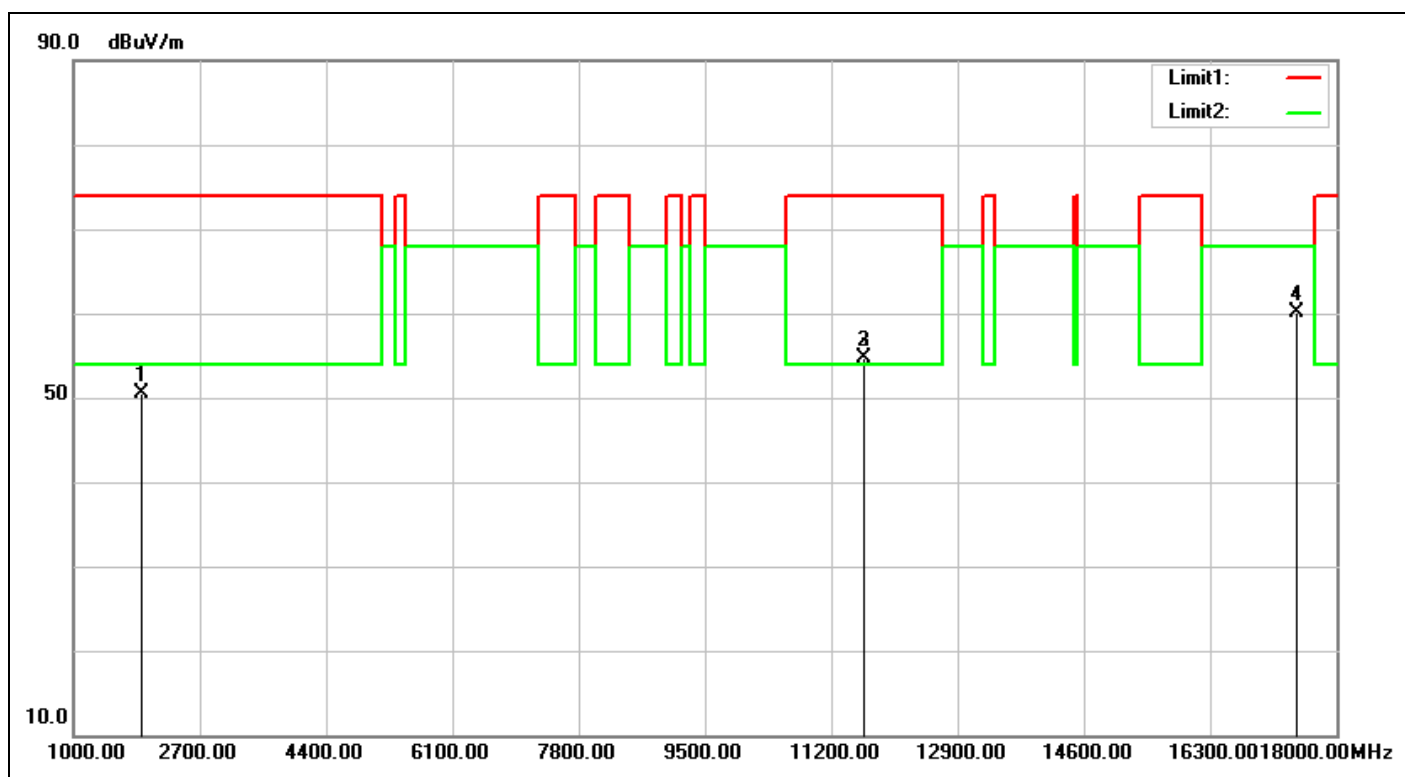
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 17:48:58
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1850.000	-7.84	57.55	49.71	74.00	-24.29	peak	100	91	
2	11570.000	6.06	49.08	55.14	74.00	-18.86	peak			
3	11570.000	6.06	37.74	43.80	54.00	-10.20	AVG			
4	17355.000	16.07	42.16	58.23	68.00	-9.77	peak			



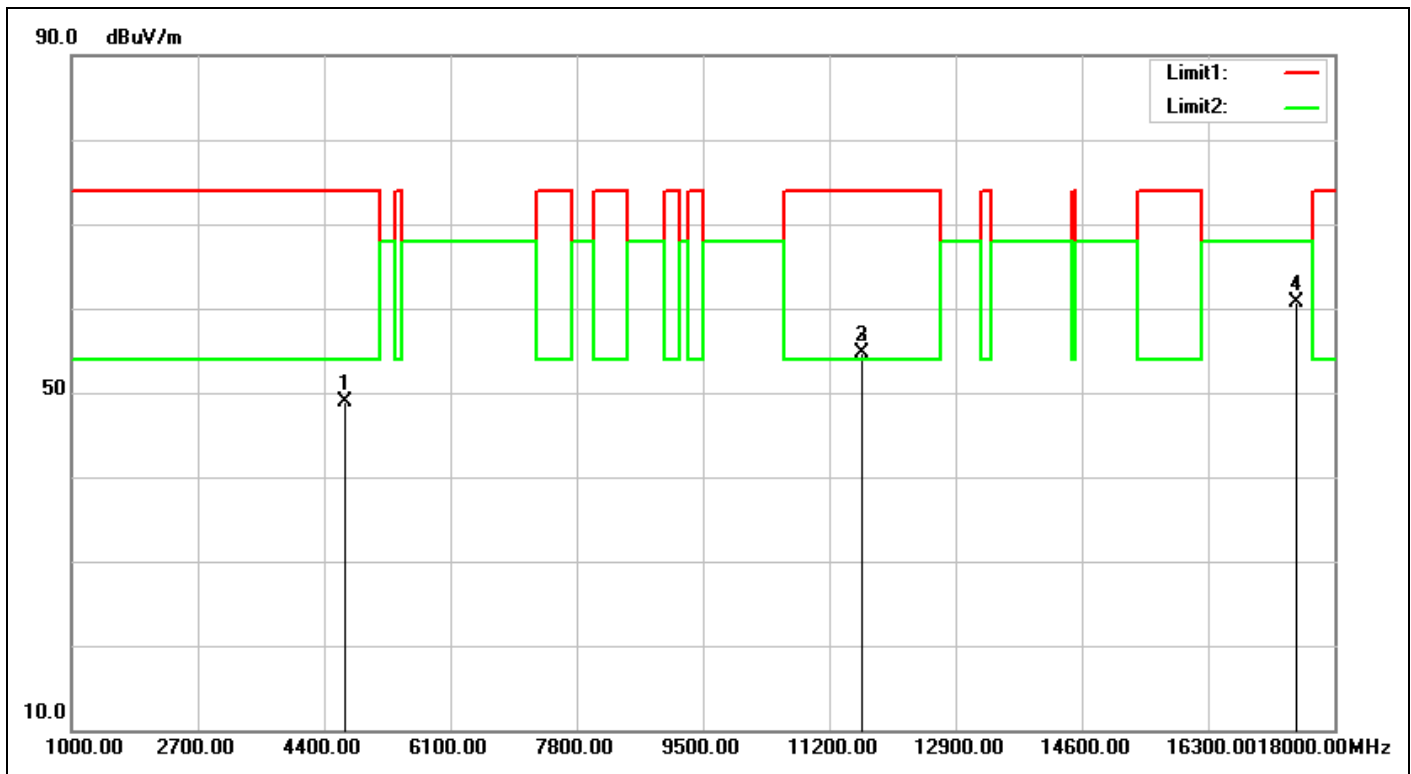
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:50:01
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1850.000	-7.84	58.57	50.73	74.00	-23.27	peak	100	219	
2	11570.000	6.06	49.50	55.56	74.00	-18.44	peak			
3	11570.000	6.06	37.48	43.54	54.00	-10.46	AVG			
4	17355.000	16.07	42.22	58.29	68.00	-9.71	peak			



Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 17:52:47
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.47	58.01	50.54	74.00	-23.46	peak	100	30	
2	11650.000	6.35	48.27	54.62	74.00	-19.38	peak			
3	11650.000	6.35	48.27	54.62	74.00	-19.38	peak			
4	17475.000	15.94	44.07	60.01	68.00	-7.99	peak			



Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:53:49
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4672.000	-2.01	50.97	48.96	74.00	-25.04	peak	100	142	
2	11650.000	6.35	48.30	54.65	74.00	-19.35	peak			
3	11650.000	6.35	48.30	54.65	74.00	-19.35	peak			
4	17475.000	15.94	44.71	60.65	68.00	-7.35	peak			

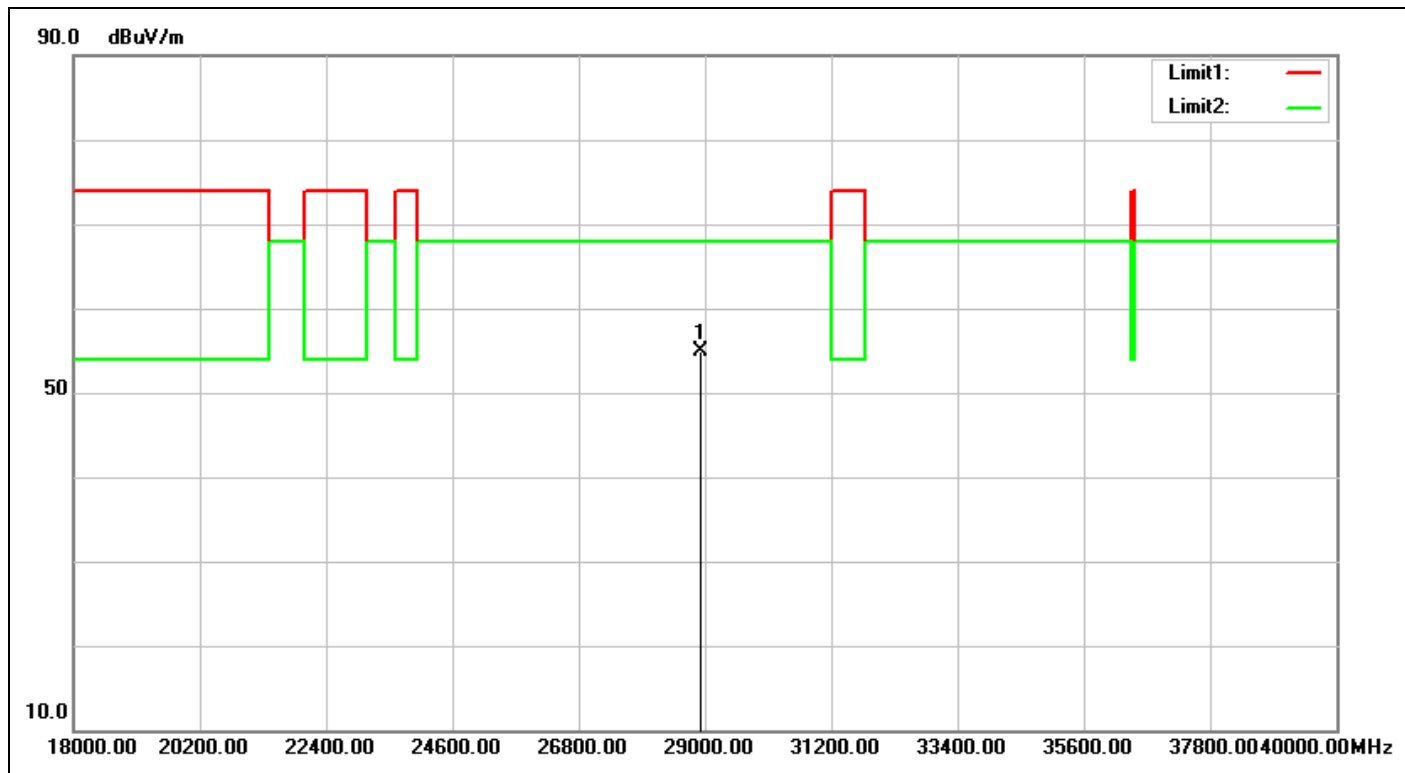
Spurious Emissions, TX Mode, 18-40G , 5150-5250MHz



TUV Taiwan

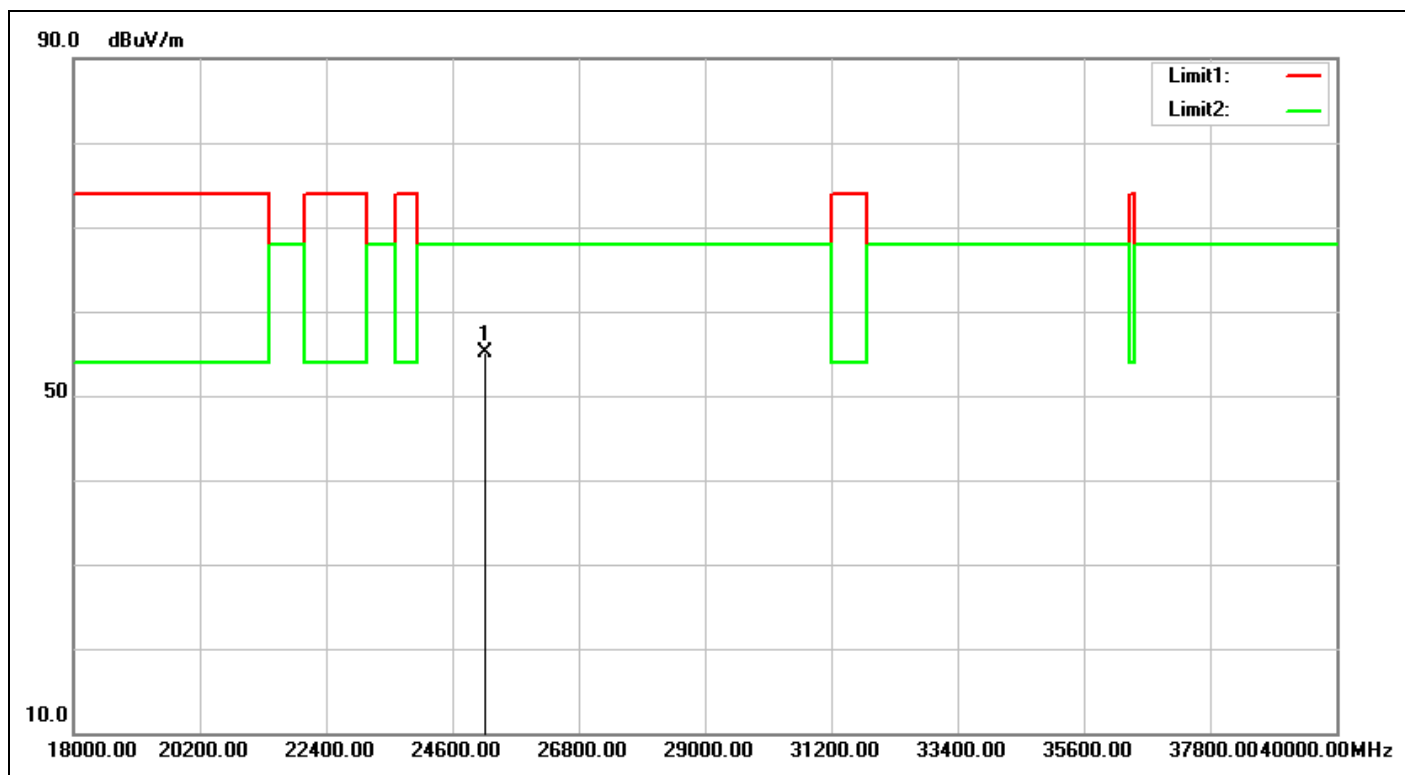
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



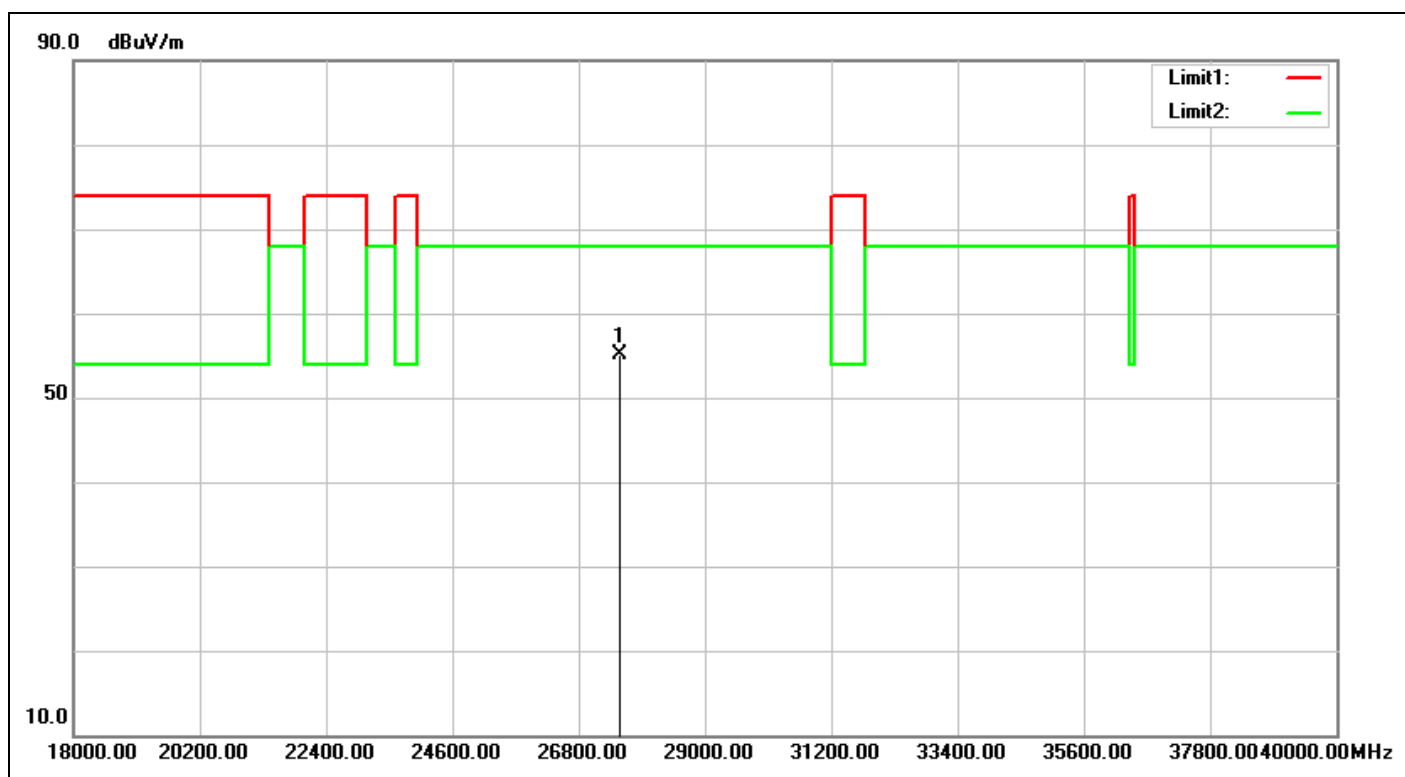
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:08:09
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	28912.000	35.97	18.97	54.94	68.00	-13.06	peak		0	



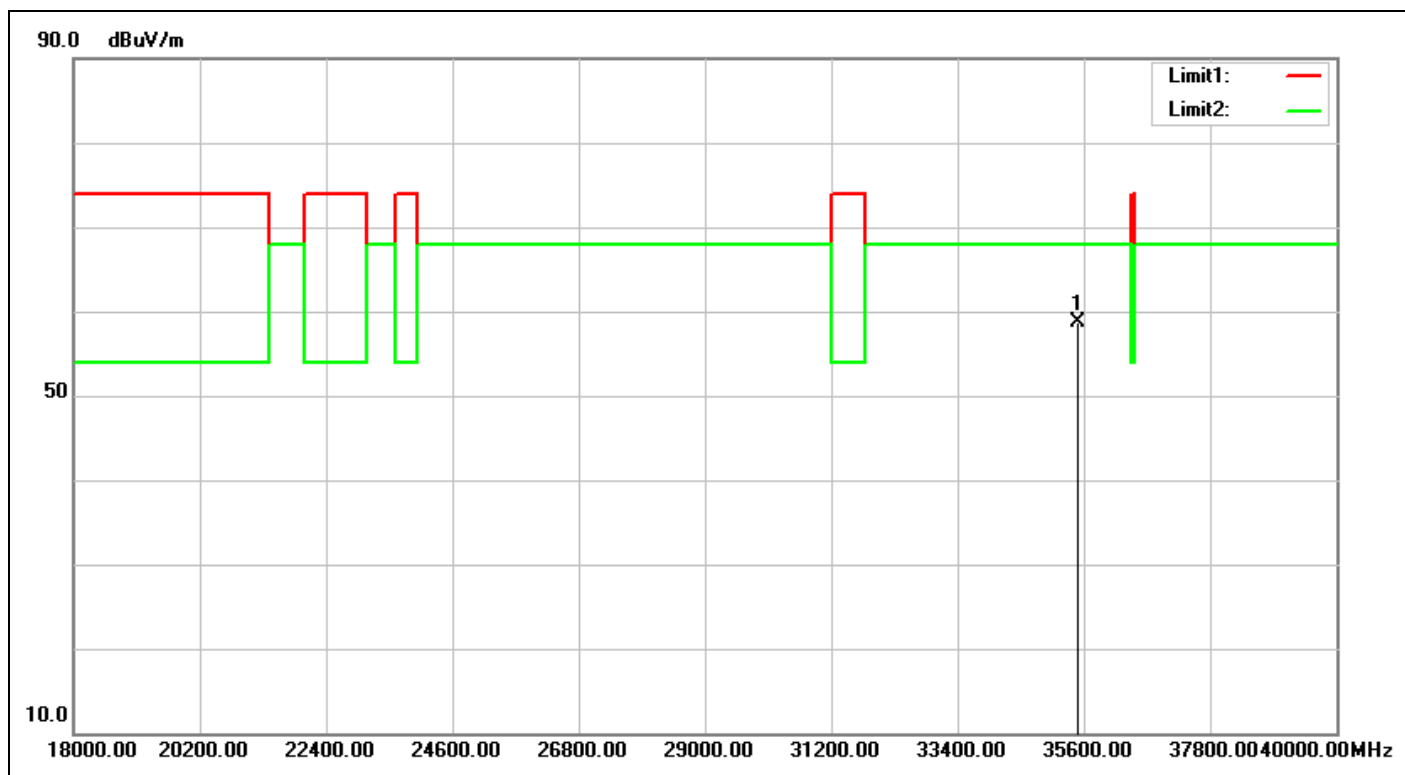
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:08:17
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25172.000	34.41	20.70	55.11	68.00	-12.89	peak			



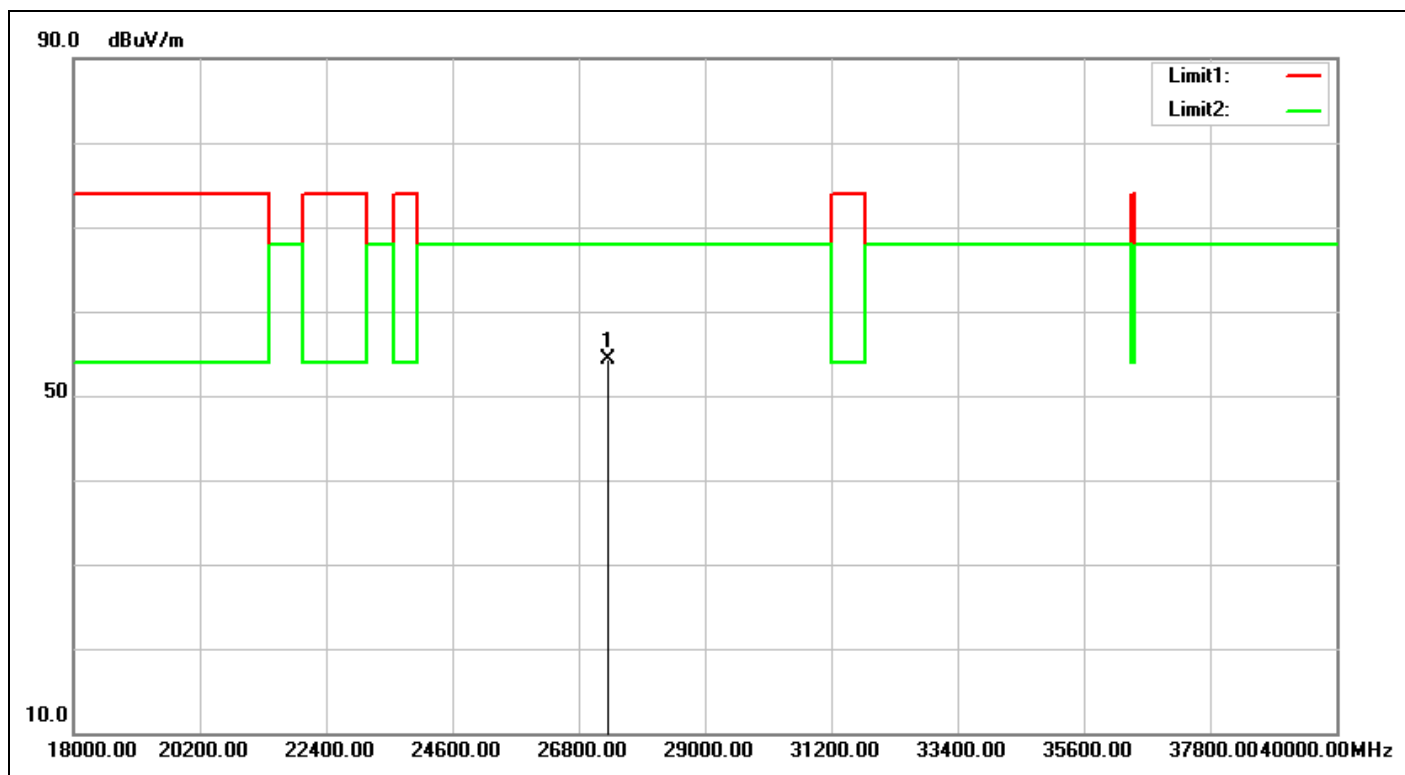
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:08:32
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	27526.000	35.22	19.90	55.12	68.00	-12.88	peak			



