

Test Report No.50088174 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50088174AppendixD)

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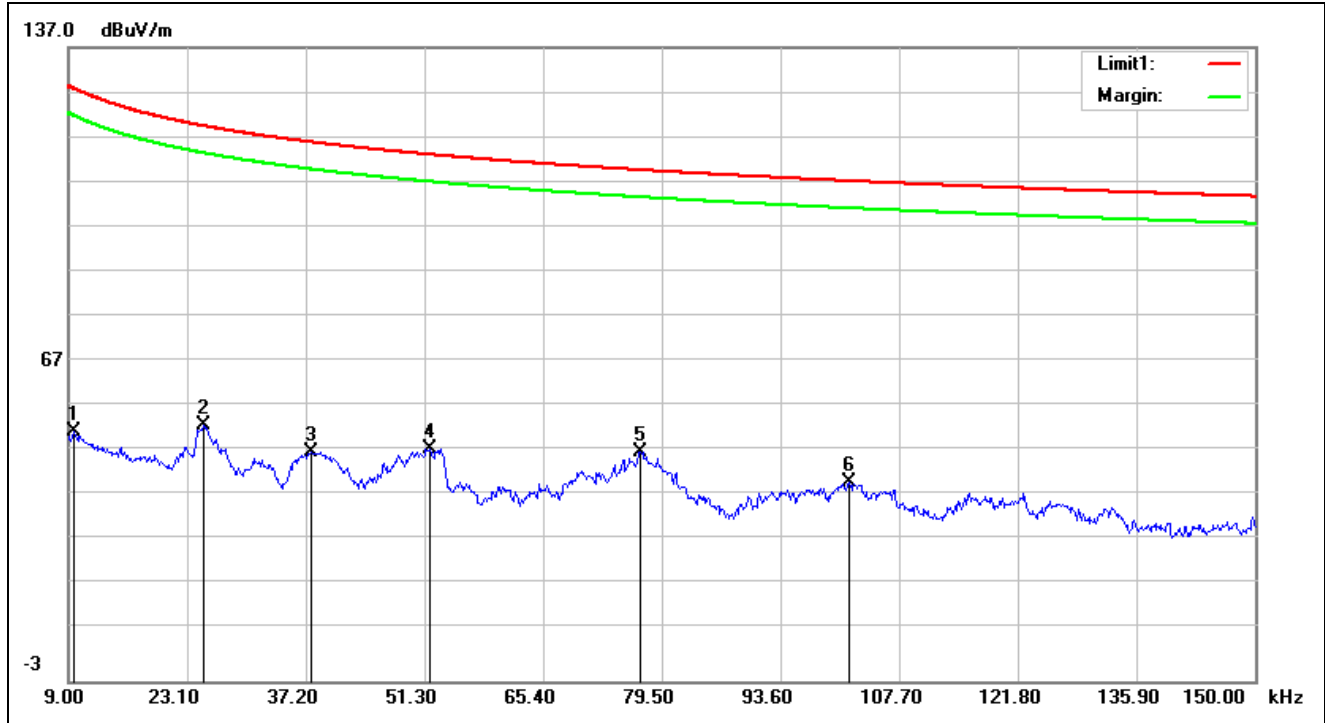
Spurious Emissions, TX Mode, 9k-150k



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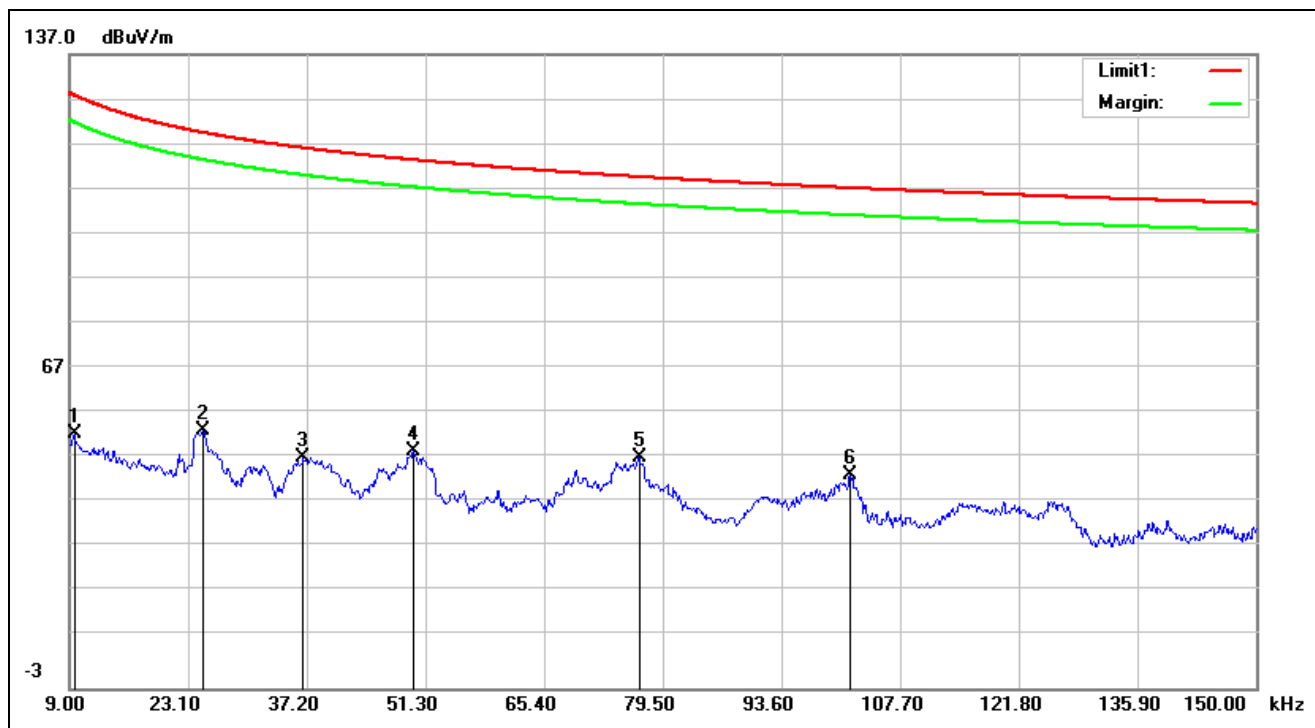
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Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC 15.225_9k-30M_3m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 14:33:04
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-60.48-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	20.01	32.11	52.12	127.96	-75.84	QP	100	163	
2	0.0251	20.25	33.21	53.46	119.61	-66.15	QP	100	176	
3	0.0379	19.83	27.69	47.52	116.03	-68.51	QP	100	181	
4	0.0520	19.20	29.11	48.31	113.28	-64.97	QP	100	176	
5	0.0770	19.01	28.71	47.72	109.87	-62.15	QP	100	171	
6	0.1018	18.84	22.08	40.92	107.45	-66.53	QP	100	171	

Spurious Emissions, Band Edge, 2.35-2.5G



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC 15.225_9k-30M_3m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 14:42:11
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-62.64-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	20.01	33.00	53.01	127.96	-74.95	QP	100	14	
2	0.0249	20.26	33.60	53.86	119.68	-65.82	QP	100	174	
3	0.0368	19.88	27.97	47.85	116.29	-68.44	QP	100	176	
4	0.0499	19.22	29.96	49.18	113.64	-64.46	QP	100	171	
5	0.0767	19.02	29.07	48.09	109.91	-61.82	QP	100	179	
6	0.1018	18.84	25.24	44.08	107.45	-63.37	QP	100	168	

Spurious Emissions, Band Edge, 2.35-2.5G

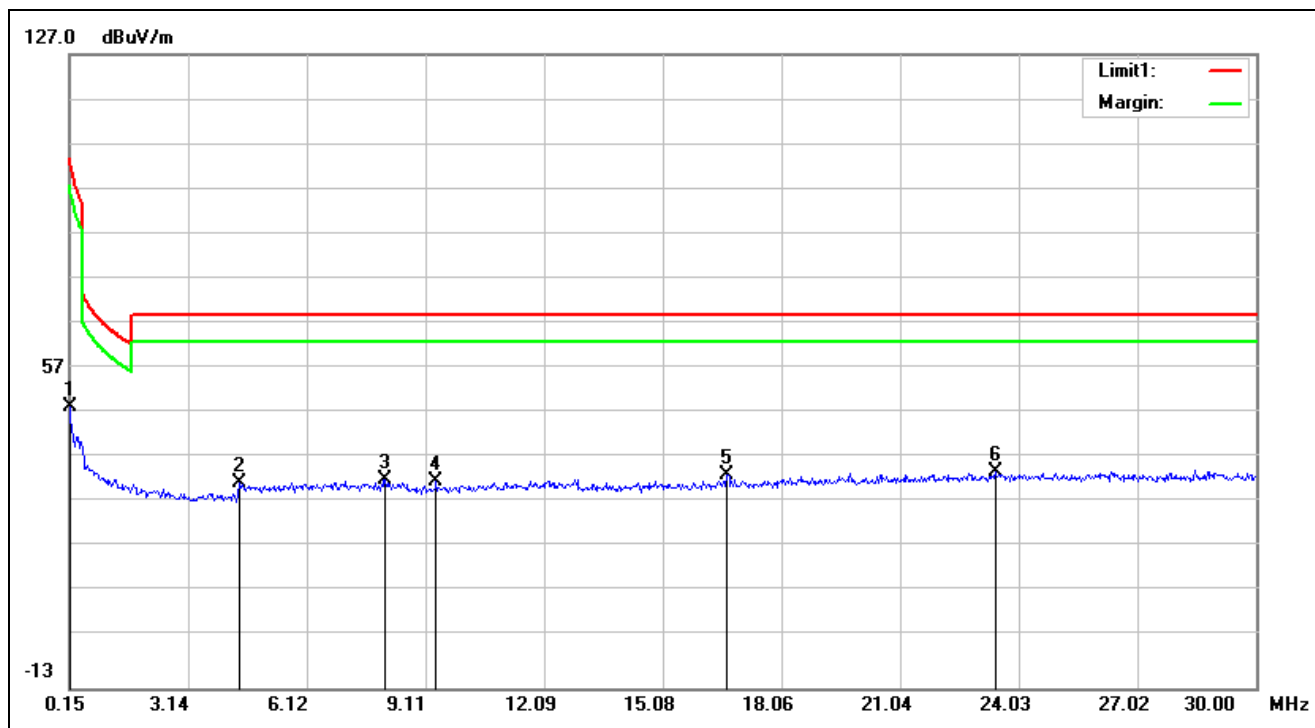
Spurious Emissions, TX Mode, 150k-30M



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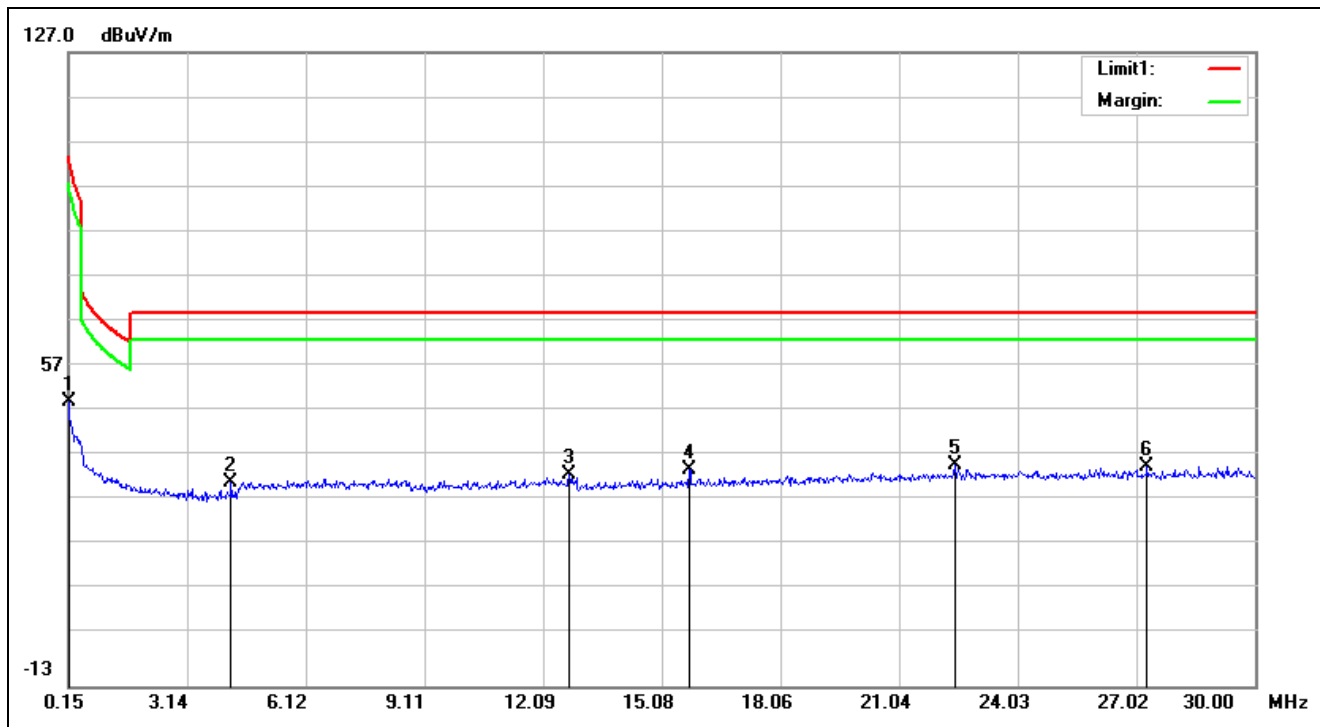
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Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC 15.225_9k-30M_3m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 14:36:05
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-60.48-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	18.80	30.39	49.19	104.08	-54.89	QP	100	187	
2	4.4186	19.39	12.88	32.27	69.54	-37.27	QP	100	6	
3	8.0901	20.08	12.97	33.05	69.54	-36.49	QP	100	64	
4	9.3737	20.29	12.27	32.56	69.54	-36.98	QP	100	246	
5	16.6869	21.17	12.80	33.97	69.54	-35.57	QP	100	115	
6	23.4330	21.80	13.03	34.83	69.54	-34.71	QP	100	35	

Spurious Emissions, Band Edge, 2.35-2.5G



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC 15.225_9k-30M_3m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 14:43:42
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-62.64-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	18.80	30.98	49.78	104.08	-54.30	QP	100	197	
2	4.2395	19.32	12.74	32.06	69.54	-37.48	QP	100	35	
3	12.7467	20.71	12.86	33.57	69.54	-35.97	QP	100	229	
4	15.7616	21.05	13.73	34.78	69.54	-34.76	QP	100	226	
5	22.4480	21.73	13.98	35.71	69.54	-33.83	QP	100	120	
6	27.2837	22.08	13.48	35.56	69.54	-33.98	QP	100	141	

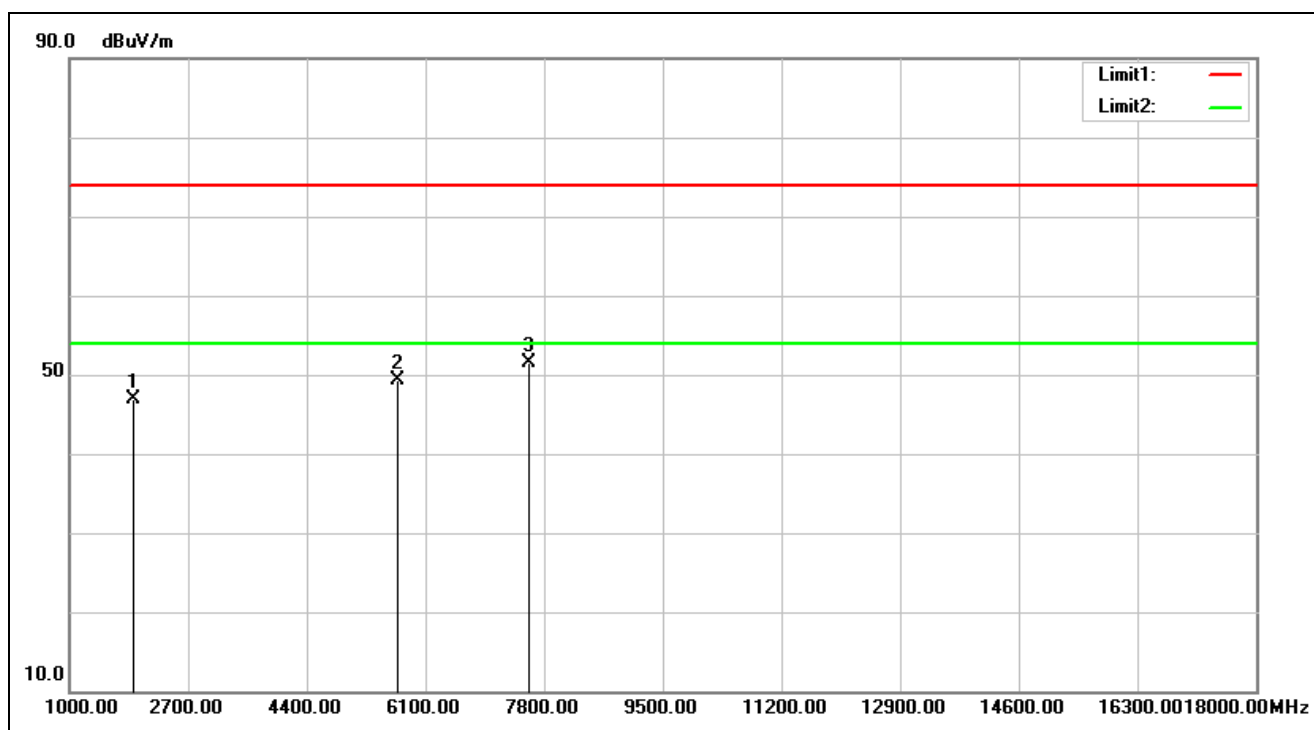
Spurious Emissions, TX Mode, 1-18G



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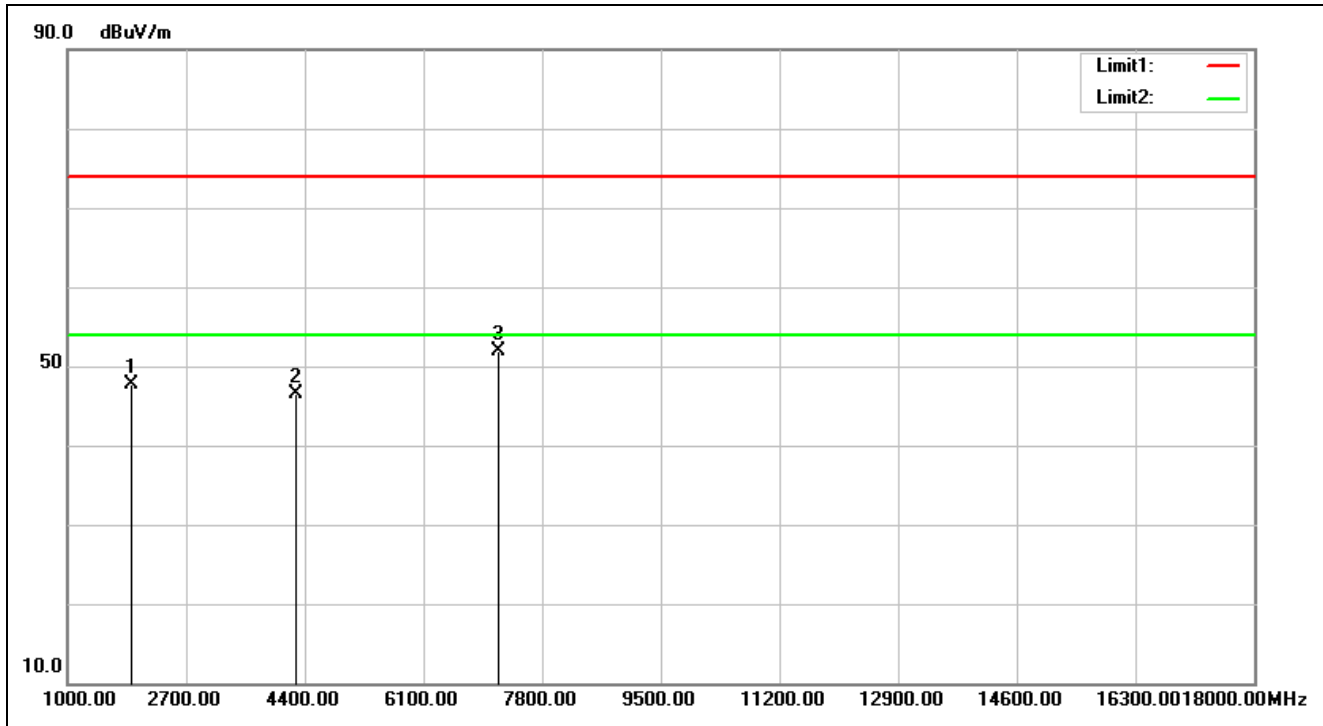
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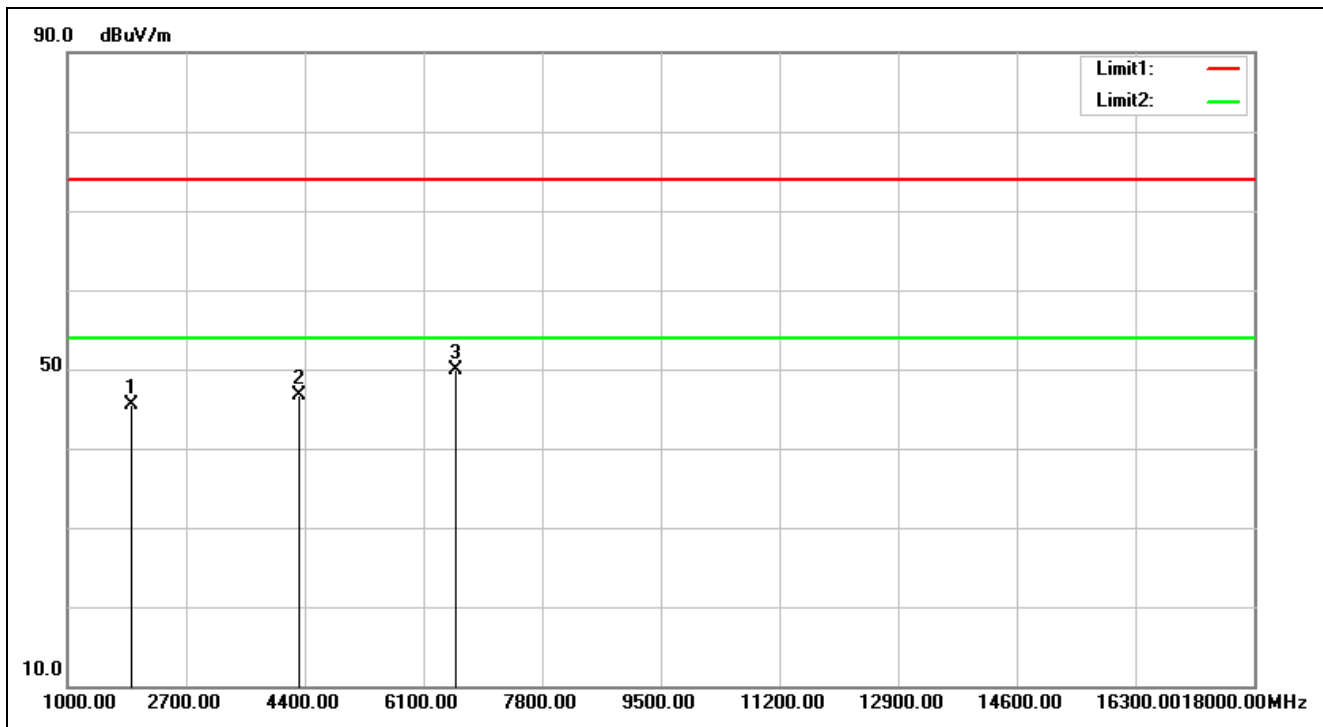
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:36:33
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.16-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	-9.27	56.10	46.83	74.00	-27.17	peak	100	31	
2	5692.000	0.78	48.50	49.28	74.00	-24.72	peak	100	31	
3	7579.000	5.51	46.07	51.58	74.00	-22.42	peak	100	334	



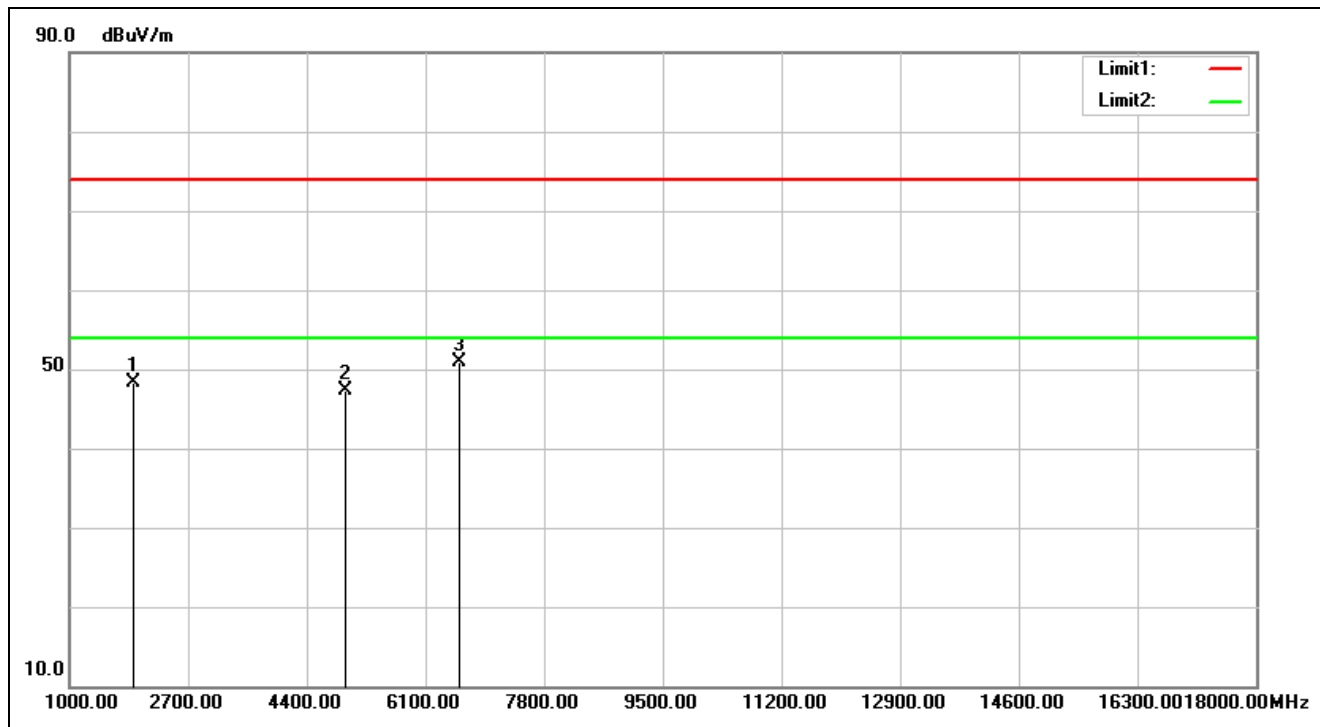
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:37:36
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.16-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	-9.27	56.98	47.71	74.00	-26.29	peak	100	79	
2	4264.000	-4.72	51.26	46.54	74.00	-27.46	peak	100	340	
3	7171.000	4.40	47.51	51.91	74.00	-22.09	peak	100	190	



