

Test Report No.10052123 10052125 001

Appendix D: Radiated Spurious Emission Data

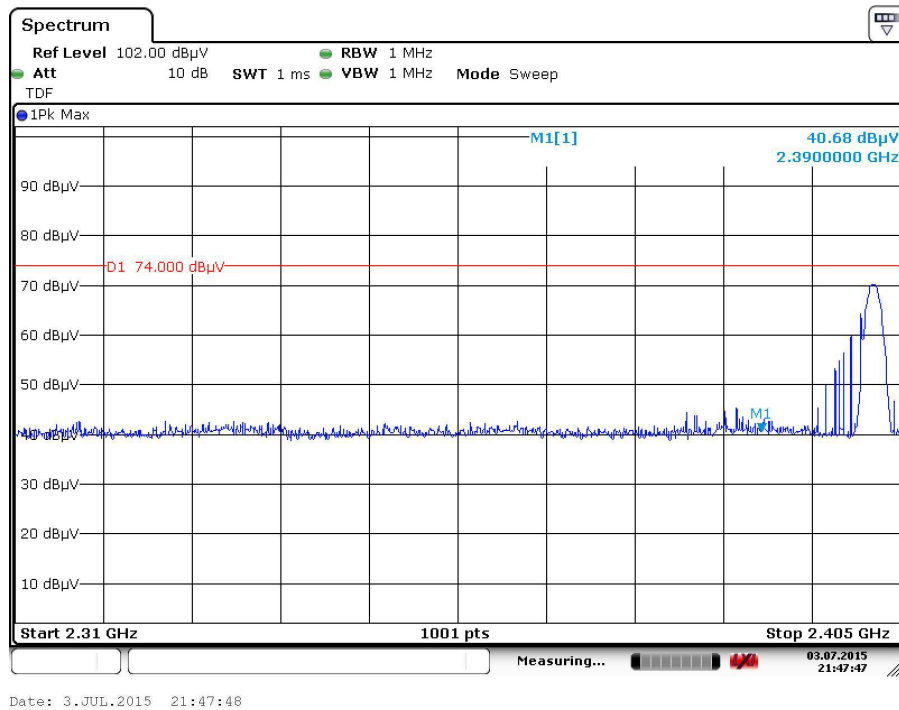
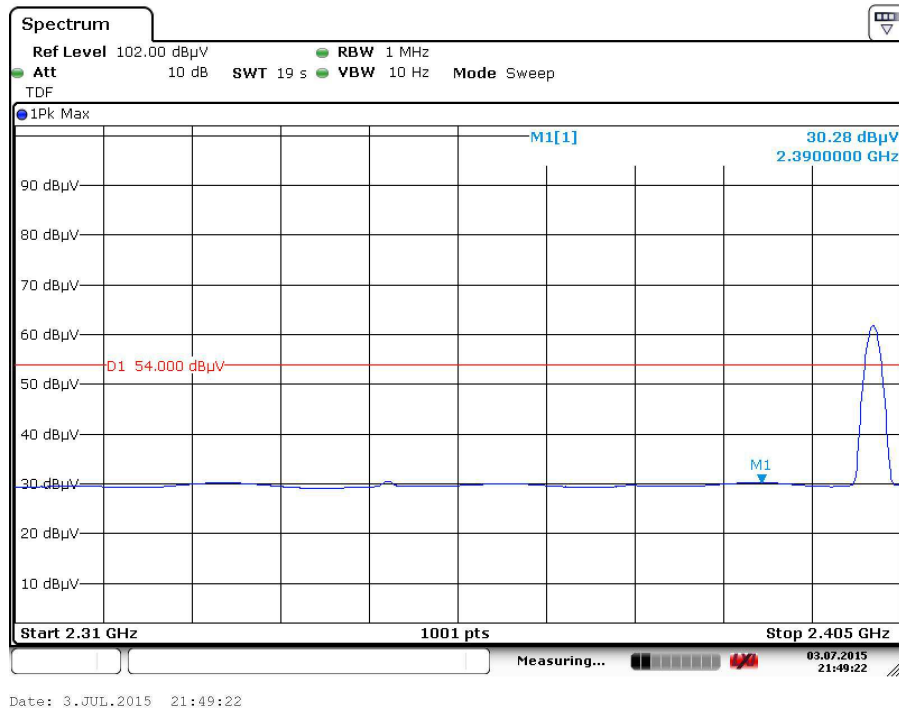
(File: 10052123 10052125AppendixD)

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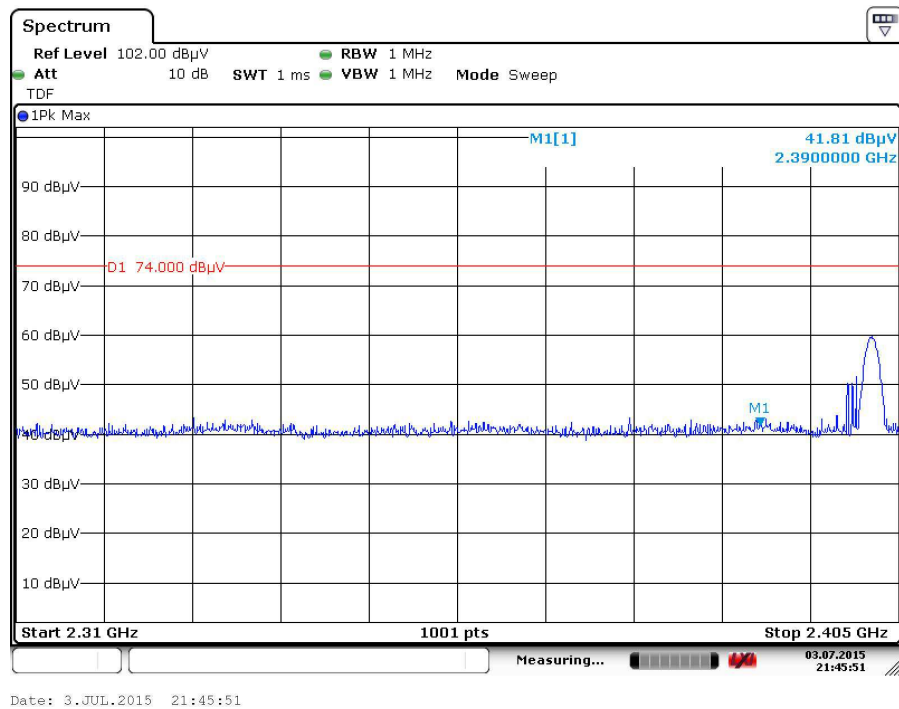
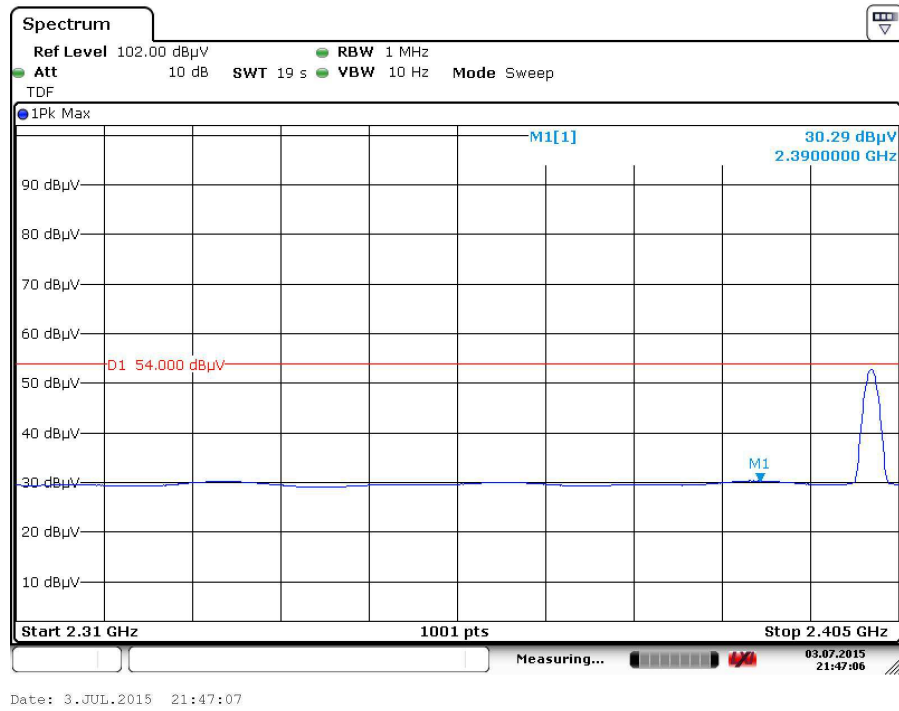
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Radiated Bandedge (GFSK)

Low Channel (Hor)



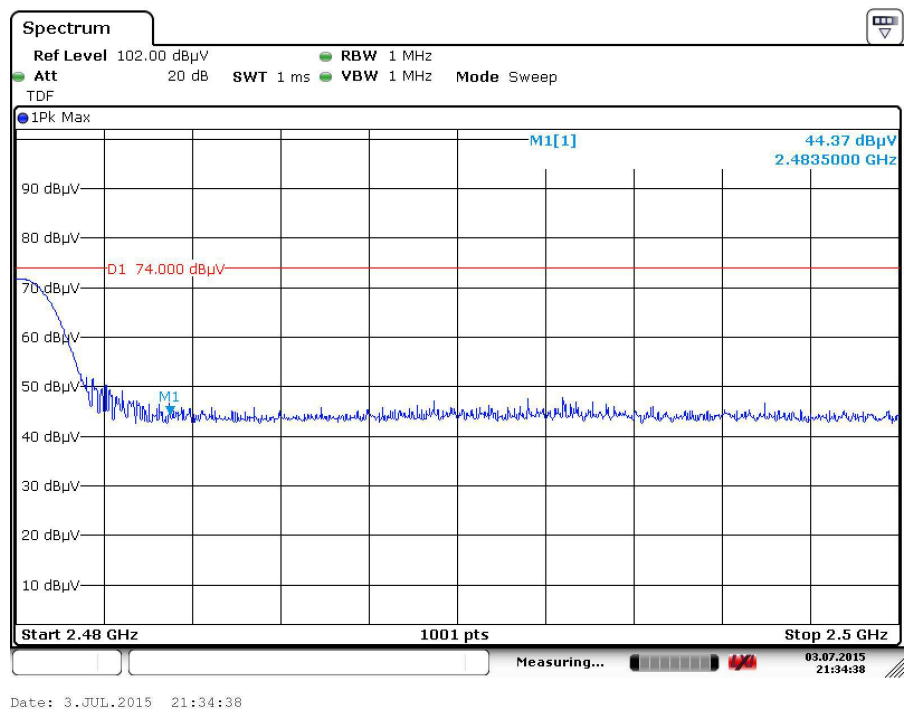
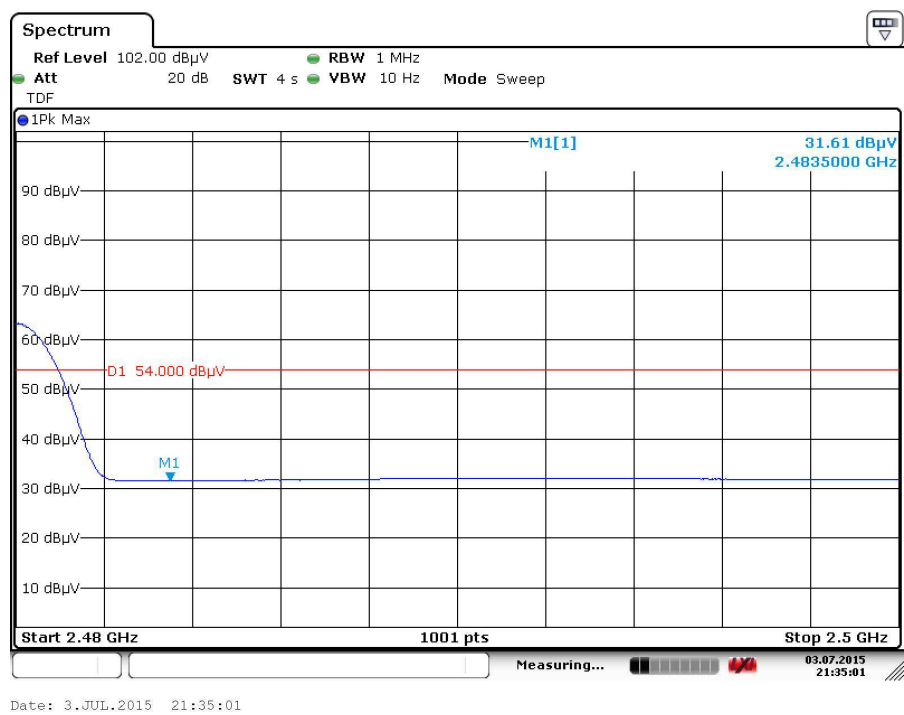
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

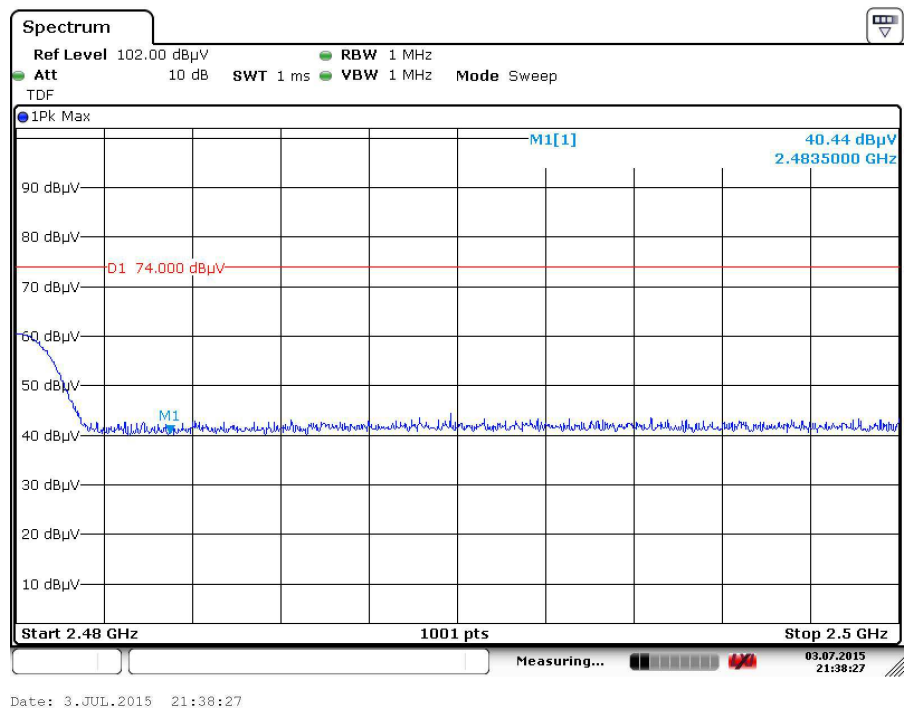
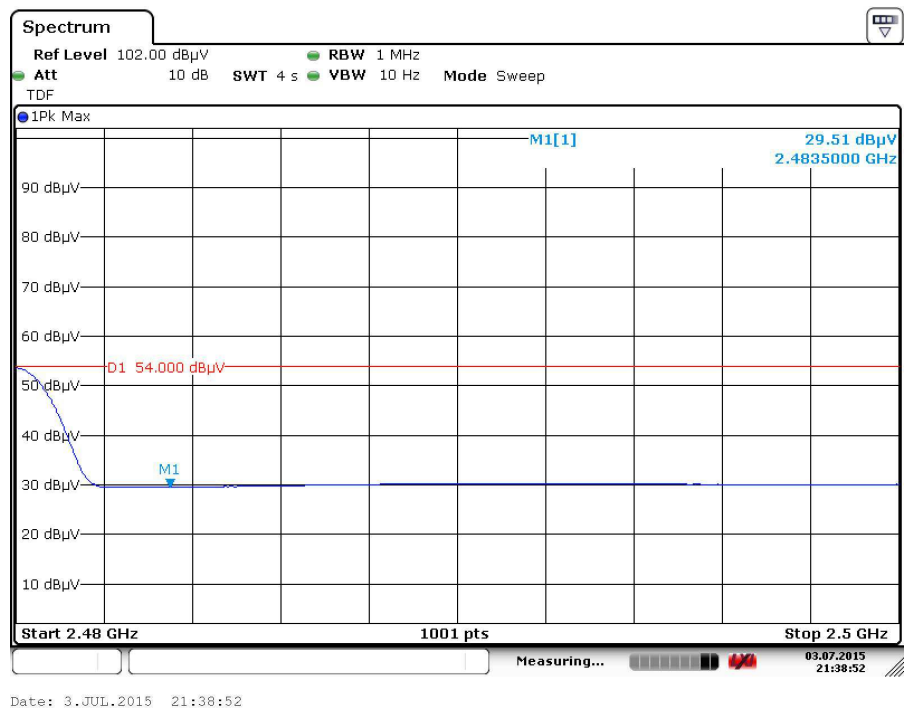
Radiated Bandedge (GFSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

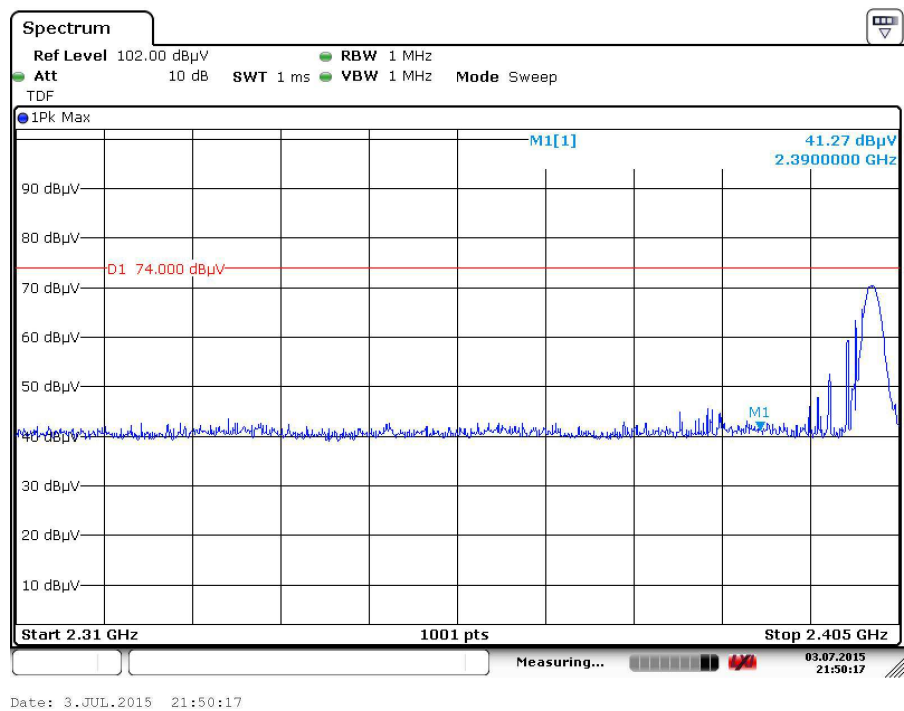
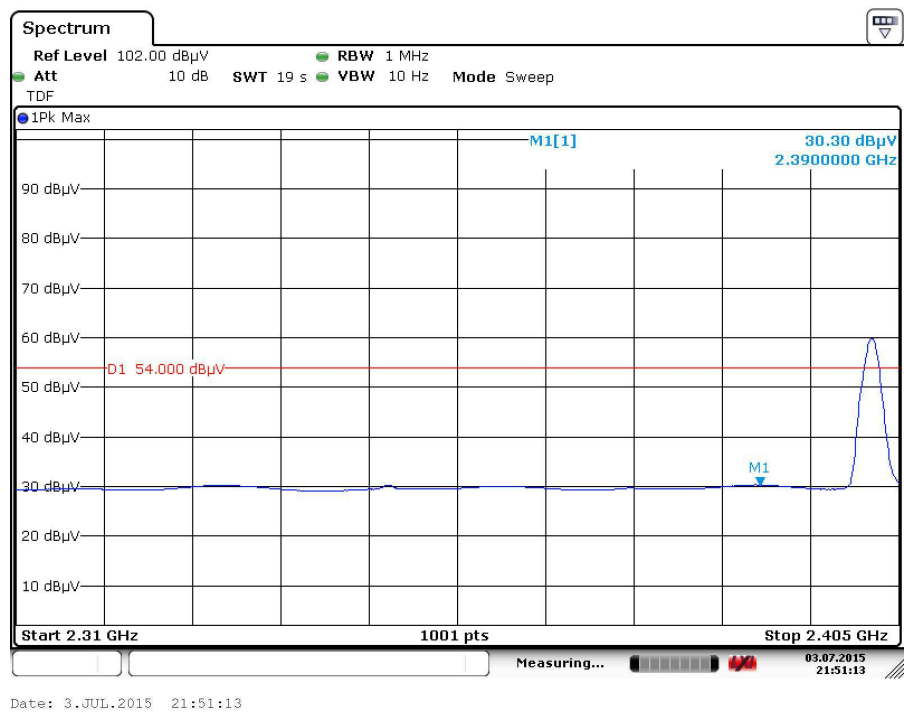
High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