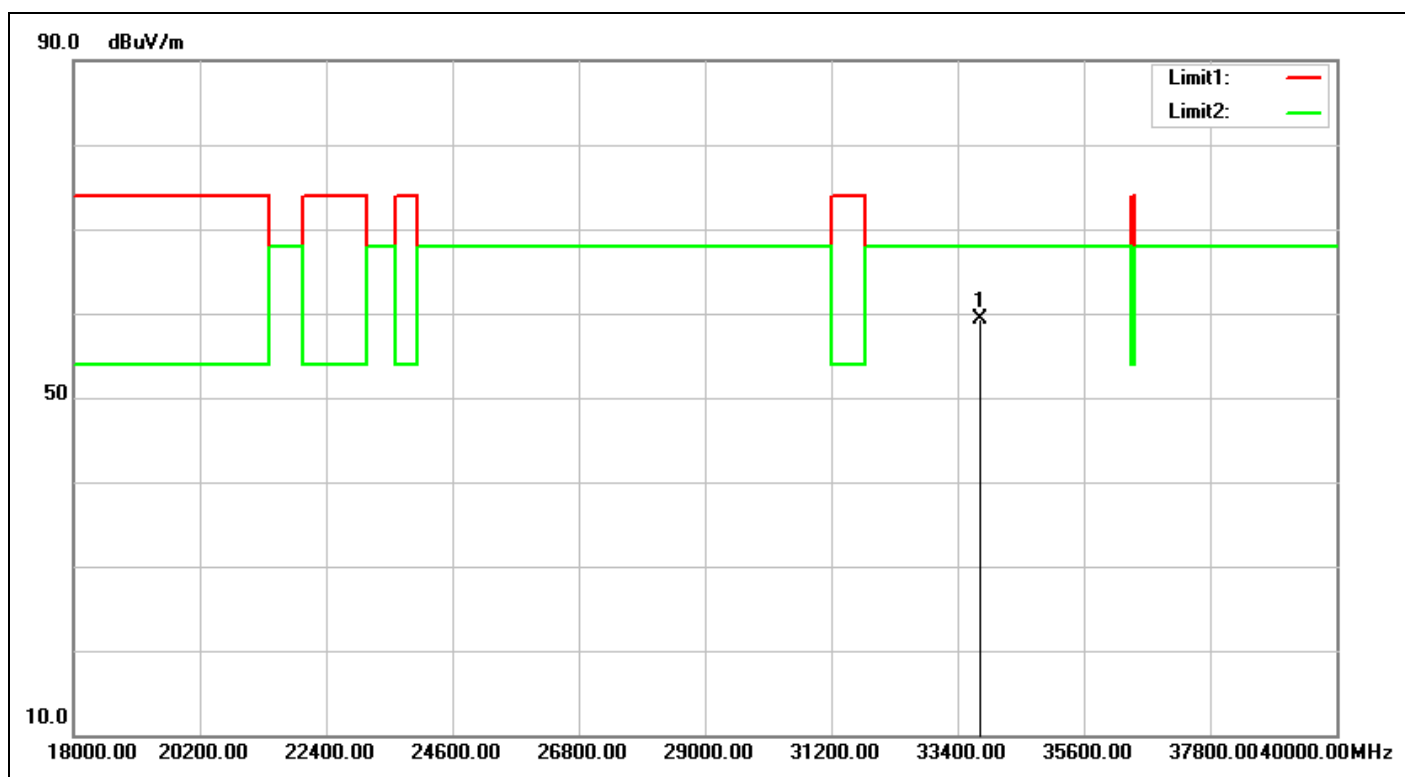
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:08:40
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35490.000	38.30	20.31	58.61	68.00	-9.39	peak			



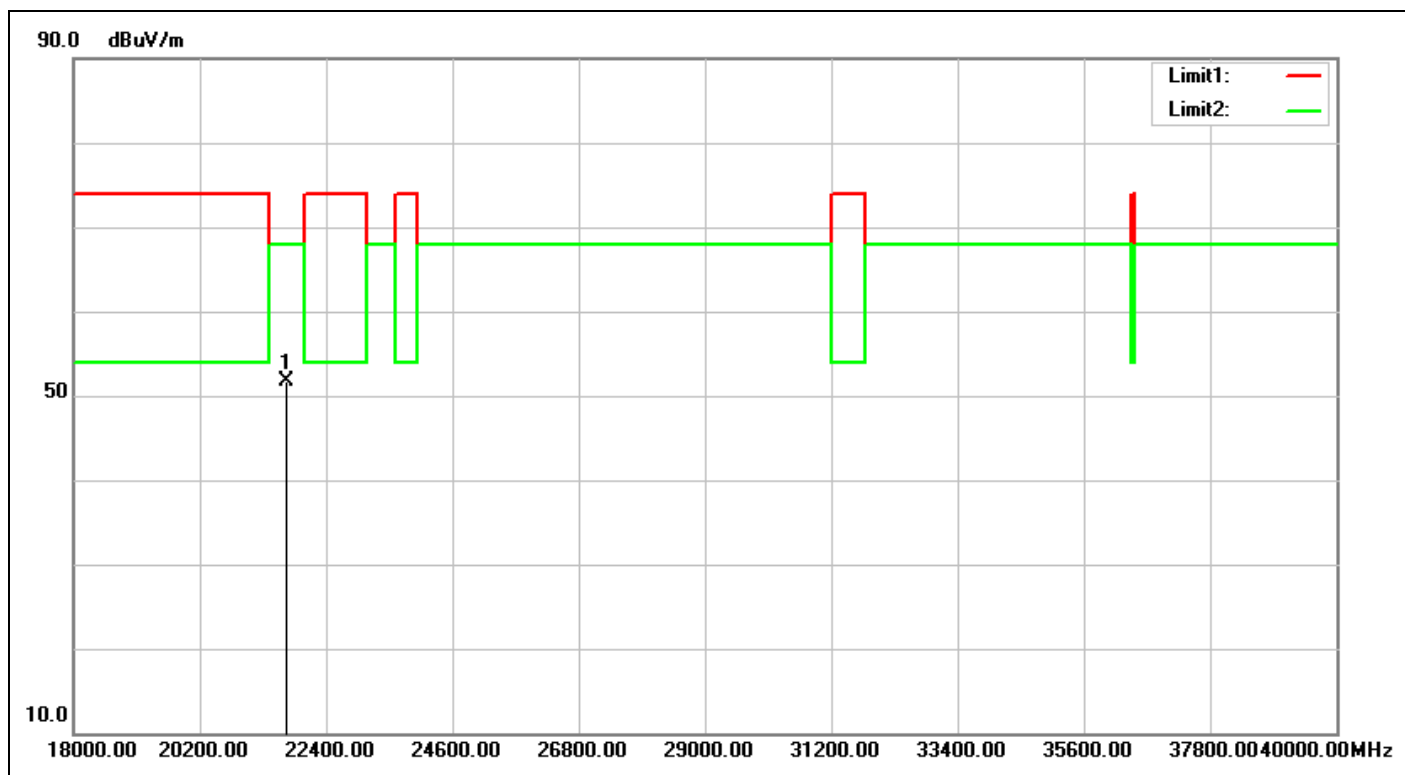
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:09:02
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	27306.000	35.26	19.13	54.39	68.00	-13.61	peak			



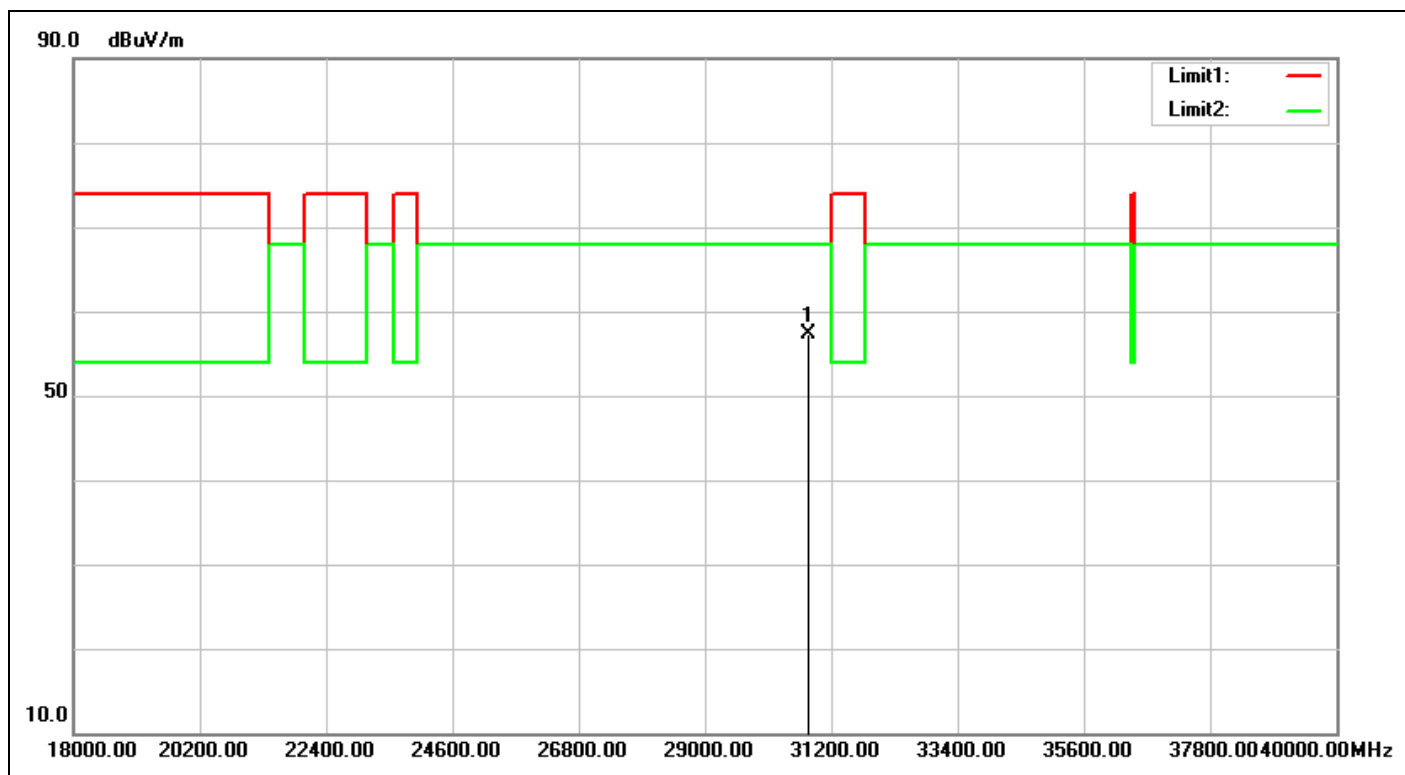
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:09:11
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	33796.000	38.30	21.01	59.31	68.00	-8.69	peak			



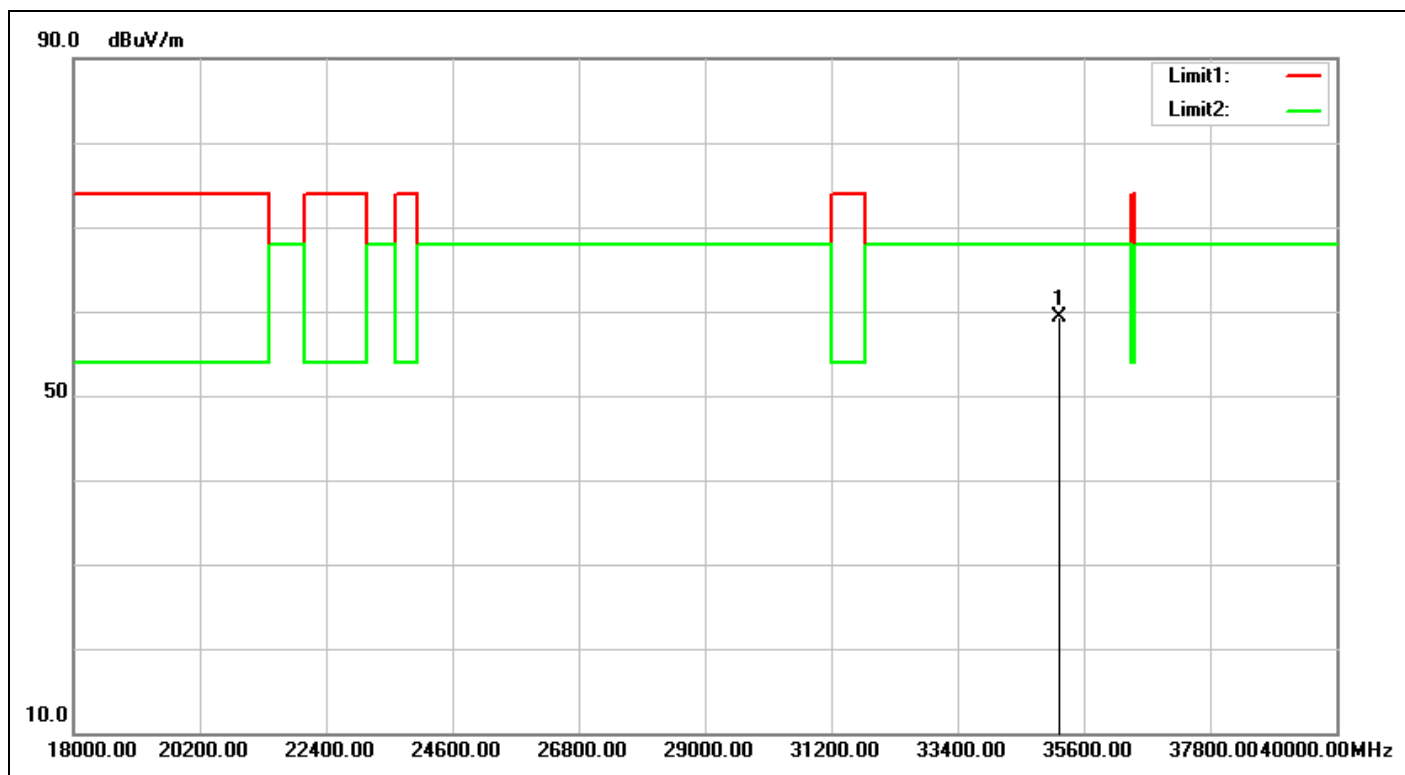
Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:09:23
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5240-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21718.000	32.85	18.77	51.62	68.00	-16.38	peak			



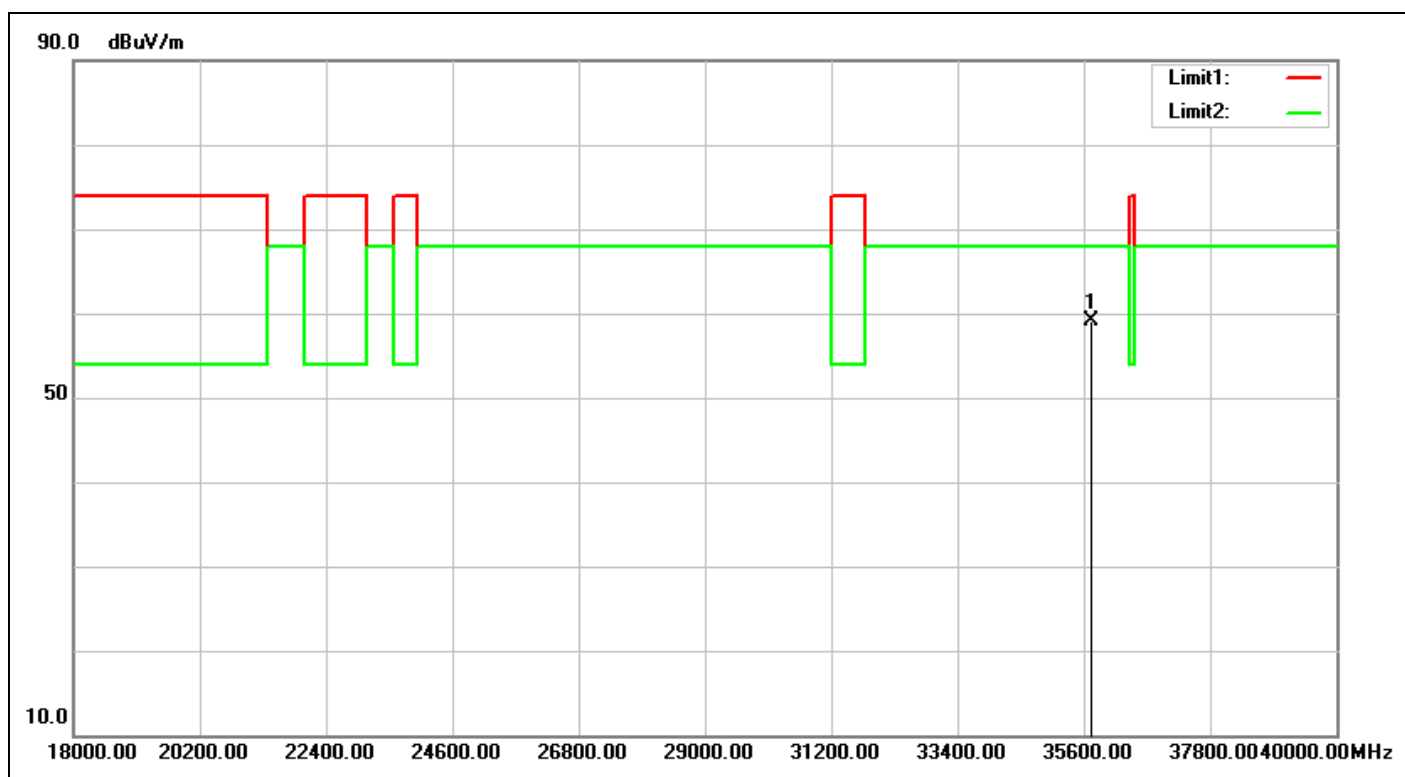
Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:09:35
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5240-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30804.000	37.60	19.69	57.29	68.00	-10.71	peak			



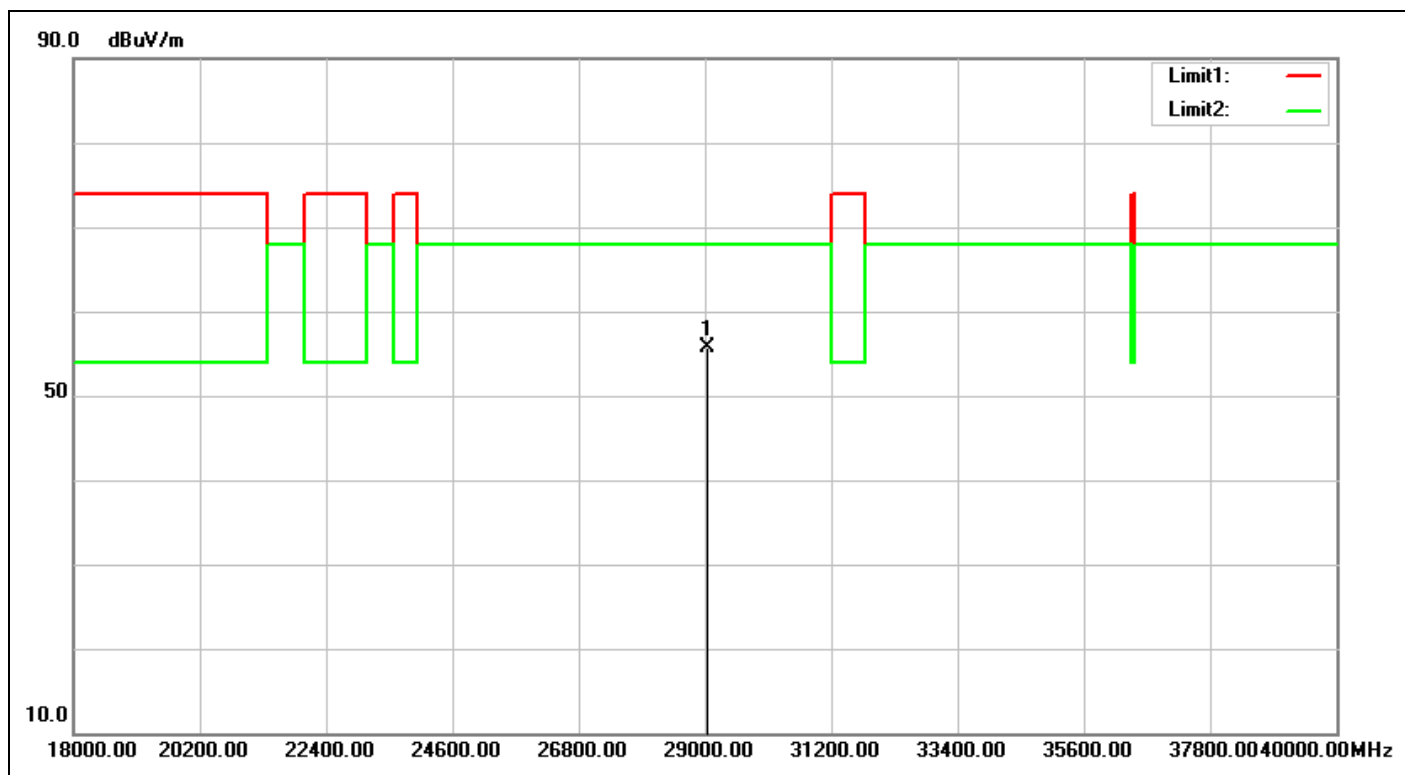
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:09:53
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35182.000	38.77	20.55	59.32	68.00	-8.68	peak			



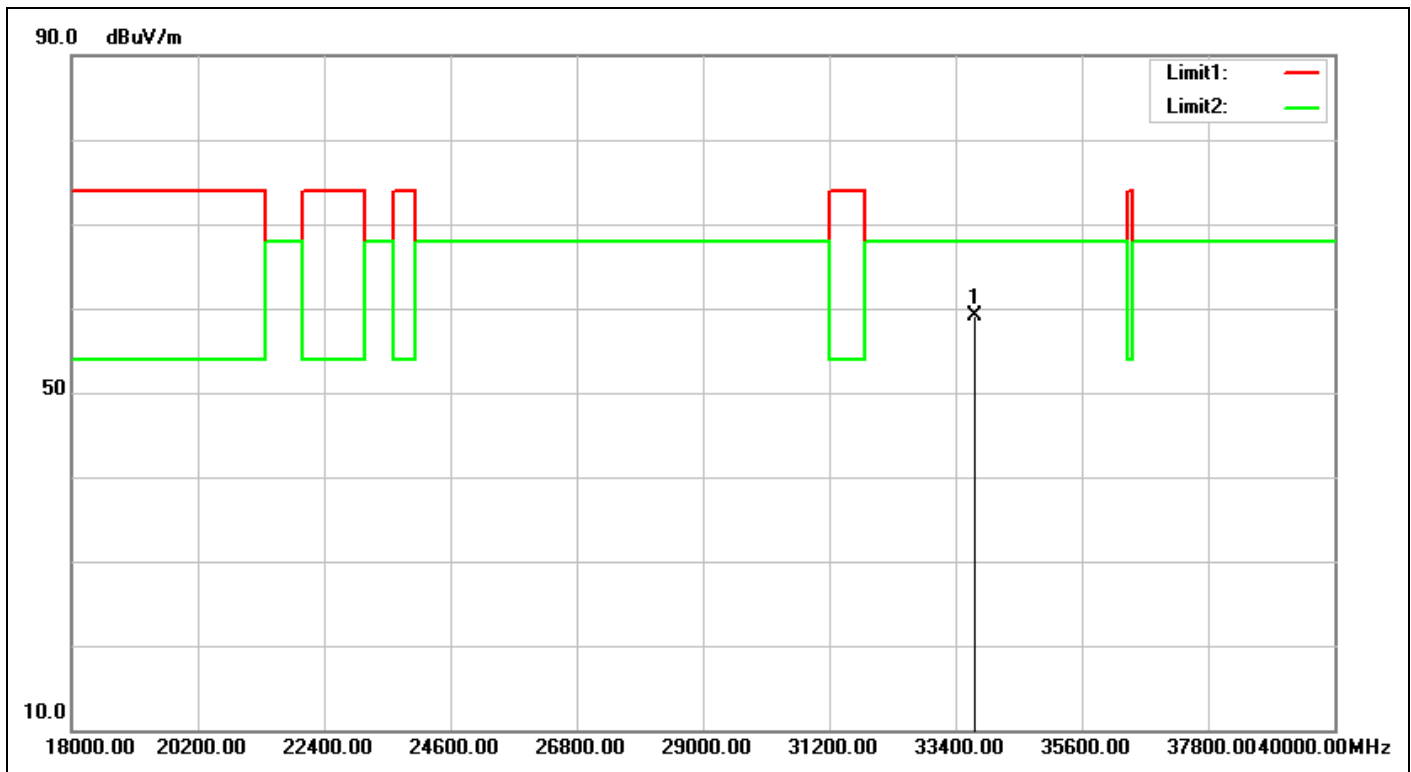
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:10:01
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5180-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35732.000	38.58	20.59	59.17	68.00	-8.83	peak			



