

Test Report No.50123396 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50123396AppendixD)

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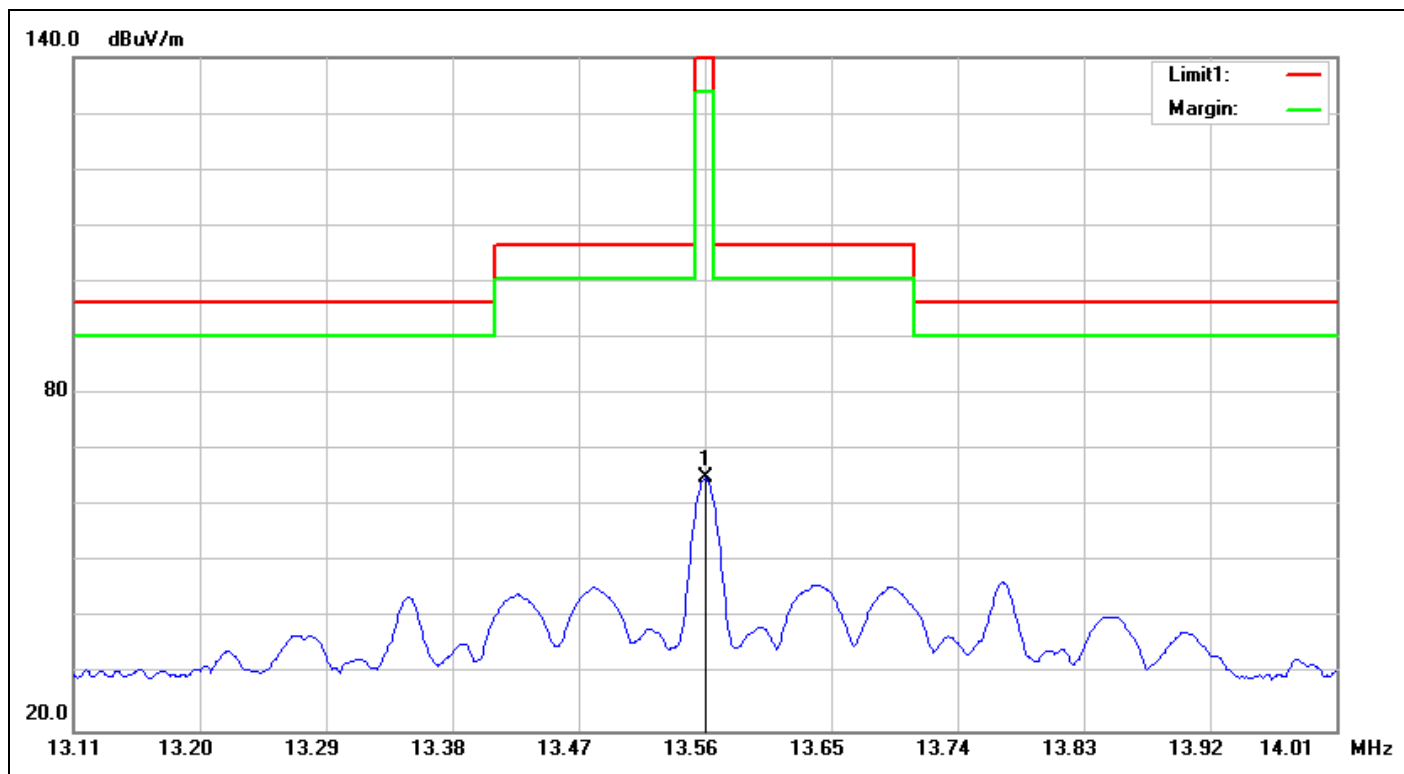
Emissions, Fundamental



