

Test Report No.50097748 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50097748AppendixD)

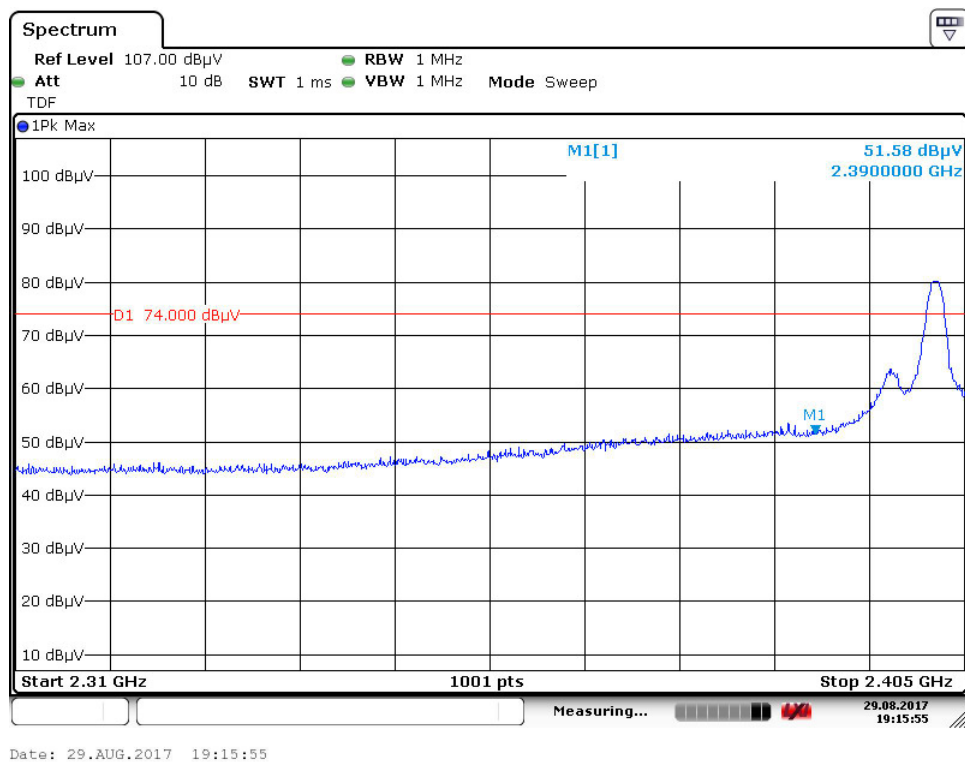
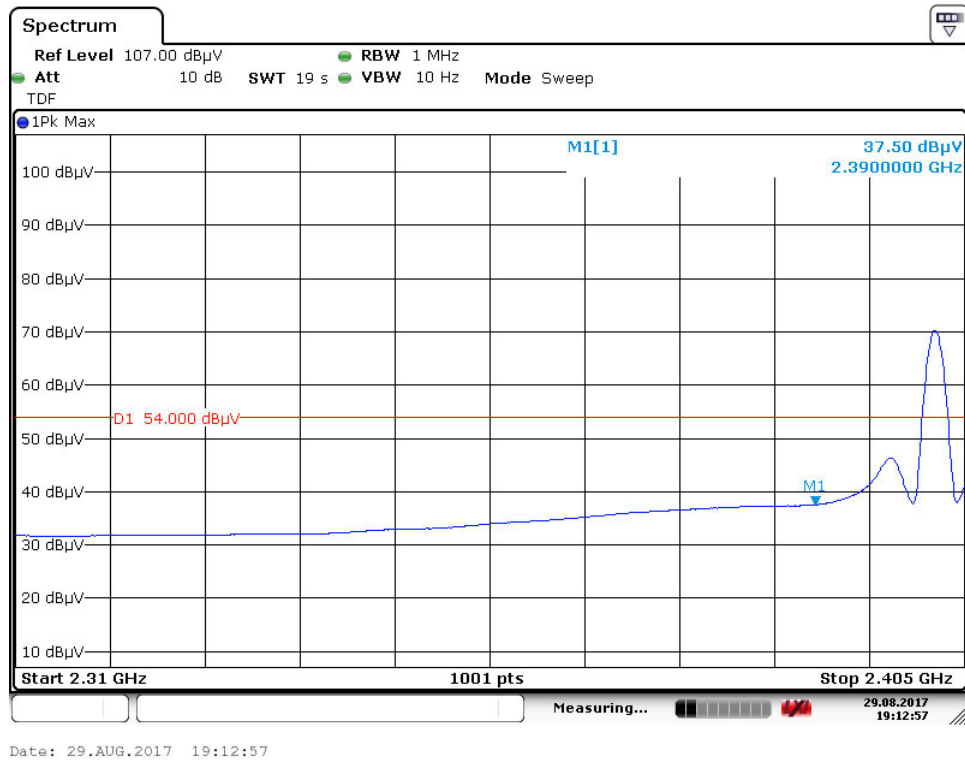
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Spurious Emissions, Band Edges, 2.35-2.5G

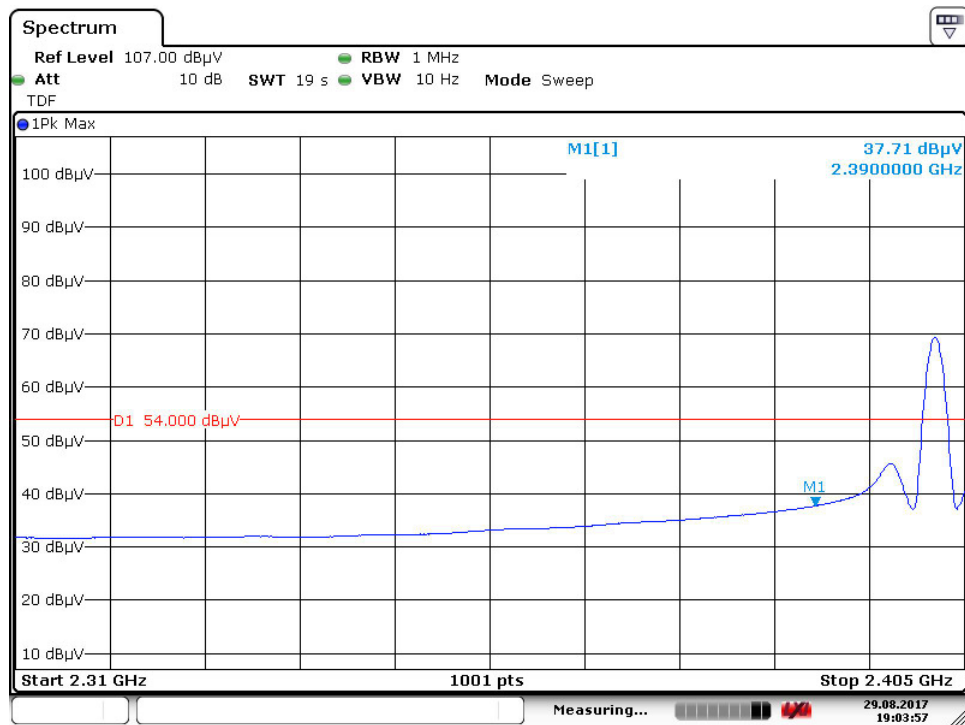
Radiated Bandedge (GFSK)

Low Channel (Hor)

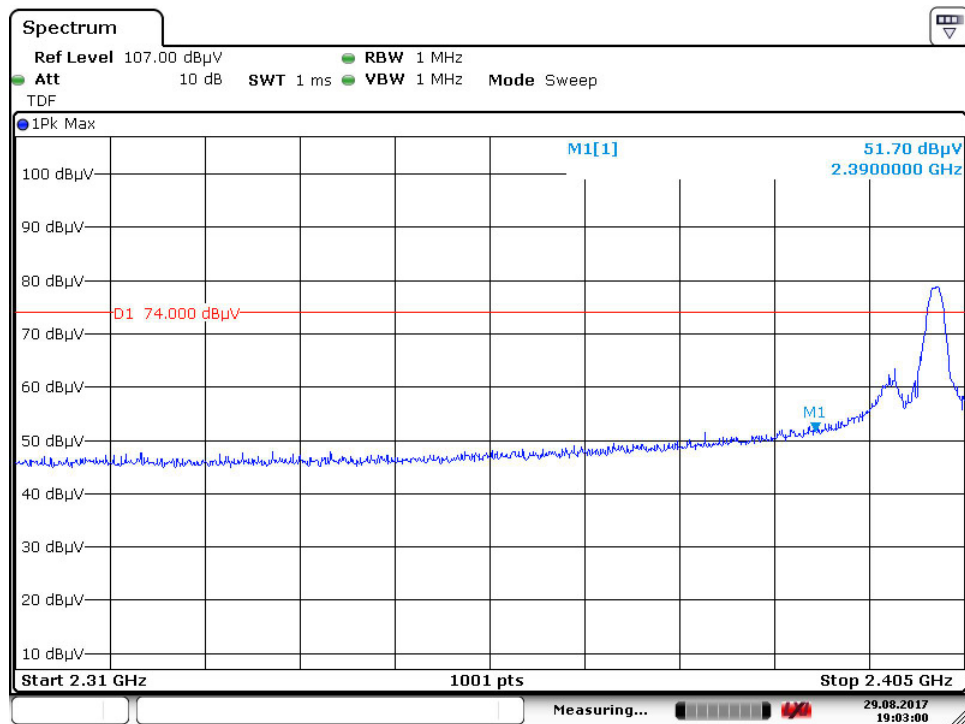


Spurious Emissions, Band Edge, 2.35-2.5G

Low Channel (Ver)



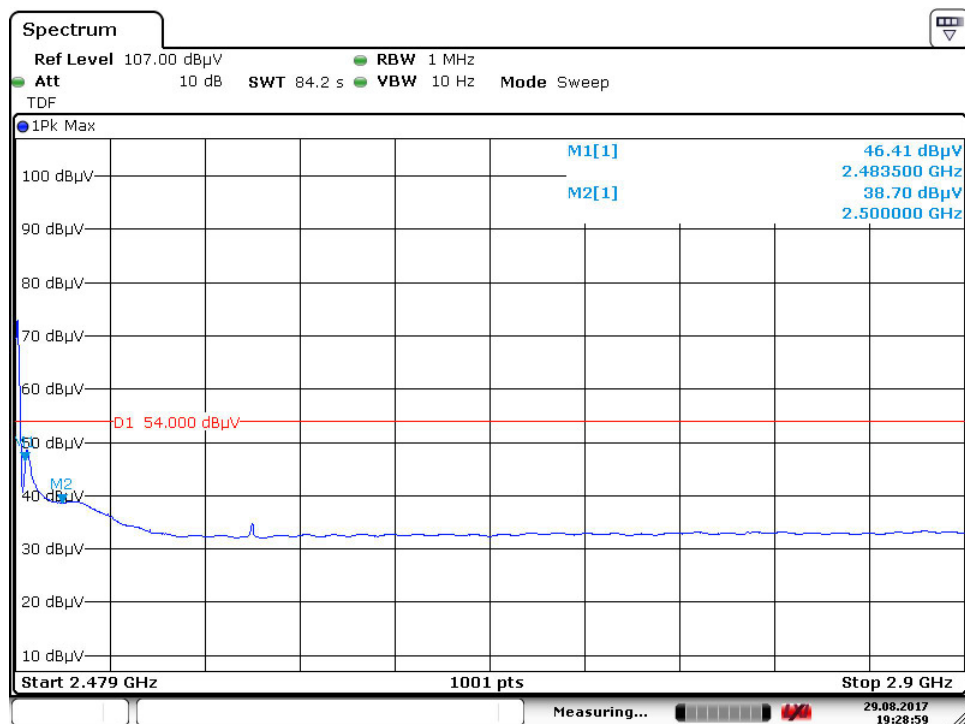
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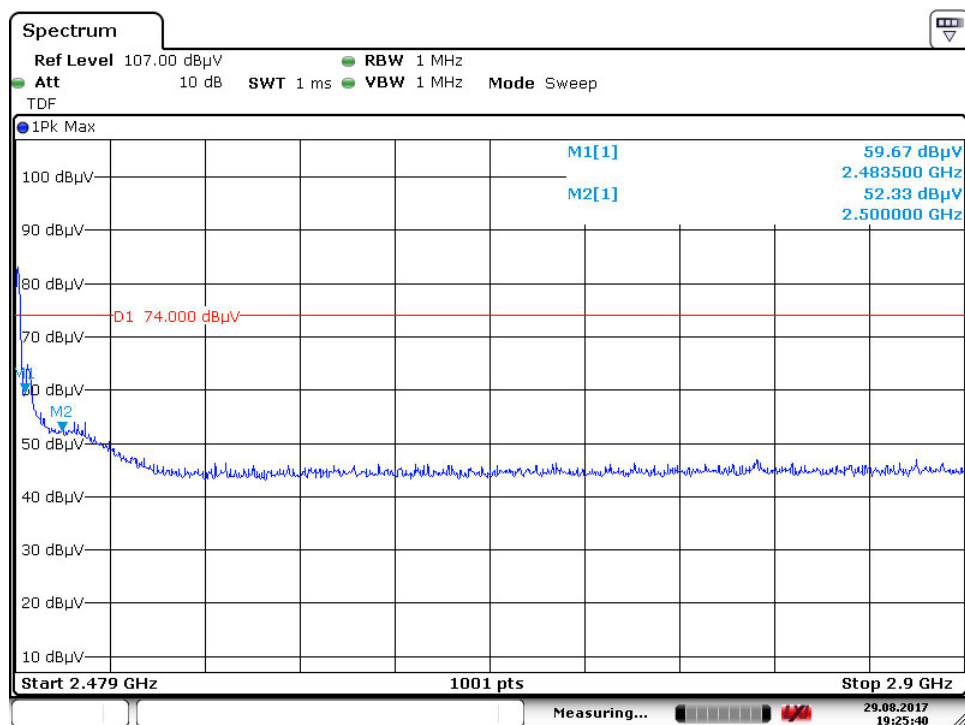
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Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Hor)



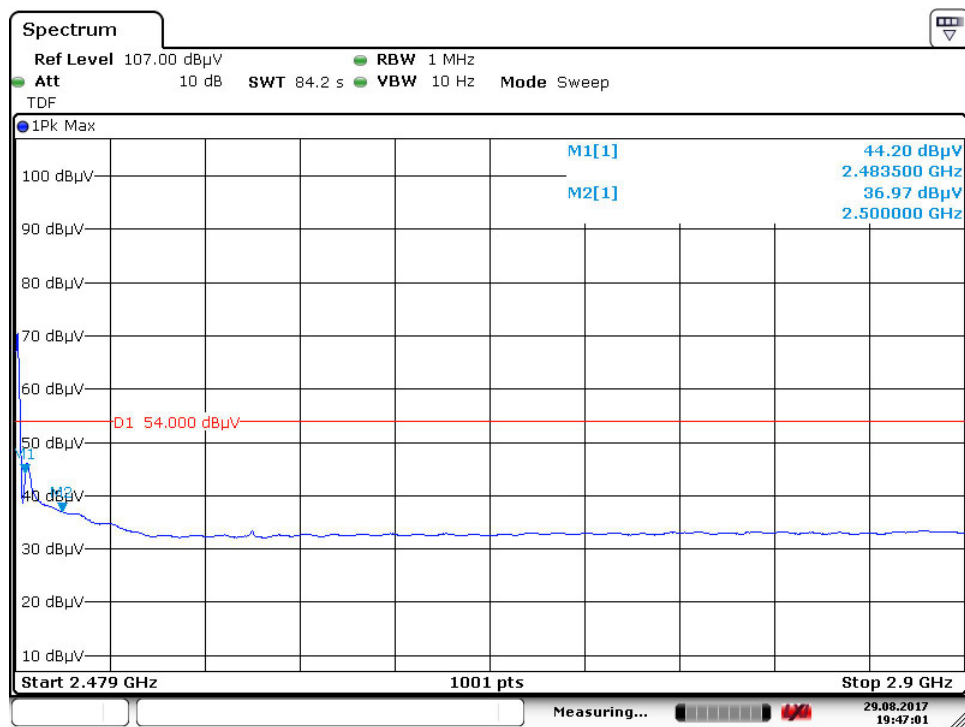
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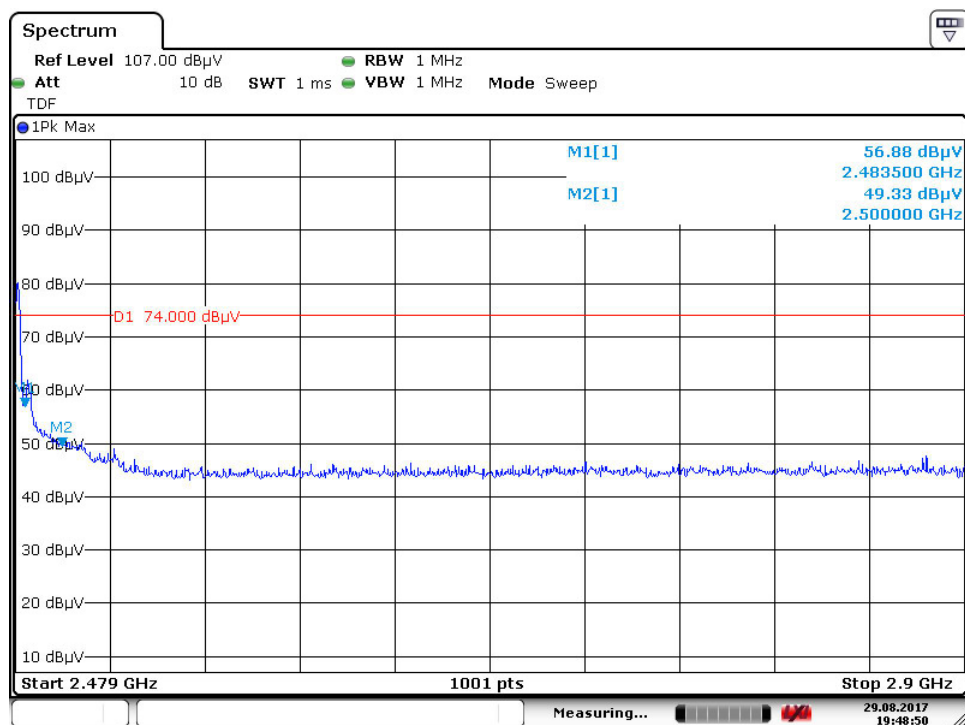
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Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Date: 29.AUG.2017 19:47:01

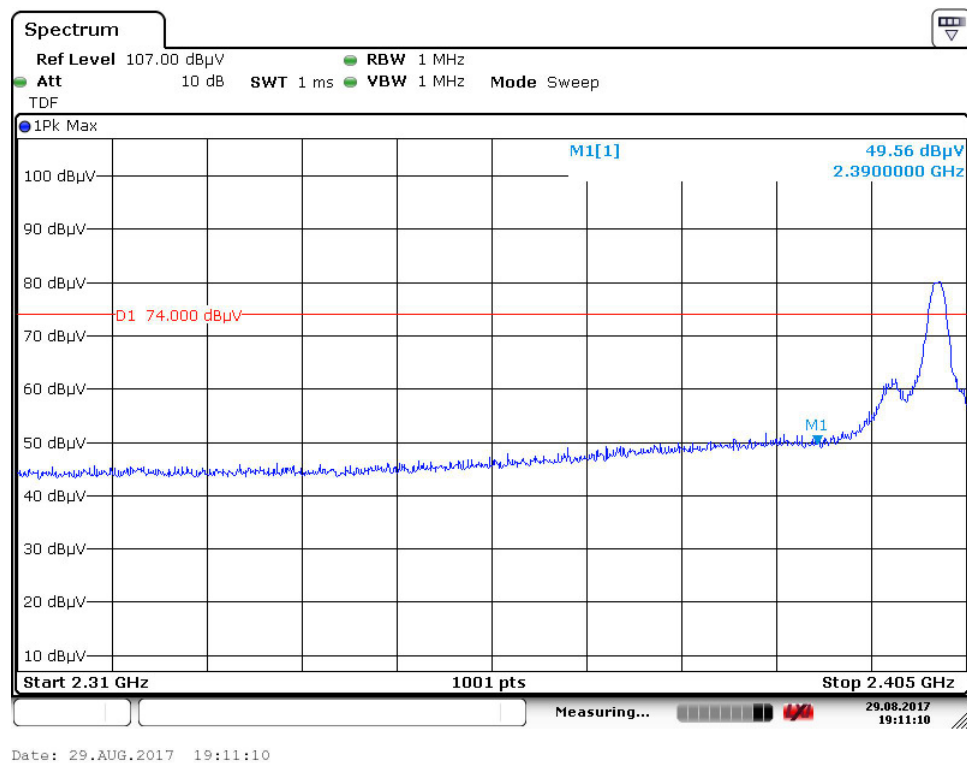
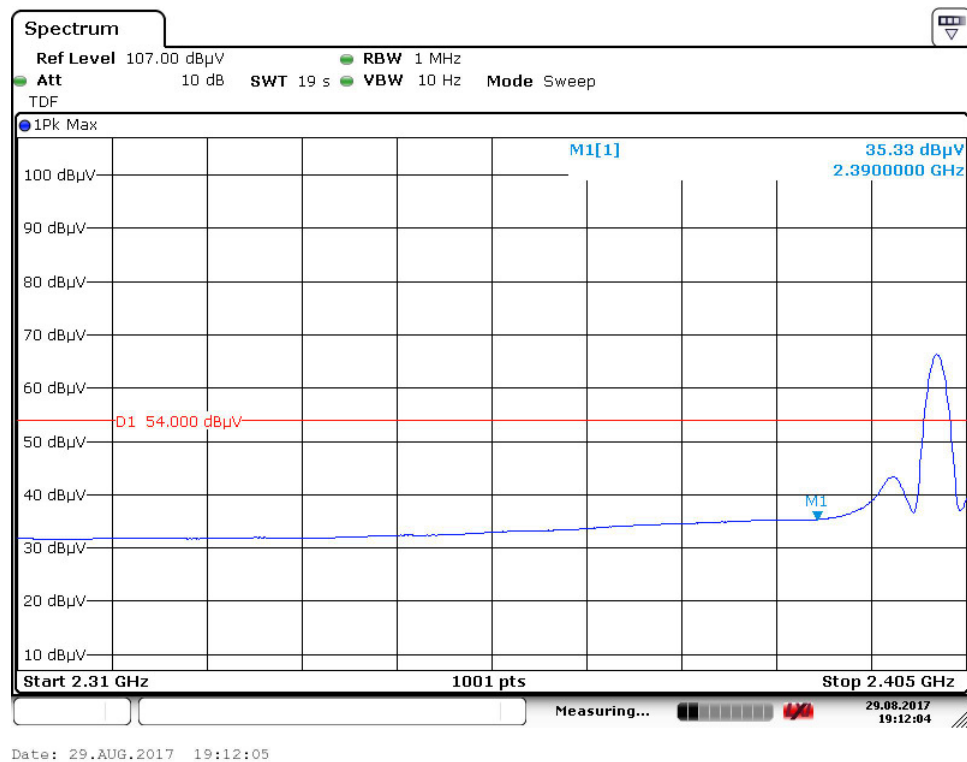