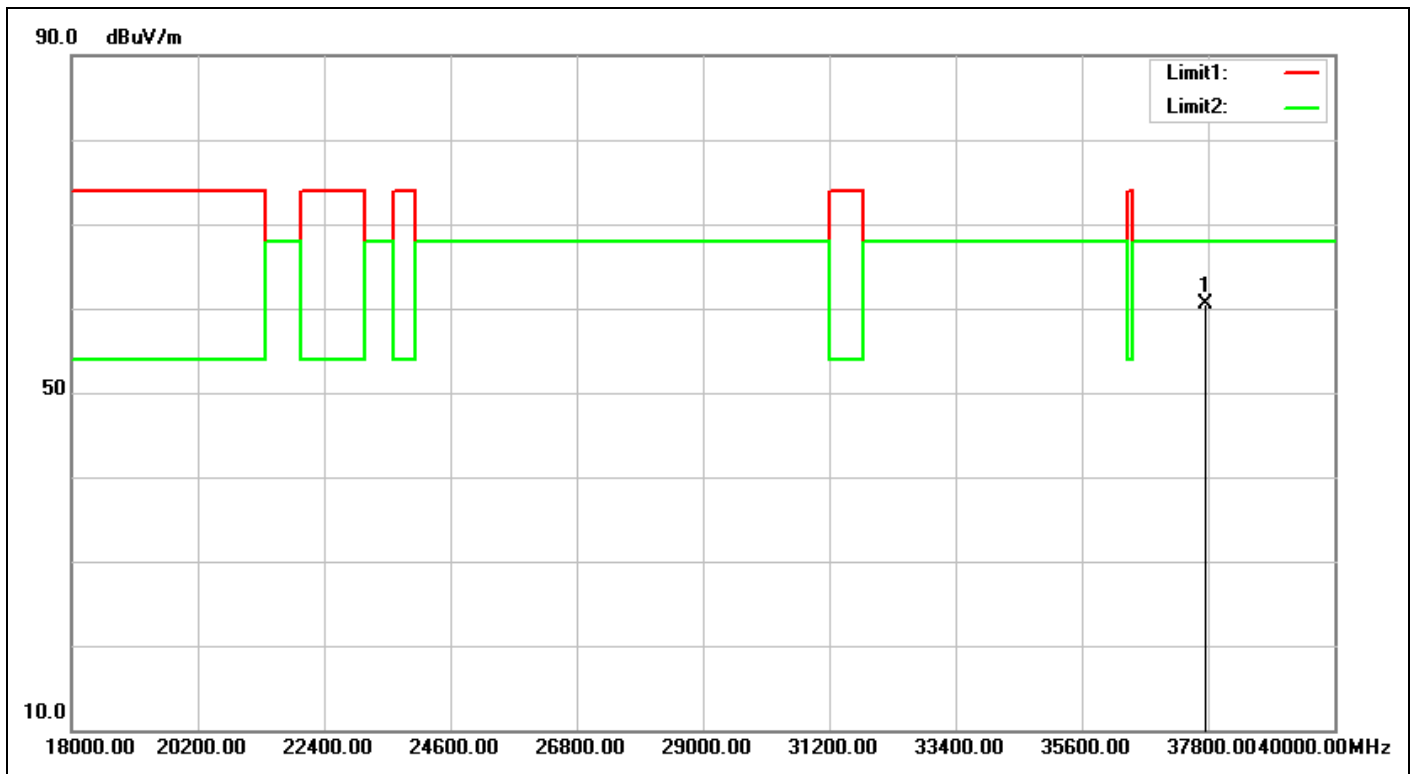
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:10:15
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	29044.000	36.06	19.67	55.73	68.00	-12.27	peak			



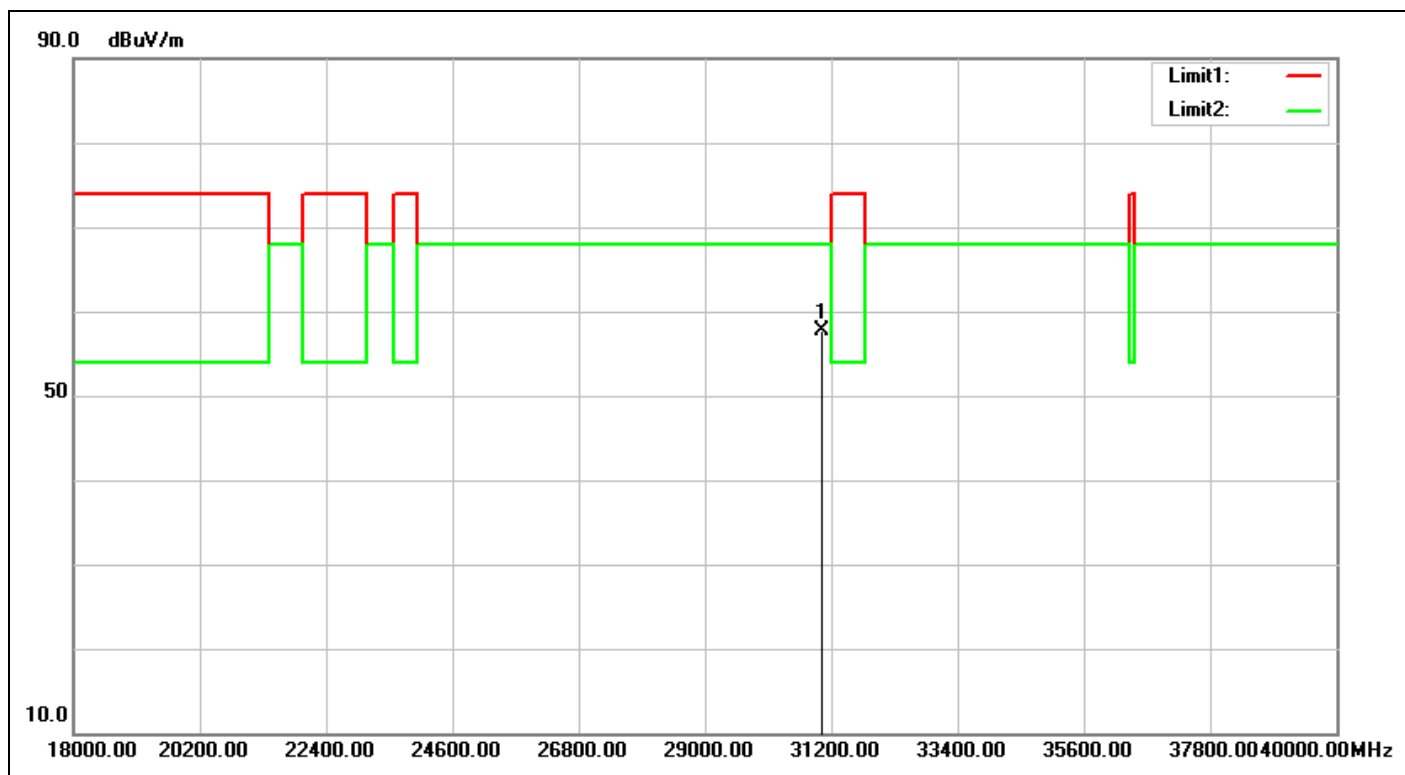
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:10:23
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5200-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	33730.000	38.23	20.86	59.09	68.00	-8.91	peak			



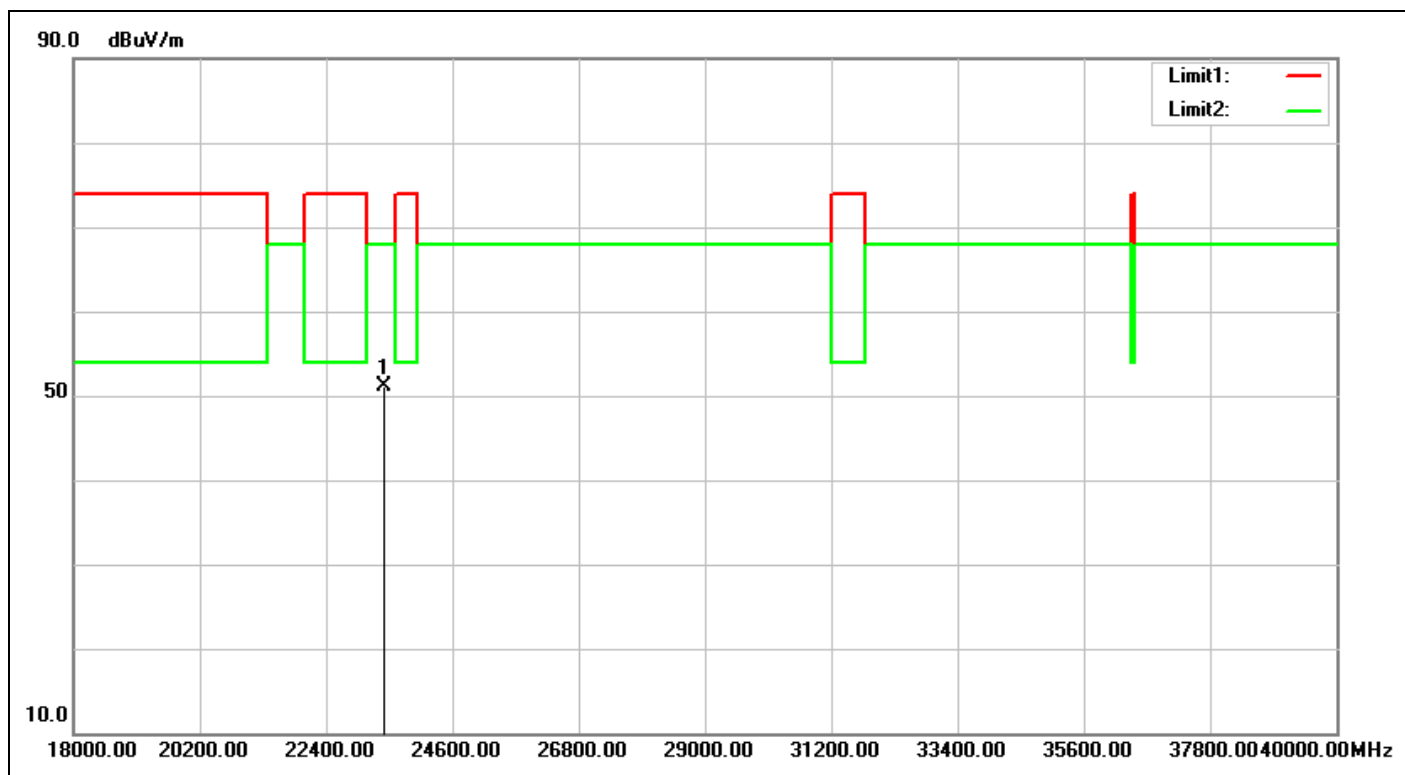
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:10:41
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	37756.000	38.56	21.94	60.50	68.00	-7.50	peak			



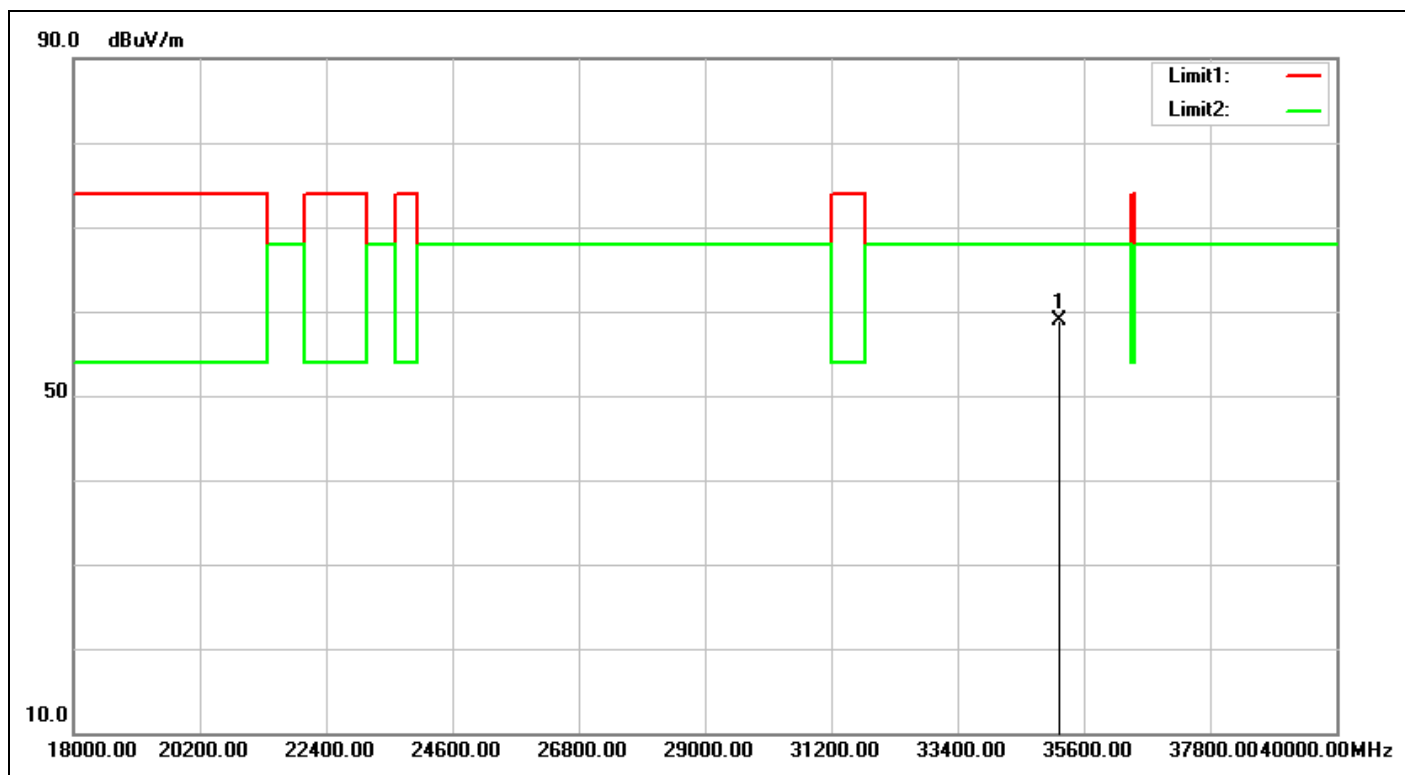
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:10:50
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	31024.000	37.87	19.89	57.76	68.00	-10.24	peak			



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:11:03
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5240-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23412.000	32.77	18.33	51.10	68.00	-16.90	peak			



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:11:16
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5240-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35160.000	38.81	20.11	58.92	68.00	-9.08	peak			

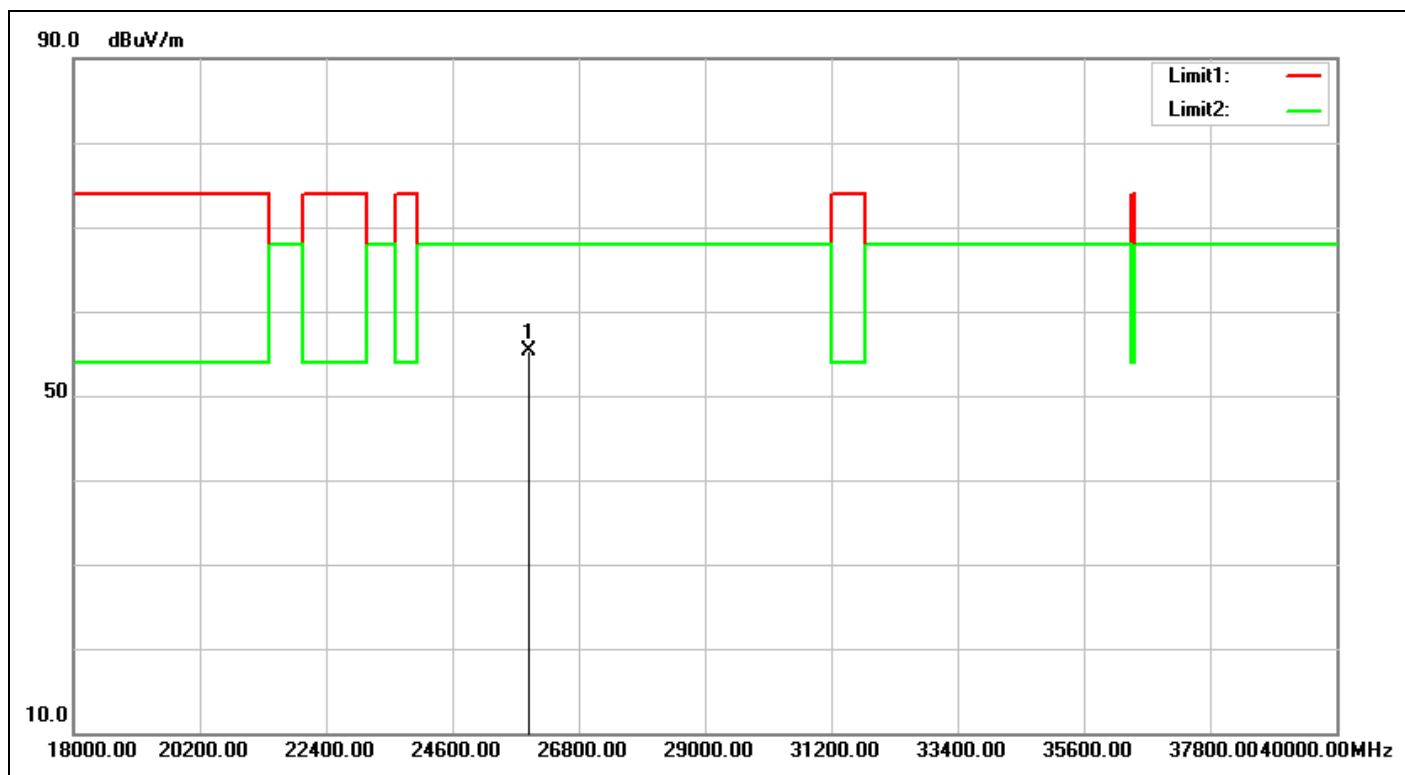
Spurious Emissions, TX Mode, 18-40G , 5725-5850MHz



TUV Taiwan

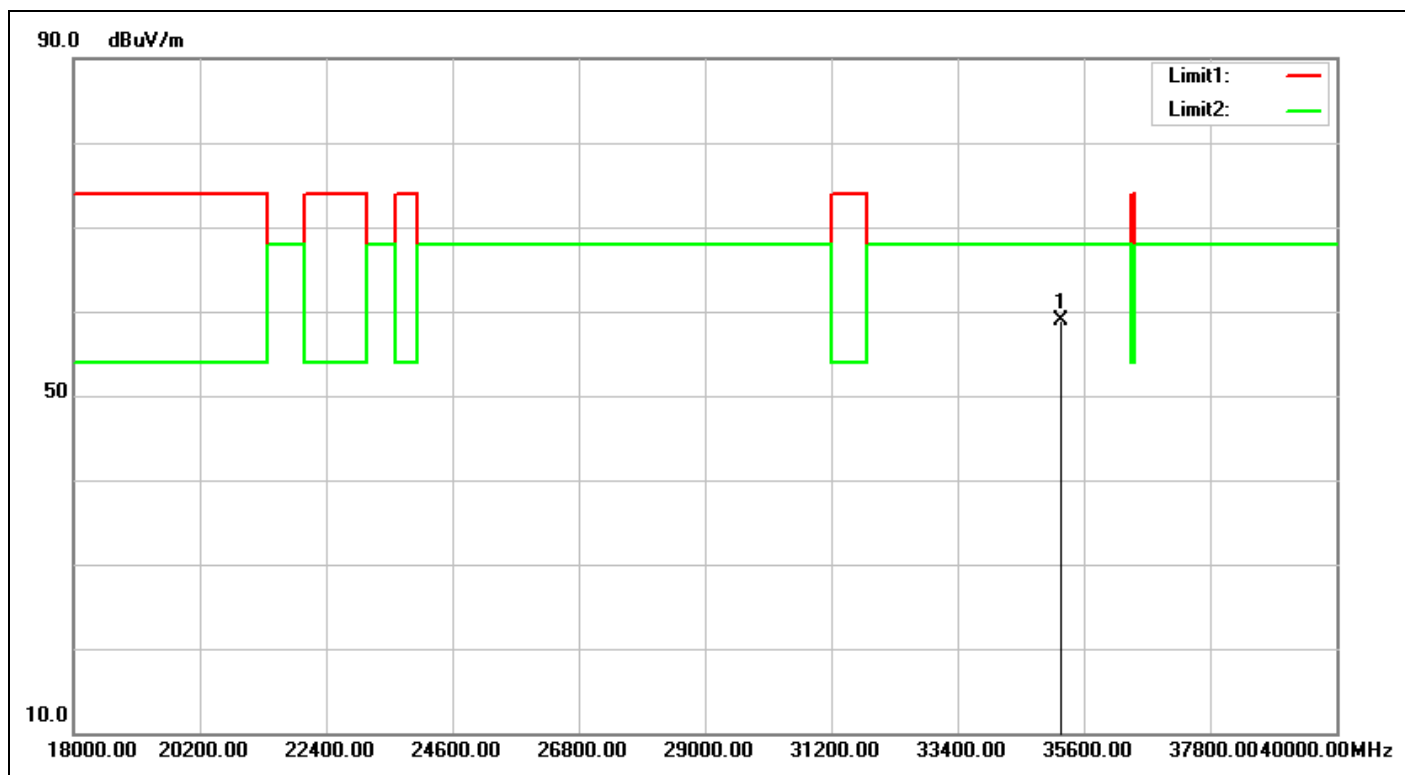
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



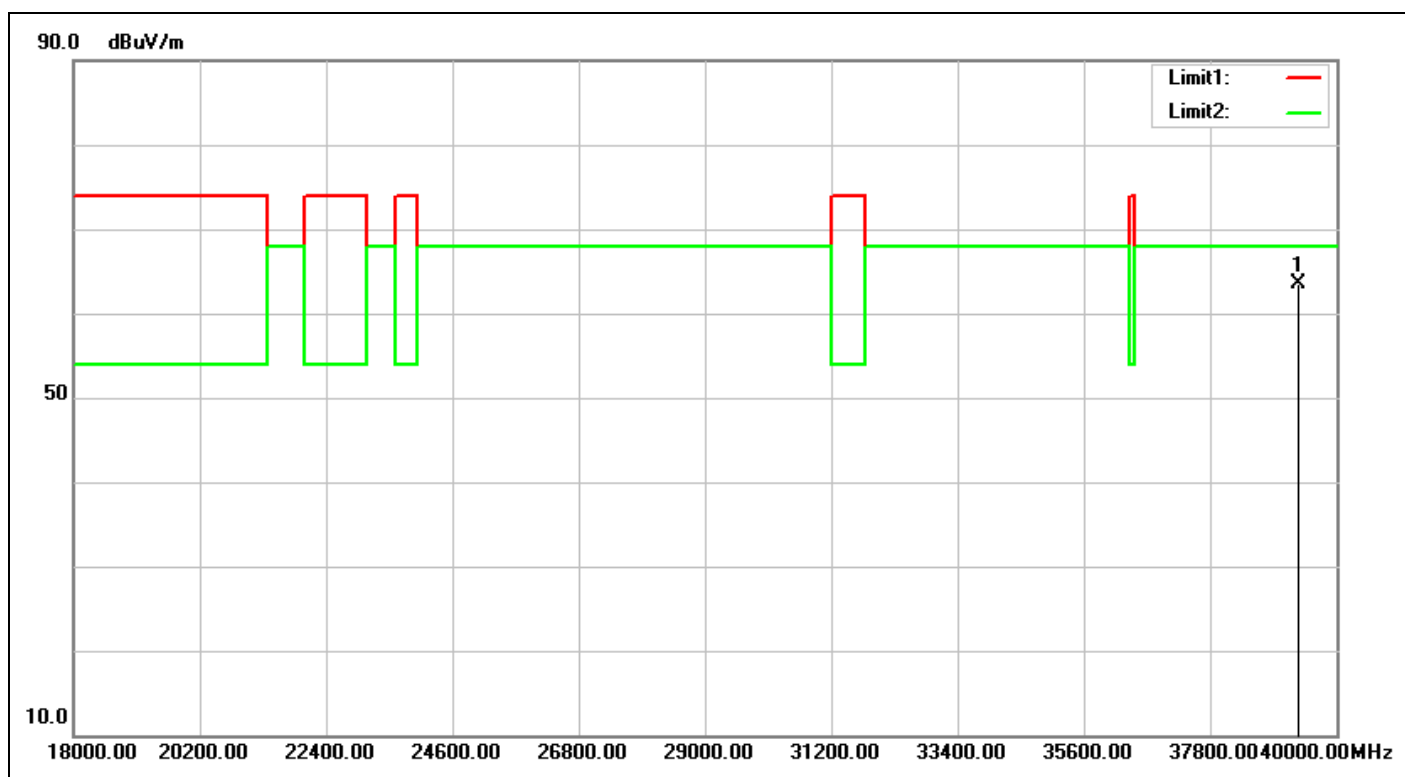
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:13:38
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25920.000	35.22	20.11	55.33	68.00	-12.67	peak			