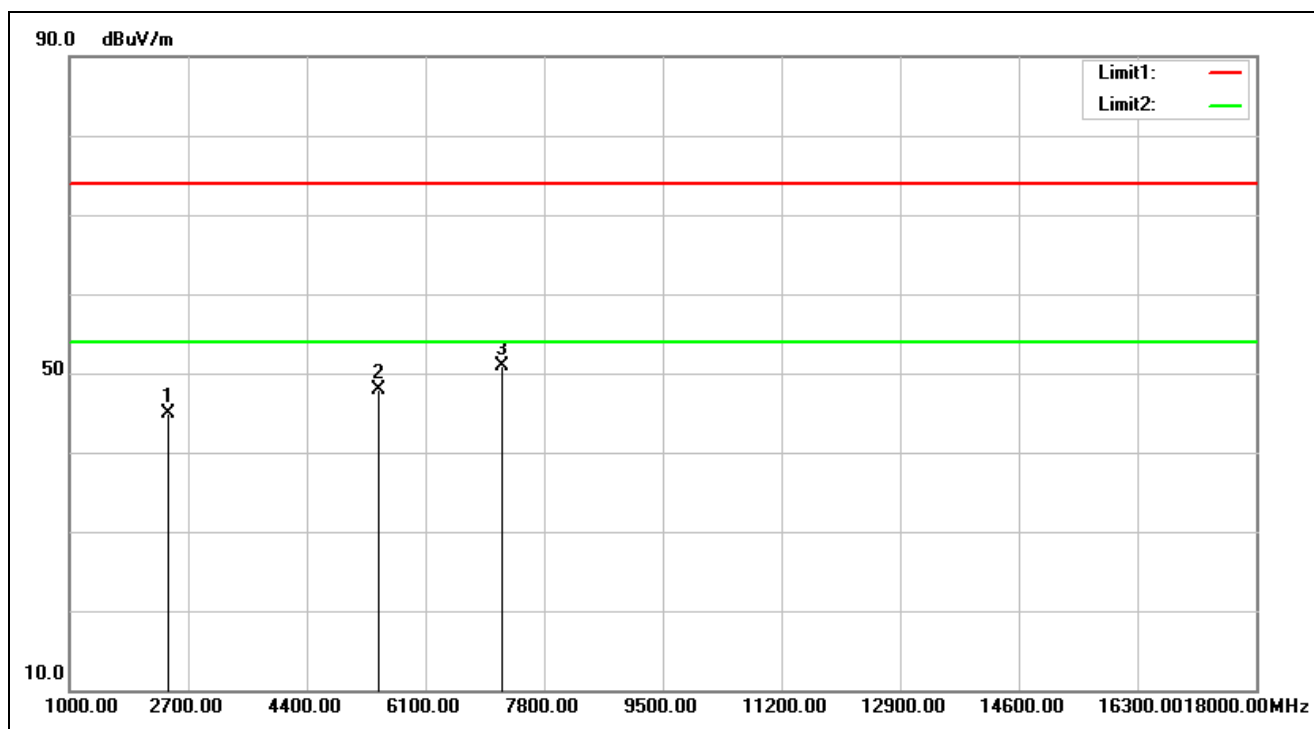
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:39:43
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.48-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	-9.27	54.73	45.46	74.00	-28.54	peak	100	28	
2	4315.000	-4.57	51.34	46.77	74.00	-27.23	peak	100	75	
3	6559.000	4.52	45.34	49.86	74.00	-24.14	peak	100	320	



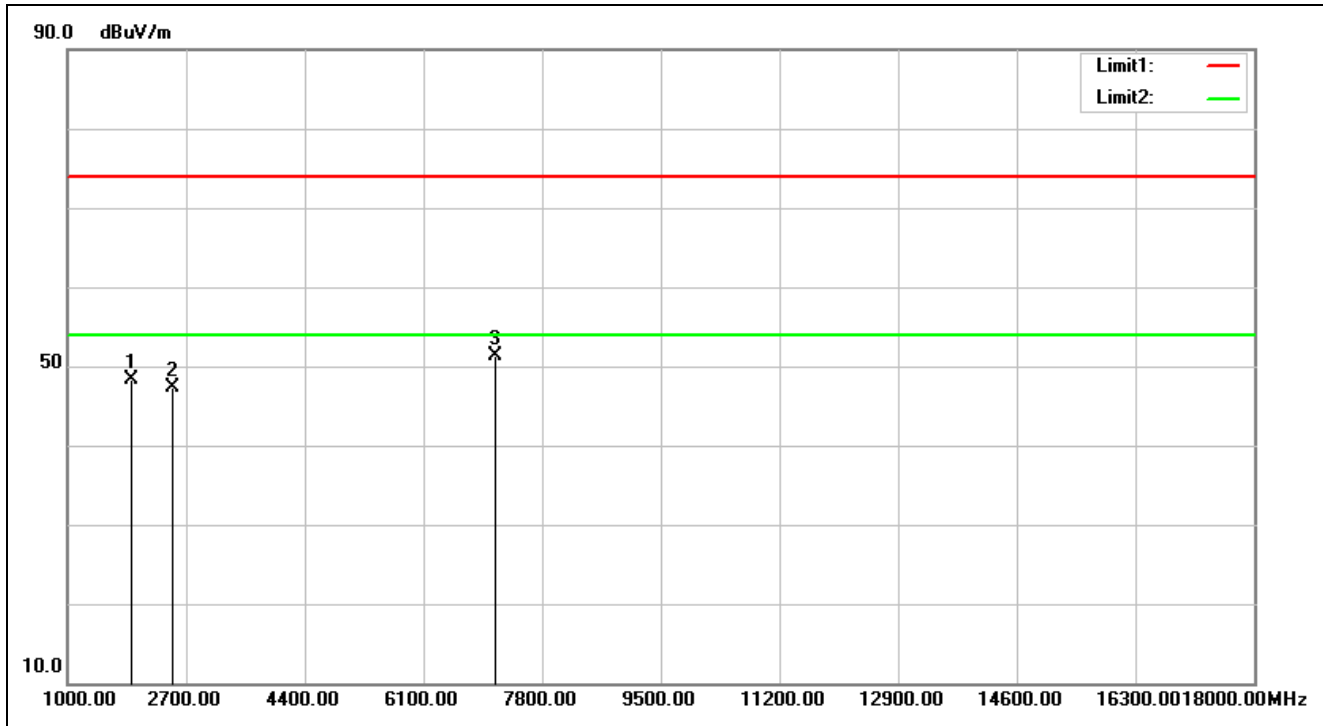
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:40:45
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.48-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	-9.27	57.64	48.37	74.00	-25.63	peak	100	52	
2	4944.000	-3.51	50.78	47.27	74.00	-26.73	peak	100	2	
3	6576.000	4.50	46.35	50.85	74.00	-23.15	peak	100	137	



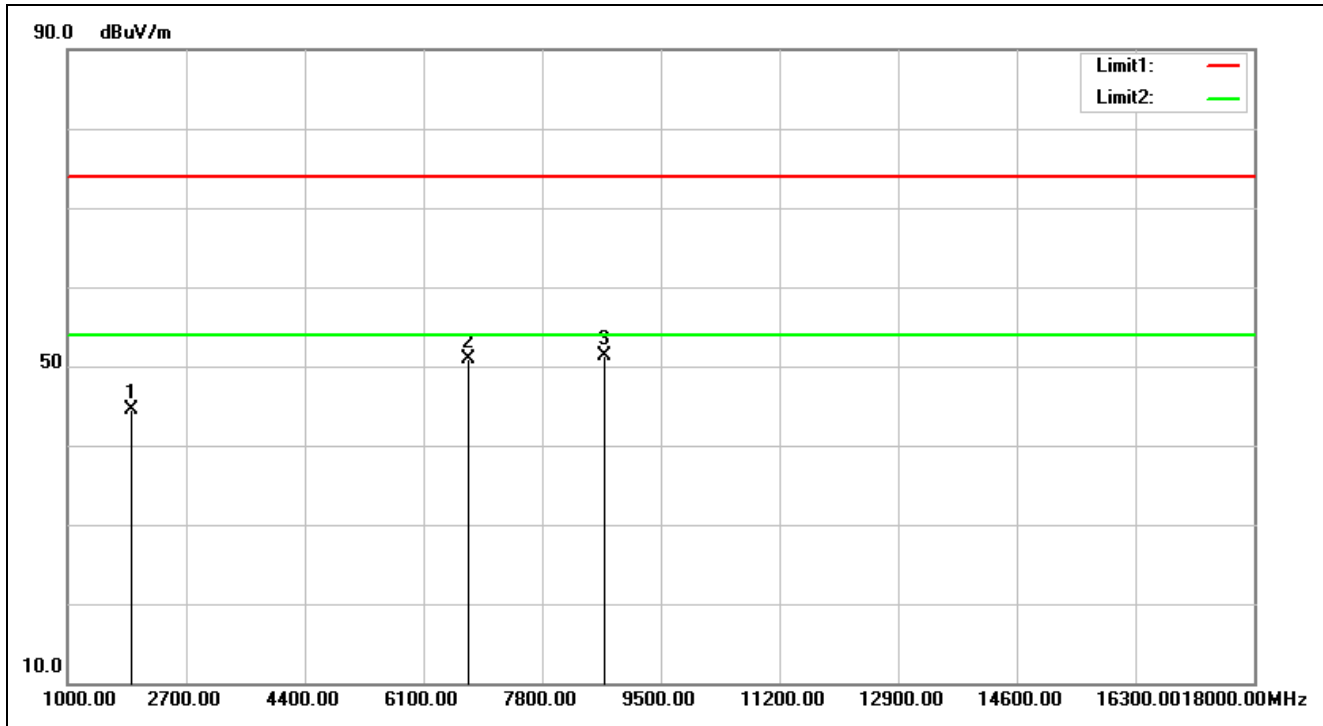
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:43:49
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.80-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2411.000	-8.00	52.98	44.98	74.00	-29.02	peak	100	0	
2	5420.000	-1.05	48.91	47.86	74.00	-26.14	peak	100	98	
3	7188.000	4.47	46.37	50.84	74.00	-23.16	peak	100	201	



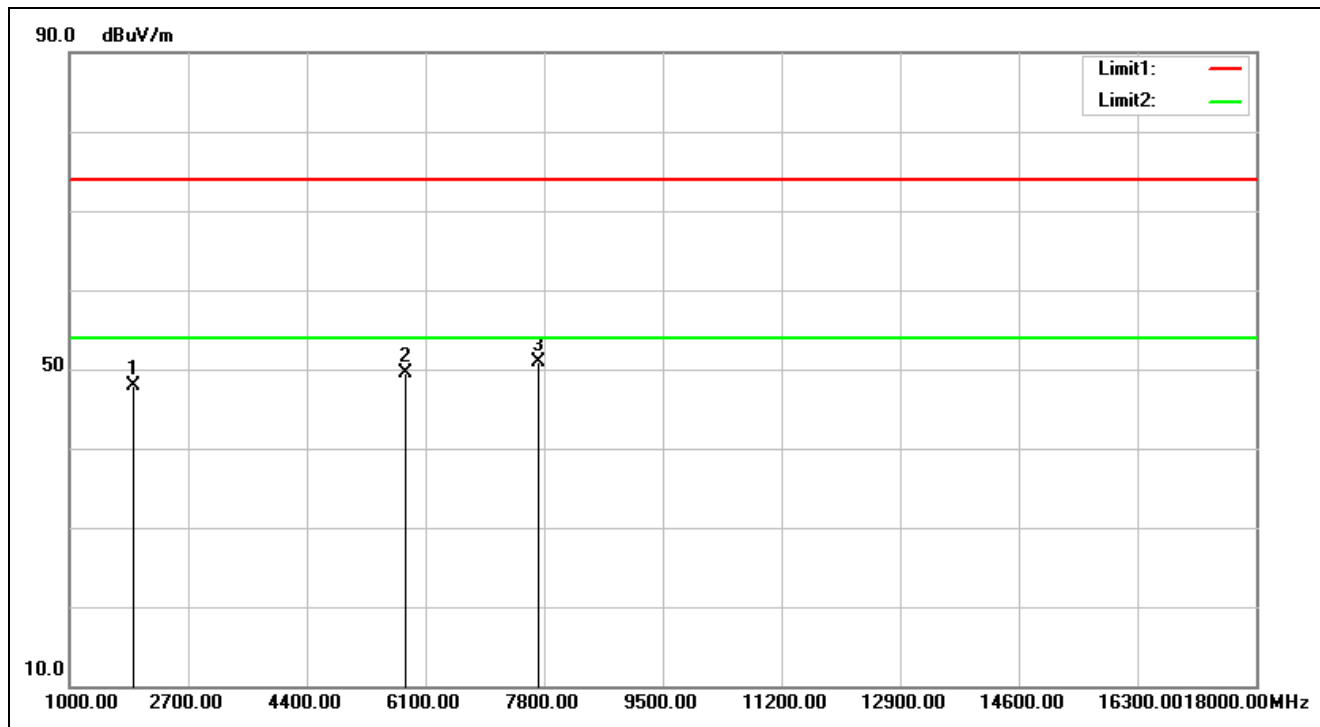
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:44:52
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.80-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	-9.27	57.59	48.32	74.00	-25.68	peak	100	48	
2	2513.000	-7.80	55.09	47.29	74.00	-26.71	peak	100	226	
3	7120.000	4.23	47.03	51.26	74.00	-22.74	peak	100	151	



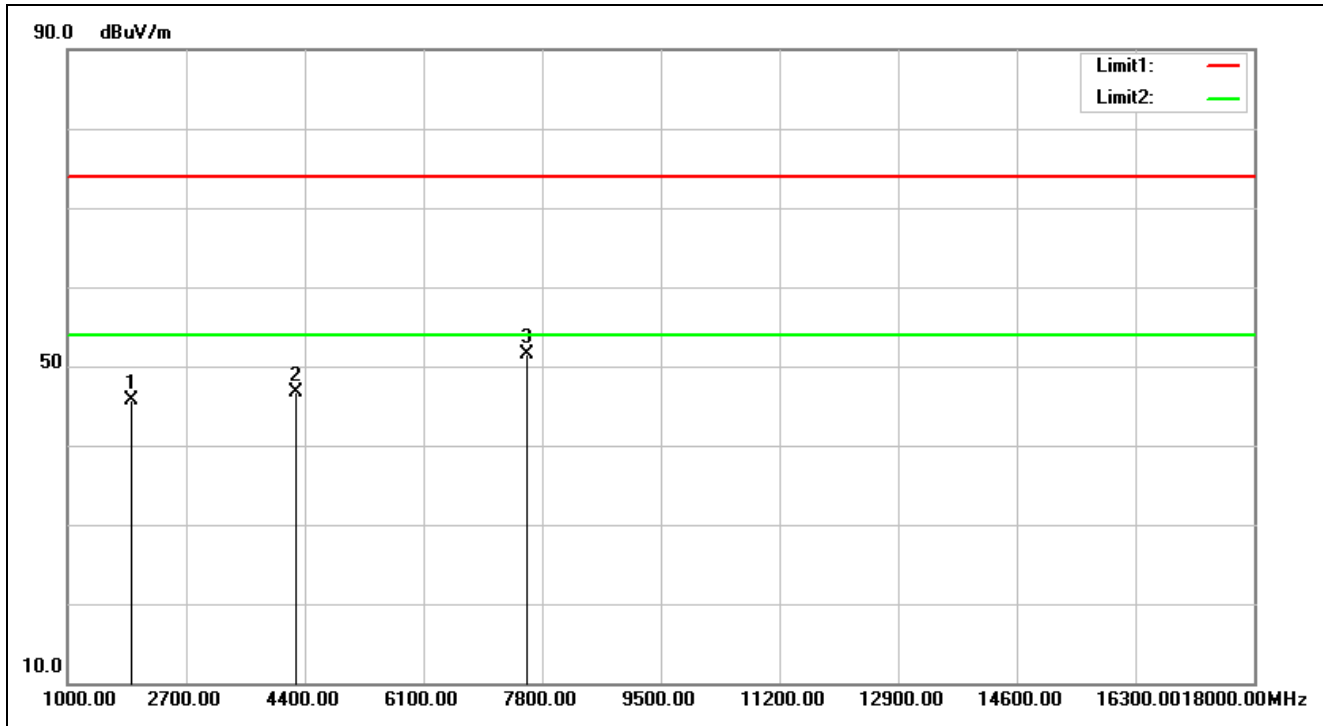
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:51:01
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.32-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	-9.27	53.79	44.52	74.00	-29.48	peak	100	129	
2	6746.000	4.22	46.69	50.91	74.00	-23.09	peak	100	57	
3	8684.000	5.68	45.53	51.21	74.00	-22.79	peak	100	285	



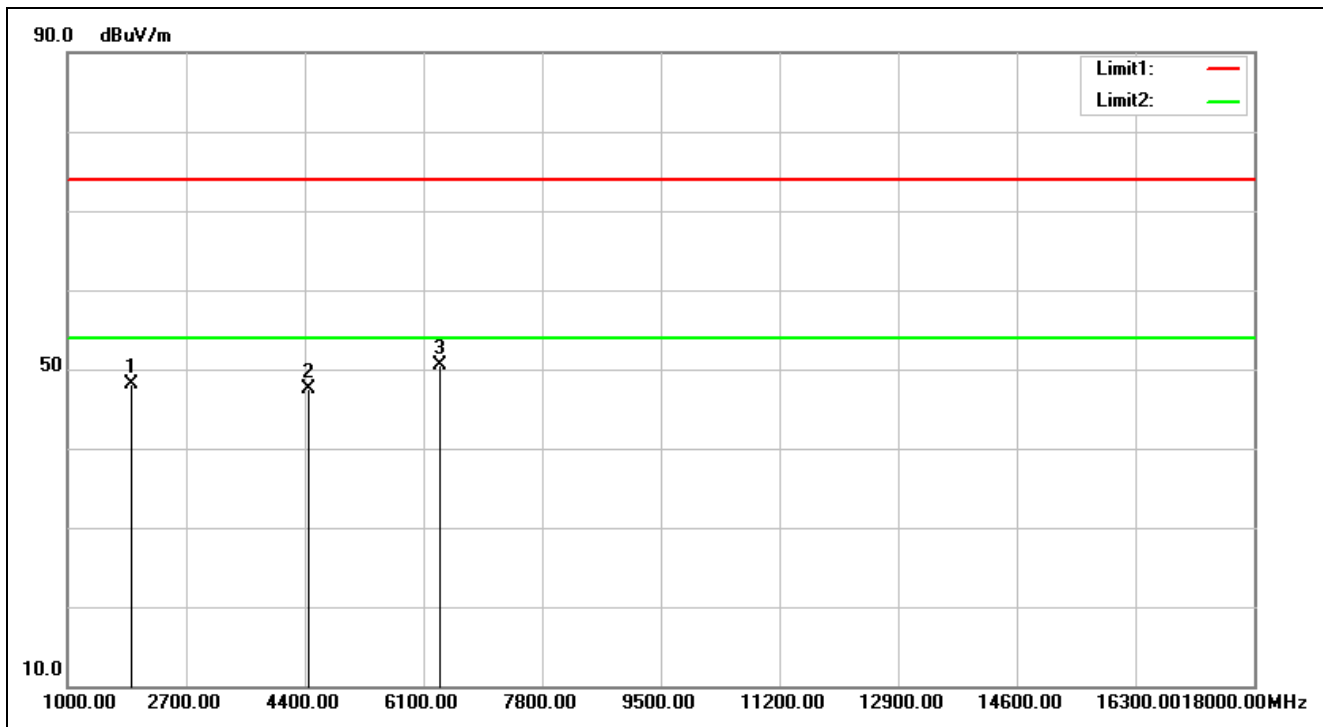
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Test item:	Radiation Emission	Test Time:	2017/5/26 14:52:03
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.32-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1918.000	-9.27	57.23	47.96	74.00	-26.04	peak	100	45	
2	5811.000	1.62	47.92	49.54	74.00	-24.46	peak	100	360	
3	7715.000	5.49	45.39	50.88	74.00	-23.12	peak	100	82	



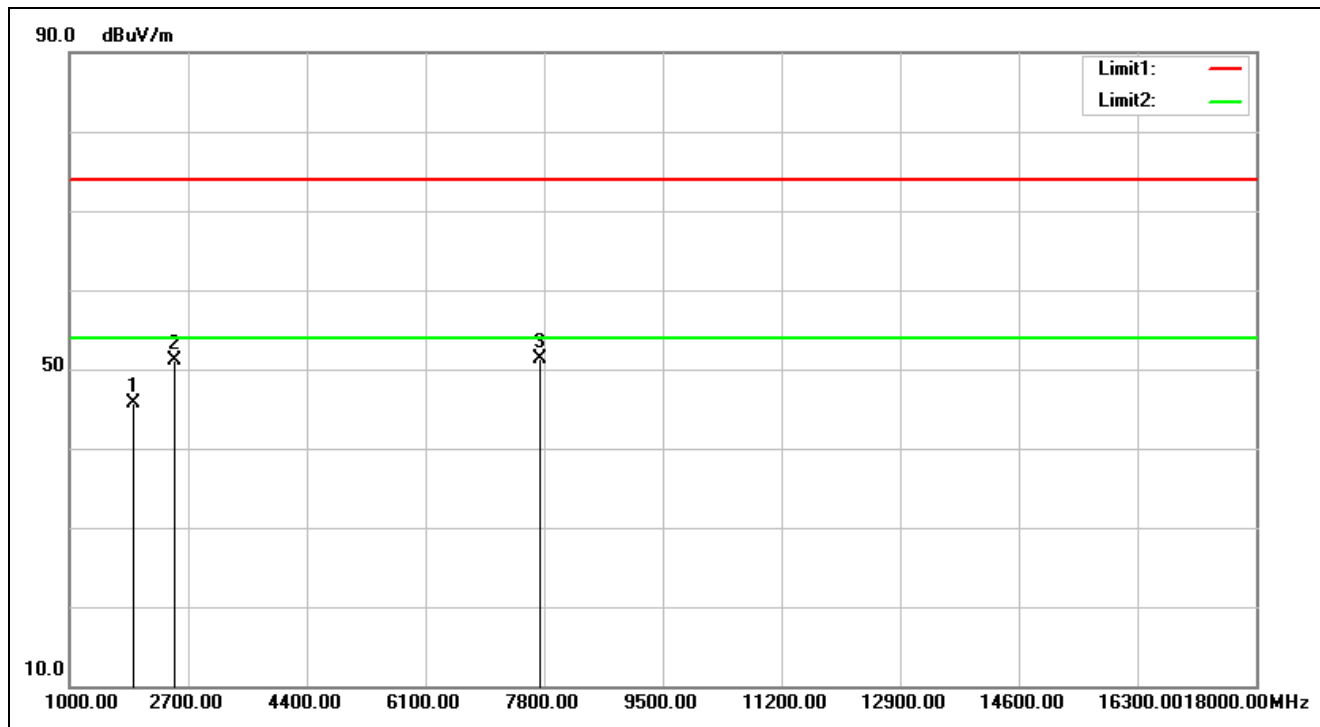
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:53:58
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.64-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	-9.27	55.04	45.77	74.00	-28.23	peak	100	134	
2	4264.000	-4.72	51.36	46.64	74.00	-27.36	peak	100	84	
3	7579.000	5.51	45.99	51.50	74.00	-22.50	peak	100	17	



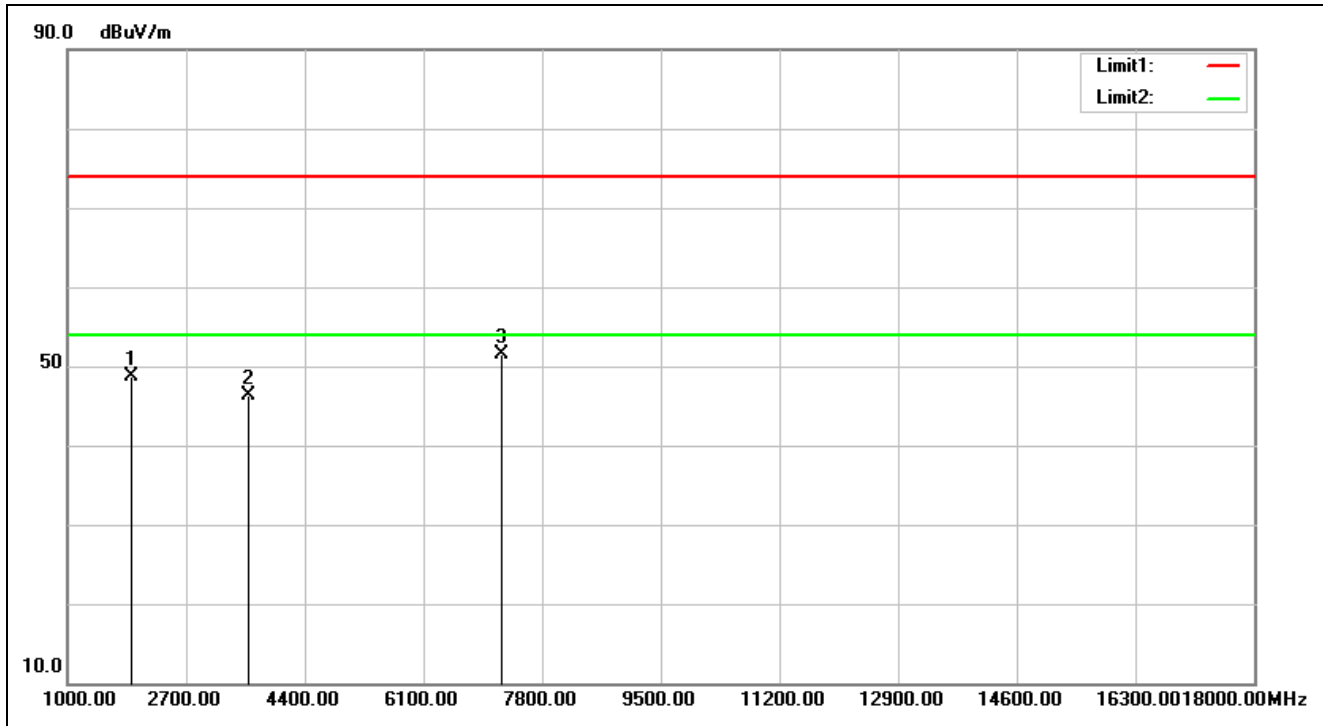
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:55:01
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.64-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	-9.27	57.38	48.11	74.00	-25.89	peak	100	48	
2	4451.000	-4.15	51.57	47.42	74.00	-26.58	peak	100	360	
3	6338.000	4.08	46.46	50.54	74.00	-23.46	peak	100	173	