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Service No.:	114073029	Test Distance:	1.2m
Test Standard:	FCC 15.225_Fundamental_1.2m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/16 11:55:59
Applicant:	Tong Lung Metal Industry Co., Ltd.	Test Rating:	DC 6V
Product:	Touchpad Proximity Electronic Deadbolt	Temp.(°C)/Hum.(%):	22(°C)/65%
Model No.:	PL2-TR	Test Engineer:	Curry Chen
Test Mode:	TX+RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	13.5600	20.85	44.16	65.01	139.90	-74.89	QP	100	179	

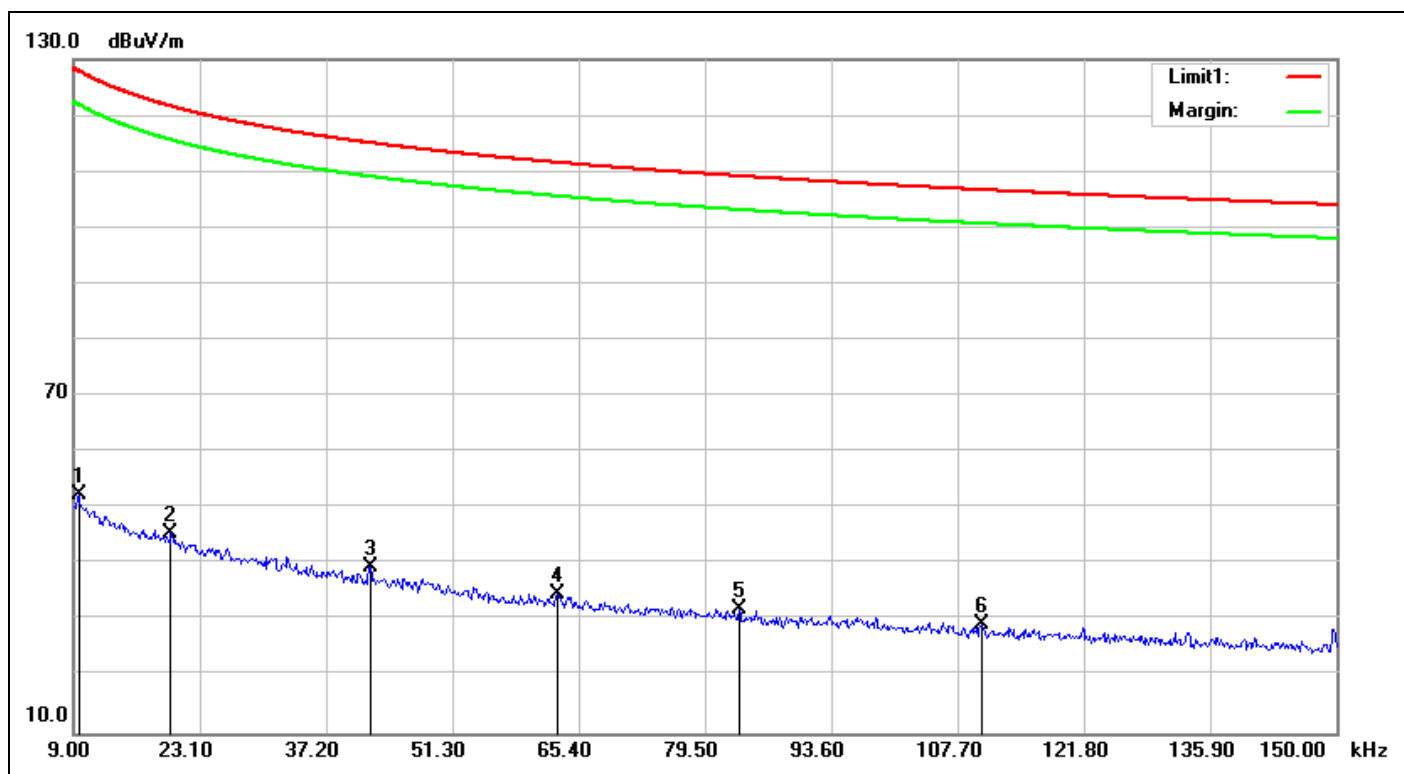
Spurious Emissions, TX Mode, 0.009-30M



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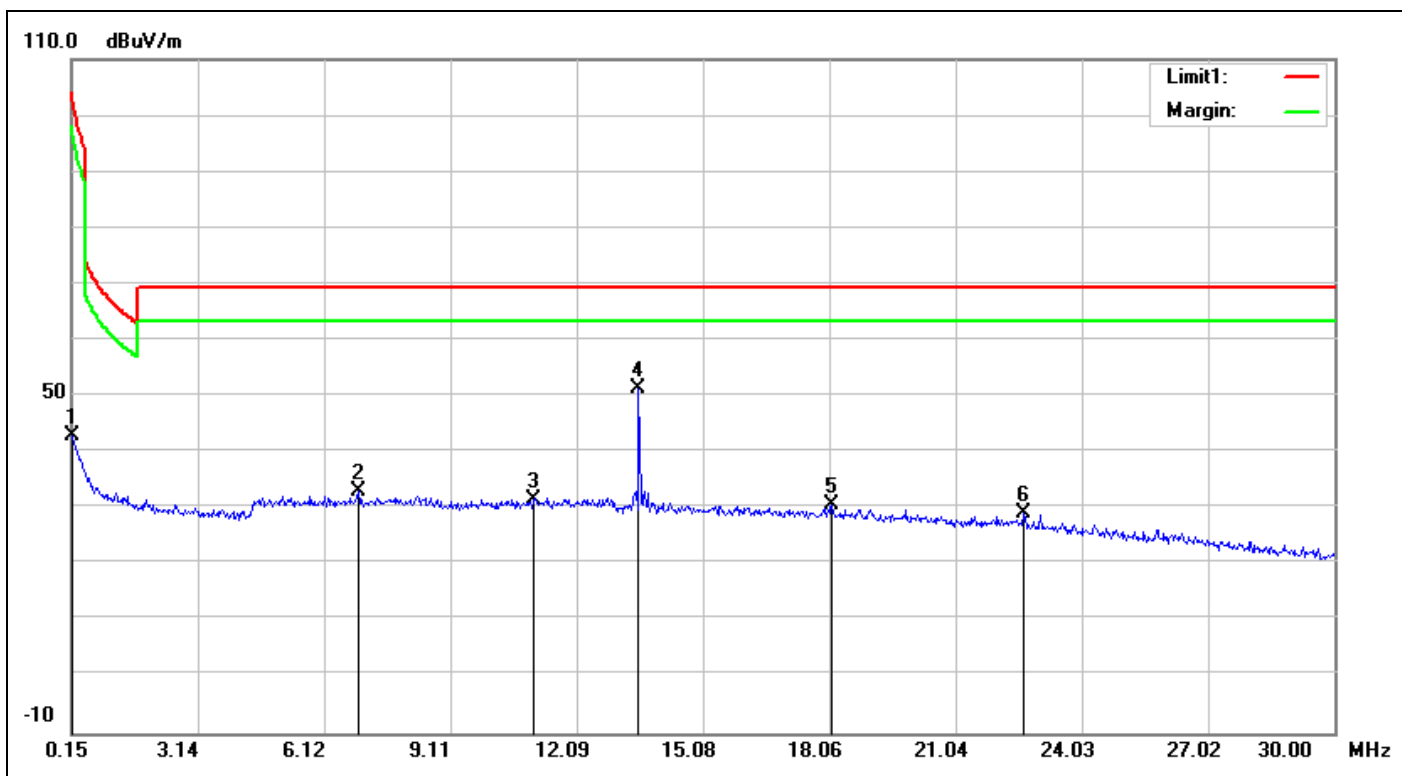
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Service No.:	114073029	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/16 11:06:35
Applicant:	Tong Lung Metal Industry Co., Ltd.	Test Rating:	DC 6V
Product:	Touchpad Proximity Electronic Deadbolt	Temp.(°C)/Hum.(%)	23(°C)/65%
Model No.:	PL2-TR	Test Engineer:	Curry Chen
Test Mode:	TX+RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0095	19.73	32.69	52.42	128.03	-75.61	QP	100	195	
2	0.0198	20.03	25.61	45.64	121.66	-76.02	QP	100	187	
3	0.0421	19.71	19.95	39.66	115.11	-75.45	QP	100	345	
4	0.0630	19.35	15.49	34.84	111.61	-76.77	QP	100	27	
5	0.0833	19.23	12.74	31.97	109.18	-77.21	QP	100	59	
6	0.1103	19.12	10.10	29.22	106.75	-77.53	QP	100	89	