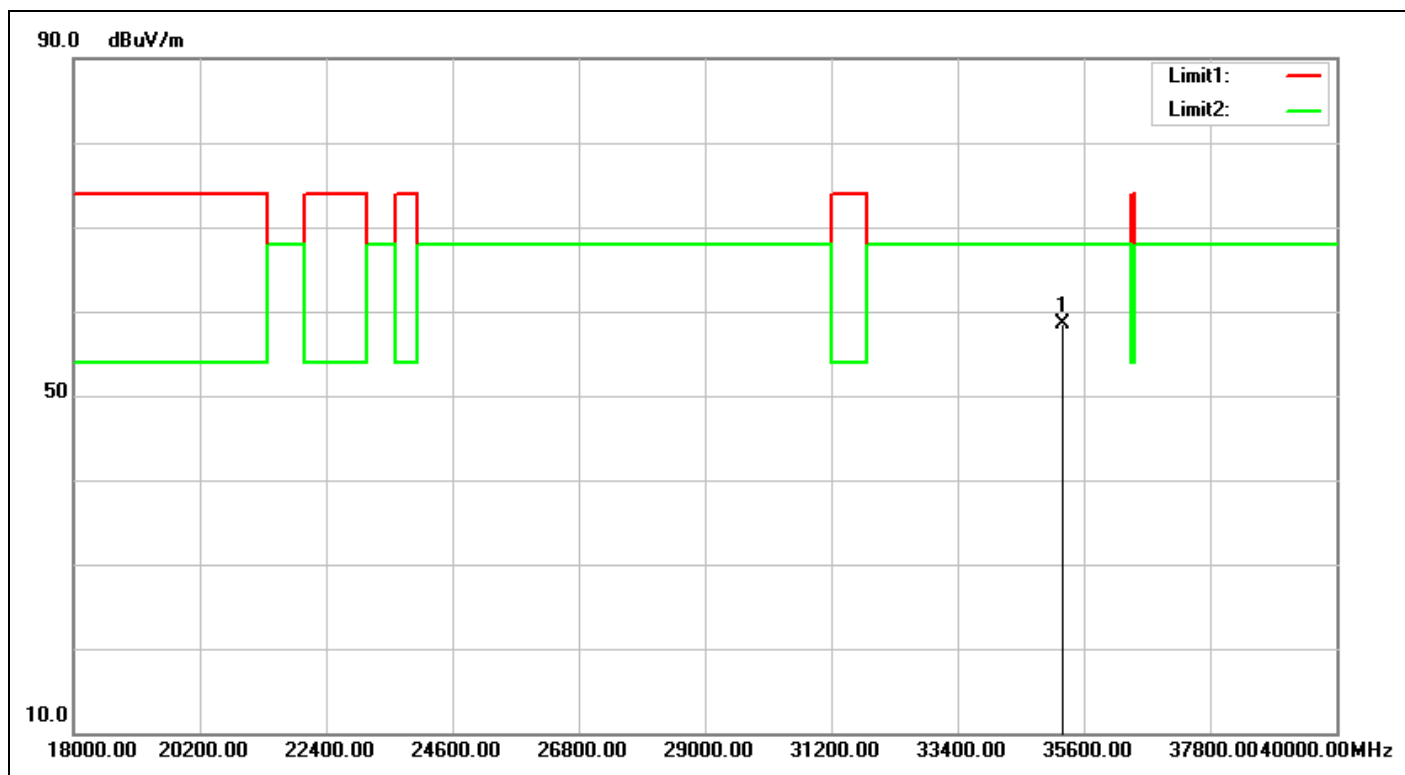
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:13:47
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35204.000	38.74	20.08	58.82	68.00	-9.18	peak			



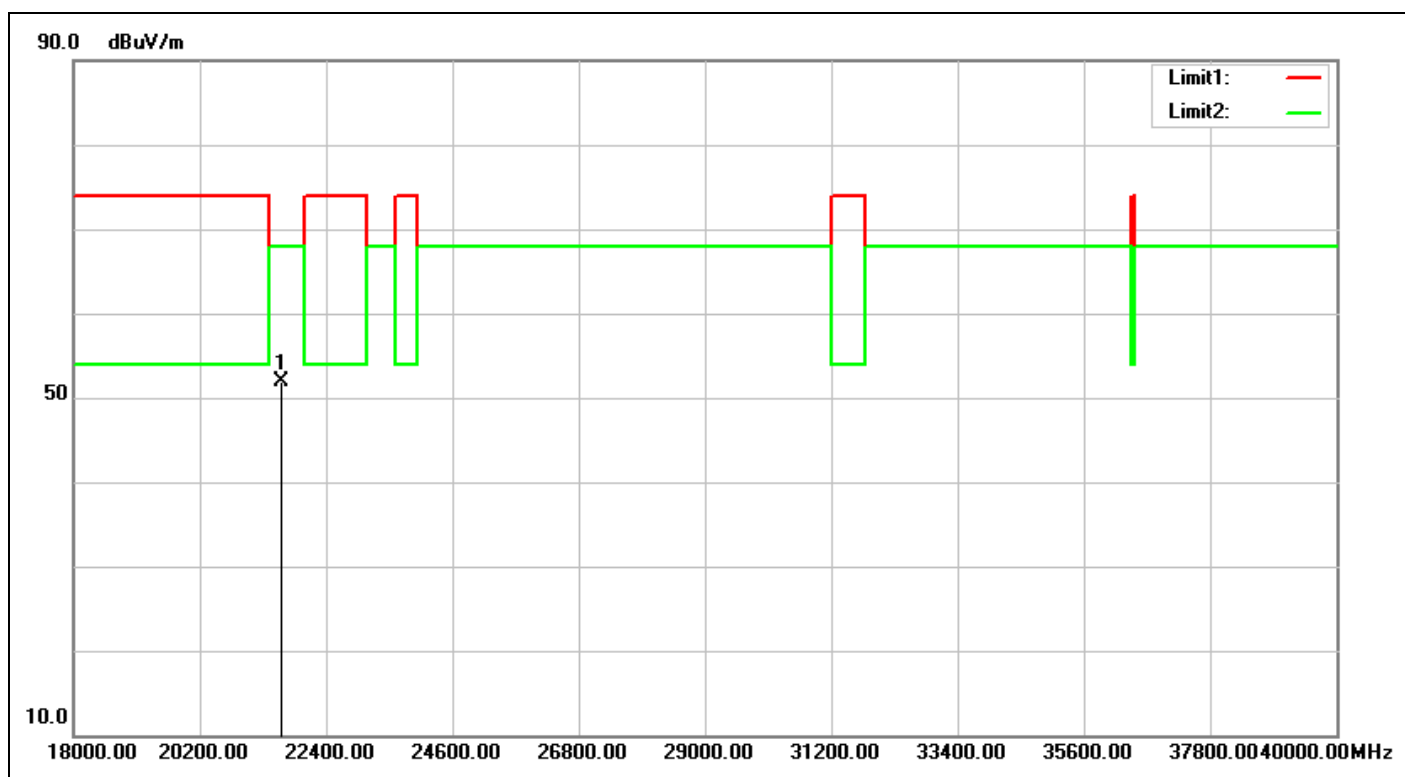
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:14:02
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	39340.000	39.59	23.88	63.47	68.00	-4.53	peak			



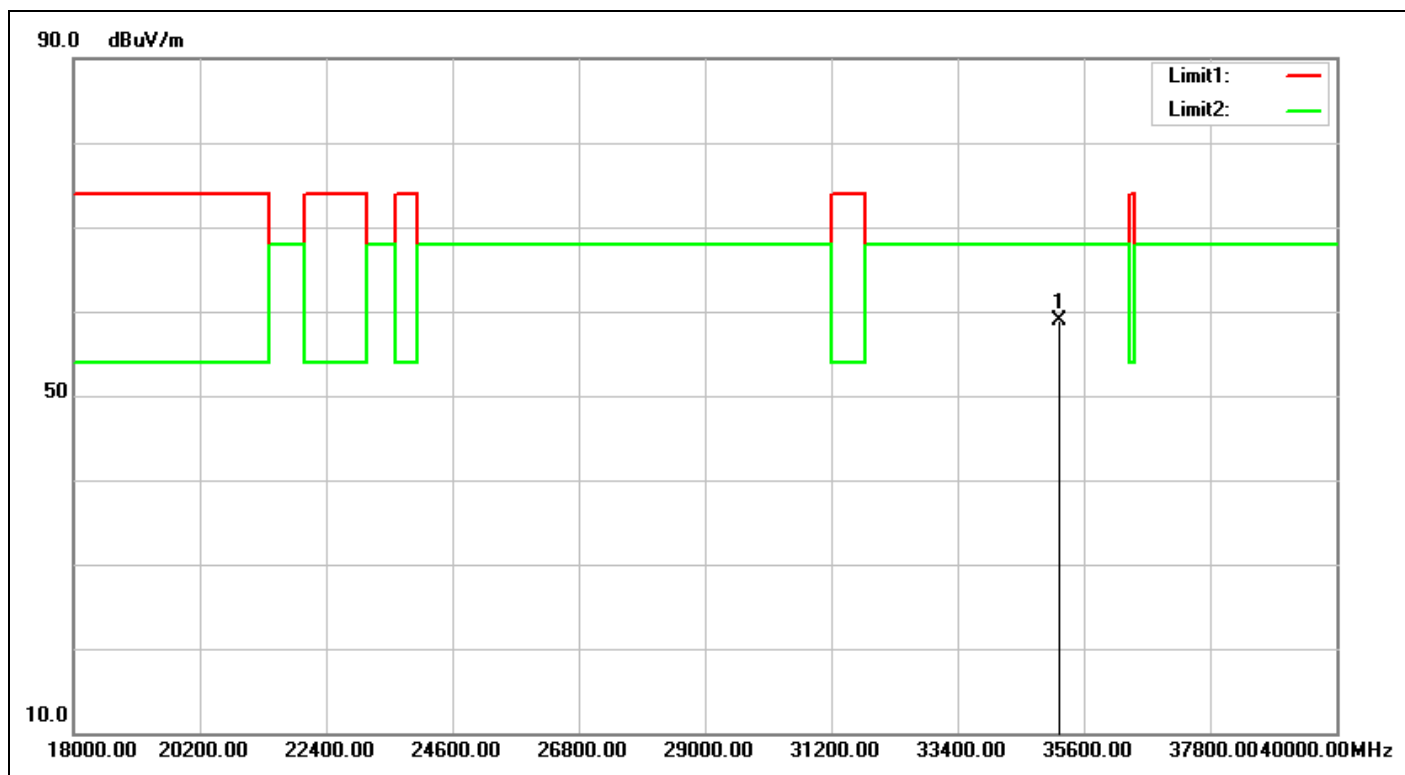
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:14:10
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35226.000	38.70	19.84	58.54	68.00	-9.46	peak			



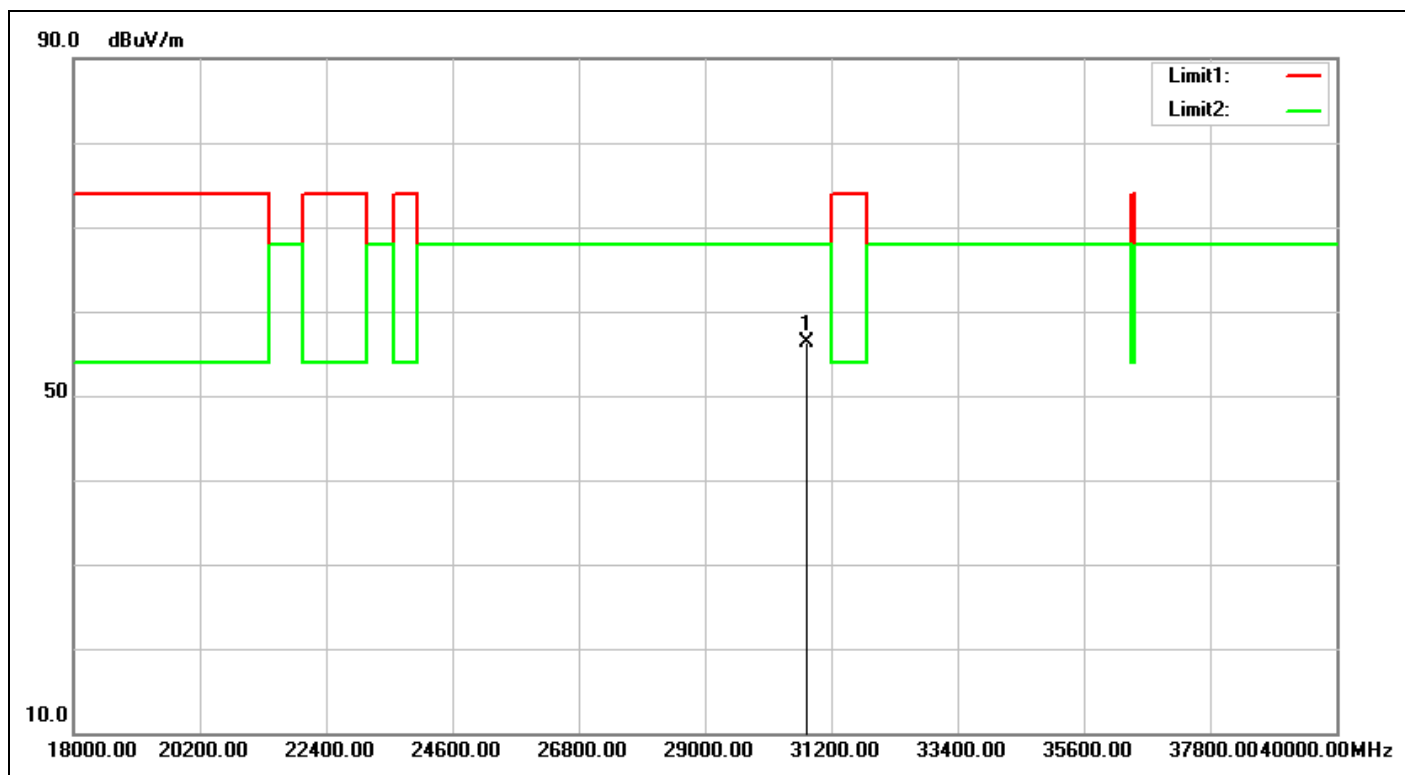
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:14:23
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21630.000	32.76	19.19	51.95	68.00	-16.05	peak			



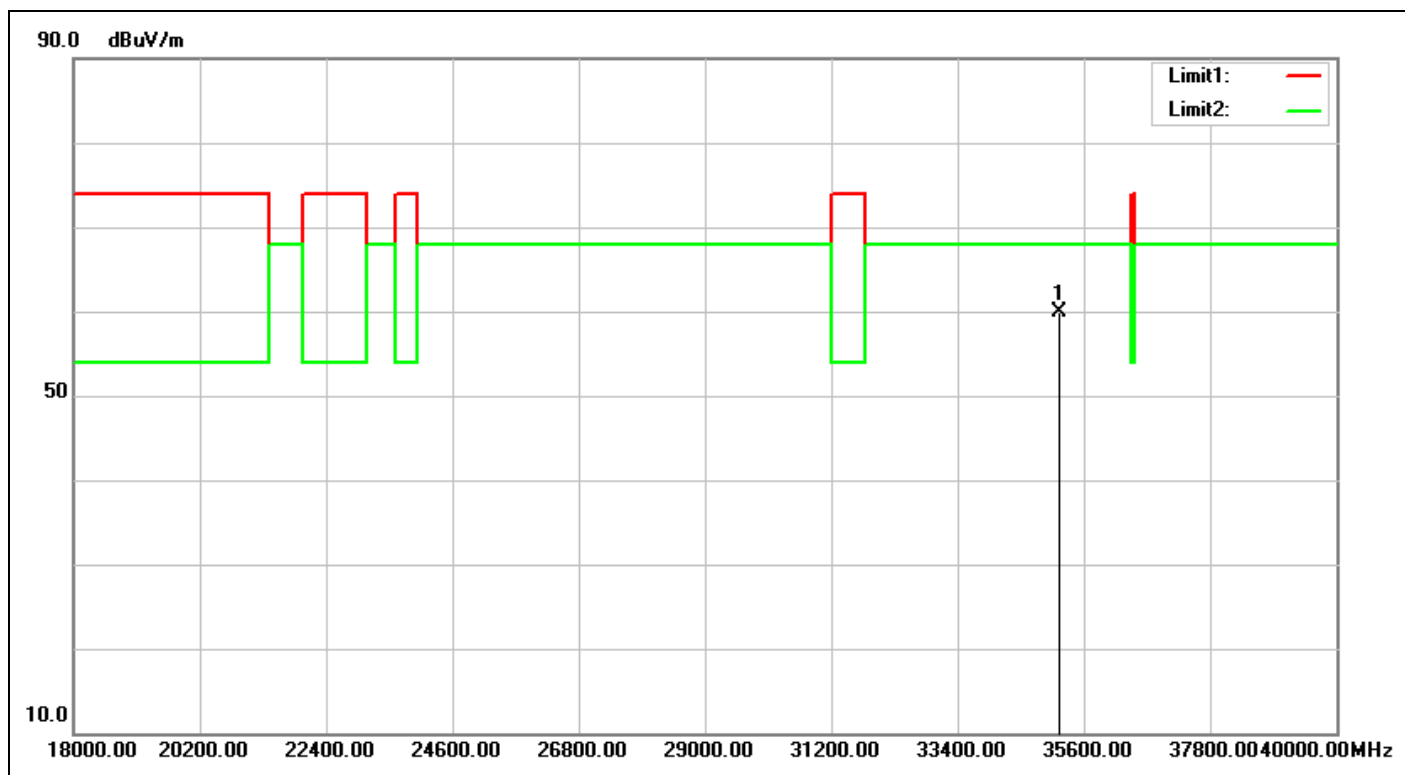
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:14:33
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35160.000	38.81	20.08	58.89	68.00	-9.11	peak			



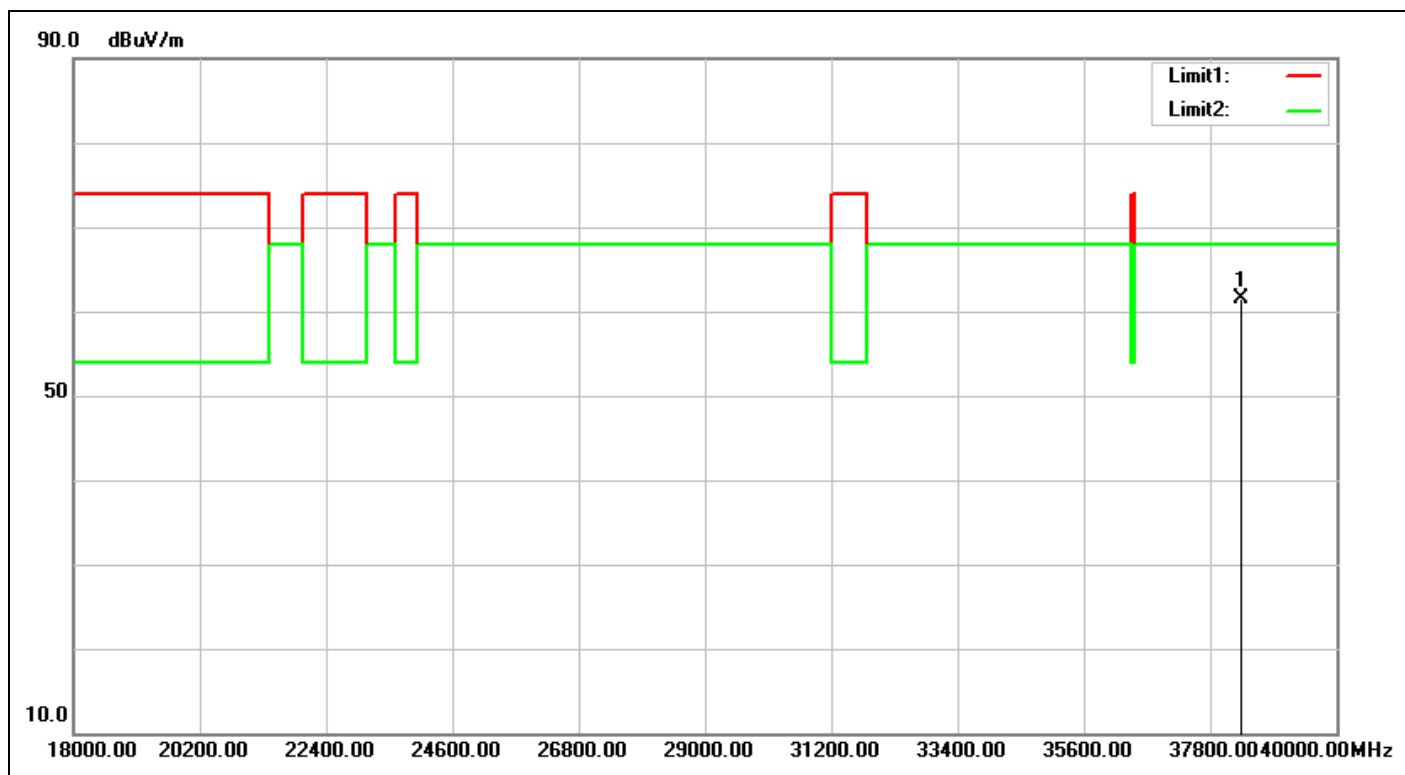
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:14:50
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30760.000	37.54	18.83	56.37	68.00	-11.63	peak			



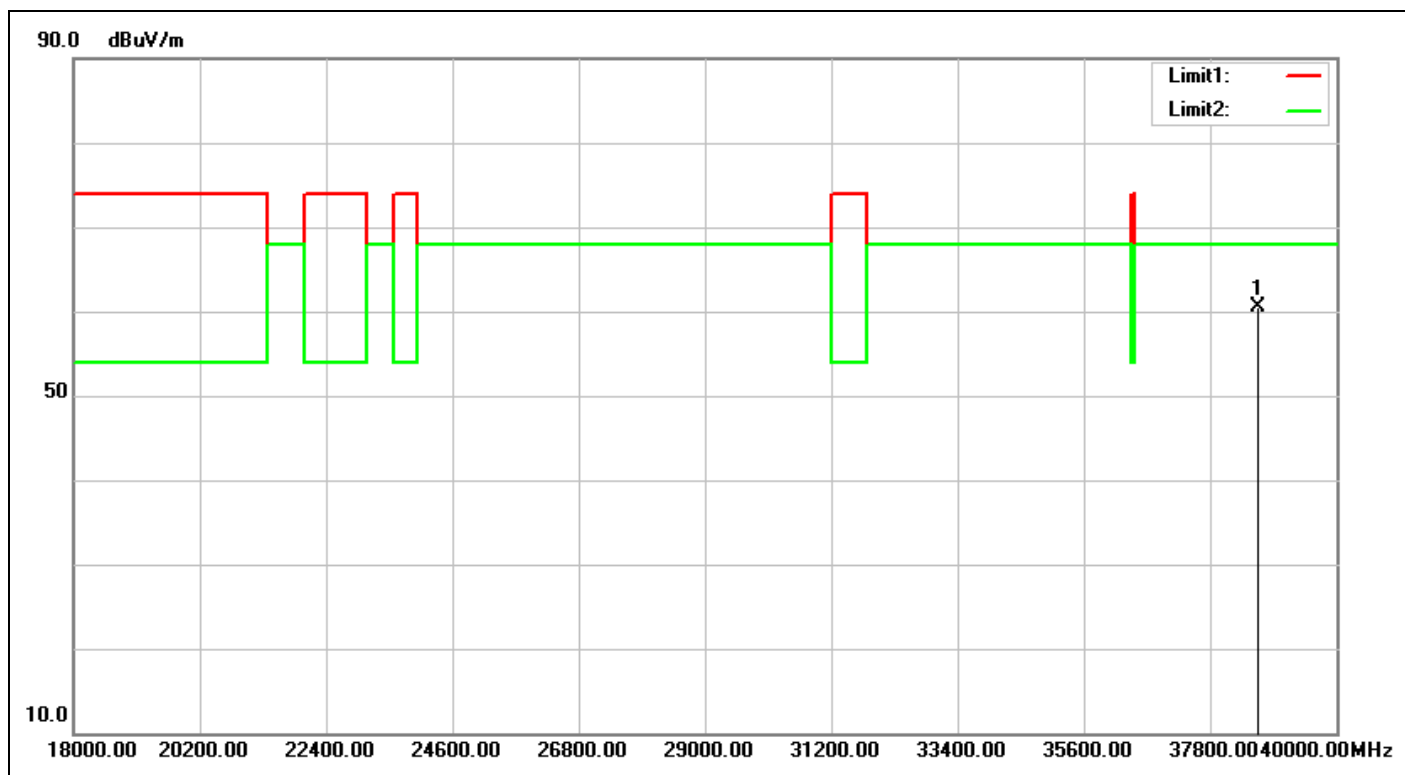
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:14:59
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5745-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35182.000	38.77	21.07	59.84	68.00	-8.16	peak			



