

Test Report No. 50165372 001

Appendix D: Radiated and Mains Spurious Emission Data

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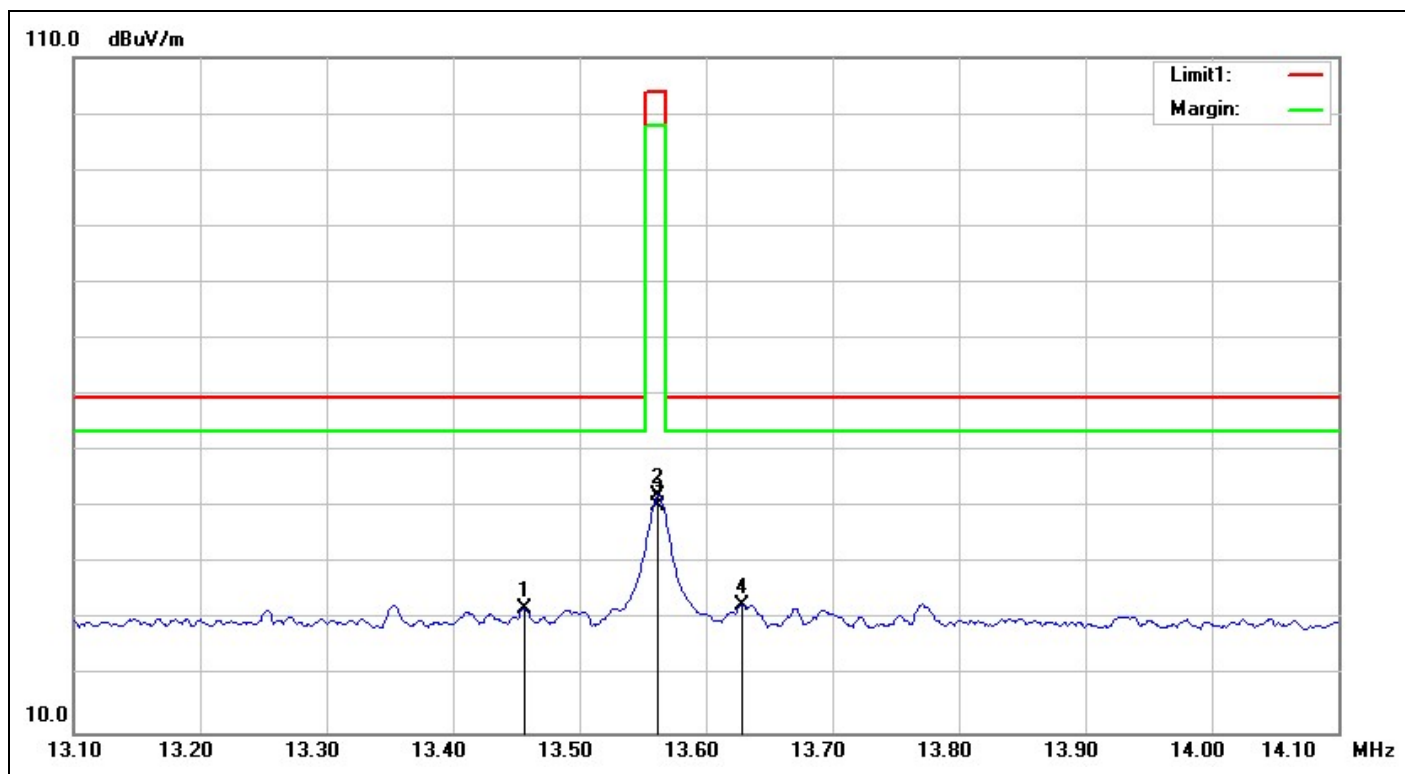
Emissions, Fundamental



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Service No.:	114079235	Test Distance:	3m
Test Standard:	NCC_13.56M_Fundamental 3m(QP)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/7/4 09:19:11
Applicant:	ASSA ABLOY	Test Rating:	DC 6V
Product:	Digital door locks	Temp.(°C)/Hum.(%):	24(°C)/51%
Model No.:	YDM7116	Test Engineer:	Amy Hsu
Test Mode:	Fundamental		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	13.4560	20.82	11.27	32.09	69.50	-37.41	QP	100	350	
2	13.5620	20.83	31.24	52.07	103.90	-51.83	peak	100	169	
3	13.5620	20.83	29.67	50.50	103.90	-53.40	QP	100	169	
4	13.6290	20.84	11.88	32.72	69.50	-36.78	QP	100	190	

