

Test Report No.10053057 10053058 001

Appendix D: Radiated Emission Data

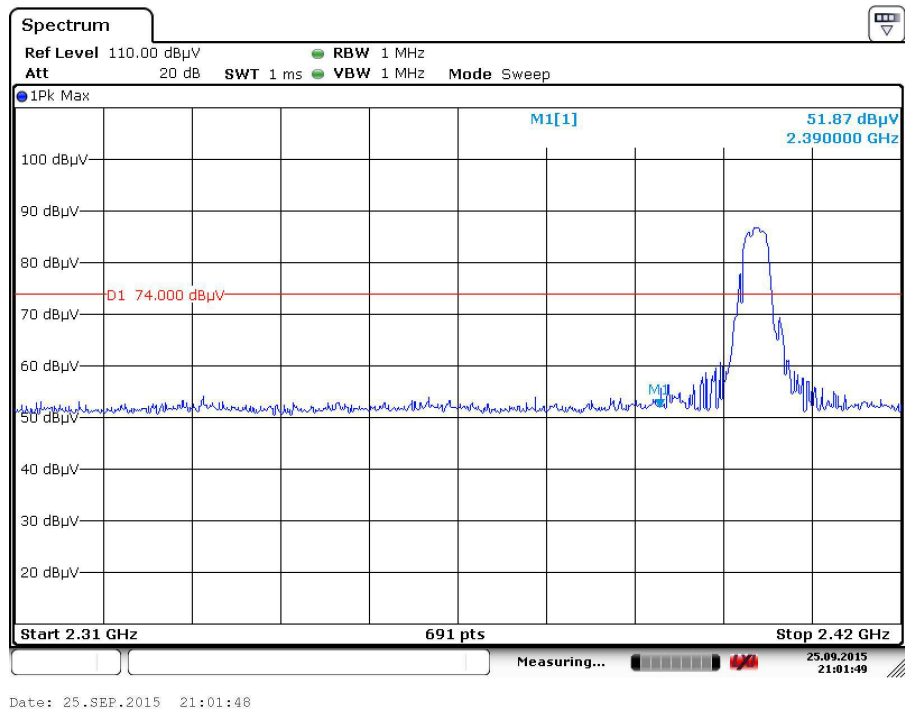
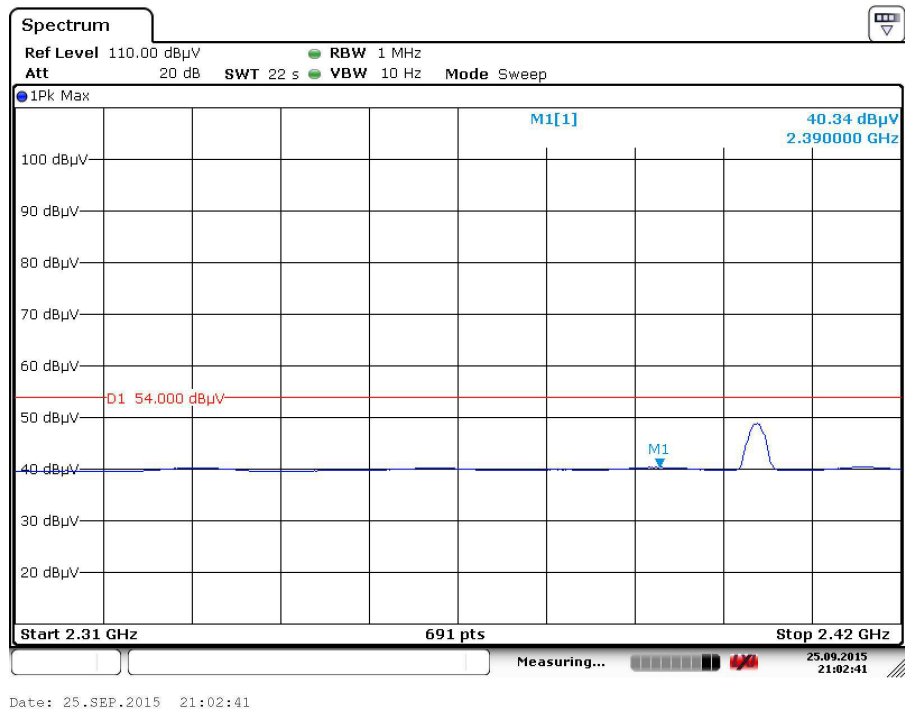
(File: 10053057 10053058AppendixD)