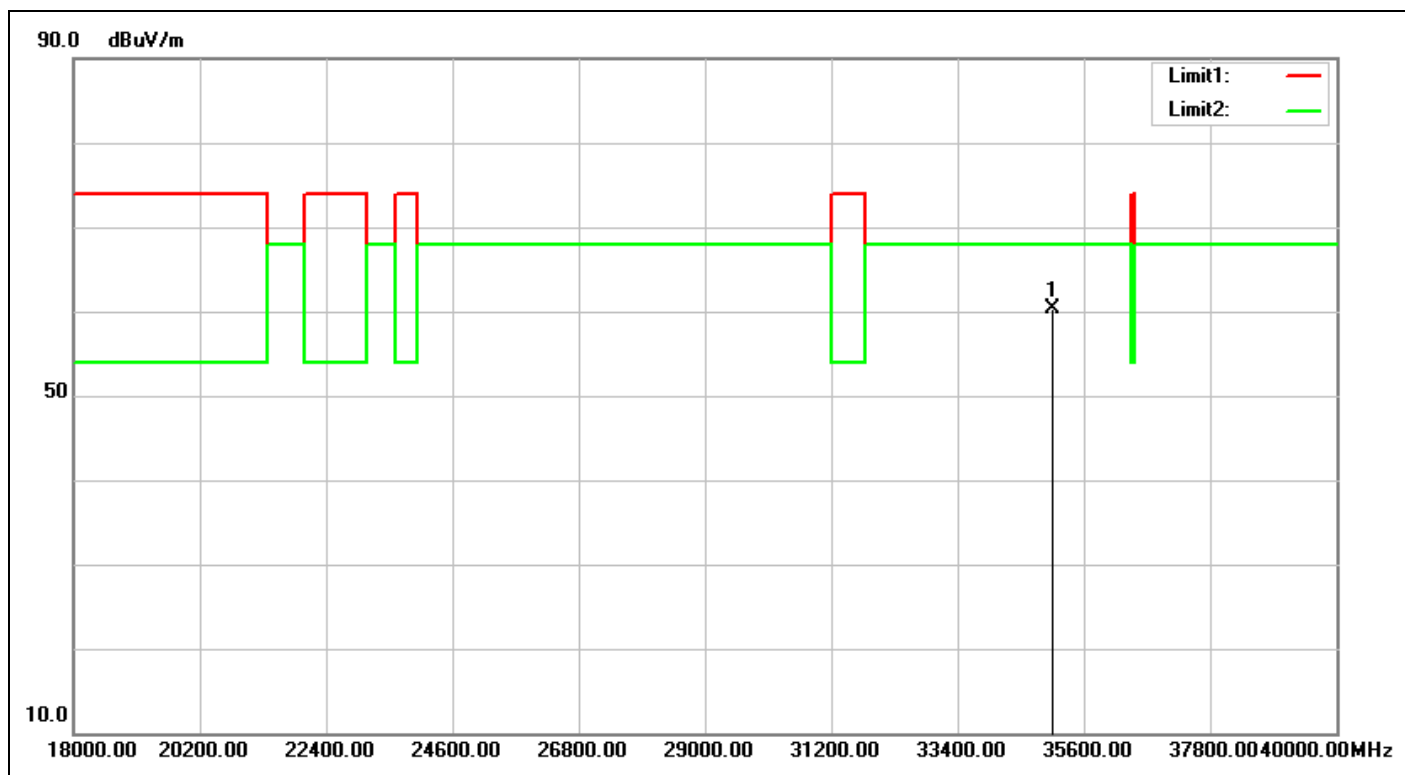
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:15:11
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	38350.000	38.00	23.60	61.60	68.00	-6.40	peak			



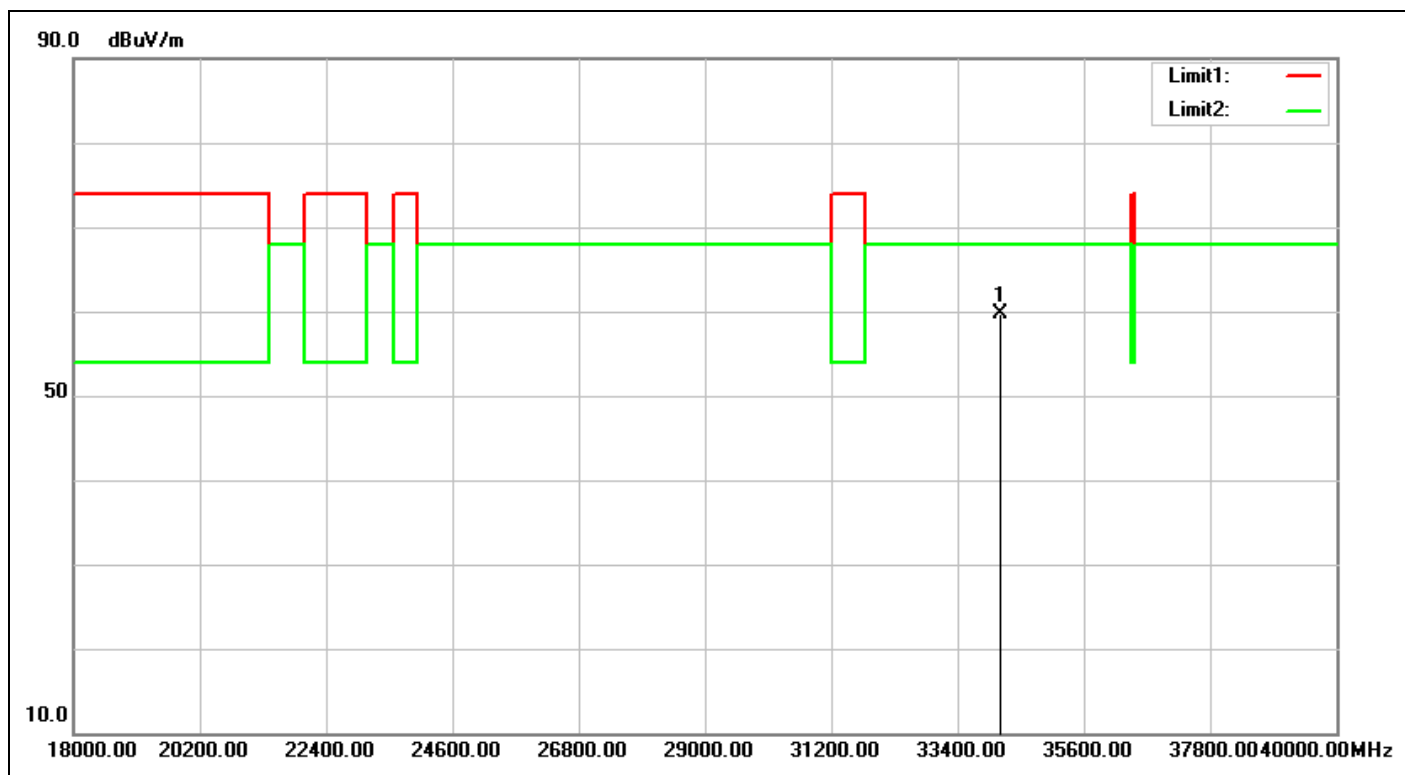
Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:15:20
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	38636.000	38.00	22.58	60.58	68.00	-7.42	peak			



Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:15:34
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35050.000	38.97	21.41	60.38	68.00	-7.62	peak			



Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:15:43
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	AC20-5825-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	34148.000	38.43	21.37	59.80	68.00	-8.20	peak			

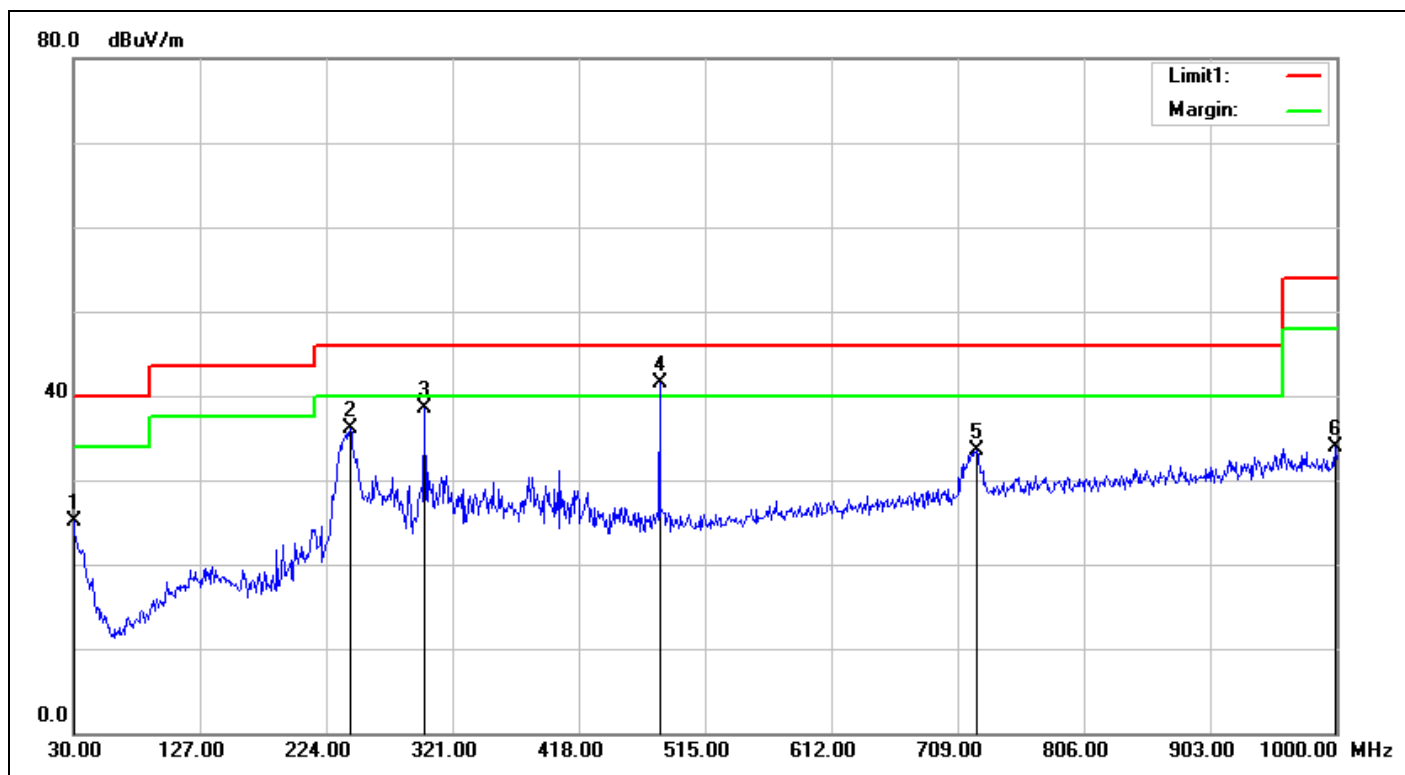
Spurious Emissions, TX Mode, 30M-1G



TUV Taiwan

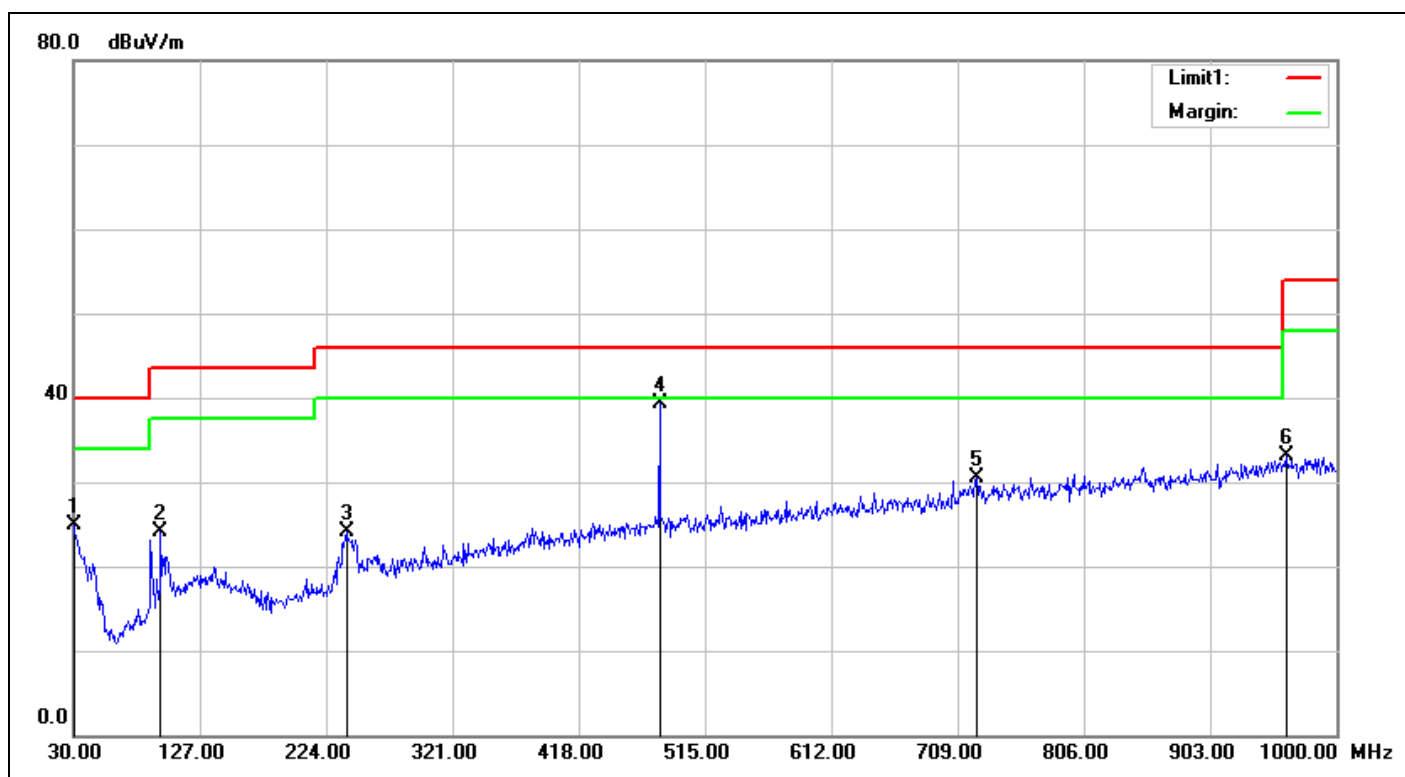
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



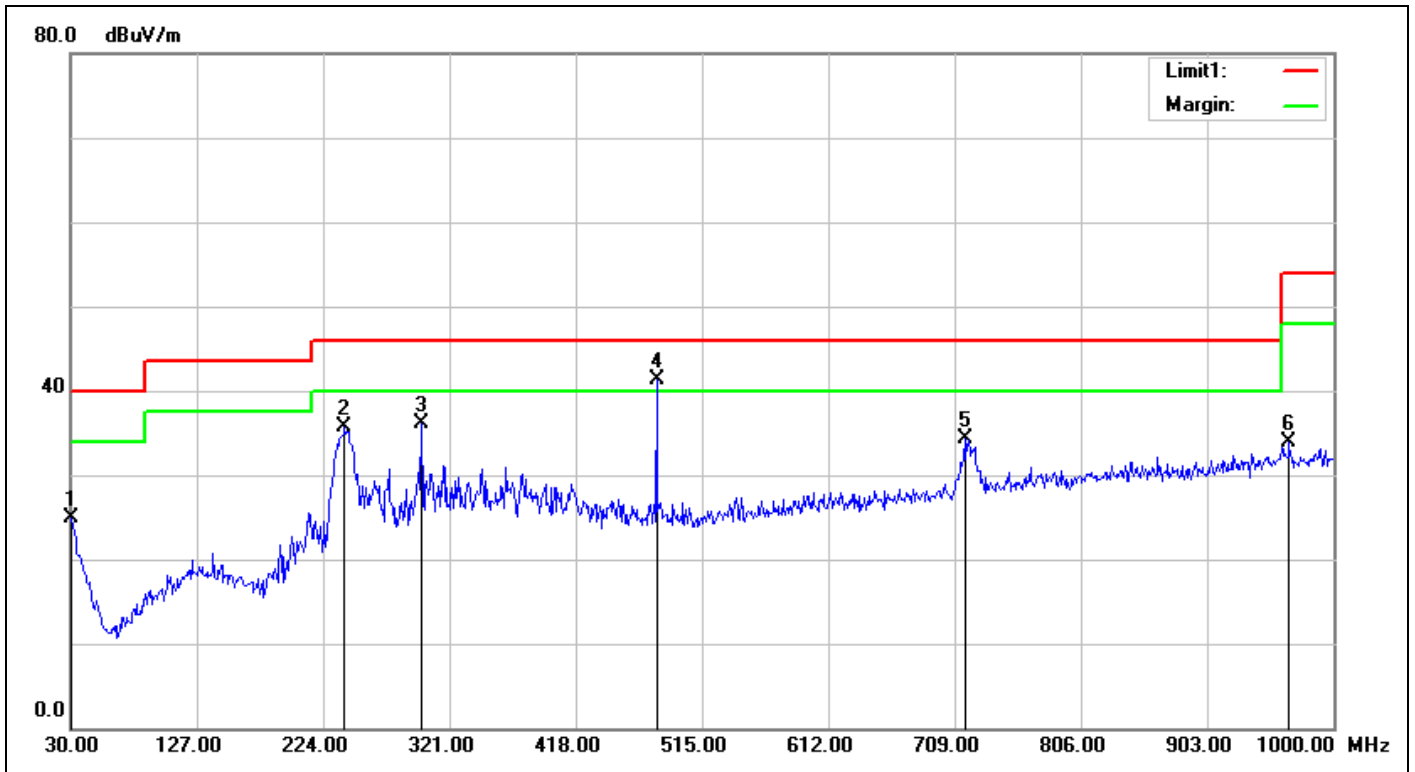
Service No.:	114062897	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:34:14
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-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	25.22	25.15	40.00	-14.85	QP	100	14	
2	242.4300	-6.46	42.65	36.19	46.00	-9.81	QP	100	275	
3	299.6600	-4.48	42.96	38.48	46.00	-7.52	QP	100	275	
4	480.0799	-1.62	43.18	41.56	46.00	-4.44	QP	100	288	
5	723.5499	1.68	31.79	33.47	46.00	-12.53	QP	100	256	
6	999.0299	5.83	28.07	33.90	54.00	-20.10	QP	100	166	



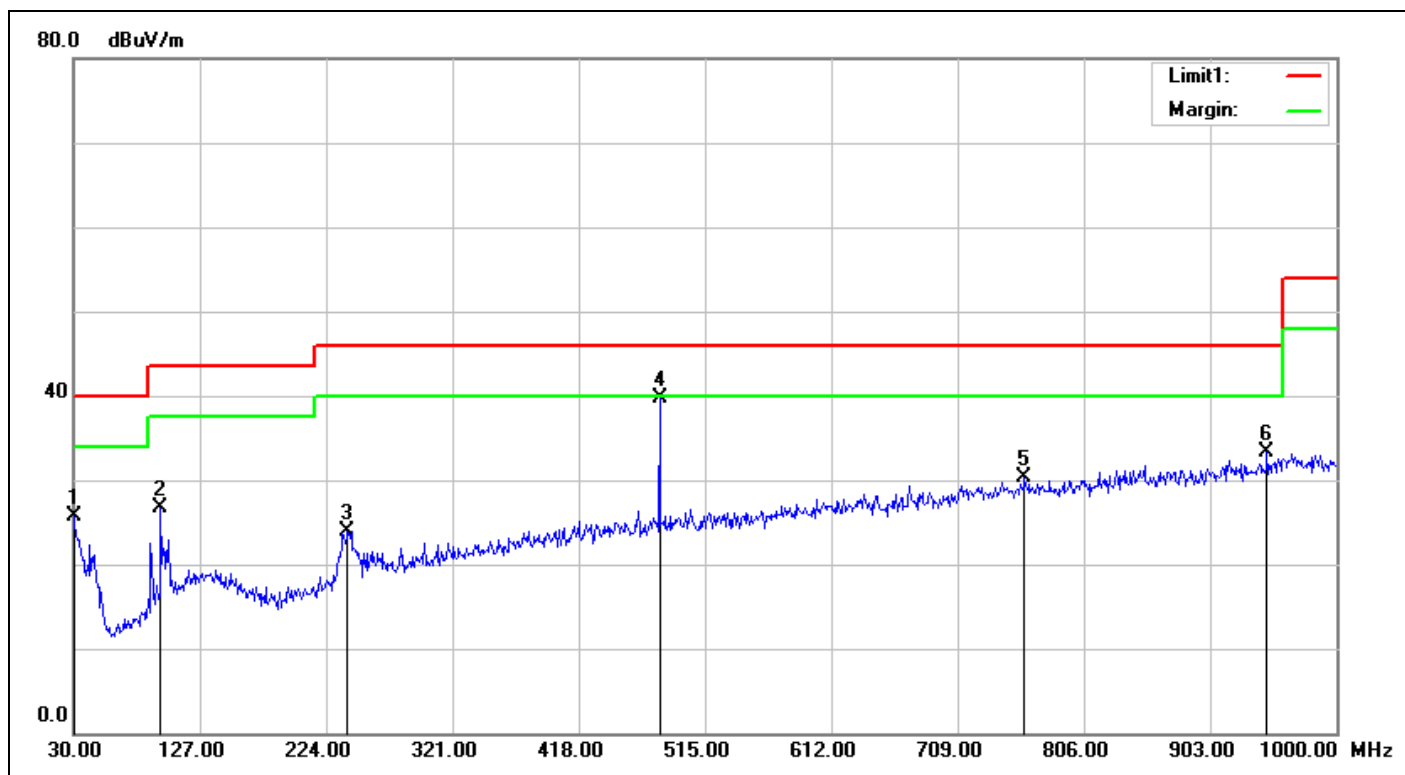
Service No.:	114062897	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:35:18
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-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	24.90	24.83	40.00	-15.17	QP	100	171	
2	96.9300	-9.89	33.95	24.06	43.50	-19.44	QP	100	302	
3	239.5200	-6.73	30.93	24.20	46.00	-21.80	QP	100	147	
4	480.0800	-1.62	40.84	39.22	46.00	-6.78	QP	100	174	
5	723.5500	1.68	28.74	30.42	46.00	-15.58	QP	100	222	
6	961.2000	5.48	27.60	33.08	54.00	-20.92	QP	100	0	



Service No.:	114062897	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:36:51
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9699	-0.62	25.52	24.90	40.00	-15.10	QP	100	189	
2	240.4900	-6.64	42.39	35.75	46.00	-10.25	QP	100	322	
3	299.6600	-4.48	40.50	36.02	46.00	-9.98	QP	100	322	
4	480.0799	-1.62	42.95	41.33	46.00	-4.67	QP	100	282	
5	716.7599	1.49	32.76	34.25	46.00	-11.75	QP	100	266	
6	966.0499	5.53	28.43	33.96	54.00	-20.04	QP	100	38	



Service No.:	114062897	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:37:54
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-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	25.80	25.73	40.00	-14.27	QP	100	149	
2	96.9300	-9.89	36.59	26.70	43.50	-16.80	QP	100	306	
3	240.4900	-6.64	30.62	23.98	46.00	-22.02	QP	100	173	
4	480.0800	-1.62	41.42	39.80	46.00	-6.20	QP	100	189	
5	760.4099	2.44	27.78	30.22	46.00	-15.78	QP	100	251	
6	946.6500	5.30	27.91	33.21	46.00	-12.79	QP	100	322	