Date: 29.AUG.2017 19:48:50

Spurious Emissions, Band Edge, 2.35-2.5G

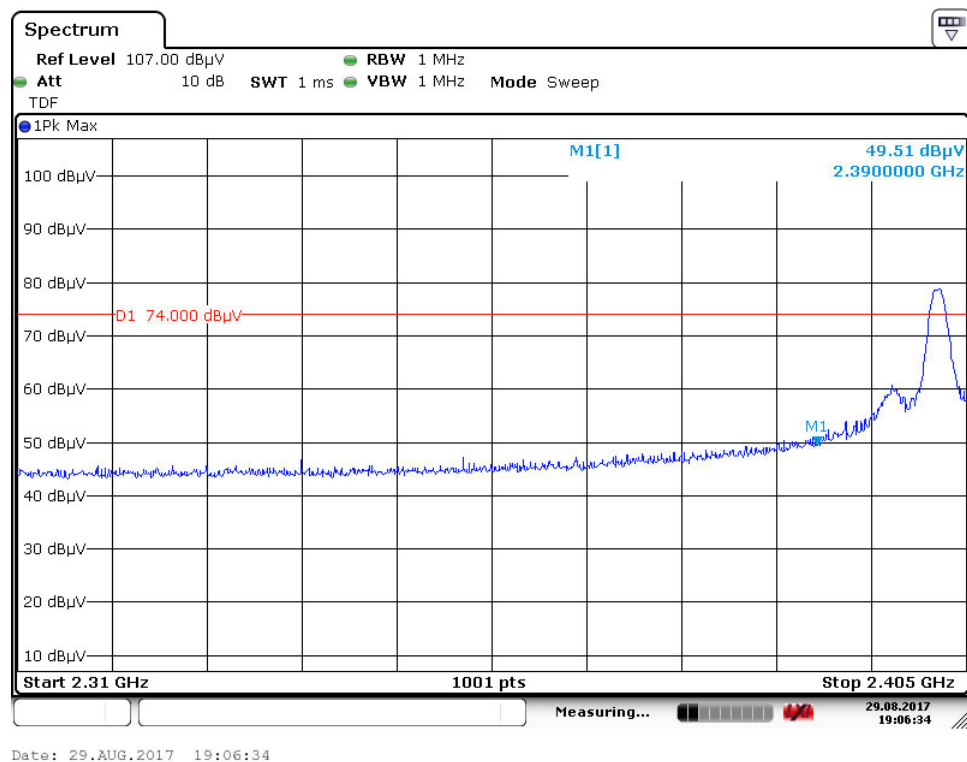
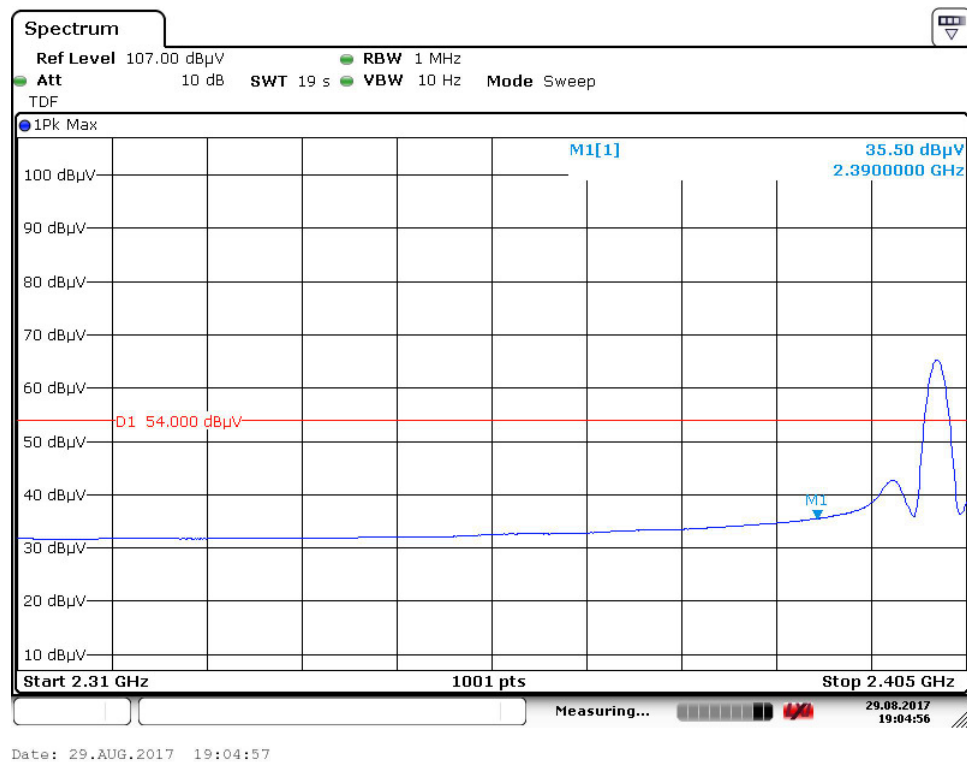
Radiated Bandedge (8DPSK)

Low Channel (Hor)



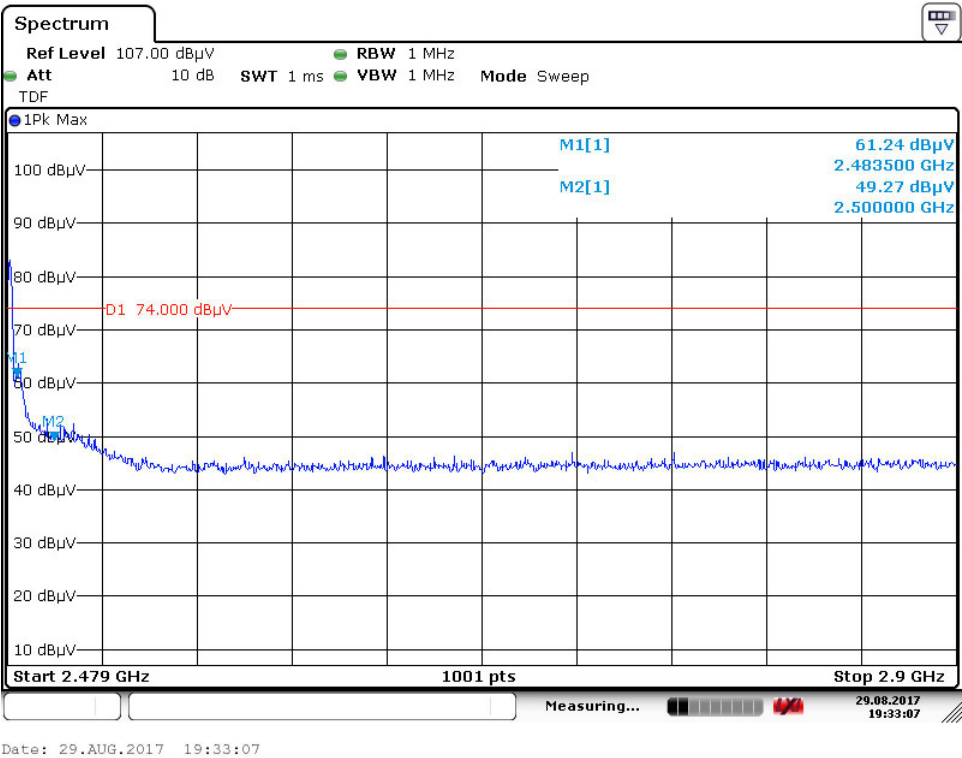
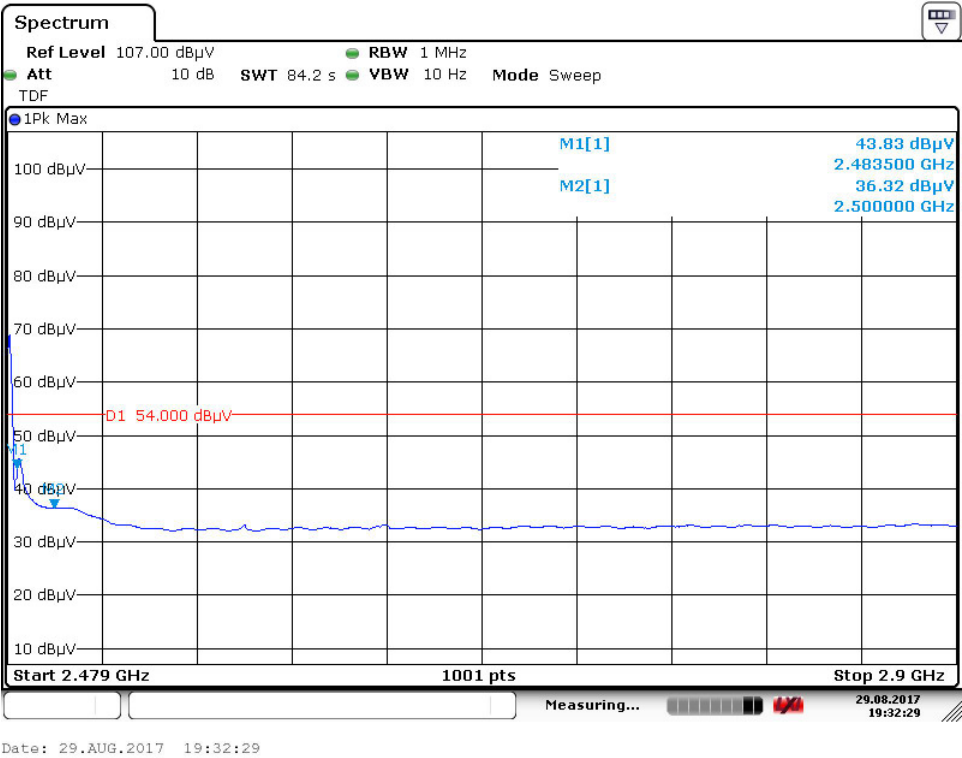
Spurious Emissions, Band Edge, 2.35-2.5G

Low Channel (Ver)

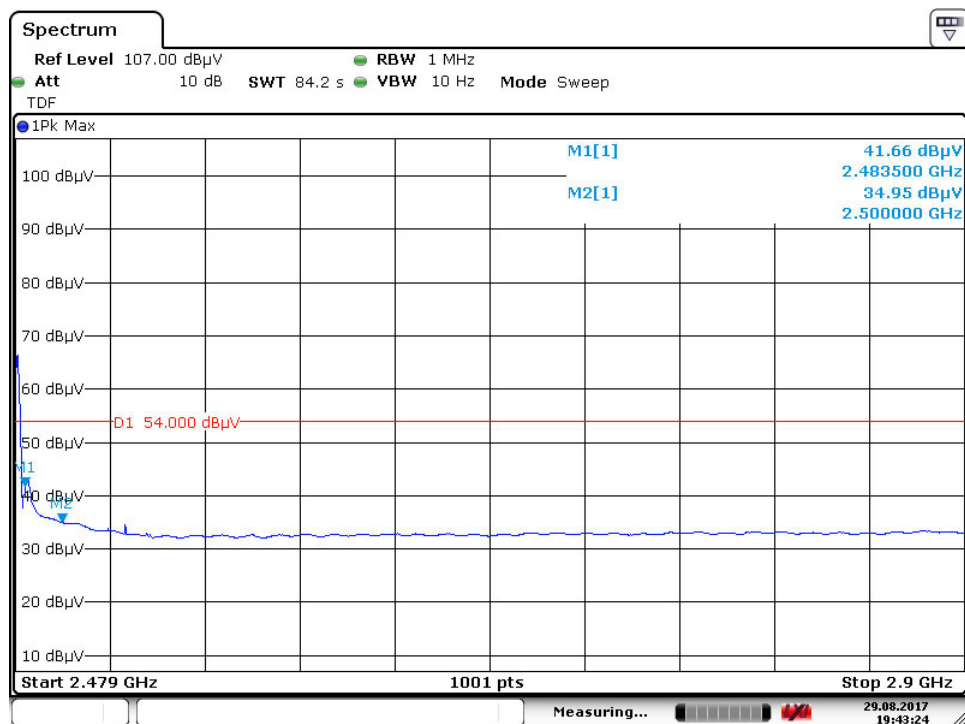


Spurious Emissions, Band Edge, 2.35-2.5G

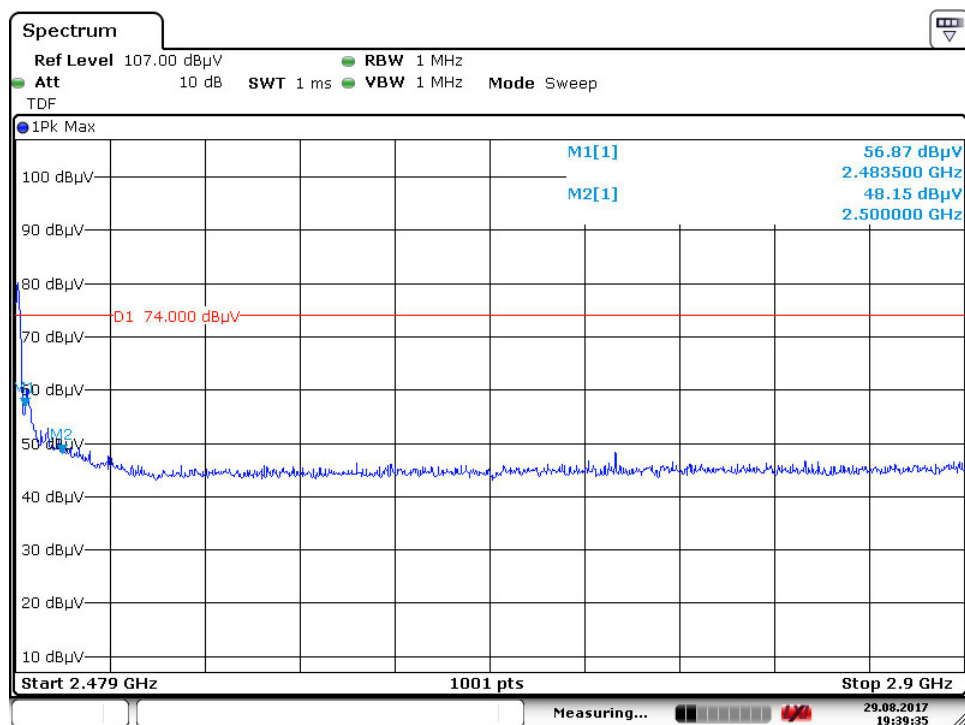
High Channel (Hor)



High Channel (Ver)



Date: 29.AUG.2017 19:43:24



Date: 29.AUG.2017 19:39:36

Spurious Emissions, Band Edge, 2.35-2.5G

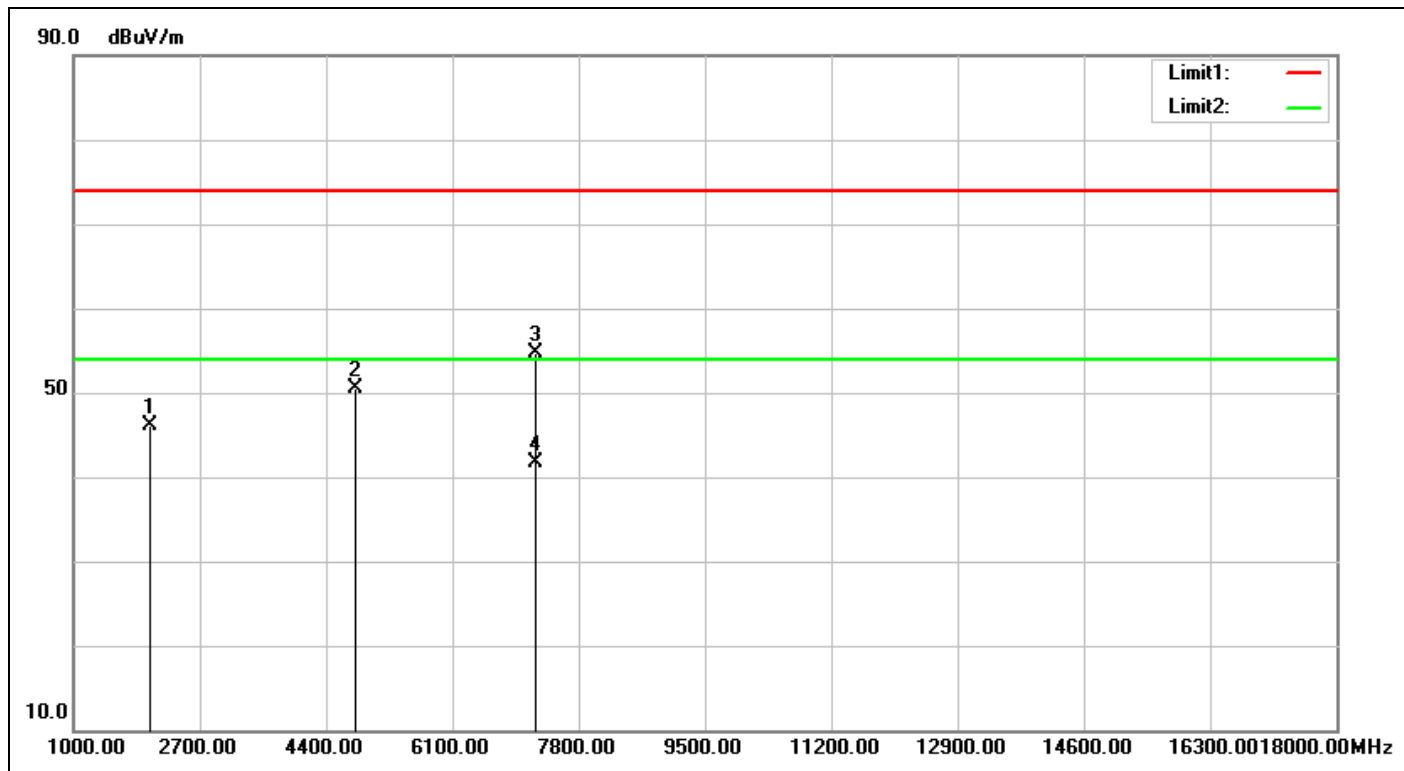
Spurious Emissions, TX Mode, 1-18G



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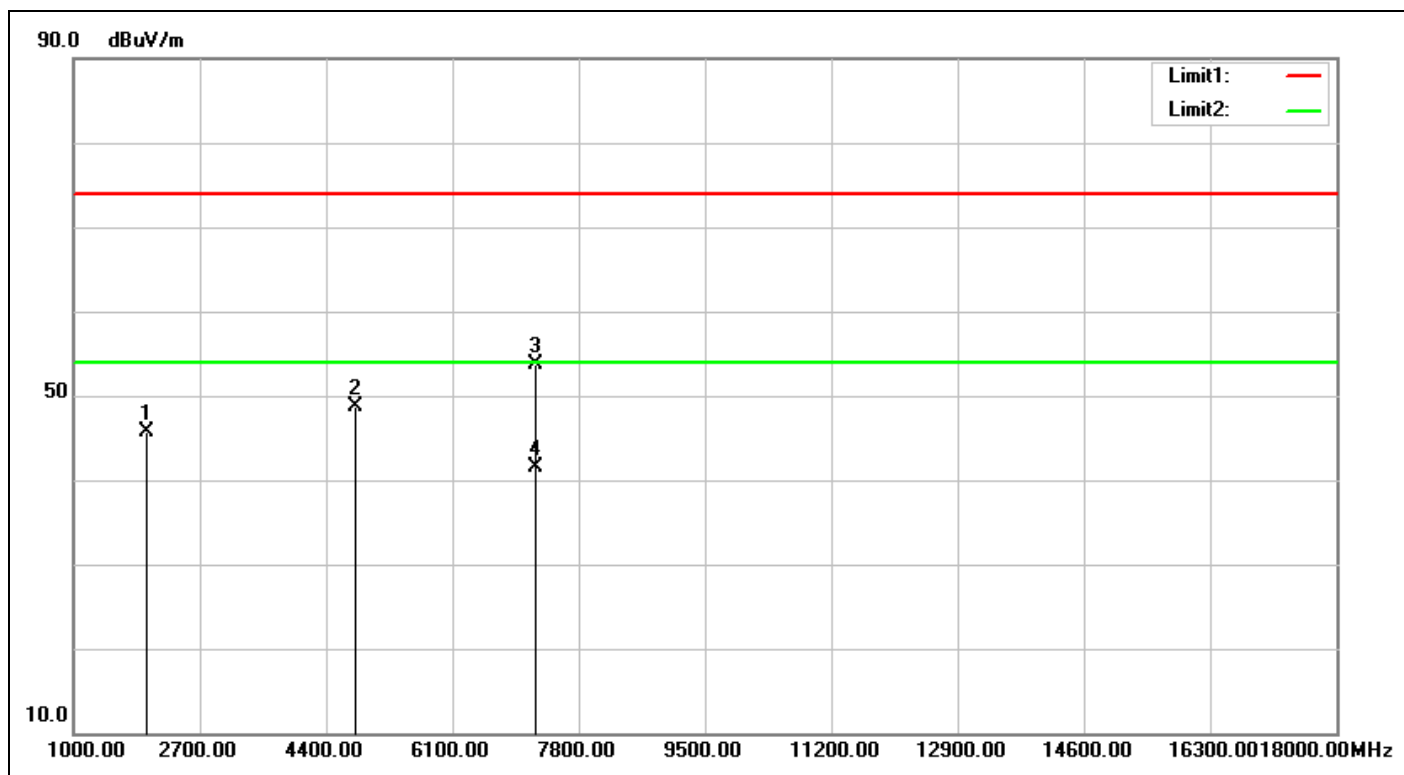
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



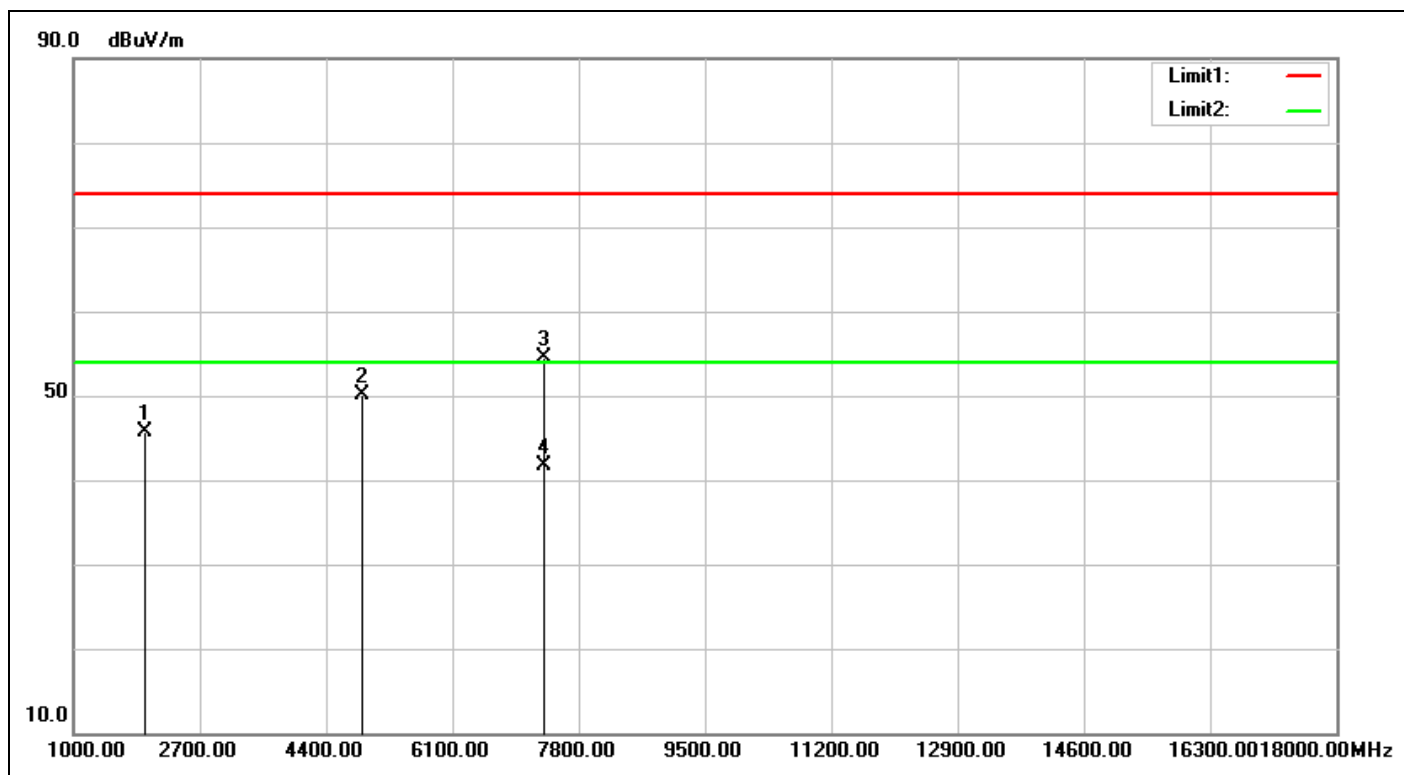
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 19:47:32
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2037.000	-5.04	51.17	46.13	74.00	-27.87	peak	100	164	
2	4804.000	0.43	50.12	50.55	74.00	-23.45	peak	100	51	
3	7206.000	9.11	45.63	54.74	74.00	-19.26	peak	100	327	
4	7206.000	9.11	32.57	41.68	54.00	-12.32	AVG	100	327	