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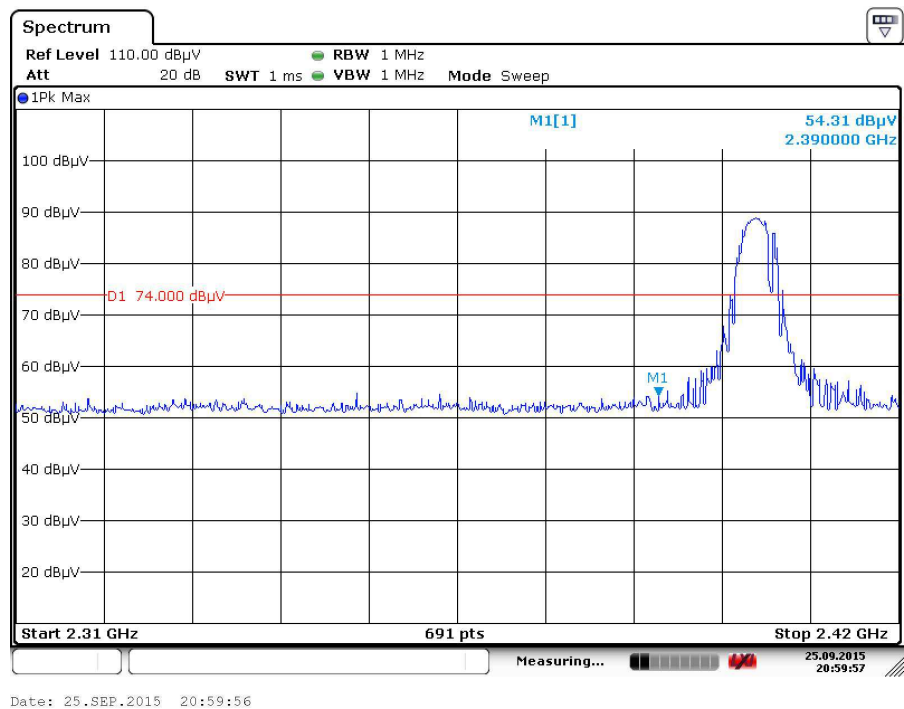
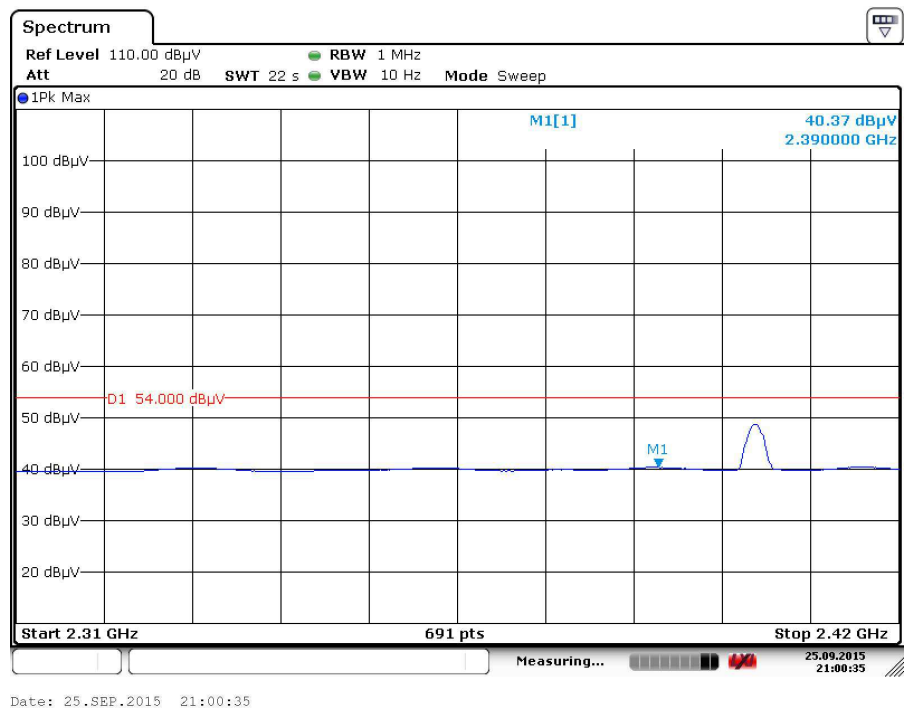
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Radiated Bandedge

Channel 2402MHz (Hor)



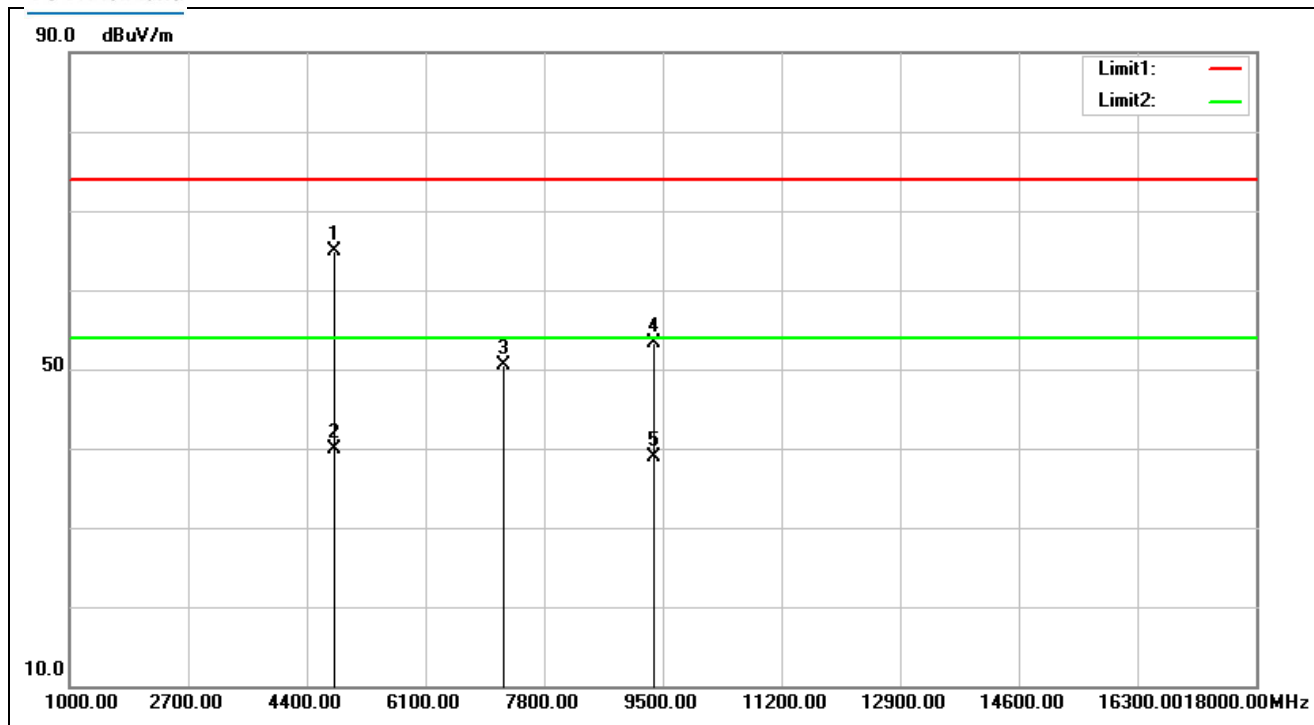
Low Channel (Ver)