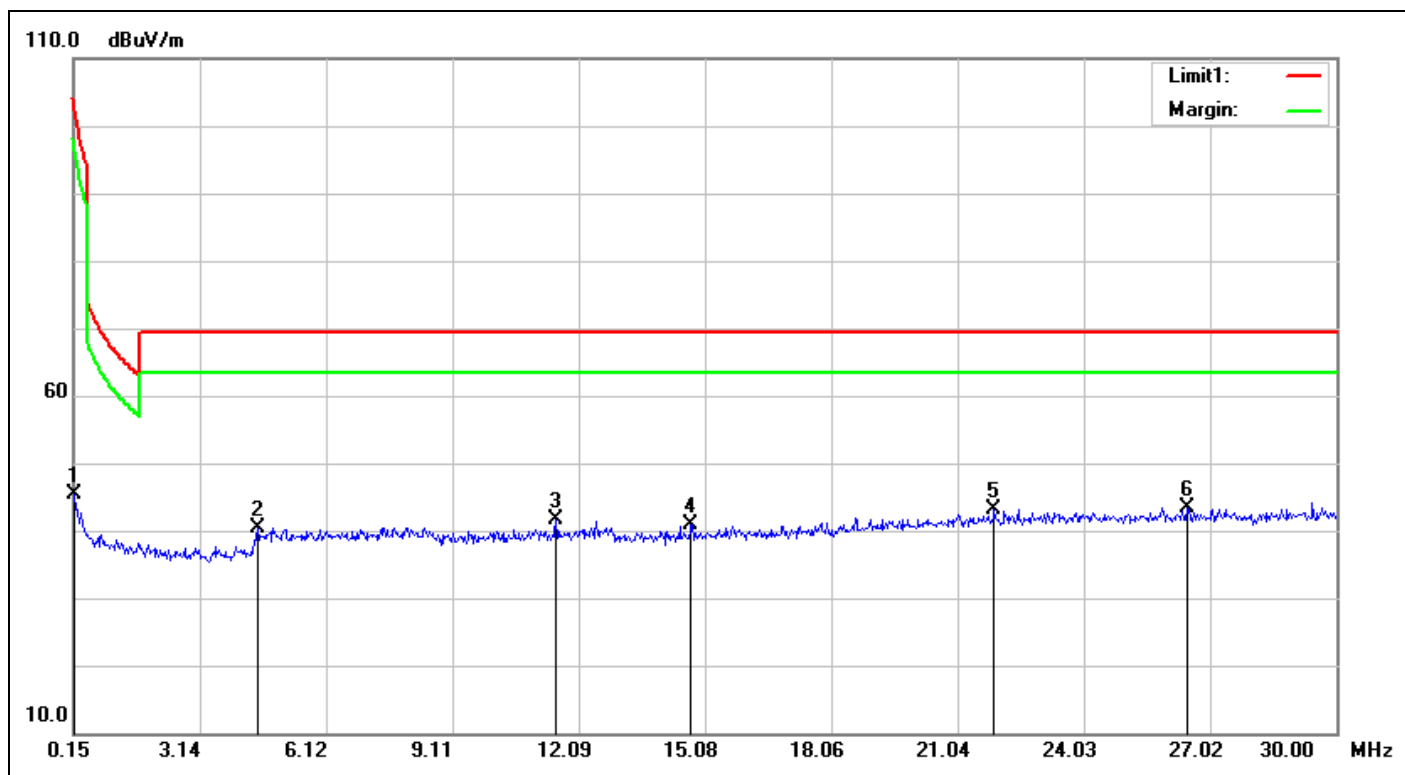
Spurious Emissions, TX Mode, 150K-30M



TUV Taiwan

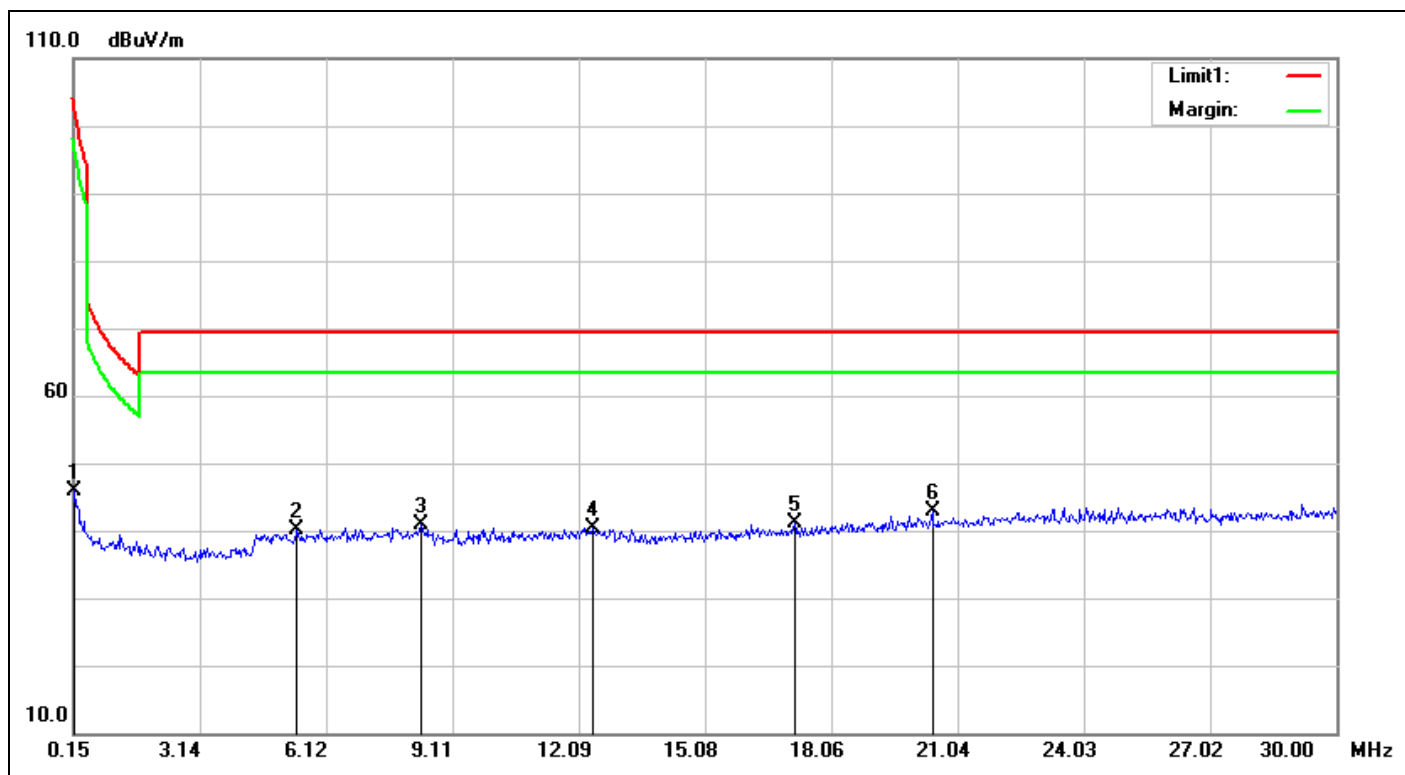
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:21:07
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1798	18.77	26.67	45.44	102.45	-57.01	QP	100	242	
2	4.5080	19.42	20.86	40.28	69.50	-29.22	QP	100	120	
3	11.5526	20.57	20.94	41.51	69.50	-27.99	QP	100	156	
4	14.7466	20.94	19.98	40.92	69.50	-28.58	QP	100	170	
5	21.9106	21.68	21.52	43.20	69.50	-26.30	QP	100	360	
6	26.4776	22.02	21.47	43.49	69.50	-26.01	QP	100	206	



Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:23:47
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1798	18.77	27.23	46.00	102.45	-56.45	QP	100	103	
2	5.4334	19.67	20.40	40.07	69.50	-29.43	QP	100	360	
3	8.3587	20.13	20.65	40.78	69.50	-28.72	QP	100	282	
4	12.4183	20.67	19.78	40.45	69.50	-29.05	QP	100	318	
5	17.1943	21.22	19.85	41.07	69.50	-28.43	QP	100	331	
6	20.4480	21.59	21.18	42.77	69.50	-26.73	QP	100	0	

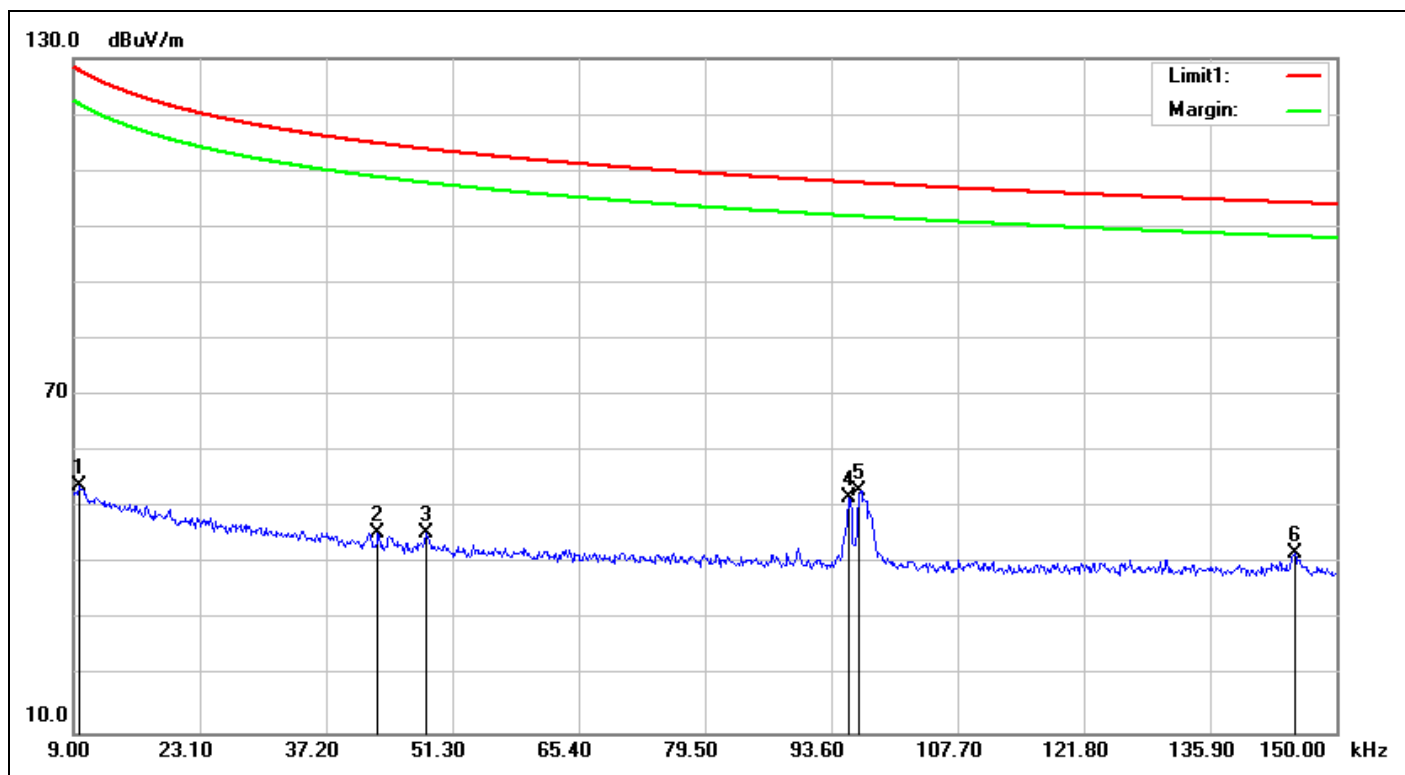
Spurious Emissions, TX Mode, 9K-150K



TUV Taiwan

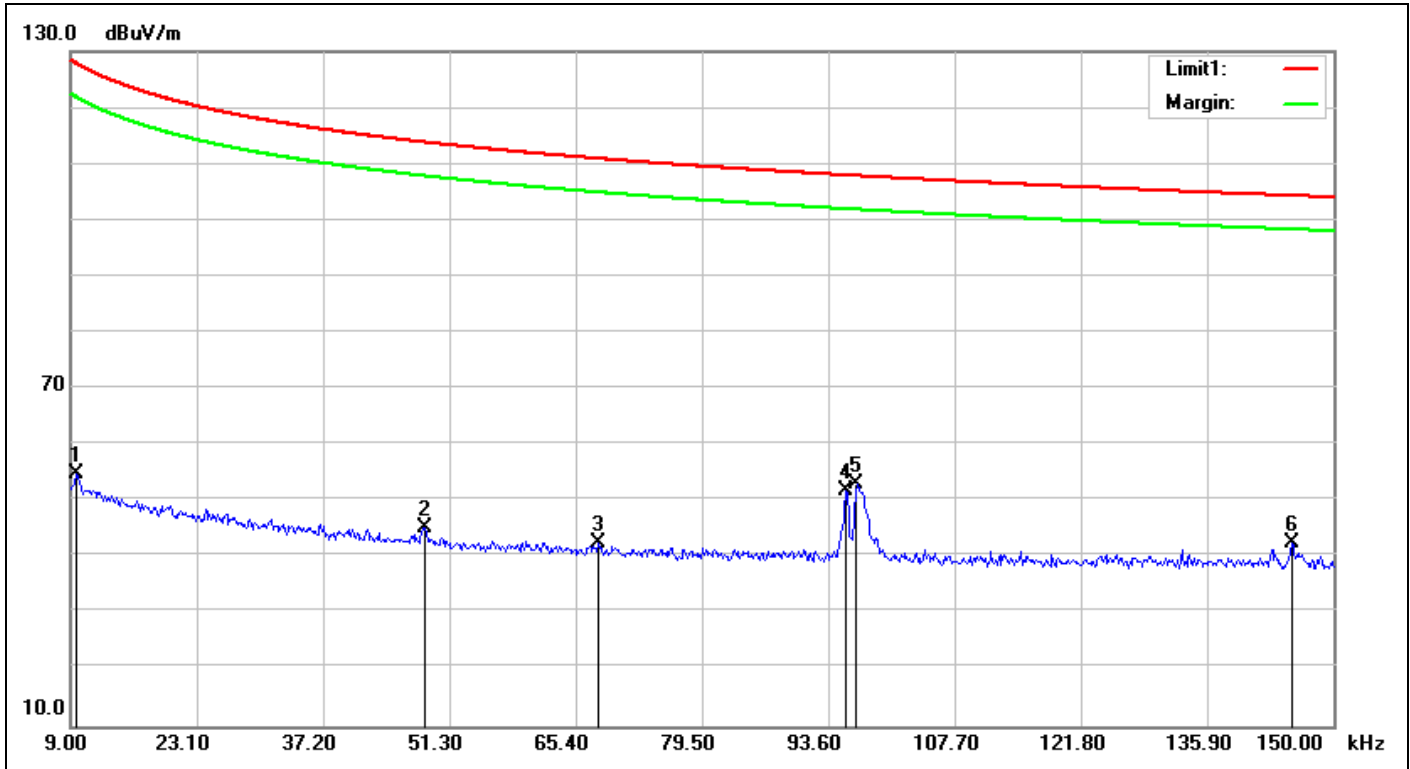
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:08:48
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0097	20.11	33.91	54.02	127.75	-73.73	peak	100	67	
2	0.0430	19.57	25.94	45.51	114.86	-69.35	peak	100	212	
3	0.0483	19.30	26.23	45.53	113.86	-68.33	peak	100	356	
4	0.0956	18.88	32.96	51.84	107.95	-56.11	peak	100	223	
5	0.0967	18.87	34.16	53.03	107.85	-54.82	peak	100	99	
6	0.1453	18.80	23.02	41.82	104.32	-62.50	peak	100	300	



Service No.:	114062897	Test Distance:	3m
Test Standard:	FCC 15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:10:24
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-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	20.04	34.85	54.89	127.84	-72.95	QP	100	156	
2	0.0485	19.29	25.85	45.14	113.82	-68.68	QP	100	335	
3	0.0679	19.09	23.42	42.51	110.91	-68.40	QP	100	2	
4	0.0956	18.88	33.09	51.97	107.95	-55.98	QP	100	258	
5	0.0967	18.87	34.14	53.01	107.85	-54.84	QP	100	156	
6	0.1453	18.80	23.61	42.41	104.32	-61.91	QP	100	54	

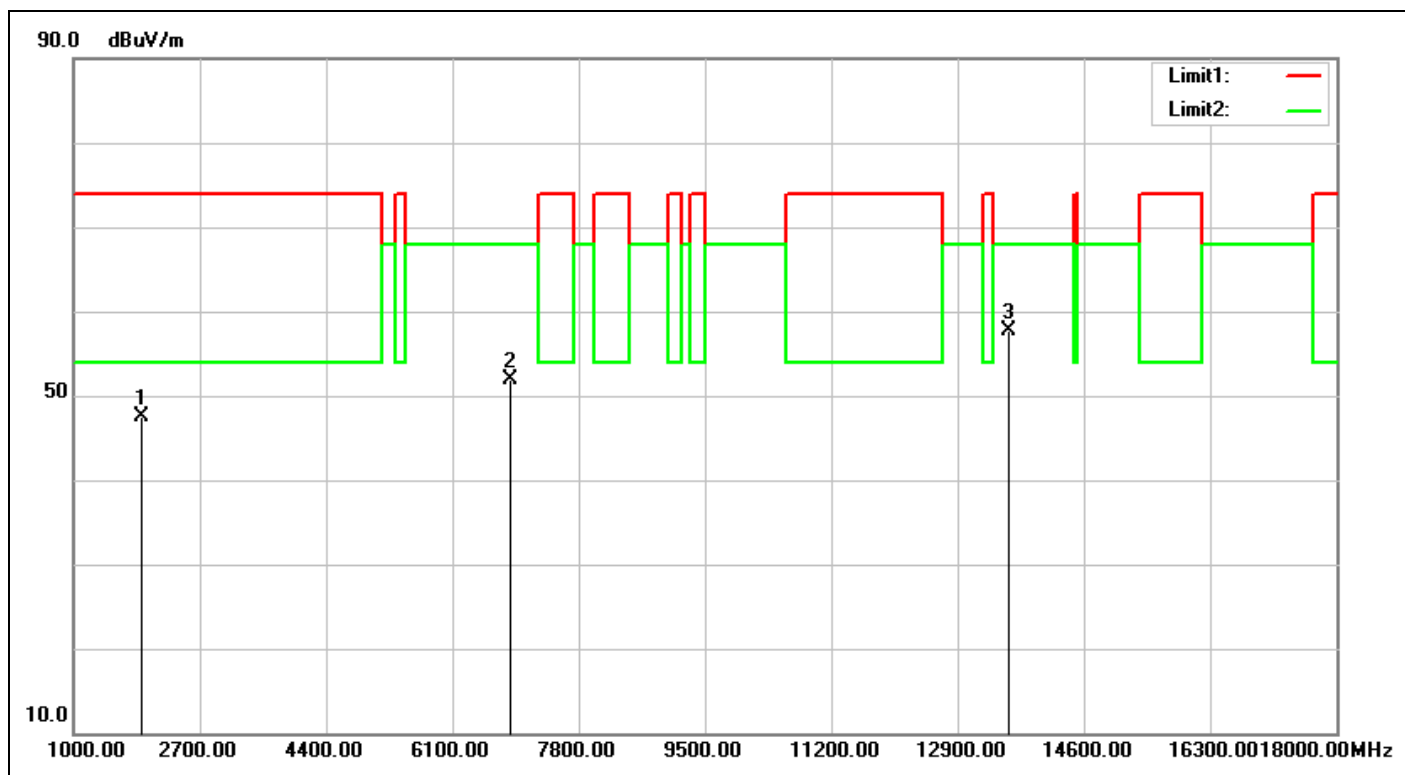
Spurious Emissions, RX Mode, 1G-18G



TUV Taiwan

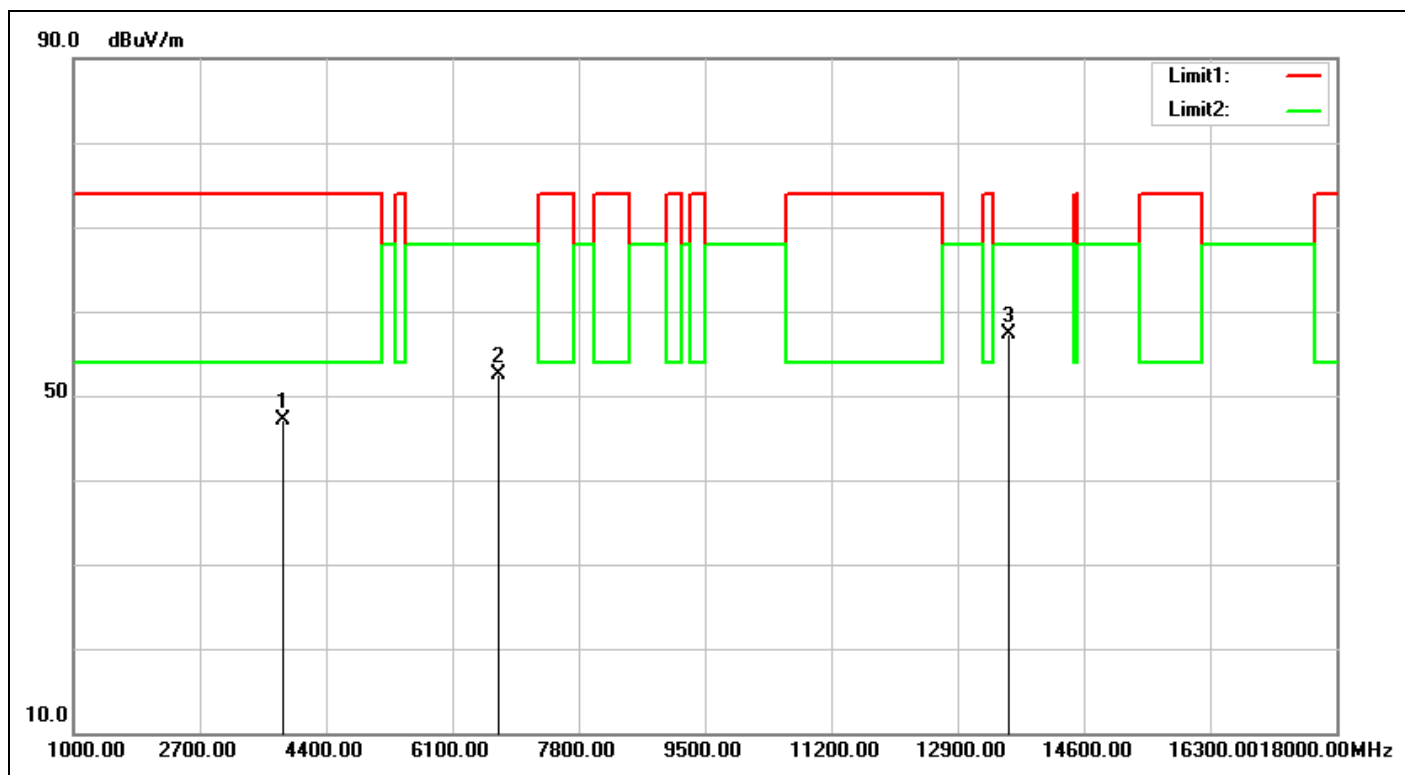
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



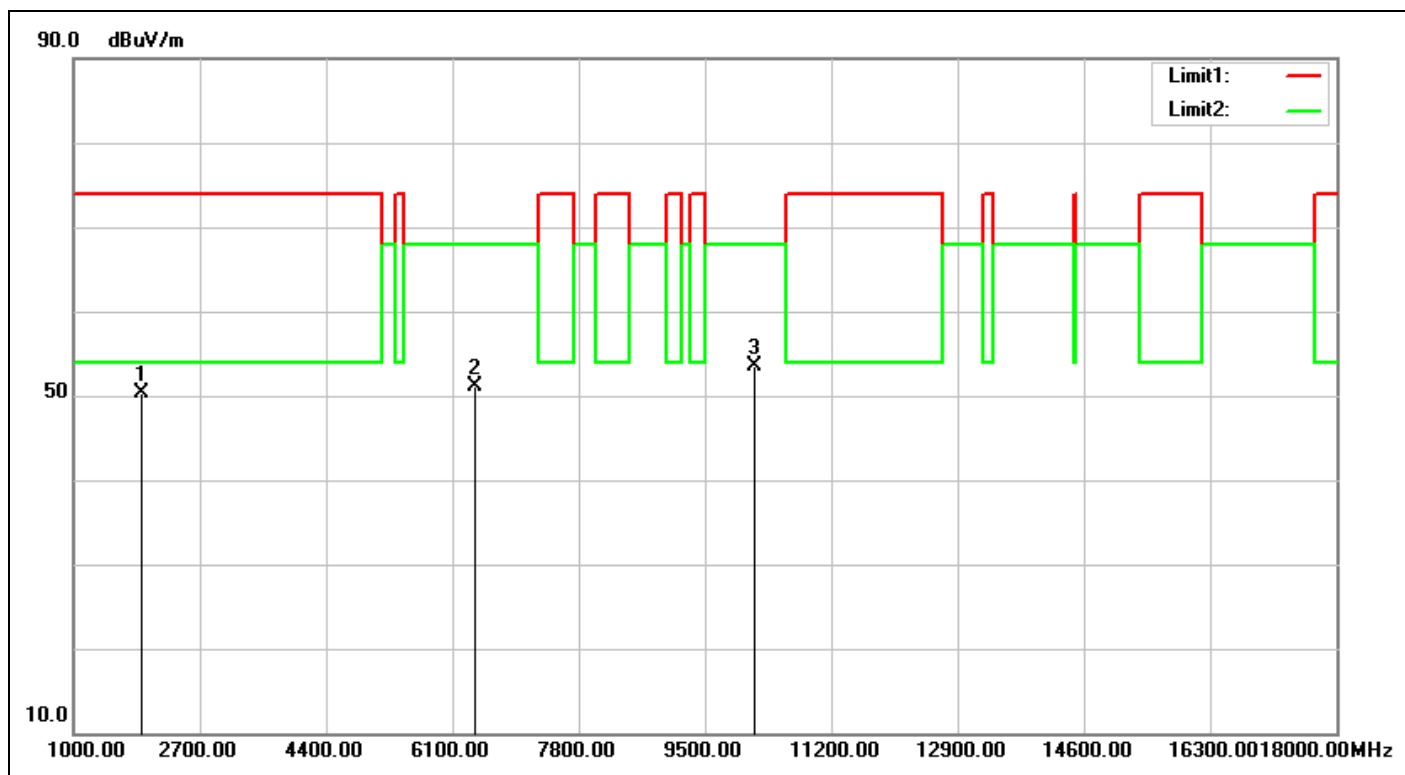
Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 17:02:48
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.47	55.02	47.55	74.00	-26.45	peak	100	24	
2	6882.000	5.82	46.02	51.84	68.00	-16.16	peak	100	158	
3	13597.000	11.31	46.35	57.66	68.00	-10.34	peak	100	149	