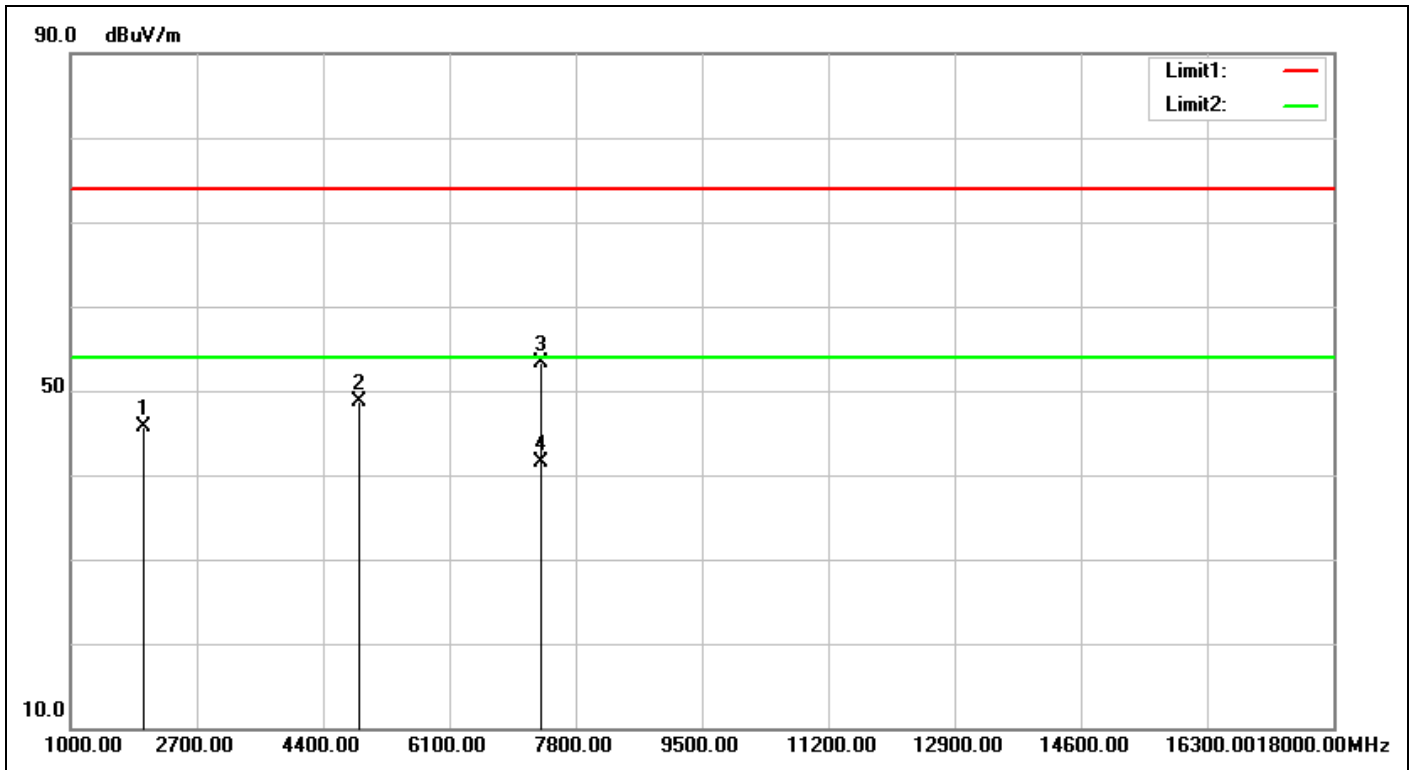
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 19:48:35
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-5.16	50.81	45.65	74.00	-28.35	peak	100	240	
2	4804.000	0.43	48.37	48.80	74.00	-25.20	peak	100	256	
3	7206.000	9.11	44.54	53.65	74.00	-20.35	peak	100	103	
4	7206.000	9.11	32.43	41.54	54.00	-12.46	AVG	100	103	



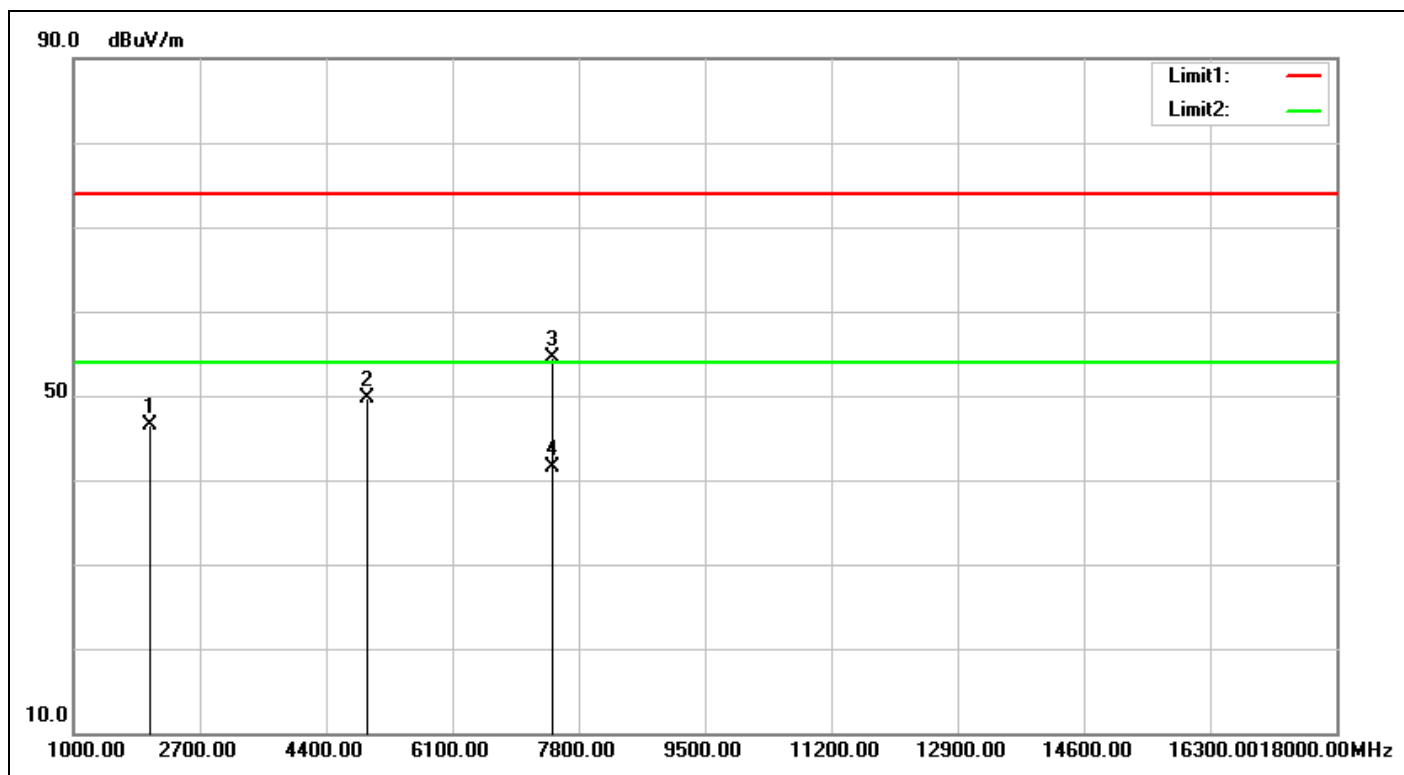
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Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1969.000	-5.30	51.04	45.74	74.00	-28.26	peak	100	125	
2	4882.000	0.67	49.44	50.11	74.00	-23.89	peak	100	153	
3	7323.000	9.45	45.05	54.50	74.00	-19.50	peak	100	349	
4	7323.000	9.45	32.18	41.63	54.00	-12.37	AVG	100	349	



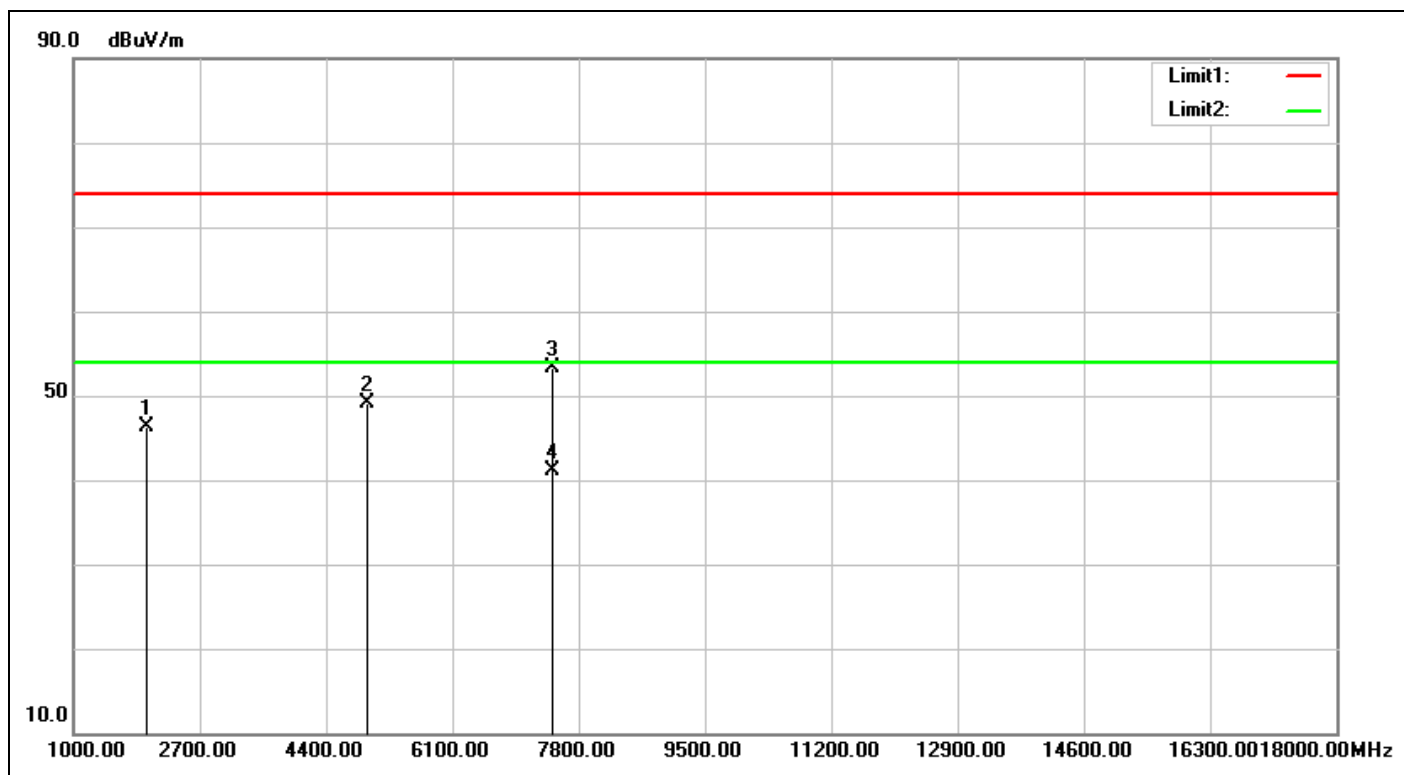
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Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%) :	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-5.16	50.84	45.68	74.00	-28.32	peak	100	188	
2	4882.000	0.67	48.11	48.78	74.00	-25.22	peak	100	318	
3	7323.000	9.45	43.94	53.39	74.00	-20.61	peak	100	130	
4	7323.000	9.45	31.97	41.42	54.00	-12.58	AVG	100	130	



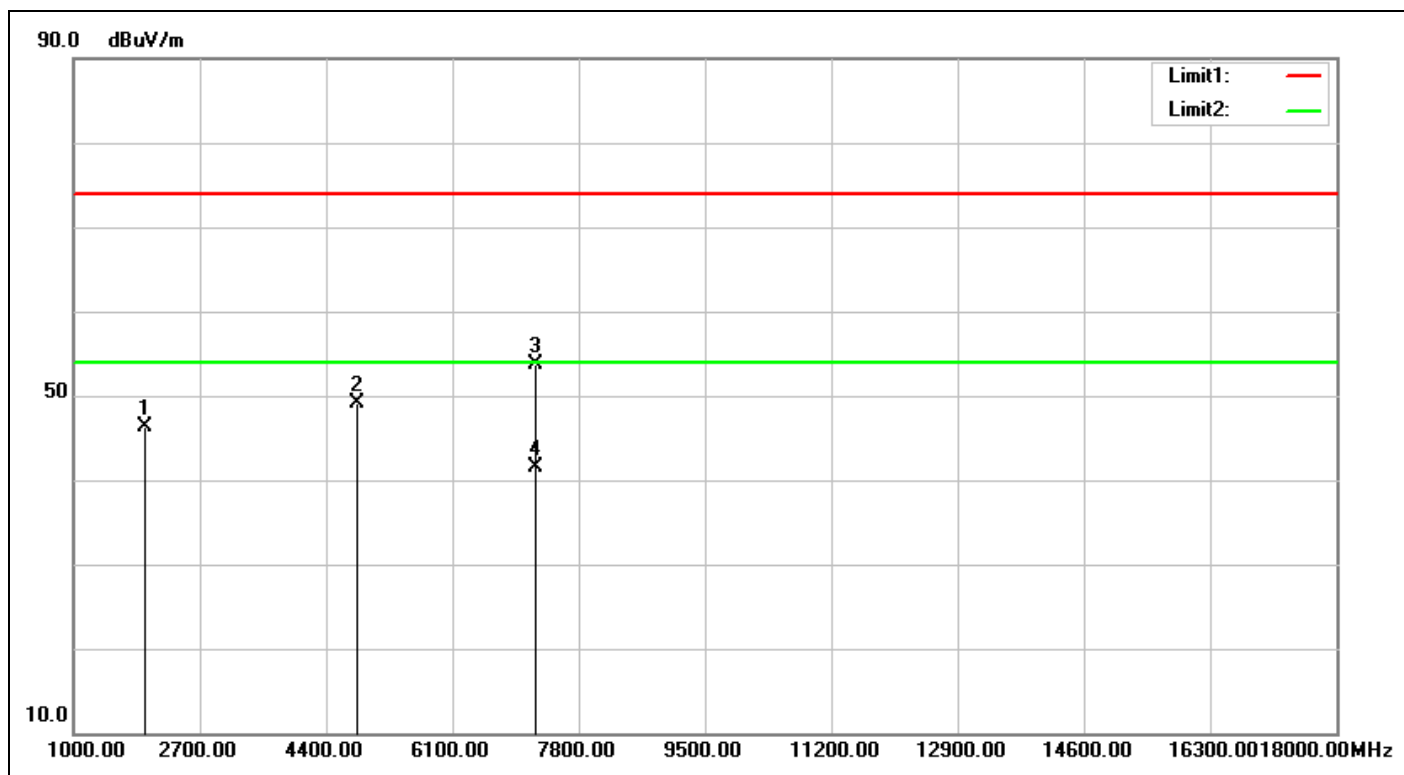
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Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2020.000	-5.05	51.49	46.44	74.00	-27.56	peak	100	316	
2	4960.000	0.90	48.83	49.73	74.00	-24.27	peak	100	167	
3	7440.000	9.79	44.80	54.59	74.00	-19.41	peak	100	352	
4	7440.000	9.79	31.69	41.48	54.00	-12.52	AVG	100	352	



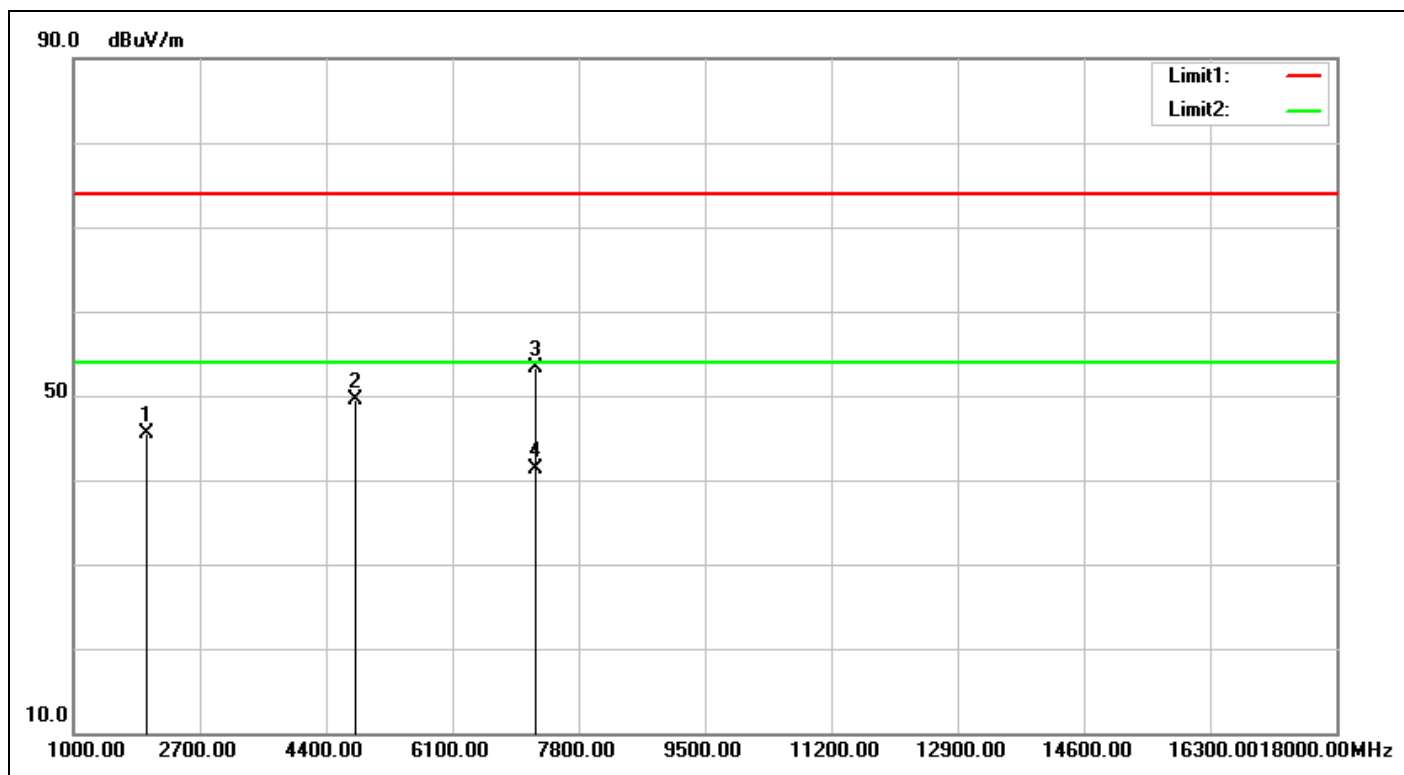
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Test item:	Radiation Emission	Test Time:	2017/8/29 19:58:27
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-5.16	51.41	46.25	74.00	-27.75	peak	100	334	
2	4960.000	0.90	48.27	49.17	74.00	-24.83	peak	100	135	
3	7440.000	9.79	43.49	53.28	74.00	-20.72	peak	100	119	
4	7440.000	9.79	31.39	41.18	54.00	-12.82	AVG	100	119	



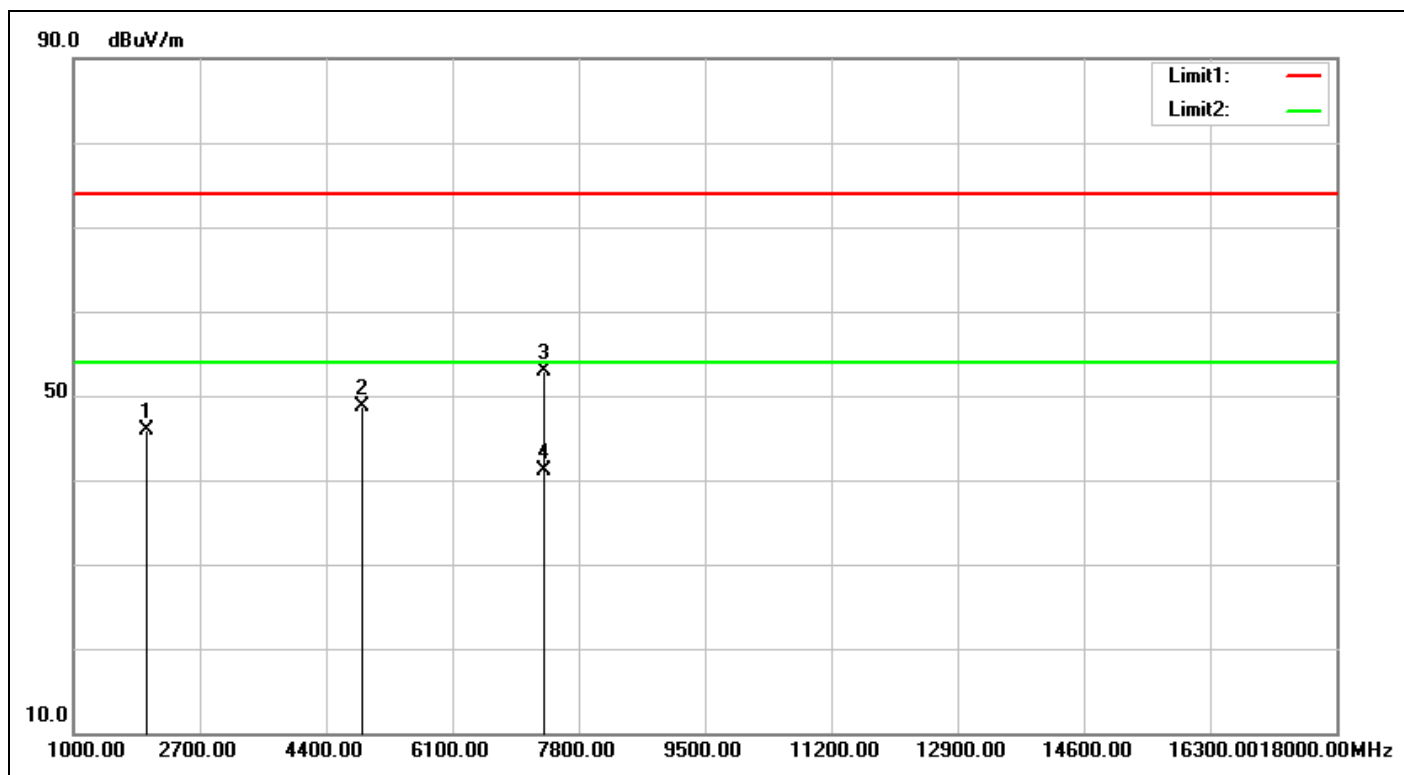
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Test item:	Radiation Emission	Test Time:	2017/8/29 20:02:32
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1952.000	-5.41	51.63	46.22	74.00	-27.78	peak	100	263	
2	4804.000	0.43	48.63	49.06	74.00	-24.94	peak	100	272	
3	7206.000	9.11	44.61	53.72	74.00	-20.28	peak	100	147	
4	7206.000	9.11	32.32	41.43	54.00	-12.57	AVG	100	147	