Spurious Emissions, TX Mode, 1-18G

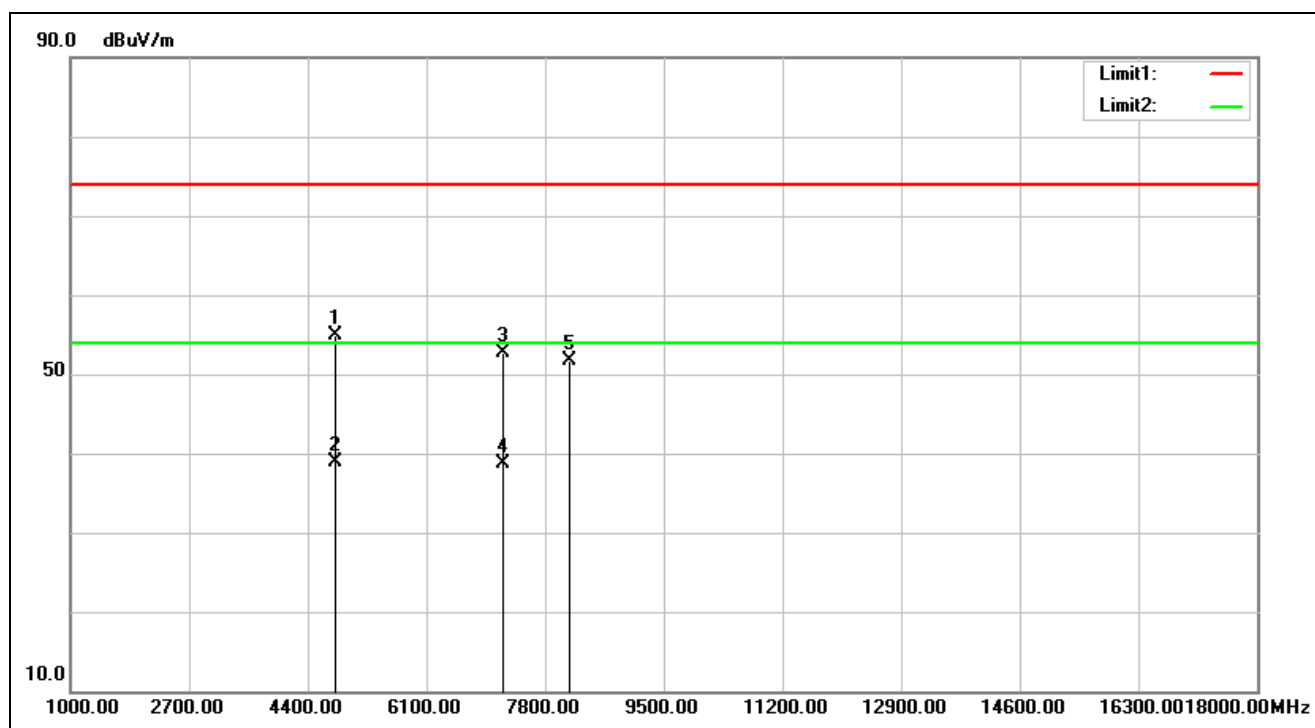


TUV Taiwan
 11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
 Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/25 19:58:47
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%)	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	TX		
Remark:	#3		

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	67.18	64.83	74.00	-9.17	peak	100	299	
2	4804.000	-2.35	42.34	39.99	54.00	-14.01	AVG	100	299	
3	7206.000	5.78	44.63	50.41	74.00	-23.59	peak		0	
4	9381.000	7.05	46.17	53.22	74.00	-20.78	peak	100	141	
5	9381.000	7.05	31.80	38.85	54.00	-15.15	AVG	100	141	



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/25 19:59:49
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%)	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	TX		
Remark:	#3		

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	57.33	54.98	74.00	-19.02	peak	100	319	
2	4804.000	-2.35	41.31	38.96	54.00	-15.04	AVG	100	319	
3	7206.000	5.78	47.02	52.80	74.00	-21.20	peak	100	272	
4	7206.000	5.78	33.00	38.78	54.00	-15.22	AVG	100	272	
5	8140.000	6.60	45.05	51.65	74.00	-22.35	peak	100	120	