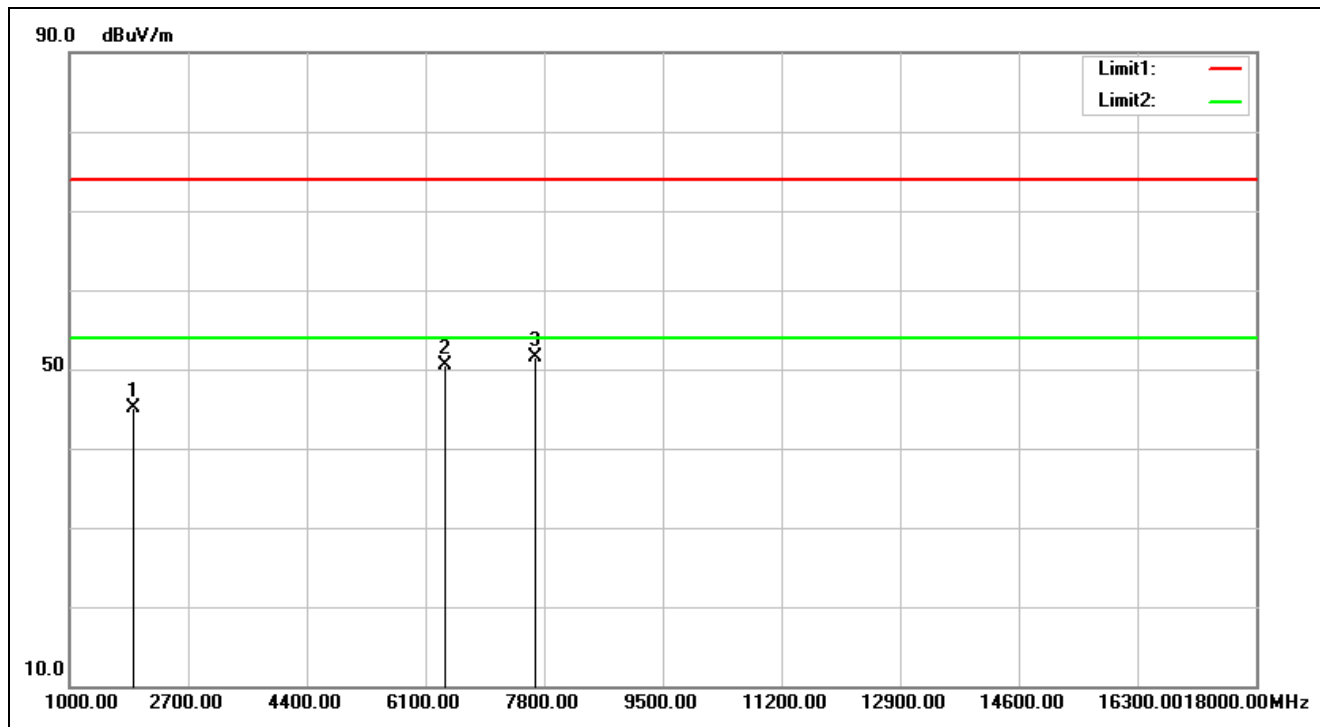
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:56:46
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.96-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	-9.27	54.94	45.67	74.00	-28.33	peak	100	112	
2	2513.000	-7.80	58.86	51.06	74.00	-22.94	peak	100	134	
3	7732.000	5.49	45.77	51.26	74.00	-22.74	peak	100	253	



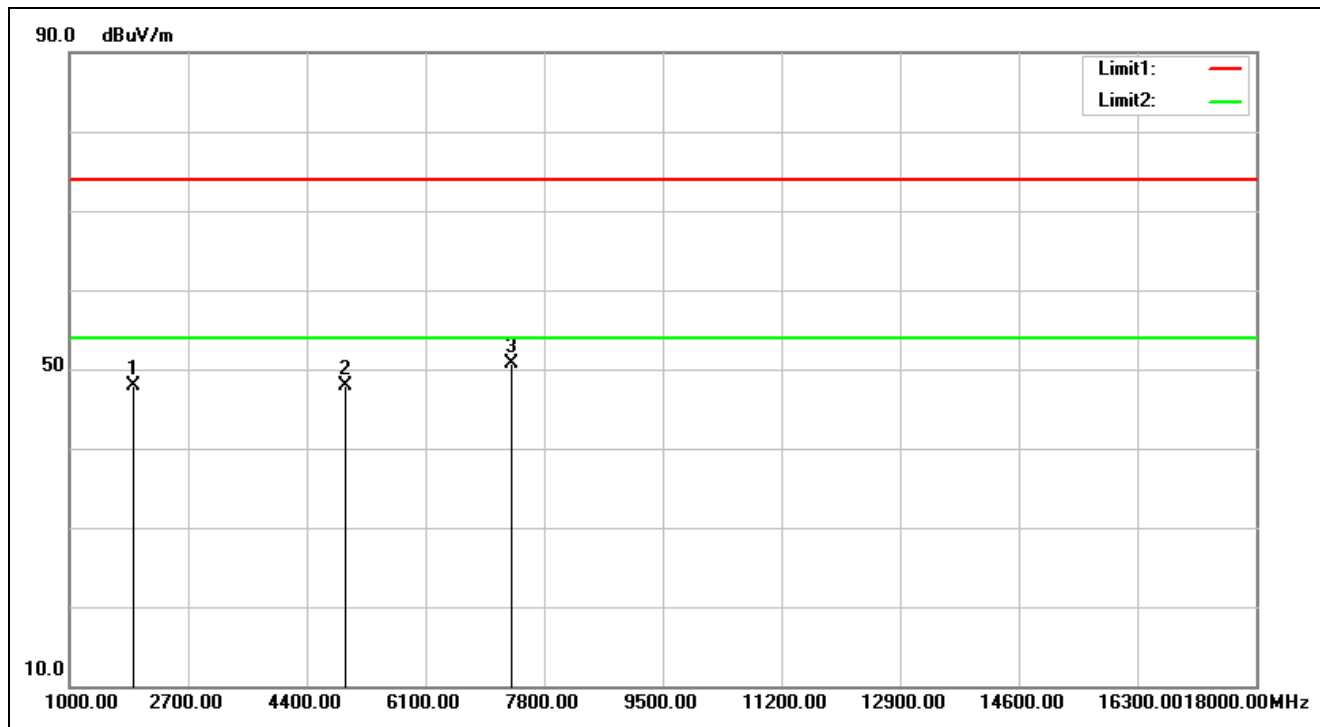
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:57:49
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.96-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	-9.27	57.97	48.70	74.00	-25.30	peak	100	51	
2	3601.000	-6.37	52.62	46.25	74.00	-27.75	peak	100	323	
3	7222.000	4.58	46.84	51.42	74.00	-22.58	peak	100	29	



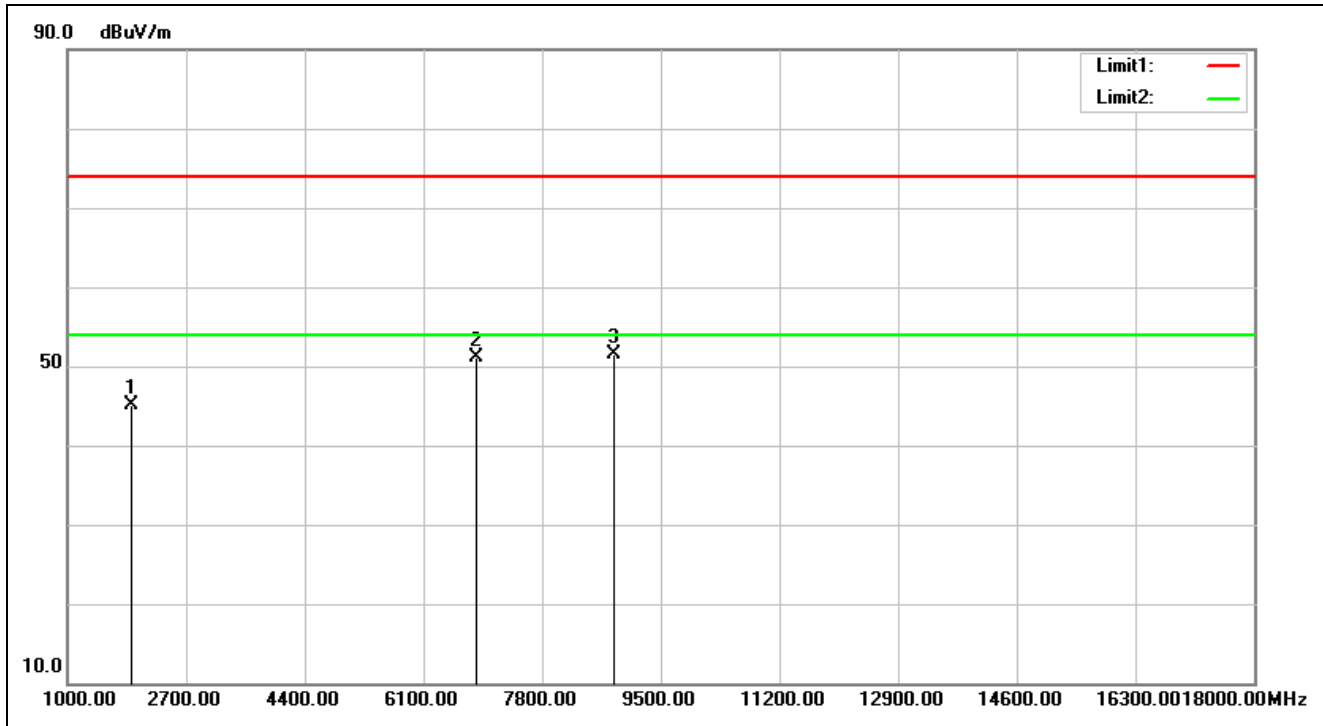
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:46:57
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-60.48-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	-9.27	54.37	45.10	74.00	-28.90	peak	100	131	
2	6372.000	4.18	46.25	50.43	74.00	-23.57	peak	100	178	
3	7681.000	5.50	46.09	51.59	74.00	-22.41	peak	100	95	



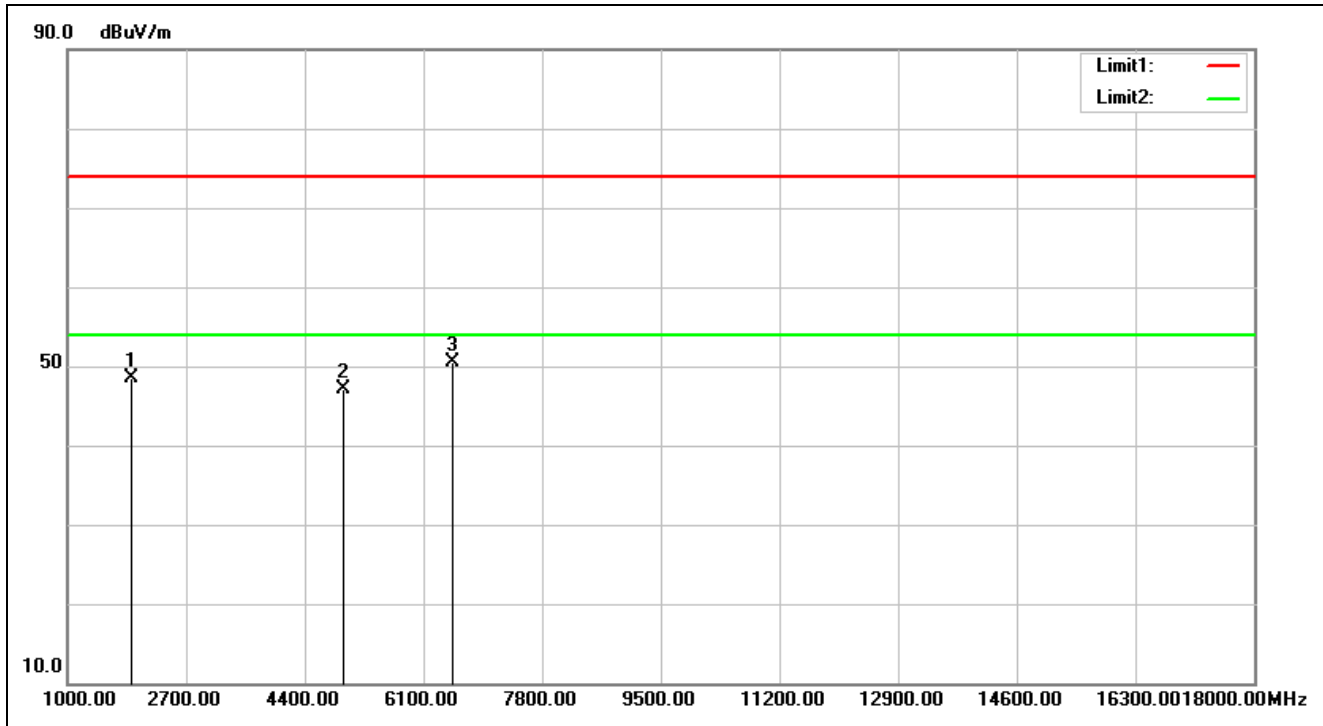
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:47:59
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-60.48-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	-9.27	57.24	47.97	74.00	-26.03	peak	100	45	
2	4961.000	-3.50	51.41	47.91	74.00	-26.09	peak	100	65	
3	7341.000	4.98	45.80	50.78	74.00	-23.22	peak	100	190	



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:59:22
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-62.64-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	-9.27	54.40	45.13	74.00	-28.87	peak	100	135	
2	6865.000	4.03	47.06	51.09	74.00	-22.91	peak	100	273	
3	8837.000	5.82	45.64	51.46	74.00	-22.54	peak	100	288	



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 15:00:25
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-62.64-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	-9.27	57.70	48.43	74.00	-25.57	peak	100	54	
2	4961.000	-3.50	50.64	47.14	74.00	-26.86	peak	100	95	
3	6508.000	4.59	45.86	50.45	74.00	-23.55	peak	100	43	

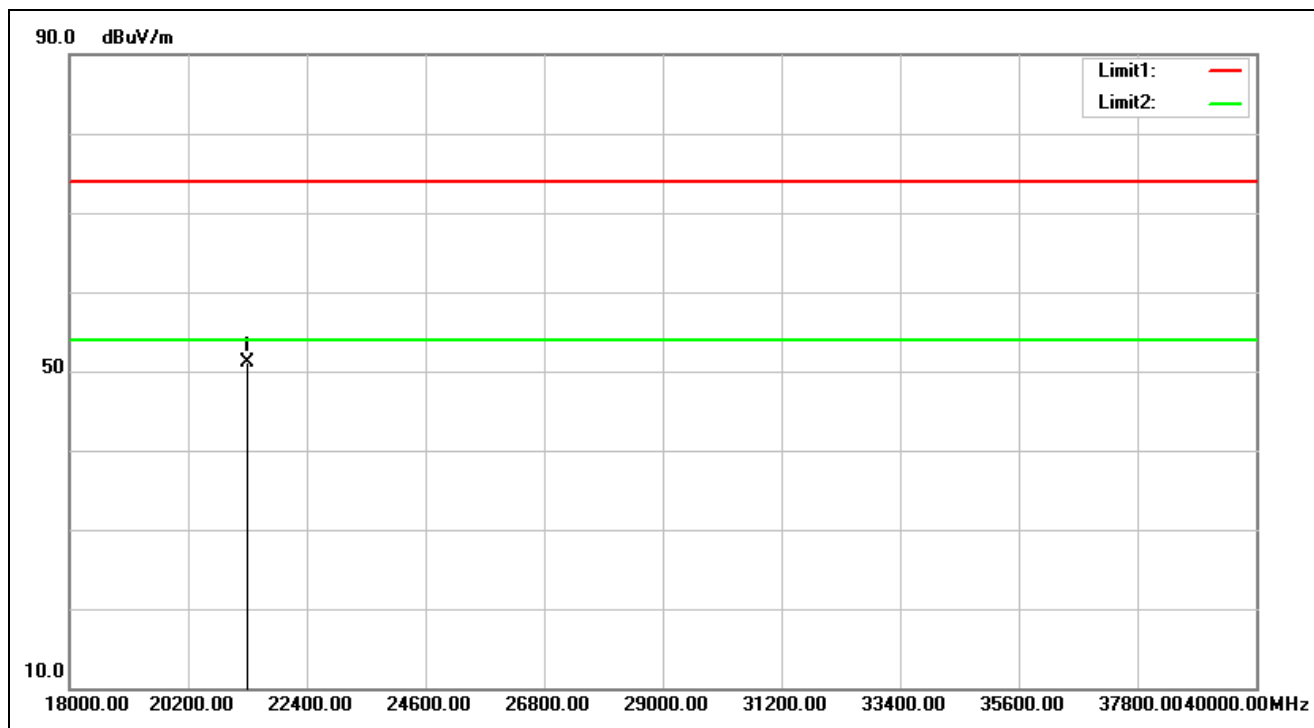
Spurious Emissions, TX Mode, 18-40G



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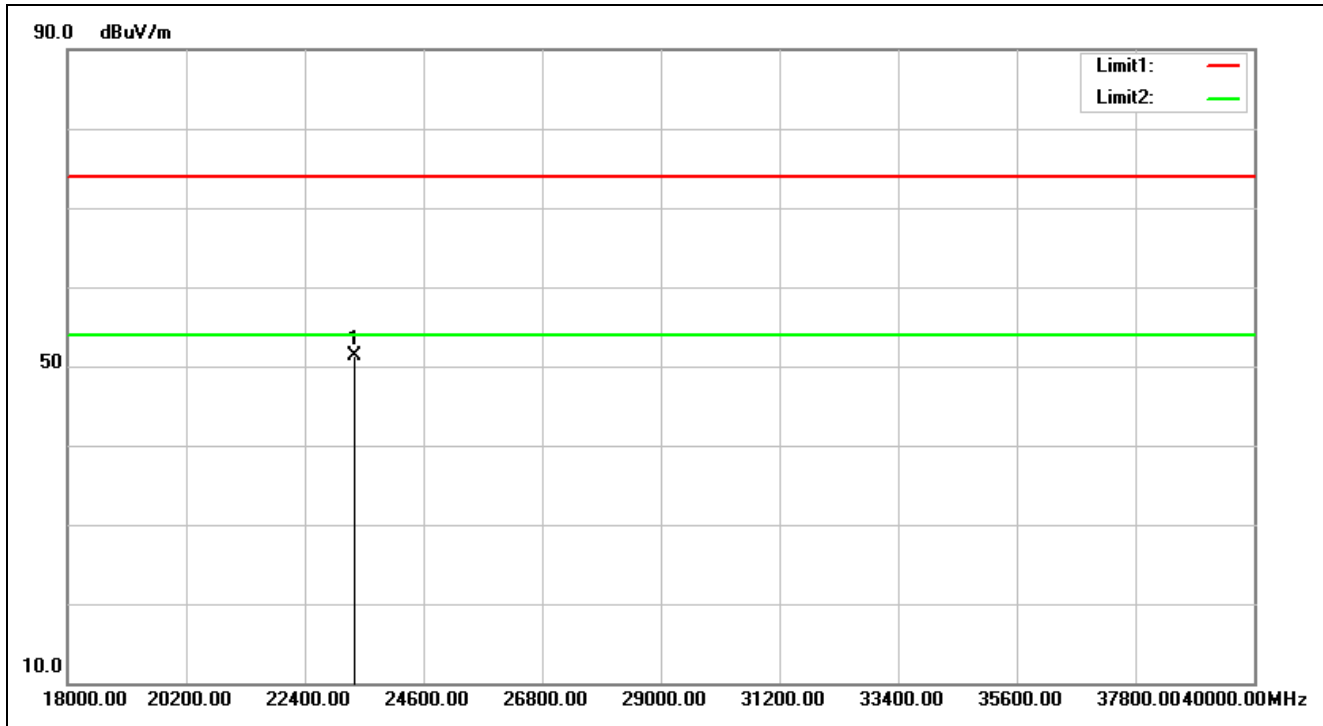
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:19:53
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.16-TX		
Remark:			

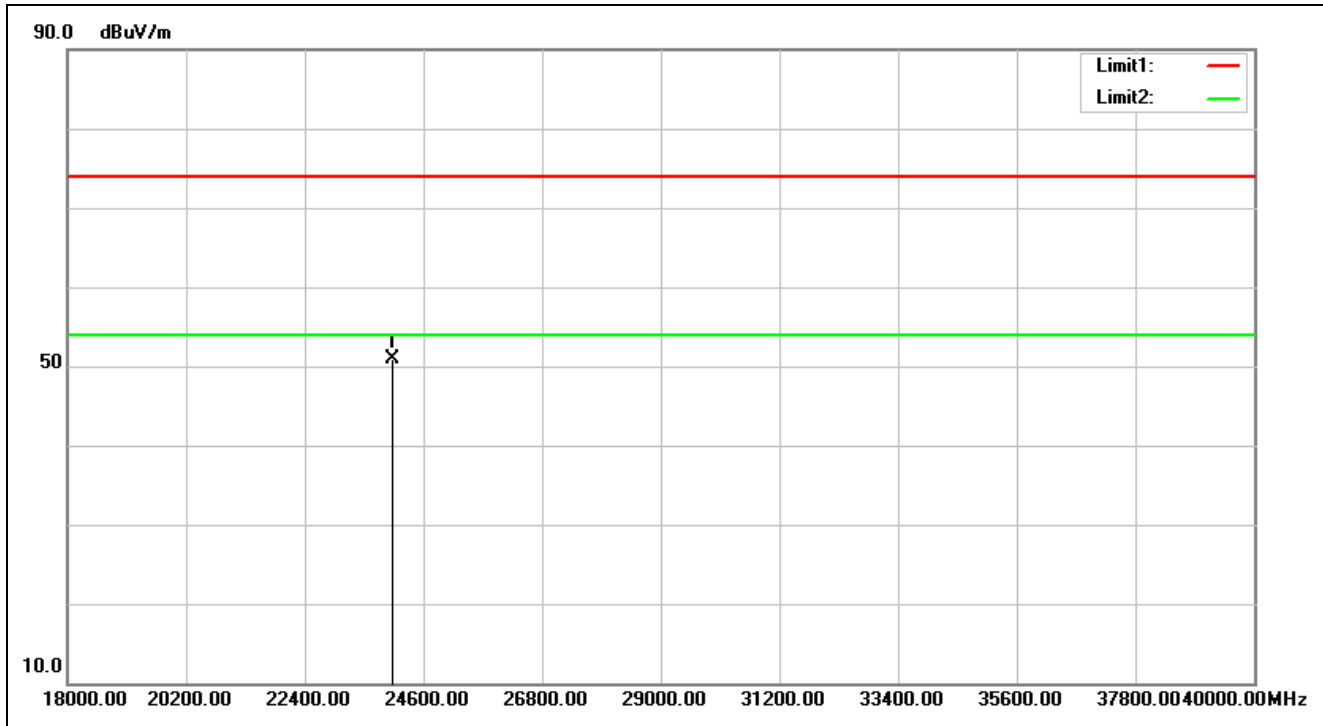
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21300.000	32.36	18.80	51.16	74.00	-22.84	peak		0	

Spurious Emissions, TX Mode, 30M-1G



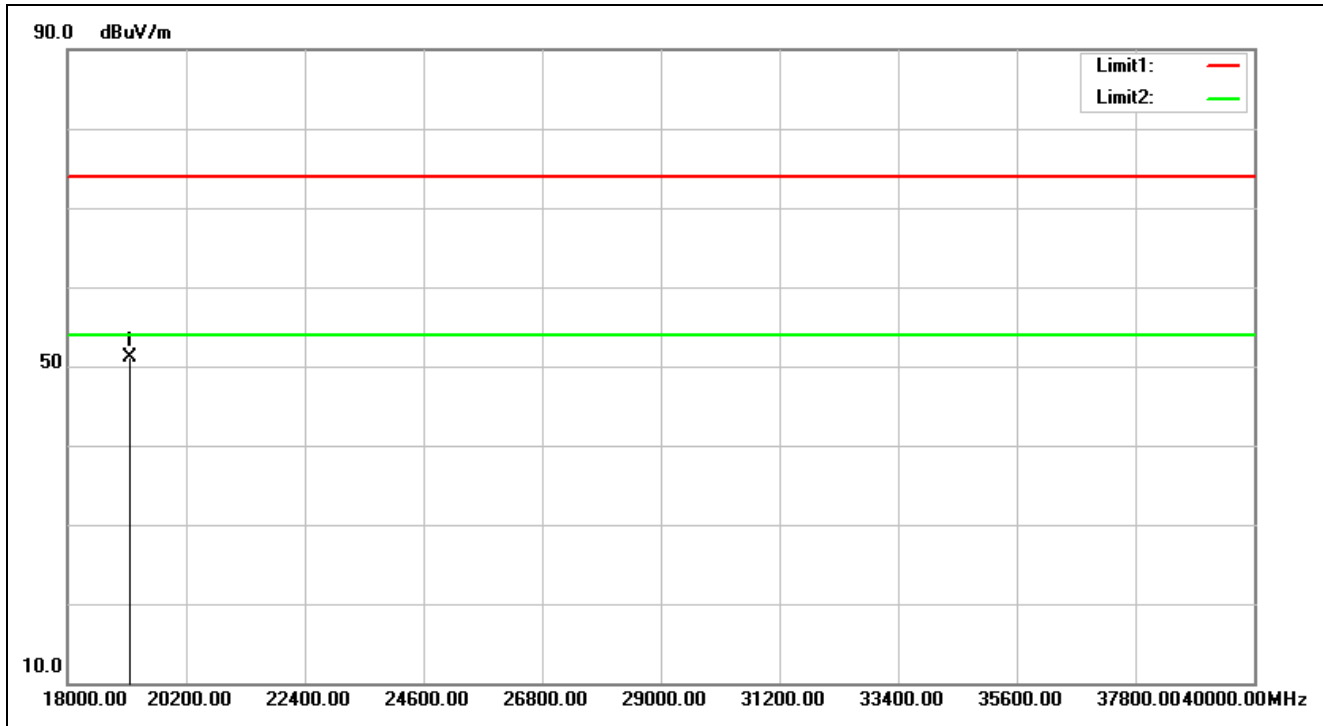
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:20:04
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.16-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23324.000	32.72	18.52	51.24	74.00	-22.76	peak			



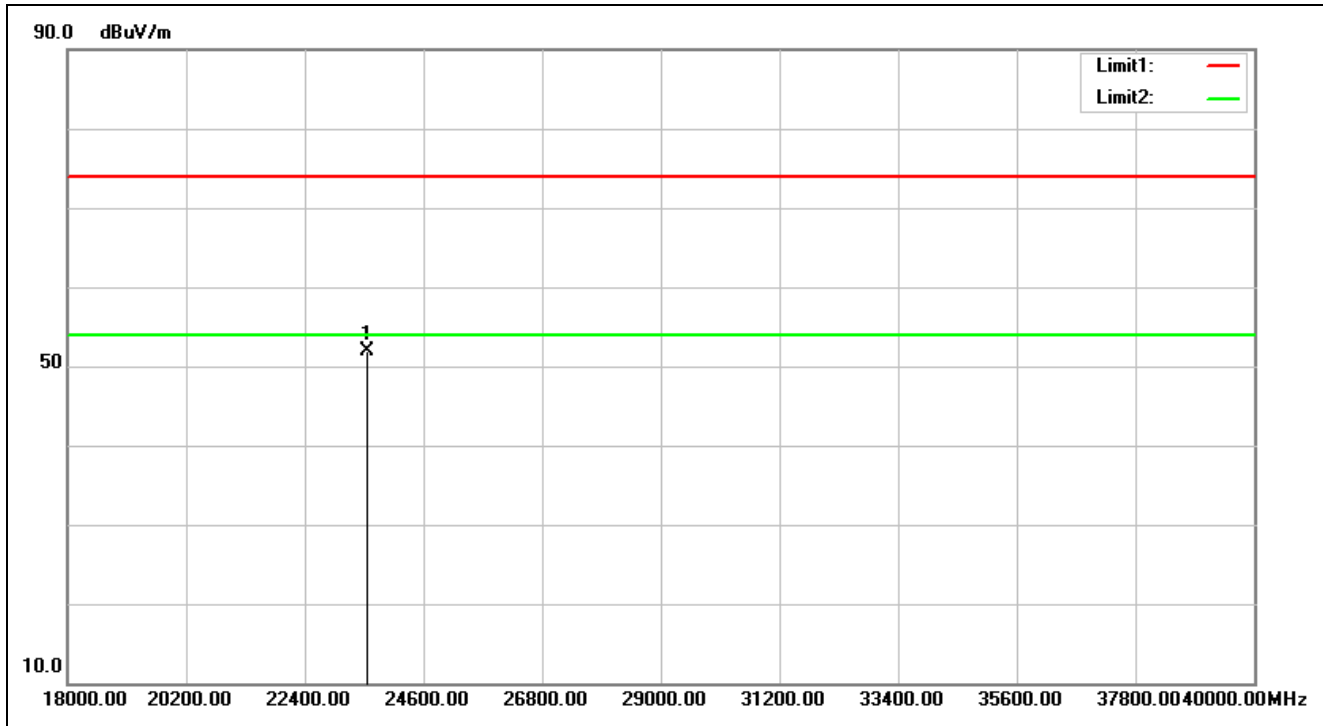
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:20:19
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.48-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24028.000	31.94	18.99	50.93	74.00	-23.07	peak			