Spurious Emissions, TX 9k-30M



Service No.:	114073029	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/16 11:09:51
Applicant:	Tong Lung Metal Industry Co., Ltd.	Test Rating:	DC 6V
Product:	Touchpad Proximity Electronic Deadbolt	Temp.(°C)/Hum.(%):	23(°C)/65%
Model No.:	PL2-TR	Test Engineer:	Curry Chen
Test Mode:	TX+RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	23.95	43.03	104.08	-61.05	QP	100	285	
2	6.9260	19.93	13.18	33.11	69.50	-36.39	QP	100	320	
3	11.0751	20.41	11.25	31.66	69.50	-37.84	QP	100	333	
4	13.5600	20.85	30.37	51.22	69.50	-18.28	QP	100	2	
5	18.1197	21.65	9.05	30.70	69.50	-38.80	QP	100	263	
6	22.6569	22.16	7.03	29.19	69.50	-40.31	QP	100	85	

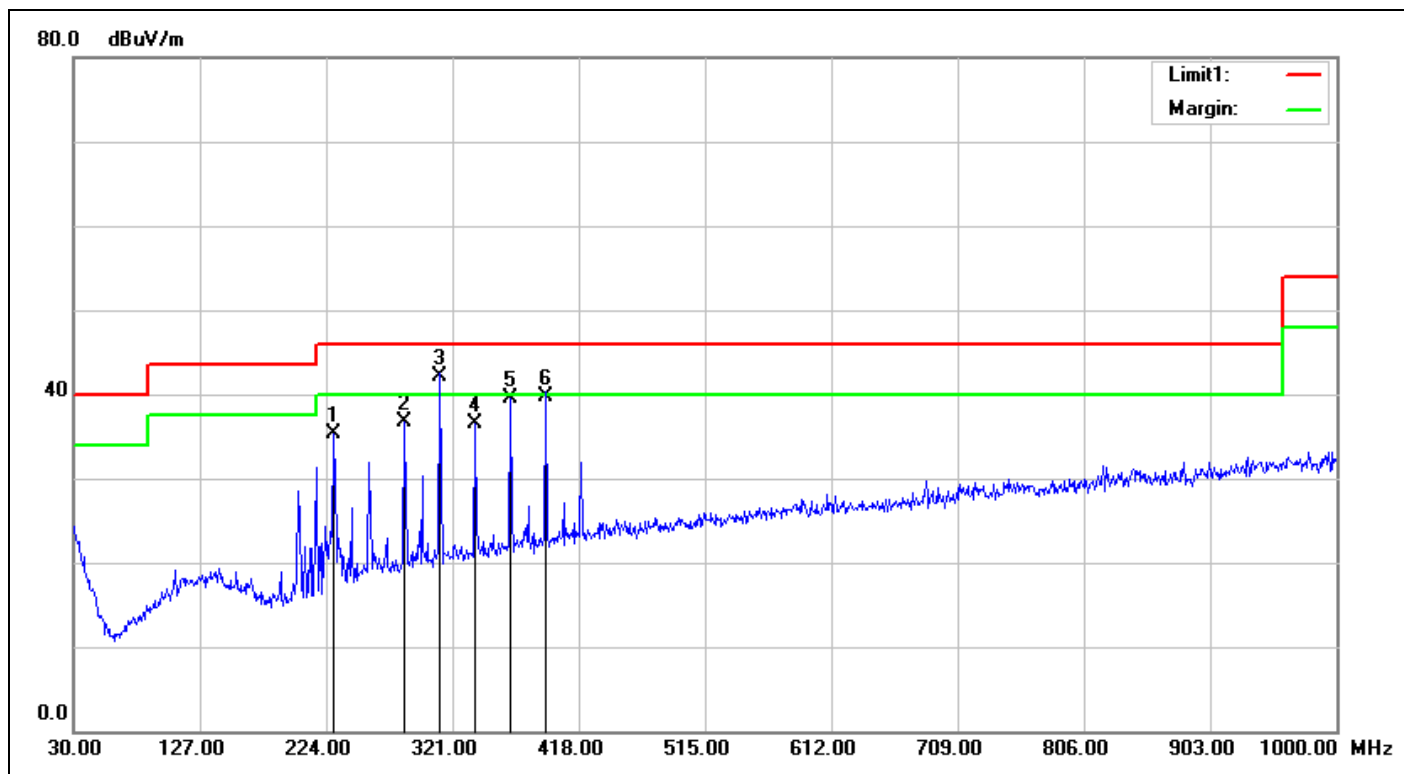
Spurious Emissions, TX Mode, 30M-1G



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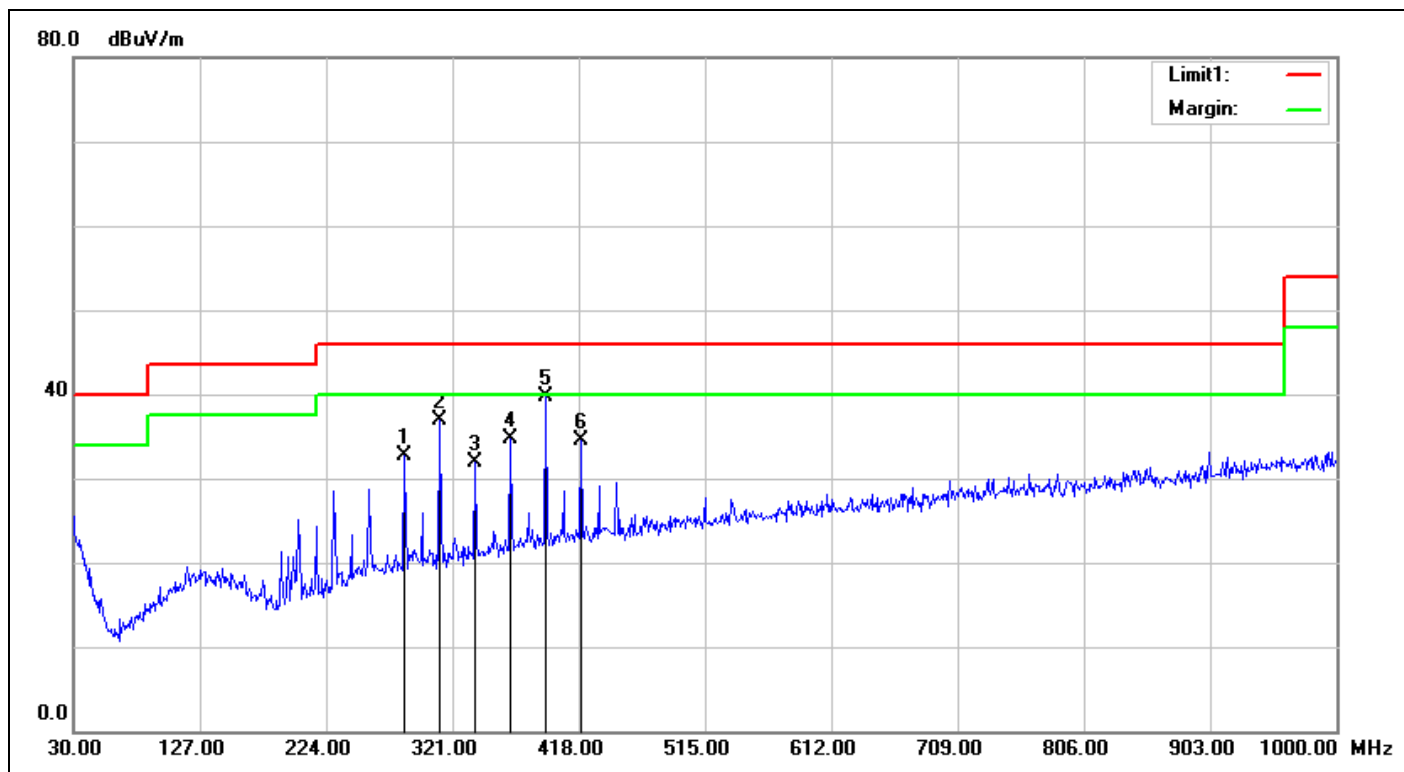
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Service No.:	114073029	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/16 13:33:22
Applicant:	Tong Lung Metal Industry Co., Ltd.	Test Rating:	DC 6V
Product:	Touchpad Proximity Electronic Deadbolt	Temp.(°C)/Hum.(%)	22(°C)/65%
Model No.:	PL2-TR	Test Engineer:	Curry Chen
Test Mode:	TX+RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	229.8200	-7.57	42.81	35.24	46.00	-10.76	QP	100	248	
2	284.1400	-5.00	41.75	36.75	46.00	-9.25	QP	100	83	
3	311.3000	-4.29	46.49	42.20	46.00	-3.80	QP	100	78	
4	338.4600	-3.63	40.19	36.56	46.00	-9.44	QP	100	258	
5	365.6200	-3.06	42.57	39.51	46.00	-6.49	QP	100	264	
6	392.7799	-2.56	42.26	39.70	46.00	-6.30	QP	100	267	