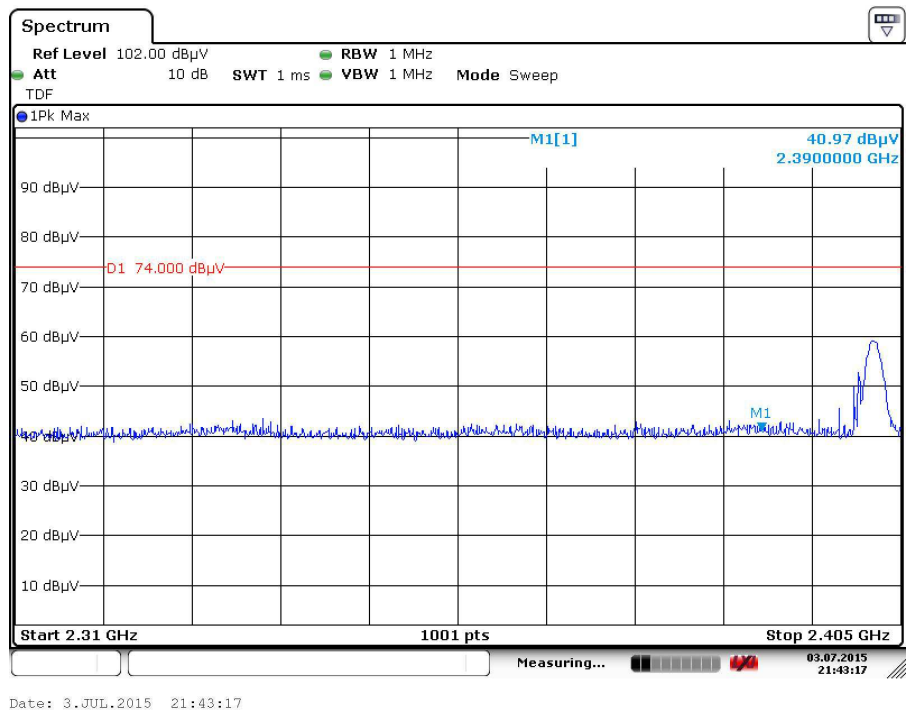
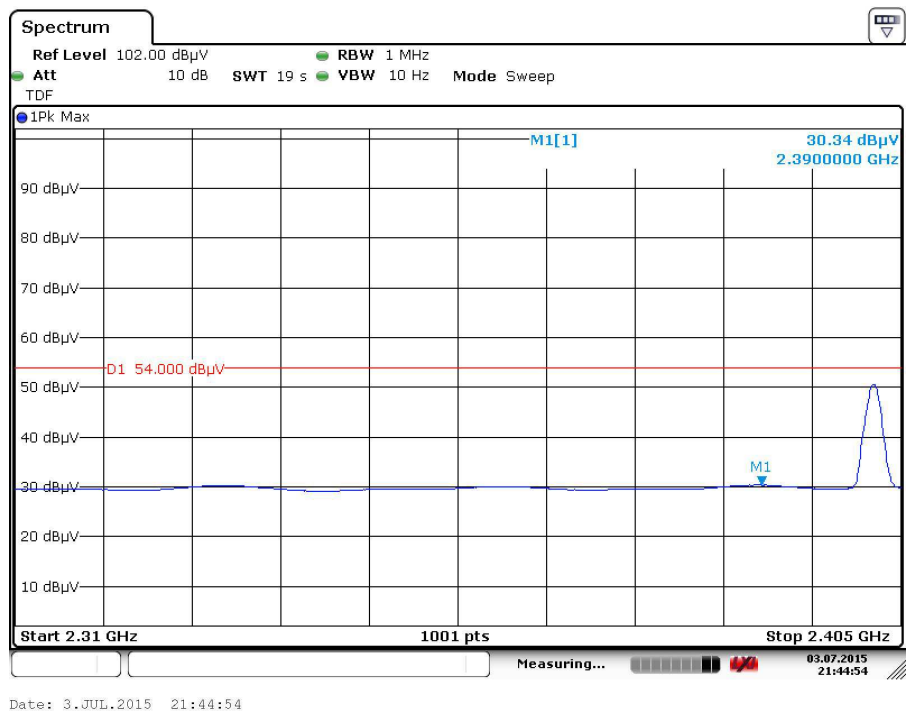
Radiated Bandedge (8DPSK)

Low Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

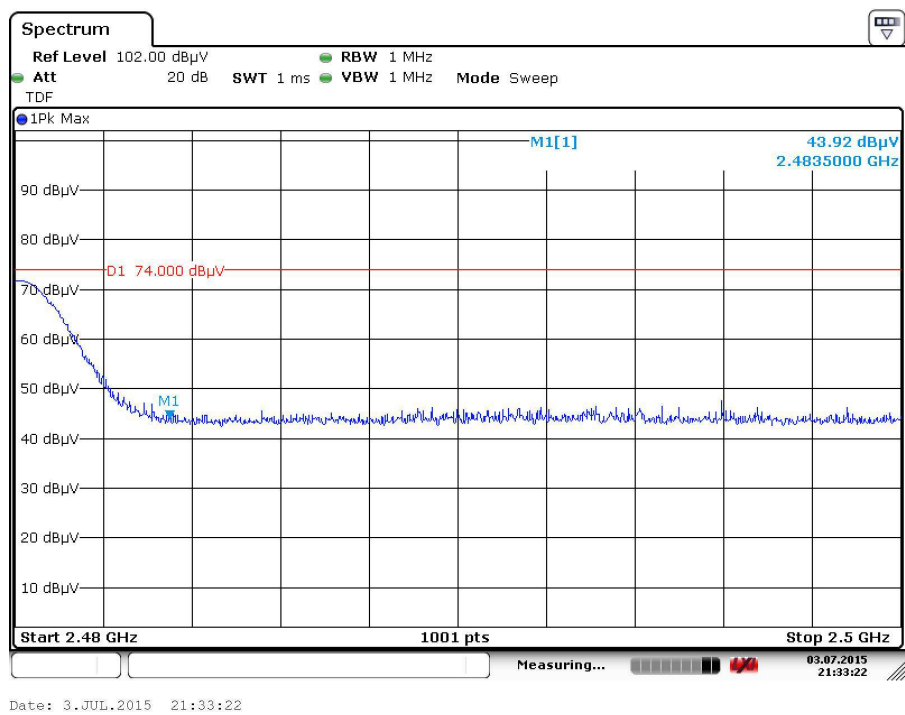
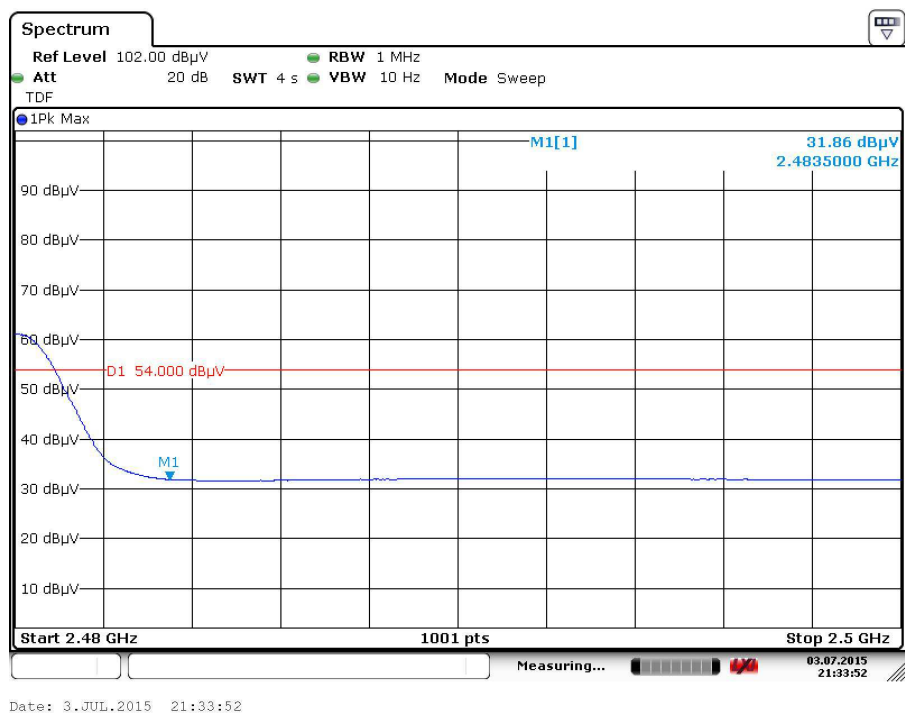
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

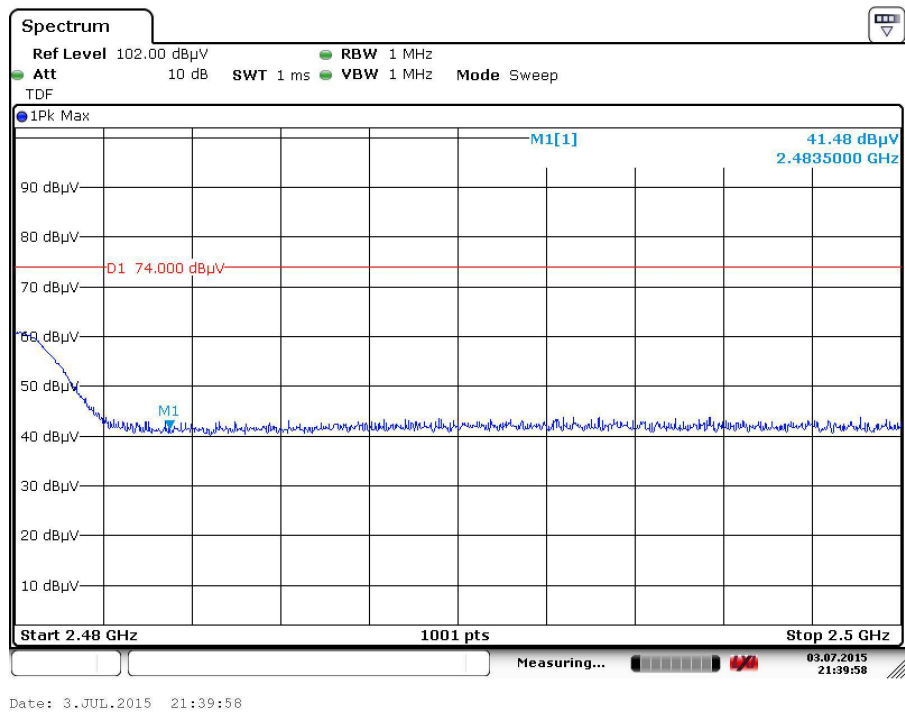
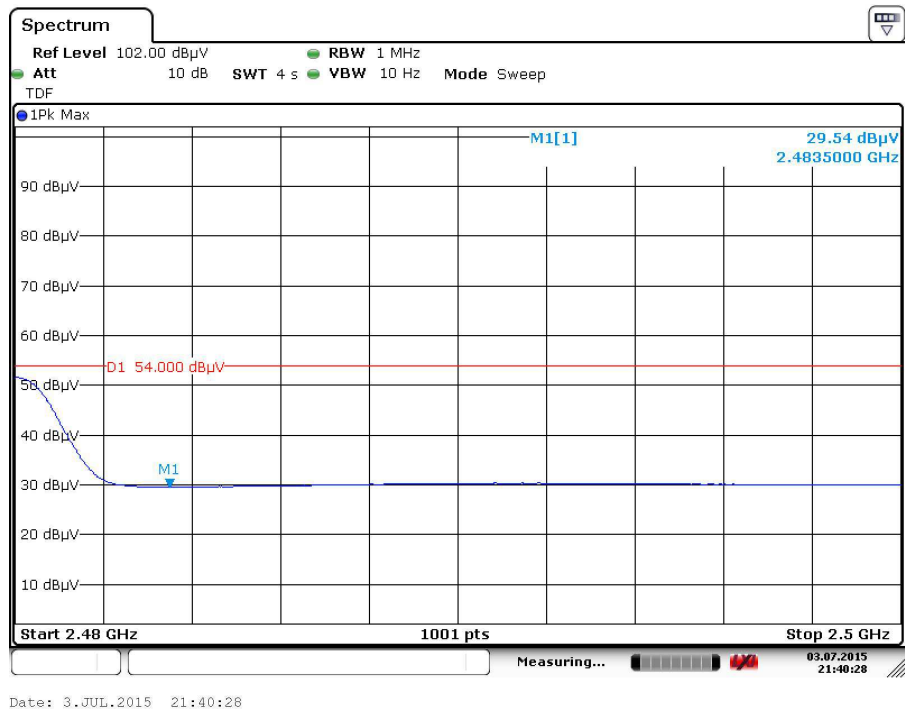
Radiated Bandedge (8DPSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

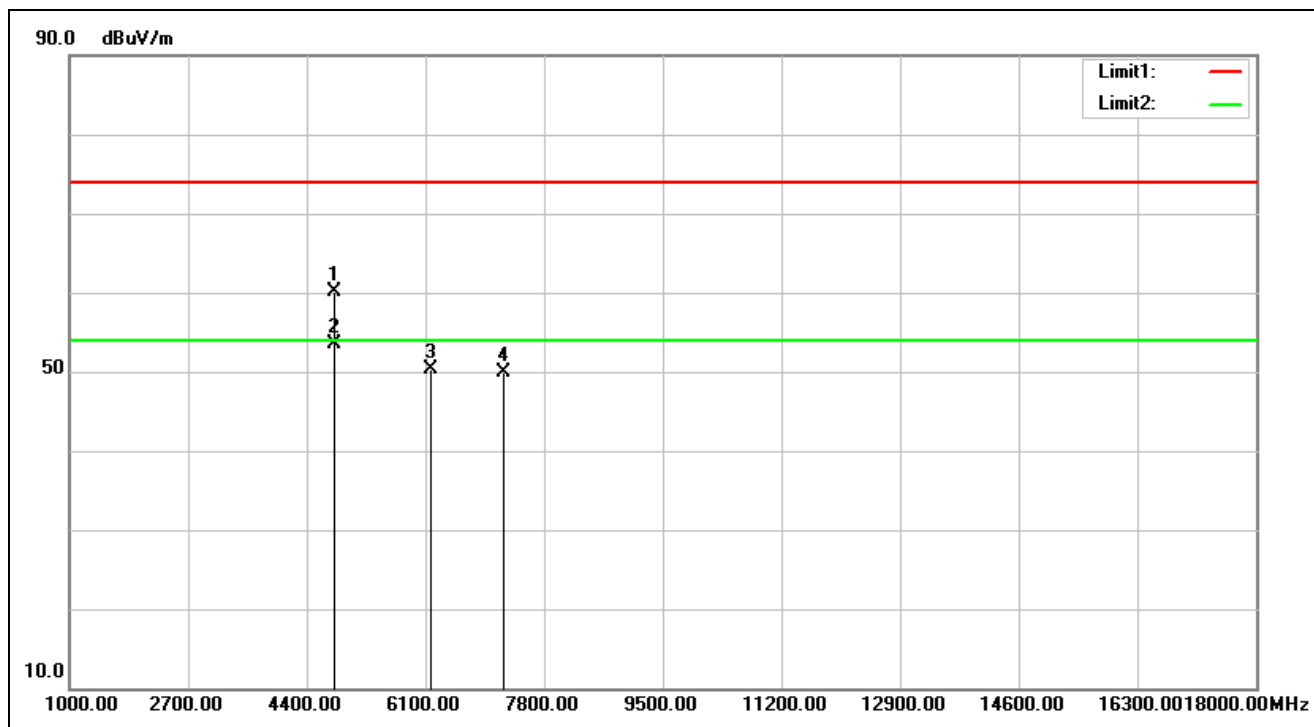
Spurious Emissions, TX Mode, 1-18G



TUV Taiwan

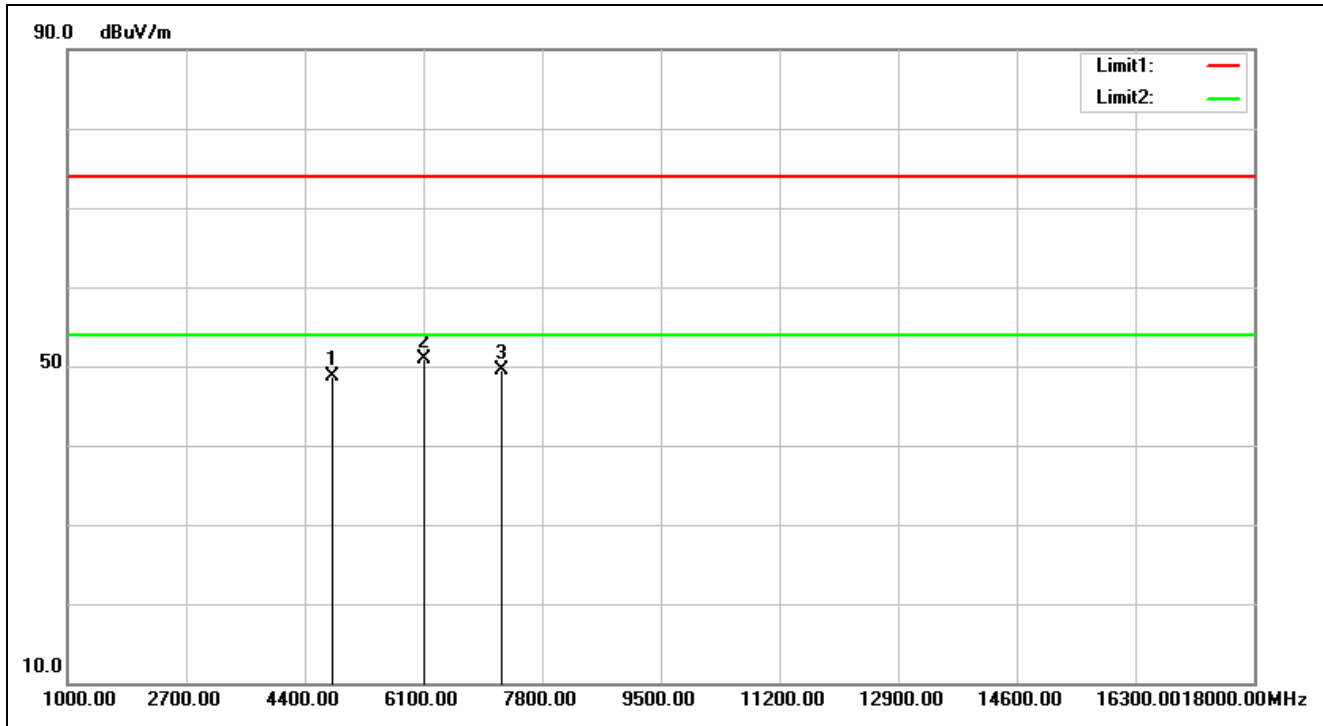
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



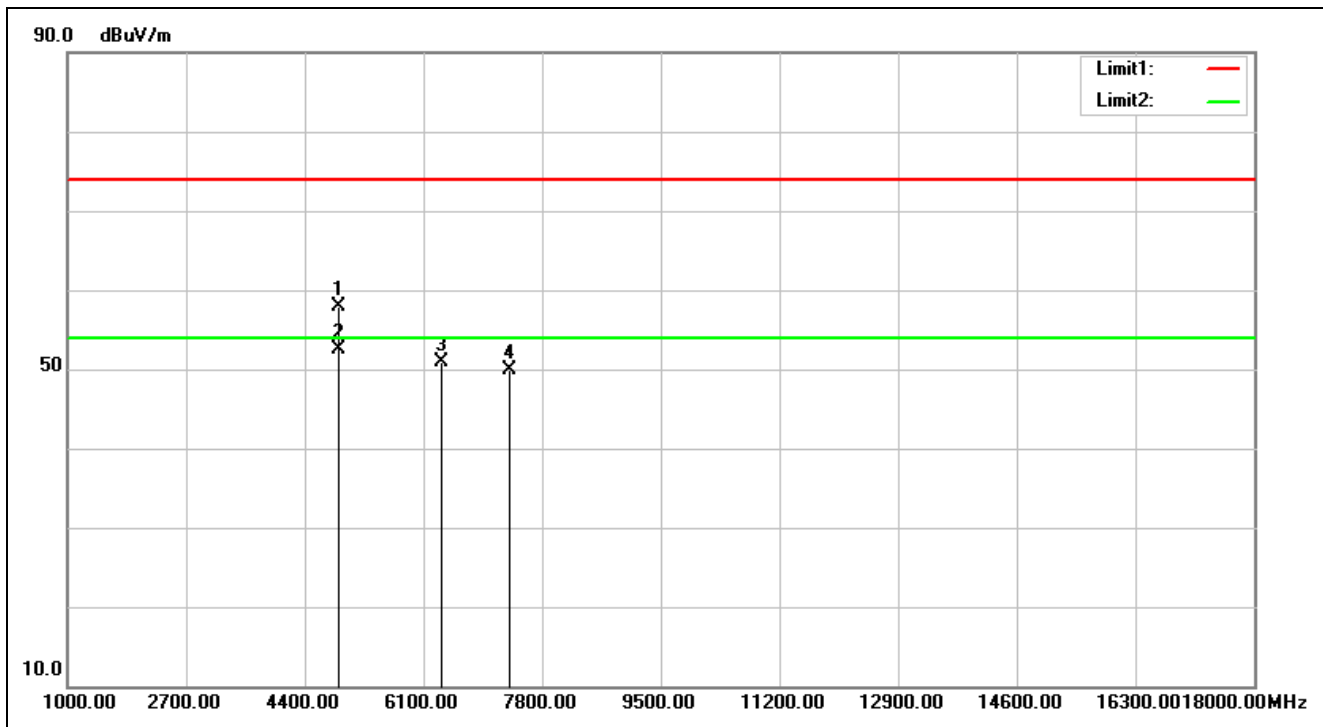
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Test item:	Radiation Emission	Test Time:	2015/7/1 19:33:32
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2402-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.35	62.42	60.07	74.00	-13.93	peak	100	56	
2	4804.000	-2.35	55.92	53.57	54.00	-0.43	AVG	100	56	
3	6185.000	4.81	45.42	50.23	74.00	-23.77	peak	100	51	
4	7206.000	5.78	44.05	49.83	74.00	-24.17	peak			