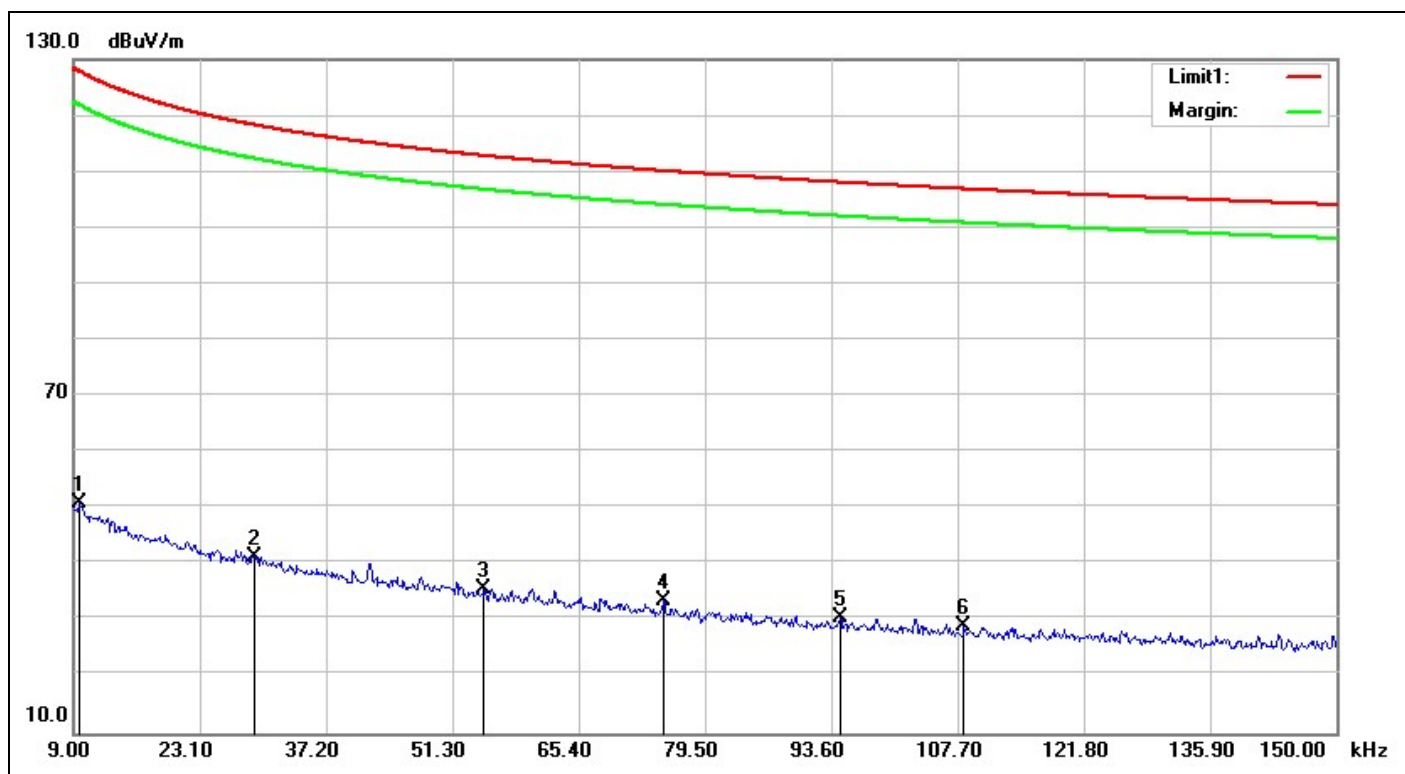
Spurious Emissions, TX Mode, 9-150 kHz



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Service No.:	114079235	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/7/4 09:26:55
Applicant:	ASSA ABLOY	Test Rating:	DC 6V
Product:	Digital door locks	Temp.(°C)/Hum.(%):	24(°C)/51%
Model No.:	YDM7116	Test Engineer:	Amy Hsu
Test Mode:			
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	18.45	32.37	50.82	127.94	-77.12	QP	100	183	
2	0.0292	19.30	22.15	41.45	118.28	-76.83	QP	100	210	
3	0.0548	18.87	16.93	35.80	112.82	-77.02	QP	100	10	
4	0.0748	18.63	14.79	33.42	110.12	-76.70	QP	100	290	
5	0.0946	18.39	12.04	30.43	108.08	-77.65	QP	100	360	
6	0.1084	18.33	10.63	28.96	106.90	-77.94	QP	100	79	