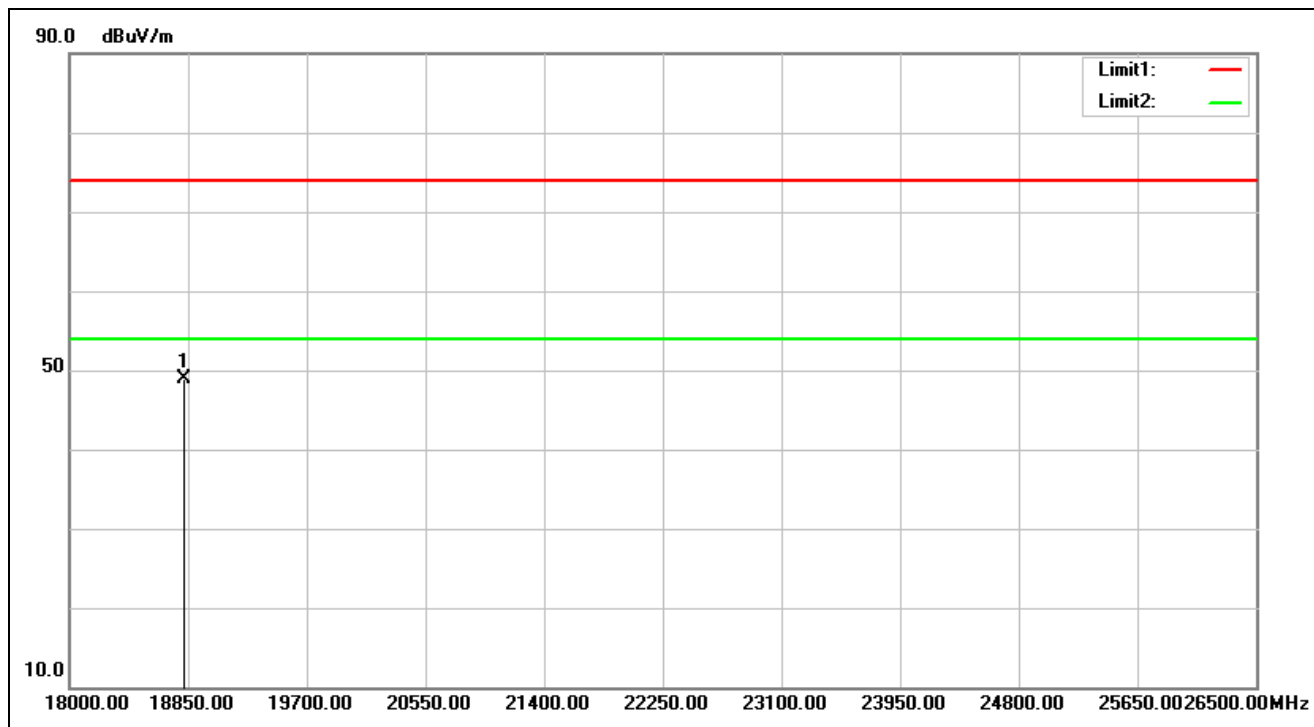
Spurious Emissions, TX Mode, 18-26G



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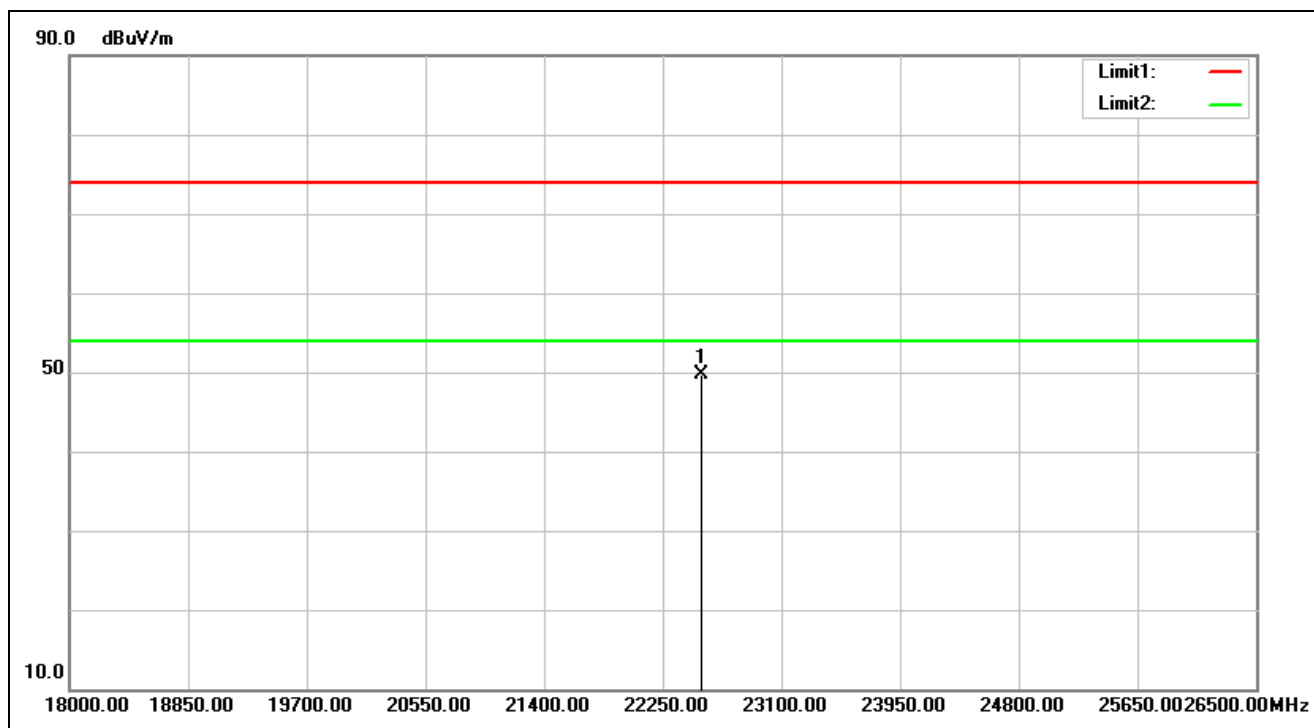
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Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/25 20:27:08
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%)	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	TX		
Remark:	#3		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18824.500	28.69	20.22	48.91	74.00	-25.09	peak	100	318	



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/25 20:27:27
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%):	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	TX		
Remark:	#3		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22522.000	29.27	20.41	49.68	74.00	-24.32	peak	100	64	