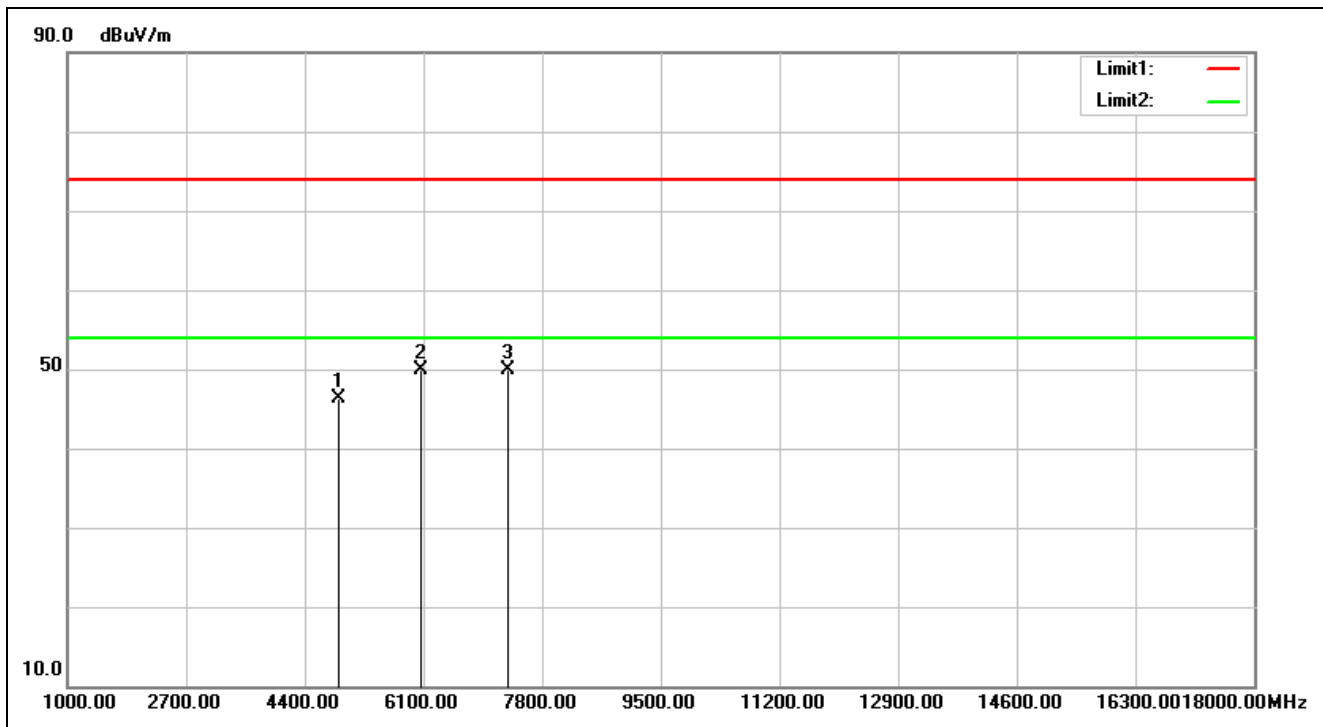
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/1 19:34:35
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2402-TX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.35	50.97	48.62	74.00	-25.38	peak			
2	6117.000	4.53	46.28	50.81	74.00	-23.19	peak	100	217	
3	7206.000	5.78	43.71	49.49	74.00	-24.51	peak			



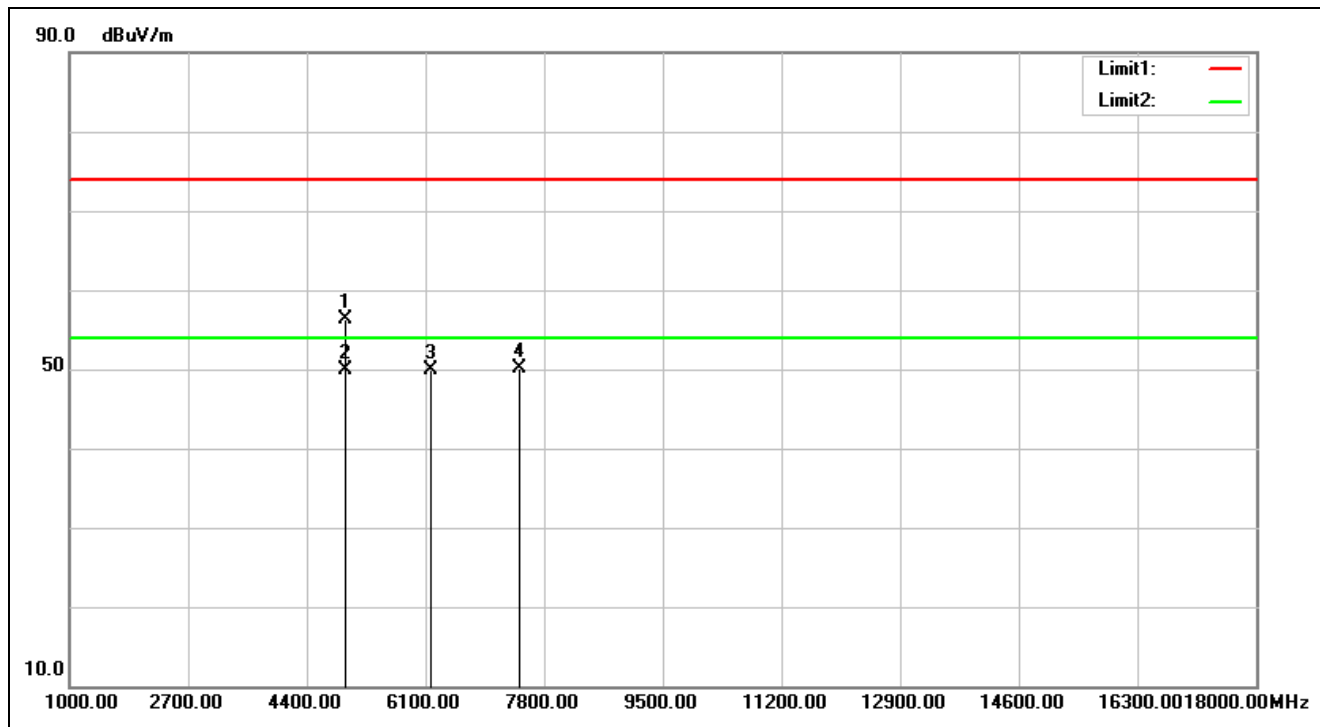
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Test item:	Radiation Emission	Test Time:	2015/7/1 19:26:53
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.16	60.03	57.87	74.00	-16.13	peak	100	45	
2	4882.000	-2.16	54.65	52.49	54.00	-1.51	AVG	100	45	
3	6355.000	5.47	45.37	50.84	74.00	-23.16	peak	100	145	
4	7323.000	6.13	43.86	49.99	74.00	-24.01	peak		0	



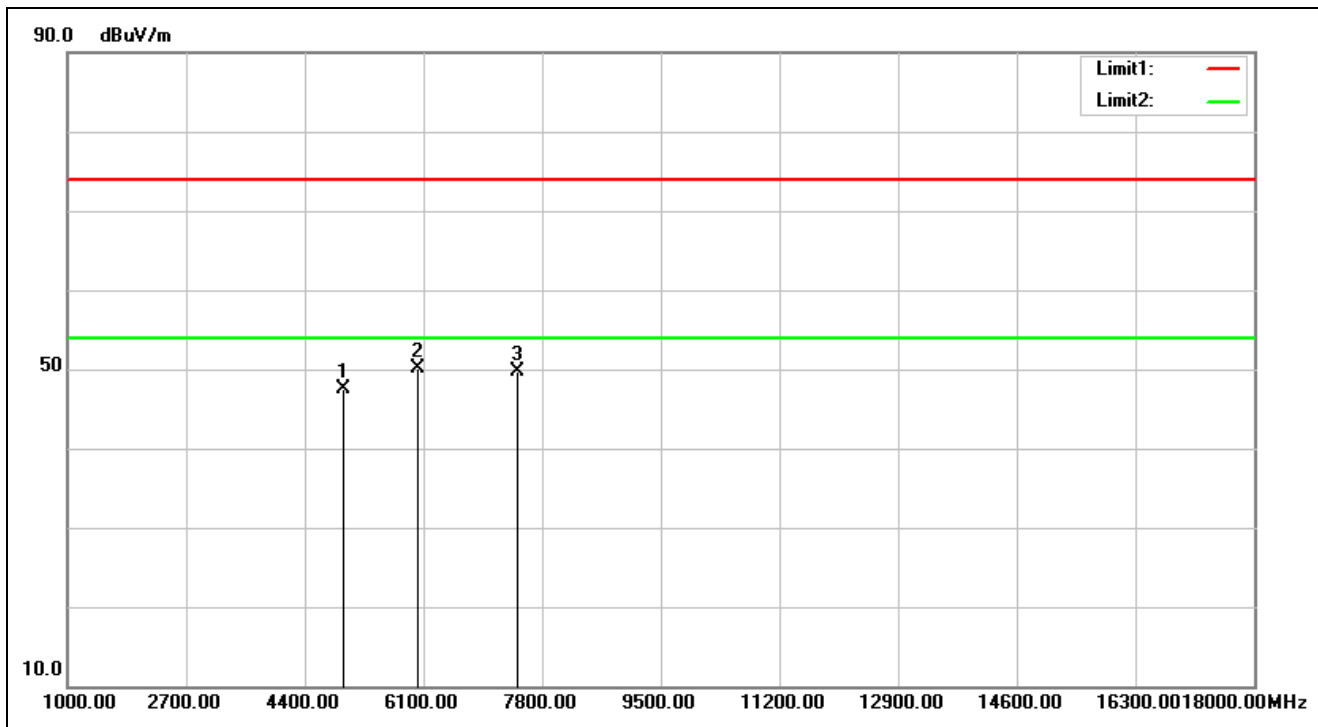
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Test item:	Radiation Emission	Test Time:	2015/7/1 19:30:25
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-TX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.16	48.44	46.28	74.00	-27.72	peak			
2	6066.000	4.34	45.49	49.83	74.00	-24.17	peak	100	81	
3	7323.000	6.13	43.79	49.92	74.00	-24.08	peak			



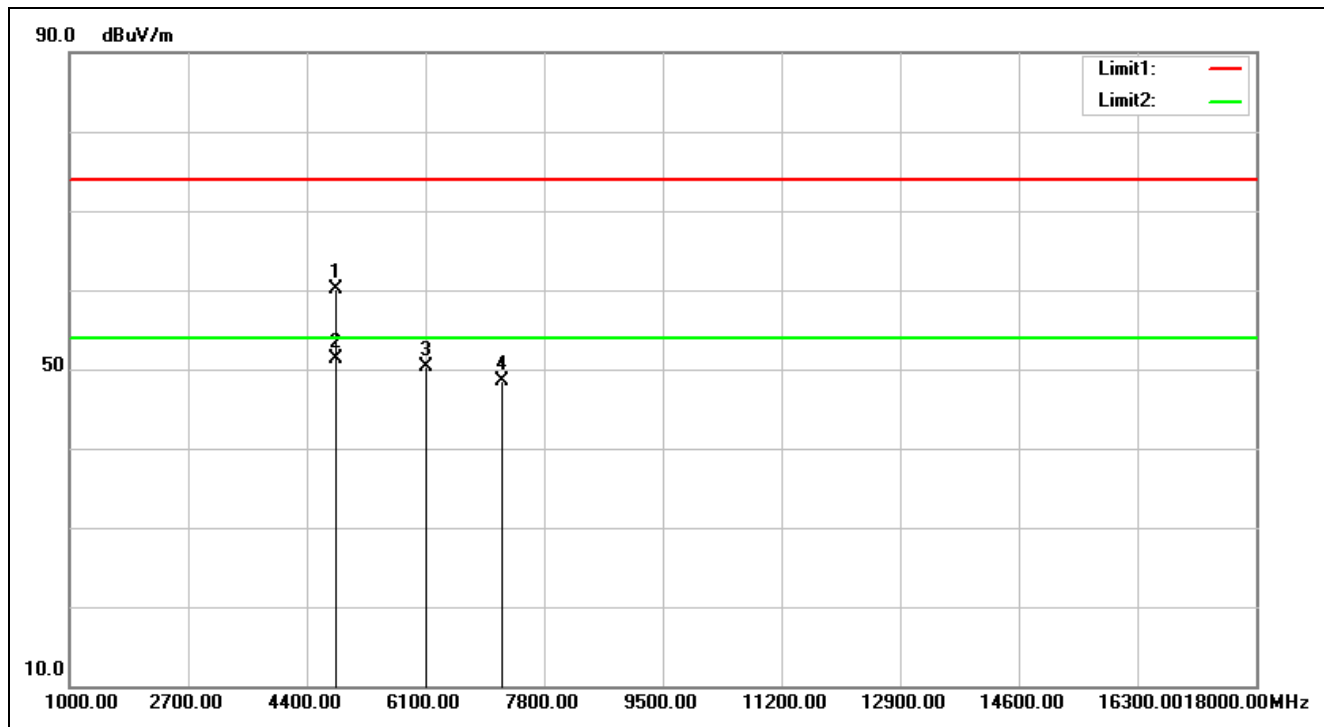
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Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2480-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.97	58.31	56.34	74.00	-17.66	peak	100	45	
2	4960.000	-1.97	51.95	49.98	54.00	-4.02	AVG	100	45	
3	6185.000	4.81	45.18	49.99	74.00	-24.01	peak	100	132	
4	7440.000	6.47	43.60	50.07	74.00	-23.93	peak			



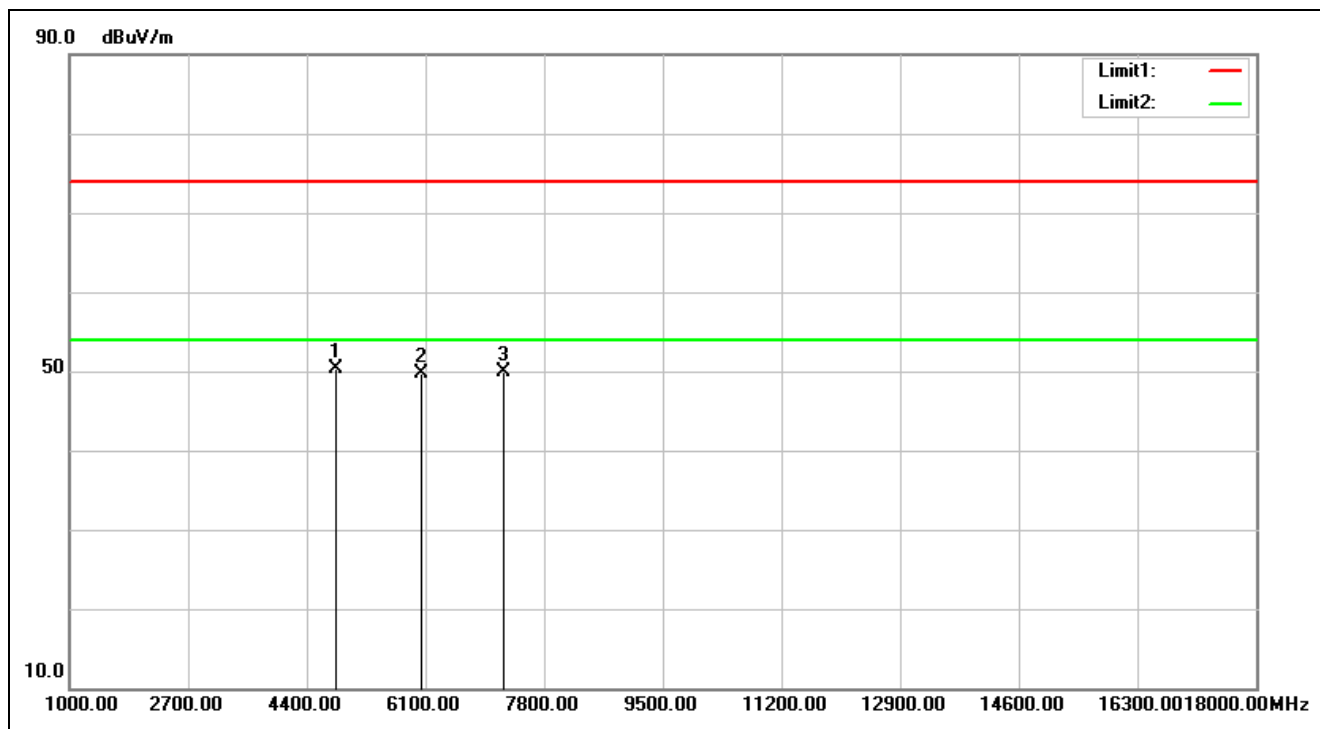
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/1 19:40:35
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2480-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.97	49.38	47.41	74.00	-26.59	peak			
2	6015.000	4.14	45.93	50.07	74.00	-23.93	peak	100	212	
3	7440.000	6.47	43.33	49.80	74.00	-24.20	peak			



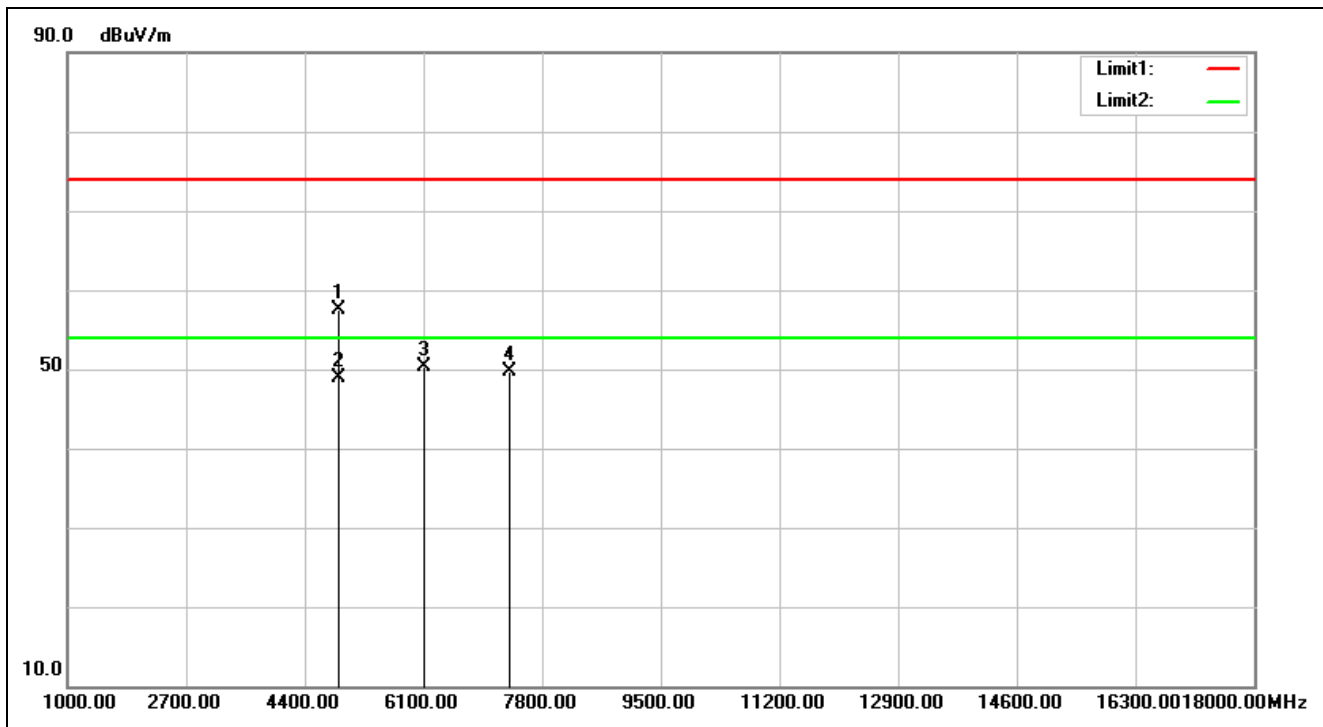
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/1 19:49:45
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2402-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.35	62.52	60.17	74.00	-13.83	peak	100	48	
2	4804.000	-2.35	53.56	51.21	54.00	-2.79	AVG	100	48	
3	6117.000	4.53	45.72	50.25	74.00	-23.75	peak	100	84	
4	7206.000	5.78	42.72	48.50	74.00	-25.50	peak			