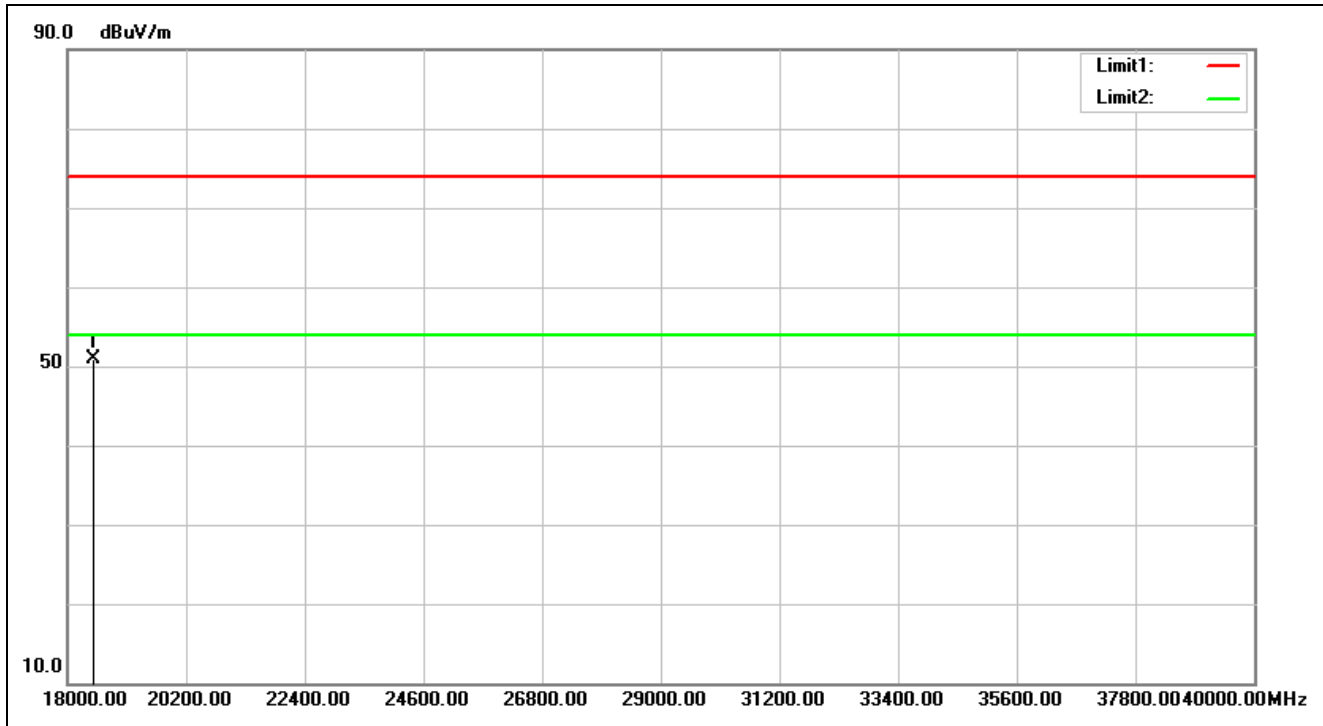
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:20:27
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.48-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19144.000	30.71	20.48	51.19	74.00	-22.81	peak			



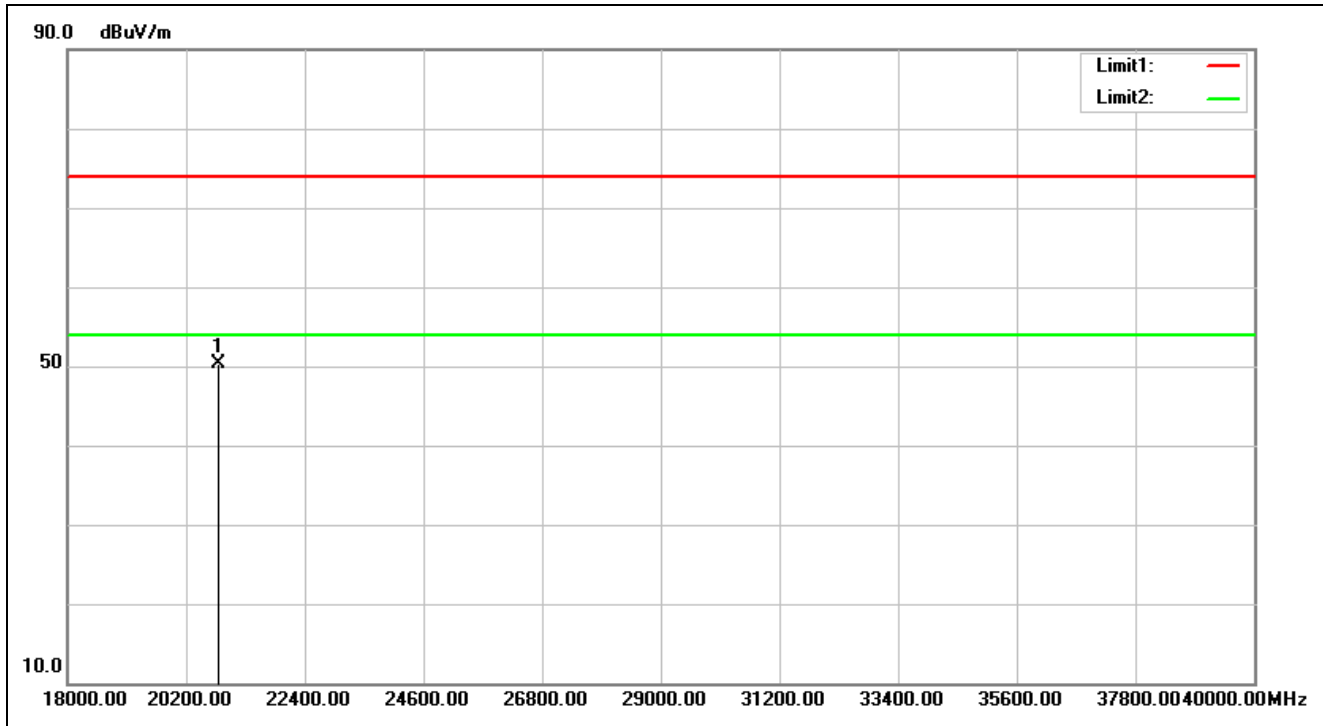
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:20:43
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.80-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23544.000	32.74	19.07	51.81	74.00	-22.19	peak			



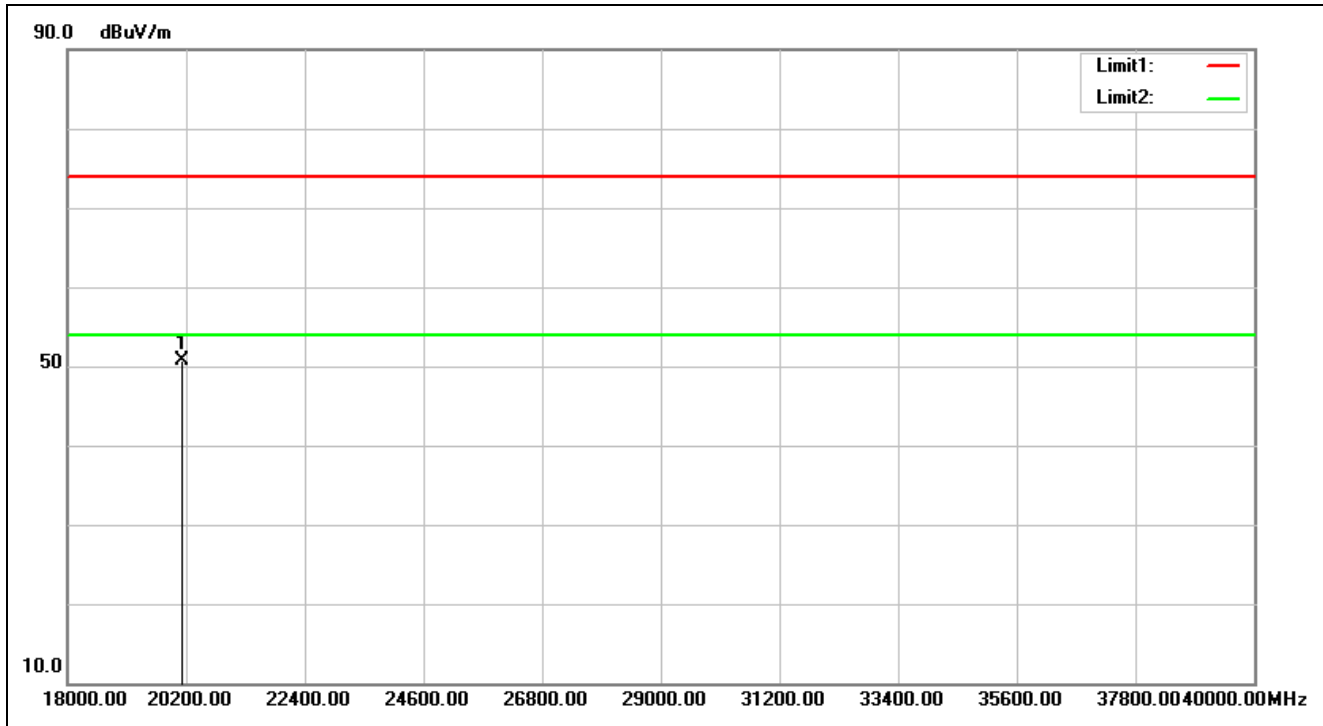
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:20:51
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.80-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18484.000	29.35	21.60	50.95	74.00	-23.05	peak			



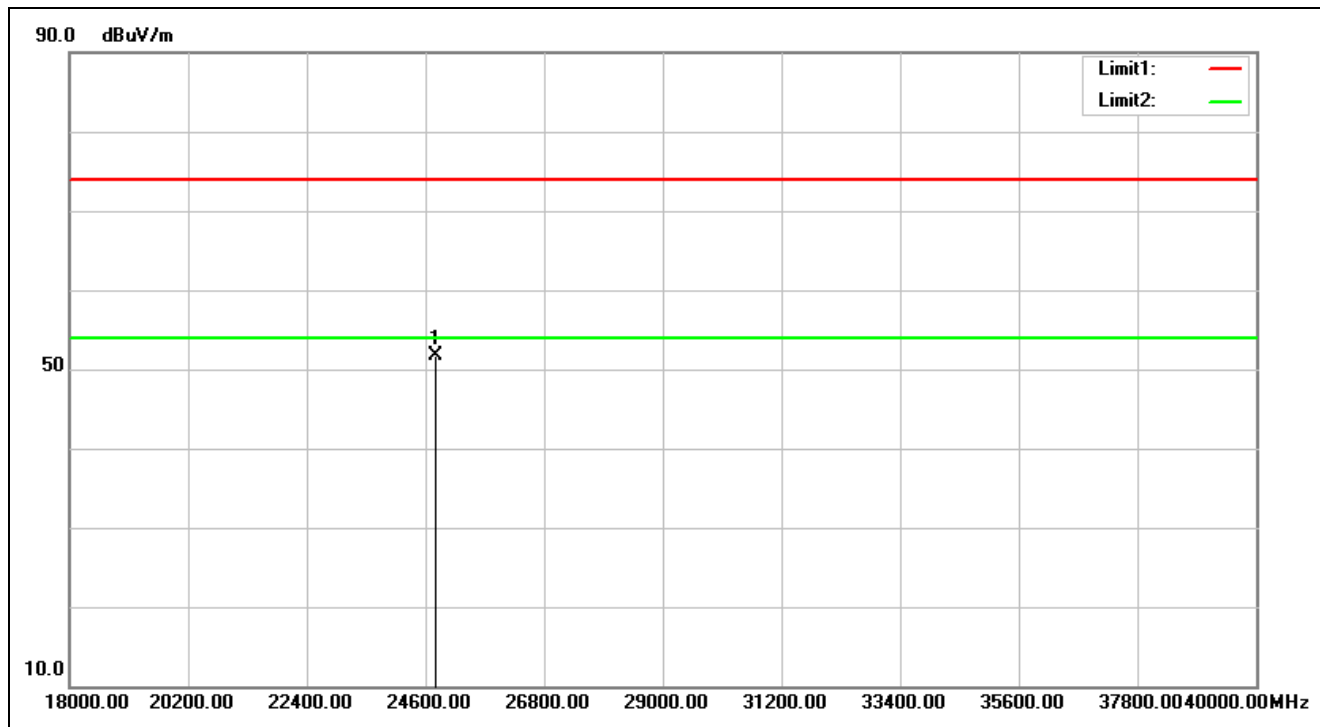
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:21:47
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.32-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20794.000	31.85	18.45	50.30	74.00	-23.70	peak			



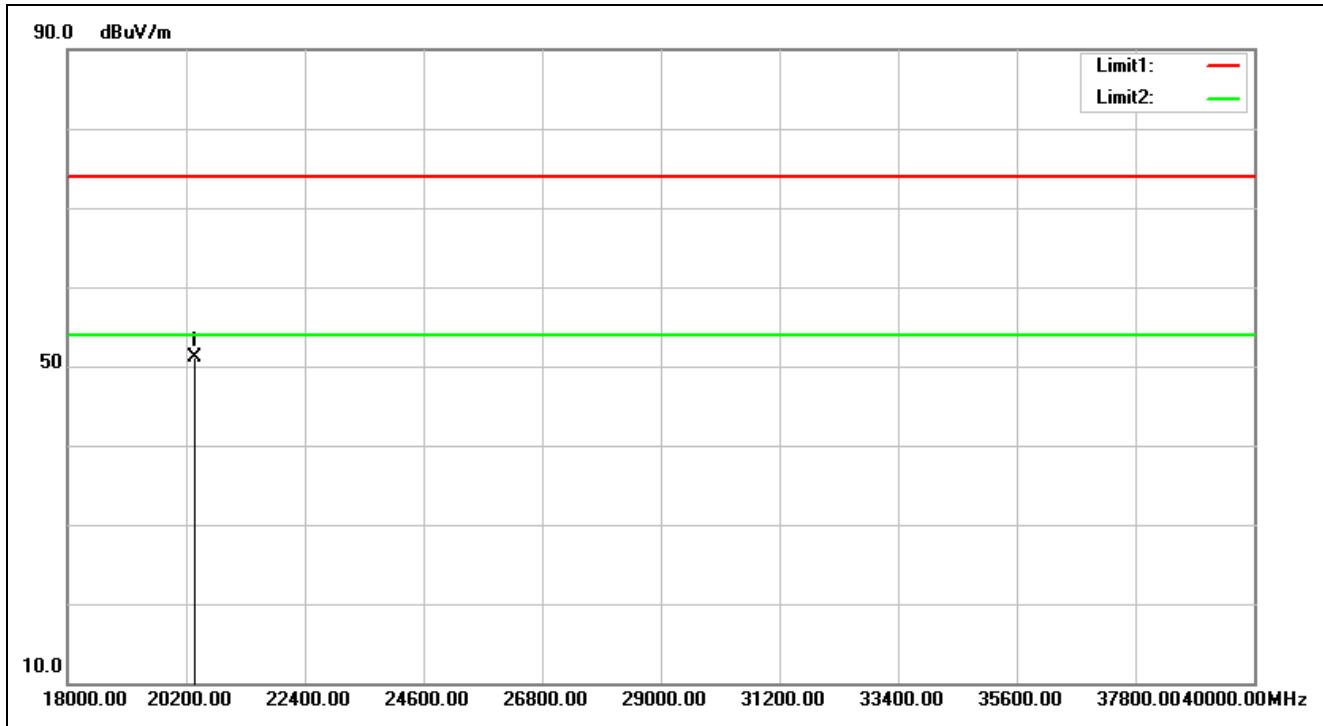
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:21:55
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.32-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20112.000	31.53	19.13	50.66	74.00	-23.34	peak			



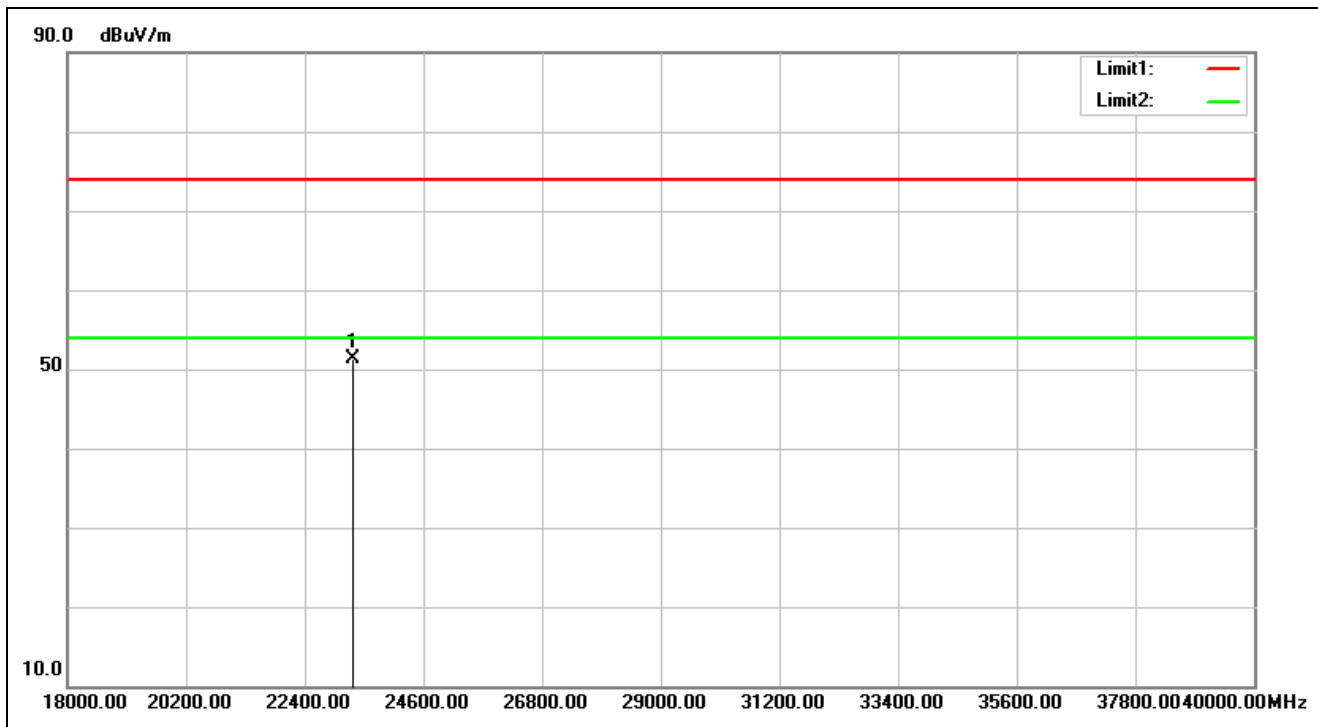
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:22:06
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.64-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24798.000	33.56	18.18	51.74	74.00	-22.26	peak			



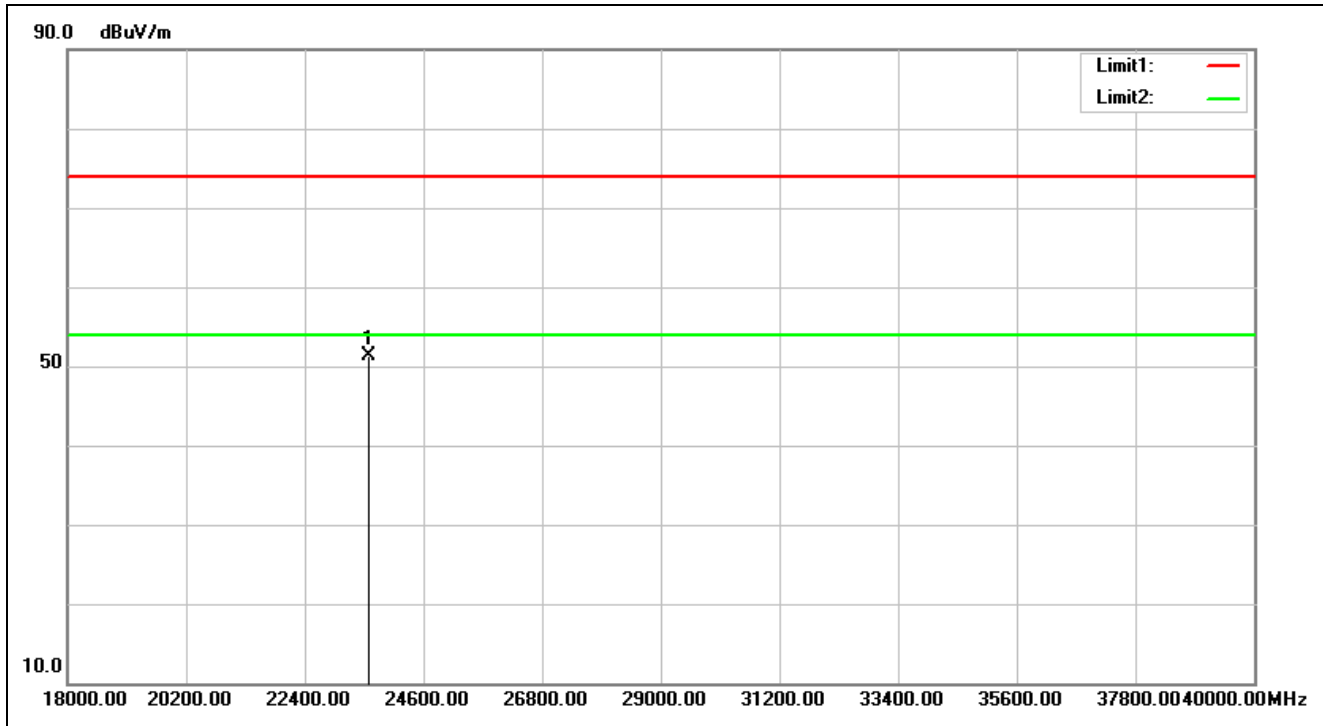
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:22:20
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.64-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20354.000	31.66	19.46	51.12	74.00	-22.88	peak			



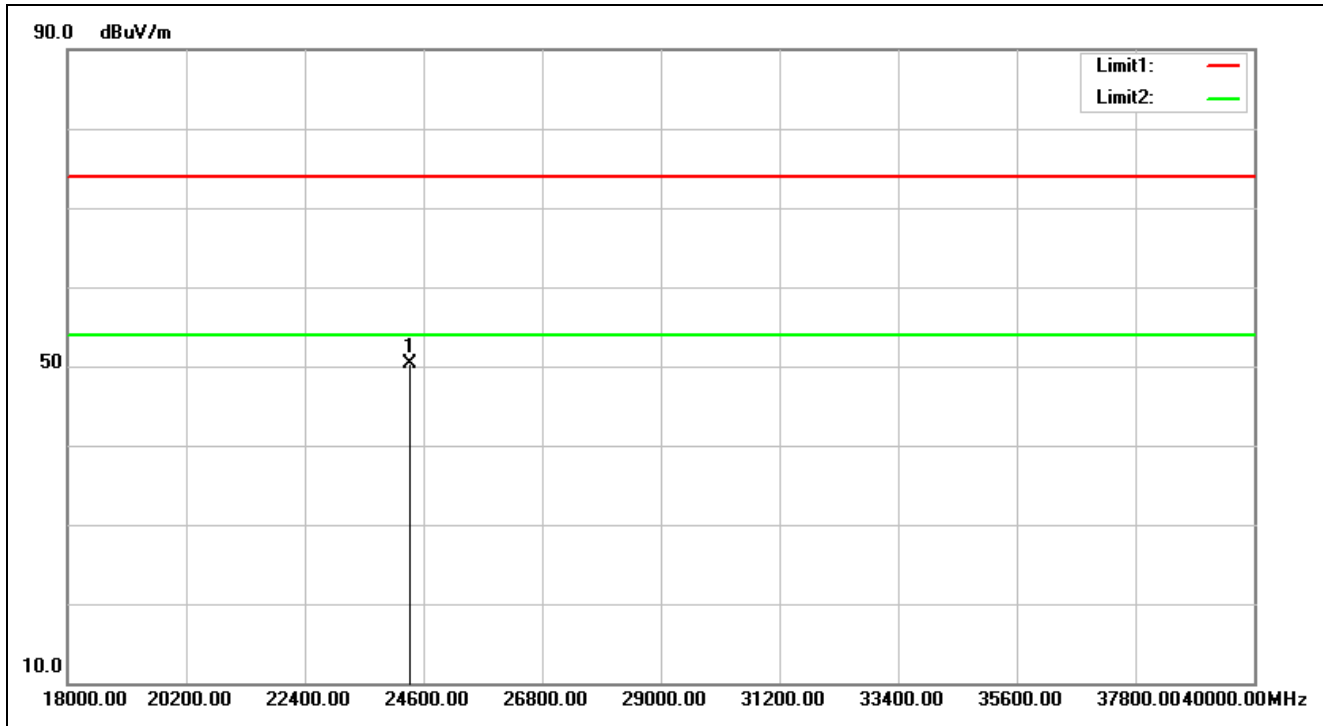
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:22:55
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.96-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23302.000	32.70	18.53	51.23	74.00	-22.77	peak			