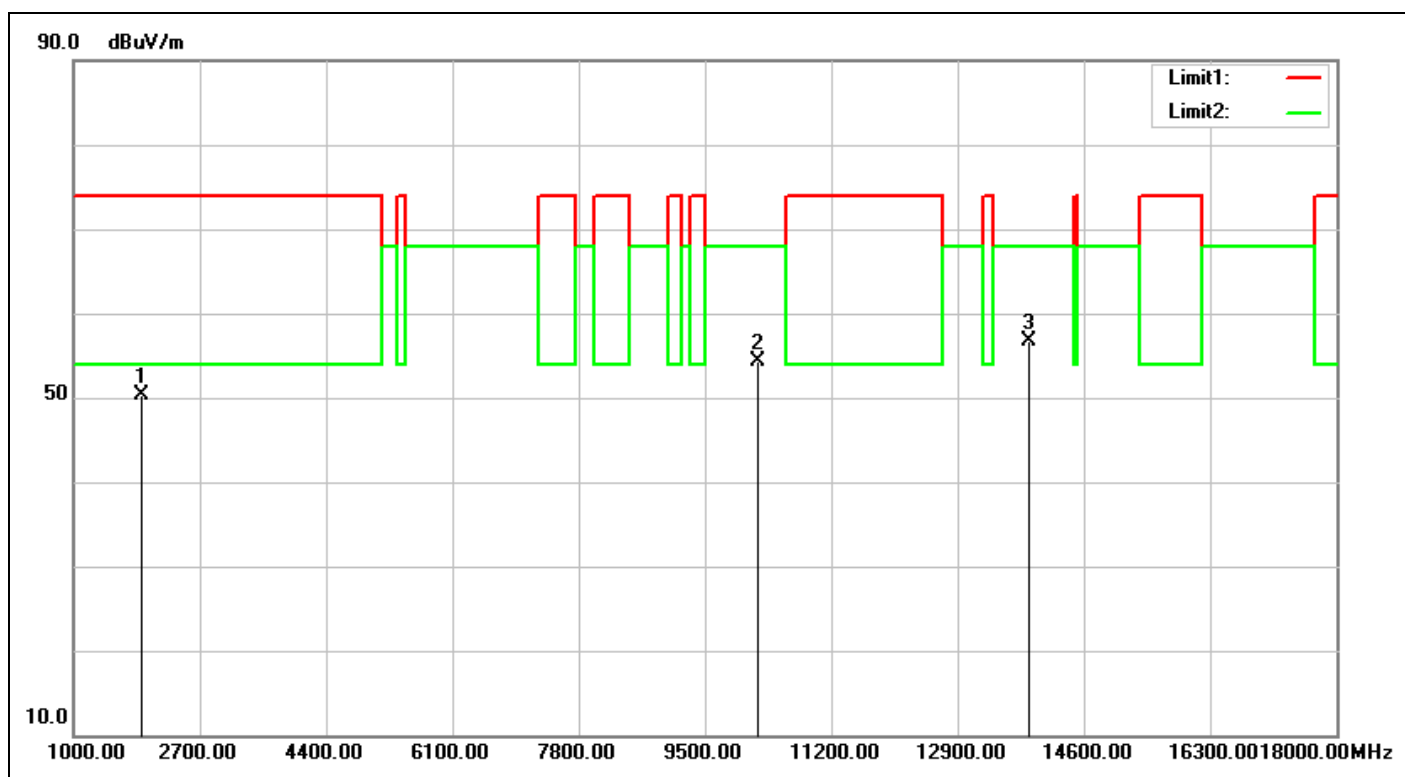
Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:03:51
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3822.000	-4.10	51.27	47.17	74.00	-26.83	peak	100	100	
2	6729.000	6.06	46.53	52.59	68.00	-15.41	peak	100	92	
3	13580.000	11.35	45.99	57.34	68.00	-10.66	peak	100	6	



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 17:56:35
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.47	57.70	50.23	74.00	-23.77	peak	100	27	
2	6406.000	6.10	45.04	51.14	68.00	-16.86	peak	100	19	
3	10163.000	6.03	47.48	53.51	68.00	-14.49	peak	100	202	



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 17:57:38
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-7.47	57.75	50.28	74.00	-23.72	peak	100	327	
2	10214.000	5.98	48.41	54.39	68.00	-13.61	peak	100	145	
3	13852.000	10.79	45.94	56.73	68.00	-11.27	peak	100	120	

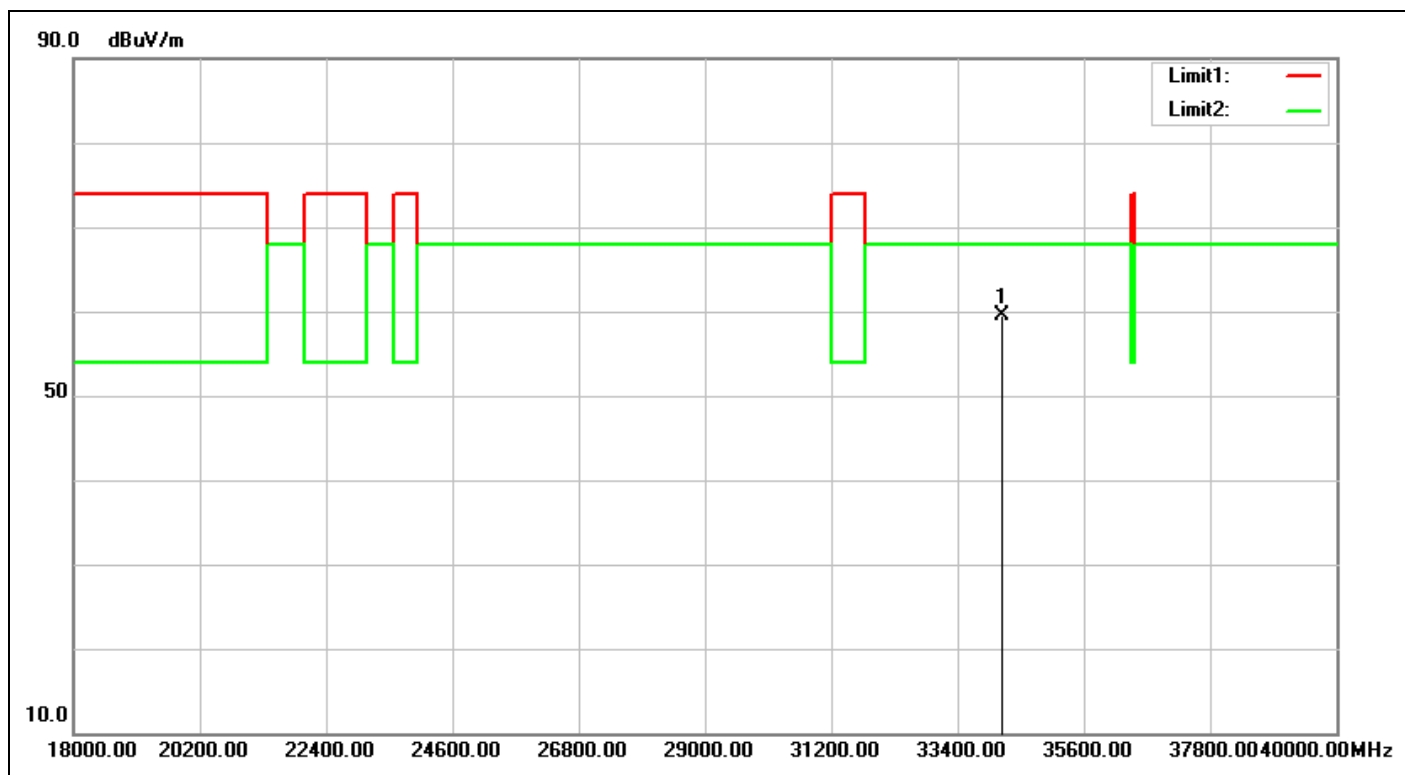
Spurious Emissions, RX Mode, 18G-40G



TUV Taiwan

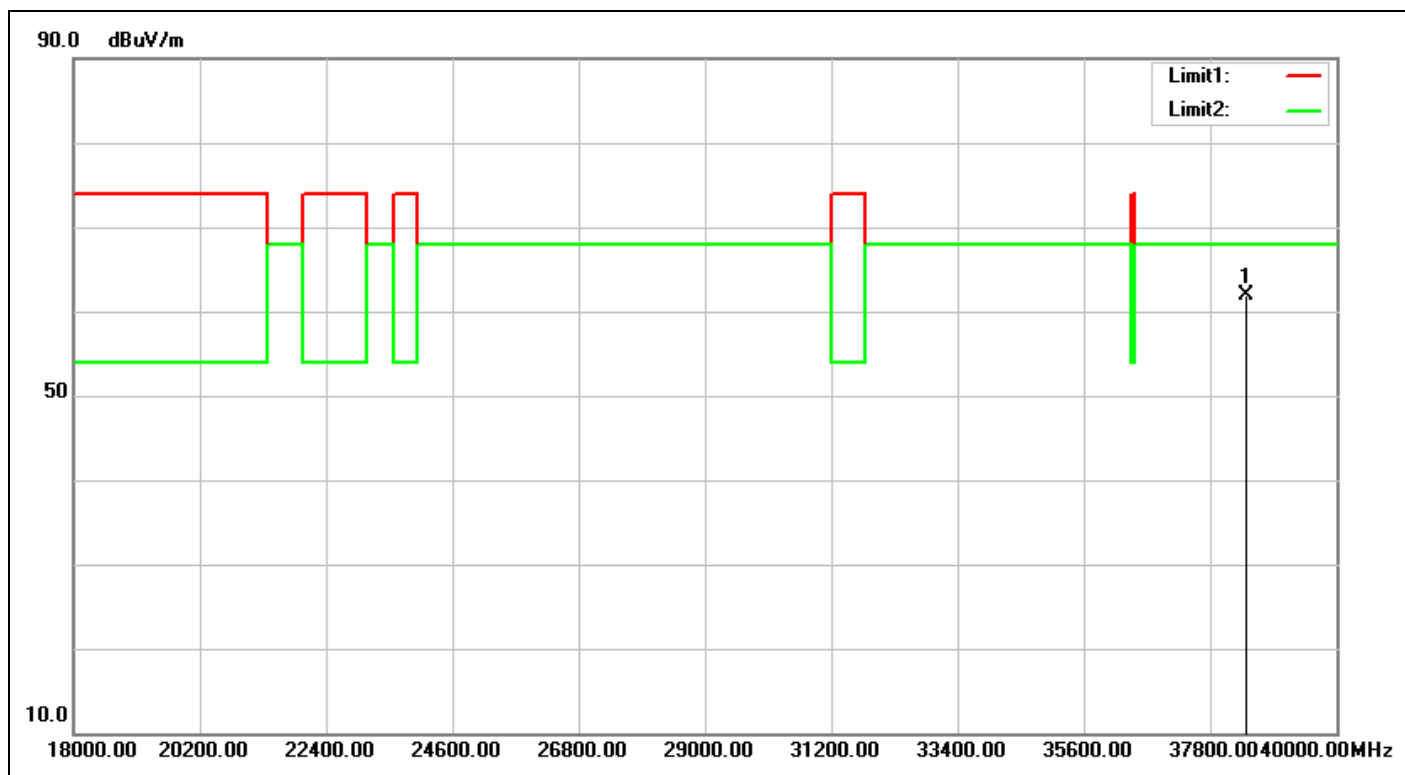
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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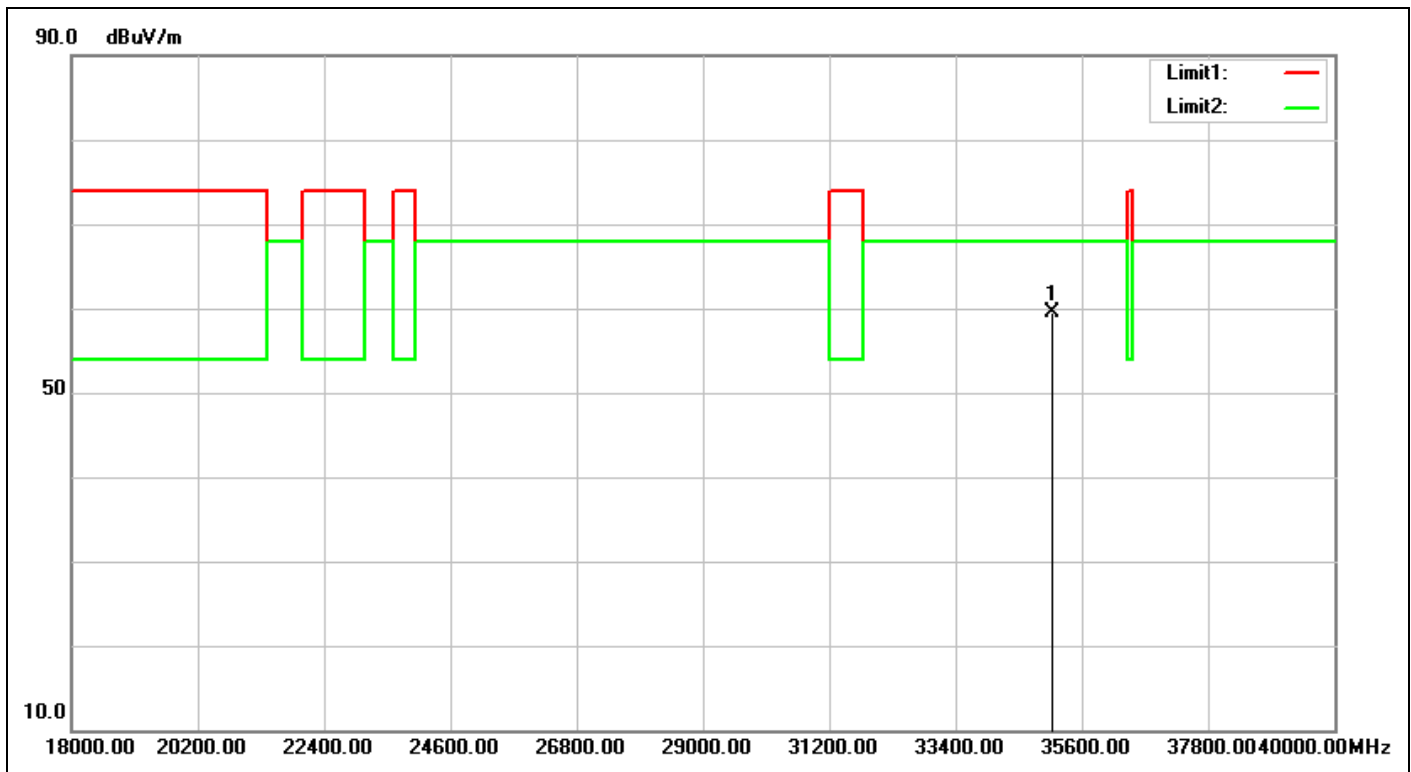
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Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:12:16
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	34170.000	38.41	21.08	59.49	68.00	-8.51	peak			



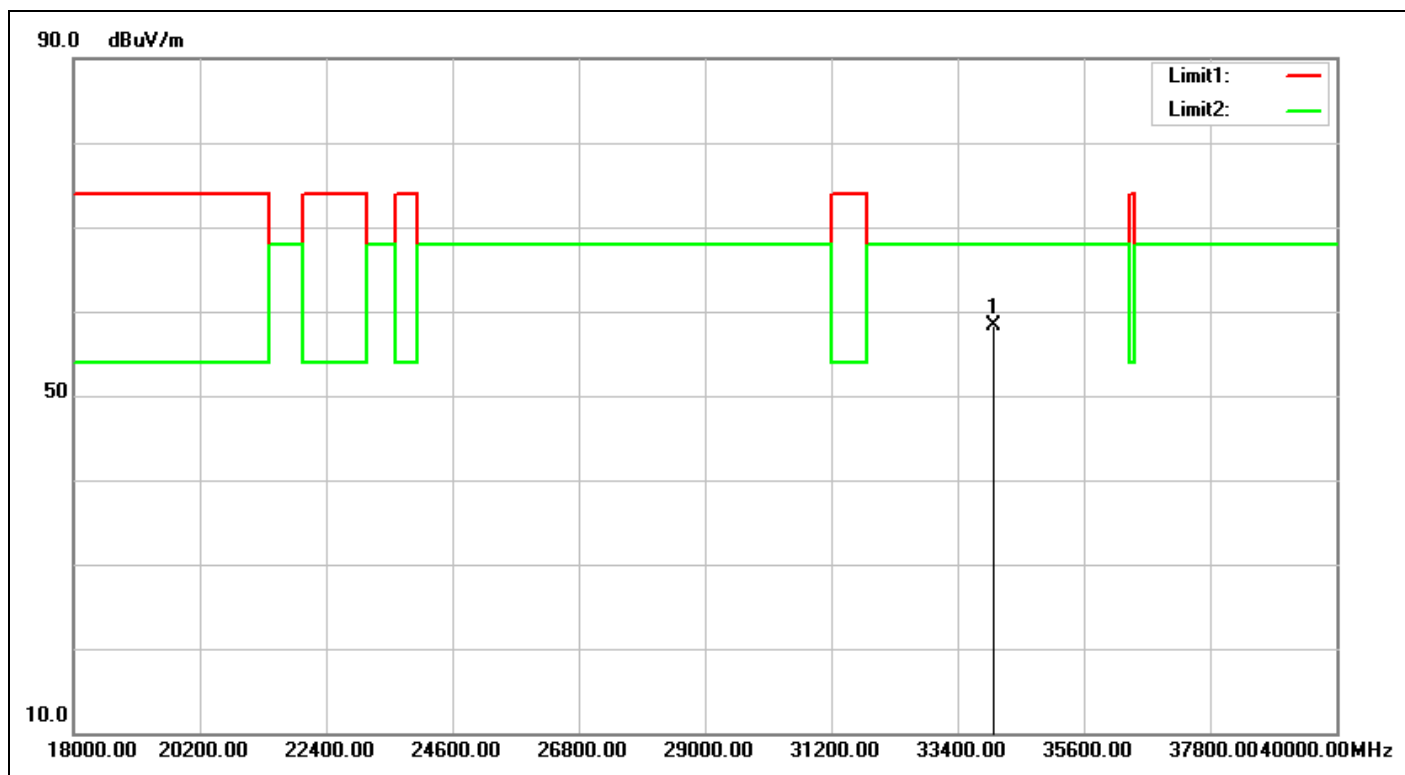
Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:12:34
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	38438.000	37.94	23.94	61.88	68.00	-6.12	peak			



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:12:59
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35094.000	38.90	20.54	59.44	68.00	-8.56	peak			



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:13:07
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%)	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	34016.000	38.48	19.75	58.23	68.00	-9.77	peak			

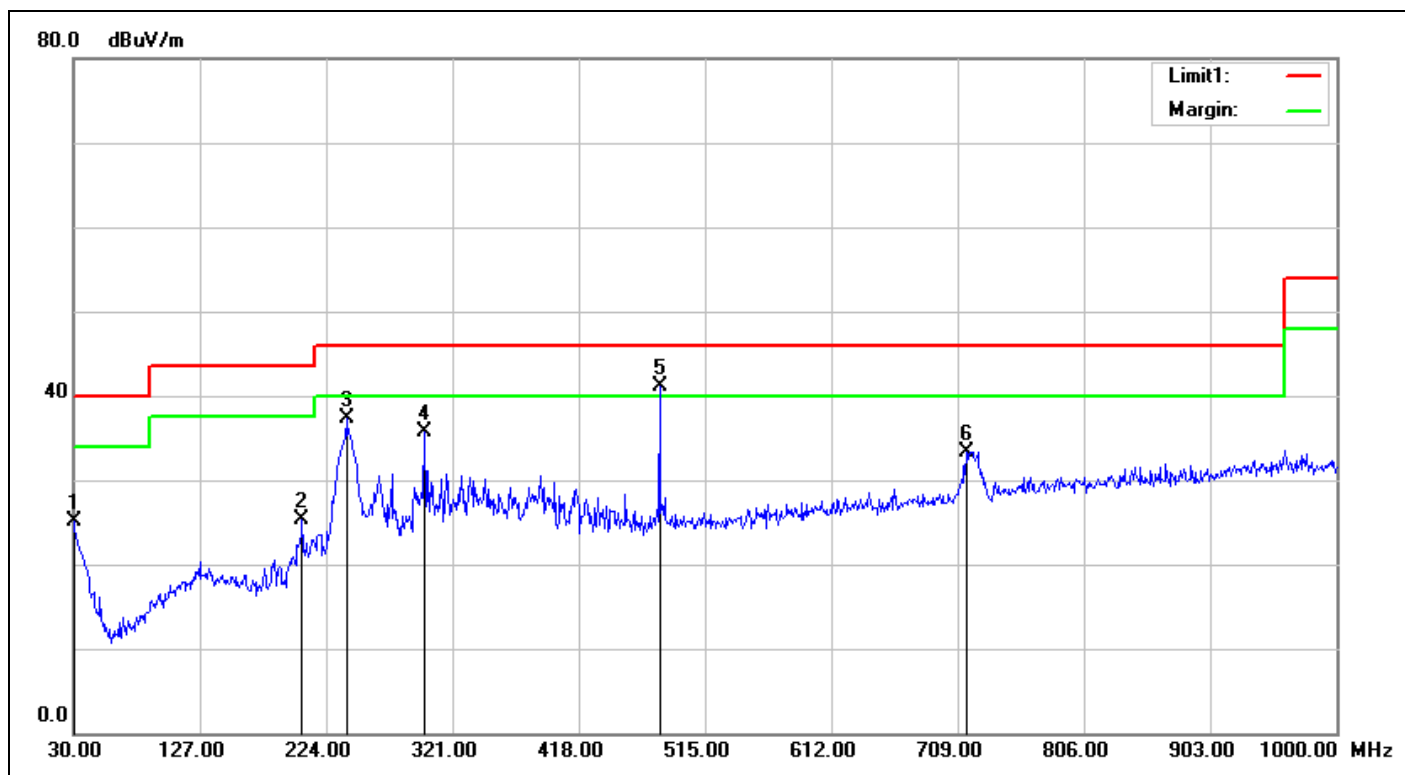
Spurious Emissions, RX Mode, 30M-1G



TUV Taiwan

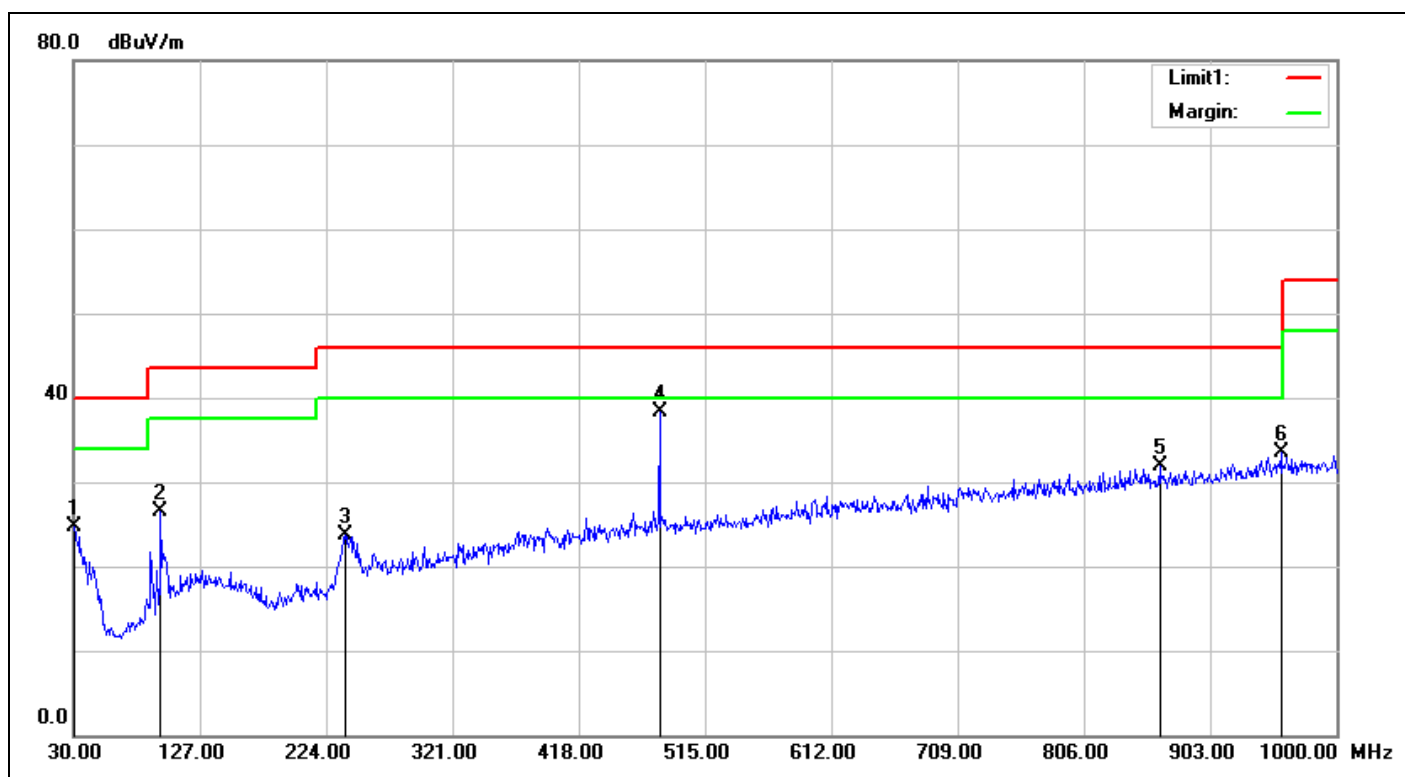
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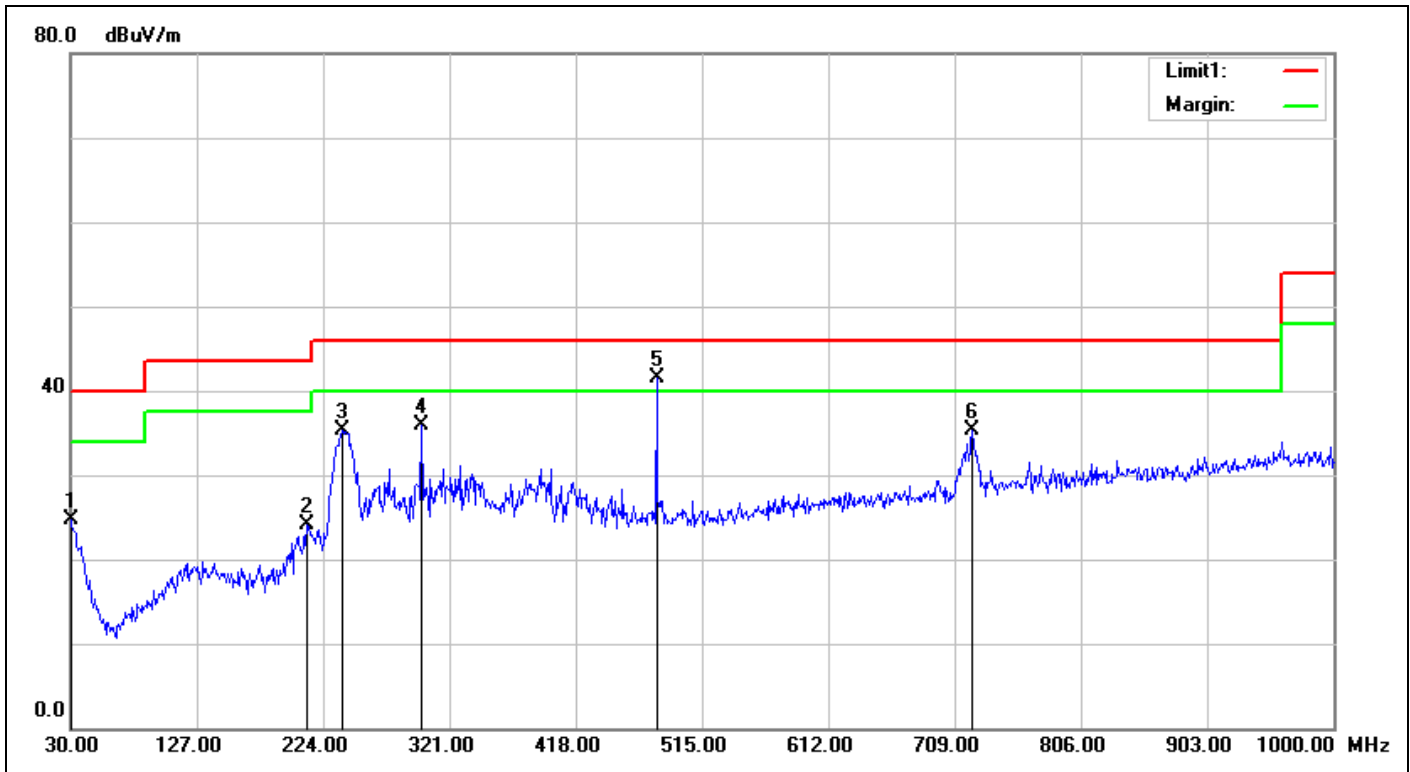
Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:44:17
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-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	25.23	25.16	40.00	-14.84	QP	100	89	
2	205.5699	-8.70	34.08	25.38	43.50	-18.12	QP	100	288	
3	239.5200	-6.73	44.06	37.33	46.00	-8.67	QP	100	302	
4	299.6600	-4.48	40.21	35.73	46.00	-10.27	QP	100	304	
5	480.0799	-1.62	42.79	41.17	46.00	-4.83	QP	100	243	
6	715.7899	1.47	31.90	33.37	46.00	-12.63	QP	100	259	