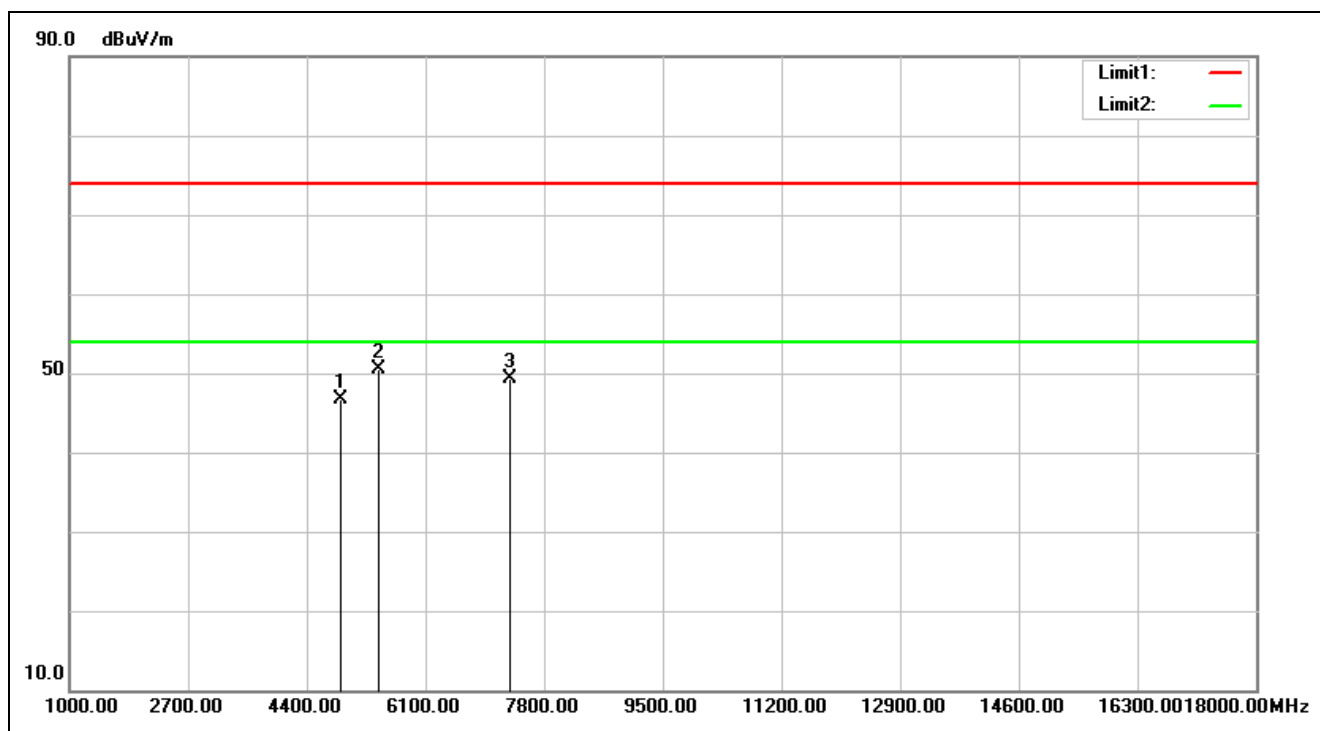
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/1 19:50:48
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2402-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.35	52.64	50.29	74.00	-23.71	peak			
2	6032.000	4.21	45.57	49.78	74.00	-24.22	peak	100	343	
3	7206.000	5.78	44.03	49.81	74.00	-24.19	peak			



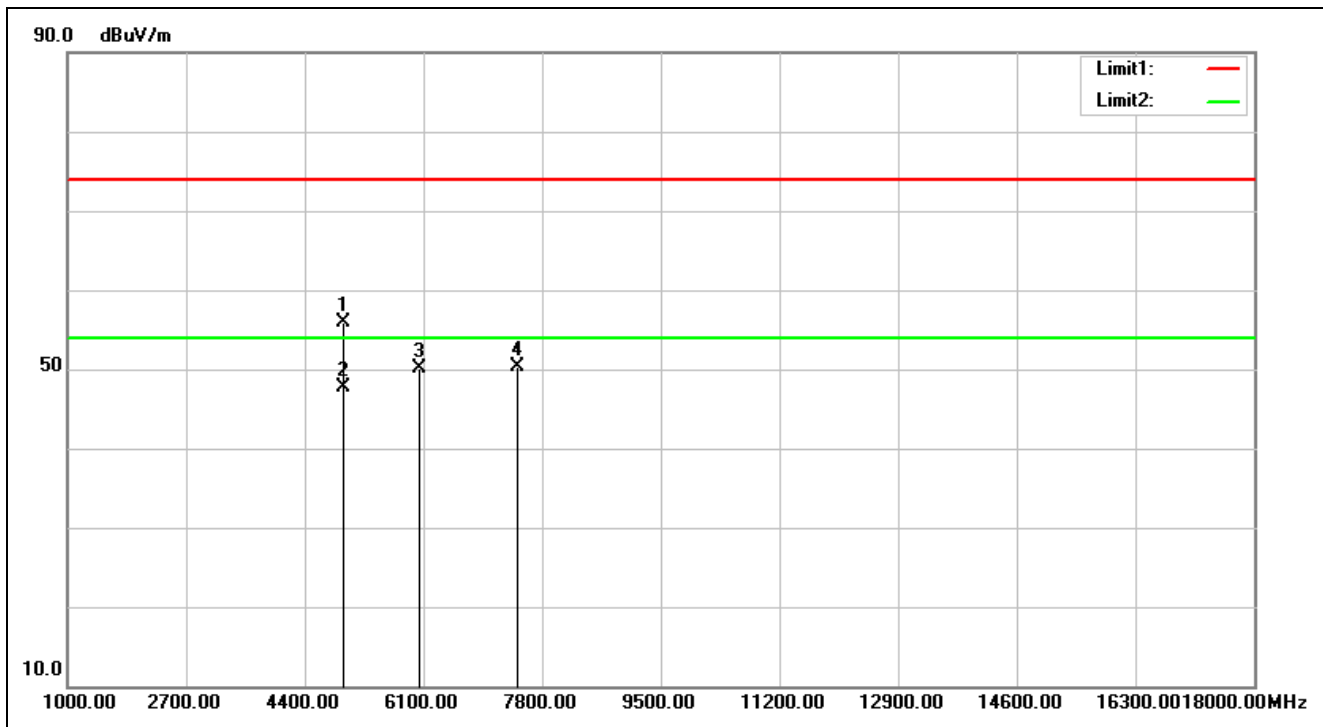
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/1 19:54:45
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2441-TX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.16	59.57	57.41	74.00	-16.59	peak	100	39	
2	4882.000	-2.16	51.04	48.88	54.00	-5.12	AVG	100	39	
3	6100.000	4.47	45.93	50.40	74.00	-23.60	peak	100	84	
4	7323.000	6.13	43.56	49.69	74.00	-24.31	peak			



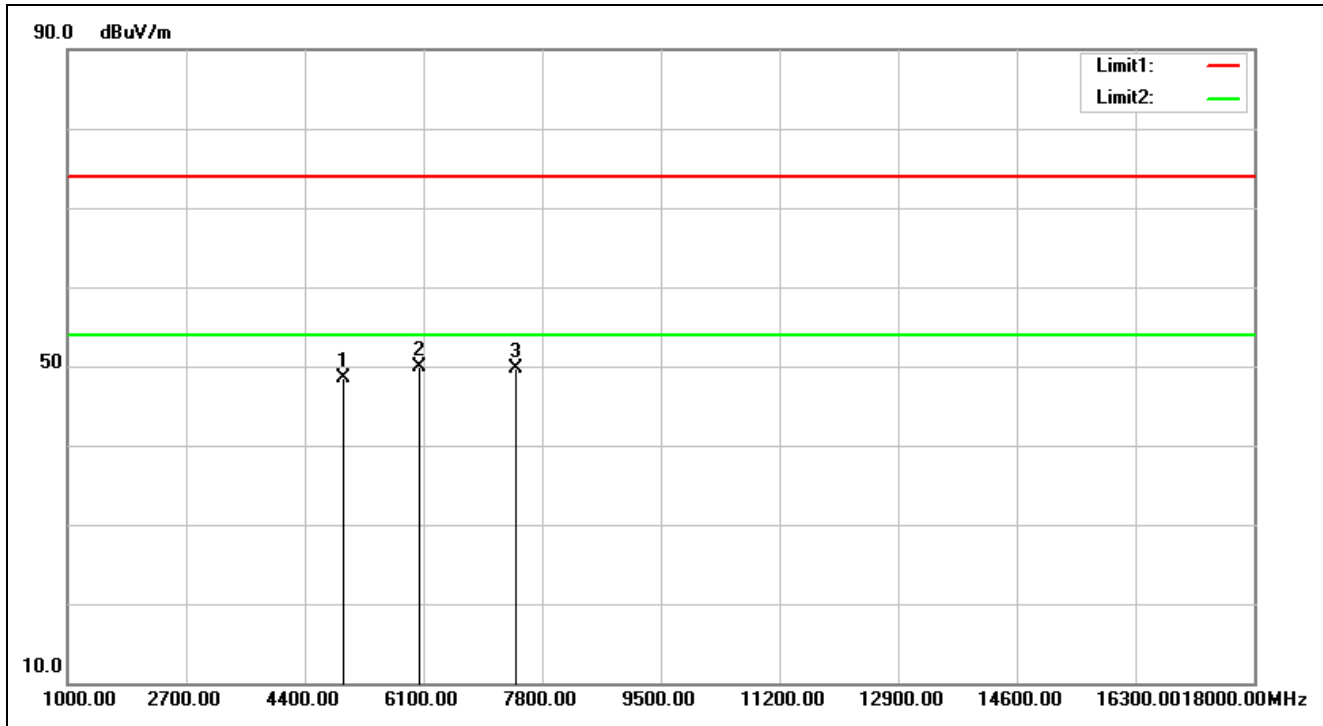
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/1 19:55:47
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2441-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.16	48.85	46.69	74.00	-27.31	peak			
2	5420.000	0.39	50.03	50.42	74.00	-23.58	peak	100	357	
3	7323.000	6.13	43.18	49.31	74.00	-24.69	peak			



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/1 19:45:32
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2480-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4961.000	-1.97	57.97	56.00	74.00	-18.00	peak	100	56	
2	4961.000	-1.97	49.61	47.64	54.00	-6.36	AVG	100	56	
3	6032.000	4.21	45.91	50.12	74.00	-23.88	peak	100	206	
4	7440.000	6.47	43.84	50.31	74.00	-23.69	peak			



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/1 19:46:34
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2480-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.97	50.50	48.53	74.00	-25.47	peak			
2	6032.000	4.21	45.70	49.91	74.00	-24.09	peak	100	326	
3	7440.000	6.47	43.15	49.62	74.00	-24.38	peak			

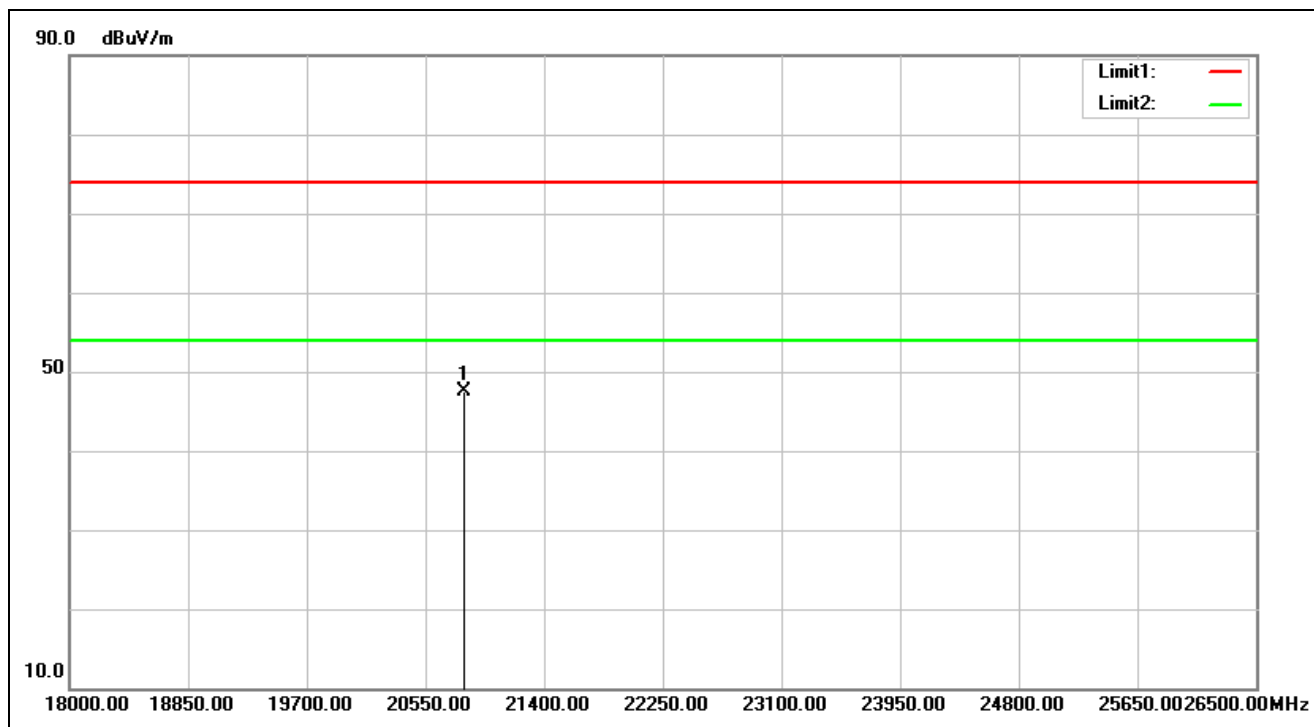
Spurious Emissions, TX Mode, 18-26G



TUV Taiwan

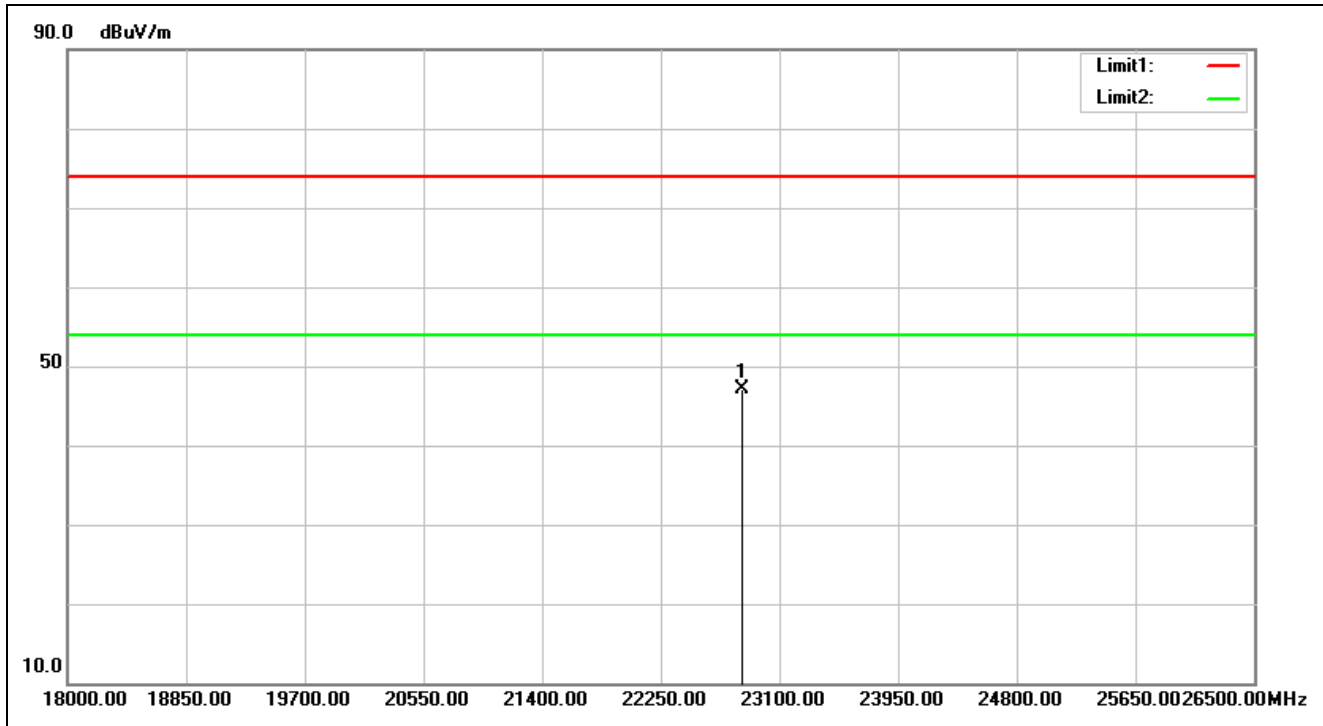
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



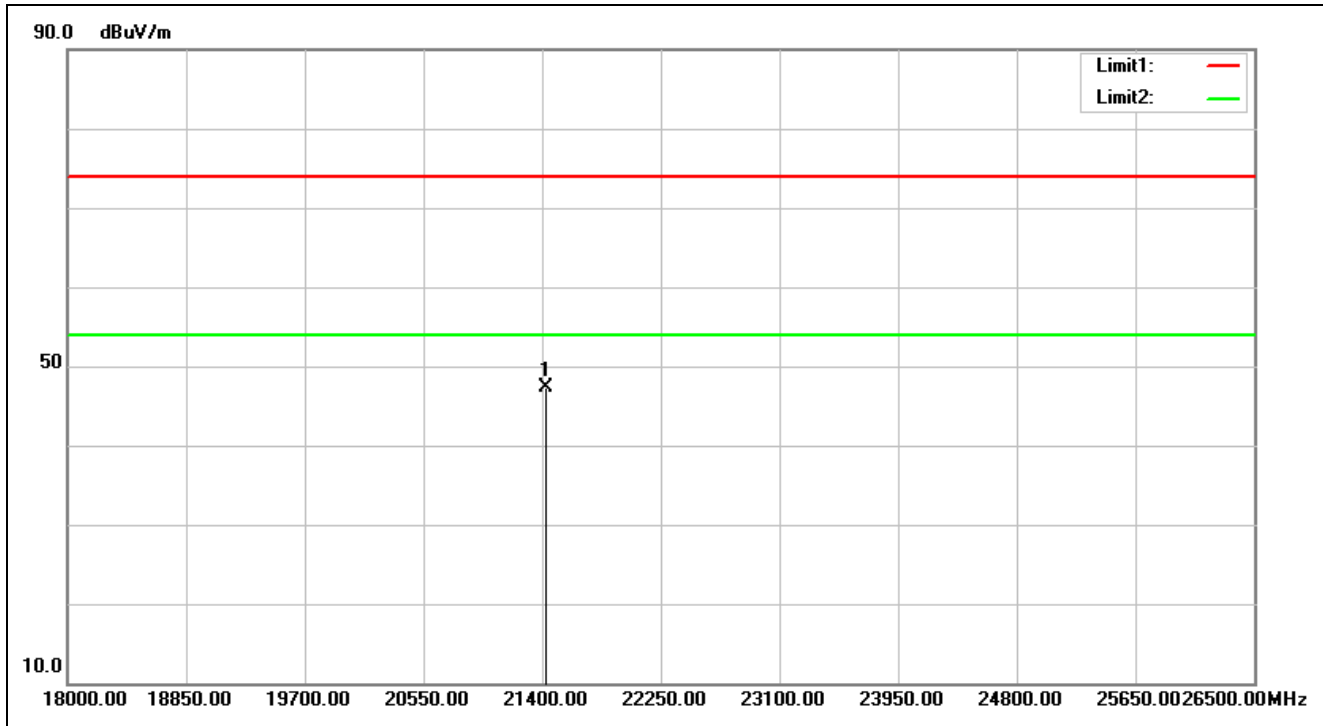
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:53:07
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2402-TX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20822.000	29.32	18.16	47.48	74.00	-26.52	peak		0	



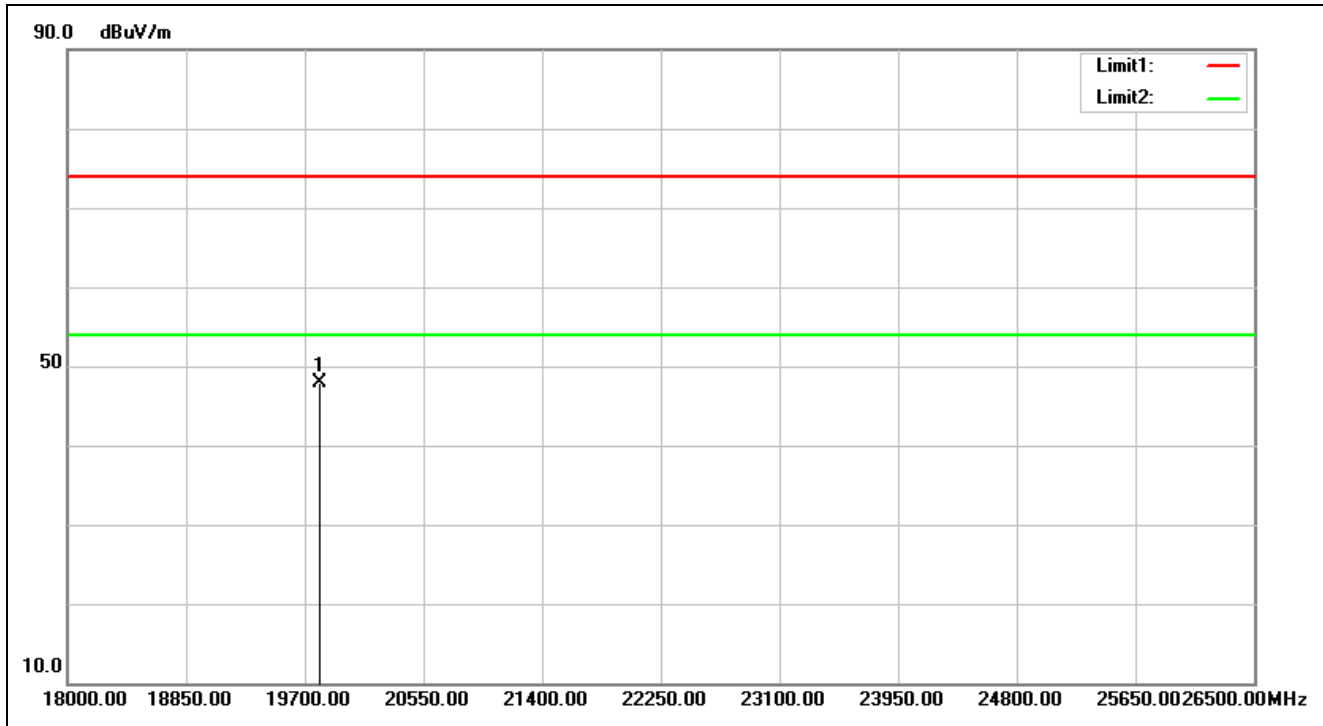
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:53:17
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2402-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22836.500	29.69	17.44	47.13	74.00	-26.87	peak			



