

Test Report No.50127229 001

Appendix D: Radiated and Mains Spurious Emission Data

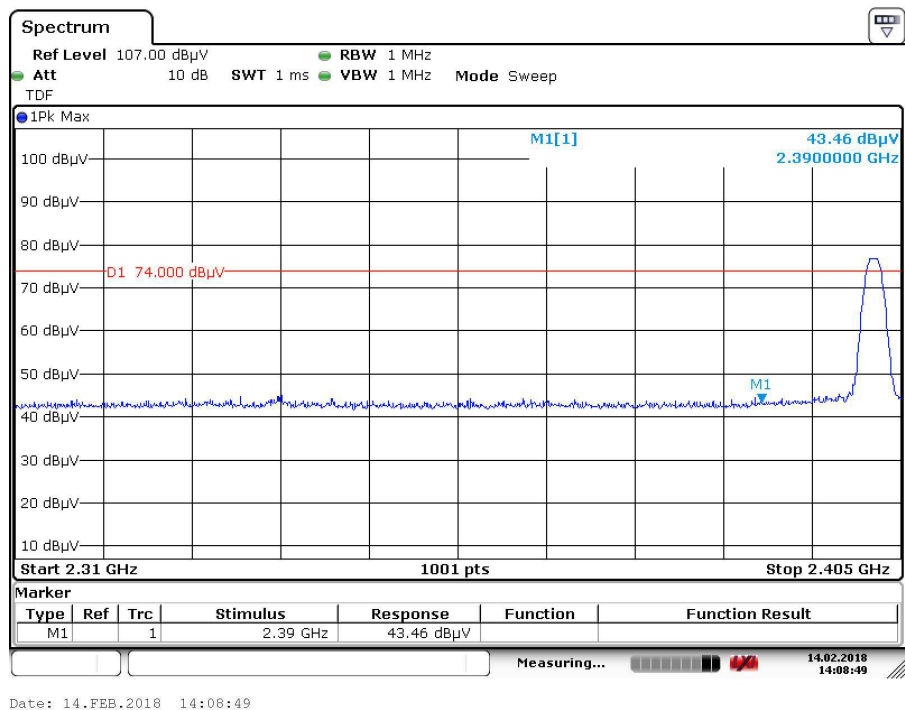
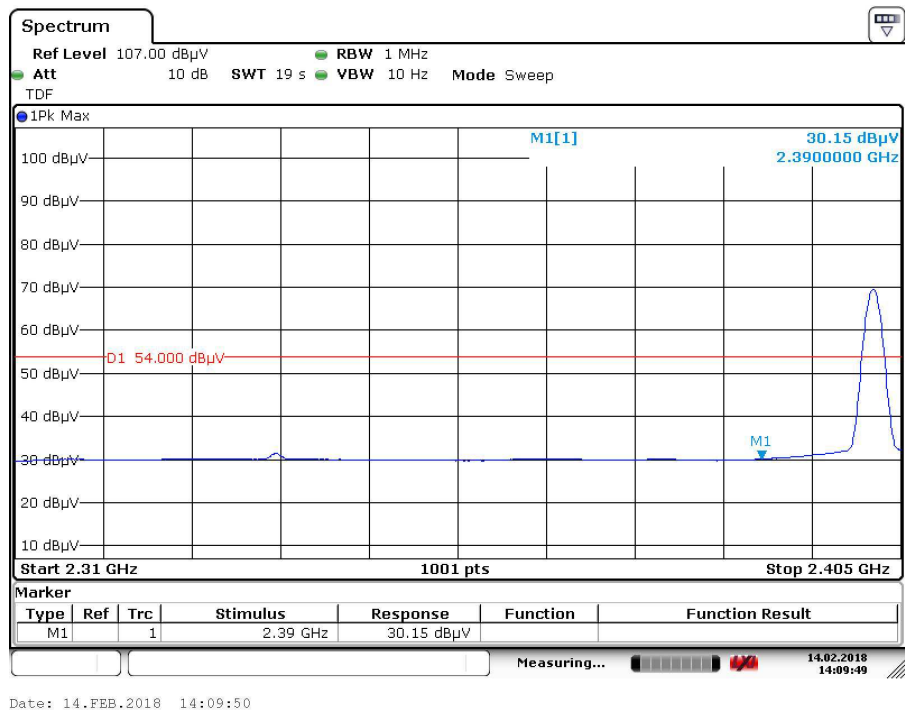
(File: 50127229AppendixD)