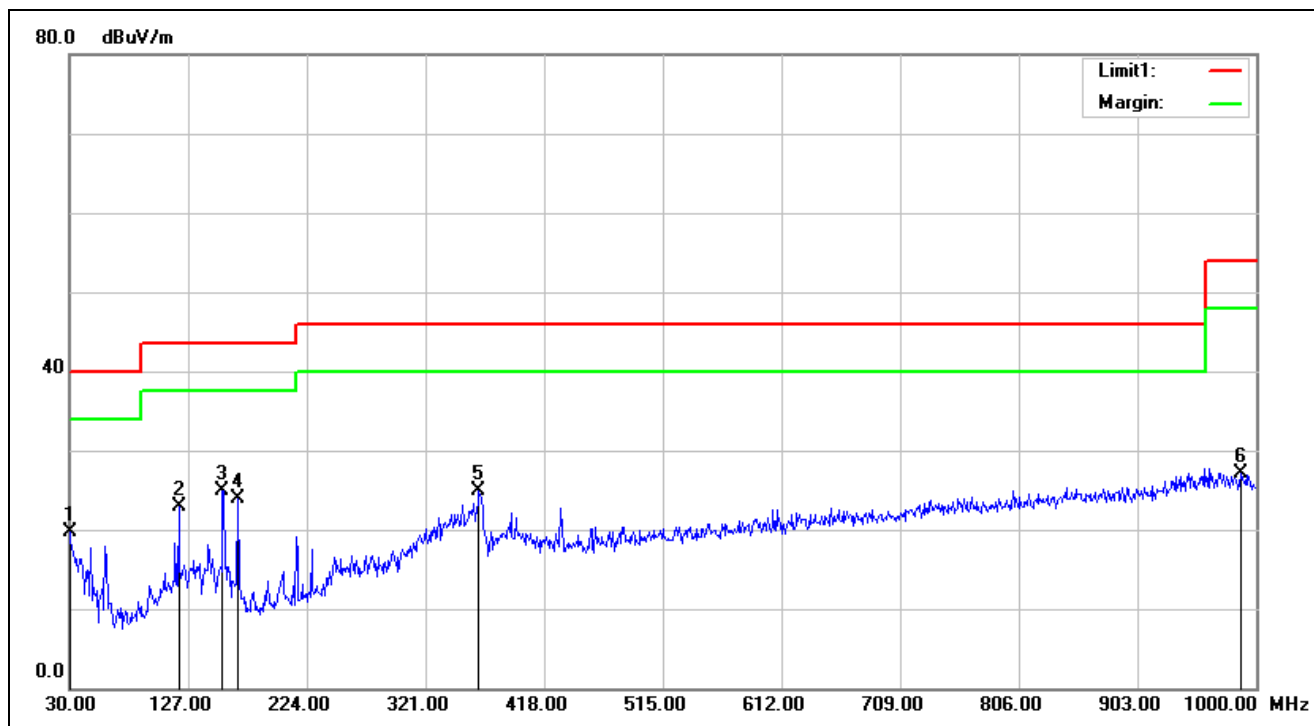
Spurious Emissions, TX Mode, 30M-1G



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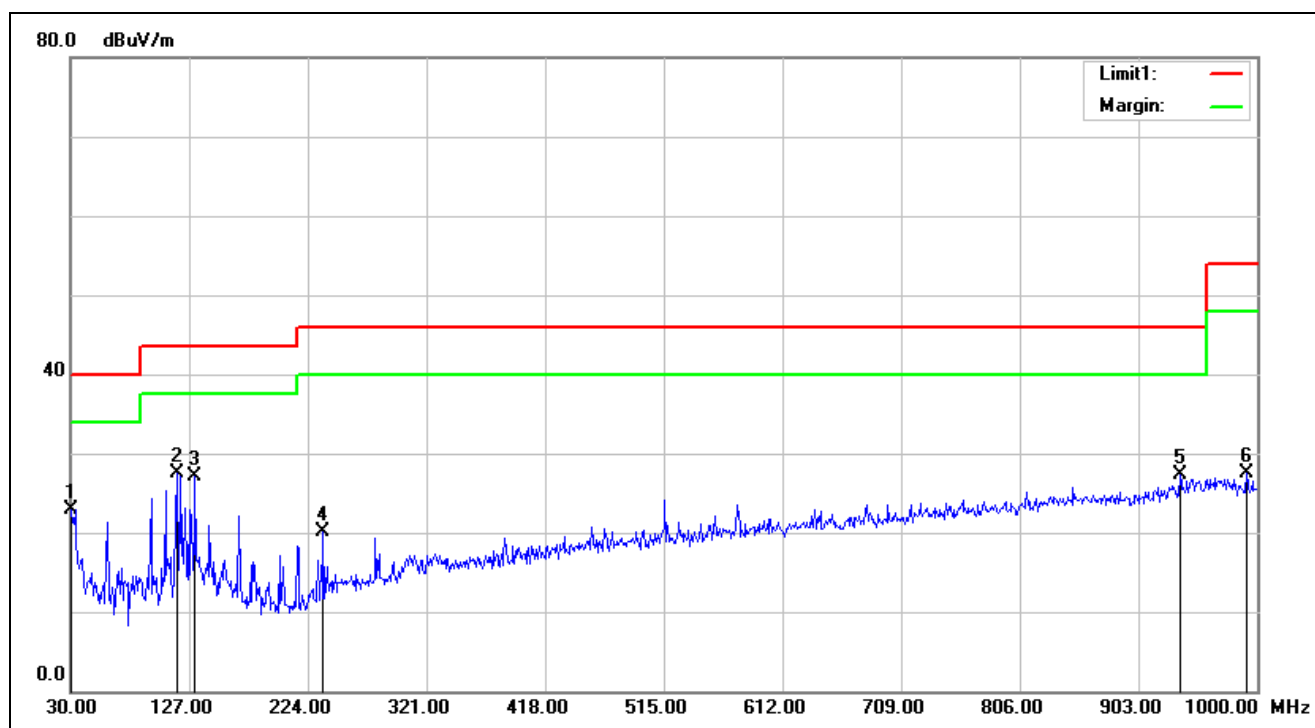
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/25 21:35:29
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%):	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	TX		
Remark:	#3		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-6.05	25.82	19.77	40.00	-20.23	QP	100	133	
2	119.2399	-13.08	35.96	22.88	43.50	-20.62	QP	100	306	
3	155.1299	-13.42	38.39	24.97	43.50	-18.53	QP	100	48	
4	167.7400	-14.48	38.44	23.96	43.50	-19.54	QP	100	279	
5	364.6499	-9.08	34.04	24.96	46.00	-21.04	QP	100	157	
6	987.3899	-0.27	27.47	27.20	54.00	-26.80	QP	100	109	



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/25 21:36:32
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%)	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	TX		
Remark:	#3		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-6.61	29.59	22.98	40.00	-17.02	QP	100	336	
2	117.3000	-13.23	40.73	27.50	43.50	-16.00	QP	100	118	
3	131.8500	-12.77	39.79	27.02	43.50	-16.48	QP	100	158	
4	236.6100	-12.90	33.06	20.16	46.00	-25.84	QP	100	354	
5	936.9500	-0.70	28.02	27.32	46.00	-18.68	QP	100	182	
6	991.2700	-0.28	27.74	27.46	54.00	-26.54	QP	100	227	