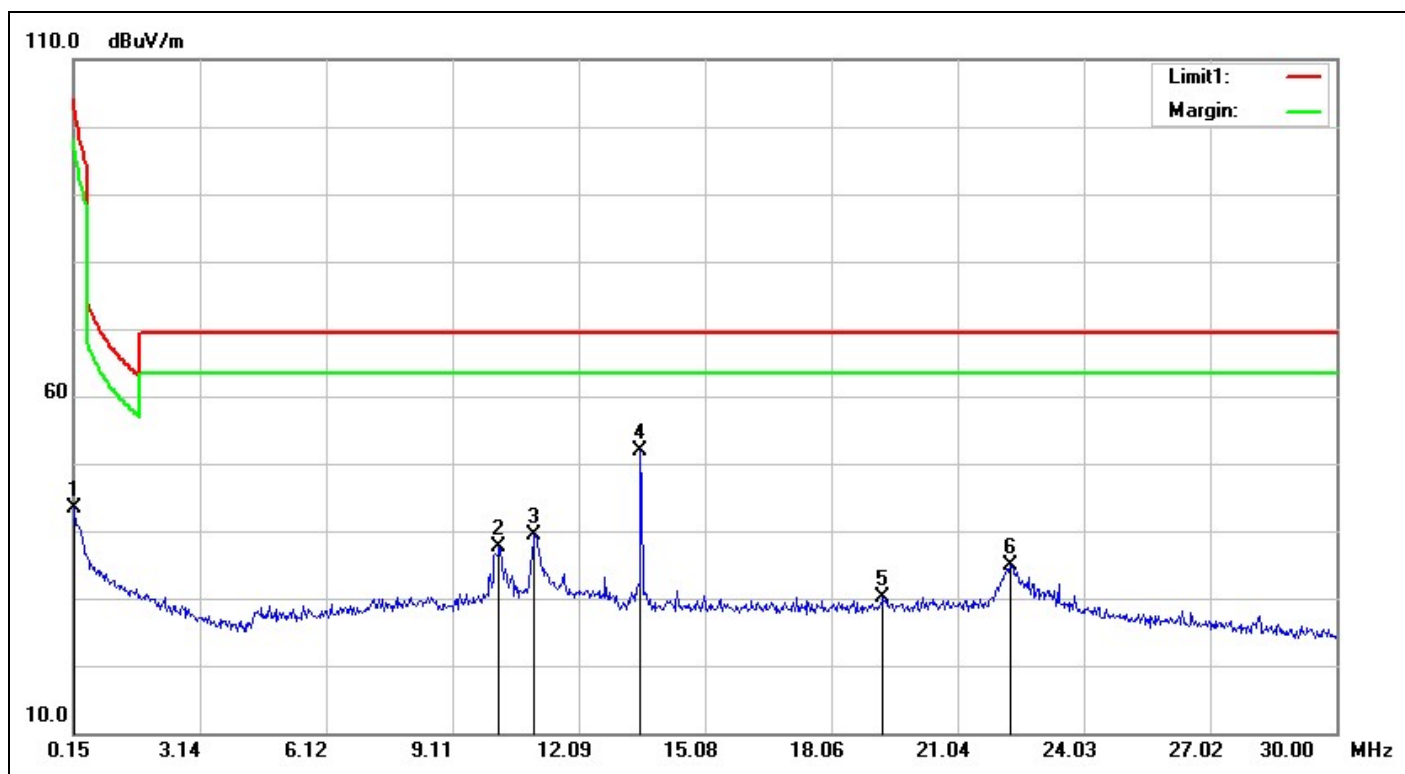
Spurious Emissions, TX Mode, 150 kHz -30MHz



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Service No.:	114079235	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/7/4 09:29:25
Applicant:	ASSA ABLOY	Test Rating:	DC 6V
Product:	Digital door locks	Temp.(°C)/Hum.(%)	24(°C)/51%
Model No.:	YDM7116	Test Engineer:	Amy Hsu
Test Mode:			
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	18.37	25.11	43.48	102.50	-59.02	QP	100	3	
2	10.2095	20.44	17.07	37.51	69.50	-31.99	QP	100	6	
3	11.0452	20.54	18.89	39.43	69.50	-30.07	QP	100	321	
4	13.5527	20.83	30.97	51.80	69.50	-17.70	QP	100	177	
5	19.2839	21.50	8.72	30.22	69.50	-39.28	QP	100	155	
6	22.2987	21.67	13.12	34.79	69.50	-34.71	QP	100	278	