Spurious Emissions, TX 30M-1G



Service No.:	114073029	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/16 13:34:25
Applicant:	Tong Lung Metal Industry Co., Ltd.	Test Rating:	DC 6V
Product:	Touchpad Proximity Electronic Deadbolt	Temp.(°C)/Hum.(%):	22(°C)/65%
Model No.:	PL2-TR	Test Engineer:	Curry Chen
Test Mode:	TX+RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	284.1400	-5.00	37.77	32.77	46.00	-13.23	QP	100	0	
2	311.3000	-4.29	41.19	36.90	46.00	-9.10	QP	100	161	
3	338.4600	-3.63	35.45	31.82	46.00	-14.18	QP	100	195	
4	365.6200	-3.06	37.83	34.77	46.00	-11.23	QP	100	357	
5	392.7800	-2.56	42.36	39.80	46.00	-6.20	QP	100	12	
6	419.9400	-2.22	36.73	34.51	46.00	-11.49	QP	100	12	

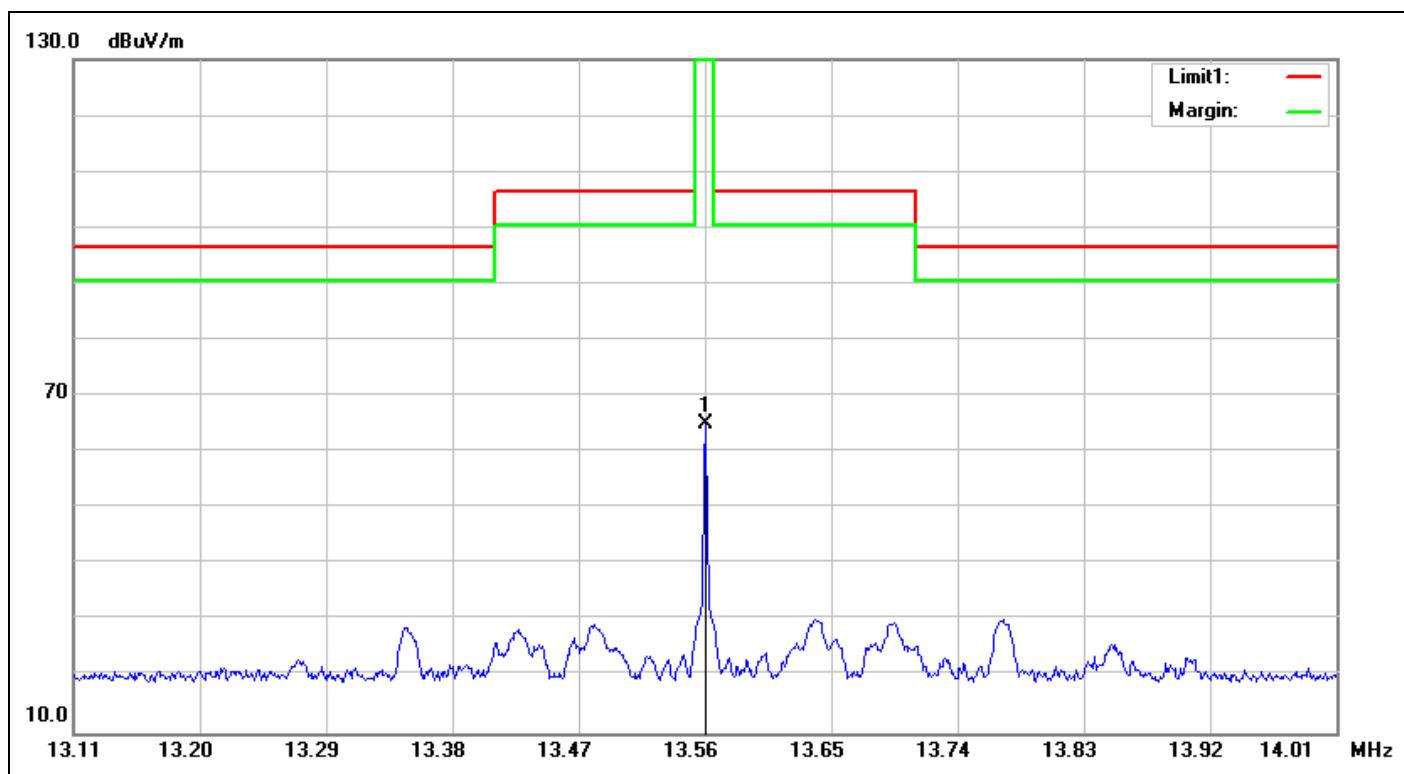
Emission Mask



TUV Rheinland Taiwan Ltd.