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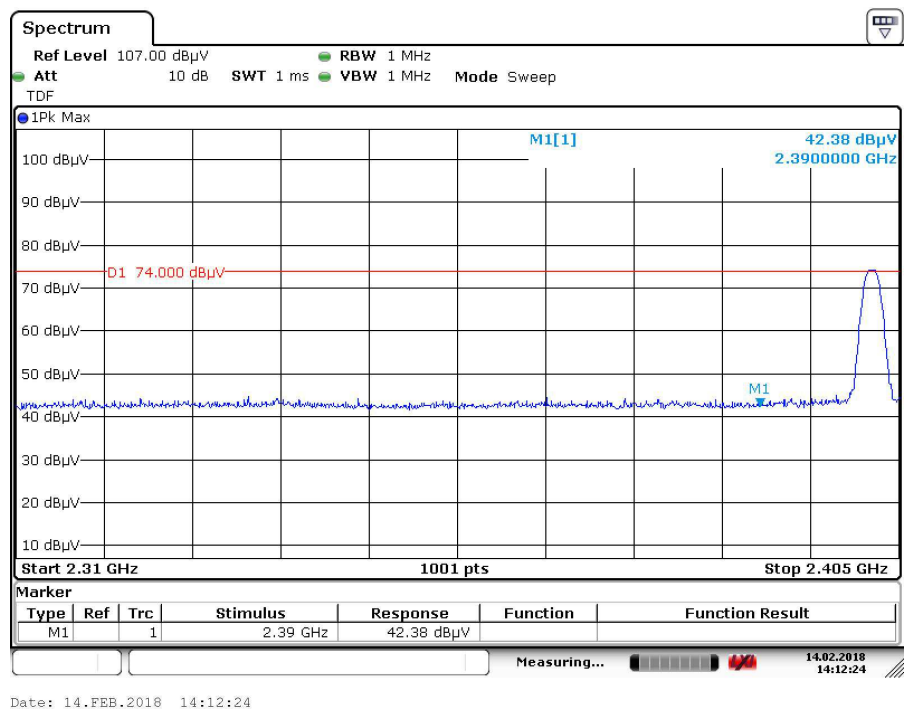
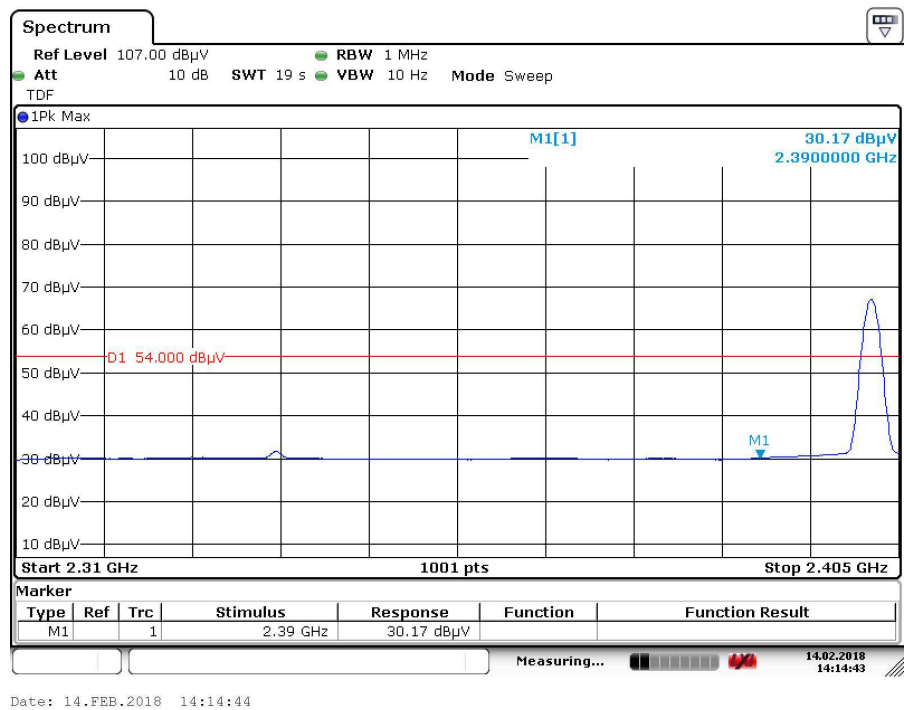
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Radiated Bandedge (GFSK)