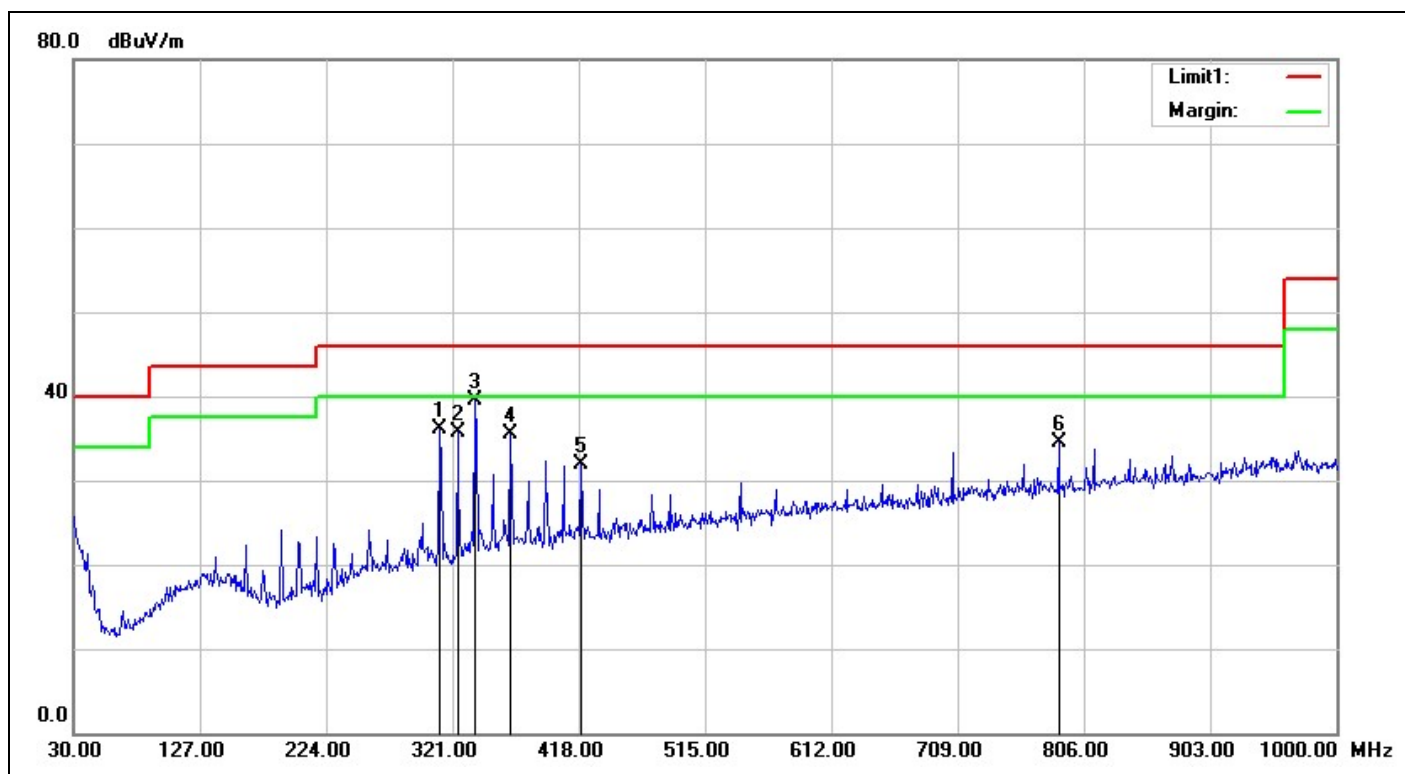
Spurious Emissions, TX Mode, 30MHz-1GHz



TUV Rheinland Taiwan Ltd.