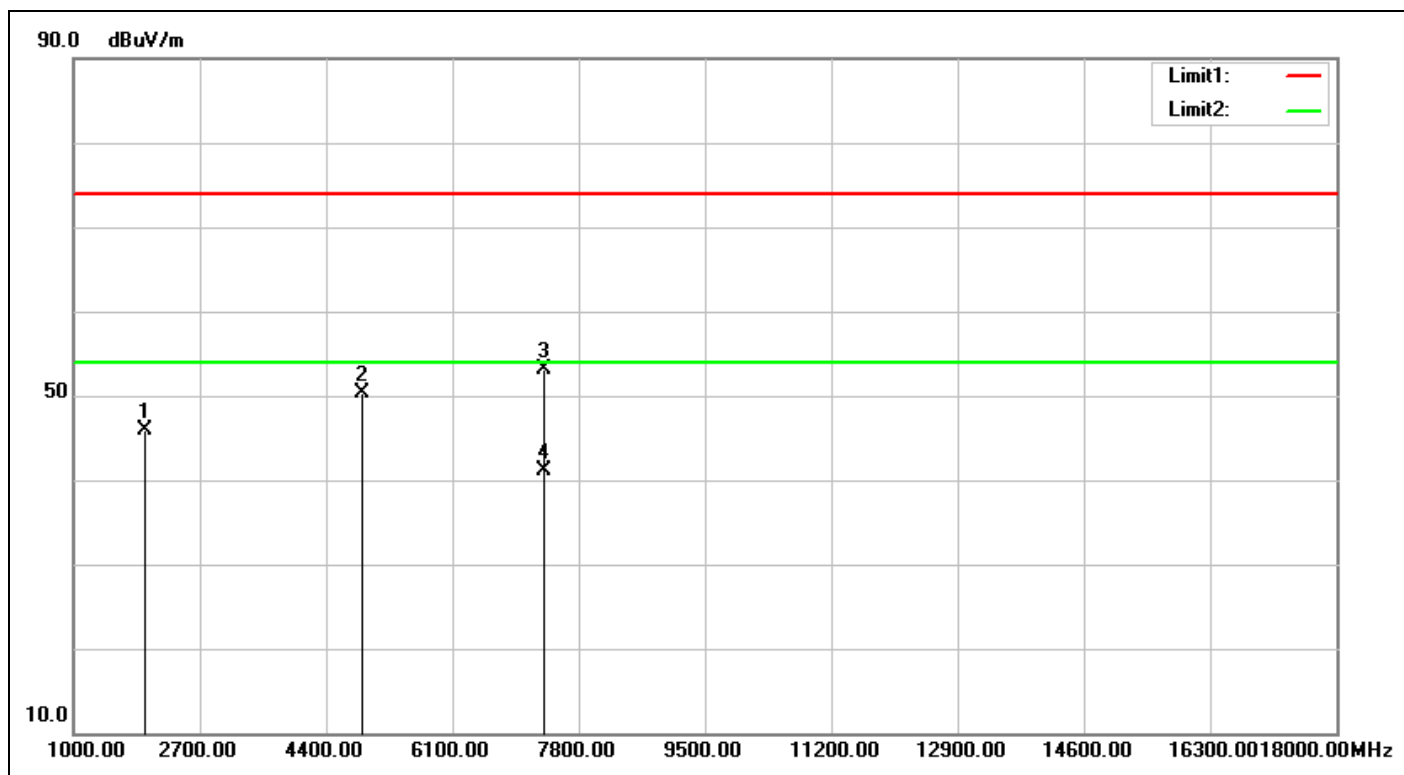
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:03:35
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-5.16	50.73	45.57	74.00	-28.43	peak	100	53	
2	4804.000	0.43	49.04	49.47	74.00	-24.53	peak	100	285	
3	7206.000	9.11	44.20	53.31	74.00	-20.69	peak	100	72	
4	7206.000	9.11	32.21	41.32	54.00	-12.68	AVG	100	72	



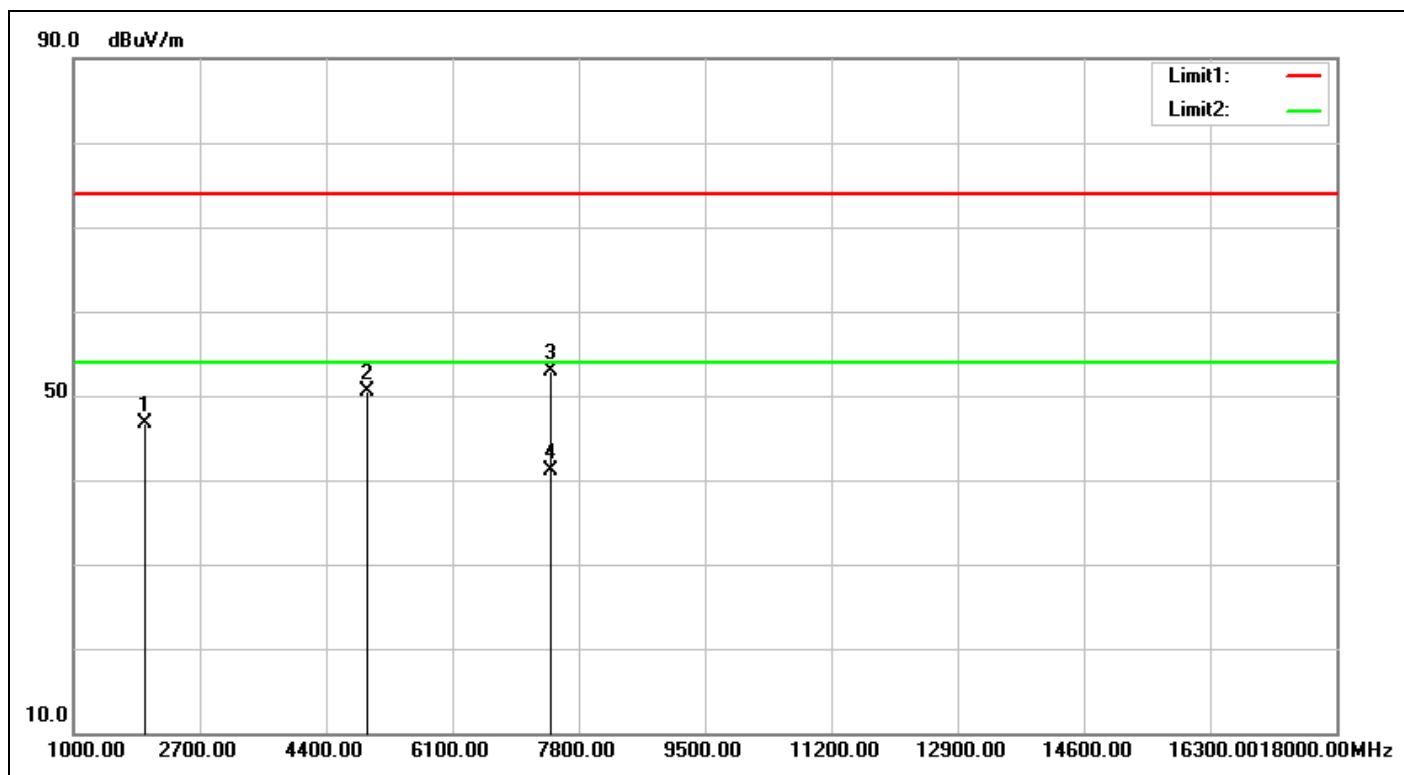
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:07:14
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-5.16	51.02	45.86	74.00	-28.14	peak	100	258	
2	4882.000	0.67	48.08	48.75	74.00	-25.25	peak	100	122	
3	7323.000	9.45	43.54	52.99	74.00	-21.01	peak	100	51	
4	7323.000	9.45	31.60	41.05	54.00	-12.95	AVG	100	51	



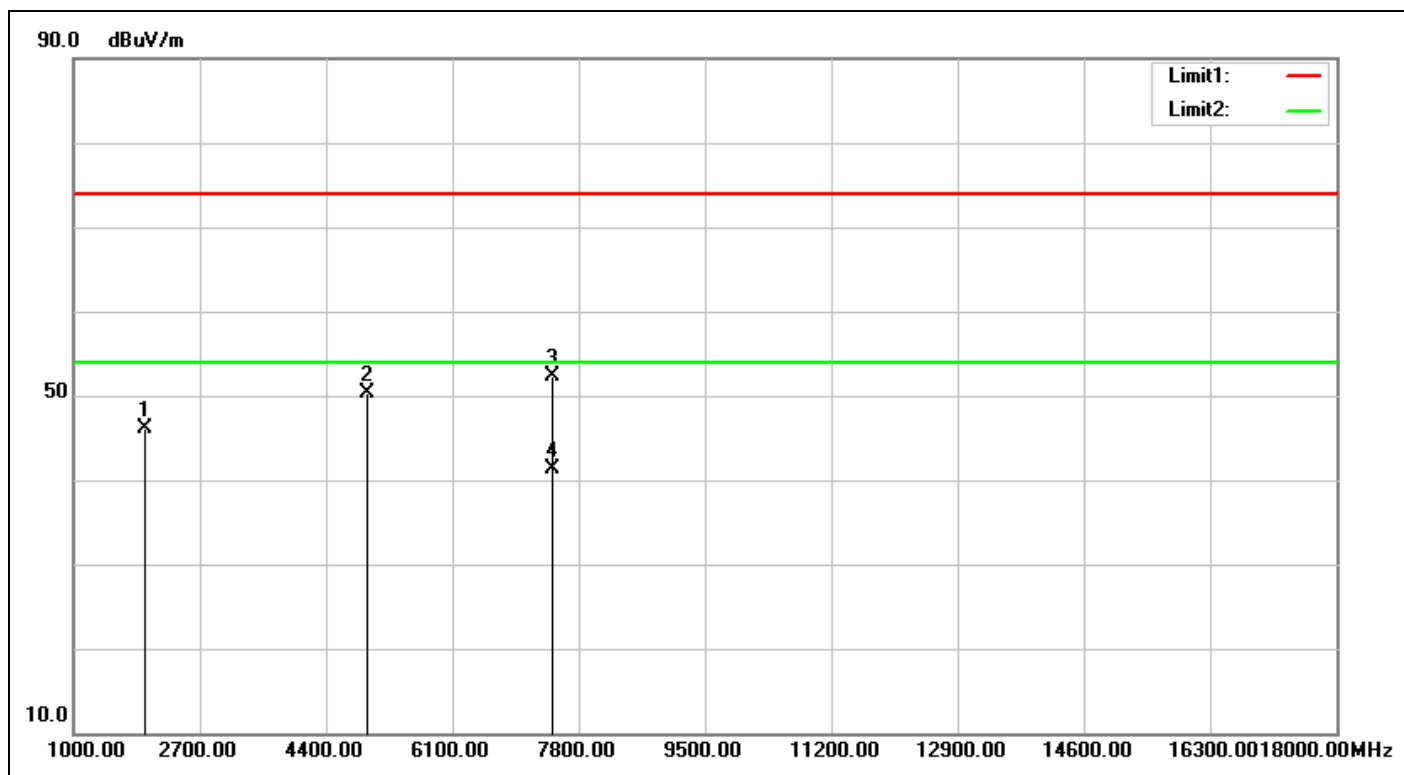
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:08:17
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1969.000	-5.30	51.19	45.89	74.00	-28.11	peak	100	186	
2	4882.000	0.67	49.65	50.32	74.00	-23.68	peak	100	177	
3	7323.000	9.45	43.67	53.12	74.00	-20.88	peak	100	194	
4	7323.000	9.45	31.66	41.11	54.00	-12.89	AVG	100	194	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:18:49
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1969.000	-5.30	52.07	46.77	74.00	-27.23	peak	100	219	
2	4960.000	0.90	49.68	50.58	74.00	-23.42	peak	100	355	
3	7440.000	9.79	43.15	52.94	74.00	-21.06	peak	100	241	
4	7440.000	9.79	31.26	41.05	54.00	-12.95	AVG	100	241	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:19:52
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%) :	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1969.000	-5.30	51.43	46.13	74.00	-27.87	peak	100	323	
2	4960.000	0.90	49.44	50.34	74.00	-23.66	peak	100	340	
3	7440.000	9.79	42.46	52.25	74.00	-21.75	peak	100	276	
4	7440.000	9.79	31.56	41.35	54.00	-12.65	AVG	100	276	

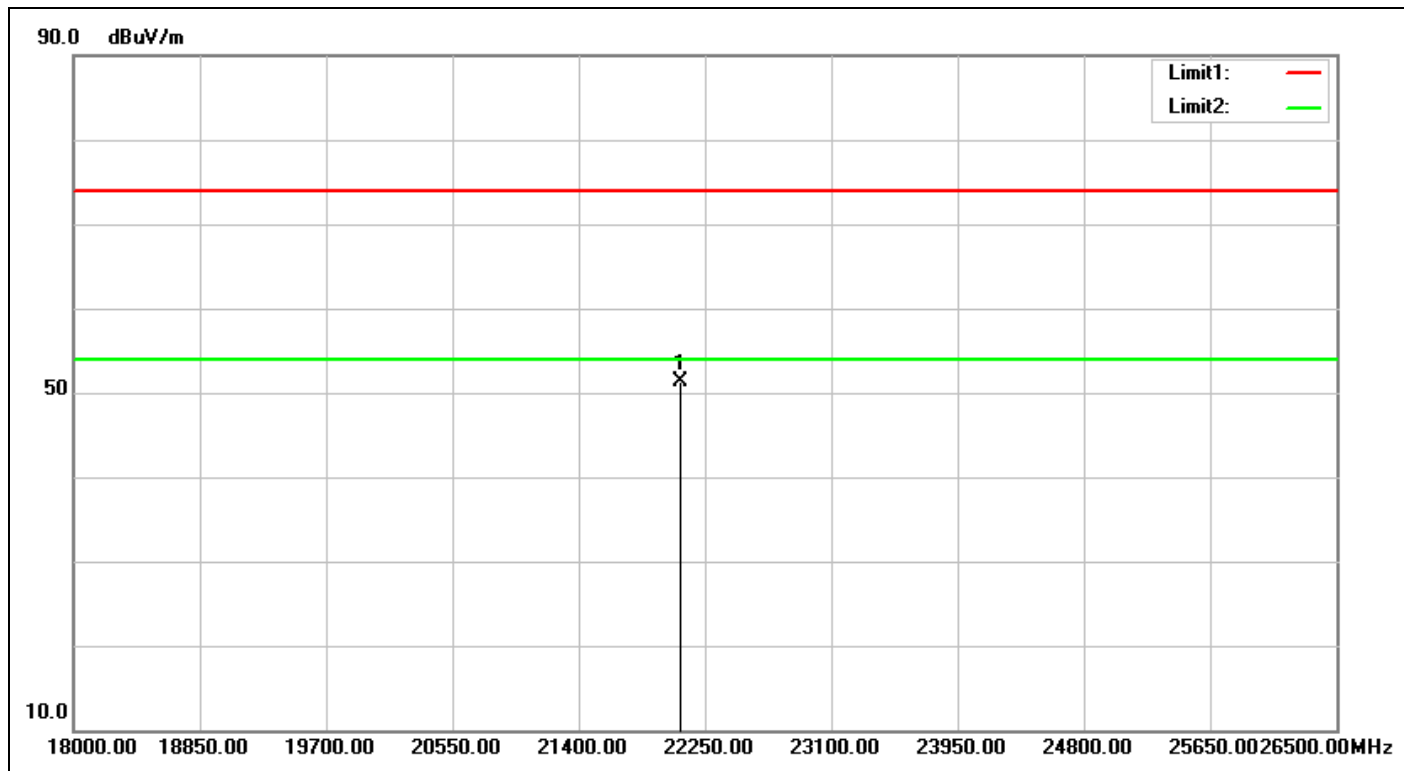
Spurious Emissions, TX Mode, 18-26.5G



TUV Rheinland Taiwan Ltd.

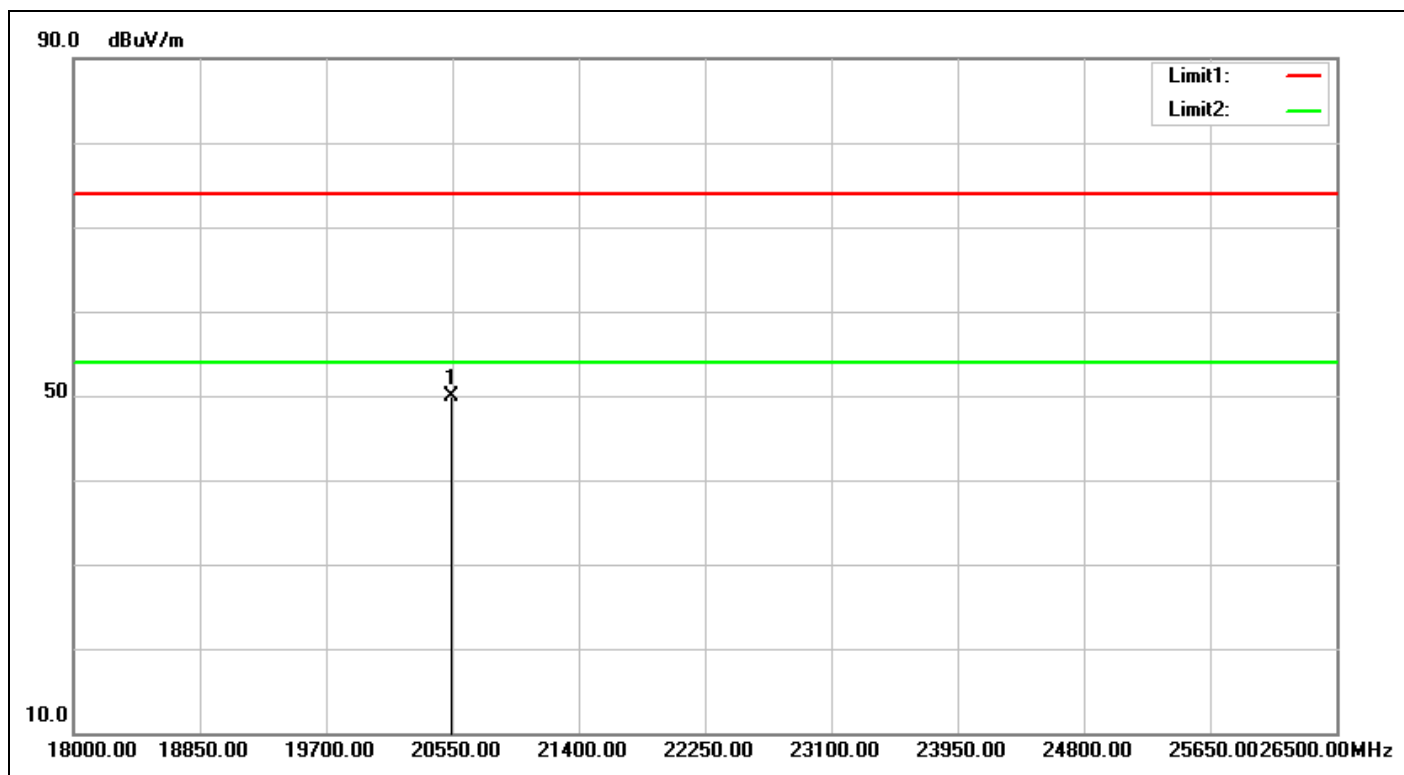
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



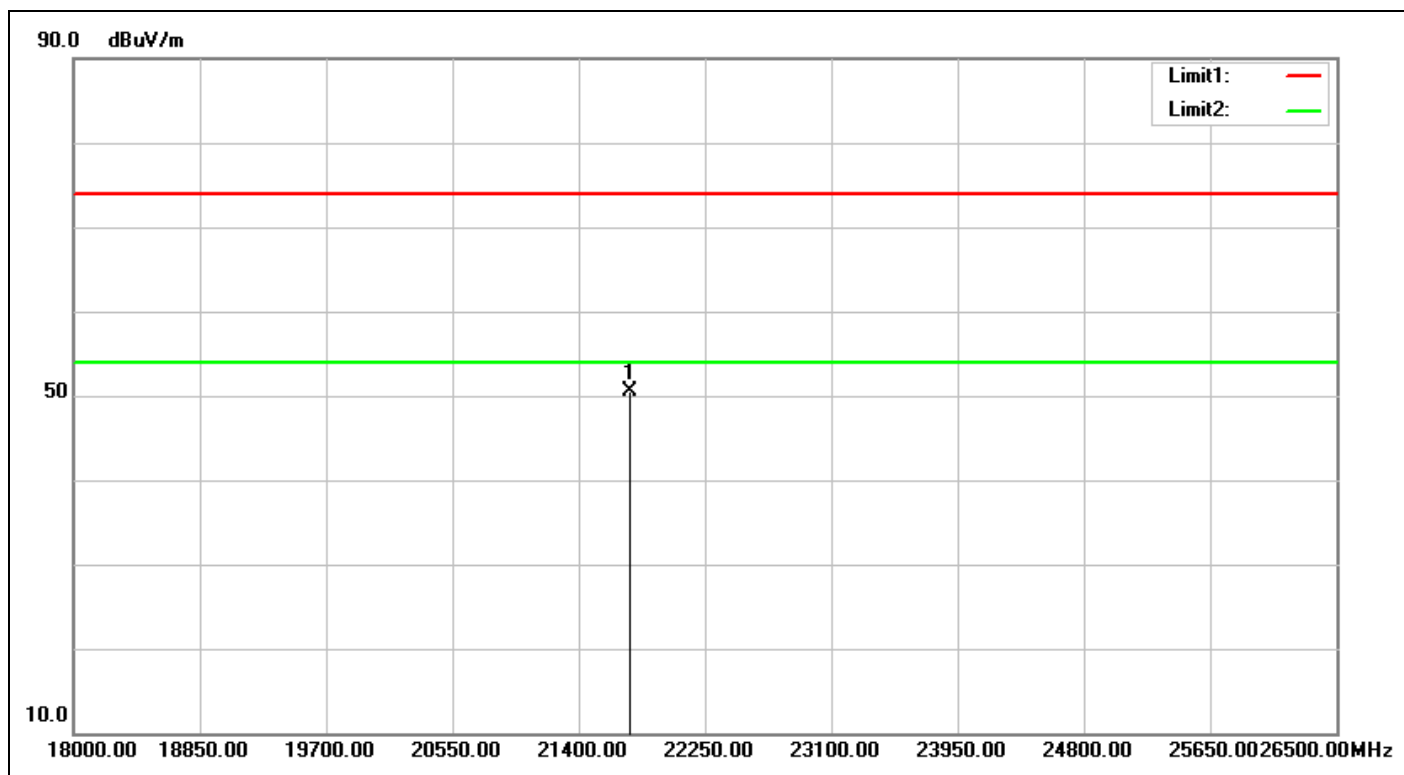
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:44:20
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22088.500	32.61	18.72	51.33	74.00	-22.67	peak	100	134	



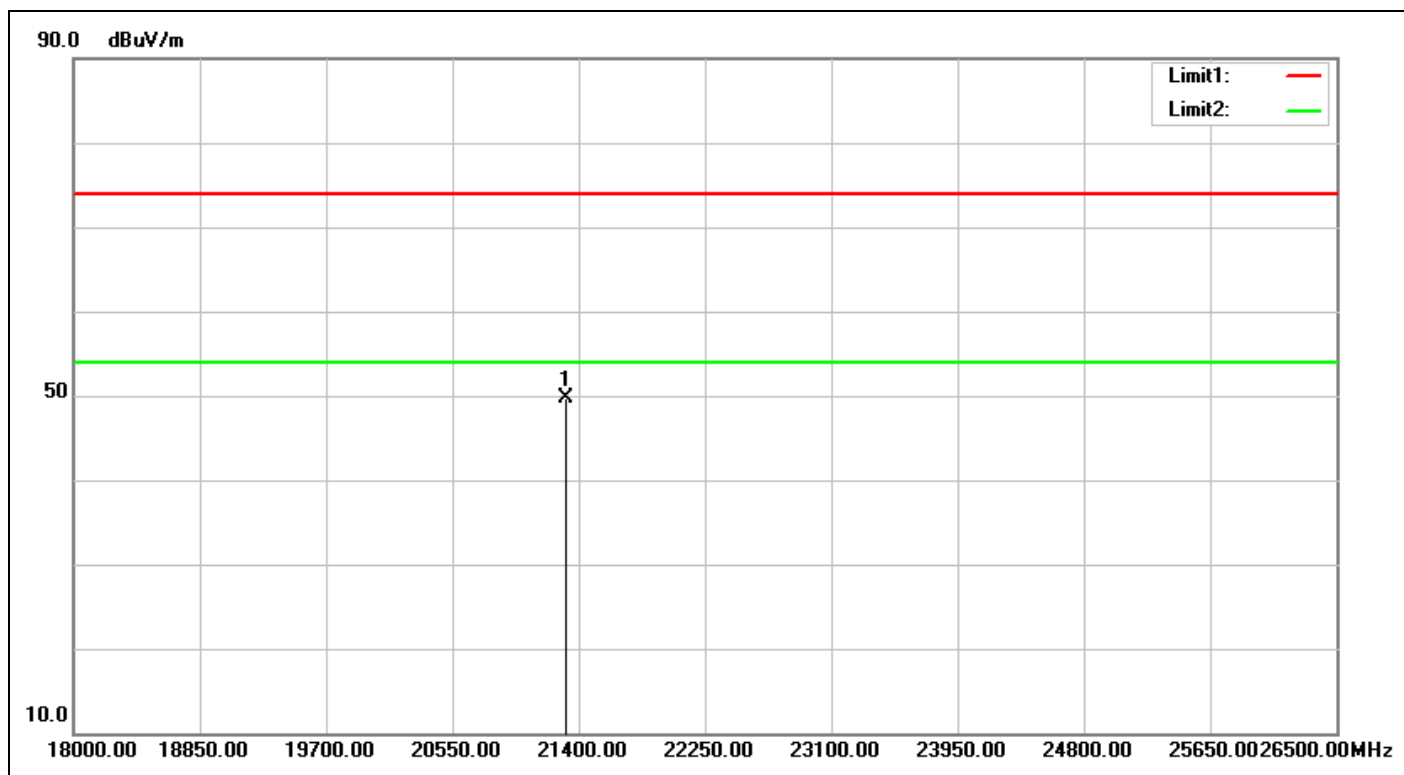
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:45:40
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20541.500	31.14	18.78	49.92	74.00	-24.08	peak	100	267	