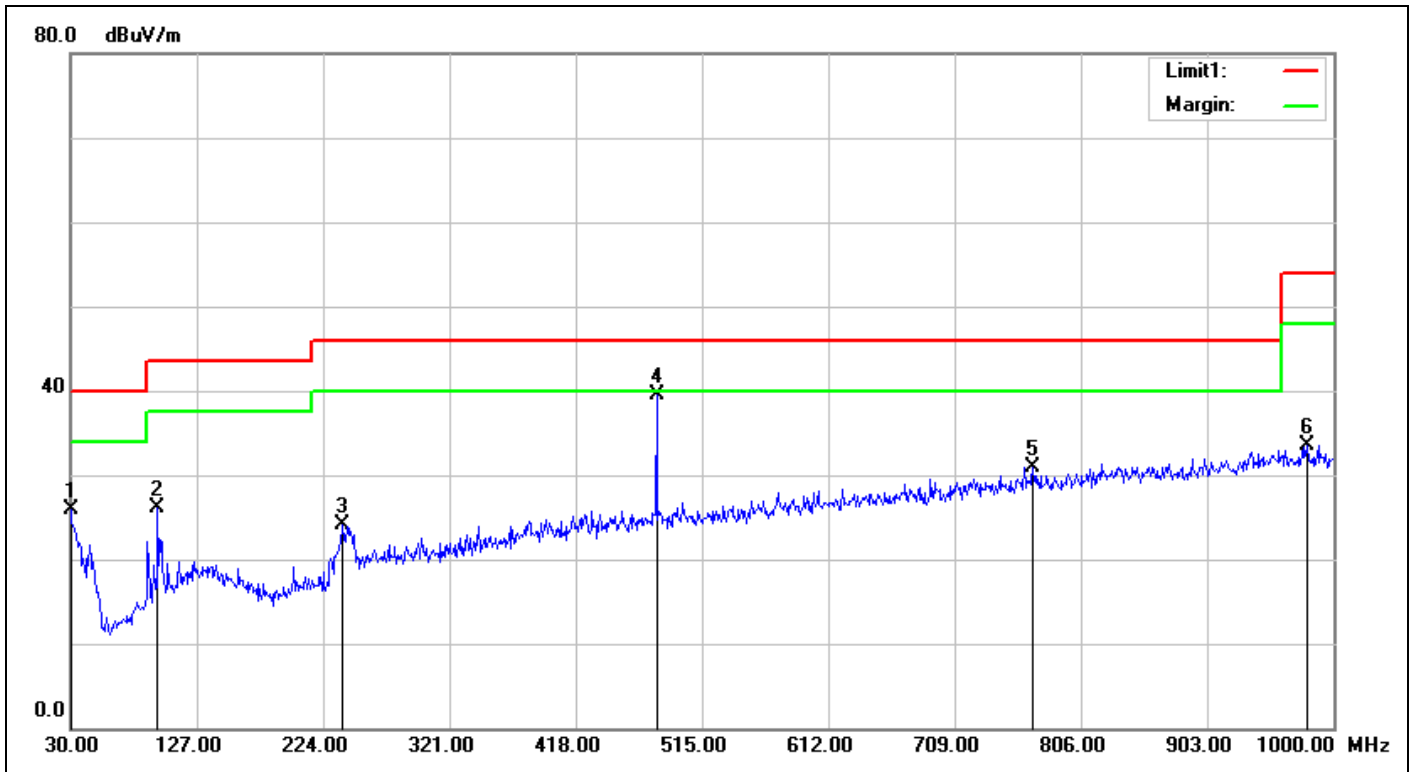
Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:45:21
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5220-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	25.31	24.69	40.00	-15.31	QP	100	351	
2	96.9300	-9.89	36.41	26.52	43.50	-16.98	QP	100	298	
3	238.5500	-6.82	30.44	23.62	46.00	-22.38	QP	100	181	
4	480.0800	-1.62	39.98	38.36	46.00	-7.64	QP	100	179	
5	864.2000	3.82	28.11	31.93	46.00	-14.07	QP	100	330	
6	957.3200	5.45	28.05	33.50	46.00	-12.50	QP	100	85	



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/22 18:47:02
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-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	24.75	24.68	40.00	-15.32	QP	100	253	
2	211.3899	-8.51	32.56	24.05	43.50	-19.45	QP	100	272	
3	238.5500	-6.82	42.17	35.35	46.00	-10.65	QP	100	282	
4	299.6600	-4.48	40.29	35.81	46.00	-10.19	QP	100	287	
5	480.0799	-1.62	43.03	41.41	46.00	-4.59	QP	100	251	
6	722.5800	1.65	33.57	35.22	46.00	-10.78	QP	100	264	



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/22 18:48:06
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	24(°C)/55%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-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	26.02	25.95	40.00	-14.05	QP	100	147	
2	96.9300	-9.89	36.05	26.16	43.50	-17.34	QP	100	301	
3	238.5500	-6.82	30.91	24.09	46.00	-21.91	QP	100	157	
4	480.0800	-1.62	41.03	39.41	46.00	-6.59	QP	100	195	
5	769.1400	2.53	28.39	30.92	46.00	-15.08	QP	100	261	
6	979.6300	5.65	27.87	33.52	54.00	-20.48	QP	100	274	

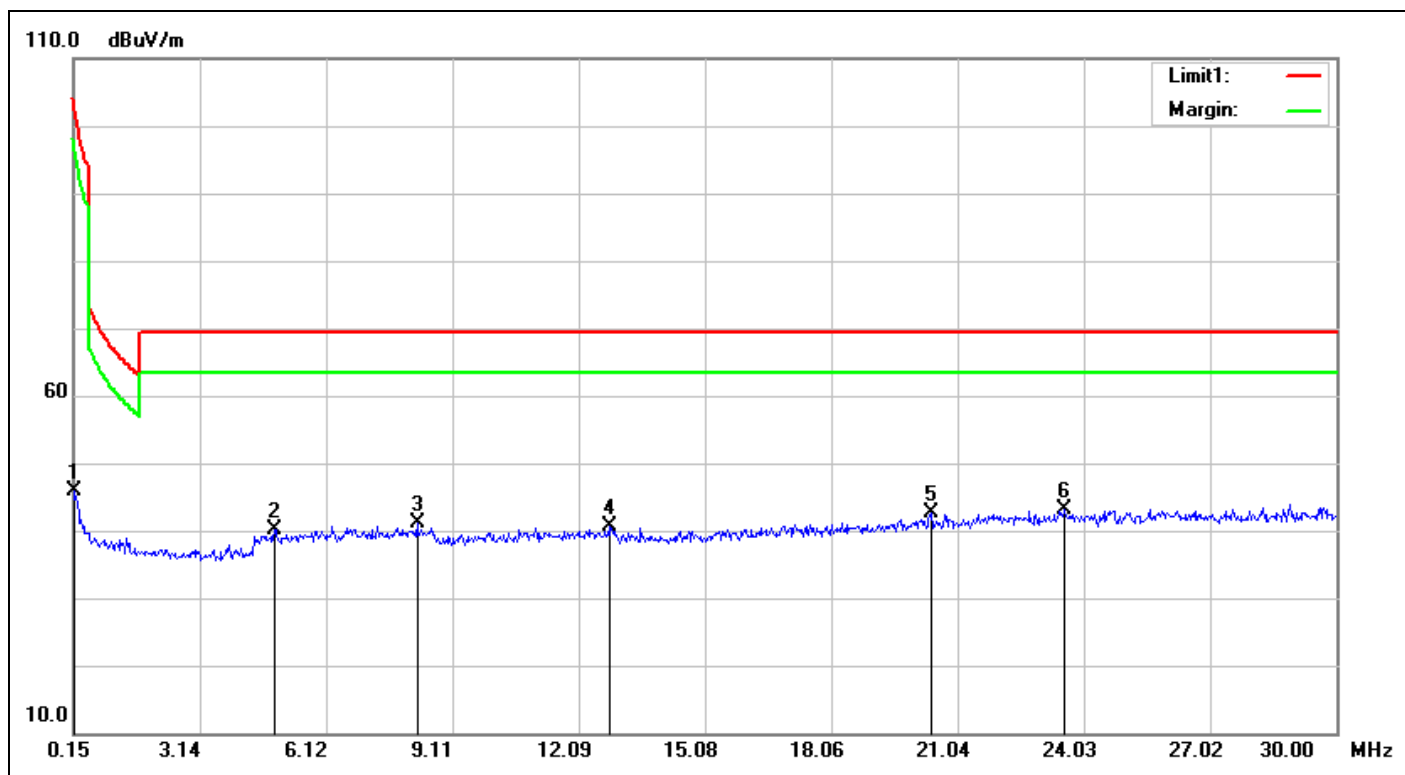
Spurious Emissions, RX Mode, 150K-30M



TUV Taiwan

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

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Service No.: 114062897(AD-1)-NCC

Test Distance: 3m

Test Standard: NCC2.8_9k-1G_3m

Ant. Polarization:

Test item: Radiation Emission

Test Time: 2017/5/25 20:22:10

Applicant: TPCast

Test Rating: DC 5V

Product: Power Box

Temp.(°C)/Hum.(%): 20.3(°C)/63%

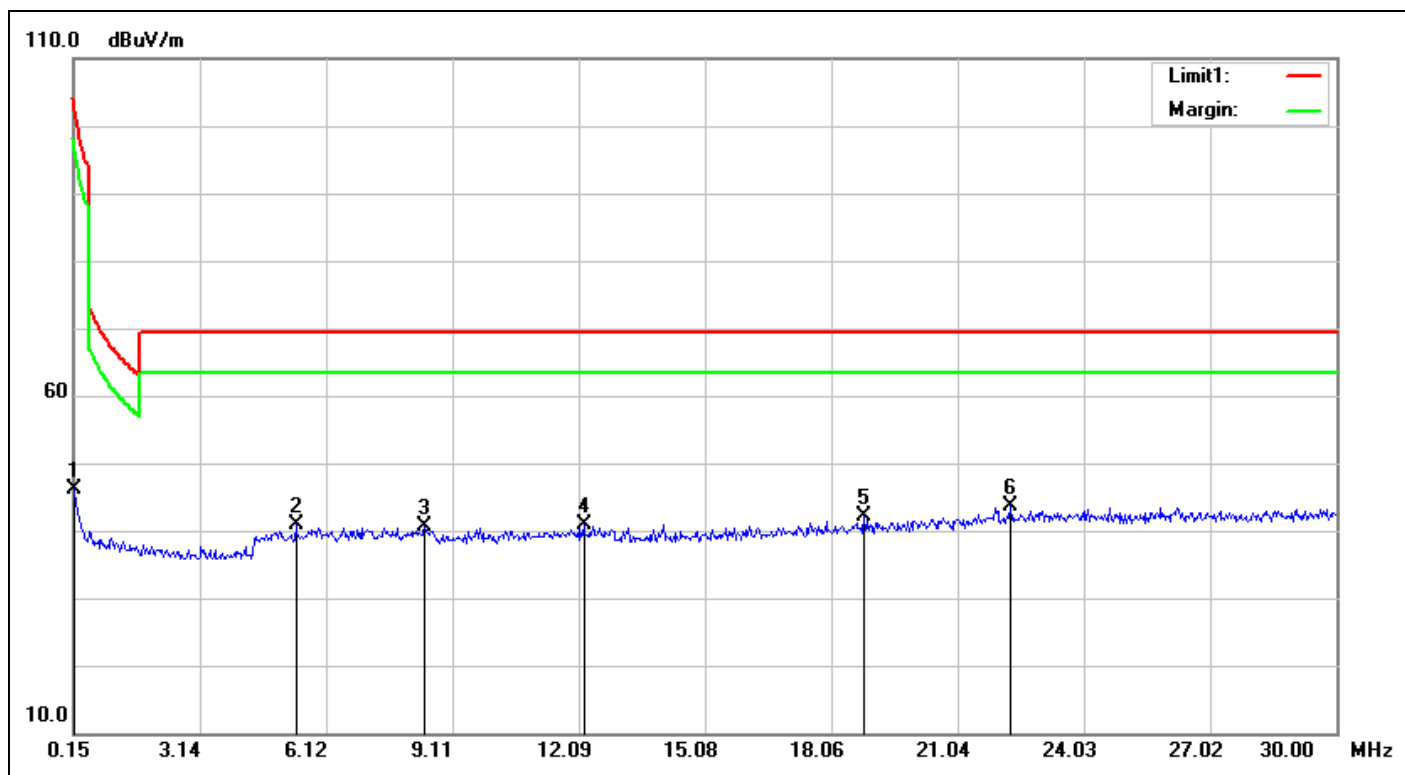
Model No.: AD-1

Test Engineer: George Yang

Test Mode: A20-5220-RX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1799	18.77	27.22	45.99	102.47	-56.48	QP	100	224	
2	4.8961	19.56	20.59	40.15	69.50	-29.35	QP	100	159	
3	8.2692	20.11	20.99	41.10	69.50	-28.40	QP	100	45	
4	12.8063	20.72	20.01	40.73	69.50	-28.77	QP	100	0	
5	20.4182	21.59	21.01	42.60	69.50	-26.90	QP	100	14	
6	23.5822	21.81	21.37	43.18	69.50	-26.32	QP	100	215	



Service No.: 114062897(AD-1)-NCC

Test Distance: 3m

Test Standard: NCC2.8_9k-1G_3m

Ant. Polarization:

Test item: Radiation Emission

Test Time: 2017/5/25 20:24:50

Applicant: TPCast

Test Rating: DC 5V

Product: Power Box

Temp.(°C)/Hum.(%): 20.3(°C)/63%

Model No.: AD-1

Test Engineer: George Yang

Test Mode: A20-5785-RX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1799	18.77	27.30	46.07	102.47	-56.40	QP	100	359	
2	5.4036	19.66	21.32	40.98	69.50	-28.52	QP	100	87	
3	8.4483	20.14	20.38	40.52	69.50	-28.98	QP	100	288	
4	12.2094	20.64	20.21	40.85	69.50	-28.65	QP	100	210	
5	18.8361	21.41	20.72	42.13	69.50	-27.37	QP	100	78	
6	22.2987	21.72	21.87	43.59	69.50	-25.91	QP	100	248	

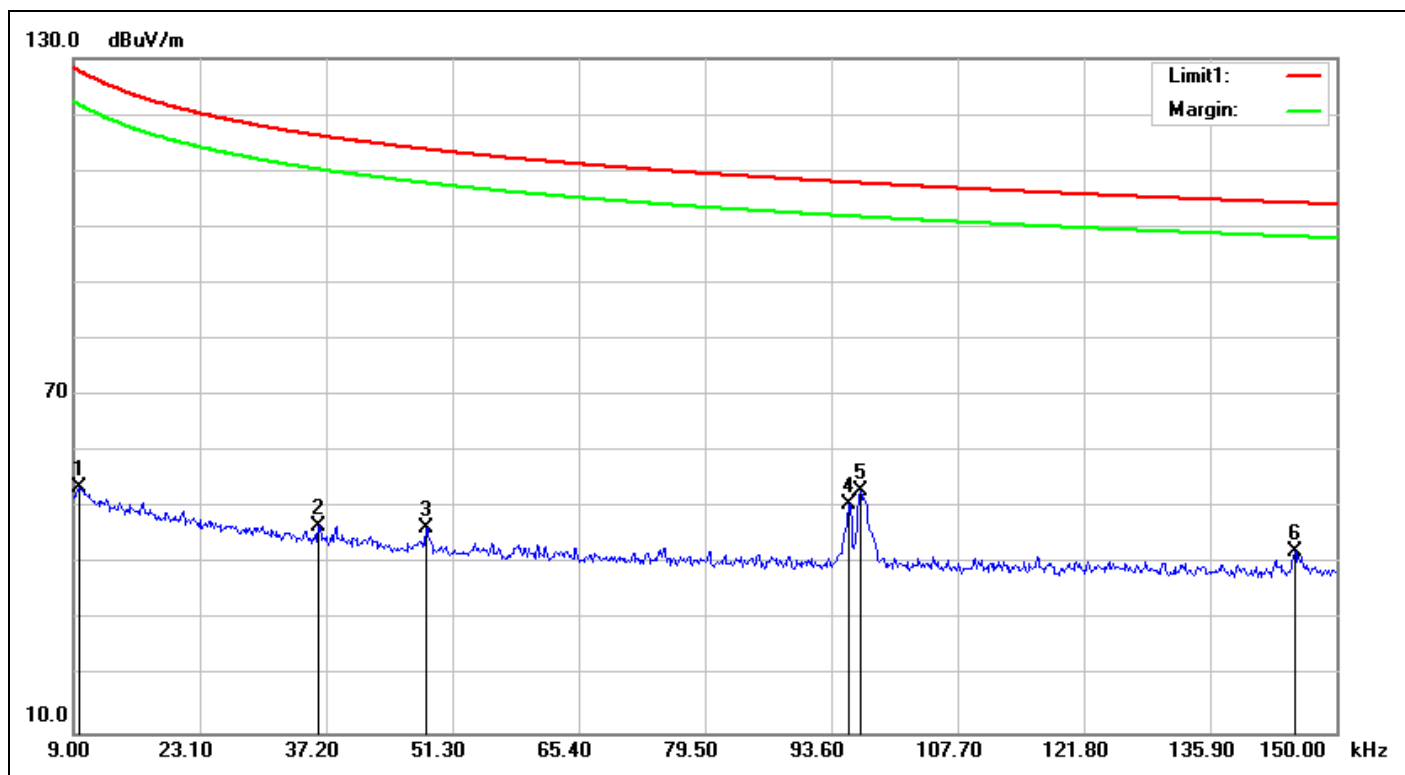
Spurious Emissions, RX Mode, 9K-150K



TUV Taiwan

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

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



Service No.: 114062897(AD-1)-NCC

Test Distance: 3m

Test Standard: NCC2.8_9k-1G_3m

Ant. Polarization:

Test item: Radiation Emission

Test Time: 2017/5/25 20:14:52

Applicant: TPCast

Test Rating: DC 5V

Product: Power Box

Temp.(°C)/Hum.(%): 20.3(°C)/63%

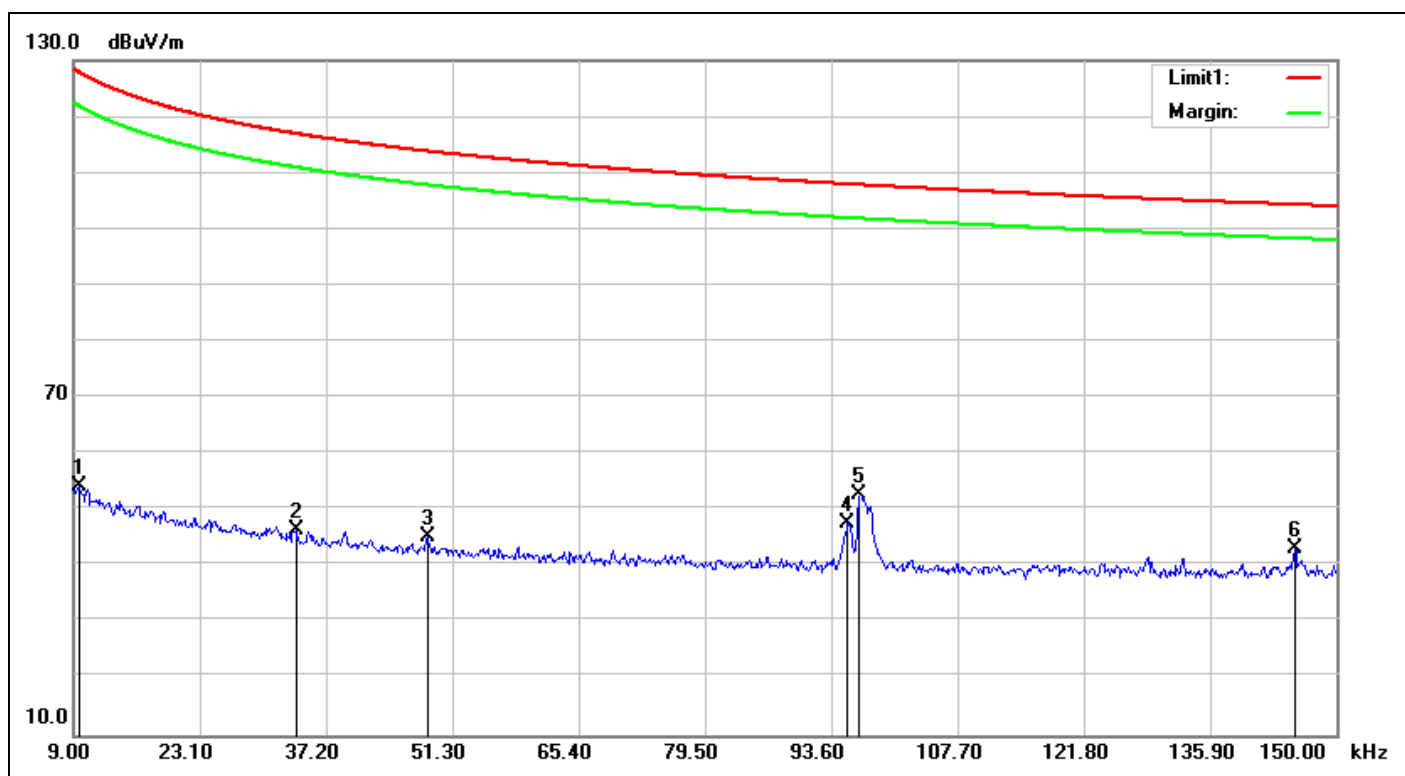
Model No.: AD-1

Test Engineer: George Yang

Test Mode: A20-5220-RX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0097	20.13	33.62	53.75	127.66	-73.91	QP	100	29	
2	0.0363	19.90	26.90	46.80	116.27	-69.47	QP	100	187	
3	0.0483	19.30	27.26	46.56	113.80	-67.24	QP	100	308	
4	0.0955	18.88	31.71	50.59	107.92	-57.33	QP	100	134	
5	0.0967	18.87	34.28	53.15	107.81	-54.66	QP	100	47	
6	0.1453	18.80	23.50	42.30	104.29	-61.99	QP	100	10	



Service No.:	114062897(AD-1)-NCC	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/25 20:15:55
Applicant:	TPCast	Test Rating:	DC 5V
Product:	Power Box	Temp.(°C)/Hum.(%):	20.3(°C)/63%
Model No.:	AD-1	Test Engineer:	George Yang
Test Mode:	A20-5785-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	34.35	54.39	127.84	-73.45	QP	100	272	
2	0.0338	20.03	26.44	46.47	116.95	-70.48	QP	100	183	
3	0.0485	19.29	25.96	45.25	113.82	-68.57	QP	100	357	
4	0.0954	18.88	28.75	47.63	107.96	-60.33	QP	100	357	
5	0.0967	18.87	33.94	52.81	107.85	-55.04	QP	100	162	
6	0.1453	18.80	24.43	43.23	104.32	-61.09	QP	100	170	