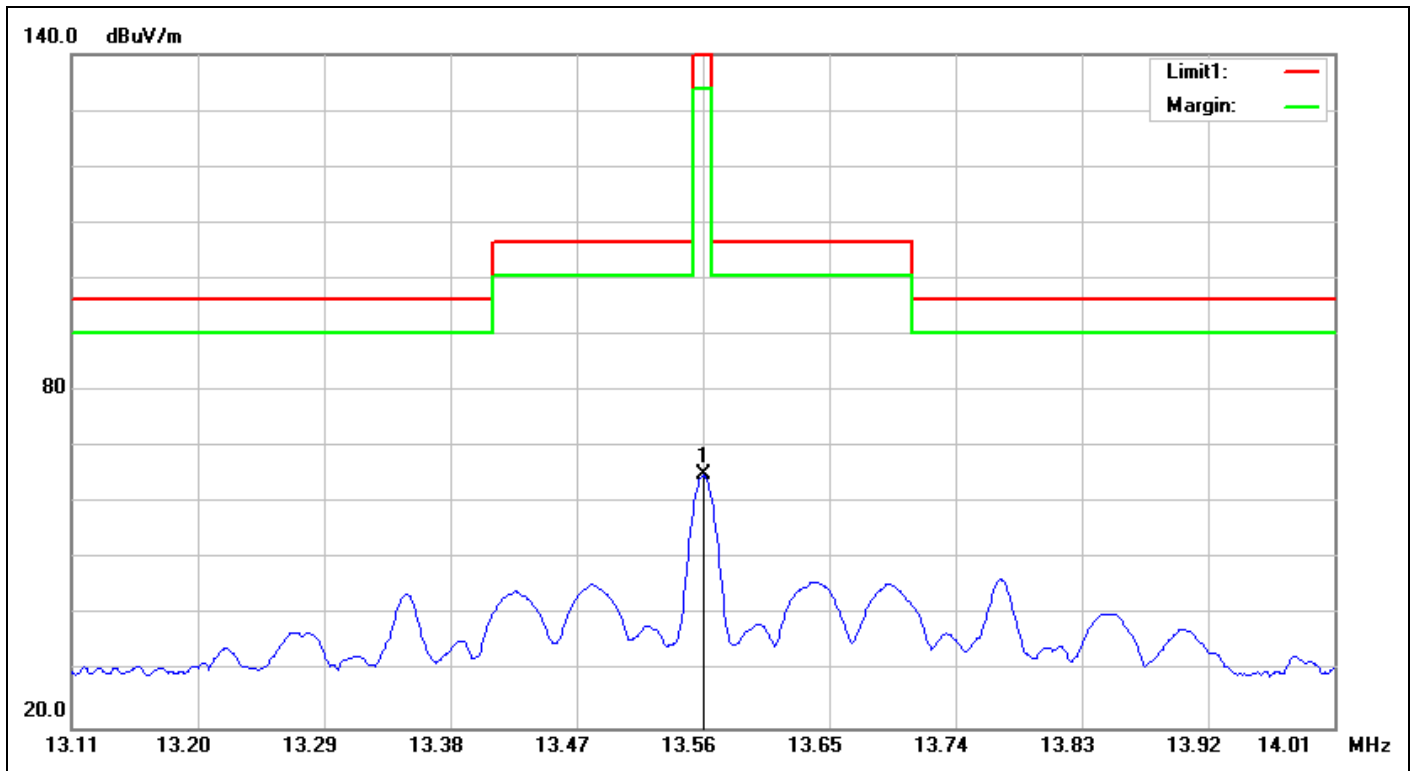
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Service No.:	114073029	Test Distance:	1.2m
Test Standard:	FCC 15.225_Fundamental_1.2m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/16 13:06:25
Applicant:	Tong Lung Metal Industry Co., Ltd.	Test Rating:	DC 6V
Product:	Touchpad Proximity Electronic Deadbolt	Temp.(°C)/Hum.(%):	22(°C)/65%
Model No.:	PL2-TR	Test Engineer:	Curry Chen
Test Mode:	TX+RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	13.5600	20.85	44.14	64.99	139.90	-74.91	QP	100	176	



Service No.:	114073029	Test Distance:	1.2m
Test Standard:	FCC 15.225_Fundamental_1.2m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/16 11:55:59
Applicant:	Tong Lung Metal Industry Co., Ltd.	Test Rating:	DC 6V
Product:	Touchpad Proximity Electronic Deadbolt	Temp.(°C)/Hum.(%):	22(°C)/65%
Model No.:	PL2-TR	Test Engineer:	Curry Chen
Test Mode:	TX+RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	13.5600	20.85	44.16	65.01	139.90	-74.89	QP	100	179	