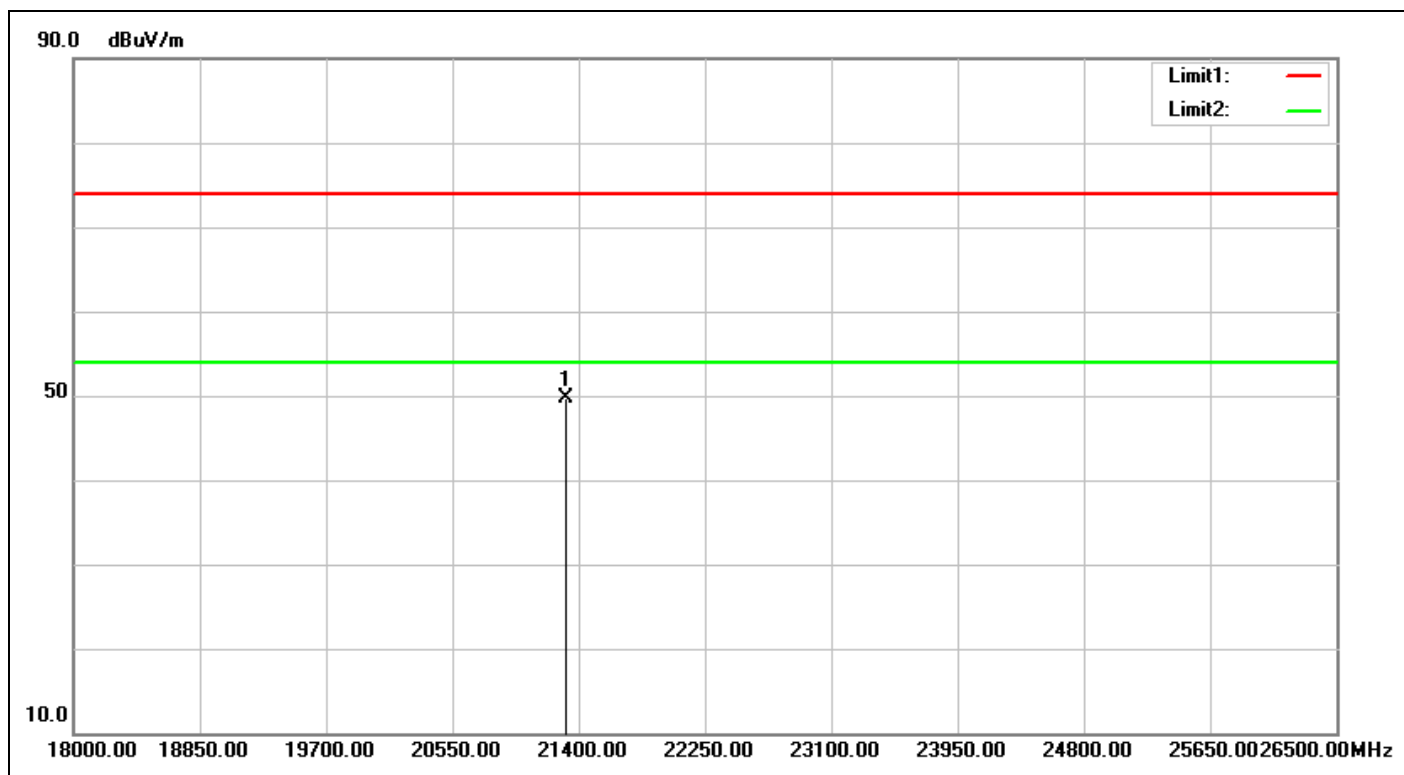
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:46:41
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21740.000	32.43	18.03	50.46	74.00	-23.54	peak			



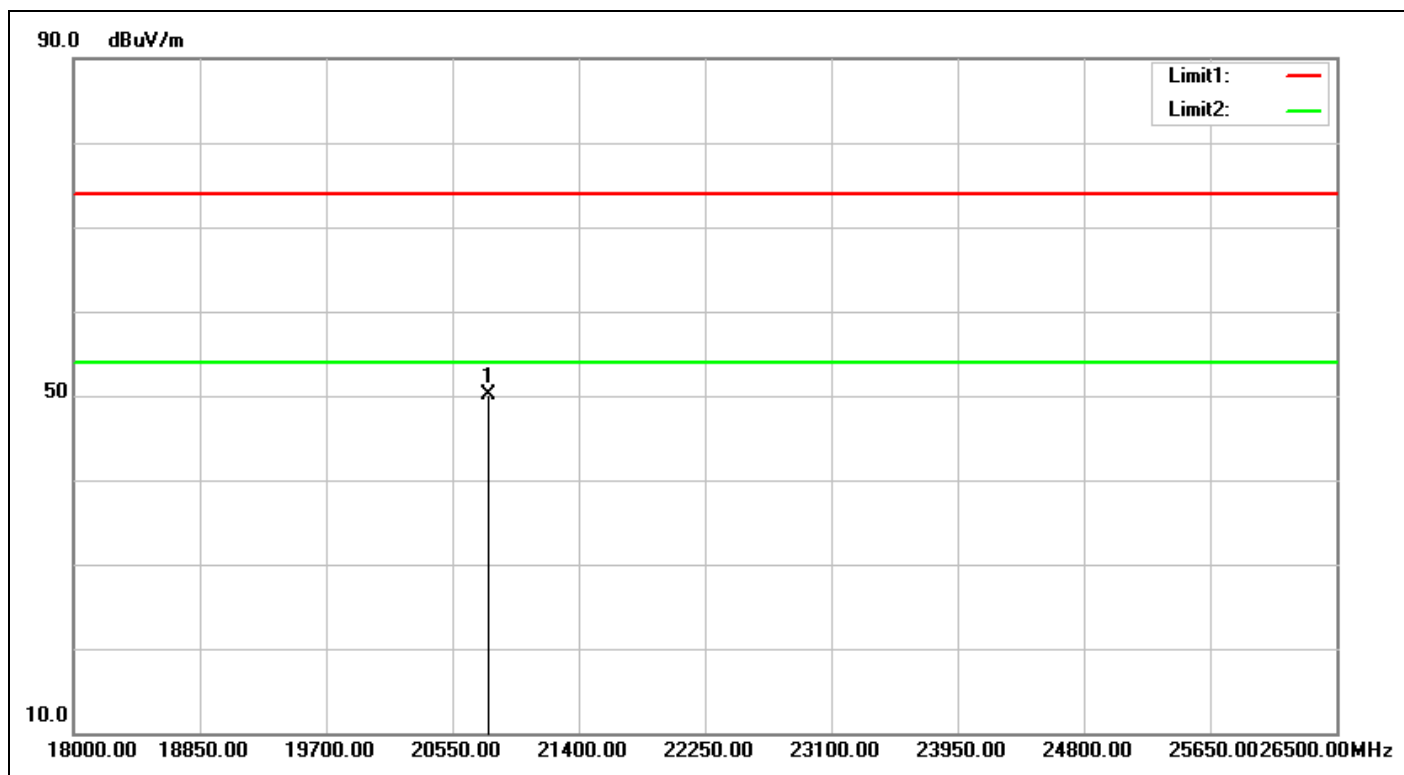
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:47:29
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21315.000	31.93	17.87	49.80	74.00	-24.20	peak	100	294	



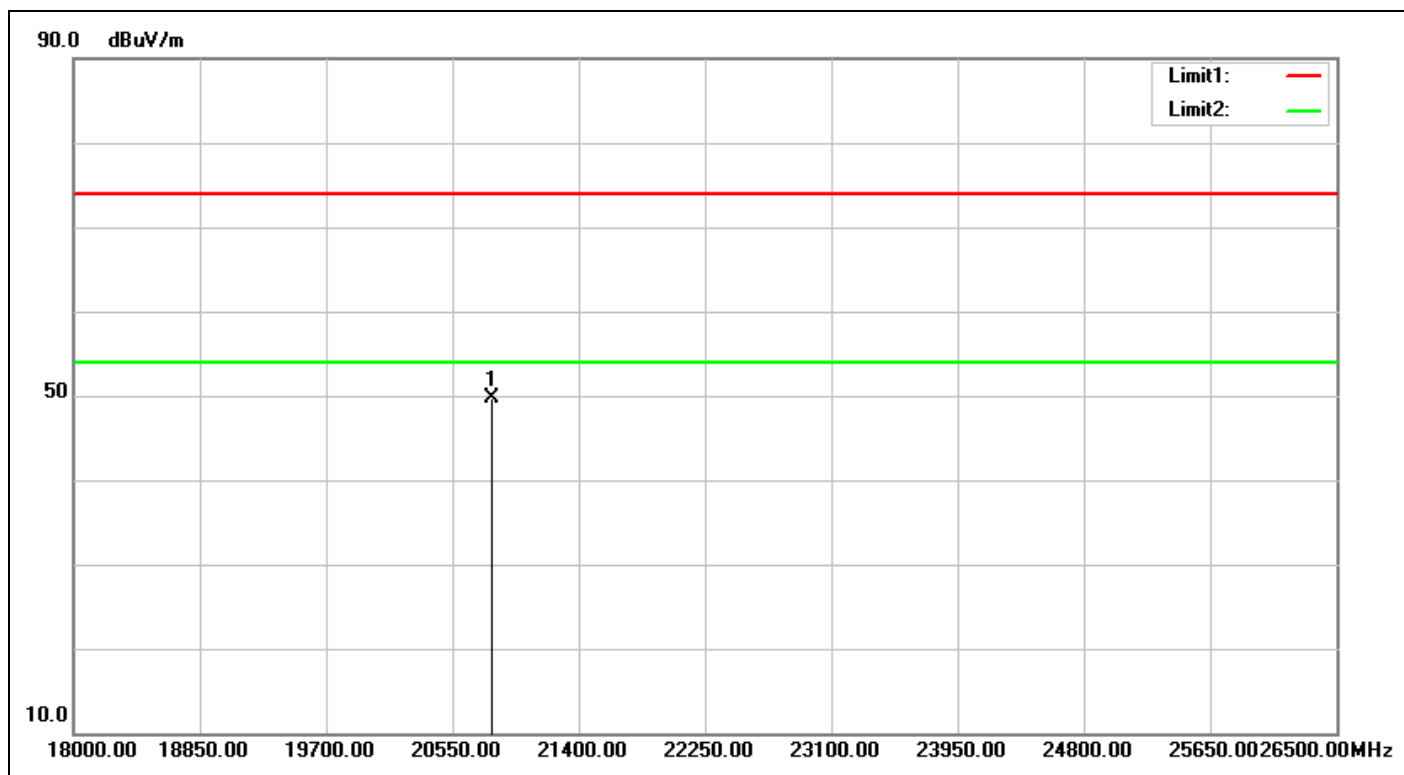
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:49:24
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%) :	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21315.000	31.93	17.82	49.75	74.00	-24.25	peak	100	264	



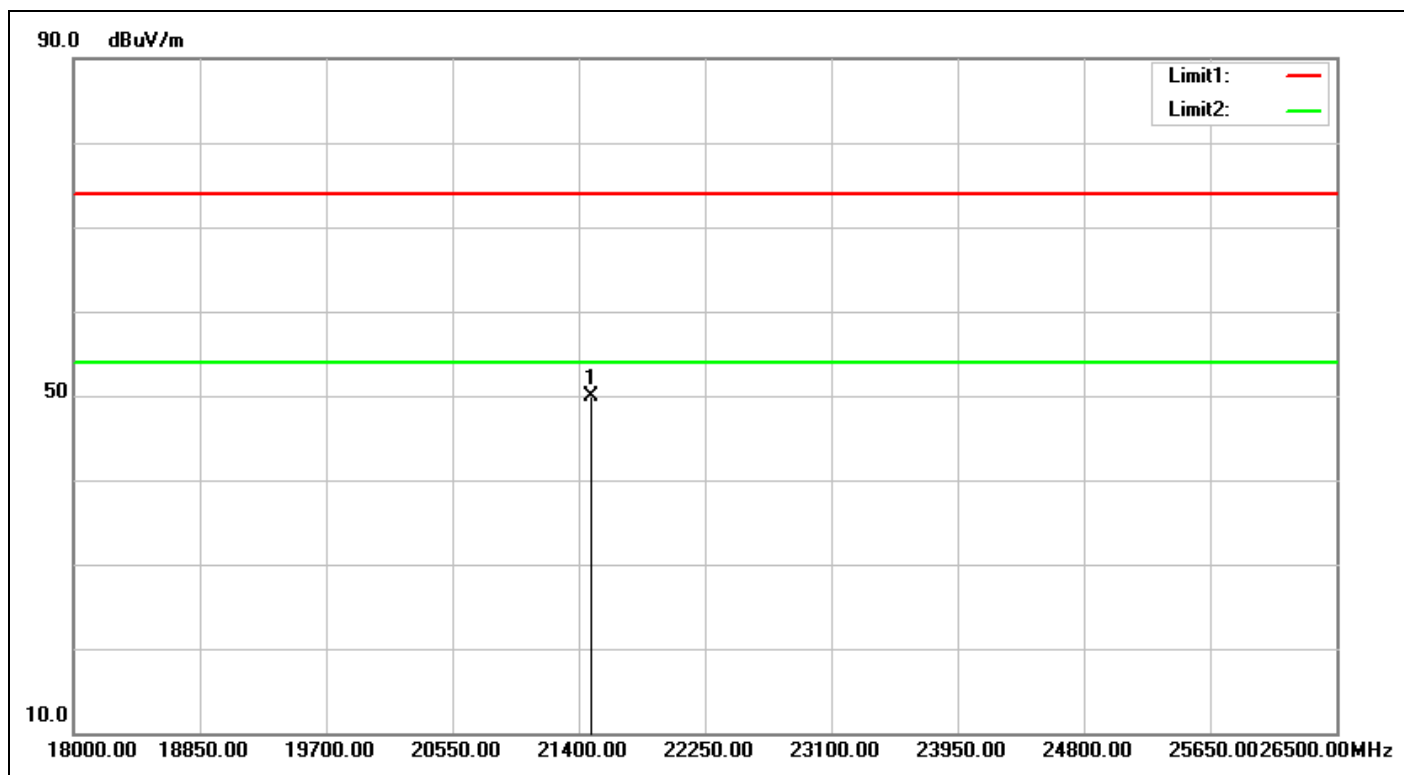
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:50:54
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20788.000	31.32	18.84	50.16	74.00	-23.84	peak	100	112	



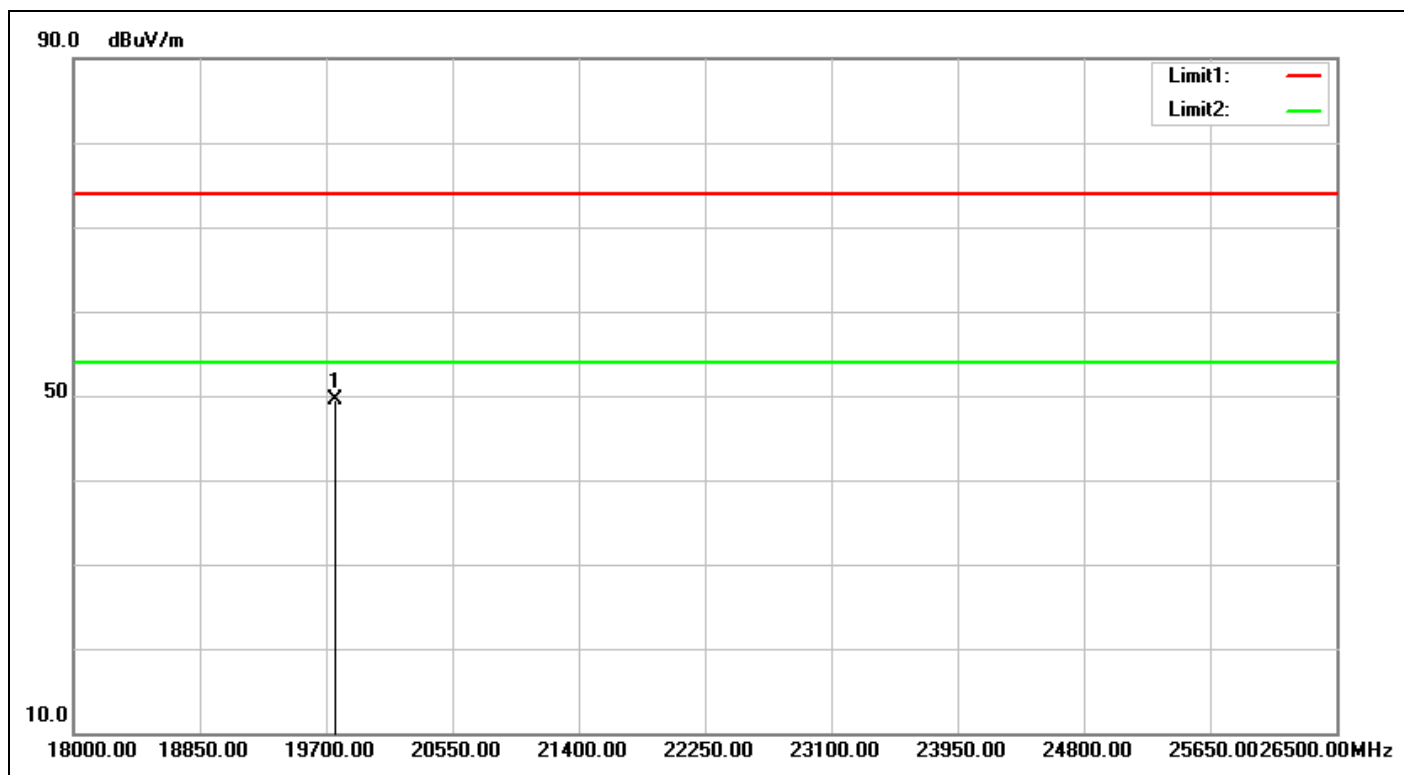
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:51:48
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20813.500	31.34	18.31	49.65	74.00	-24.35	peak	100	67	



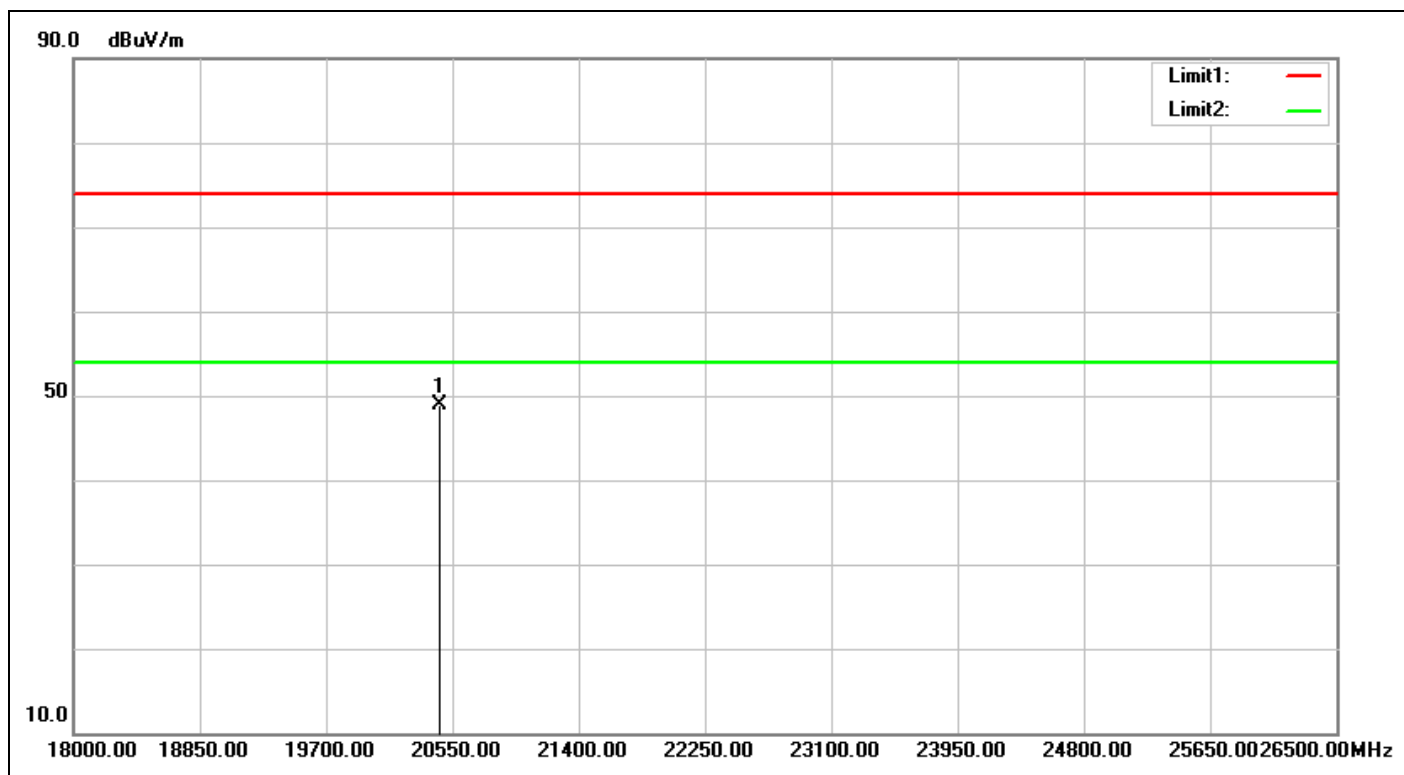
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:52:42
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21485.000	32.17	17.83	50.00	74.00	-24.00	peak	100	154	



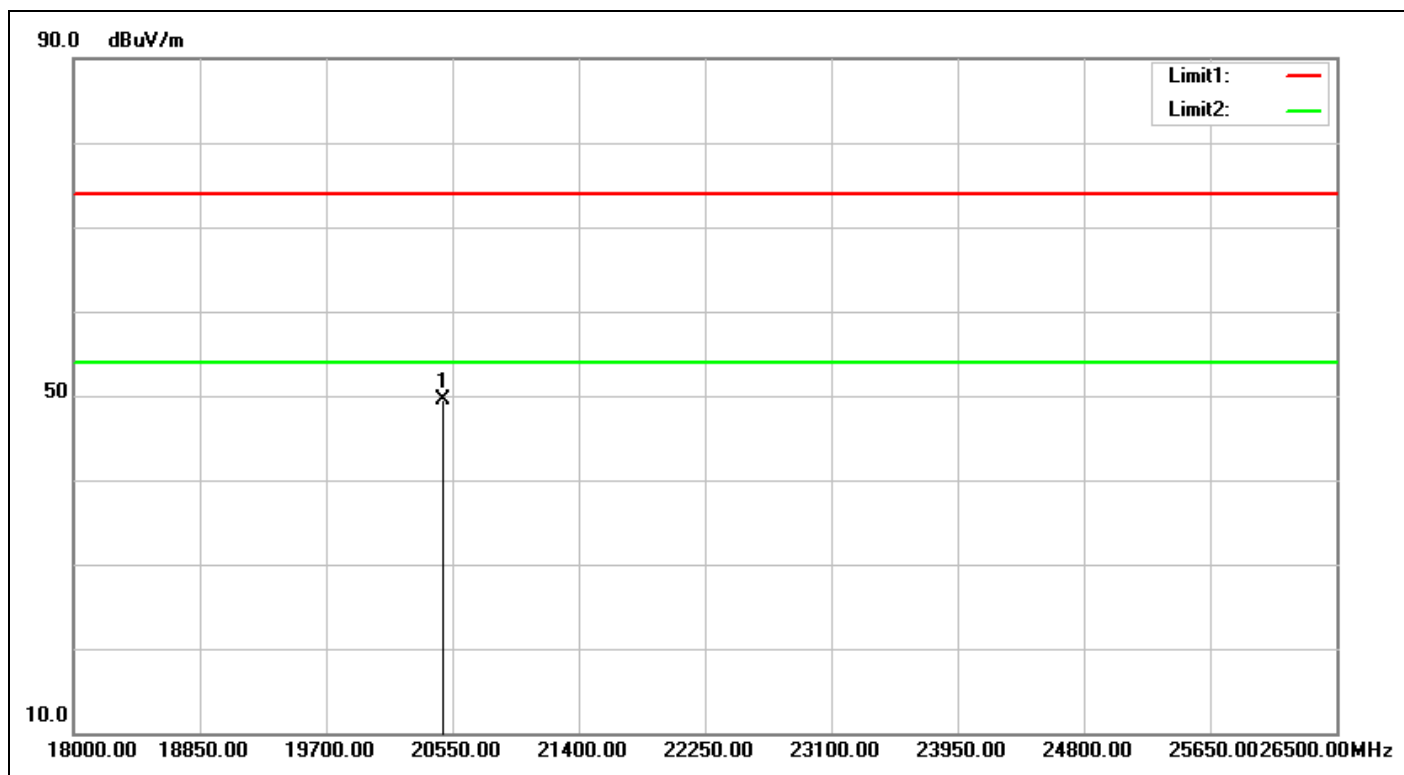
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:54:11
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19759.500	30.47	19.07	49.54	74.00	-24.46	peak	100	169	