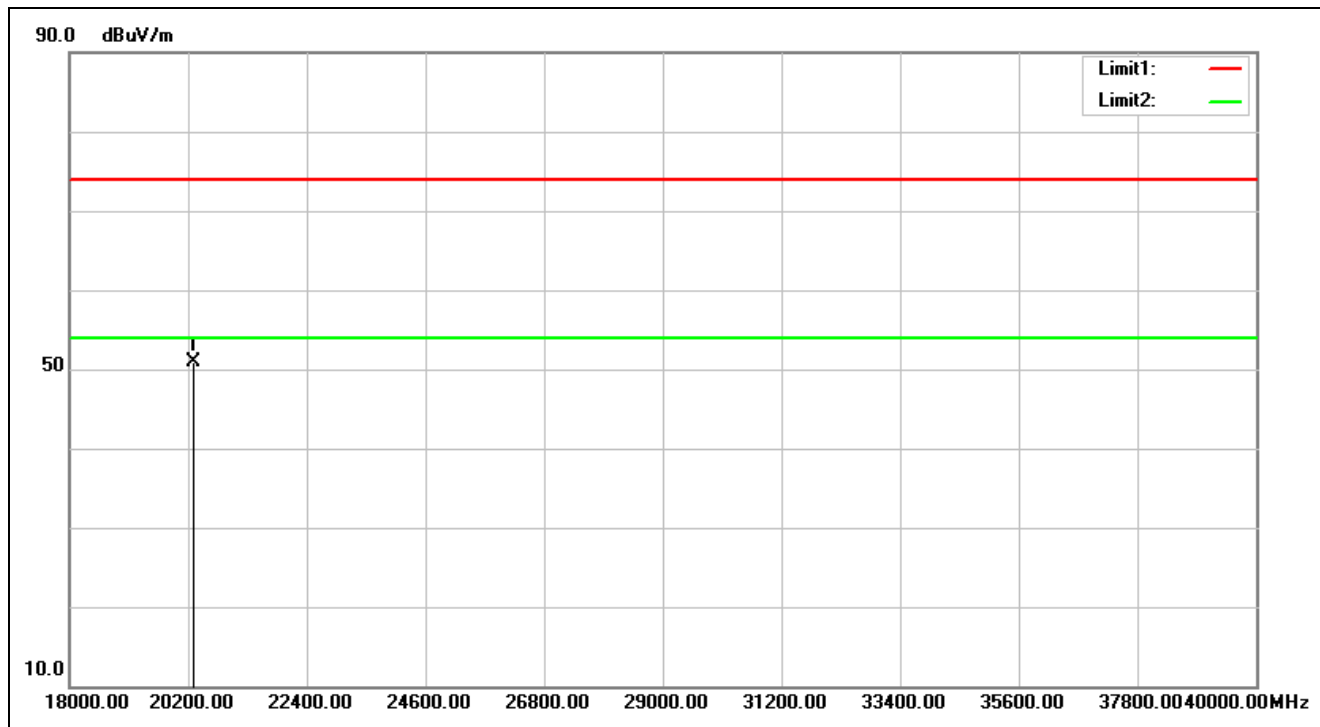
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:23:04
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.96-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23588.000	32.65	18.66	51.31	74.00	-22.69	peak			



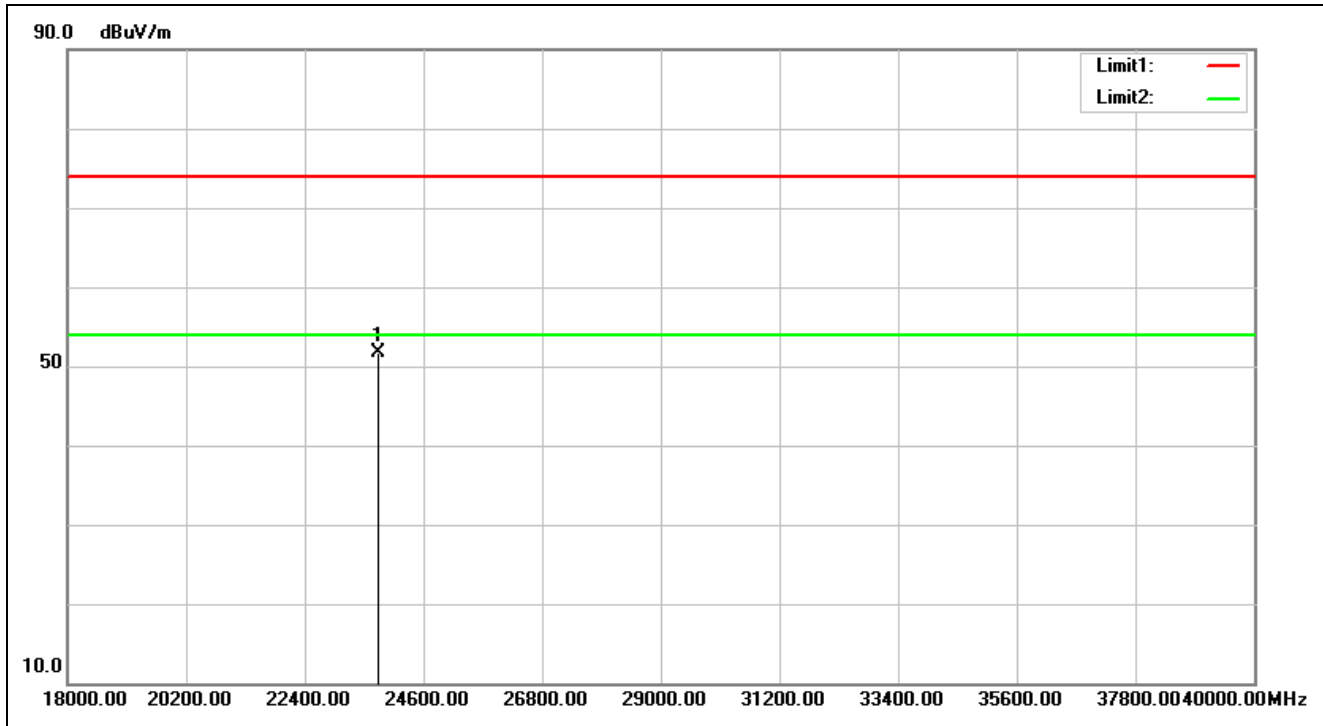
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:21:12
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-60.48-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24358.000	32.60	17.78	50.38	74.00	-23.62	peak			



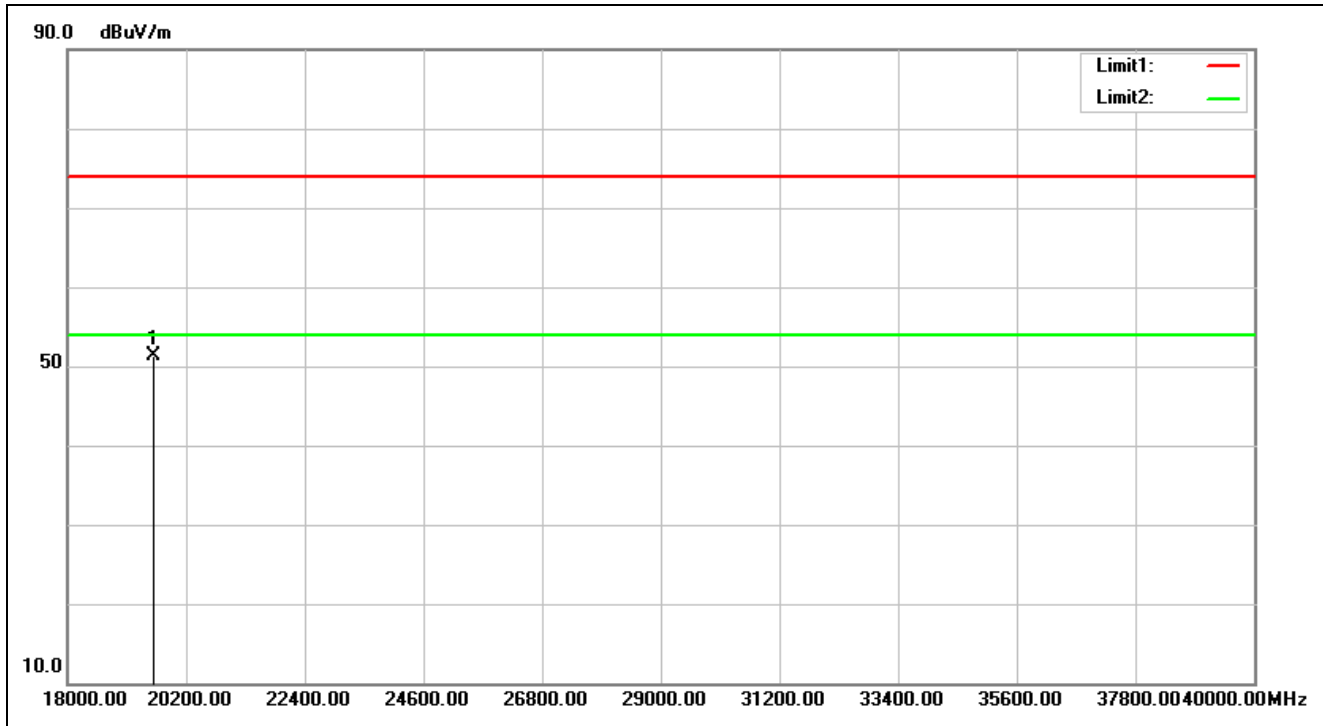
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:21:21
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-60.48-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20310.000	31.63	19.30	50.93	74.00	-23.07	peak			



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:23:21
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-62.64-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23764.000	32.32	19.45	51.77	74.00	-22.23	peak			



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:23:33
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-62.64-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19606.000	31.27	20.00	51.27	74.00	-22.73	peak			

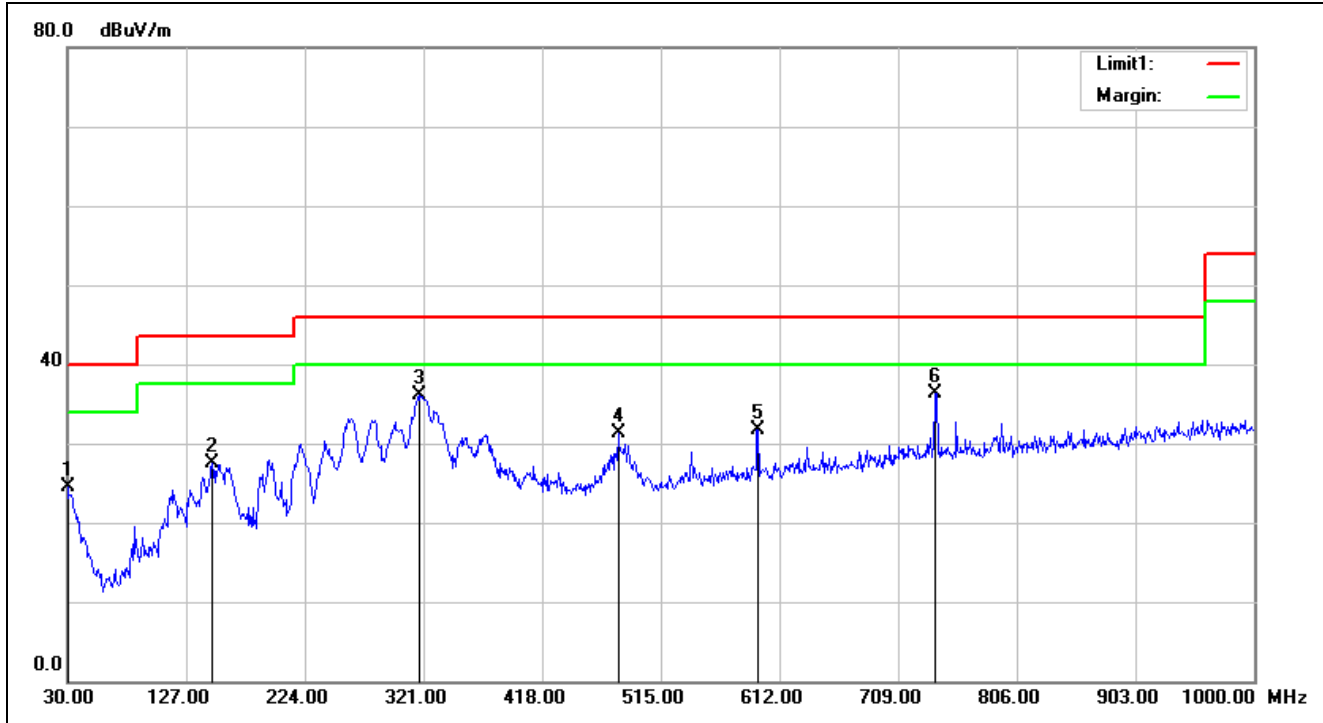
Spurious Emissions, TX Mode, 30M-1G



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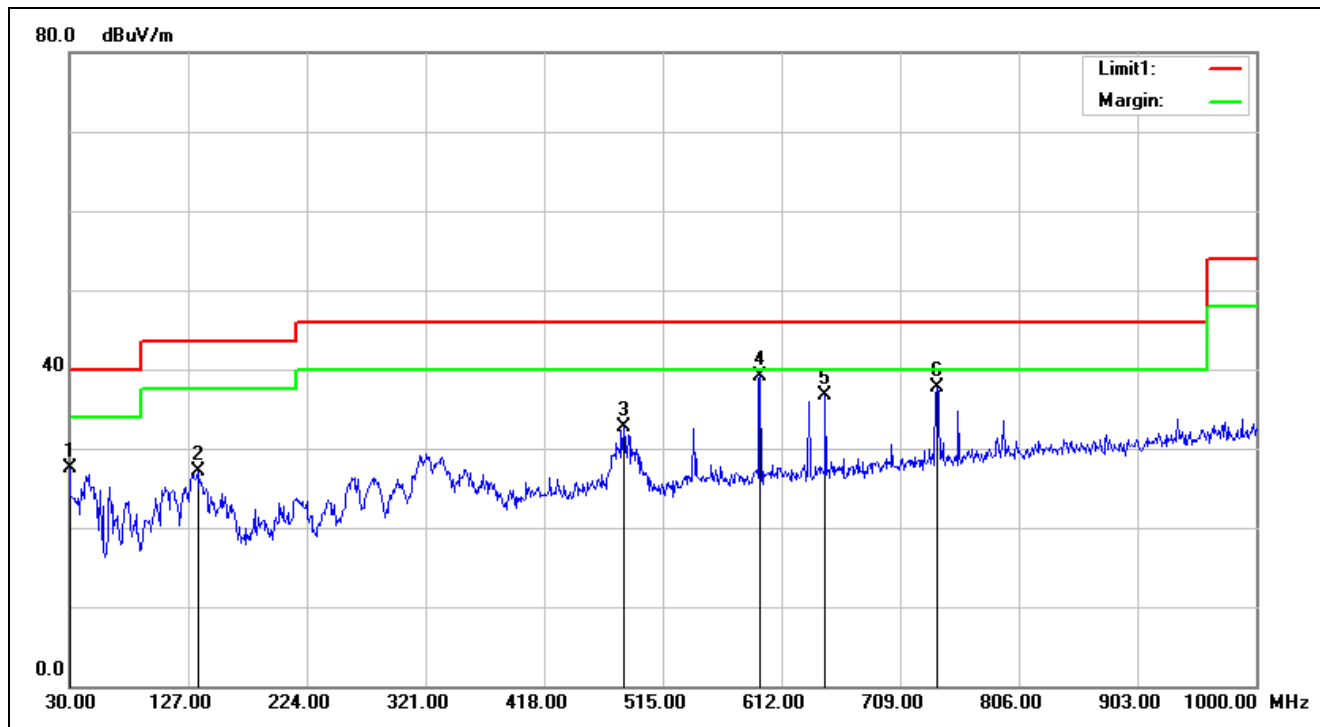
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Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 14:51:06
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-60.48-TX		
Remark:			

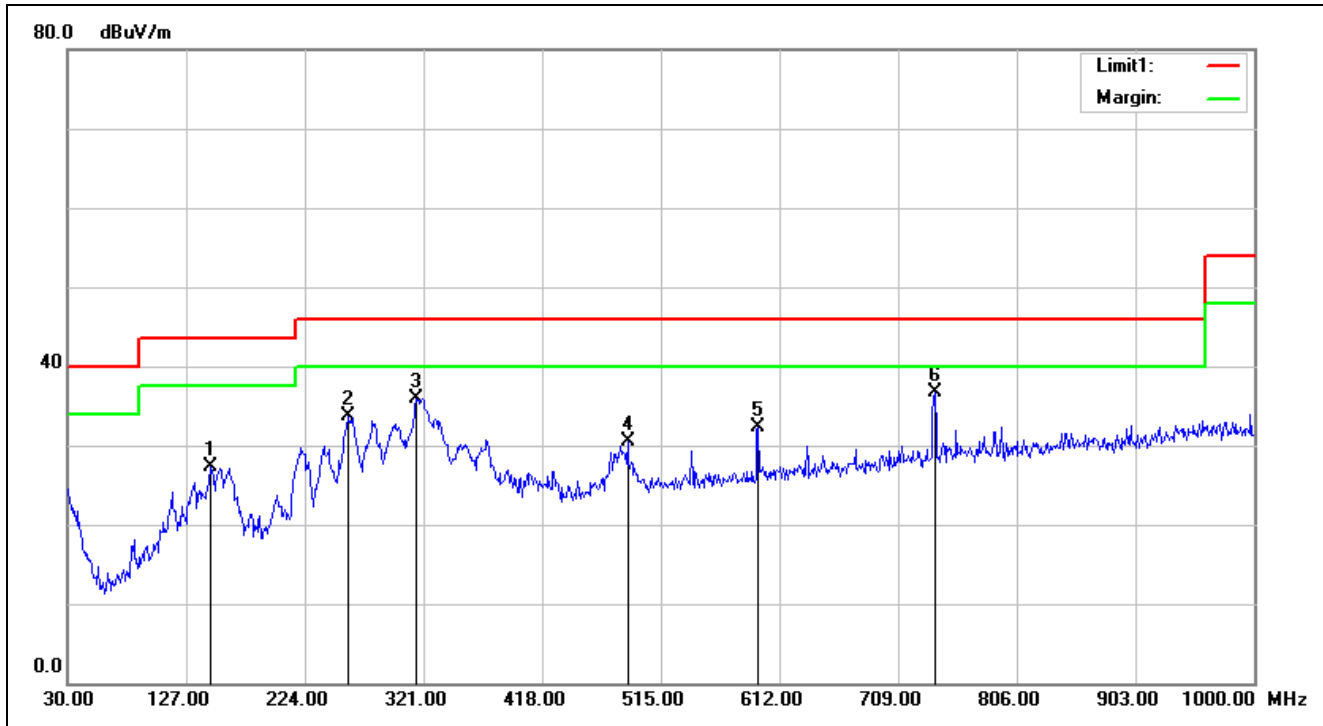
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.07	24.67	24.60	40.00	-15.40	QP	100	322	
2	148.3400	-7.36	34.77	27.41	43.50	-16.09	QP	100	61	
3	317.1200	-4.13	40.25	36.12	46.00	-9.88	QP	100	285	
4	480.0800	-1.62	33.01	31.39	46.00	-14.61	QP	100	33	
5	594.5400	-0.08	31.86	31.78	46.00	-14.22	QP	100	328	
6	739.0700	2.07	34.29	36.36	46.00	-9.64	QP	100	219	

Spurious Emissions, TX Mode, 30M-1G



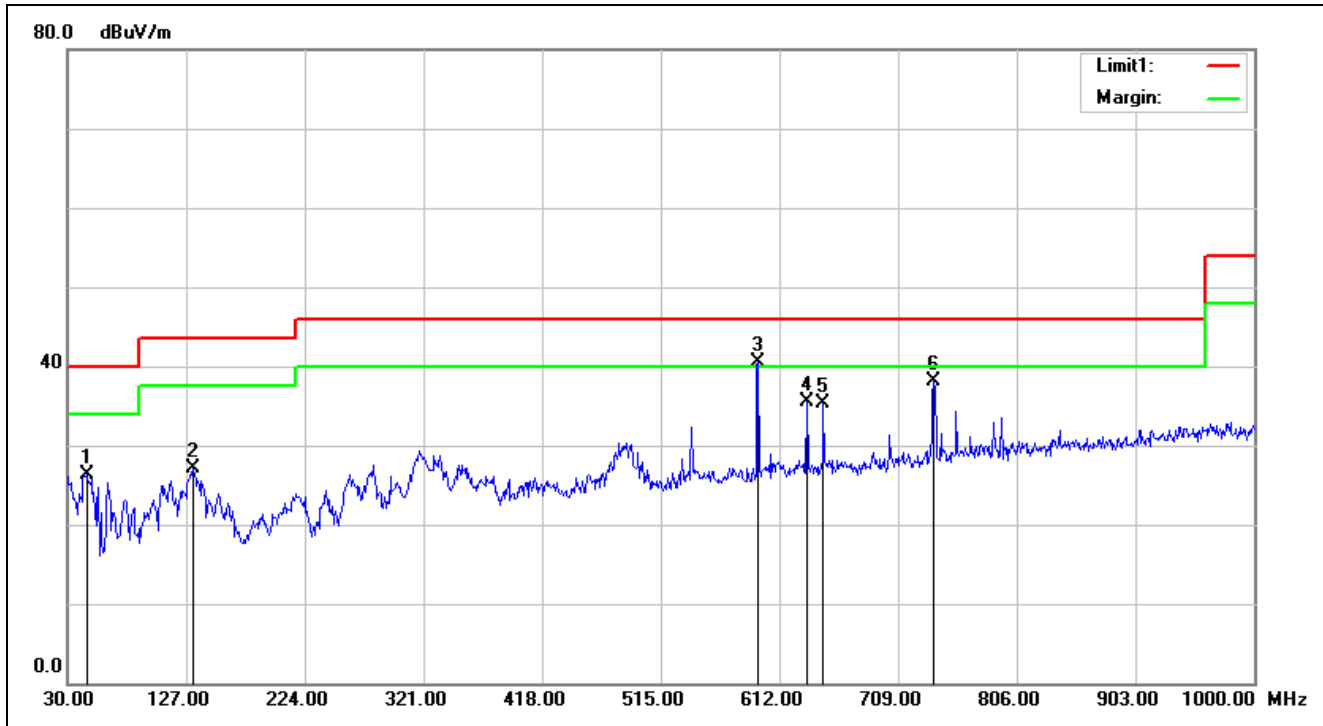
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 14:52:09
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-60.48-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	27.55	27.48	40.00	-12.52	QP	100	360	
2	134.7600	-6.98	34.00	27.02	43.50	-16.48	QP	100	330	
3	482.9900	-1.59	34.37	32.78	46.00	-13.22	QP	100	99	
4	594.5400	-0.08	39.11	39.03	46.00	-6.97	QP	100	99	
5	647.8900	0.51	36.17	36.68	46.00	-9.32	QP	100	309	
6	739.0700	2.07	35.59	37.66	46.00	-8.34	QP	100	243	



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 14:53:58
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-62.64-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	146.4000	-7.27	34.52	27.25	43.50	-16.25	peak	100	83	
2	259.8900	-4.89	38.67	33.78	46.00	-12.22	peak	100	112	
3	315.1800	-4.16	40.10	35.94	46.00	-10.06	peak	100	282	
4	487.8400	-1.53	31.95	30.42	46.00	-15.58	peak	100	22	
5	594.5400	-0.08	32.38	32.30	46.00	-13.70	peak	100	320	
6	739.0700	2.07	34.67	36.74	46.00	-9.26	peak	100	232	



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 14:55:01
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-62.64-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	45.5200	-8.93	35.26	26.33	40.00	-13.67	QP	100	53	
2	132.8200	-6.97	34.12	27.15	43.50	-16.35	QP	100	3	
3	594.5400	-0.08	40.57	40.49	46.00	-5.51	QP	100	251	
4	634.3100	0.37	35.16	35.53	46.00	-10.47	QP	100	320	
5	647.8900	0.51	34.70	35.21	46.00	-10.79	QP	100	320	
6	738.1000	2.04	35.99	38.03	46.00	-7.97	QP	100	243	

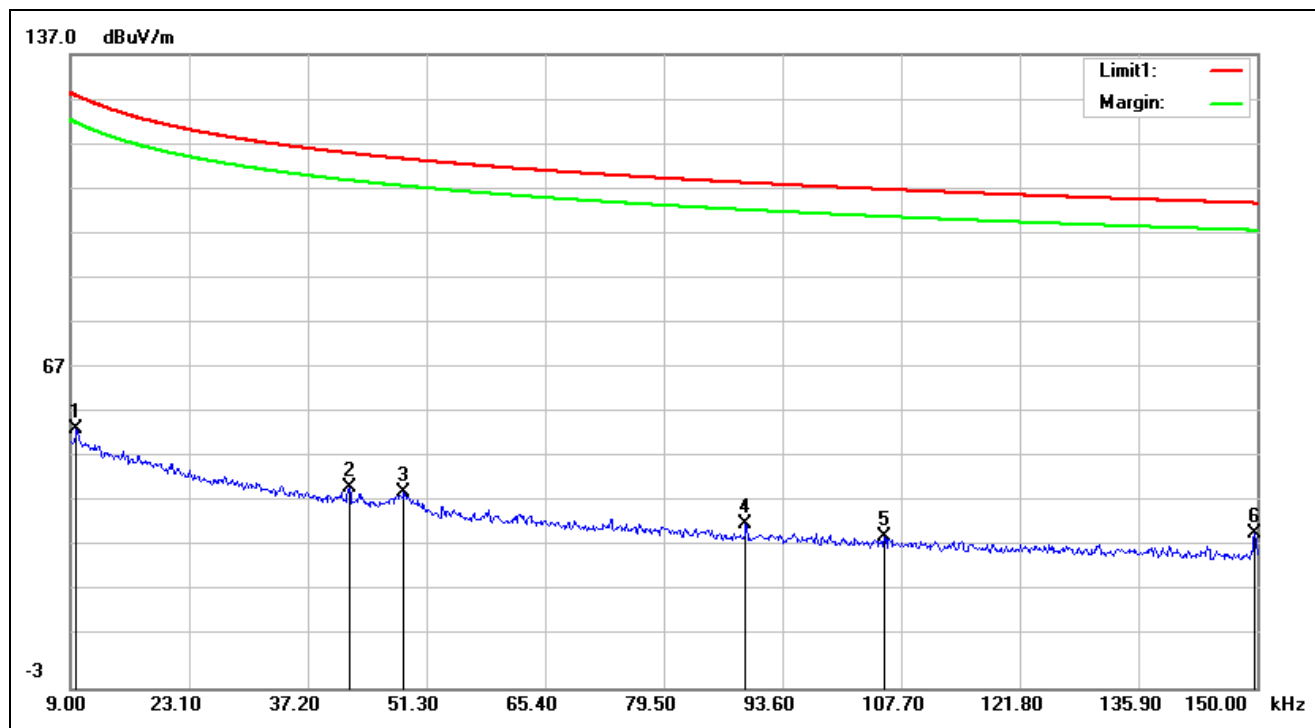
Spurious Emissions, RX Mode, 9k-150k



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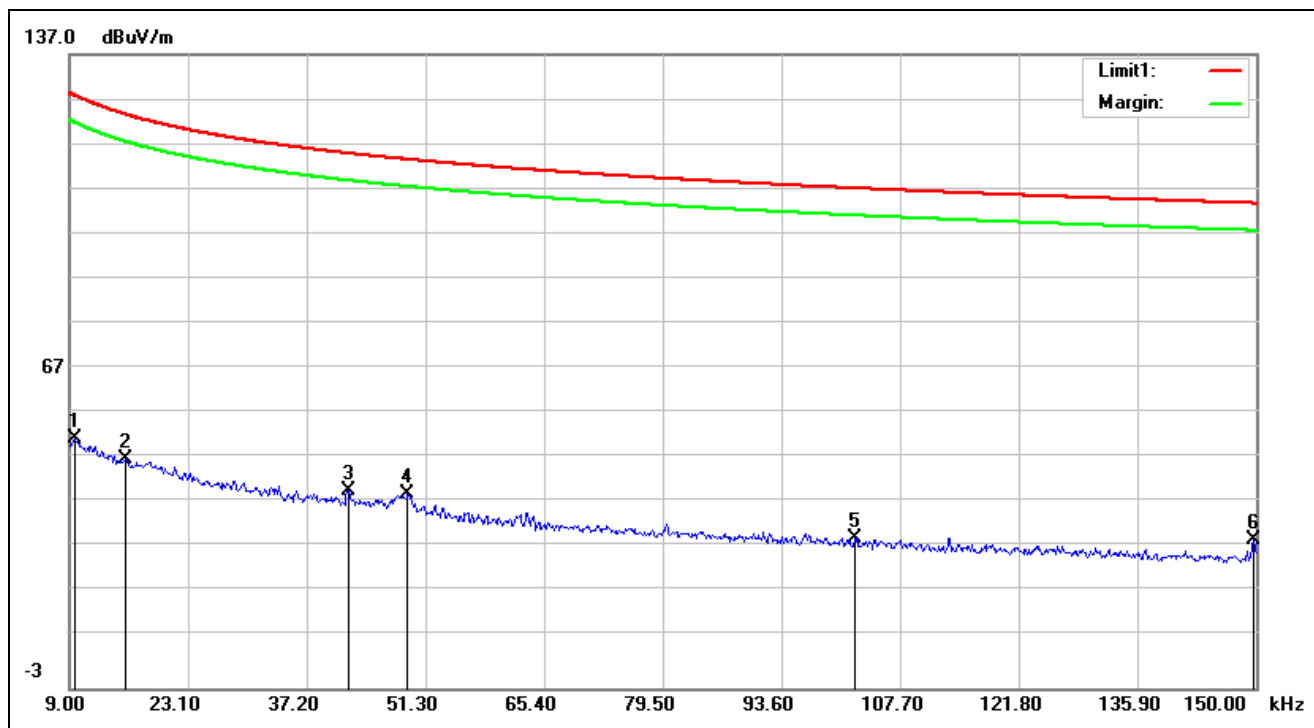
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC 15.225_9k-30M_3m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 14:16:50
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-60.48-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	20.09	34.02	54.11	127.87	-73.76	QP	100	355	
2	0.0421	19.62	21.80	41.42	115.12	-73.70	QP	100	115	
3	0.0486	19.29	20.90	40.19	113.87	-73.68	QP	100	49	
4	0.0892	18.93	14.20	33.13	108.60	-75.47	QP	100	328	
5	0.1057	18.83	11.53	30.36	107.12	-76.76	QP	100	245	
6	0.1497	18.80	12.37	31.17	104.10	-72.93	QP	100	184	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC 15.225_9k-30M_3m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 14:23:05
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-62.64-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	20.01	32.20	52.21	127.96	-75.75	QP	100	3	
2	0.0156	20.30	27.26	47.56	123.74	-76.18	QP	100	322	
3	0.0421	19.62	21.12	40.74	115.12	-74.38	QP	100	205	
4	0.0492	19.26	20.58	39.84	113.77	-73.93	QP	100	32	
5	0.1023	18.84	11.36	30.20	107.41	-77.21	QP	100	248	
6	0.1497	18.80	10.87	29.67	104.10	-74.43	QP	100	351	