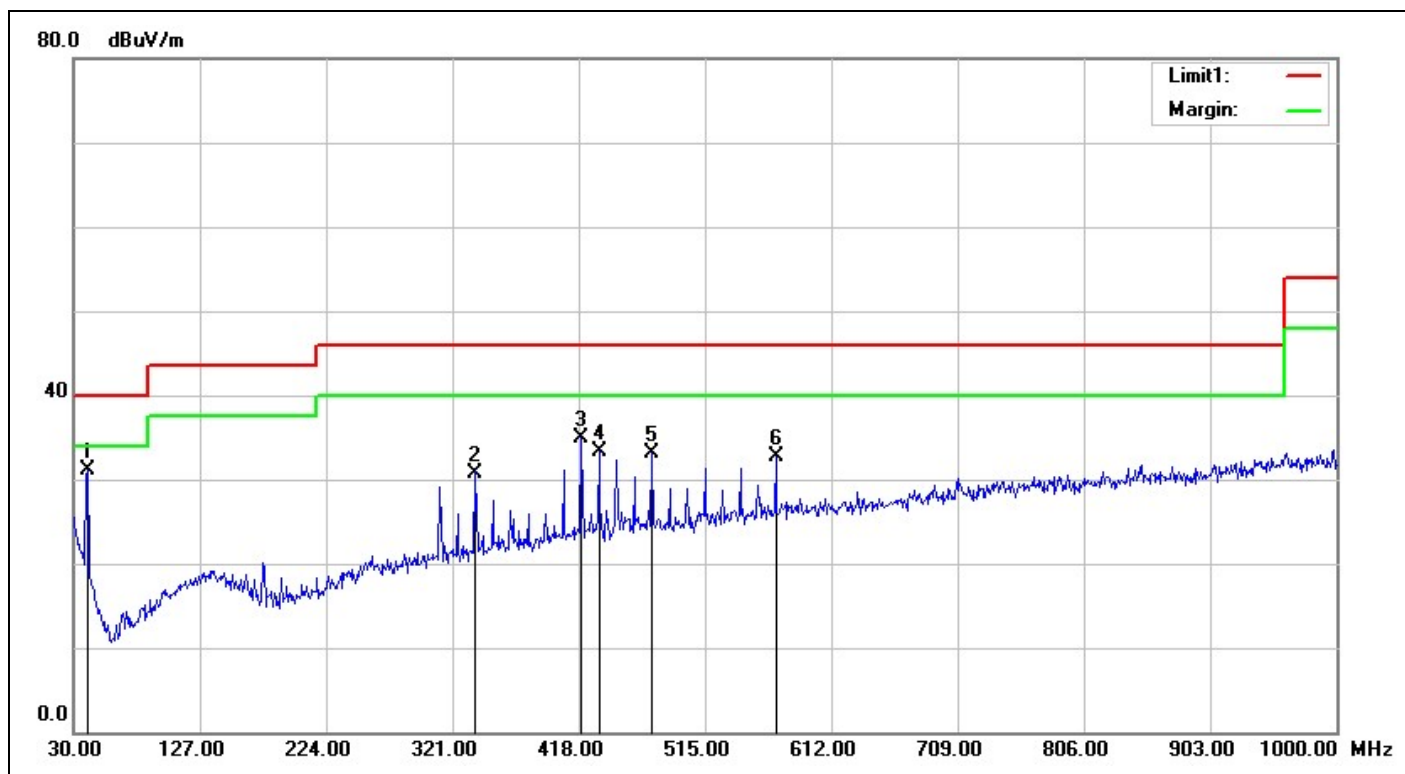
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Service No.:	114079235	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/7/4 10:37:13
Applicant:	ASSA ABLOY	Test Rating:	DC 6V
Product:	Digital door locks	Temp.(°C)/Hum.(%)	24(°C)/51%
Model No.:	YDM7116	Test Engineer:	Amy Hsu
Test Mode:			
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	311.3000	-4.18	40.32	36.14	46.00	-9.86	QP	100	269	
2	324.8800	-3.84	39.58	35.74	46.00	-10.26	QP	100	91	
3	338.4600	-3.52	43.06	39.54	46.00	-6.46	QP	100	91	
4	365.6200	-2.94	38.39	35.45	46.00	-10.55	QP	100	264	
5	419.9400	-2.09	33.96	31.87	46.00	-14.13	QP	100	274	
6	786.6000	2.85	31.75	34.60	46.00	-11.40	QP	100	360	



Service No.:	114079235	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/7/4 10:38:17
Applicant:	ASSA ABLOY	Test Rating:	DC 6V
Product:	Digital door locks	Temp.(°C)/Hum.(%):	24(°C)/51%
Model No.:	YDM7116	Test Engineer:	Amy Hsu
Test Mode:			
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	40.6700	-6.22	37.31	31.09	40.00	-8.91	QP	100	64	
2	338.4600	-3.52	34.32	30.80	46.00	-15.20	QP	100	174	
3	419.9400	-2.09	37.01	34.92	46.00	-11.08	QP	100	3	
4	433.5200	-1.94	35.33	33.39	46.00	-12.61	QP	100	36	
5	474.2600	-1.41	34.51	33.10	46.00	-12.90	QP	100	357	
6	569.3200	-0.10	32.84	32.74	46.00	-13.26	QP	100	128	