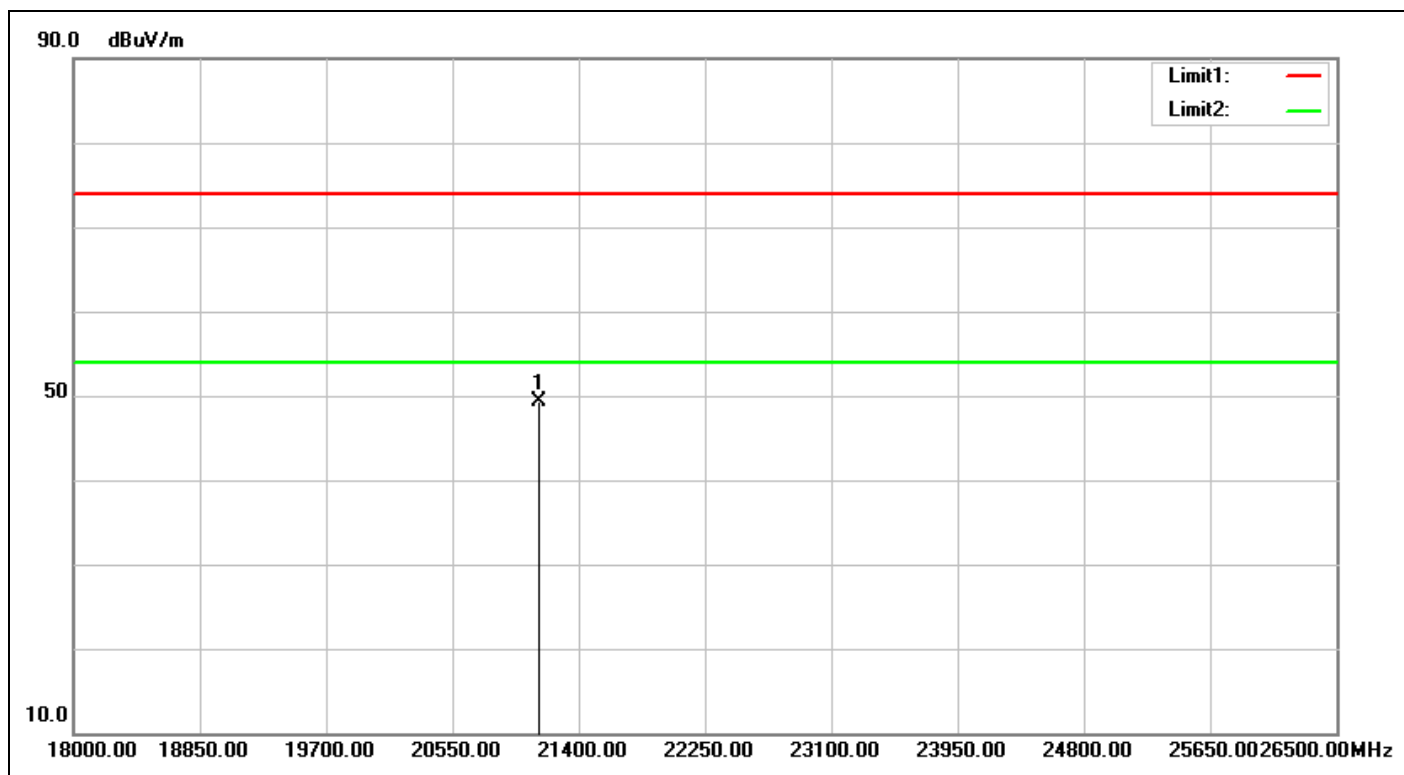
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:55:29
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20465.000	31.08	17.86	48.94	74.00	-25.06	peak	100	231	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 21:01:06
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20482.000	31.09	18.48	49.57	74.00	-24.43	peak	100	305	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 21:02:03
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21128.000	31.65	17.75	49.40	74.00	-24.60	peak	100	195	

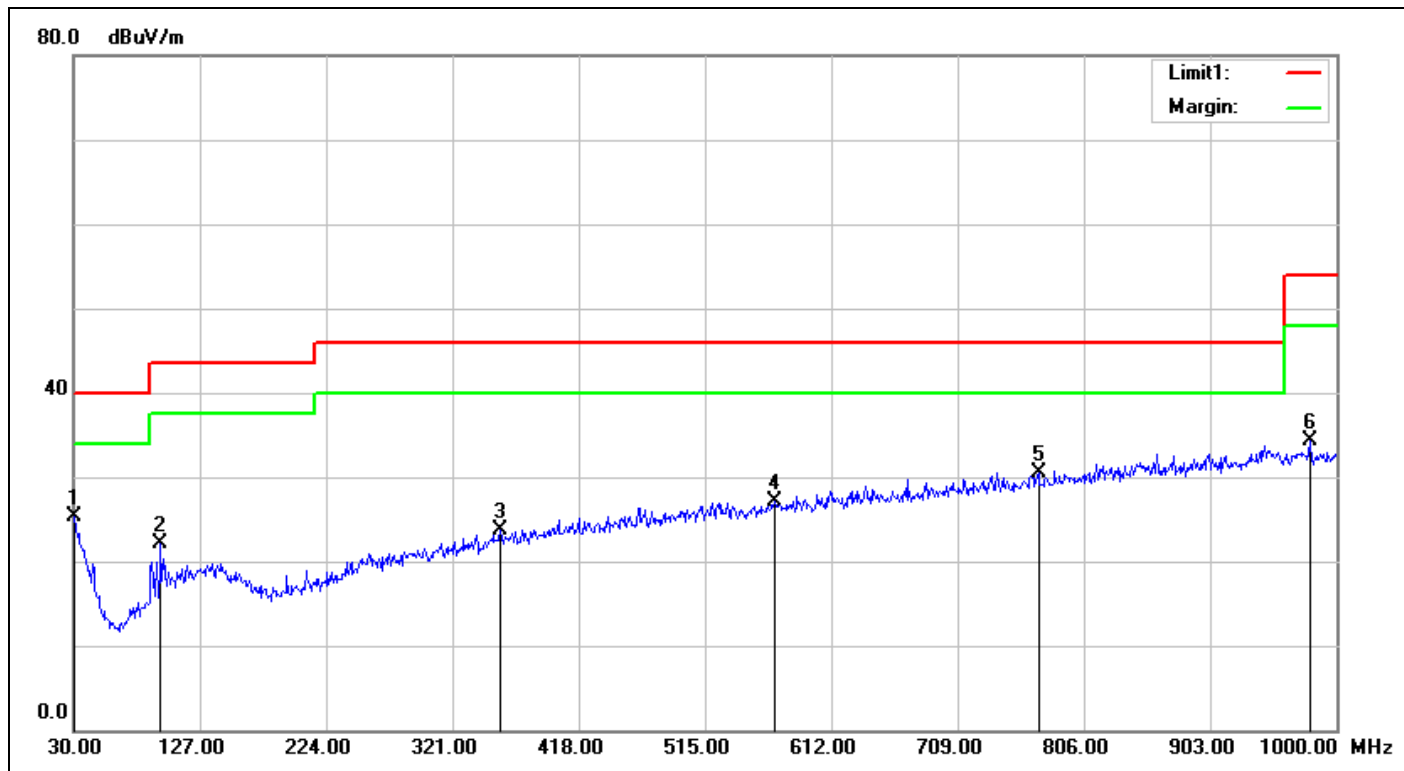
Spurious Emissions, TX Mode, 30M-1GHz



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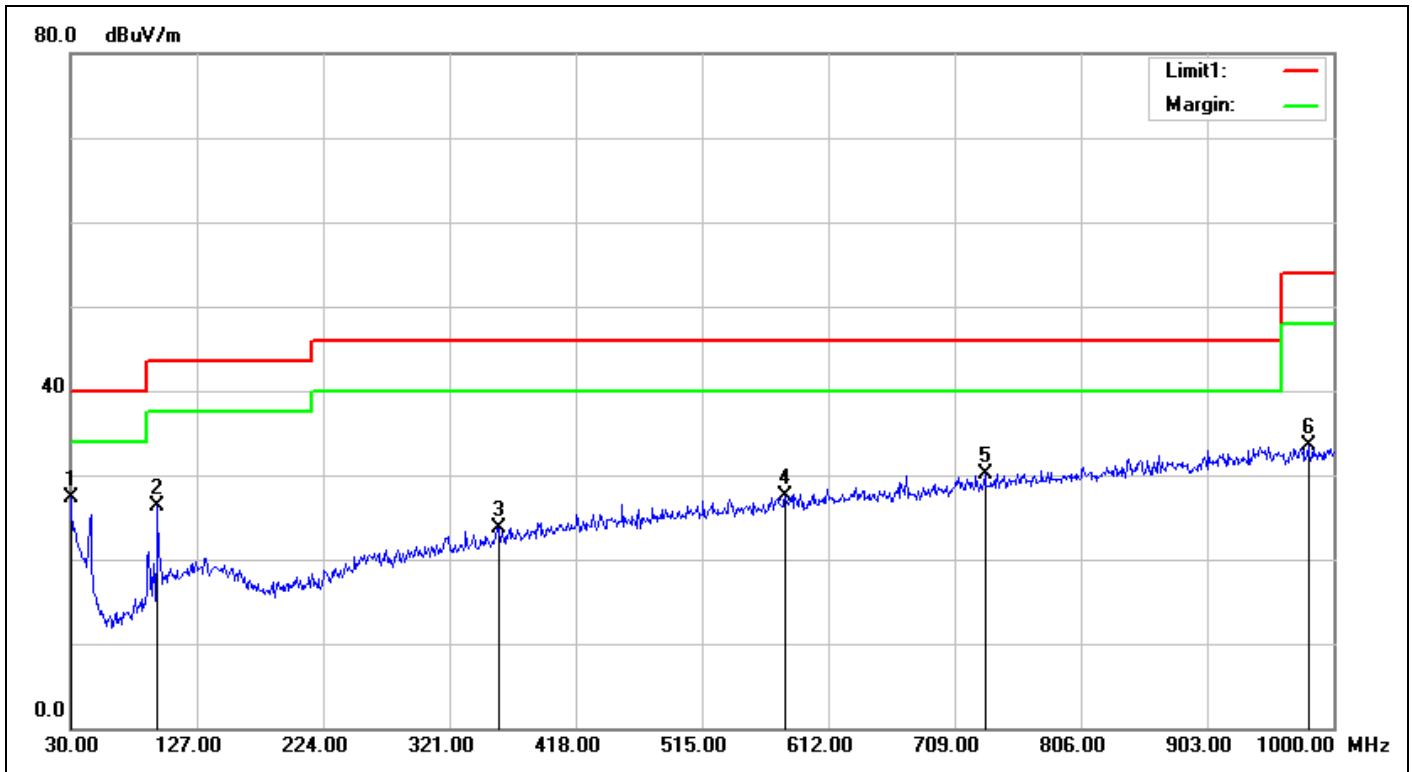
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 21:13:46
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-0.36	25.67	25.31	40.00	-14.69	QP	300	314	
2	96.9300	-9.59	31.62	22.03	43.50	-21.47	QP	200	277	
3	357.8600	-2.88	26.57	23.69	46.00	-22.31	QP	100	358	
4	568.3500	-0.12	27.19	27.07	46.00	-18.93	QP	300	142	
5	771.0800	2.76	27.71	30.47	46.00	-15.53	QP	200	357	
6	979.6300	5.93	28.45	34.38	54.00	-19.62	QP	300	216	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 21:18:39
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%) :	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	0.12	27.16	27.28	40.00	-12.72	QP	115	258	
2	96.9300	-9.59	35.82	26.23	43.50	-17.27	QP	100	184	
3	358.8300	-2.87	26.58	23.71	46.00	-22.29	QP	270	360	
4	579.0200	0.03	27.41	27.44	46.00	-18.56	QP	200	141	
5	732.2800	2.09	28.10	30.19	46.00	-15.81	QP	200	179	
6	980.6000	5.93	27.52	33.45	54.00	-20.55	QP	300	94	

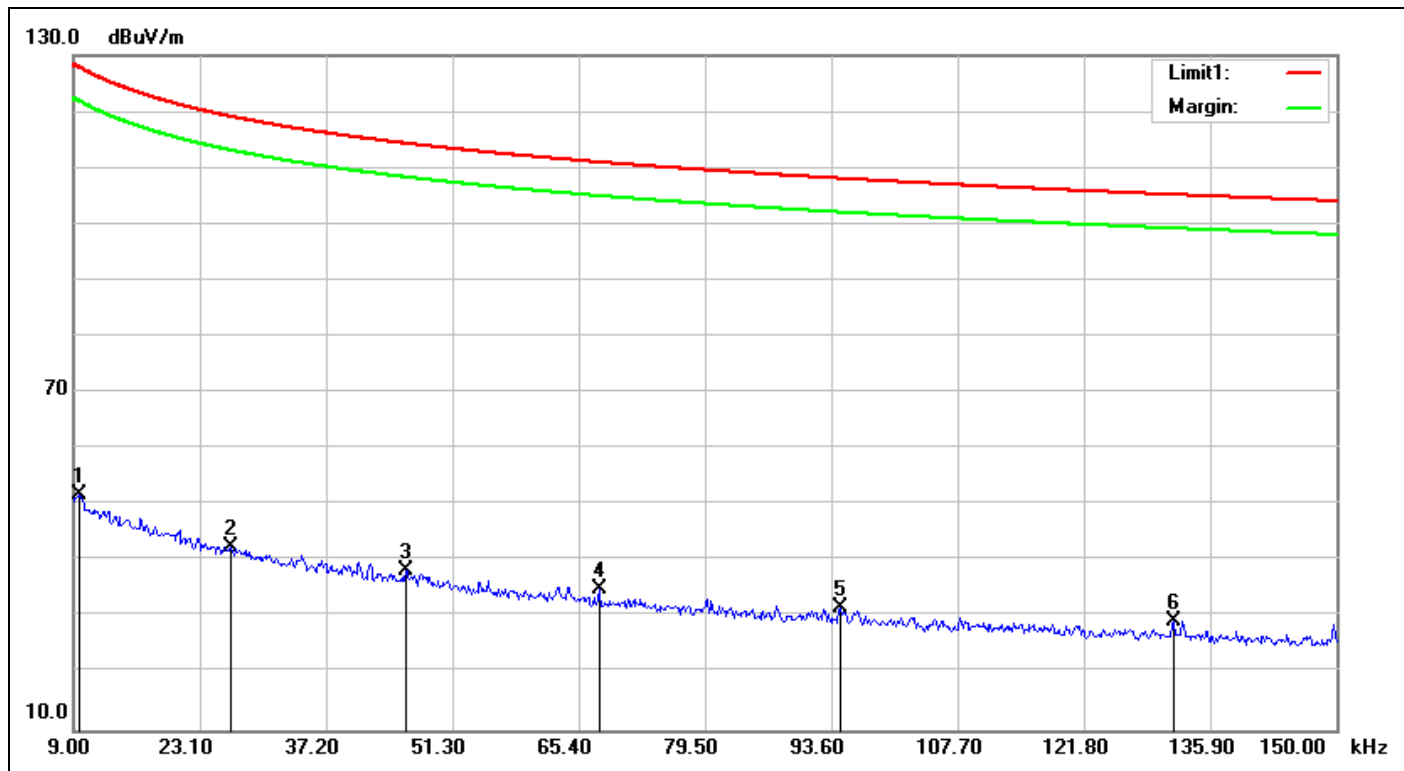
Spurious Emissions, TX Mode, 9k-30MHz



TUV Rheinland Taiwan Ltd.

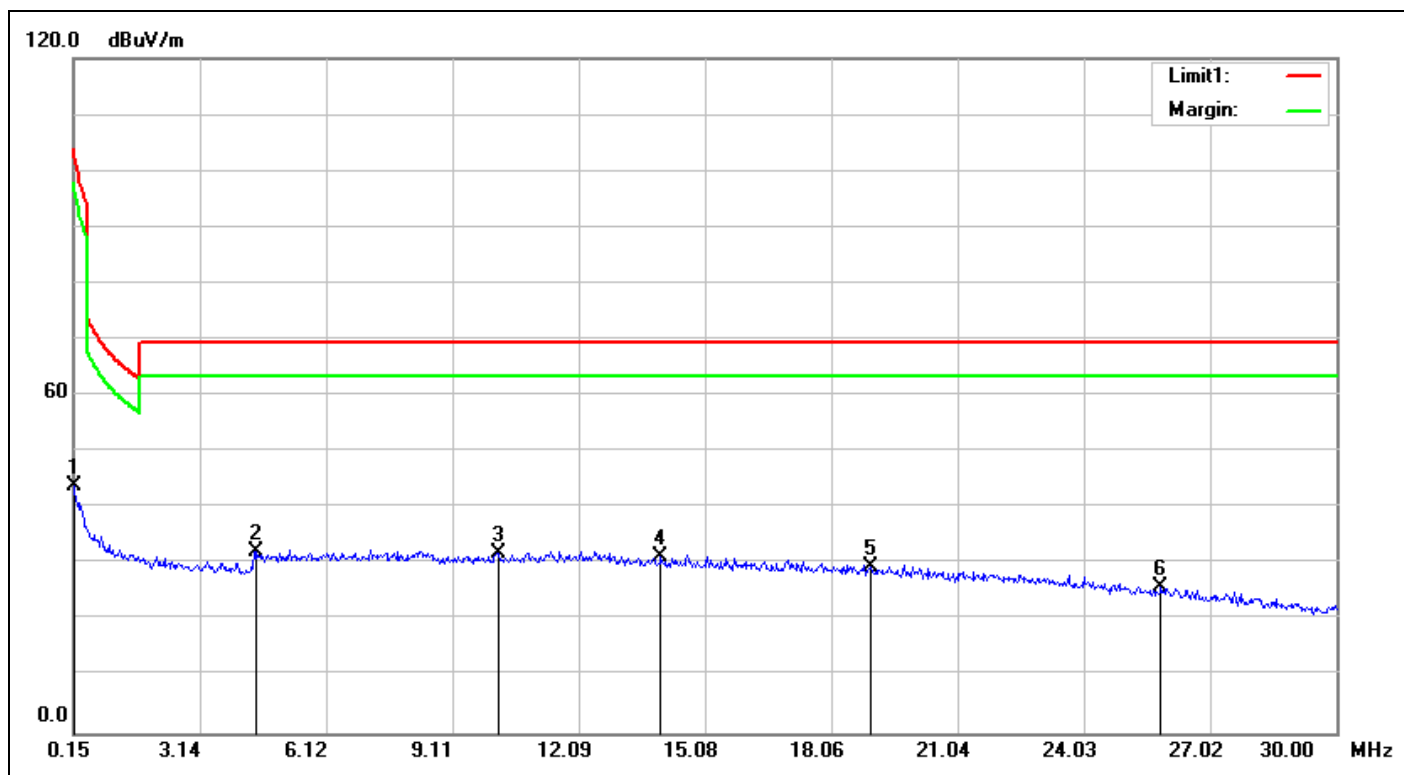
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/8/29 21:43:18
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0096	19.77	32.11	51.88	127.94	-76.06	QP	100	248	
2	0.0265	20.10	22.54	42.64	119.13	-76.49	QP	100	232	
3	0.0461	19.57	18.74	38.31	114.32	-76.01	QP	100	218	
4	0.0677	19.32	15.67	34.99	110.98	-75.99	QP	100	106	
5	0.0946	19.16	12.63	31.79	108.08	-76.29	QP	100	115	
6	0.1318	19.10	10.19	29.29	105.20	-75.91	QP	100	307	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/8/29 21:45:26
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Tx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	24.76	43.84	104.08	-60.24	QP	100	215	
2	4.4782	19.44	12.85	32.29	69.50	-37.21	QP	100	134	
3	10.1796	20.25	11.59	31.84	69.50	-37.66	QP	100	351	
4	14.0302	20.94	10.29	31.23	69.50	-38.27	QP	100	196	
5	18.9853	21.81	7.77	29.58	69.50	-39.92	QP	100	230	
6	25.8508	22.37	3.66	26.03	69.50	-43.47	QP	100	167	

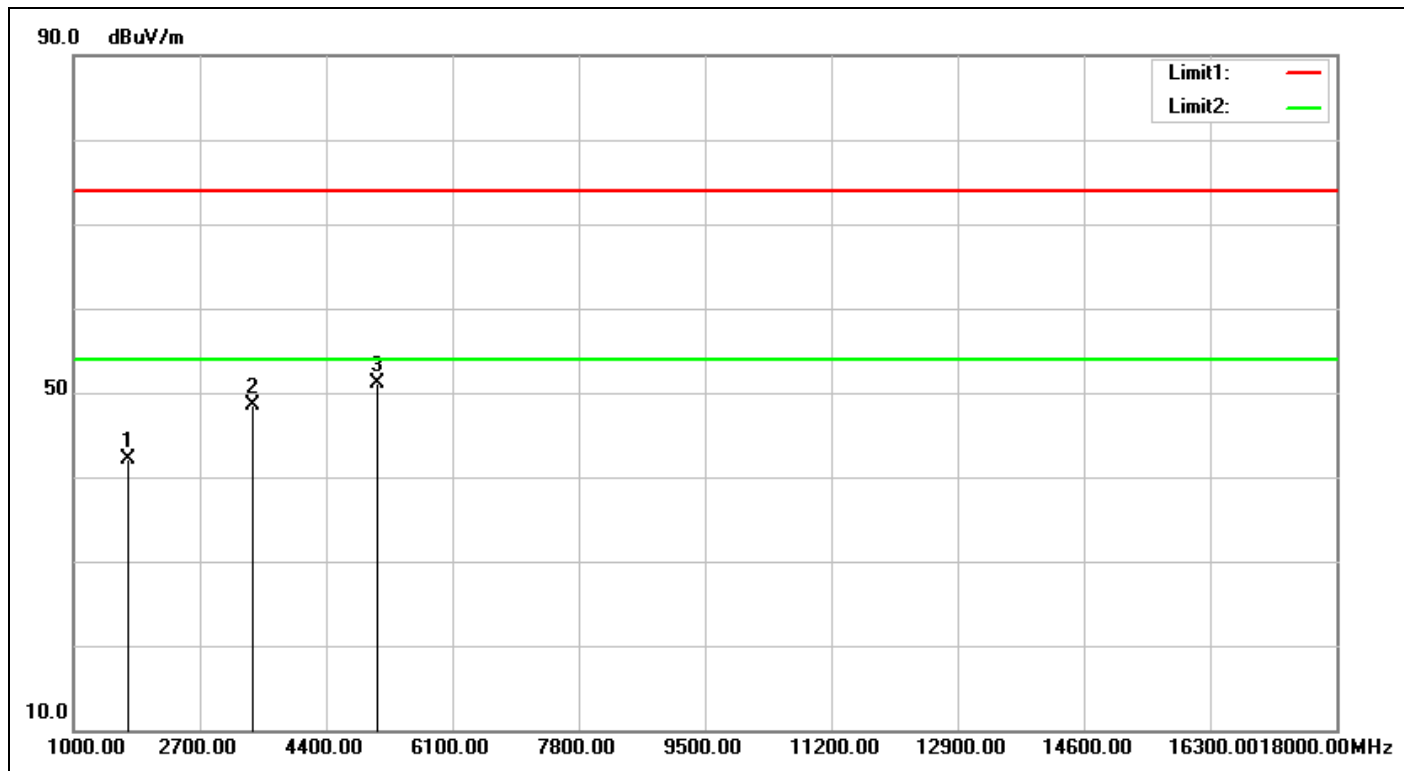
Spurious Emissions, Receiver Mode, 1-18GHz