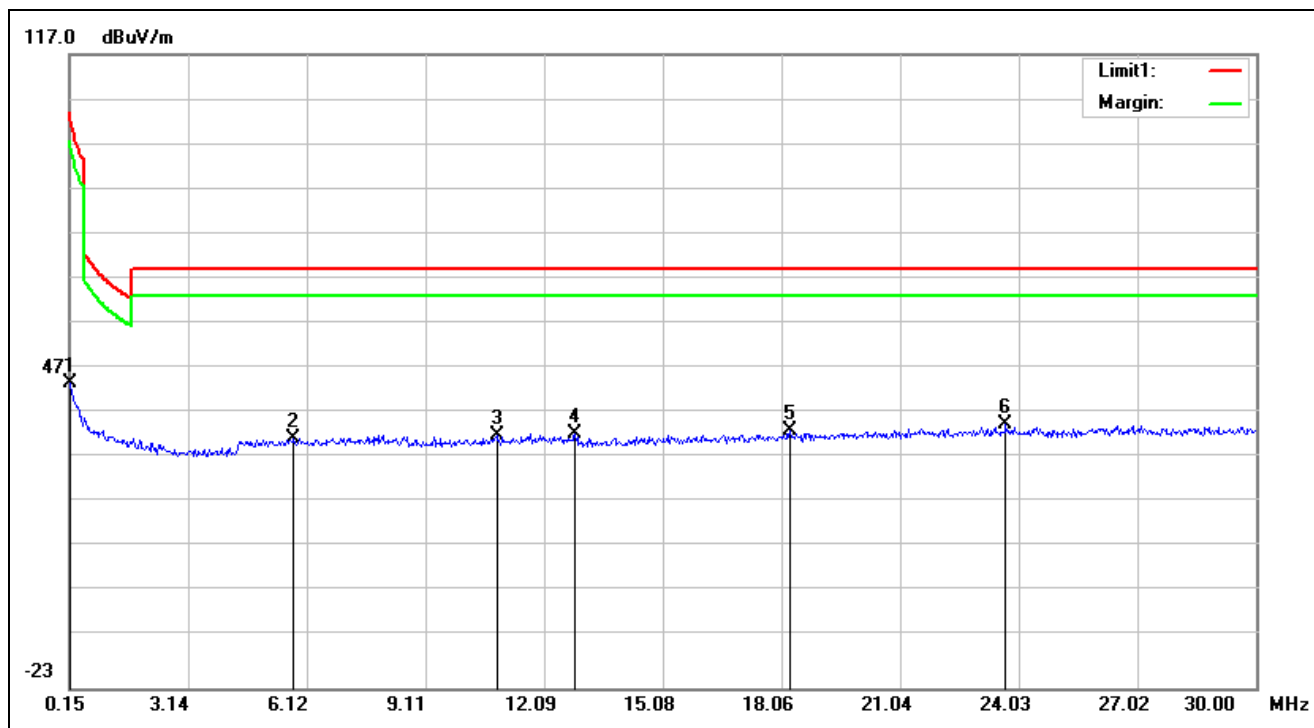
Spurious Emissions, RX Mode, 150k-30M



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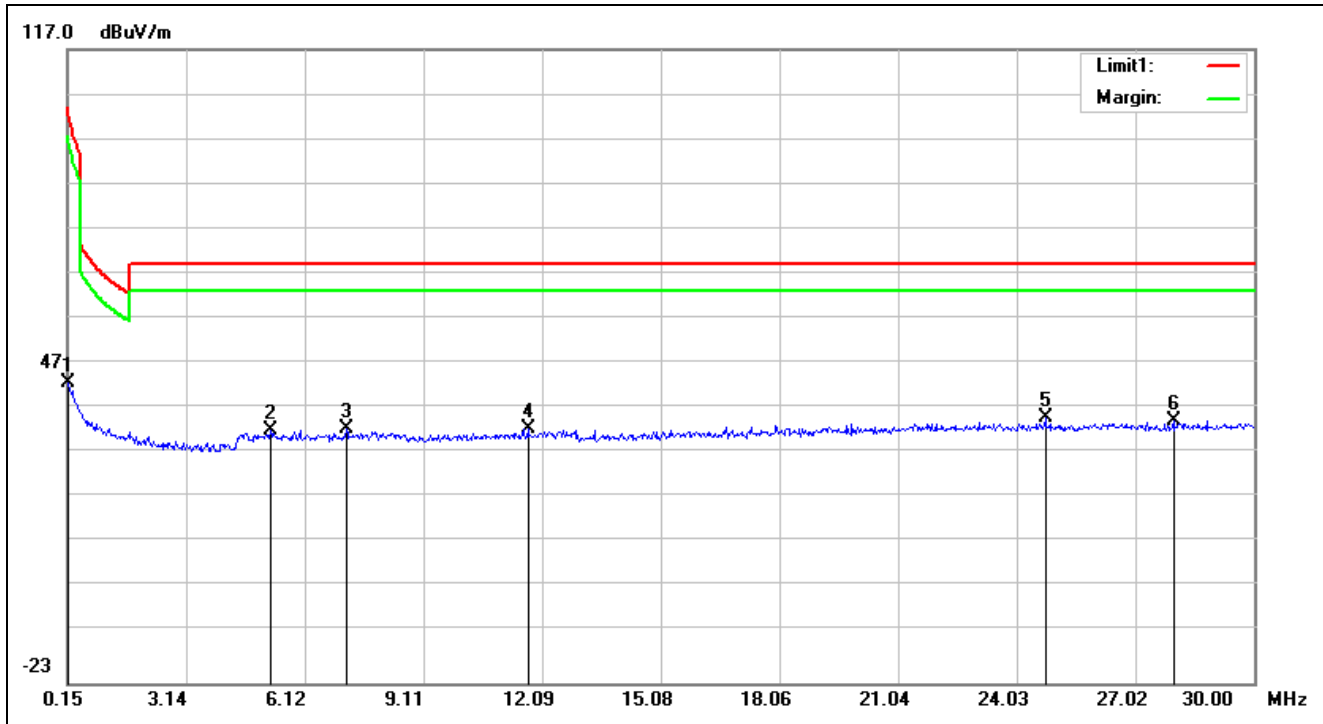
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Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC 15.225_9k-30M_3m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 14:21:19
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-60.48-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	25.51	44.28	102.50	-58.22	QP	100	112	
2	5.7917	19.73	12.51	32.24	69.54	-37.30	QP	100	251	
3	10.8960	20.50	12.33	32.83	69.54	-36.71	QP	100	261	
4	12.8661	20.73	12.28	33.01	69.54	-36.53	QP	100	232	
5	18.2690	21.35	12.53	33.88	69.54	-35.66	QP	100	296	
6	23.7017	21.82	13.44	35.26	69.54	-34.28	QP	100	27	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC 15.225_9k-30M_3m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 14:24:38
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-62.64-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	18.80	24.40	43.20	104.08	-60.88	QP	100	78	
2	5.2543	19.64	13.29	32.93	69.54	-36.61	QP	100	16	
3	7.1648	19.95	13.35	33.30	69.54	-36.24	QP	100	325	
4	11.7318	20.59	12.63	33.22	69.54	-36.32	QP	100	192	
5	24.7464	21.89	13.80	35.69	69.54	-33.85	QP	100	174	
6	27.9702	22.13	12.86	34.99	69.54	-34.55	QP	100	269	

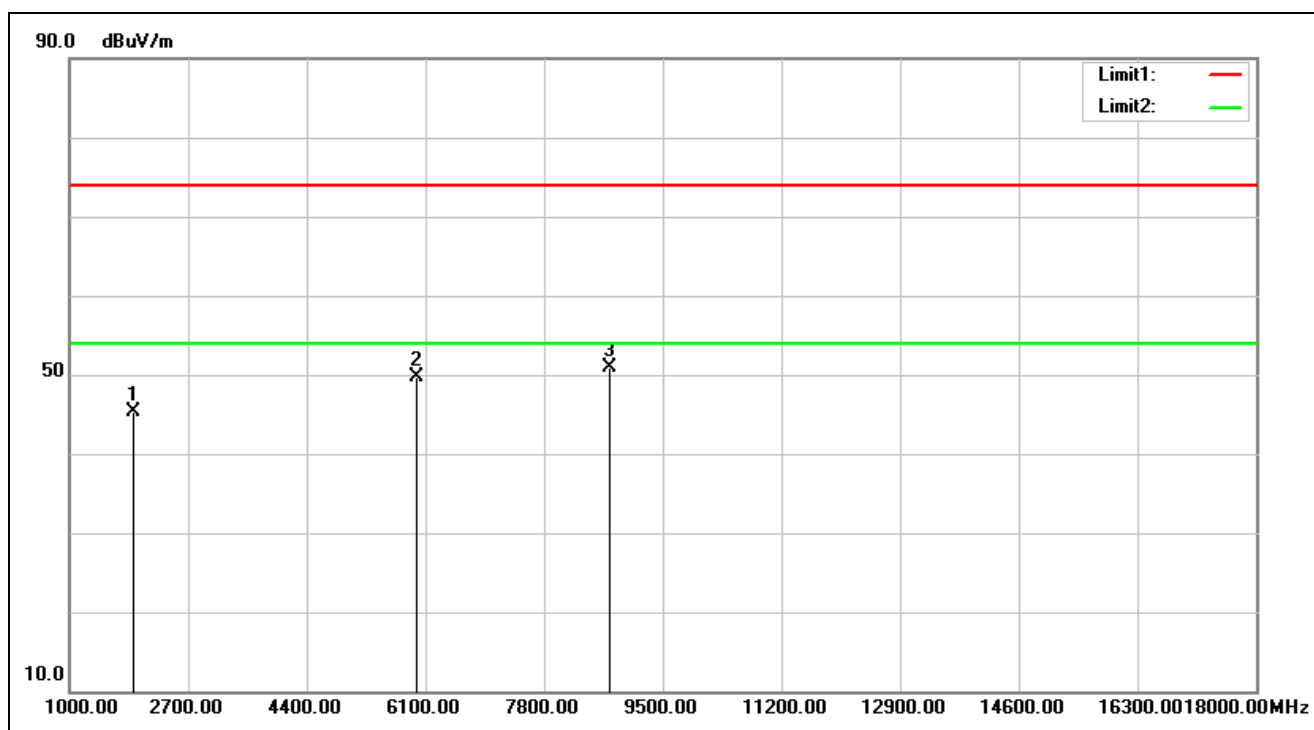
Spurious Emissions, RX Mode, 1-18G



TUV Taiwan

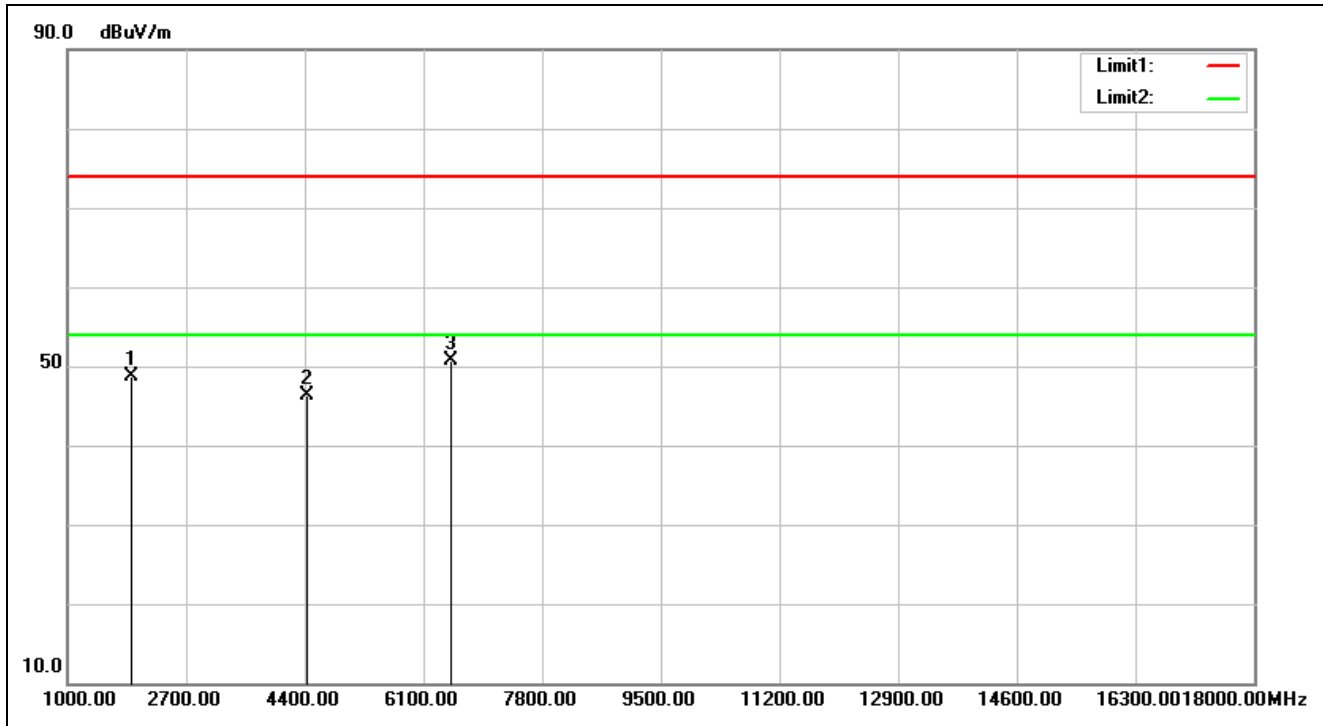
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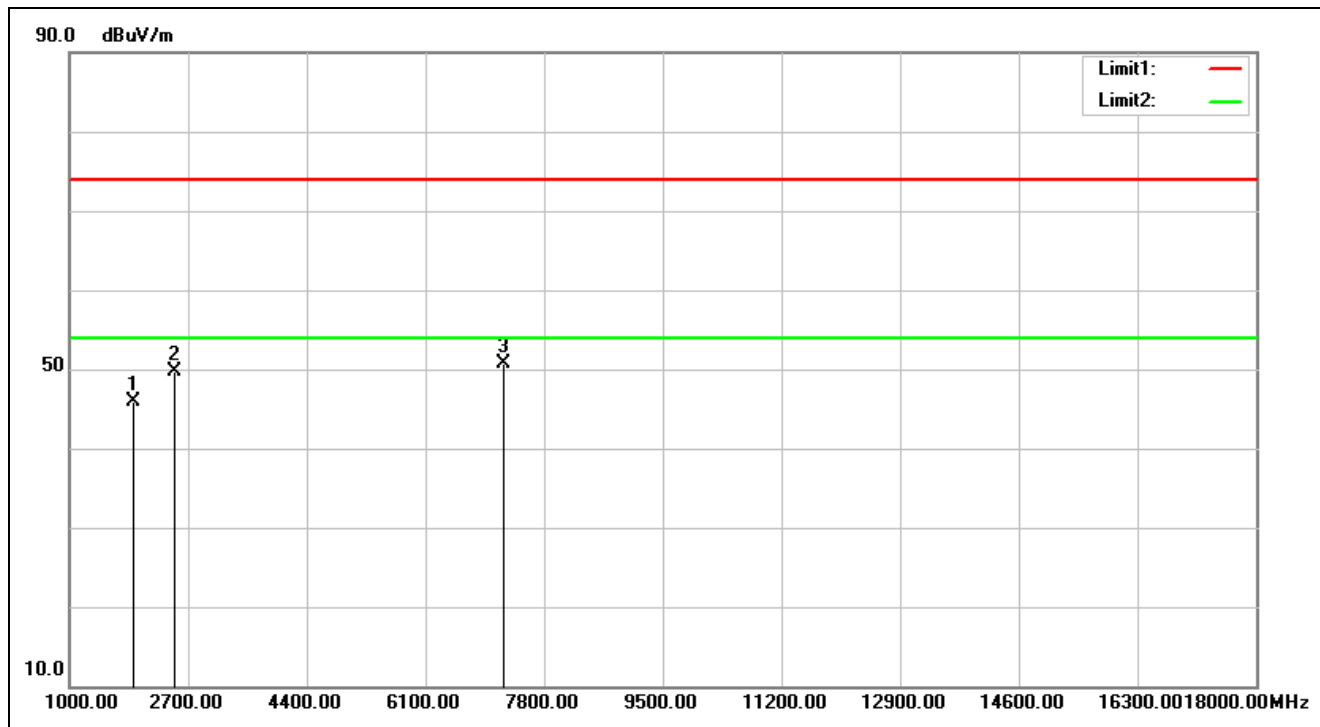
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 15:07:52
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.48-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	-9.27	54.60	45.33	74.00	-28.67	peak	100	226	
2	5964.000	2.71	47.05	49.76	74.00	-24.24	peak	100	334	
3	8735.000	5.73	45.25	50.98	74.00	-23.02	peak	100	170	



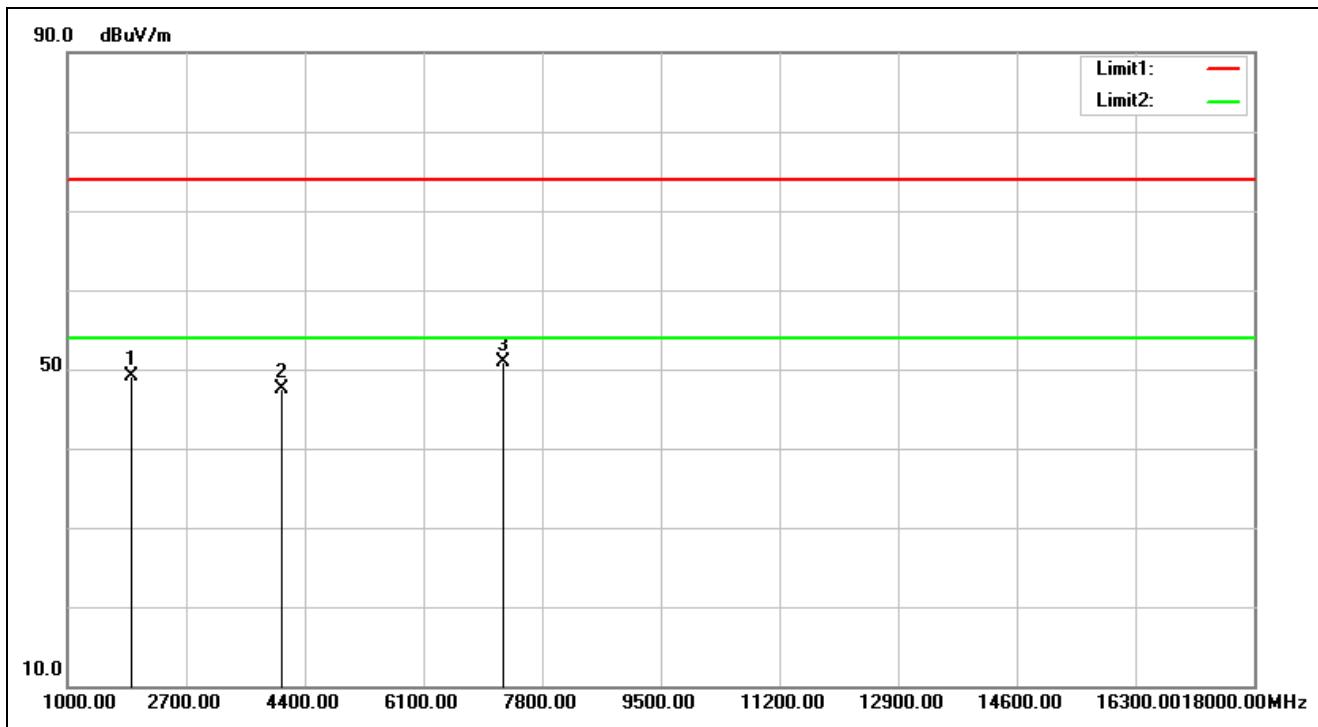
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 15:08:54
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.48-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	-9.27	58.02	48.75	74.00	-25.25	peak	100	78	
2	4434.000	-4.20	50.44	46.24	74.00	-27.76	peak	100	357	
3	6491.000	4.58	46.08	50.66	74.00	-23.34	peak	100	234	



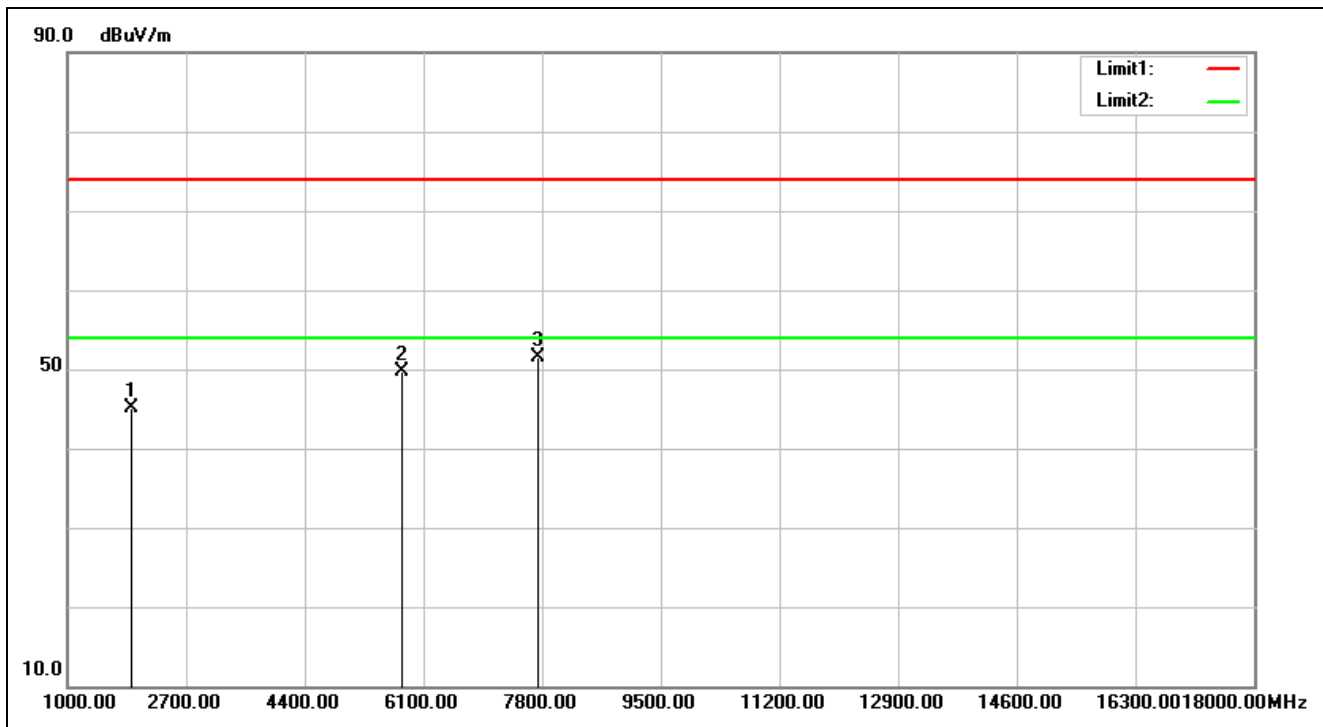
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 15:14:04
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.64-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	-9.27	55.08	45.81	74.00	-28.19	peak	100	140	
2	2513.000	-7.80	57.46	49.66	74.00	-24.34	peak	100	6	
3	7222.000	4.58	46.19	50.77	74.00	-23.23	peak	100	268	