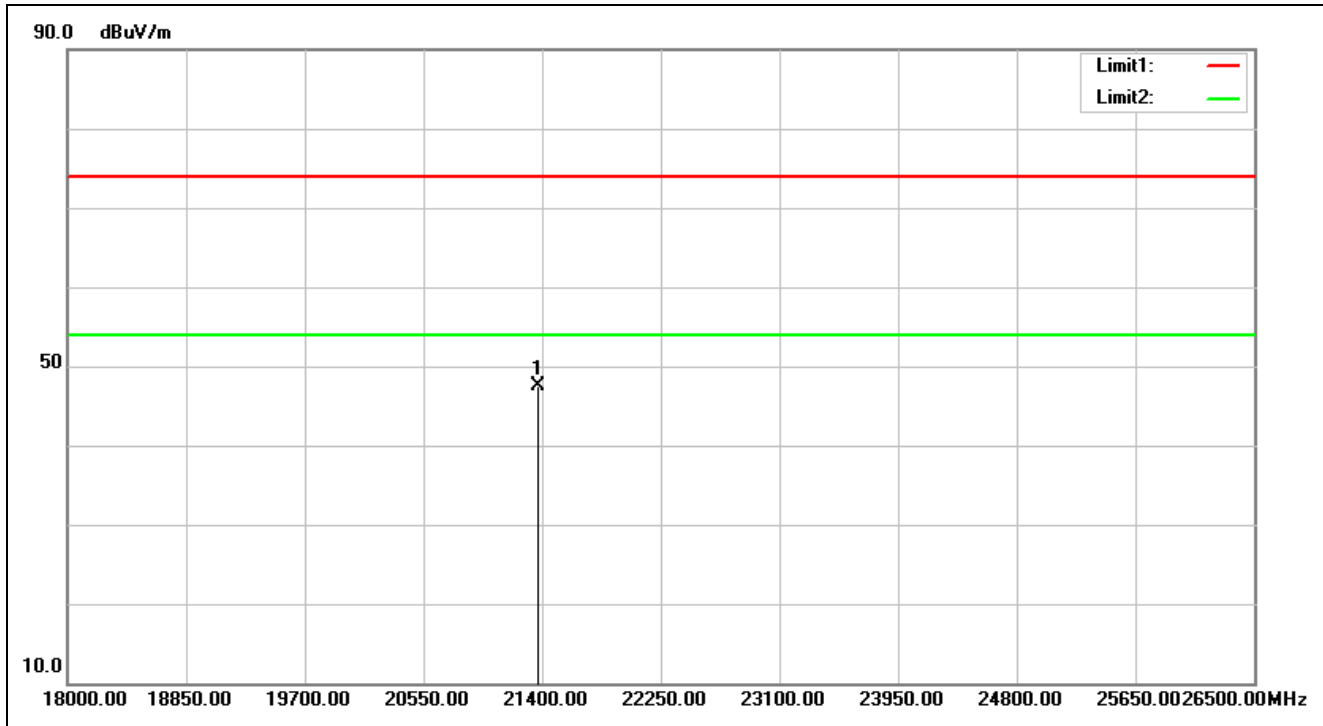
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Test item:	Radiation Emission	Test Time:	2015/7/3 21:53:29
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21425.500	28.98	18.36	47.34	74.00	-26.66	peak			



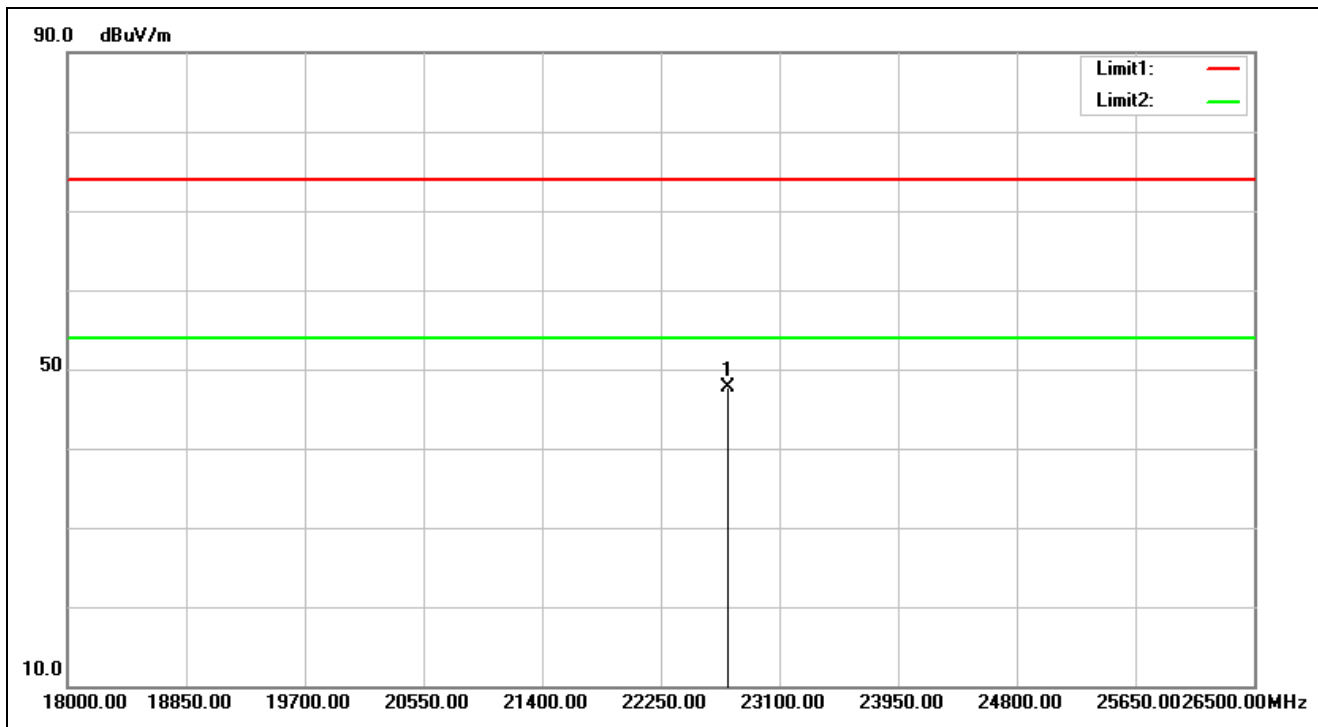
Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:53:49
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19802.000	28.93	18.95	47.88	74.00	-26.12	peak			



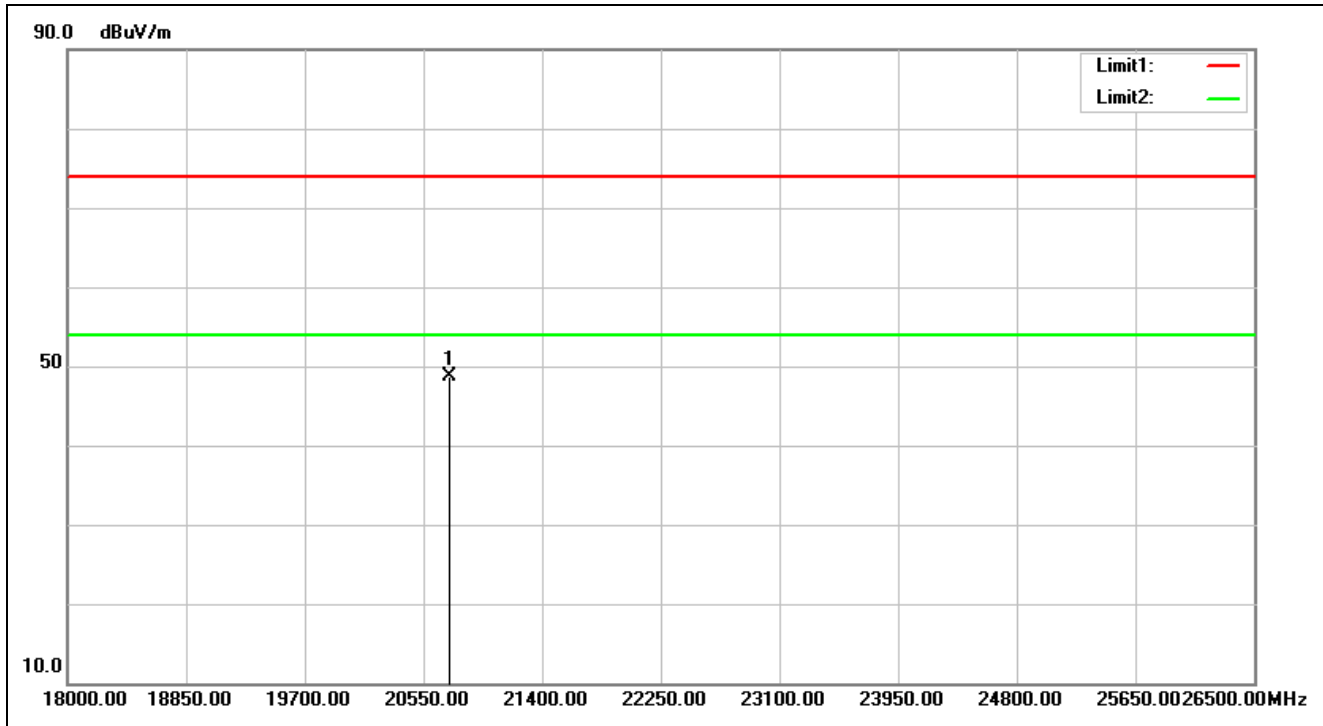
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:54:06
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2480-TX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21366.000	29.03	18.42	47.45	74.00	-26.55	peak			



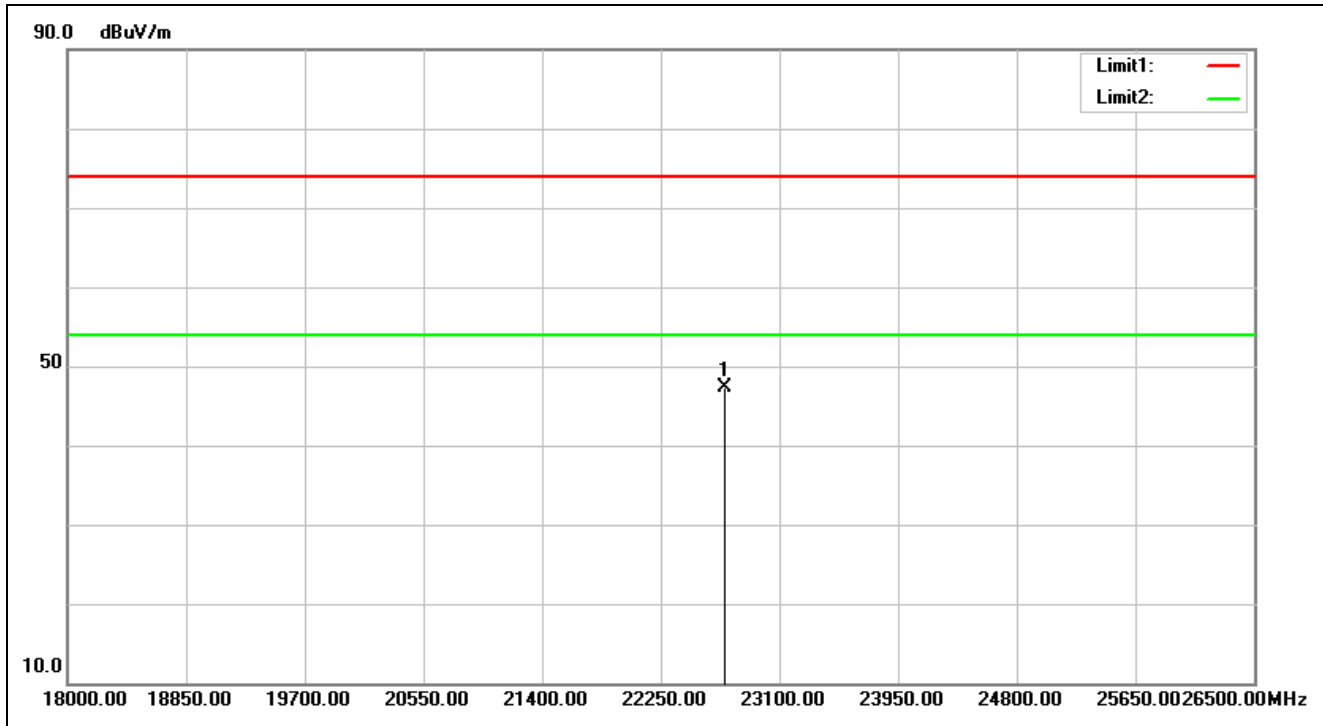
Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:54:17
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2480-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22726.000	29.55	18.11	47.66	74.00	-26.34	peak			



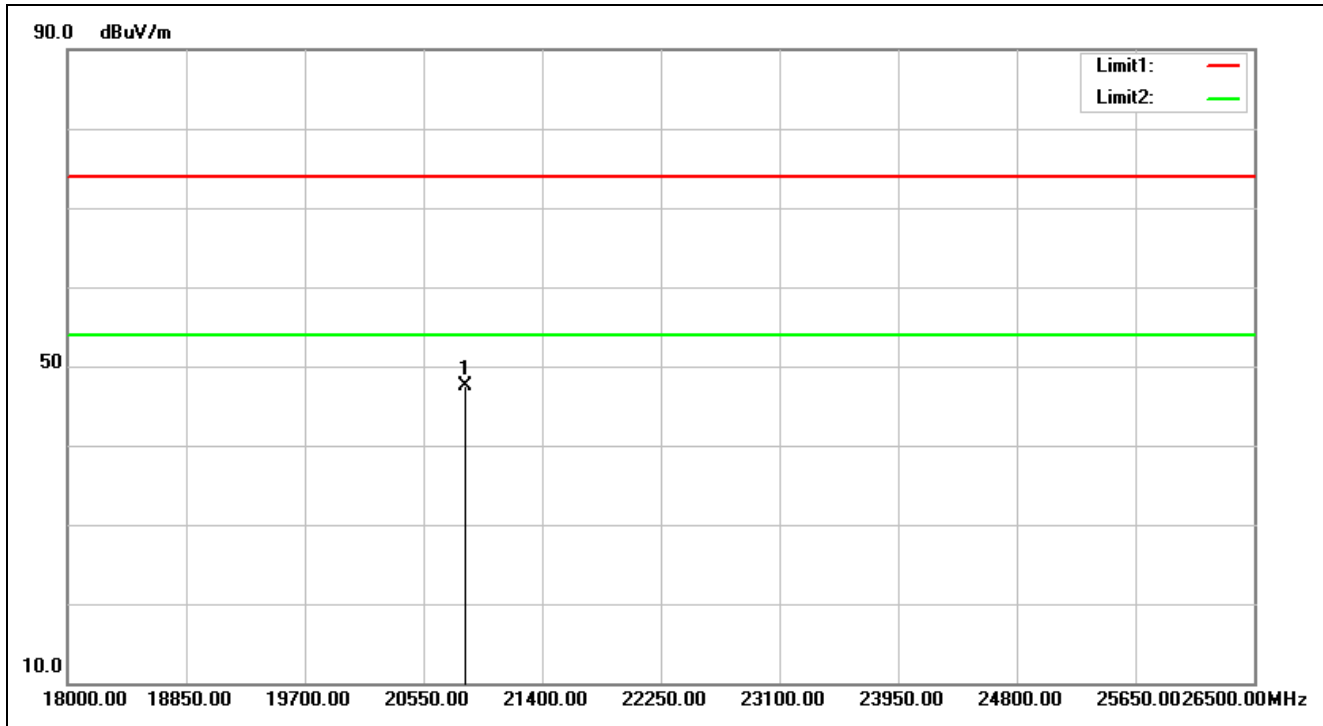
Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:54:32
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2402-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20737.000	29.30	19.50	48.80	74.00	-25.20	peak			



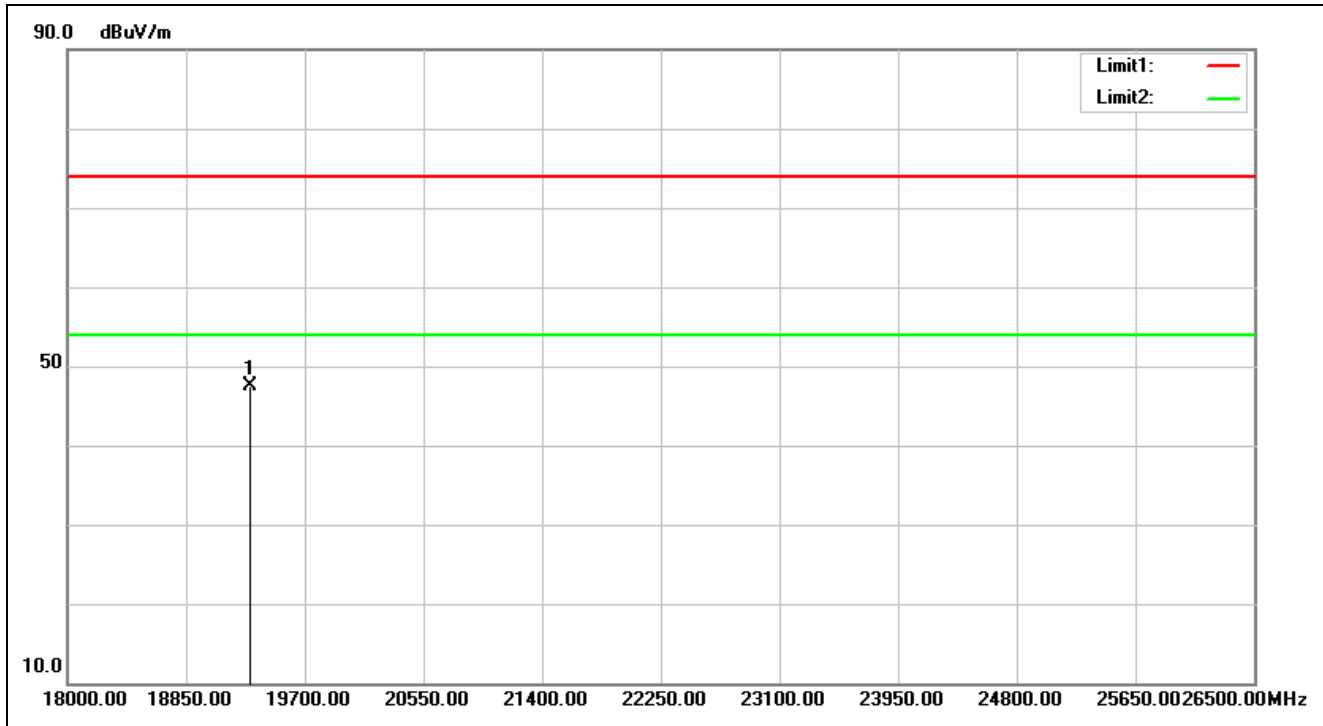
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:54:40
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2402-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22709.000	29.52	17.77	47.29	74.00	-26.71	peak			



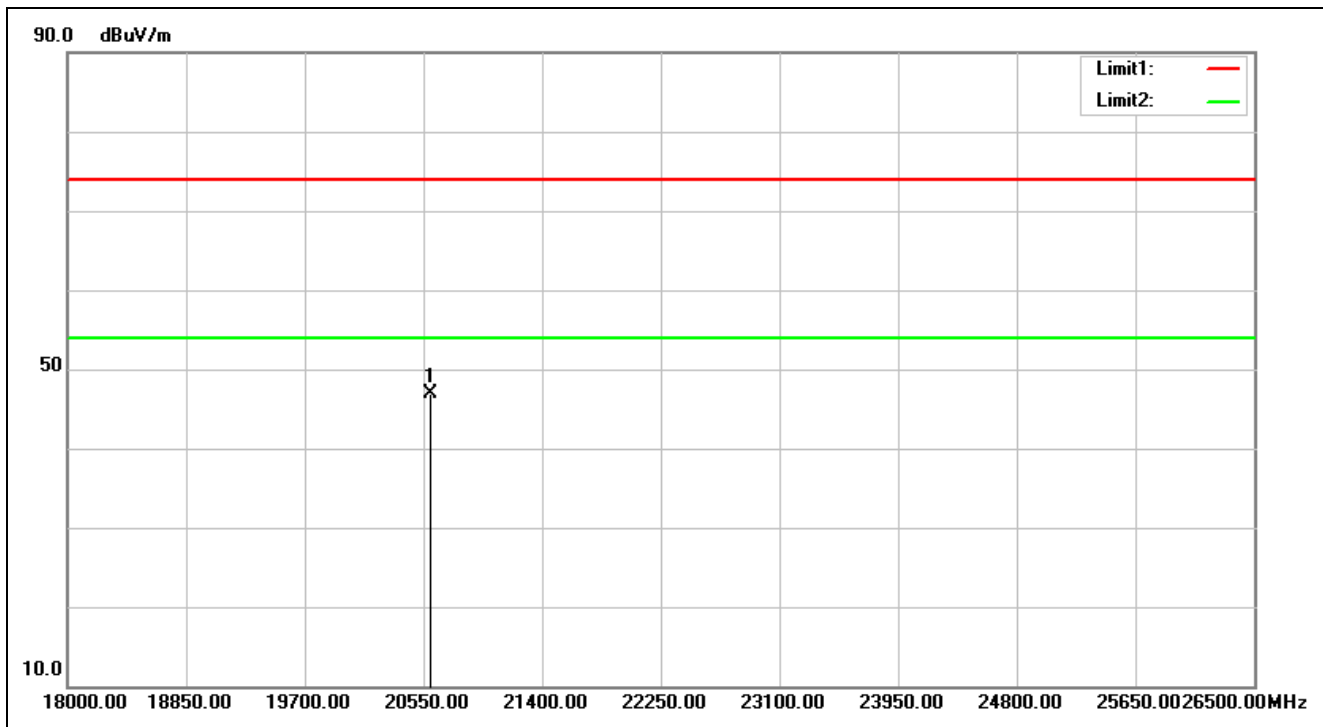
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:54:53
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2441-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20847.500	29.32	18.10	47.42	74.00	-26.58	peak			