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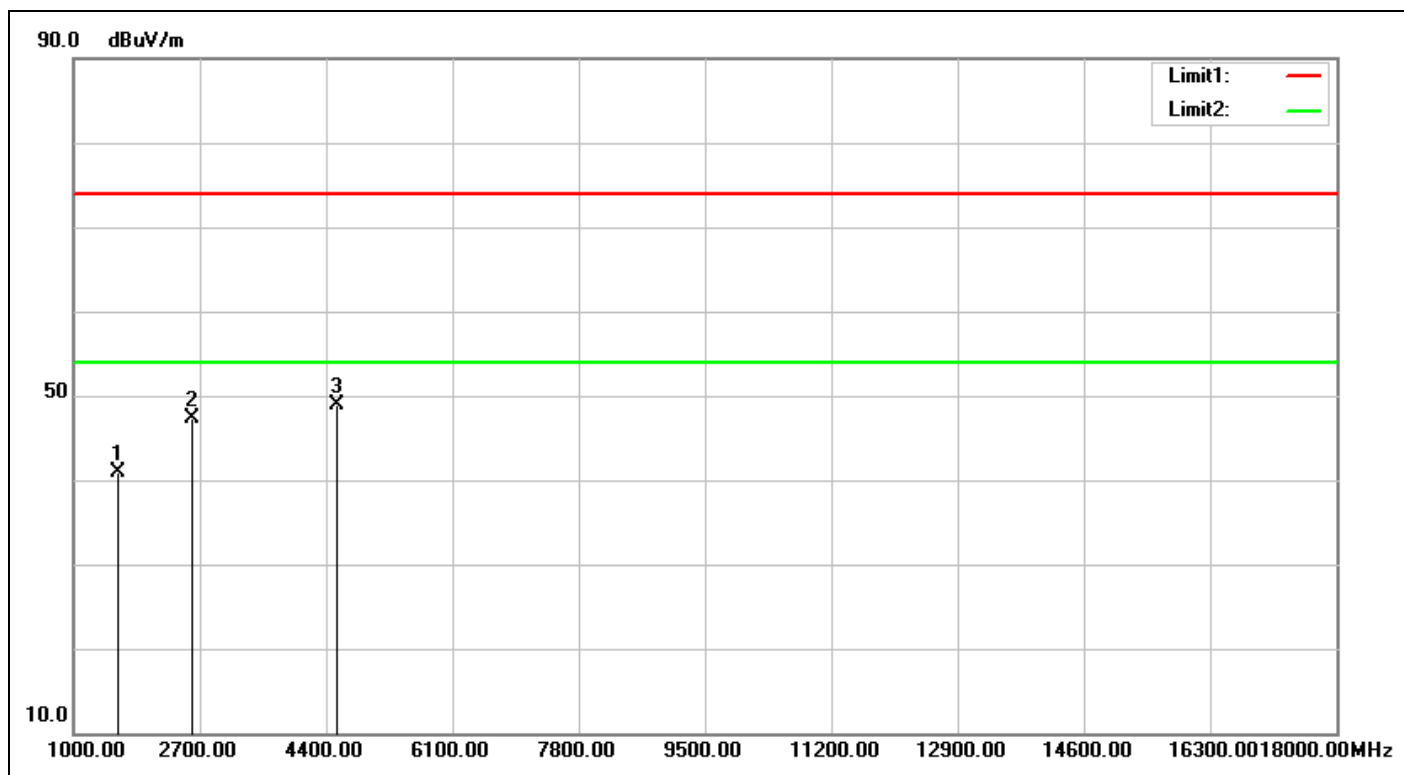
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



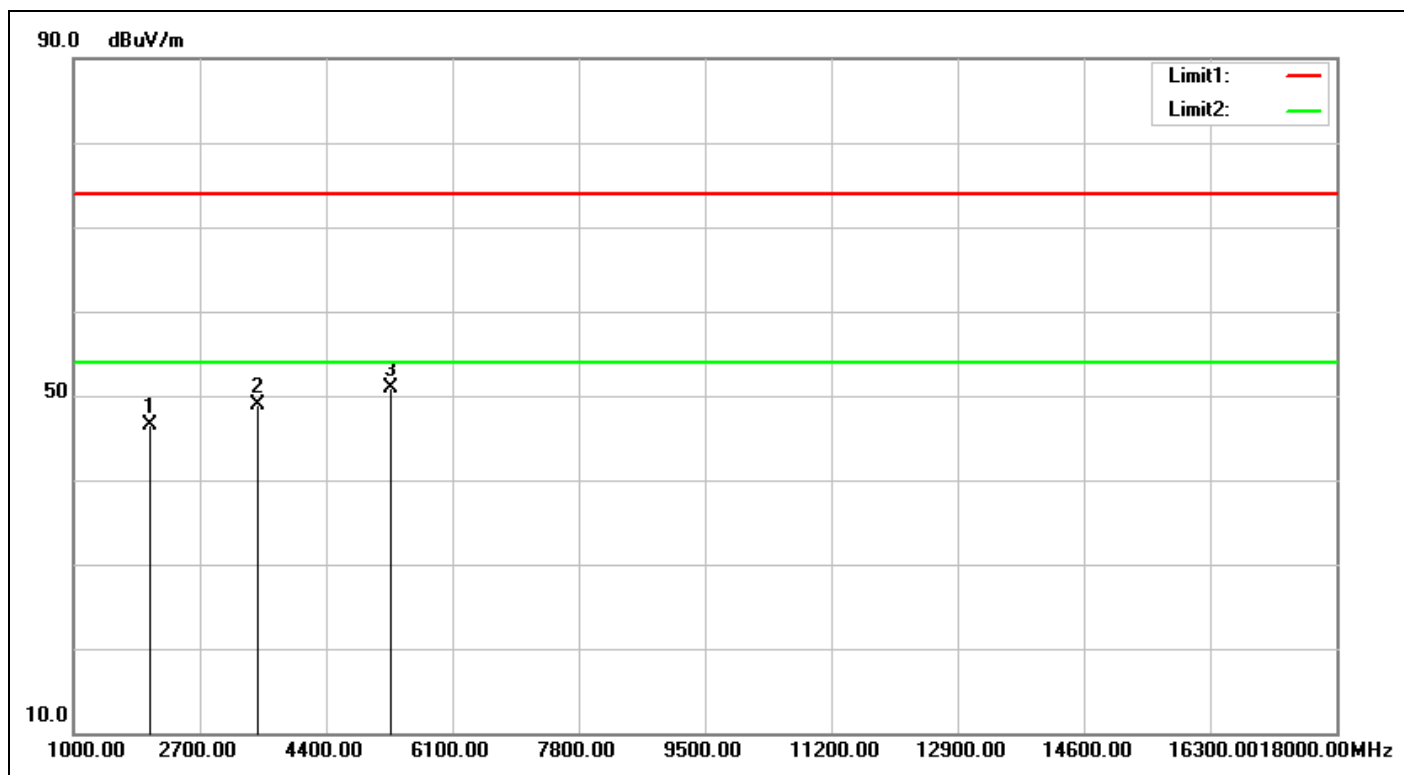
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:30:46
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%) :	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1731.000	-7.04	49.14	42.10	74.00	-31.90	peak	100	56	
2	3414.000	-3.58	52.17	48.59	74.00	-25.41	peak	100	258	
3	5097.000	1.51	49.59	51.10	74.00	-22.90	peak	100	221	



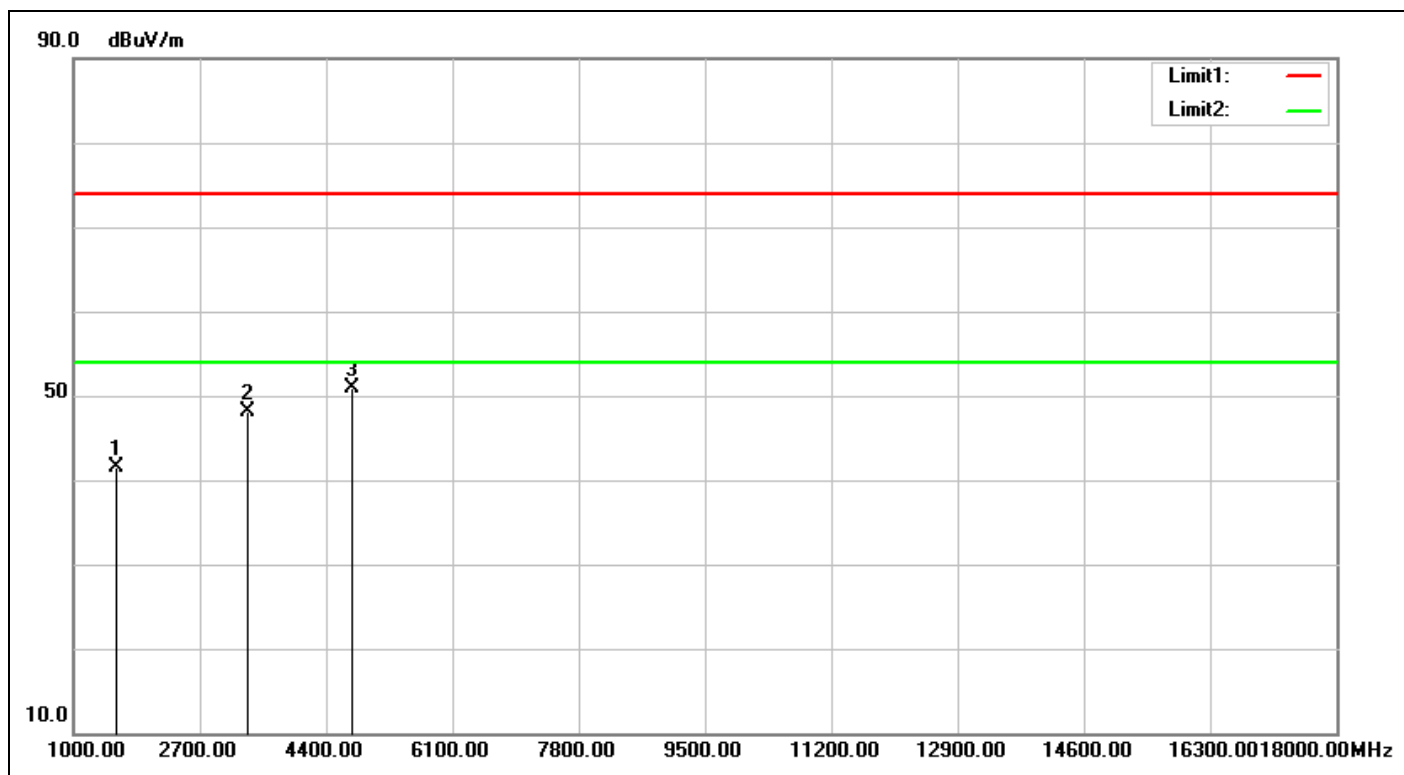
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:31:49
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1595.000	-8.05	48.95	40.90	74.00	-33.10	peak	100	138	
2	2598.000	-4.71	52.03	47.32	74.00	-26.68	peak	100	47	
3	4553.000	-0.32	49.29	48.97	74.00	-25.03	peak	100	186	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:34:07
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2020.000	-5.05	51.49	46.44	74.00	-27.56	peak	100	244	
2	3482.000	-3.50	52.36	48.86	74.00	-25.14	peak	100	183	
3	5267.000	2.35	48.49	50.84	74.00	-23.16	peak	100	48	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:35:10
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1578.000	-8.17	49.69	41.52	74.00	-32.48	peak	100	327	
2	3346.000	-3.65	51.73	48.08	74.00	-25.92	peak	100	304	
3	4757.000	0.30	50.68	50.98	74.00	-23.02	peak	100	186	

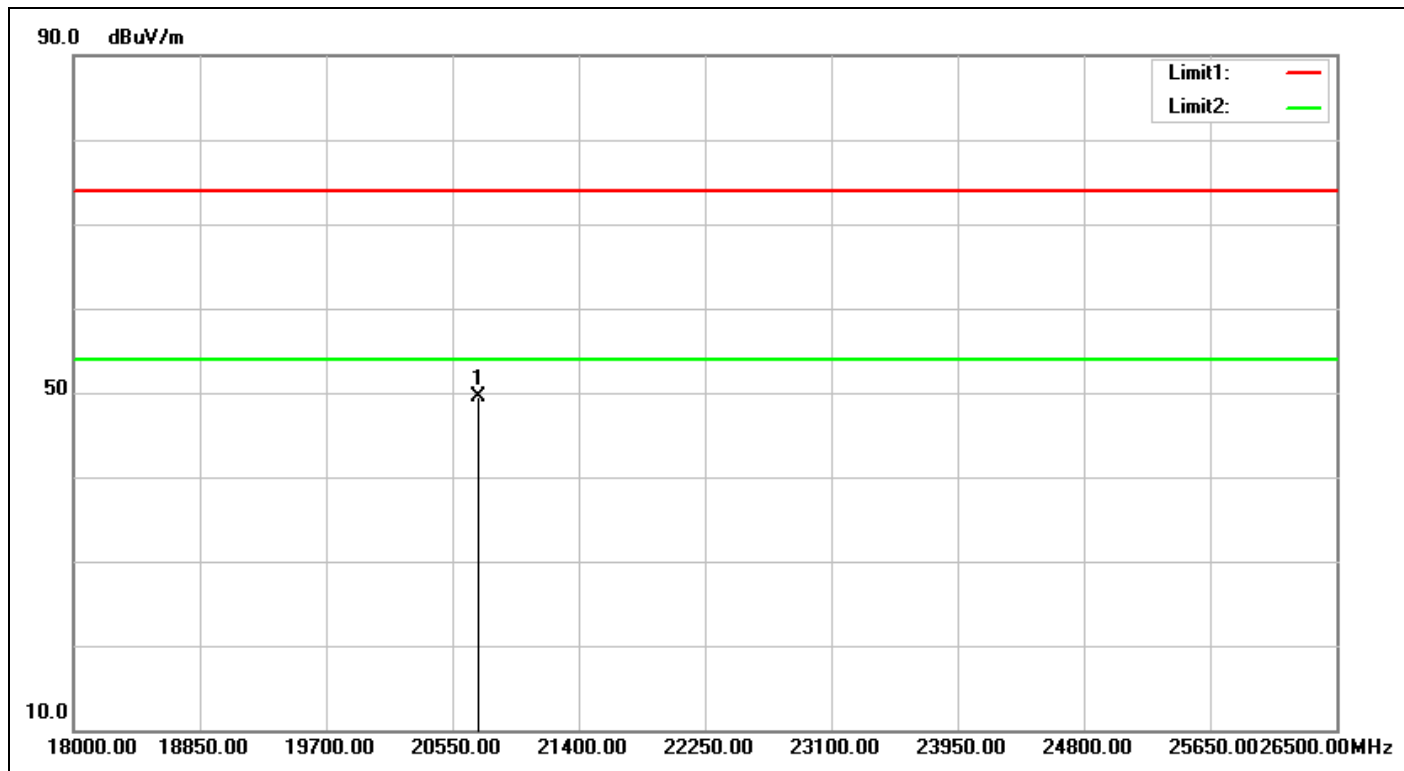
Spurious Emissions, Receiver Mode, 18-26.5GHz



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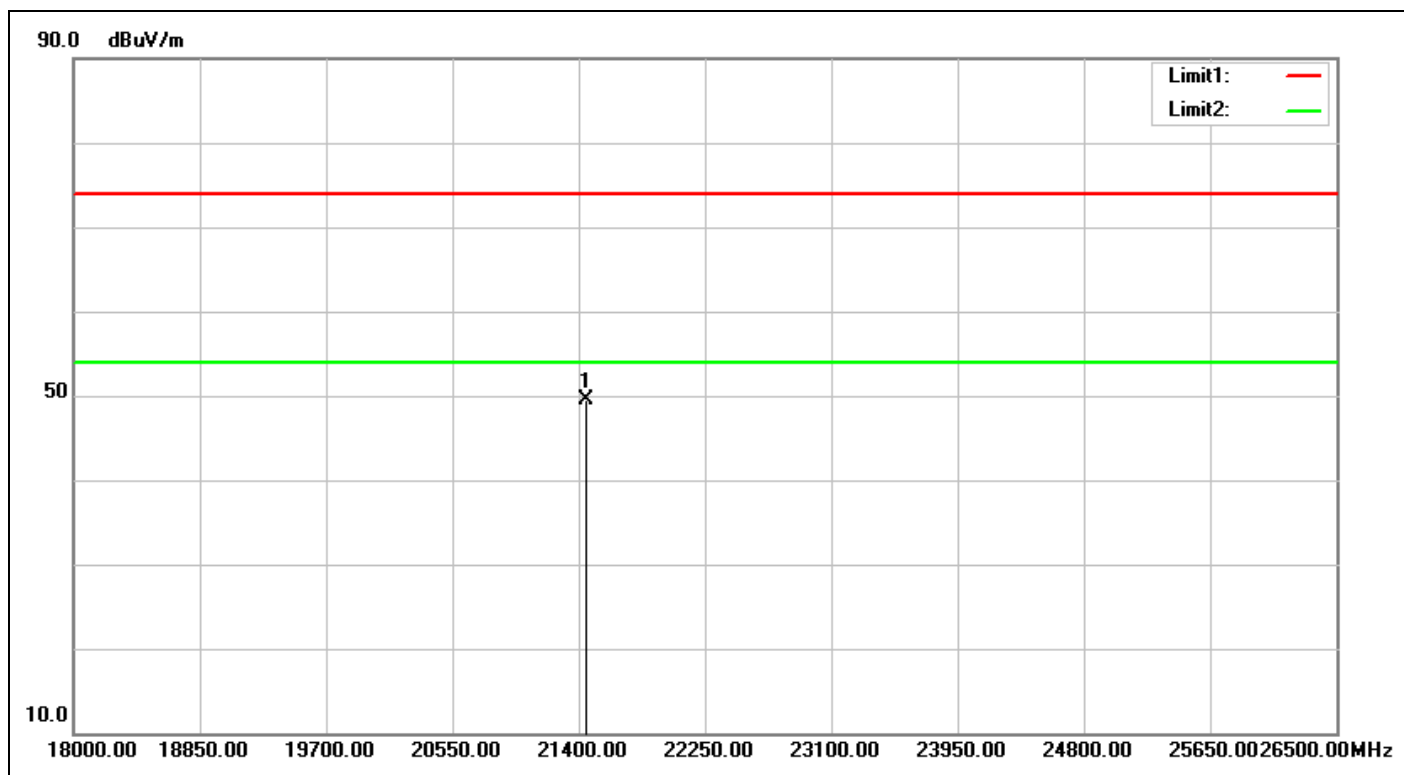
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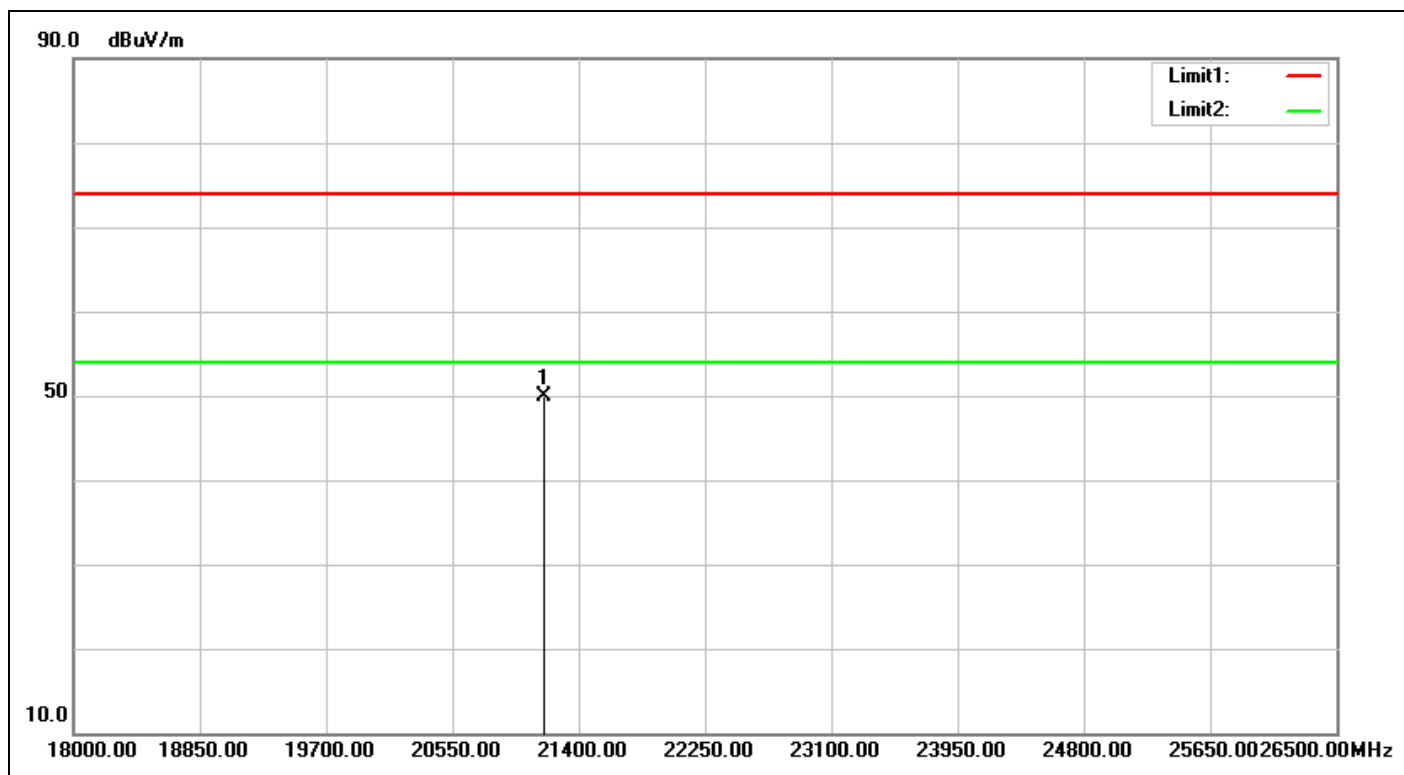
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:40:06
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20728.500	31.28	18.27	49.55	74.00	-24.45	peak	100	34	



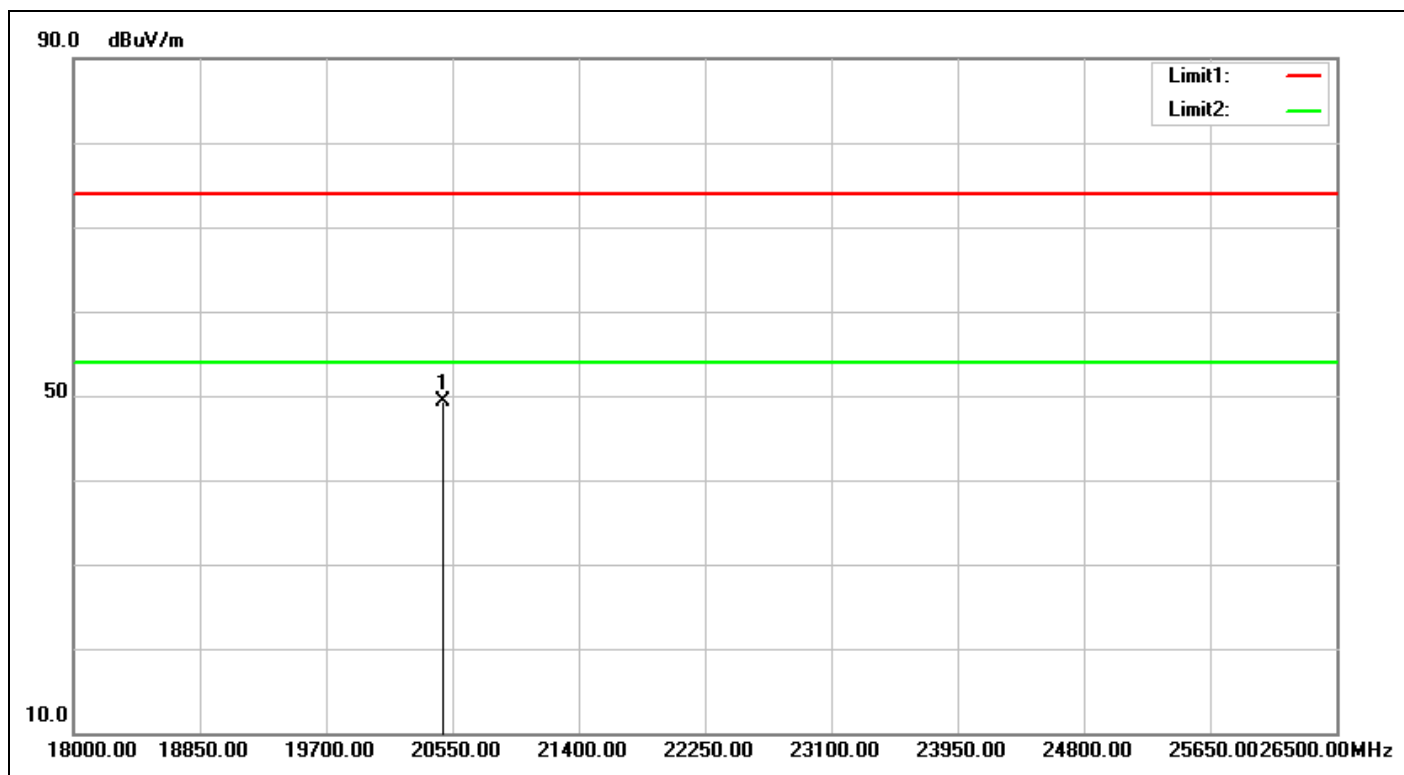
Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:40:57
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21451.000	32.13	17.47	49.60	74.00	-24.40	peak	100	313	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 20:42:18
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%) :	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21170.500	31.72	18.12	49.84	74.00	-24.16	peak	100	128	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 20:43:04
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	3DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20482.000	31.09	18.19	49.28	74.00	-24.72	peak	100	314	