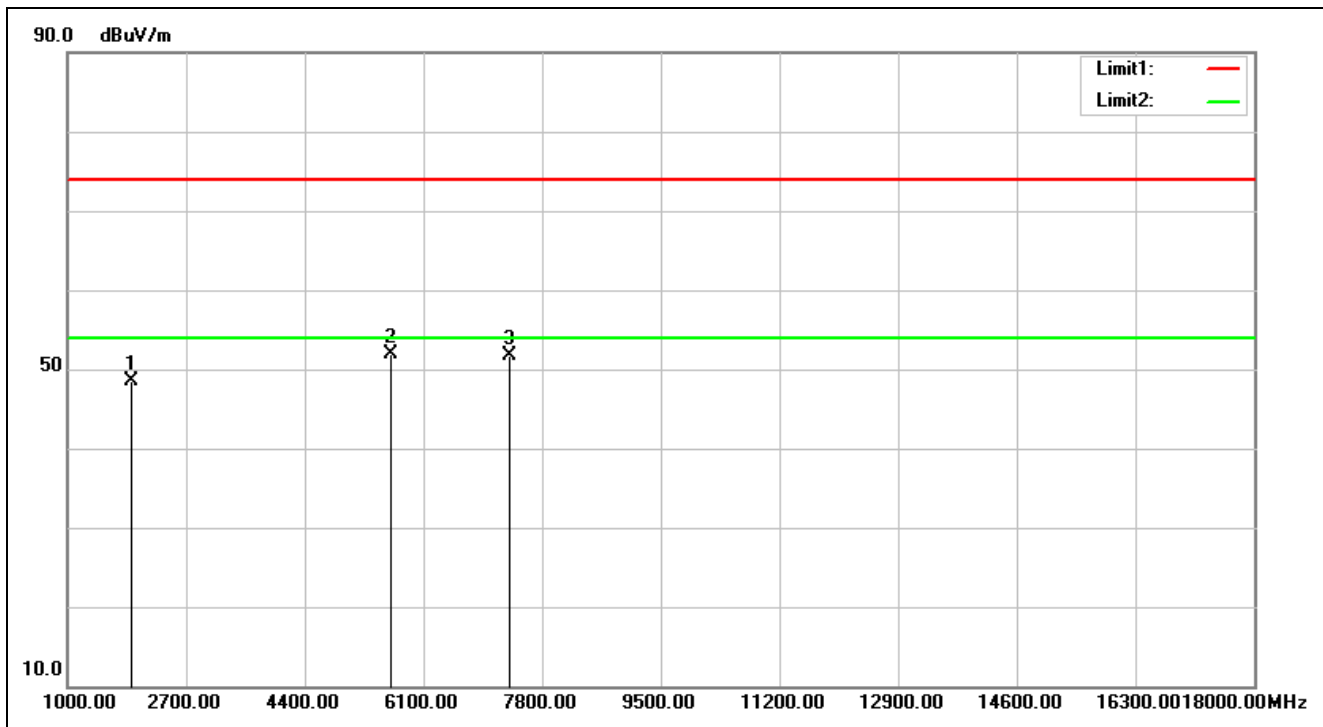
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 15:15:07
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.64-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	-9.27	58.41	49.14	74.00	-24.86	peak	100	78	
2	4060.000	-5.36	52.87	47.51	74.00	-26.49	peak	100	348	
3	7239.000	4.64	46.18	50.82	74.00	-23.18	peak	100	234	



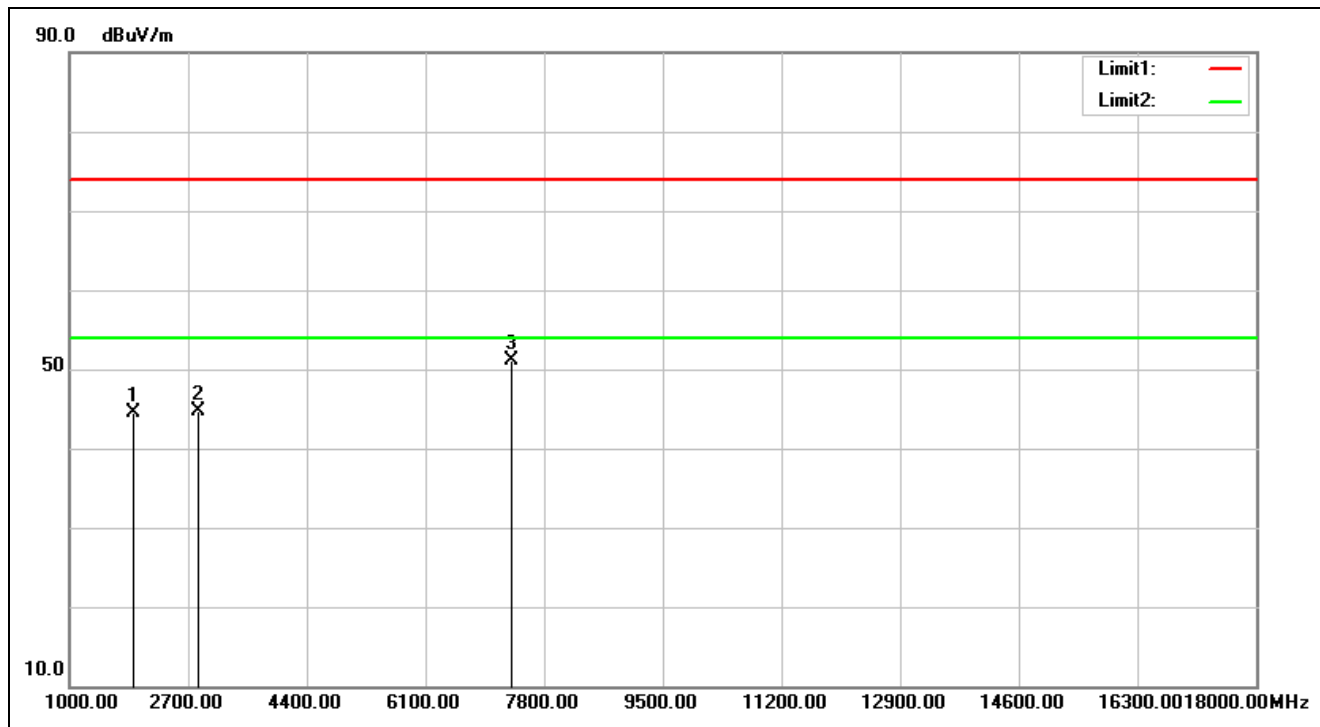
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 15:10:23
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-60.48-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	-9.27	54.43	45.16	74.00	-28.84	peak	100	140	
2	5794.000	1.50	48.28	49.78	74.00	-24.22	peak	100	360	
3	7749.000	5.48	46.09	51.57	74.00	-22.43	peak	100	100	



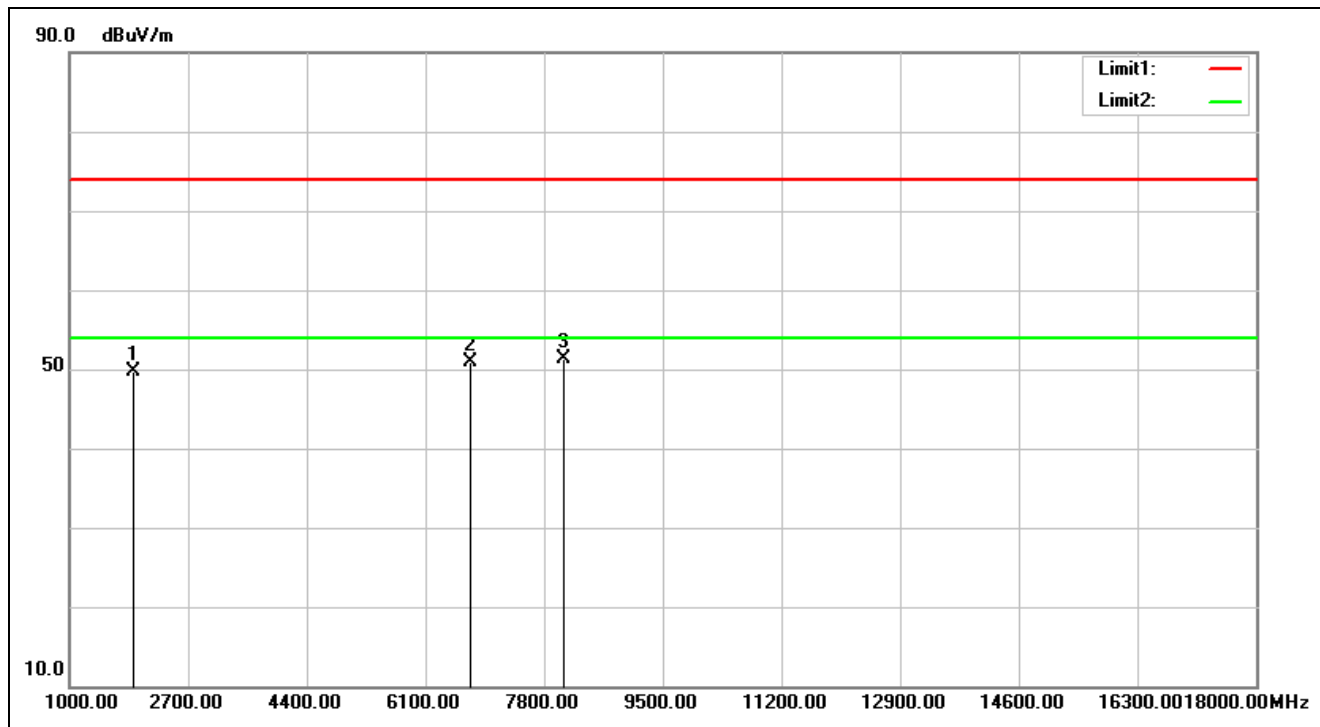
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 15:11:26
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-60.48-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	-9.27	57.79	48.52	74.00	-25.48	peak	100	76	
2	5641.000	0.41	51.56	51.97	74.00	-22.03	peak	100	293	
3	7341.000	4.98	46.81	51.79	74.00	-22.21	peak	100	201	



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 15:16:51
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-62.64-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	-9.27	53.84	44.57	74.00	-29.43	peak	100	140	
2	2853.000	-7.21	51.87	44.66	74.00	-29.34	peak	100	343	
3	7324.000	4.92	46.23	51.15	74.00	-22.85	peak	100	14	



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 15:17:54
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-62.64-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	-9.27	59.02	49.75	74.00	-24.25	peak	100	81	
2	6746.000	4.22	46.61	50.83	74.00	-23.17	peak	100	162	
3	8089.000	5.45	45.87	51.32	74.00	-22.68	peak	100	273	

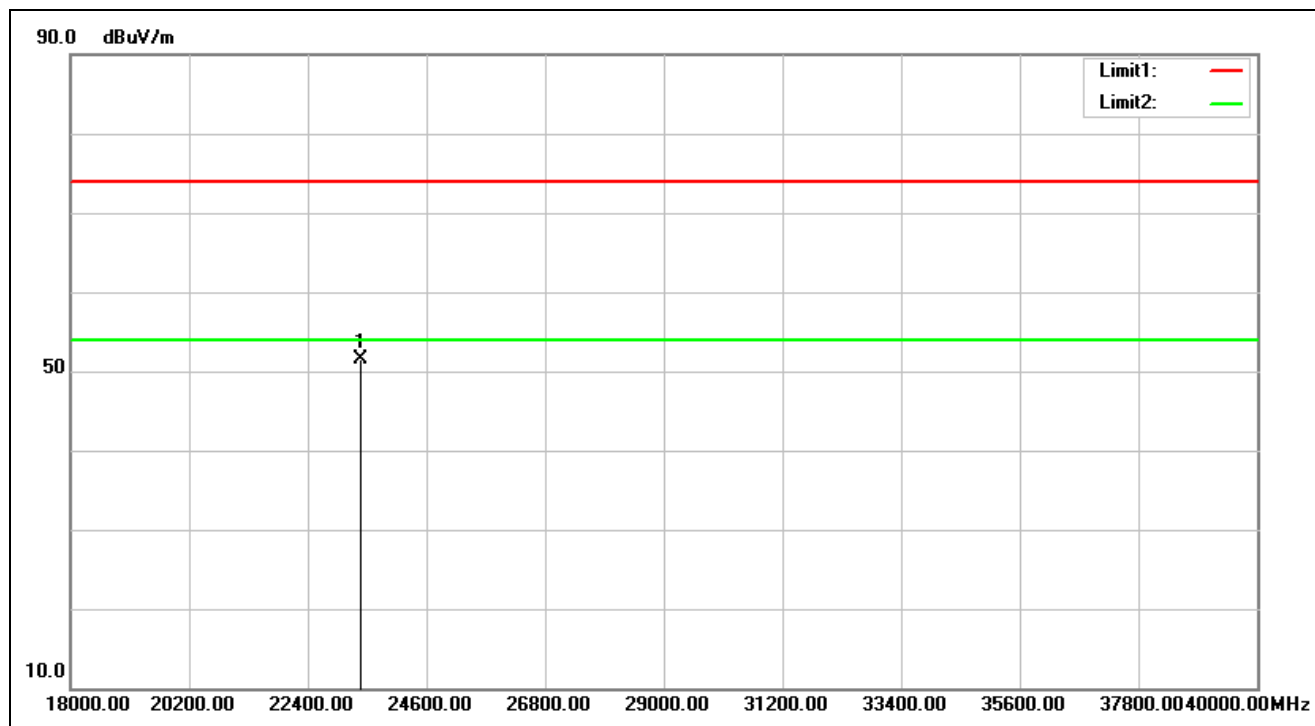
Spurious Emissions, RX Mode, 18-40G



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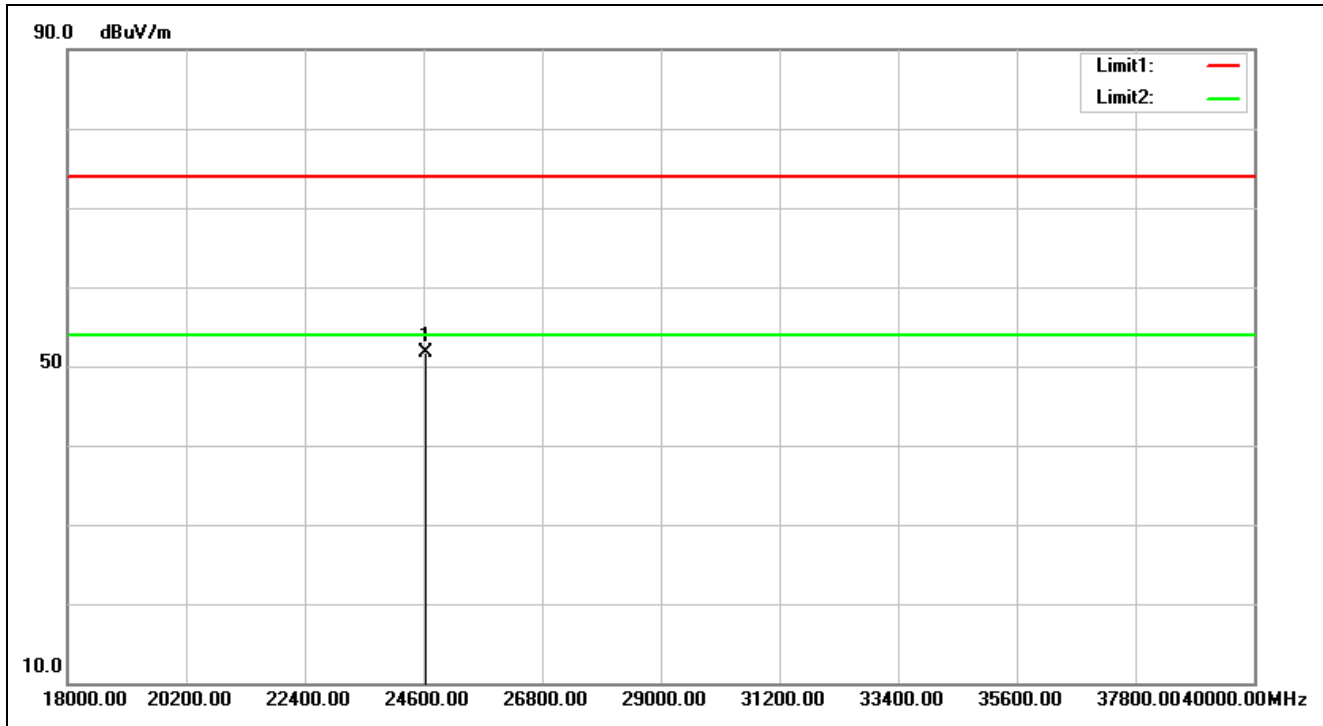
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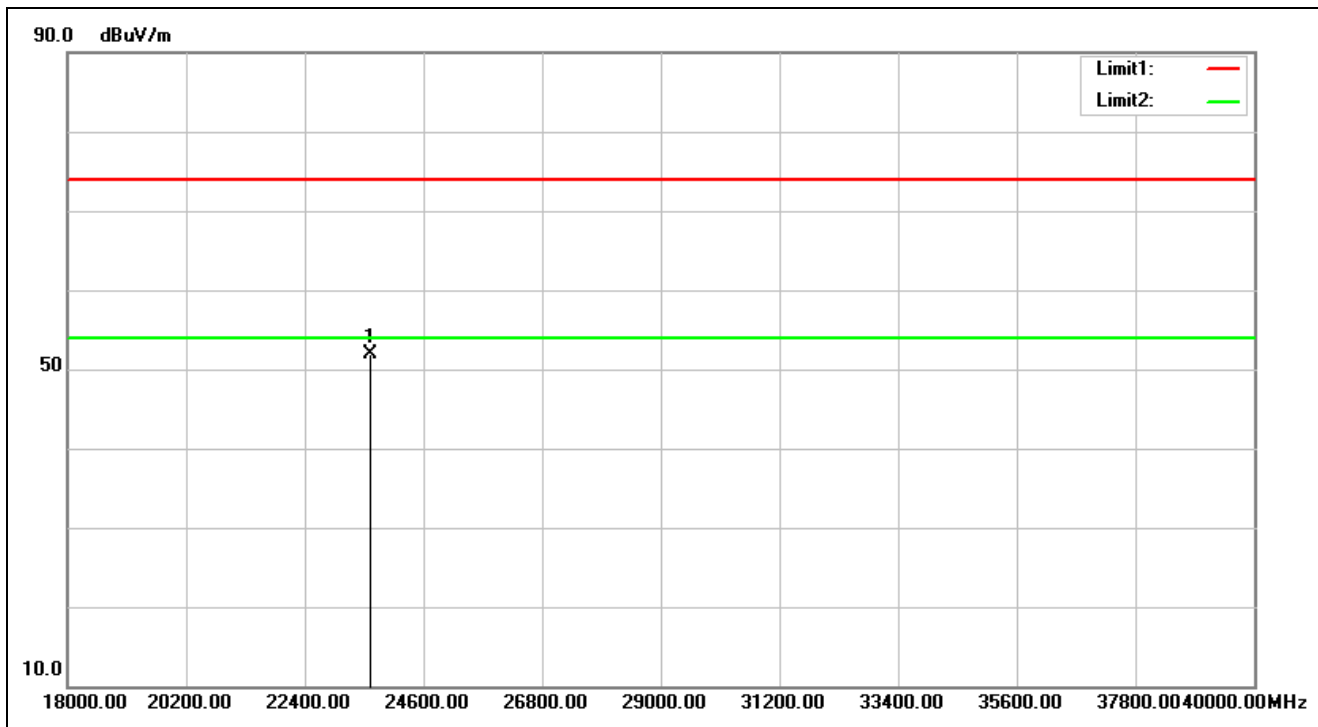
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:09:24
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.48-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23368.000	32.75	18.76	51.51	74.00	-22.49	peak		0	



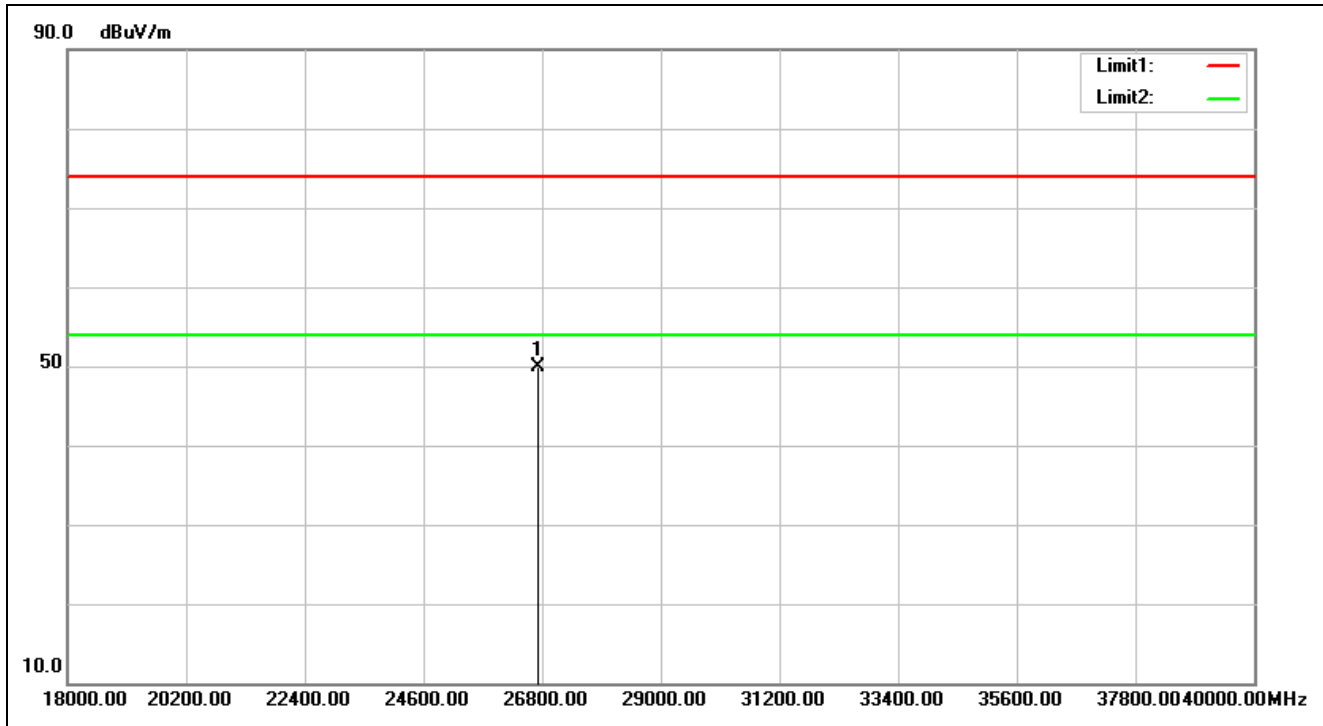
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:09:35
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-60.48-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24644.000	33.21	18.53	51.74	74.00	-22.26	peak			



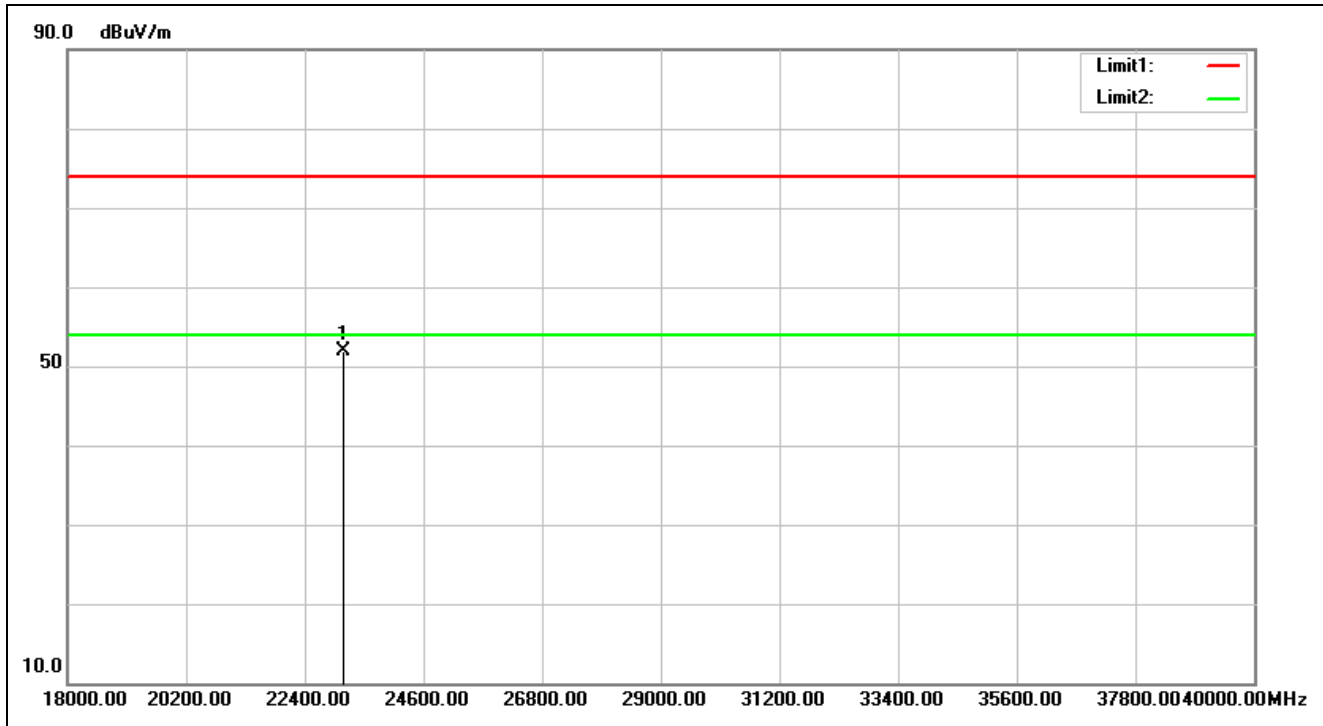
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:10:29
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.64-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23610.000	32.62	19.34	51.96	74.00	-22.04	peak			



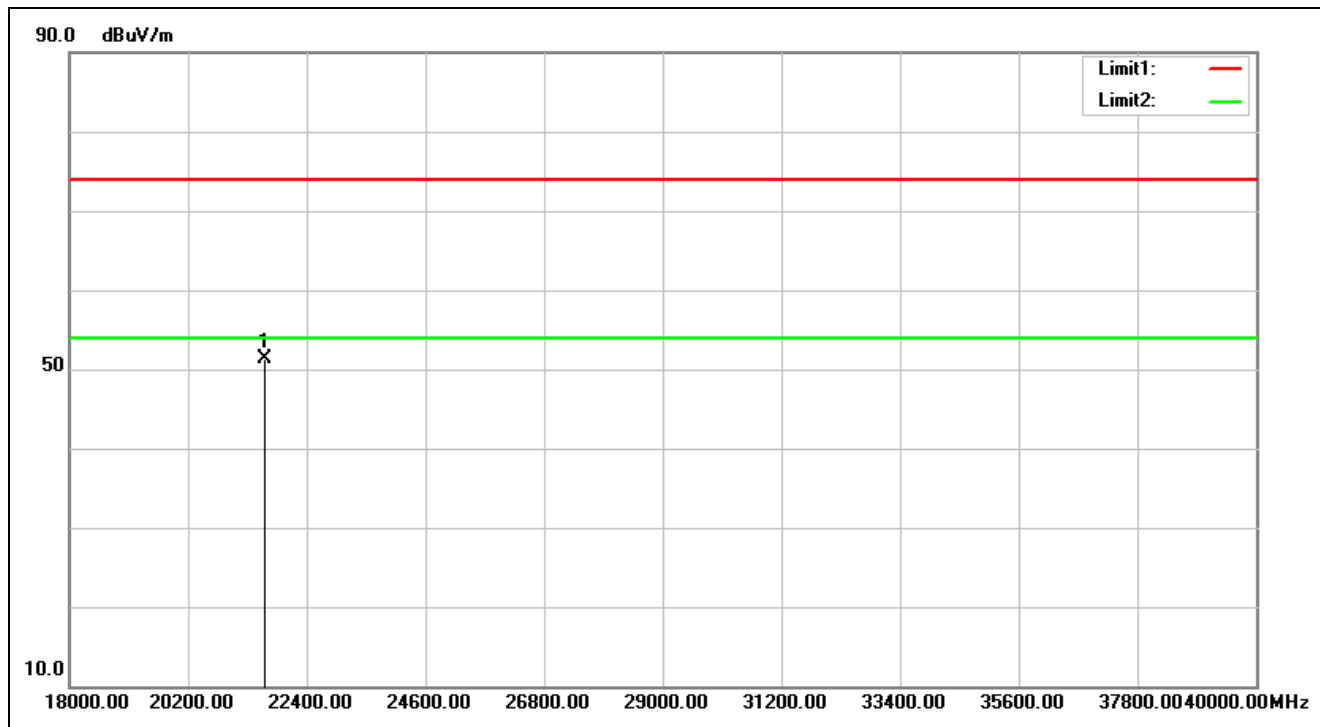
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:10:43
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	LRP-62.64-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	26734.000	35.06	14.88	49.94	74.00	-24.06	peak			