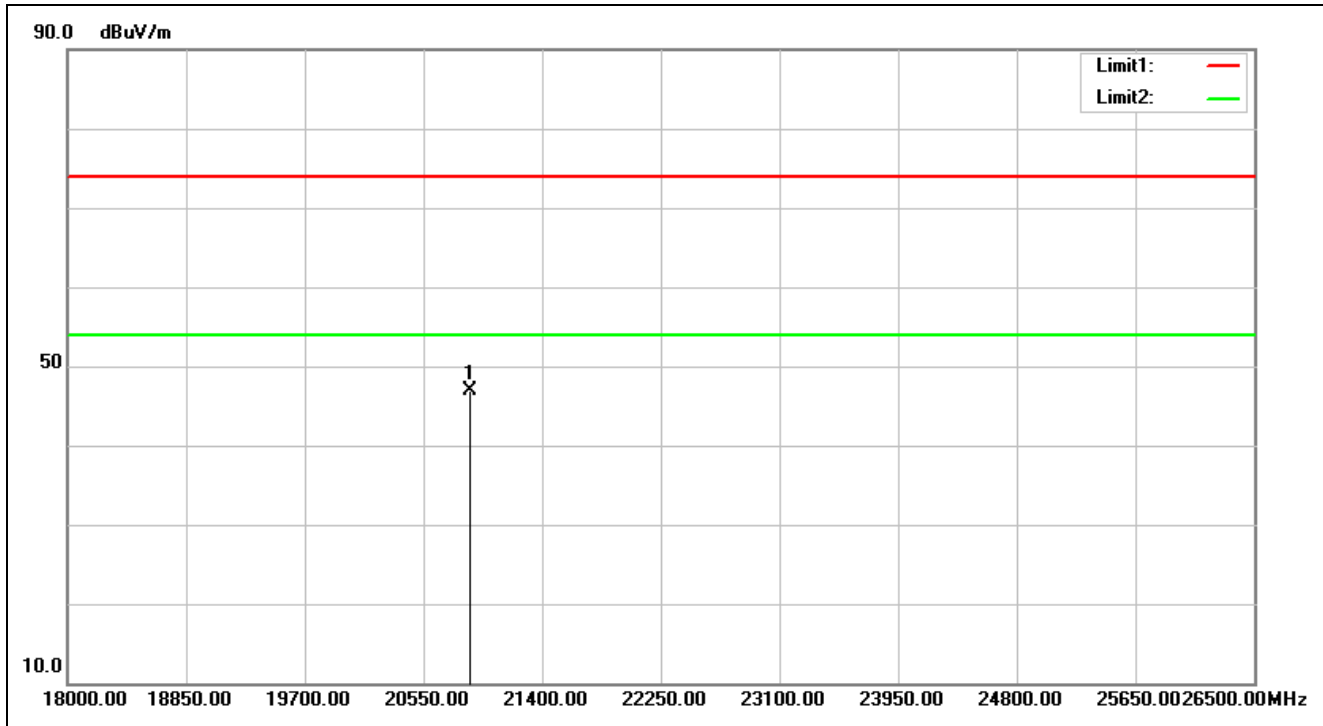
Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:55:02
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2441-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19309.000	28.93	18.64	47.57	74.00	-26.43	peak			



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:55:14
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2480-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20601.000	29.27	17.56	46.83	74.00	-27.17	peak			



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:55:22
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	3DH5-2480-TX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20881.500	29.33	17.55	46.88	74.00	-27.12	peak			

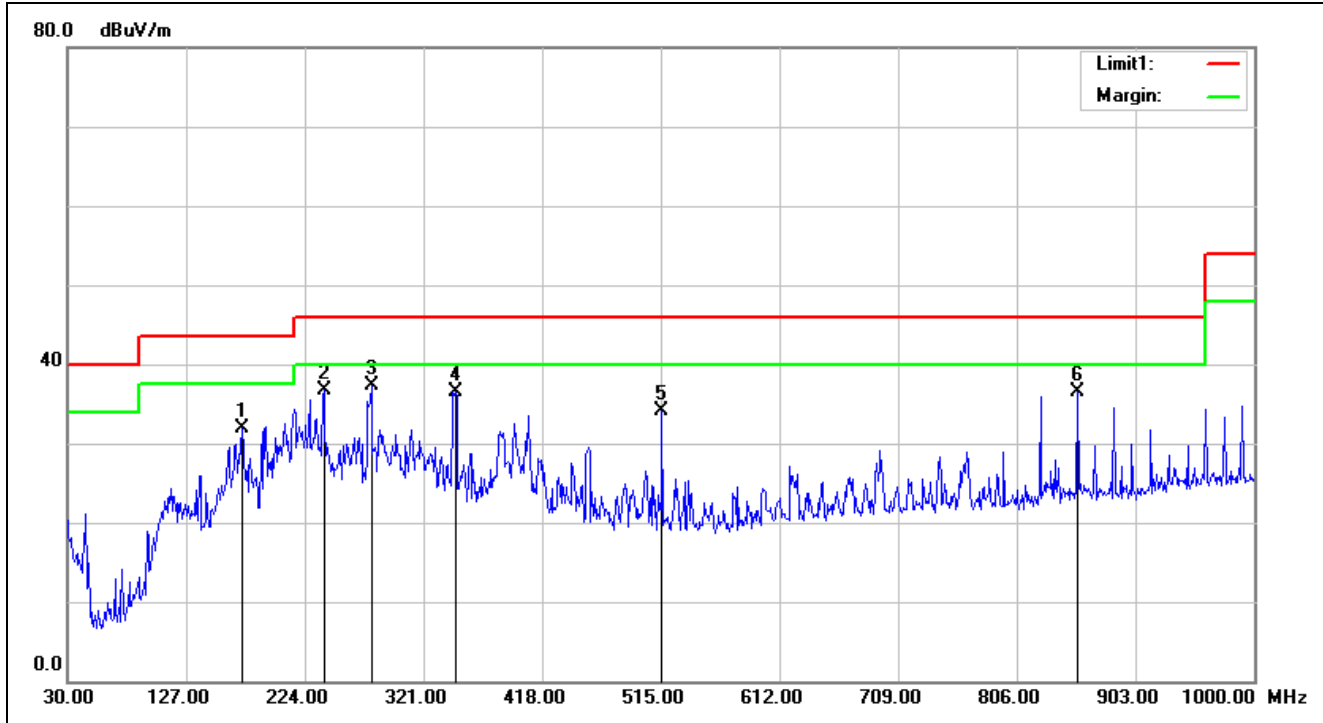
Spurious Emissions, TX Mode, 30M-1G



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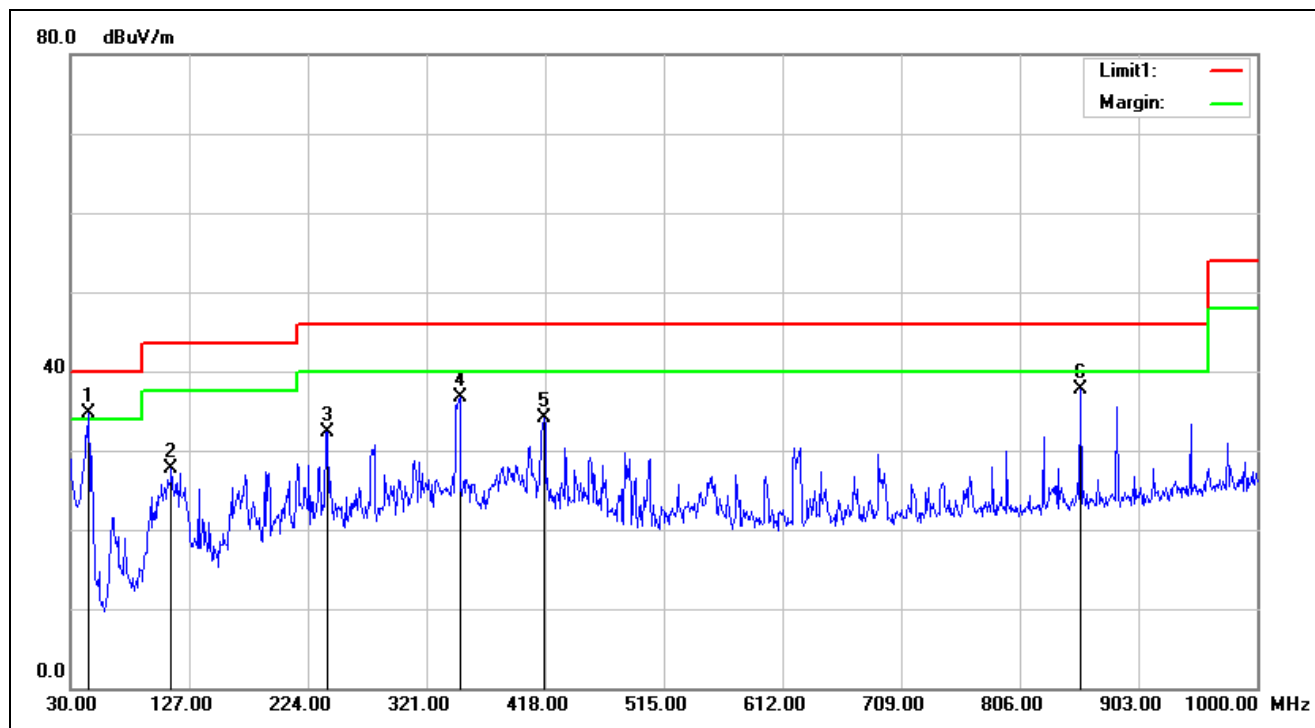
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 19:13:04
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-TX		
Remark:	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	172.5900	-14.98	46.95	31.97	43.50	-11.53	QP	100	242	
2	239.5200	-12.73	49.35	36.62	46.00	-9.38	QP	100	245	
3	278.3199	-11.13	48.44	37.31	46.00	-8.69	QP	100	258	
4	347.1899	-9.43	45.98	36.55	46.00	-9.45	QP	100	303	
5	515.9699	-7.16	41.23	34.07	46.00	-11.93	QP	100	287	
6	855.4700	-2.41	38.98	36.57	46.00	-9.43	QP	100	53	

Spurious Emissions, RX Mode, 1-18G



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 19:14:07
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-TX		
Remark:	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	44.5500	-13.98	48.74	34.76	40.00	-5.24	QP	100	254	
2	112.4500	-13.40	41.13	27.73	43.50	-15.77	QP	100	203	
3	239.5200	-12.73	45.06	32.33	46.00	-13.67	QP	100	196	
4	348.1600	-9.42	46.21	36.79	46.00	-9.21	QP	100	201	
5	417.0300	-8.43	42.58	34.15	46.00	-11.85	QP	100	185	
6	855.4700	-2.41	40.06	37.65	46.00	-8.35	QP	100	257	

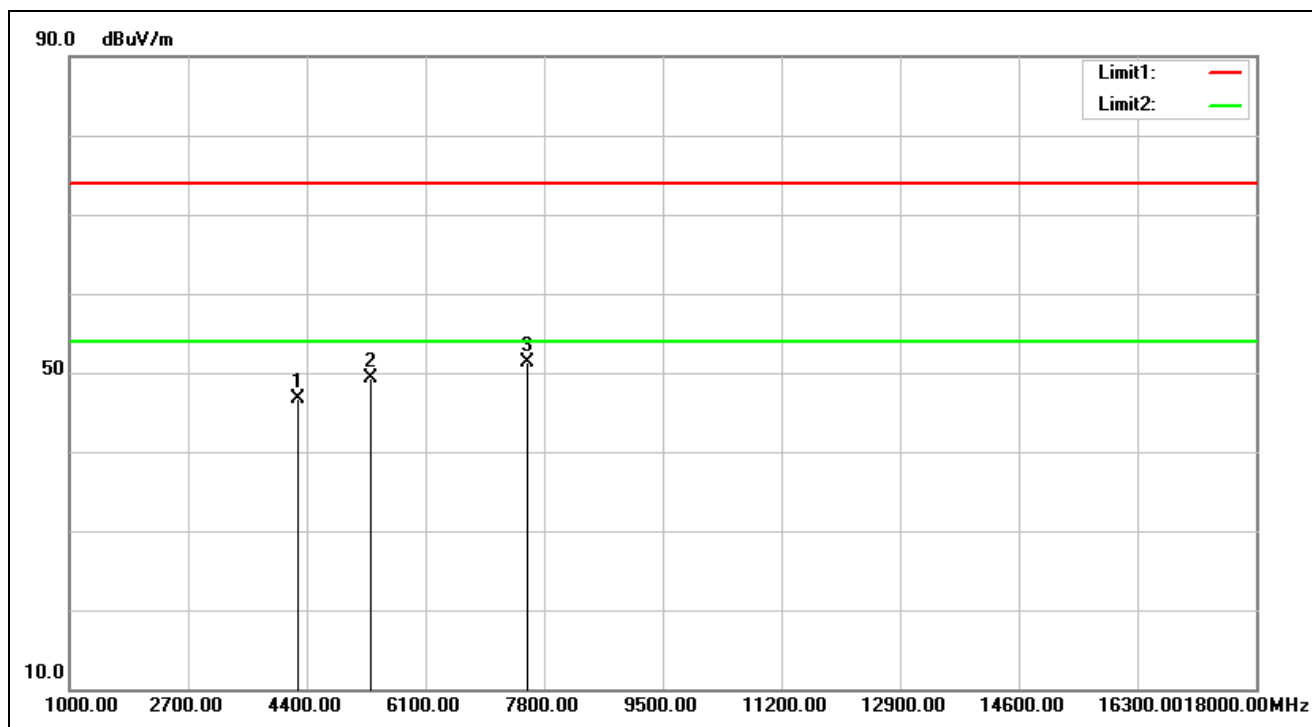
Spurious Emissions, RX Mode, 1-18G



TUV Taiwan

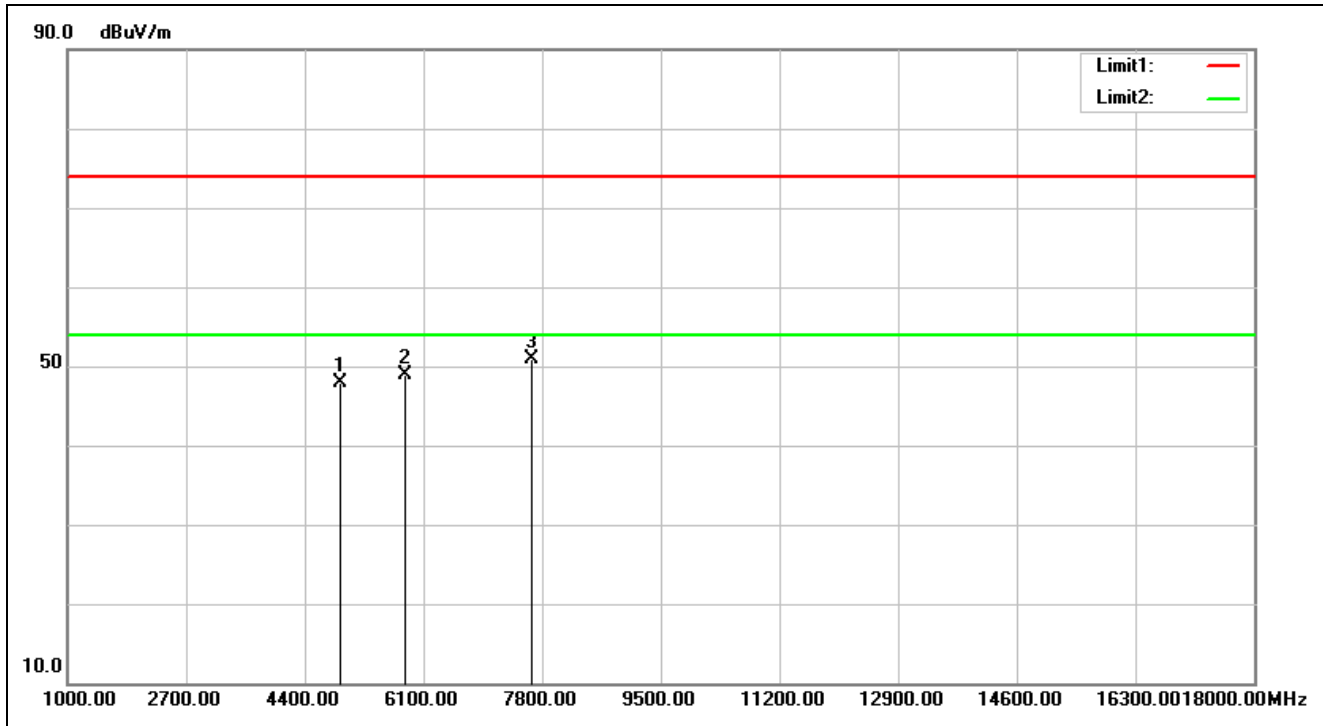
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Tel:+886-2172-7000 fax:+886-2528-0018



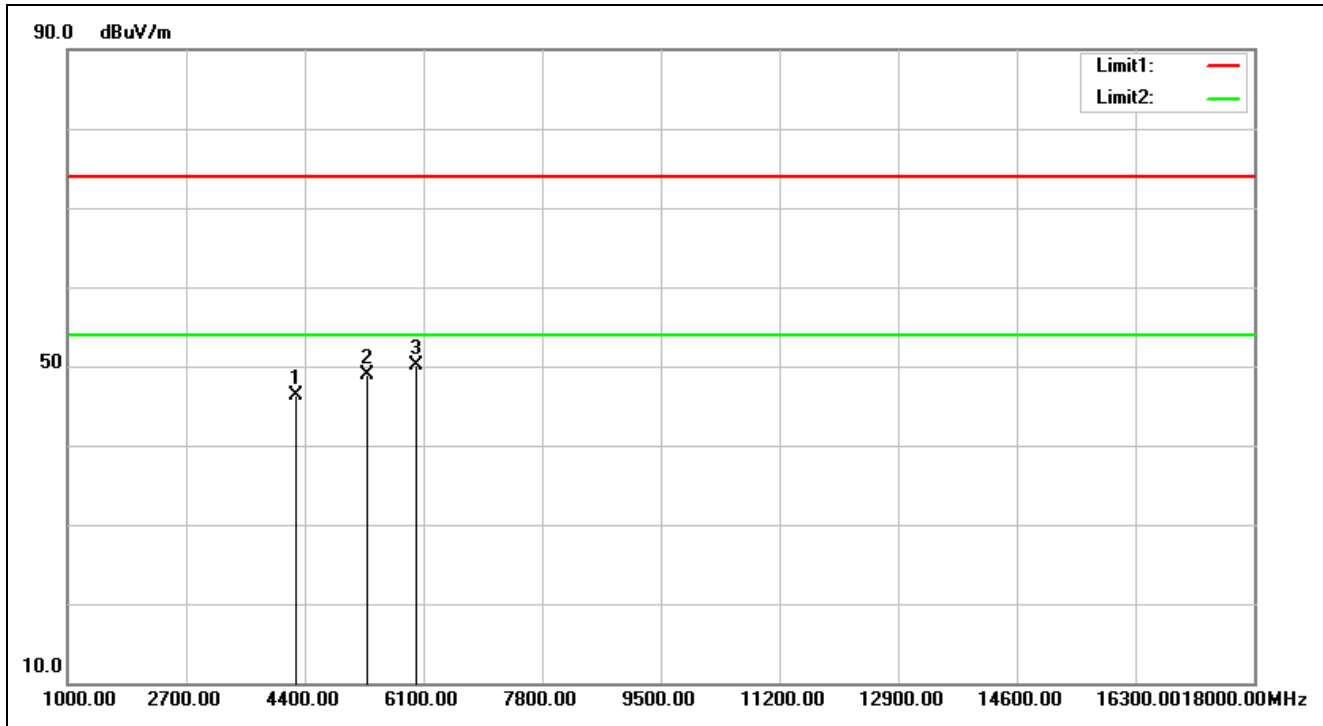
Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:11:07
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2402-RX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4264.000	-4.02	50.70	46.68	74.00	-27.32	peak	100	3	
2	5318.000	-0.15	49.44	49.29	74.00	-24.71	peak	100	342	
3	7562.000	6.64	44.71	51.35	74.00	-22.65	peak	100	145	