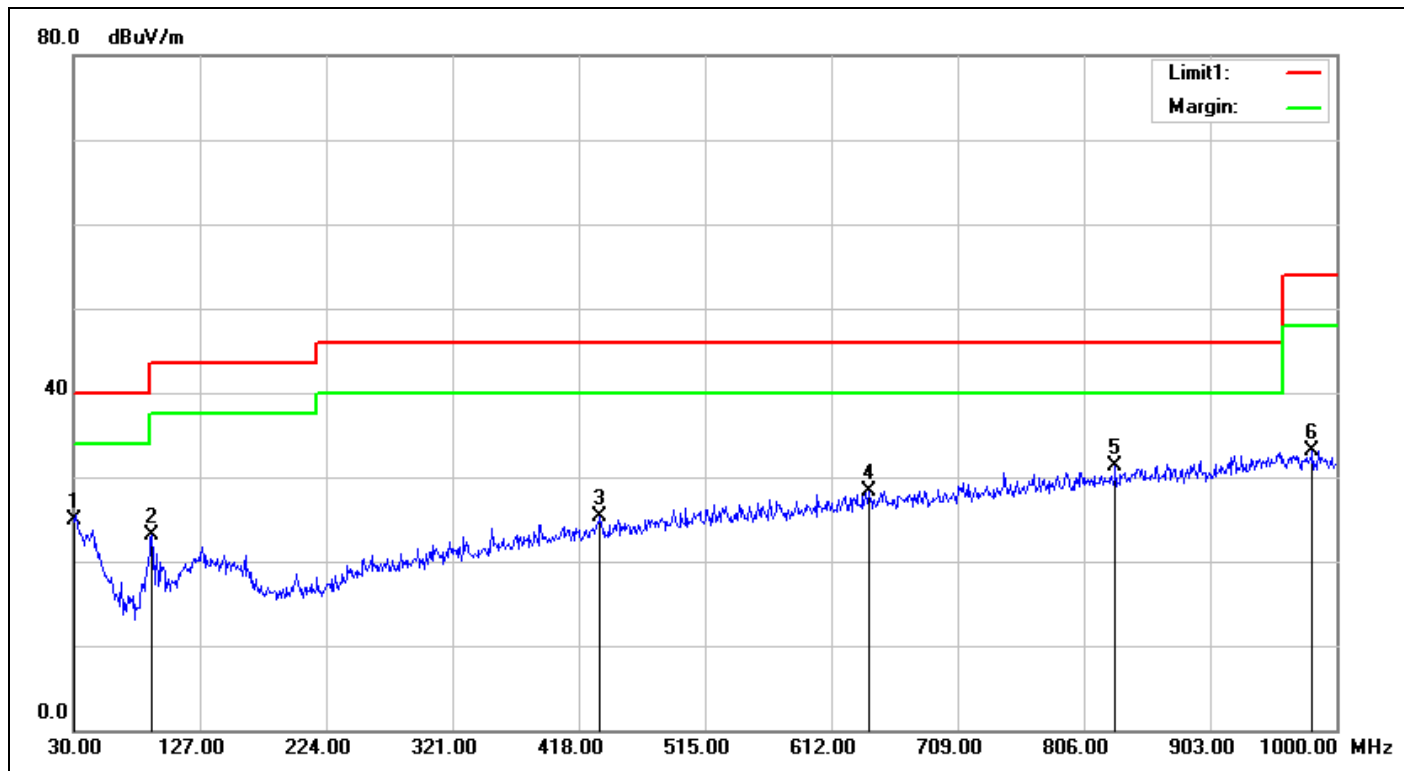
Spurious Emissions, Receiver Mode, 30M-1GHz



TUV Rheinland Taiwan Ltd.

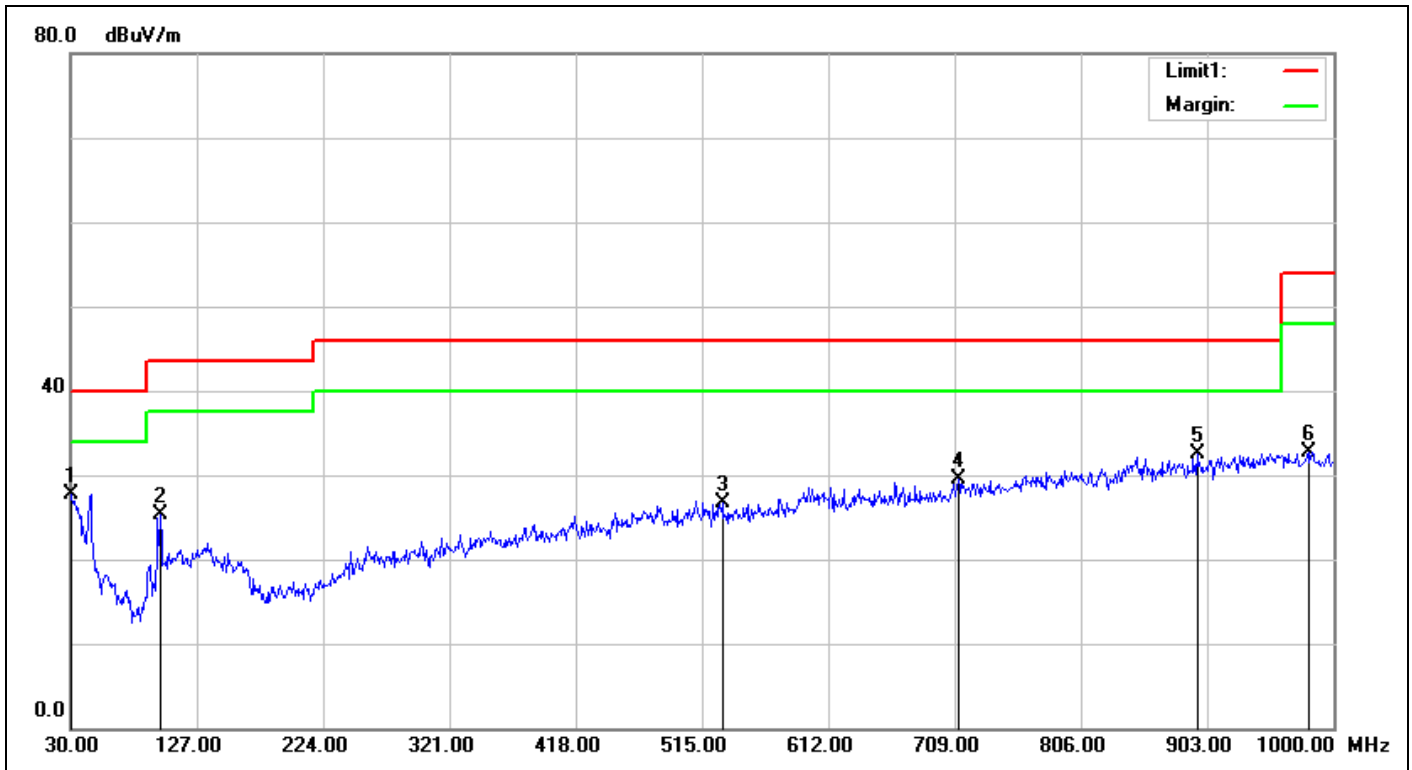
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/8/29 21:27:18
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%)	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	0.12	24.84	24.96	40.00	-15.04	QP	300	152	
2	90.1400	-10.59	33.65	23.06	43.50	-20.44	QP	300	197	
3	434.4900	-1.77	27.17	25.40	46.00	-20.60	QP	200	187	
4	641.1000	0.80	27.55	28.35	46.00	-17.65	QP	300	195	
5	830.2500	3.74	27.65	31.39	46.00	-14.61	QP	100	307	
6	981.5700	5.92	27.19	33.11	54.00	-20.89	QP	200	320	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/8/29 21:31:21
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%) :	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	0.12	27.54	27.66	40.00	-12.34	QP	100	147	
2	98.8700	-9.30	34.63	25.33	43.50	-18.17	QP	100	128	
3	530.5200	-0.58	27.25	26.67	46.00	-19.33	QP	100	335	
4	711.9100	1.64	27.88	29.52	46.00	-16.48	QP	100	158	
5	895.2400	4.53	27.92	32.45	46.00	-13.55	QP	200	296	
6	980.6000	5.93	26.70	32.63	54.00	-21.37	QP	152	333	

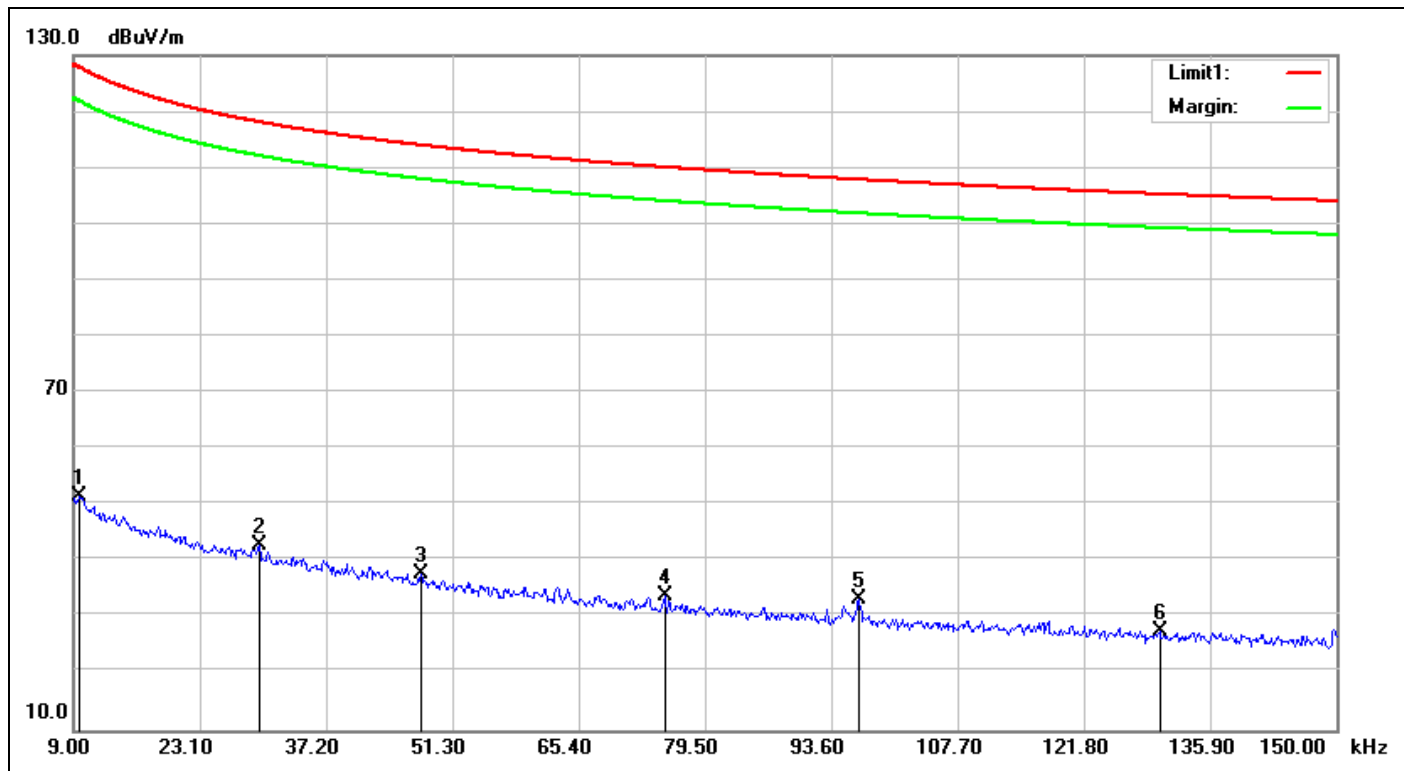
Spurious Emissions, Receiver Mode, 9k-30MHz



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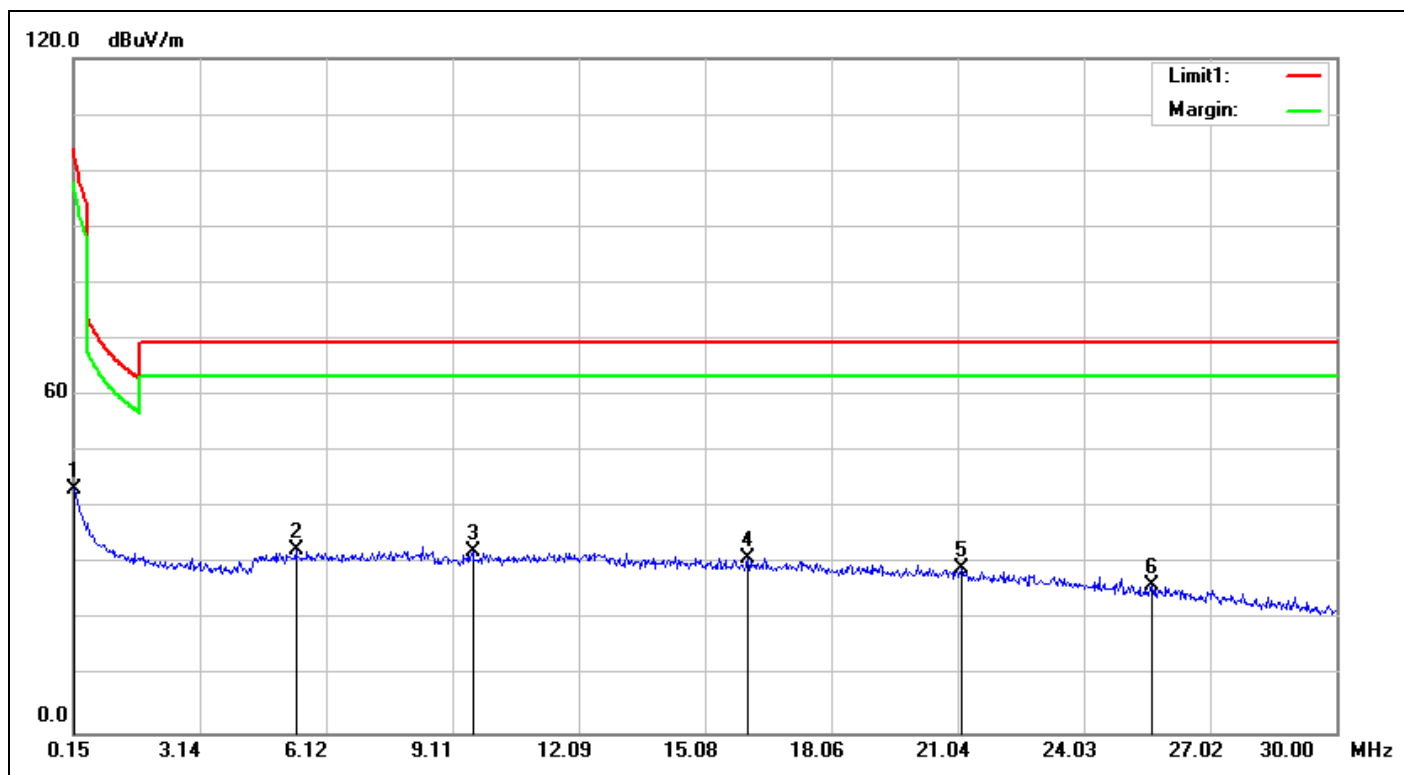
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Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/8/29 21:39:03
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0097	19.81	31.75	51.56	127.85	-76.29	QP	100	245	
2	0.0297	20.13	22.63	42.76	118.14	-75.38	QP	100	116	
3	0.0477	19.51	18.35	37.86	114.02	-76.16	QP	100	134	
4	0.0749	19.28	14.43	33.71	110.11	-76.40	QP	100	225	
5	0.0967	19.15	13.96	33.11	107.89	-74.78	QP	100	65	
6	0.1302	19.10	8.33	27.43	105.31	-77.88	QP	100	312	



Service No.:	114067633	Test Distance:	3m
Test Standard:	FCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/8/29 21:40:18
Applicant:	Wagan Corporation	Test Rating:	DC 12V
Product:	Power Dome NX2	Temp.(°C)/Hum.(%):	24(°C)/47%
Model No.:	NX2	Test Engineer:	Kai Wang
Test Mode:	2441-Rx		
Remark:	1DH5		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1799	19.06	24.33	43.39	102.50	-59.11	QP	100	262	
2	5.4036	19.79	12.69	32.48	69.50	-37.02	QP	100	324	
3	9.5826	20.18	11.99	32.17	69.50	-37.33	QP	100	290	
4	16.0899	21.30	9.86	31.16	69.50	-38.34	QP	100	246	
5	21.1346	22.06	7.19	29.25	69.50	-40.25	QP	100	270	
6	25.6419	22.36	3.96	26.32	69.50	-43.18	QP	100	127	

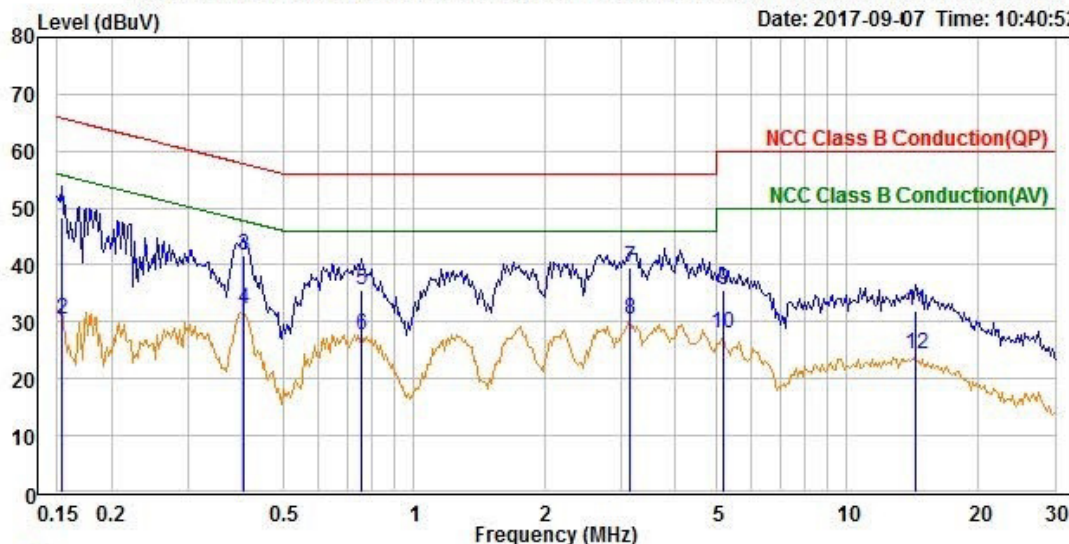
Mains, 0.15-30MHz



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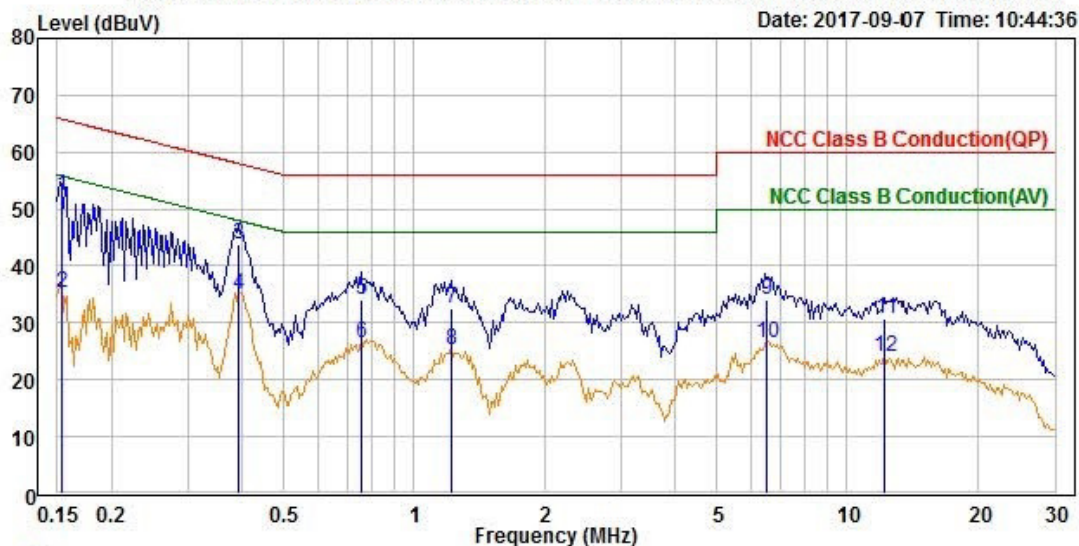


Trace: 1

Site : Conduction room
Condition : NCC Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : Wagan Corporation
Product : Power Dome NX2
Model No. : **NX2**
Test Rating : 110Vac/60Hz
Tmp/Hum : 26.9 °C / 41 %
Memo : AC Mains

	Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	38.85	9.66	48.51	65.83	-17.32	QP
2	0.153	20.89	9.66	30.55	55.83	-25.28	Average
3	0.405	31.96	9.66	41.62	57.74	-16.12	QP
4	0.405	22.60	9.66	32.26	47.74	-15.48	Average
5	0.758	25.98	9.66	35.64	56.00	-20.36	QP
6	0.758	17.95	9.66	27.61	46.00	-18.39	Average
7	3.141	29.94	9.71	39.65	56.00	-16.35	QP
8	3.141	20.83	9.71	30.54	46.00	-15.46	Average
9	5.164	26.00	9.73	35.73	60.00	-24.27	QP
10	5.164	18.33	9.73	28.06	50.00	-21.94	Average
11	14.234	22.24	9.80	32.04	60.00	-27.96	QP
12	14.234	14.66	9.80	24.46	50.00	-25.54	Average

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Trace: 1

Site : Conduction room
Condition : NCC Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Wagan Corporation
Product : Power Dome NX2
Model No. : NX2
Test Rating : 110Vac/60Hz
Tmp/Hum : 26.9 °C / 41 %
Memo : AC Mains

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	42.72	9.67	52.39	65.83	-13.44	QP
2	0.153	25.51	9.67	35.18	55.83	-20.65	Average
3	0.393	34.10	9.66	43.76	57.99	-14.23	QP
4	0.393	25.39	9.66	35.05	47.99	-12.94	Average
5	0.758	24.37	9.67	34.04	56.00	-21.96	QP
6	0.758	16.80	9.67	26.47	46.00	-19.53	Average
7	1.222	22.86	9.68	32.54	56.00	-23.46	QP
8	1.222	15.47	9.68	25.15	46.00	-20.85	Average
9	6.555	24.44	9.76	34.20	60.00	-25.80	QP
10	6.555	16.83	9.76	26.59	50.00	-23.41	Average
11	12.263	21.00	9.83	30.83	60.00	-29.17	QP
12	12.263	14.18	9.83	24.01	50.00	-25.99	Average