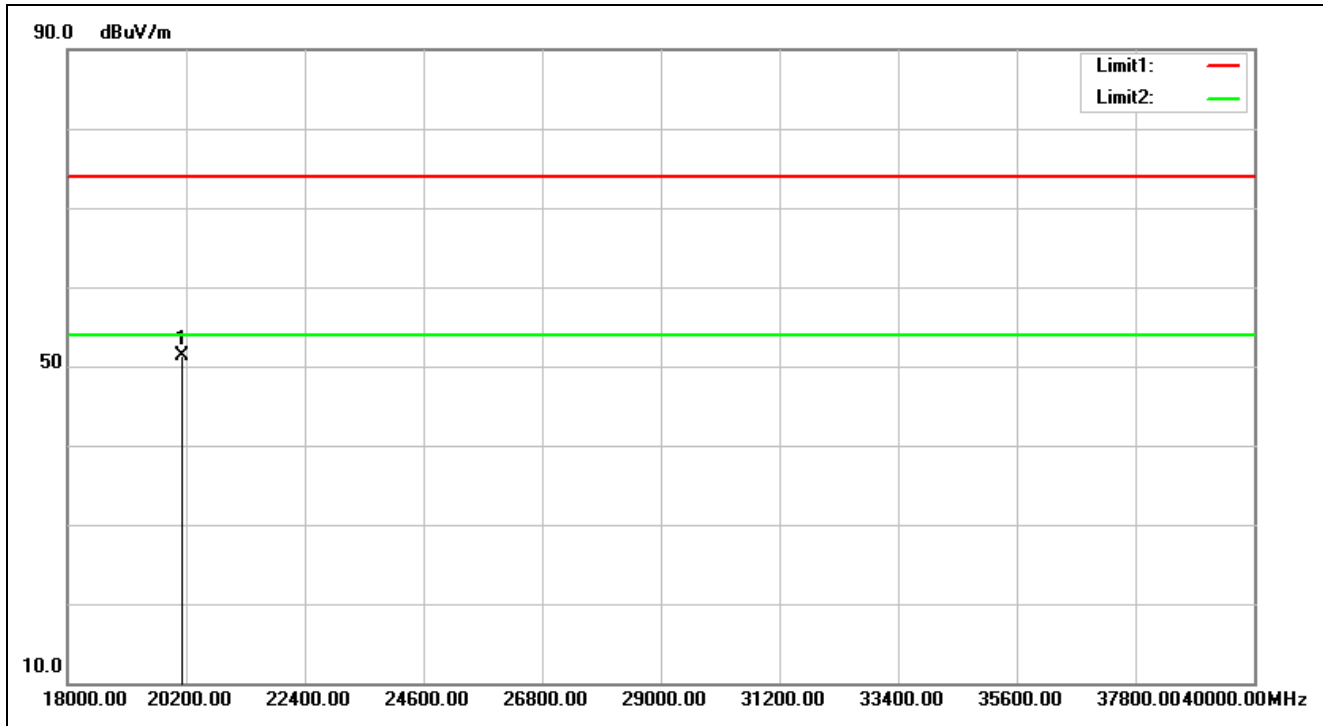
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:09:51
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-60.48-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23104.000	32.57	19.37	51.94	74.00	-22.06	peak			



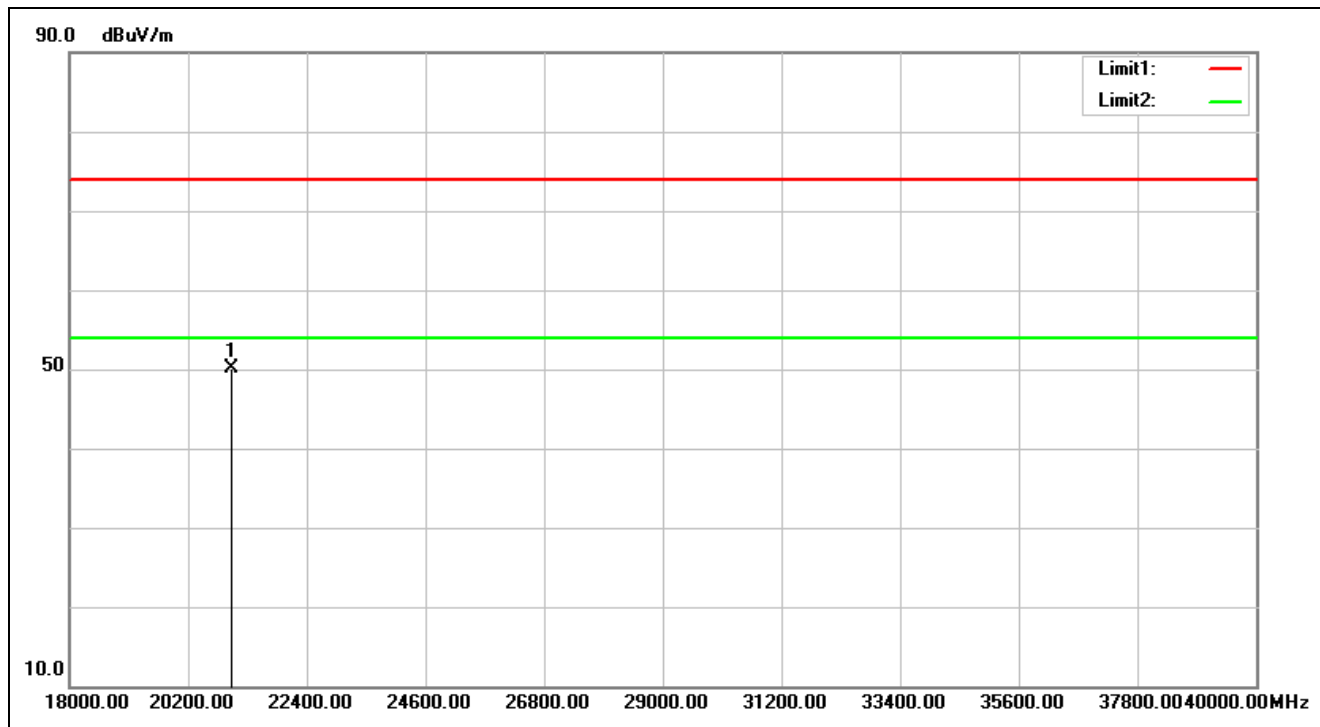
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:10:10
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-60.48-RX		
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	18.60	51.36	74.00	-22.64	peak			



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/26 14:10:59
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-62.64-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20112.000	31.53	19.77	51.30	74.00	-22.70	peak			



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/26 14:11:09
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.5(°C)/61%
Model No.:	TX-1	Test Engineer:	George Yang
Test Mode:	MRP-62.64-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21014.000	31.96	18.21	50.17	74.00	-23.83	peak			

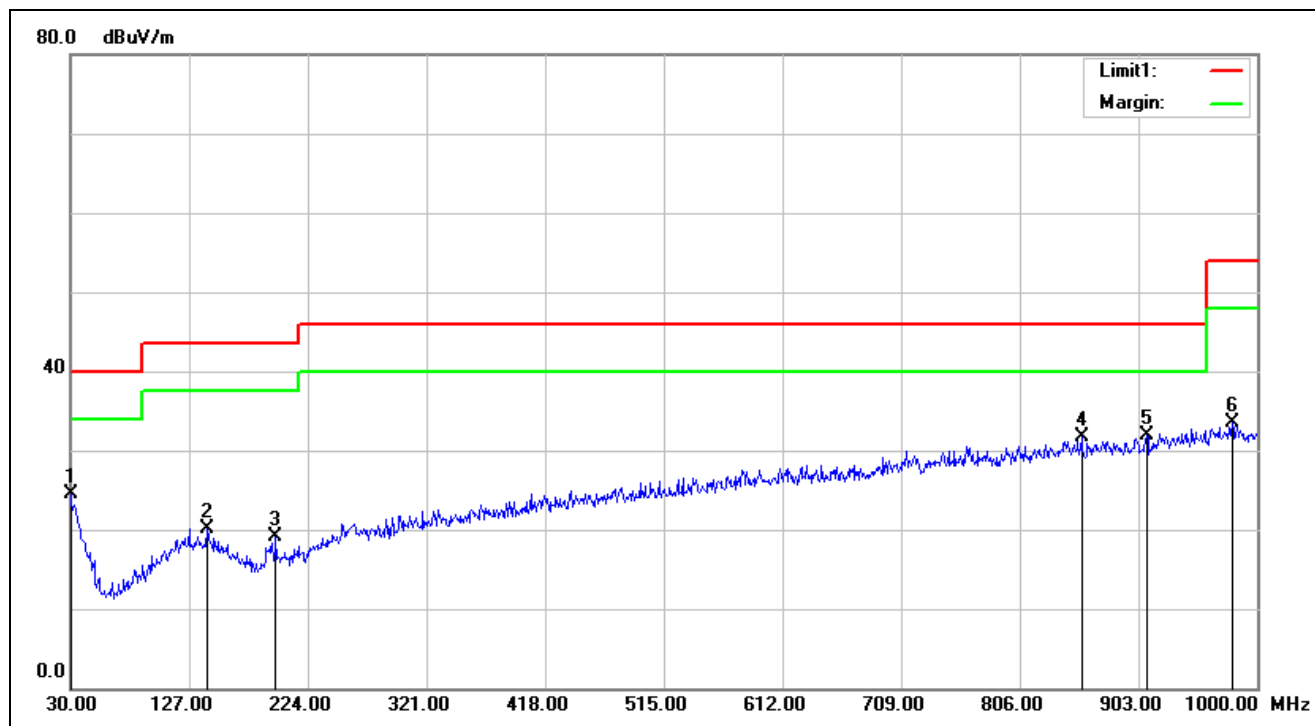
Spurious Emissions, RX Mode, 30M-1G



TUV Taiwan

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

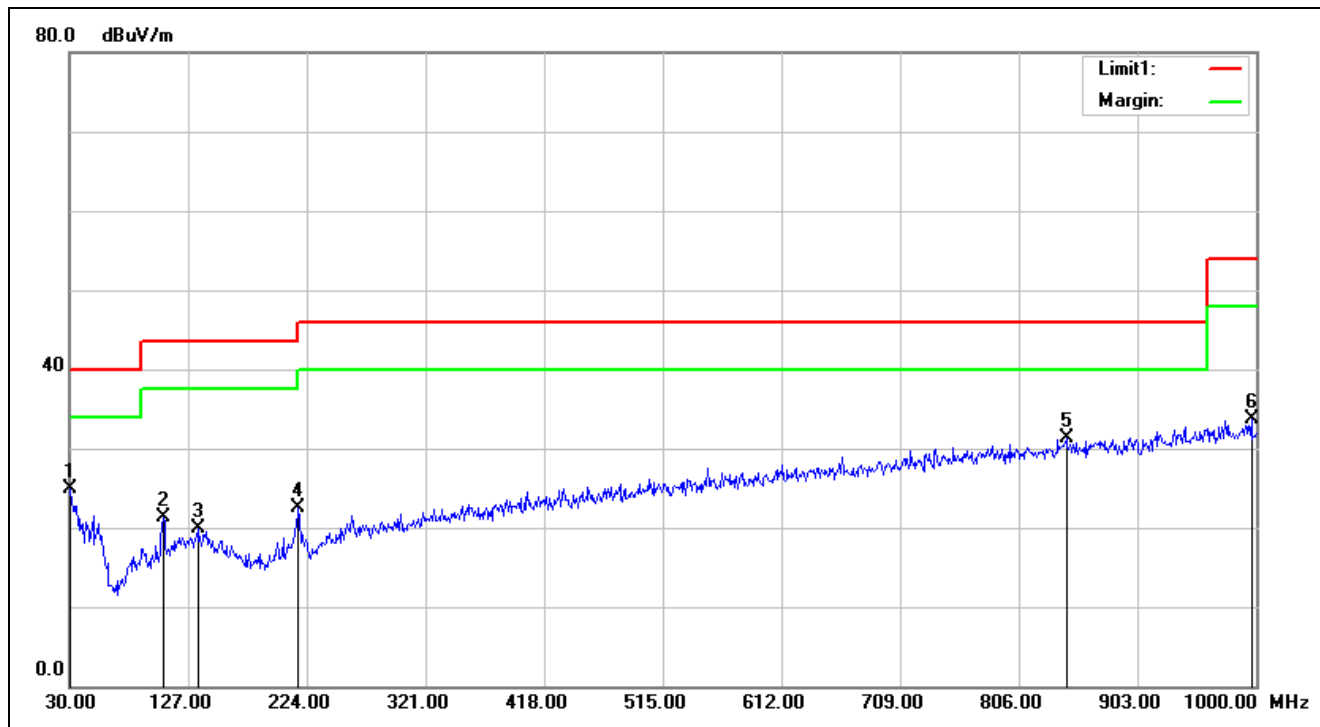
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 15:02:18
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-60.48-RX		
Remark:			

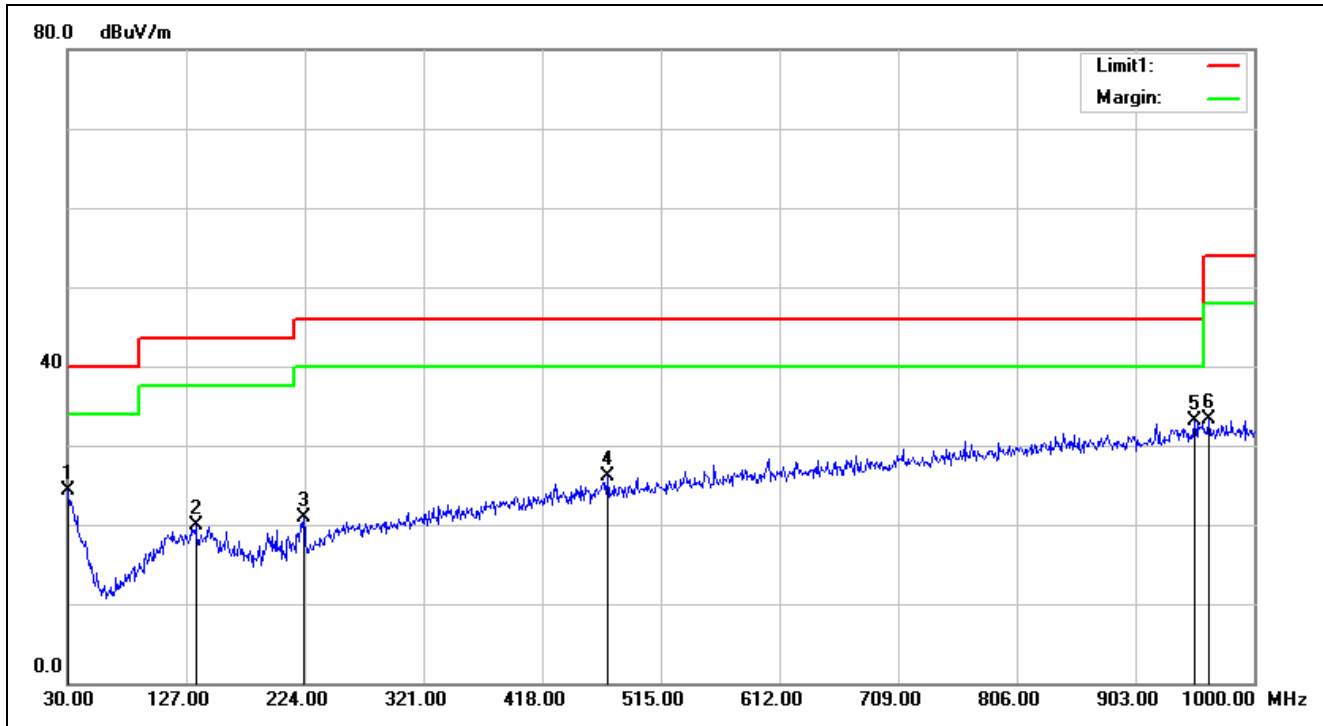
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.07	24.65	24.58	40.00	-15.42	QP	100	225	
2	141.5500	-7.06	27.25	20.19	43.50	-23.31	QP	100	121	
3	197.8100	-9.05	28.16	19.11	43.50	-24.39	QP	100	286	
4	856.4400	3.74	27.89	31.63	46.00	-14.37	QP	100	48	
5	909.7900	4.40	27.44	31.84	46.00	-14.16	QP	100	139	
6	979.6300	5.65	27.81	33.46	54.00	-20.54	QP	100	284	

Spurious Emissions, Mains, 150kHz - 30MHz



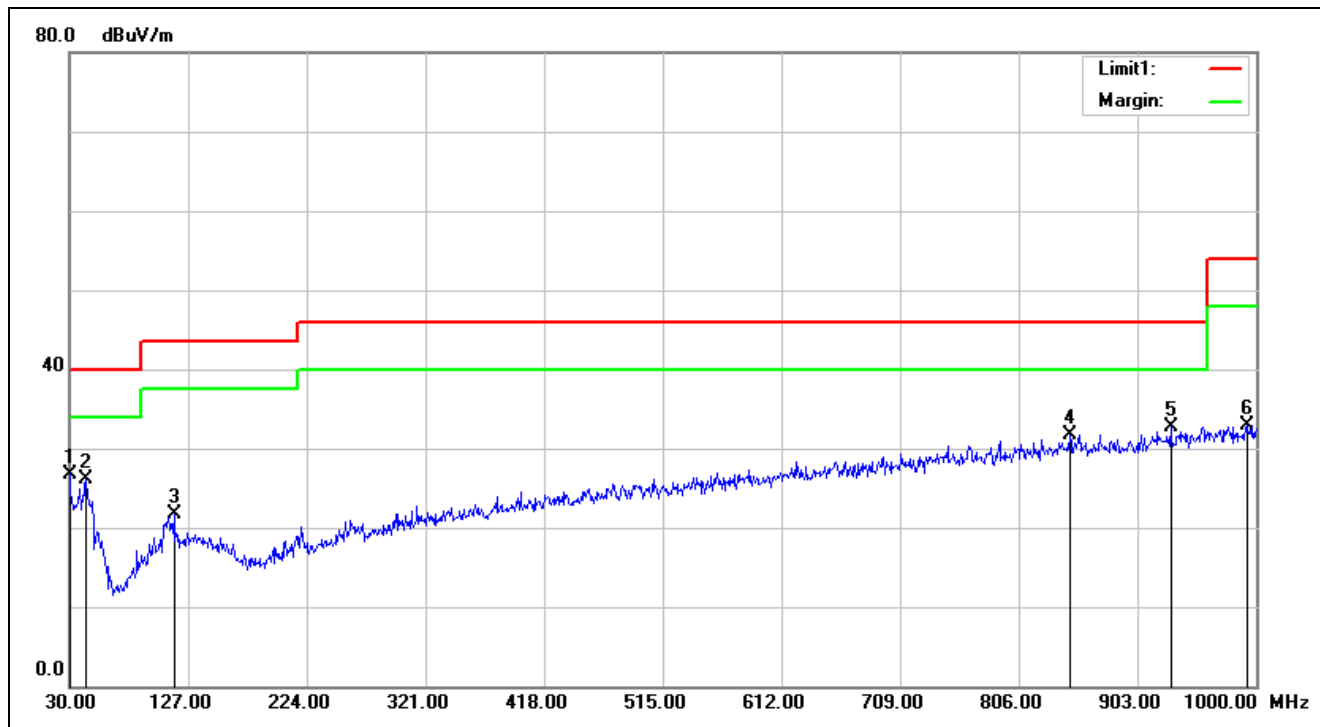
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 15:03:21
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%):	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-60.48-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	24.97	24.90	40.00	-15.10	QP	100	296	
2	106.6300	-8.61	29.91	21.30	43.50	-22.20	QP	100	226	
3	134.7600	-6.98	26.84	19.86	43.50	-23.64	QP	100	20	
4	217.2100	-8.37	30.81	22.44	46.00	-23.56	QP	100	229	
5	844.8000	3.60	27.70	31.30	46.00	-14.70	QP	100	291	
6	996.1200	5.79	27.84	33.63	54.00	-20.37	QP	100	229	



Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 15:05:03
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-62.64-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	24.47	24.40	40.00	-15.60	QP	100	356	
2	134.7600	-6.98	26.81	19.83	43.50	-23.67	QP	100	0	
3	223.0300	-8.07	28.89	20.82	46.00	-25.18	QP	100	294	
4	471.3500	-1.74	27.77	26.03	46.00	-19.97	QP	100	11	
5	951.5000	5.40	27.76	33.16	46.00	-12.84	QP	100	252	
6	963.1400	5.50	27.86	33.36	54.00	-20.64	QP	100	177	



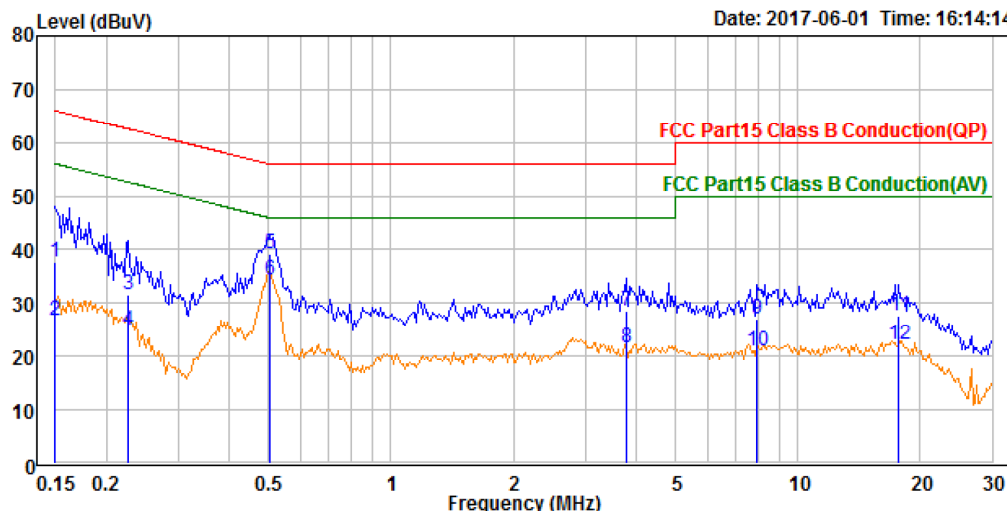
Service No.:	114064109(TX-1)-NCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 15:06:07
Applicant:	TPCast	Test Rating:	DC 5V
Product:	PC Transmitter	Temp.(°C)/Hum.(%)	23.1(°C)/50%
Model No.:	TX-1	Test Engineer:	Freeman Wang
Test Mode:	MRP-62.64-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	26.69	26.62	40.00	-13.38	QP	100	346	
2	43.5800	-7.86	34.04	26.18	40.00	-13.82	QP	100	261	
3	115.3600	-7.72	29.44	21.72	43.50	-21.78	QP	100	143	
4	847.7100	3.64	28.07	31.71	46.00	-14.29	QP	100	159	
5	930.1600	4.89	27.72	32.61	46.00	-13.39	QP	100	250	
6	992.2400	5.77	27.13	32.90	54.00	-21.10	QP	100	296	

Mains Spurious Emissions

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Date: 2017-06-01 Time: 16:14:14



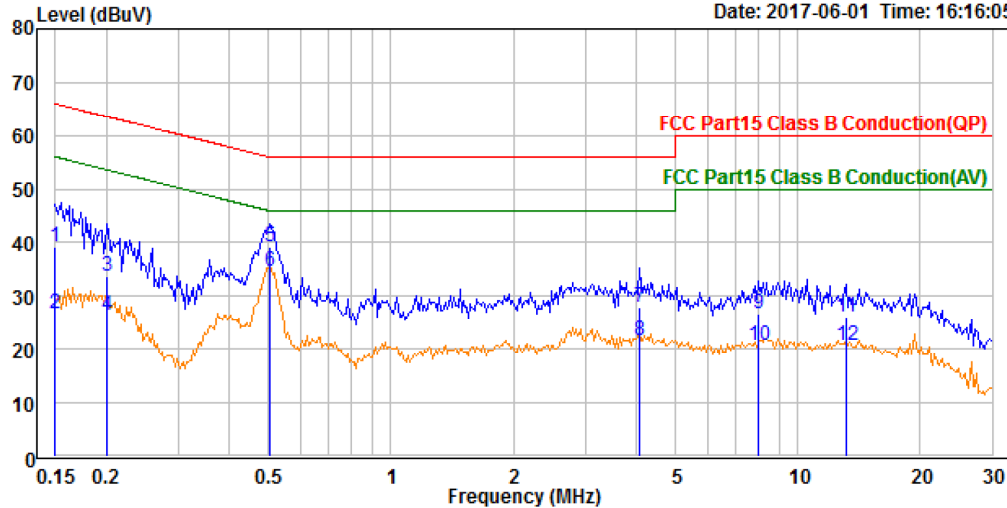
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Beijing TPcast
Product : PC Transmitter
Model No. : TX-1
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.1 °C / 44 %
Memo : (a) Normal operation

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.150	37.73	27.95	9.78	66.00	-28.27	QP
2	0.150	26.76	16.98	9.78	56.00	-29.24	Average
3	0.225	31.70	21.94	9.76	62.61	-30.91	QP
4	0.225	25.04	15.28	9.76	52.61	-27.57	Average
5	0.504	39.15	29.40	9.75	56.00	-16.85	QP
6	0.504	34.48	24.73	9.75	46.00	-11.52	Average
7	3.795	28.62	18.83	9.79	56.00	-27.38	QP
8	3.795	21.58	11.79	9.79	46.00	-24.42	Average
9	7.918	27.13	17.29	9.84	60.00	-32.87	QP
10	7.918	21.11	11.27	9.84	50.00	-28.89	Average
11	17.714	27.56	17.61	9.95	60.00	-32.44	QP
12	17.714	22.21	12.26	9.95	50.00	-27.79	Average

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Date: 2017-06-01 Time: 16:16:05



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Beijing TPcast
Product : PC Transmitter
Model No. : TX-1
Test Rating : 120Vac/60Hz
Tmp/Hum : 23.1 °C / 44 %
Memo : (a) Normal operation

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.150	39.14	29.41	9.73	66.00	-26.86	QP
2	0.150	26.92	17.19	9.73	56.00	-29.08	Average
3	0.200	33.80	24.11	9.69	63.61	-29.81	QP
4	0.200	26.43	16.74	9.69	53.61	-27.18	Average
5	0.504	39.34	29.65	9.69	56.00	-16.66	QP
6	0.504	34.73	25.04	9.69	46.00	-11.27	Average
7	4.068	28.03	18.33	9.70	56.00	-27.97	QP
8	4.068	21.63	11.93	9.70	46.00	-24.37	Average
9	7.997	26.85	17.05	9.80	60.00	-33.15	QP
10	7.997	20.74	10.94	9.80	50.00	-29.26	Average
11	13.146	26.30	16.42	9.88	60.00	-33.70	QP
12	13.146	20.73	10.85	9.88	50.00	-29.27	Average