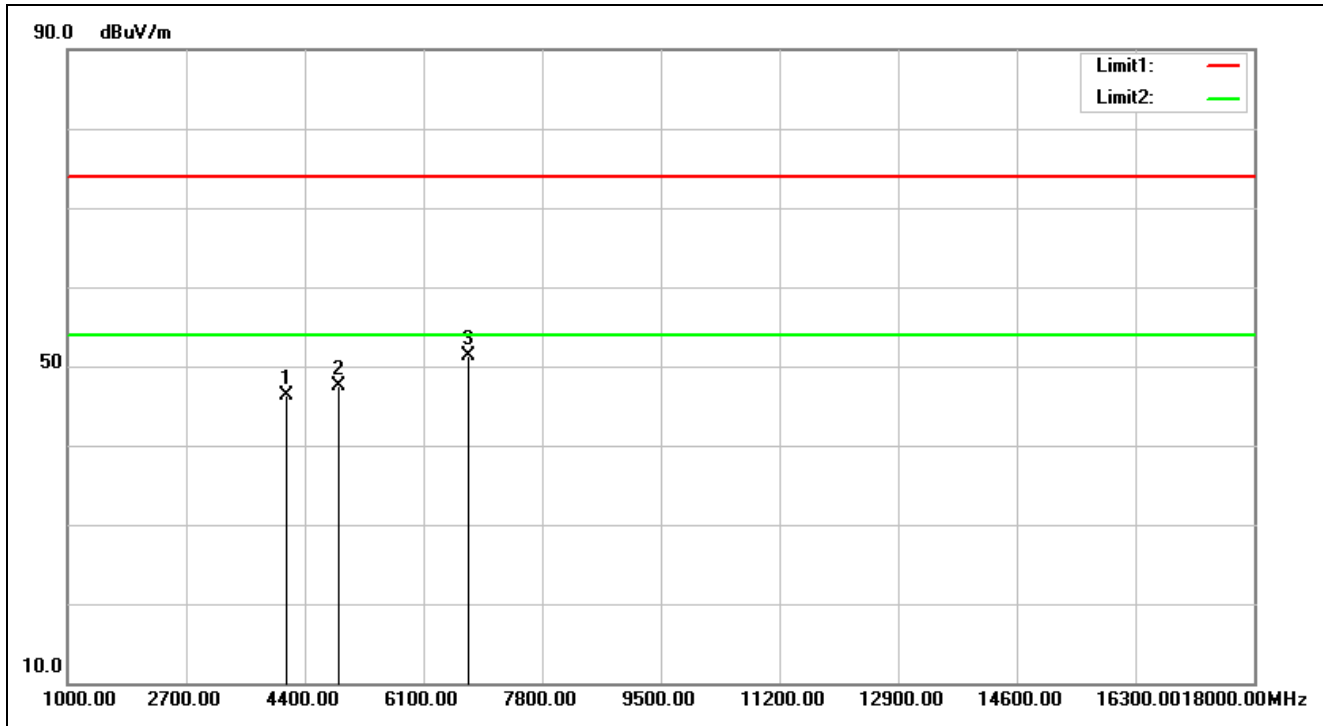
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:12:09
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2402-RX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4910.000	-2.08	50.03	47.95	74.00	-26.05	peak	100	204	
2	5845.000	3.07	45.82	48.89	74.00	-25.11	peak	100	2	
3	7647.000	6.63	44.21	50.84	74.00	-23.16	peak	100	2	



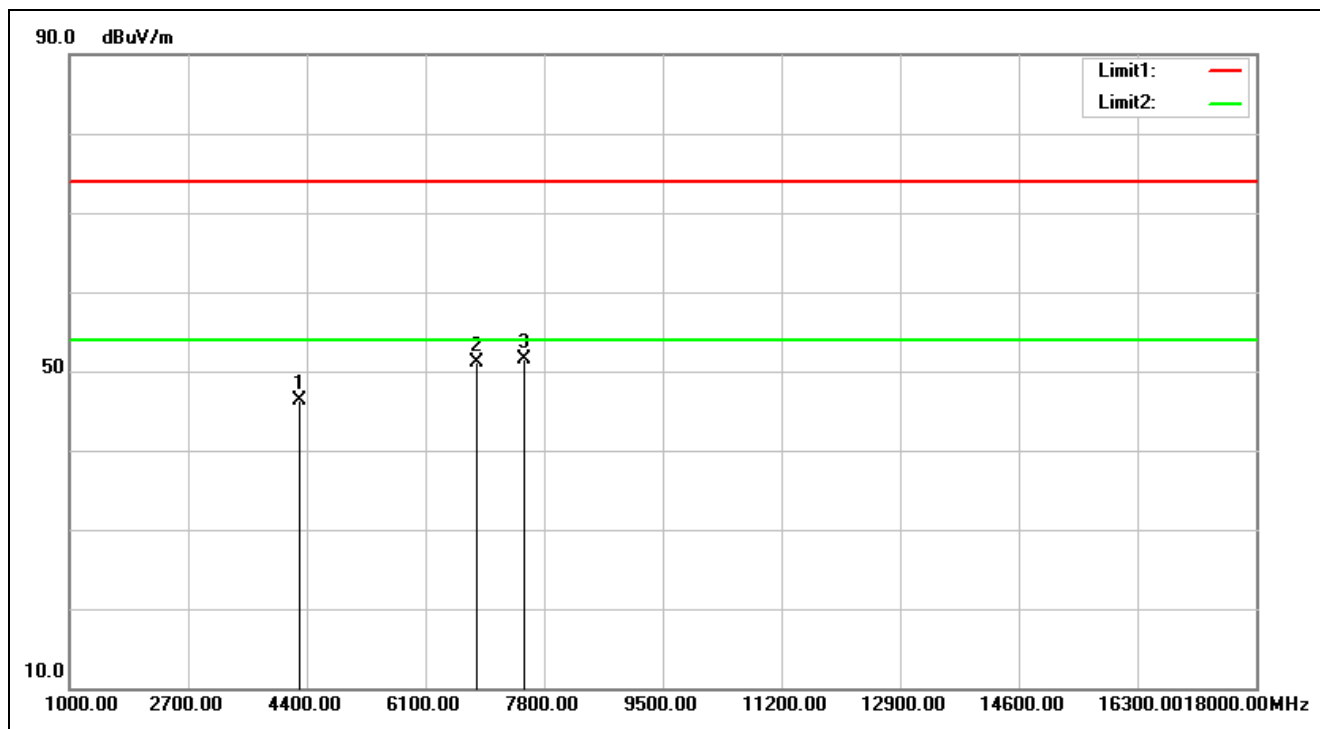
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:15:03
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-RX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4264.000	-4.02	50.40	46.38	74.00	-27.62	peak	100	181	
2	5301.000	-0.24	49.22	48.98	74.00	-25.02	peak	100	317	
3	5998.000	4.07	46.04	50.11	74.00	-23.89	peak	100	298	



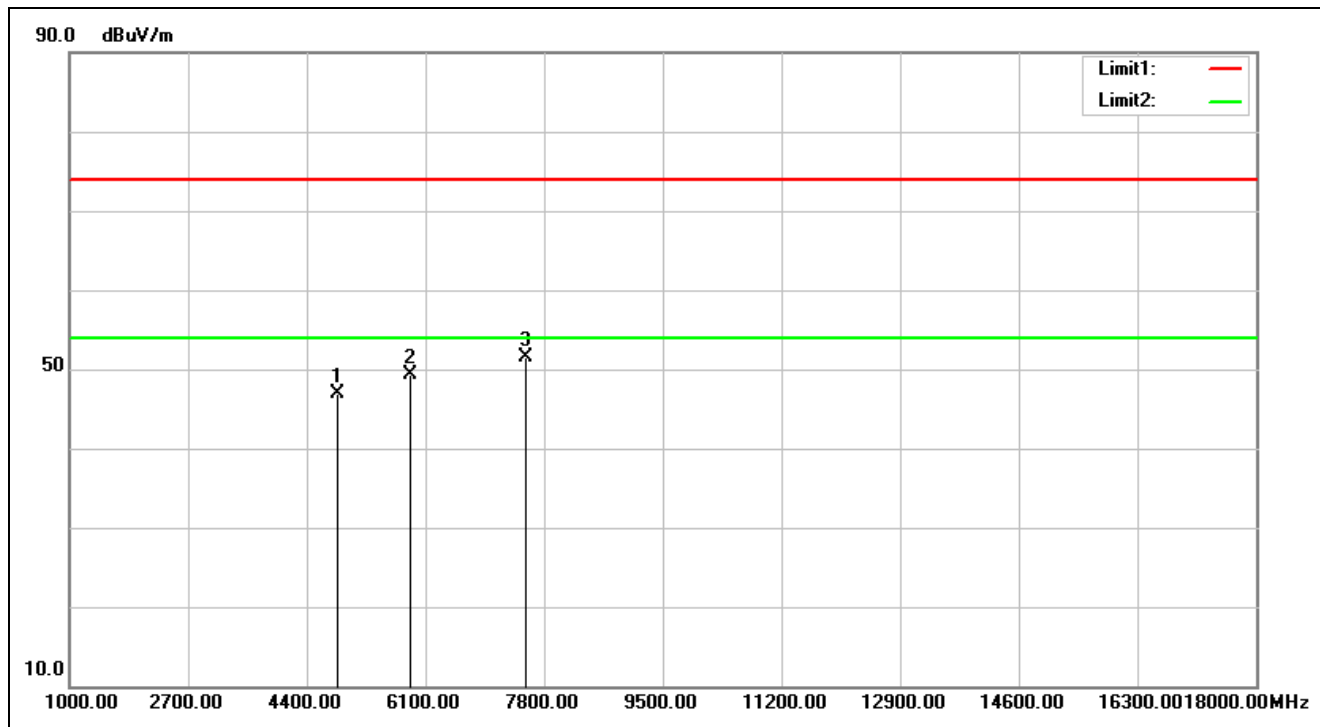
Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:16:06
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-RX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4145.000	-4.51	50.85	46.34	74.00	-27.66	peak	100	223	
2	4876.000	-2.16	49.63	47.47	74.00	-26.53	peak	100	351	
3	6746.000	5.60	45.74	51.34	74.00	-22.66	peak	100	157	



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:18:07
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2480-RX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4298.000	-3.89	50.19	46.30	74.00	-27.70	peak	100	15	
2	6831.000	5.45	45.61	51.06	74.00	-22.94	peak	100	129	
3	7511.000	6.66	44.86	51.52	74.00	-22.48	peak	100	190	



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:19:09
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2480-RX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4842.000	-2.24	49.19	46.95	74.00	-27.05	peak	100	123	
2	5879.000	3.30	45.97	49.27	74.00	-24.73	peak	100	187	
3	7528.000	6.66	44.76	51.42	74.00	-22.58	peak	100	129	

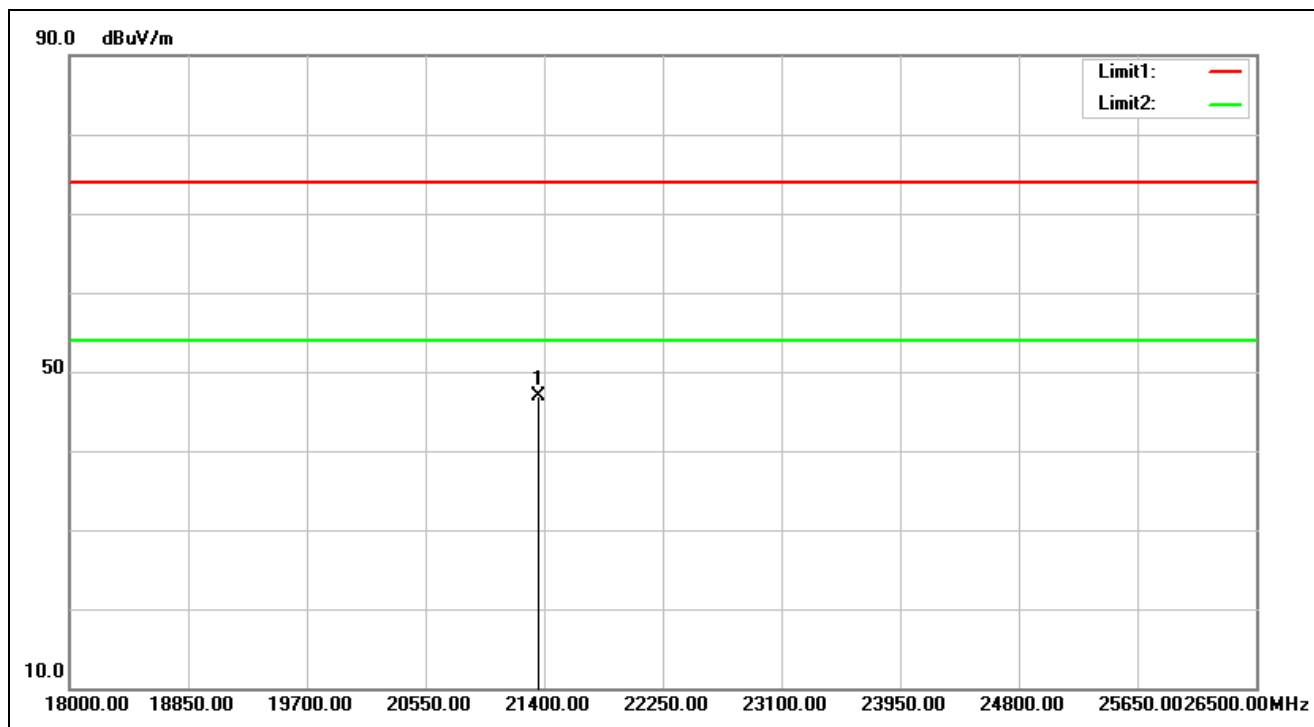
Spurious Emissions, RX Mode, 18-26G



TUV Taiwan

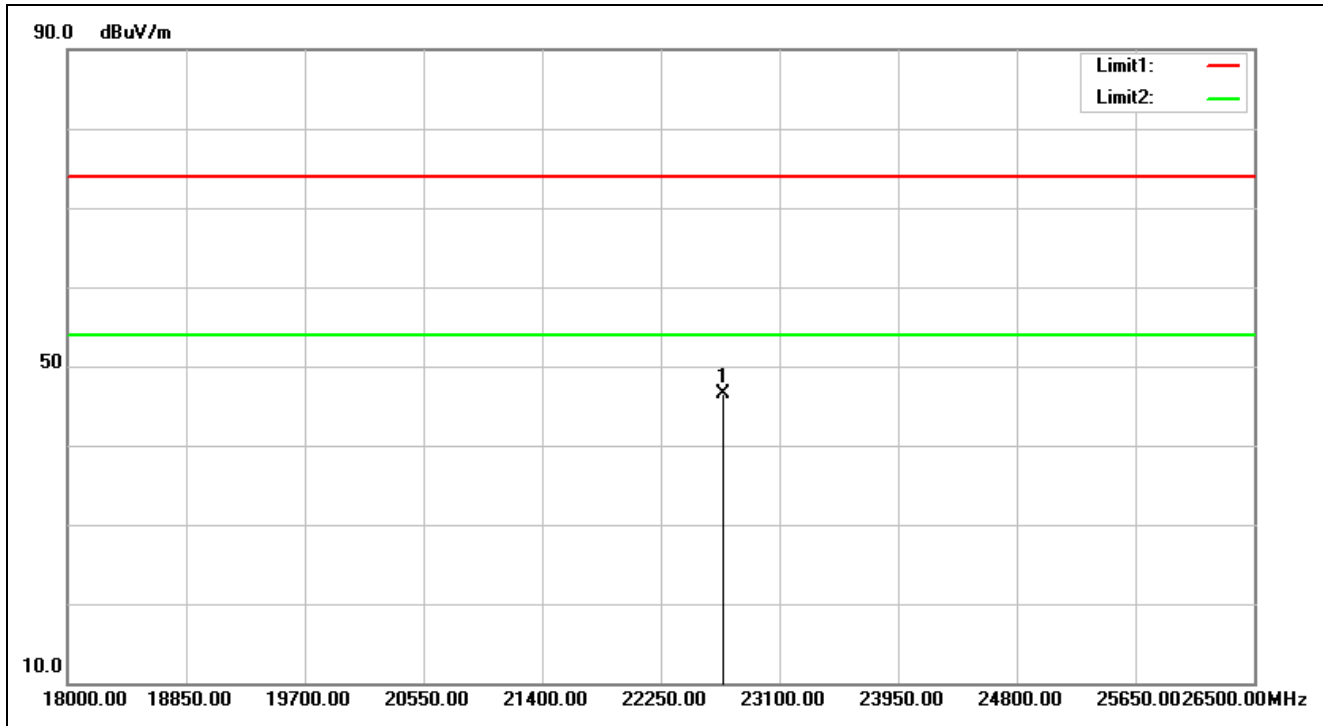
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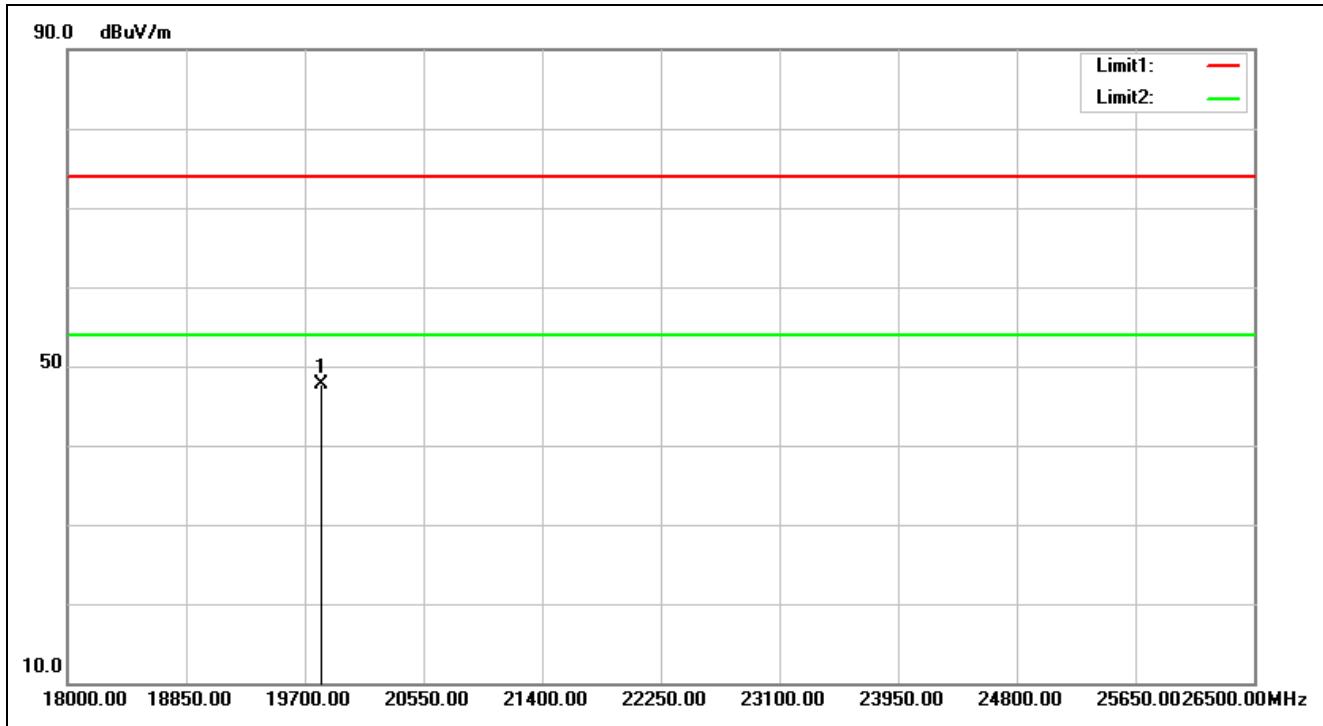
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:55:39
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2402-RX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21357.500	29.04	17.96	47.00	74.00	-27.00	peak		0	



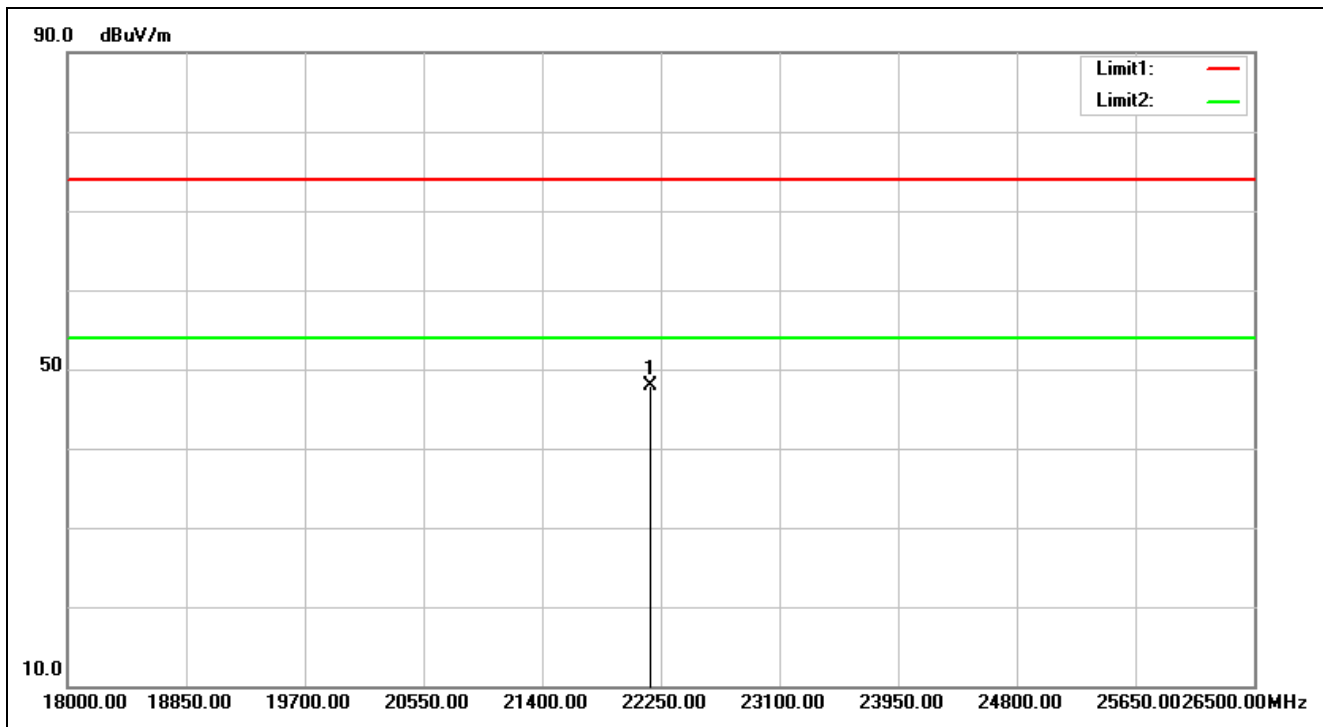
Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:55:46
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2402-RX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22700.500	29.52	17.08	46.60	74.00	-27.40	peak			