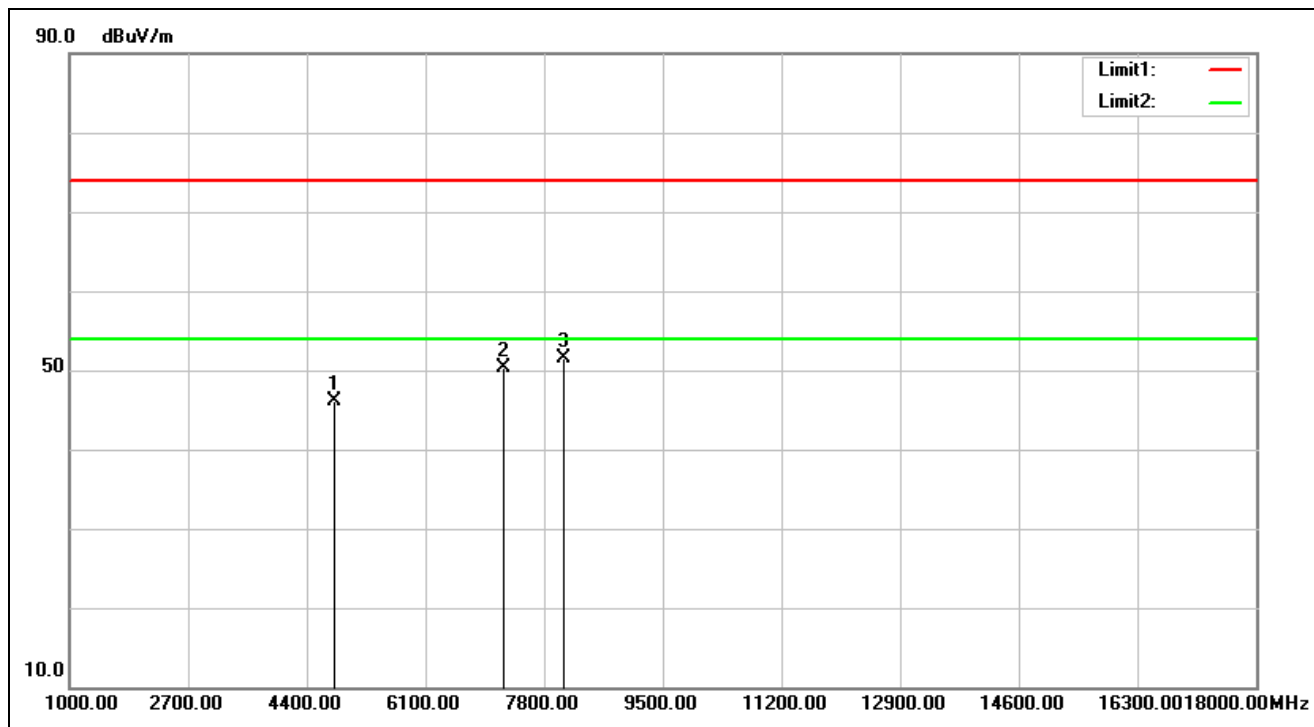
Spurious Emissions, RX Mode, 1-18G



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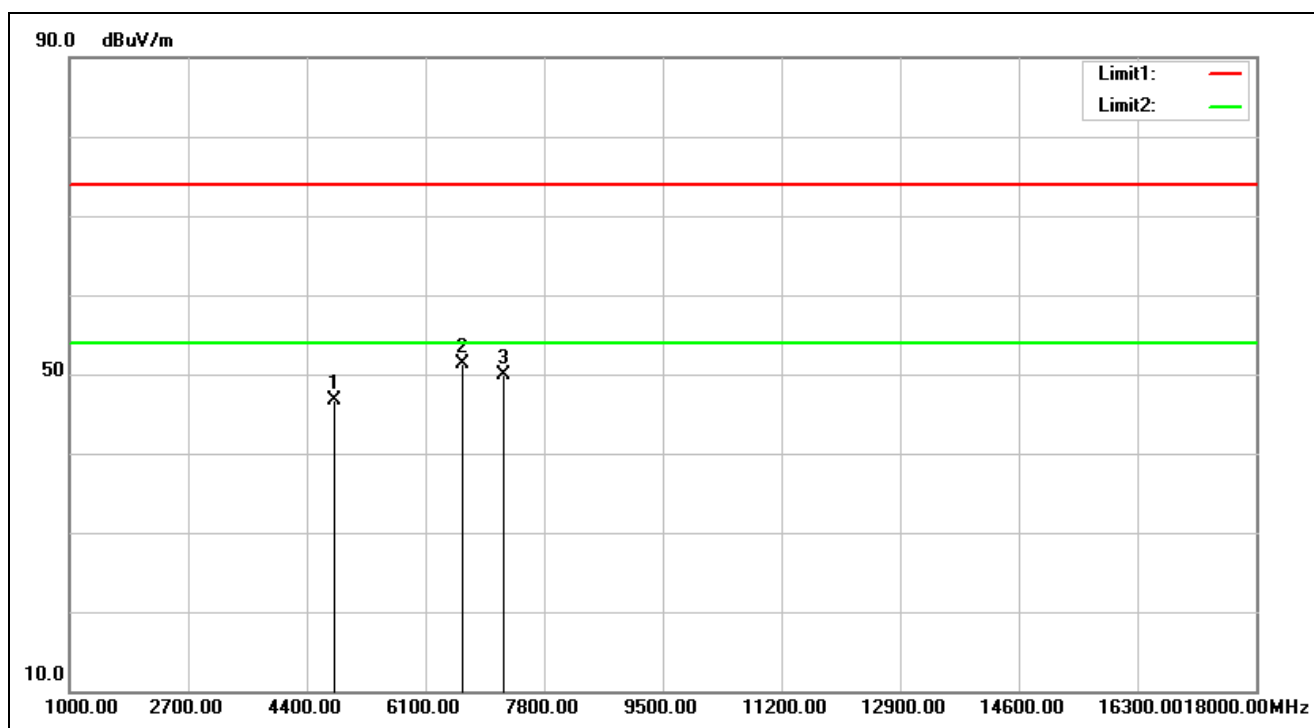
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Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/25 20:16:19
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%):	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	RX		
Remark:	#3		

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	48.39	46.04	74.00	-27.96	peak			
2	7206.000	5.78	44.62	50.40	74.00	-23.60	peak			
3	8089.000	6.59	44.92	51.51	74.00	-22.49	peak	100	280	



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/25 20:17:22
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%):	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	RX		
Remark:	#3		

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	49.09	46.74	74.00	-27.26	peak			
2	6627.000	5.81	45.52	51.33	74.00	-22.67	peak	100	121	
3	7206.000	5.78	44.10	49.88	74.00	-24.12	peak			

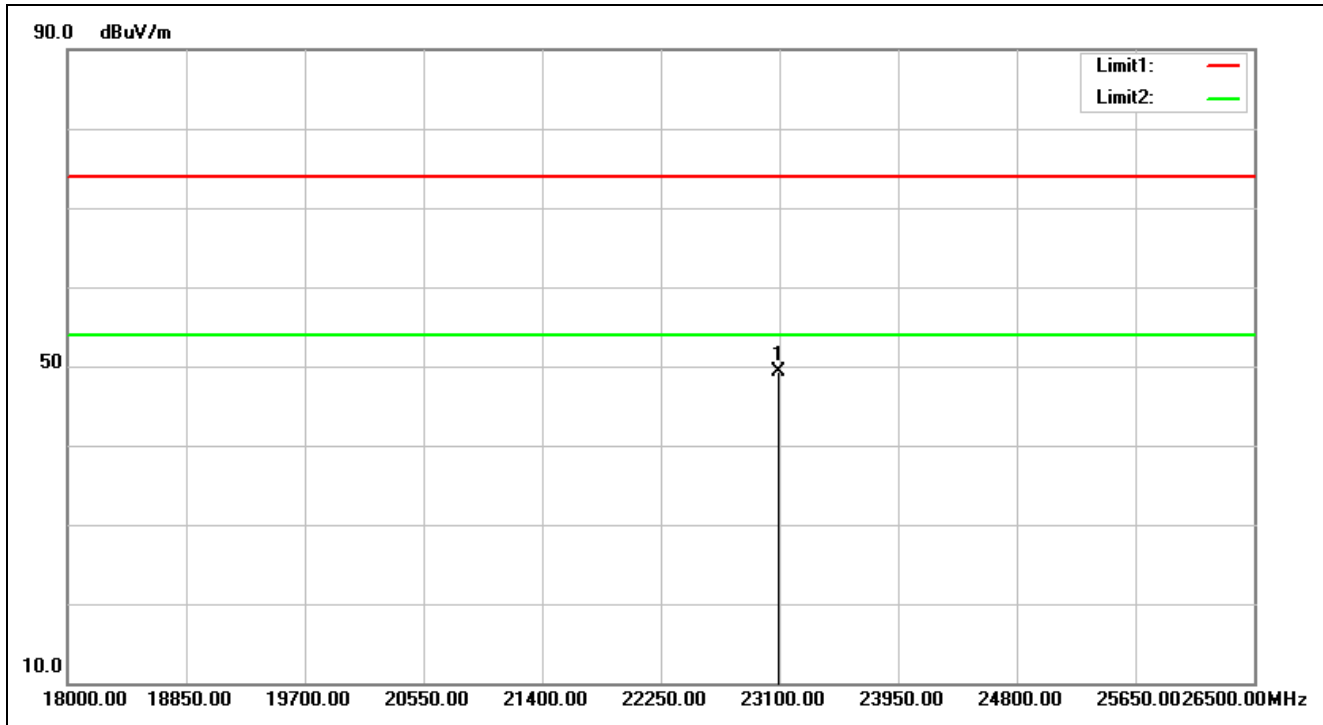
Spurious Emissions, RX Mode, 18-26G



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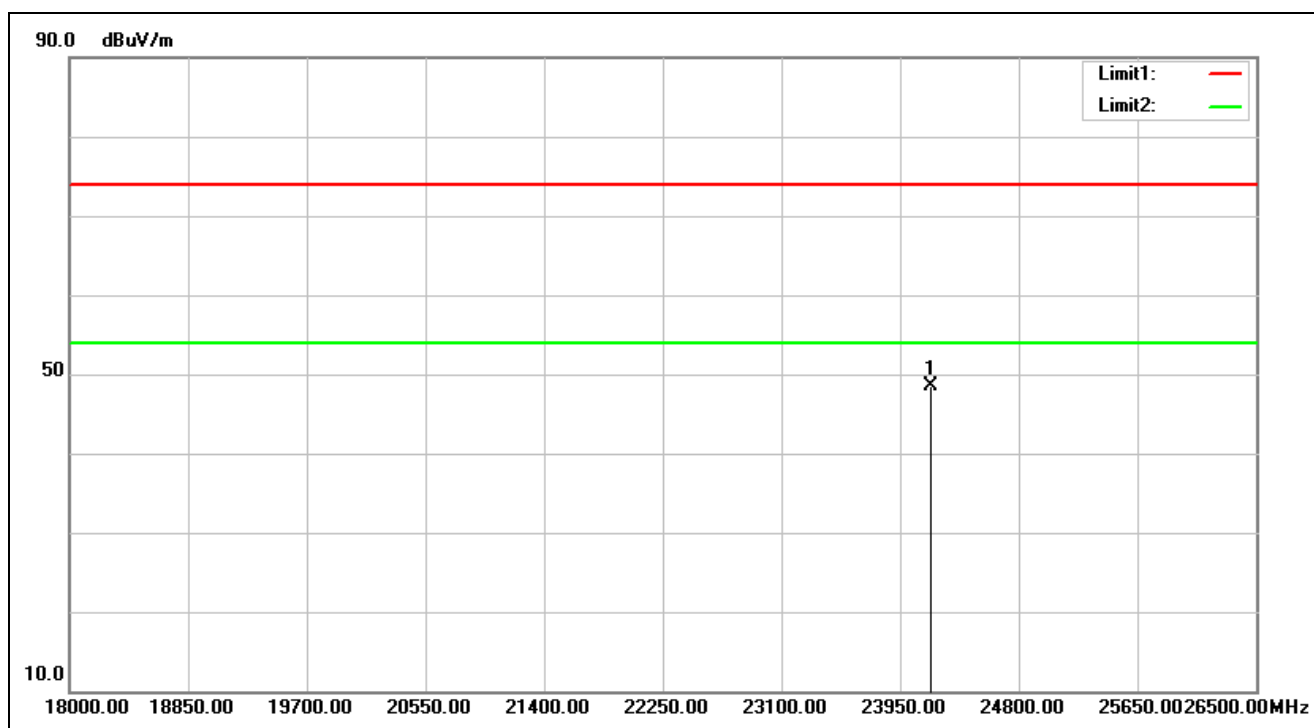
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Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/25 20:28:02
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%):	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	RX		
Remark:	#3		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23091.500	29.82	19.48	49.30	74.00	-24.70	peak			



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/25 20:28:17
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%):	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	RX		
Remark:	#3		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24171.000	29.41	19.02	48.43	74.00	-25.57	peak			