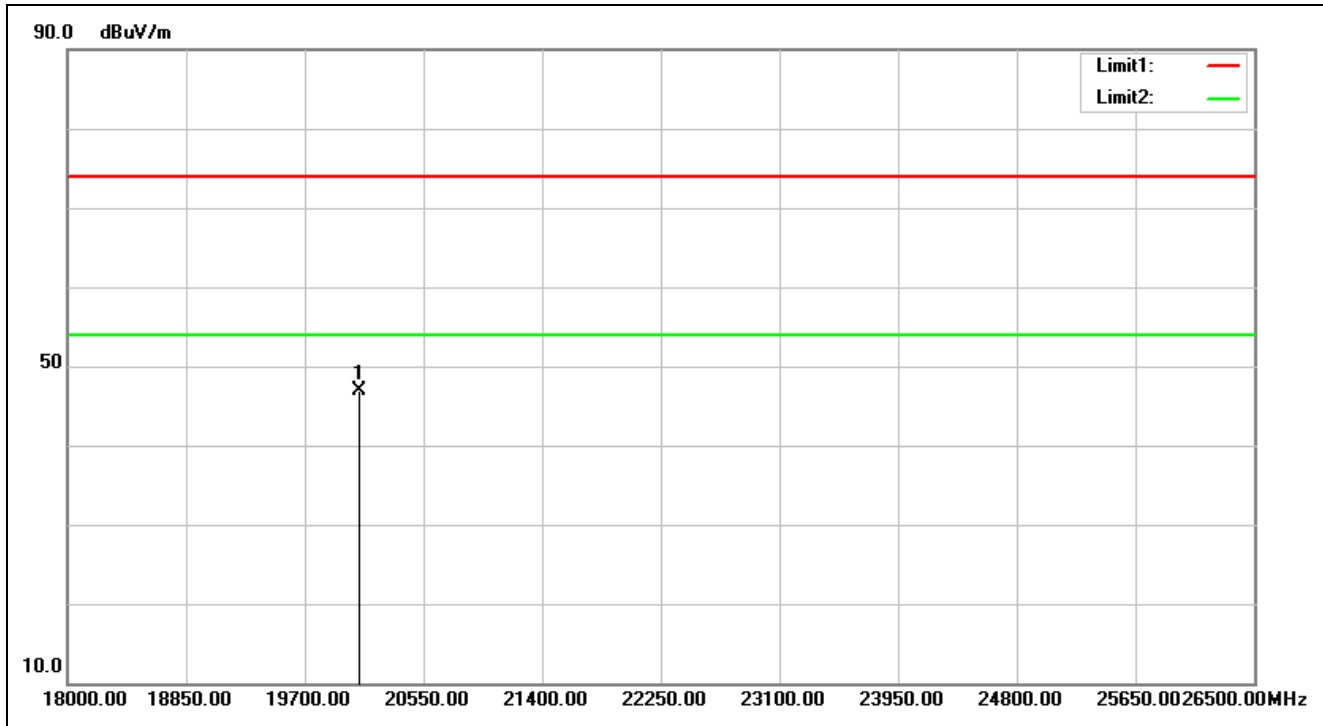
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:55:58
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-RX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19819.000	28.93	18.87	47.80	74.00	-26.20	peak			



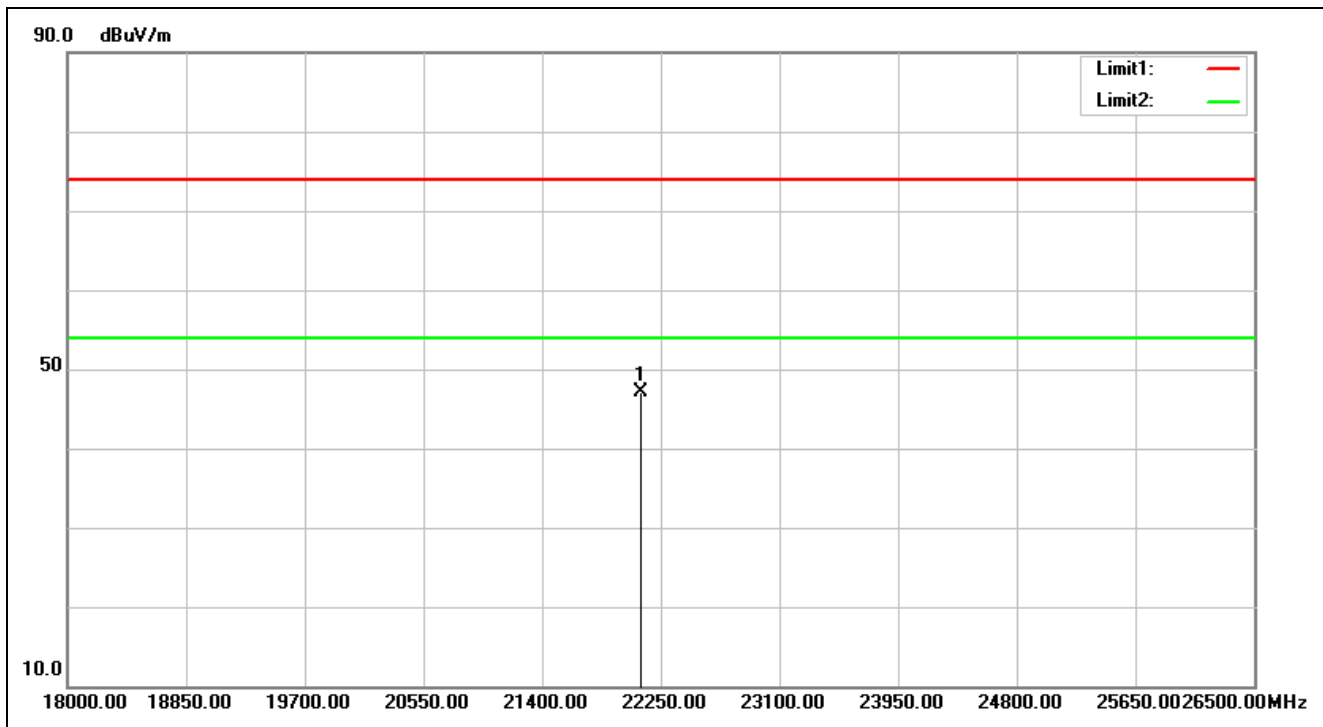
Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:56:07
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%)	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-RX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22173.500	28.71	19.11	47.82	74.00	-26.18	peak			



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 21:56:19
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2480-RX		
Remark:	softwave-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20091.000	28.99	17.90	46.89	74.00	-27.11	peak			



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 21:56:28
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2480-RX		
Remark:	software-1		
	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22105.500	28.61	18.52	47.13	74.00	-26.87	peak			

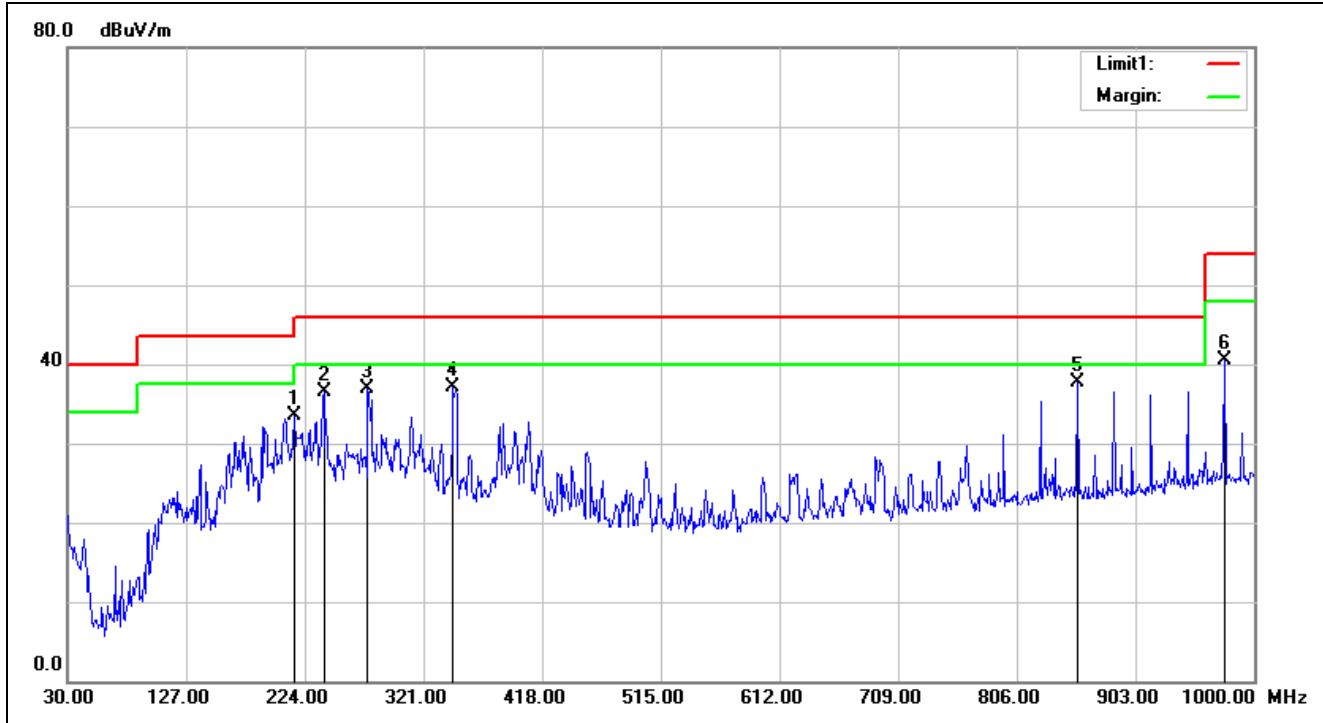
Spurious Emissions, RX Mode, 30M-1G



TUV Taiwan

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

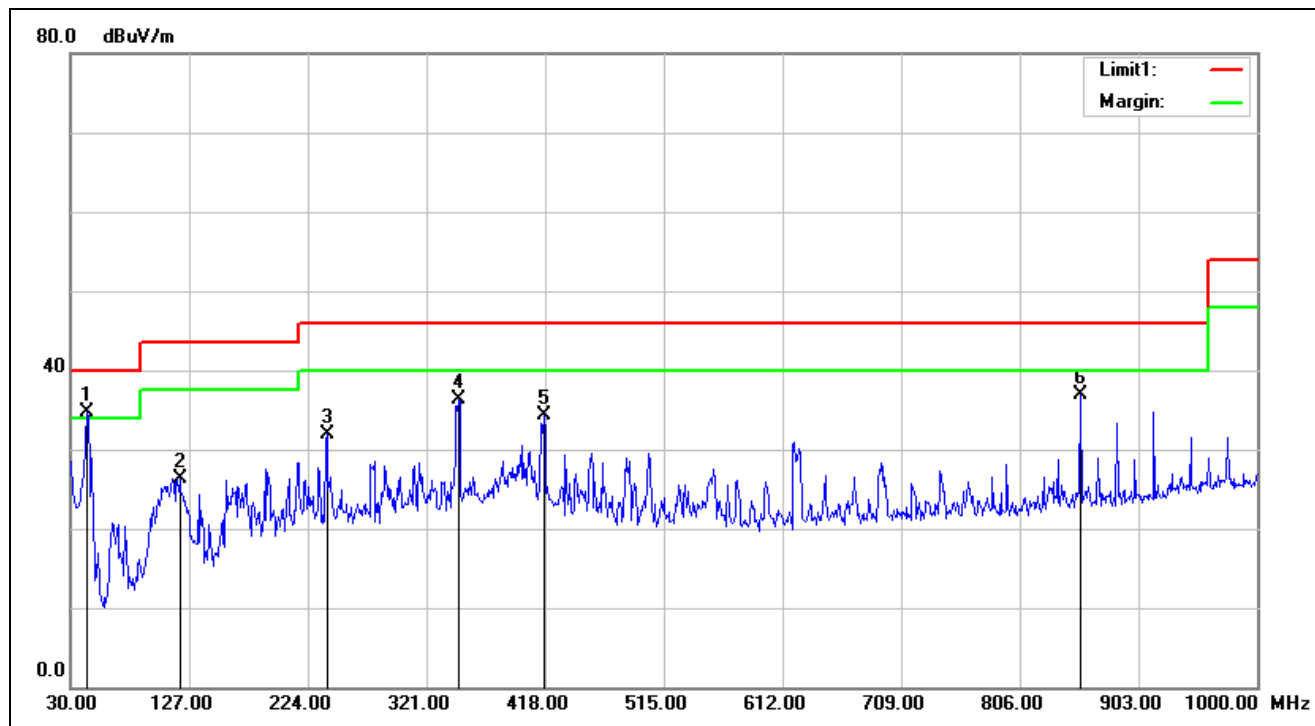
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/7/3 19:16:00
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-RX		
Remark:	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	215.2700	-14.29	47.71	33.42	43.50	-10.08	QP	100	254	
2	239.5200	-12.73	49.31	36.58	46.00	-9.42	QP	100	247	
3	275.4100	-11.20	48.11	36.91	46.00	-9.09	QP	100	232	
4	345.2500	-9.48	46.58	37.10	46.00	-8.90	QP	100	324	
5	855.4700	-2.41	40.12	37.71	46.00	-8.29	QP	100	28	
6	975.7500	-0.26	40.67	40.41	54.00	-13.59	QP	100	188	

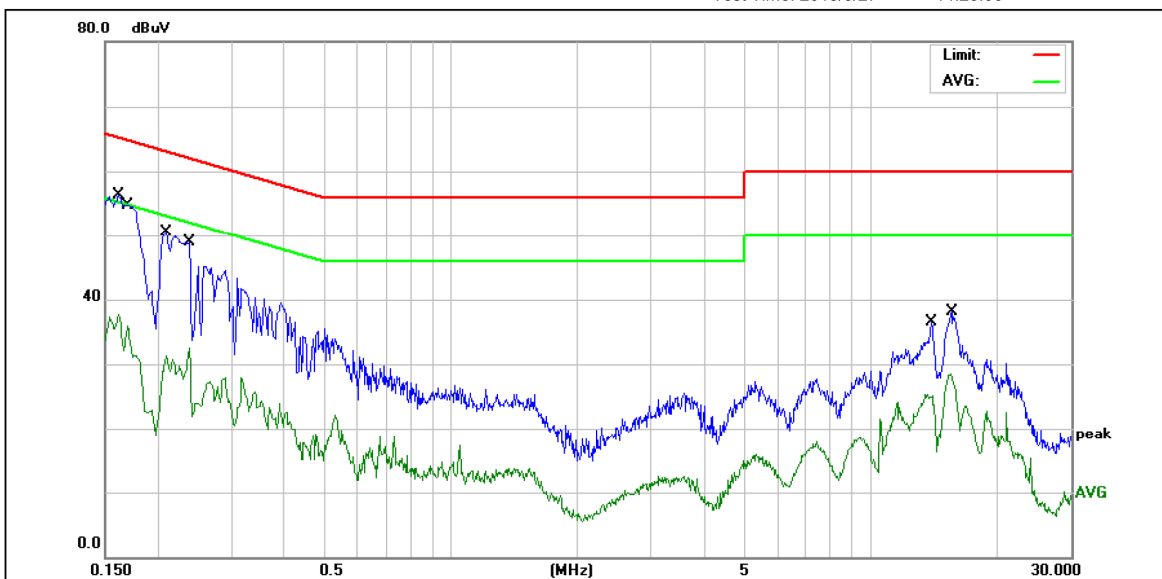
Spurious Emissions, RX Mode, 30M-1G



Service No.:	114031357-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/7/3 19:17:03
Applicant:	Zeroplus	Test Rating:	DC 5V
Product:	Game Controller Super Converters	Temp.(°C)/Hum.(%):	21.6(°C)/53%
Model No.:	ZPPK002	Test Engineer:	Hugo Chang
Test Mode:	1DH5-2441-RX		
Remark:	Power=9		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	43.5800	-13.45	48.06	34.61	40.00	-5.39	QP	100	249	
2	119.2400	-13.02	39.38	26.36	43.50	-17.14	QP	100	51	
3	239.5200	-12.73	44.59	31.86	46.00	-14.14	QP	100	193	
4	347.1900	-9.43	45.75	36.32	46.00	-9.68	QP	100	203	
5	417.0300	-8.43	42.76	34.33	46.00	-11.67	QP	100	209	
6	855.4700	-2.41	39.31	36.90	46.00	-9.10	QP	100	282	

Mains Spurious Emissions



Service No.: 114031357

Test Standard: FCC Class B Conduction(QP)

Test item: Conducted Emission

Phase: L1

Applicant: Zeroplus

Temp.(°C)/Hum.(%): 21.1(°C) / 55 %

Product: USB Converter

Power Rating: DC 5V

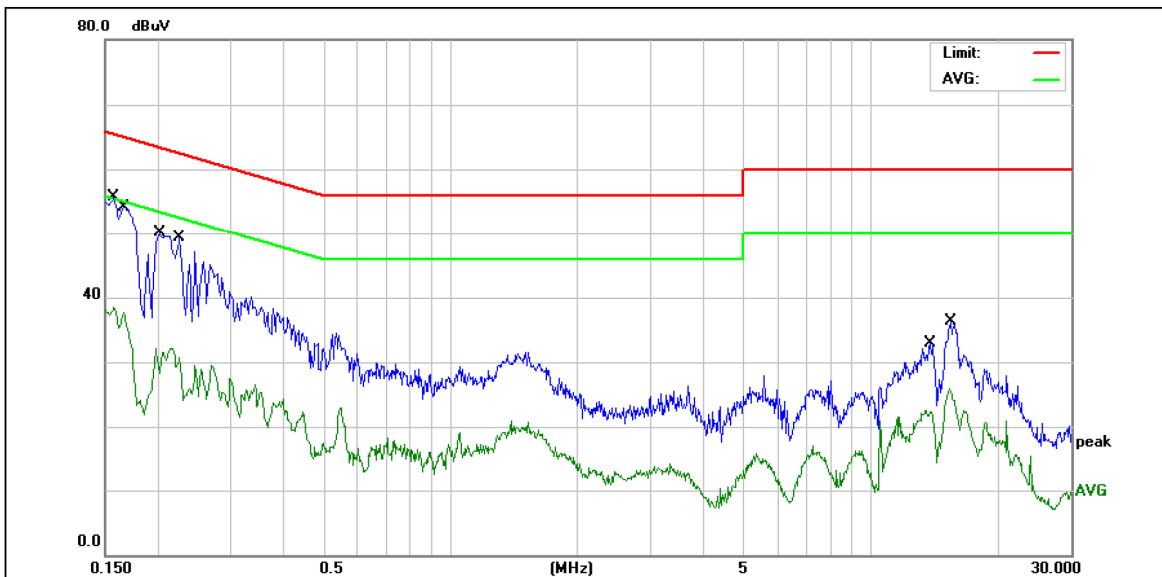
Model No.: PS4, XBOX360

Test Engineer: George Yang

Test Mode: BT link

Remark:

No.	Frequency (MHz)	Factor ()	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1620	9.65	43.23	52.88	65.36	-12.48	QP	P	
2	0.1620	9.65	25.78	35.43	55.36	-19.93	AVG	P	
3	0.1700	9.65	40.67	50.32	64.96	-14.64	QP	P	
4	0.1700	9.65	20.99	30.64	54.96	-24.32	AVG	P	
5	0.2100	9.63	36.25	45.88	63.20	-17.32	QP	P	
6	0.2100	9.63	18.01	27.64	53.20	-25.56	AVG	P	
7	0.2380	9.63	27.24	36.87	62.16	-25.29	QP	P	
8	0.2380	9.63	12.85	22.48	52.16	-29.68	AVG	P	
9	13.9740	9.81	18.78	28.59	60.00	-31.41	QP	P	
10	13.9740	9.81	13.10	22.91	50.00	-27.09	AVG	P	
11	15.5620	9.85	22.07	31.92	60.00	-28.08	QP	P	
12	15.5620	9.85	16.38	26.23	50.00	-23.77	AVG	P	



Service No.: 114031357

Test Standard: FCC Class B Conduction(QP)

Test item: Conducted Emission

Phase: N

Applicant: Zeroplus

Temp.(°C)/Hum.(%): 21.1(°C) / 55 %

Product: USB Converter

Power Rating: DC 5V

Model No.: PS4, XBOX360

Test Engineer: George Yang

Test Mode: BT link

Remark:

No.	Frequency (MHz)	Factor ()	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1580	9.66	42.01	51.67	65.56	-13.89	QP	P	
2	0.1580	9.66	25.65	35.31	55.56	-20.25	AVG	P	
3	0.1660	9.66	40.83	50.49	65.15	-14.66	QP	P	
4	0.1660	9.66	23.85	33.51	55.15	-21.64	AVG	P	
5	0.2020	9.65	36.25	45.90	63.52	-17.62	QP	P	
6	0.2020	9.65	20.14	29.79	53.52	-23.73	AVG	P	
7	0.2260	9.65	29.98	39.63	62.59	-22.96	QP	P	
8	0.2260	9.65	14.70	24.35	52.59	-28.24	AVG	P	
9	13.8980	9.86	17.13	26.99	60.00	-33.01	QP	P	
10	13.8980	9.86	11.22	21.08	50.00	-28.92	AVG	P	
11	15.4740	9.89	20.43	30.32	60.00	-29.68	QP	P	
12	15.4740	9.89	14.73	24.62	50.00	-25.38	AVG	P	