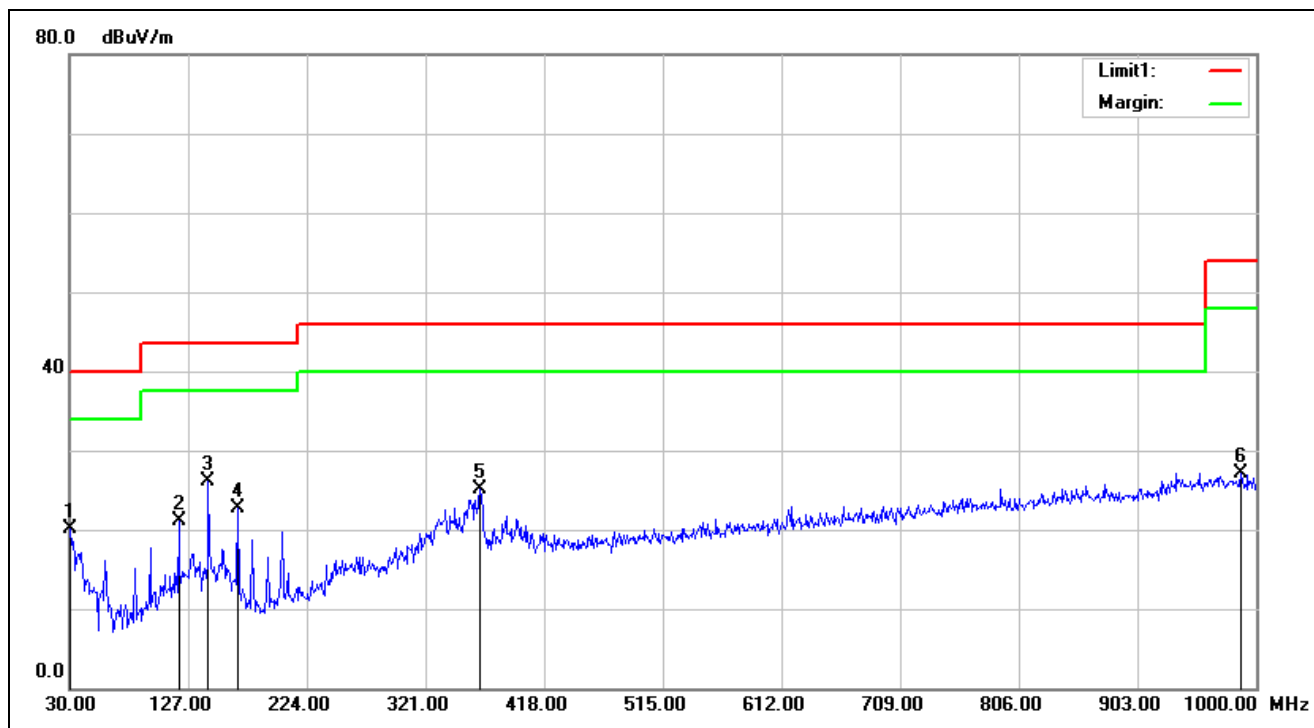
Spurious Emissions, RX Mode, 30M-1G



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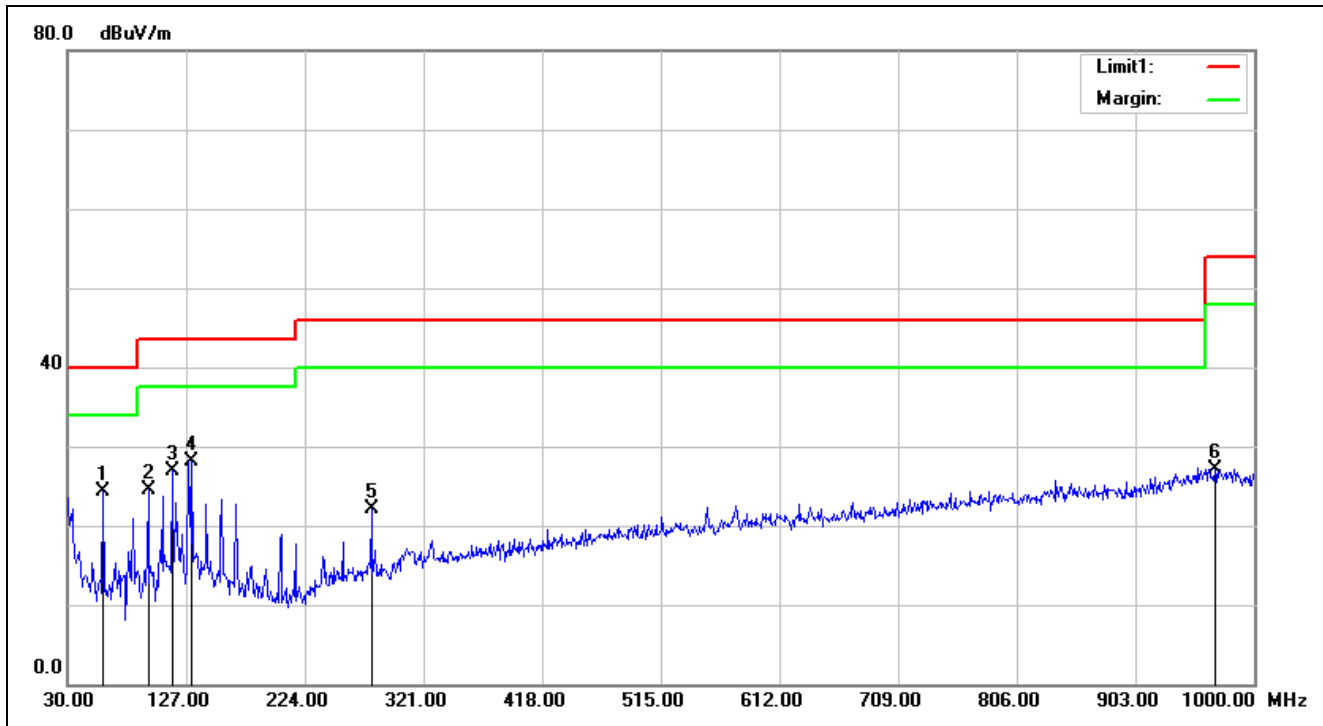
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/9/25 21:38:49
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%):	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	RX		
Remark:	#3		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9699	-6.61	26.80	20.19	40.00	-19.81	QP	100	34	
2	119.2399	-13.08	34.17	21.09	43.50	-22.41	QP	100	21	
3	143.4900	-12.92	39.04	26.12	43.50	-17.38	QP	100	146	
4	167.7400	-14.48	37.18	22.70	43.50	-20.80	QP	100	154	
5	365.6200	-9.07	34.10	25.03	46.00	-20.97	QP	100	149	
6	987.3899	-0.27	27.33	27.06	54.00	-26.94	QP	100	2	



Service No.:	114039821	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/9/25 21:39:53
Applicant:	ApoDx	Test Rating:	DC 6V
Product:	DxPatch	Temp.(°C)/Hum.(%):	19.9(°C)/60%
Model No.:	8ZP7	Test Engineer:	George Yang
Test Mode:	RX		
Remark:	#3		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	59.1000	-19.21	43.53	24.32	40.00	-15.68	QP	100	304	
2	95.9600	-15.75	40.35	24.60	43.50	-18.90	QP	100	192	
3	115.3600	-13.36	40.21	26.85	43.50	-16.65	QP	100	105	
4	131.8500	-12.77	40.92	28.15	43.50	-15.35	QP	100	248	
5	278.3200	-11.03	33.20	22.17	46.00	-23.83	QP	100	43	
6	967.9900	-0.25	27.44	27.19	54.00	-26.81	QP	100	64	