Low Channel (Hor)

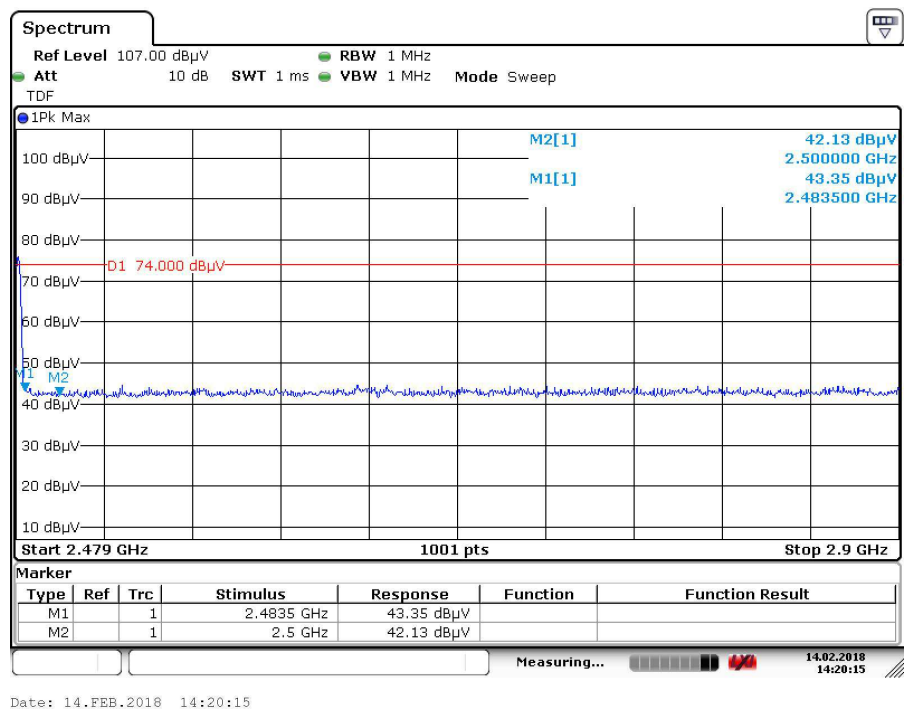
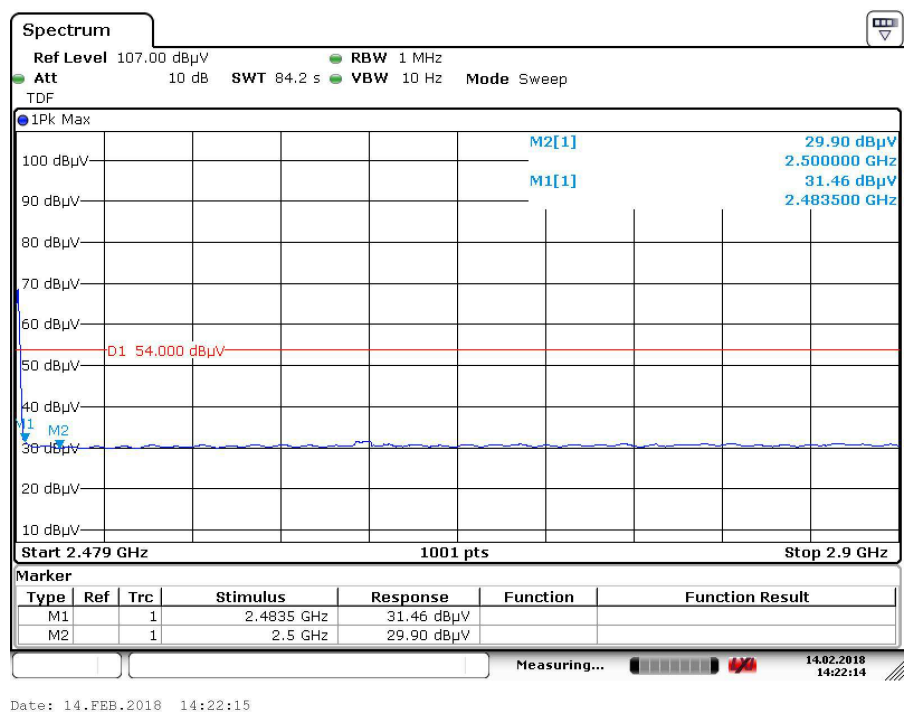


Low Channel (Ver)

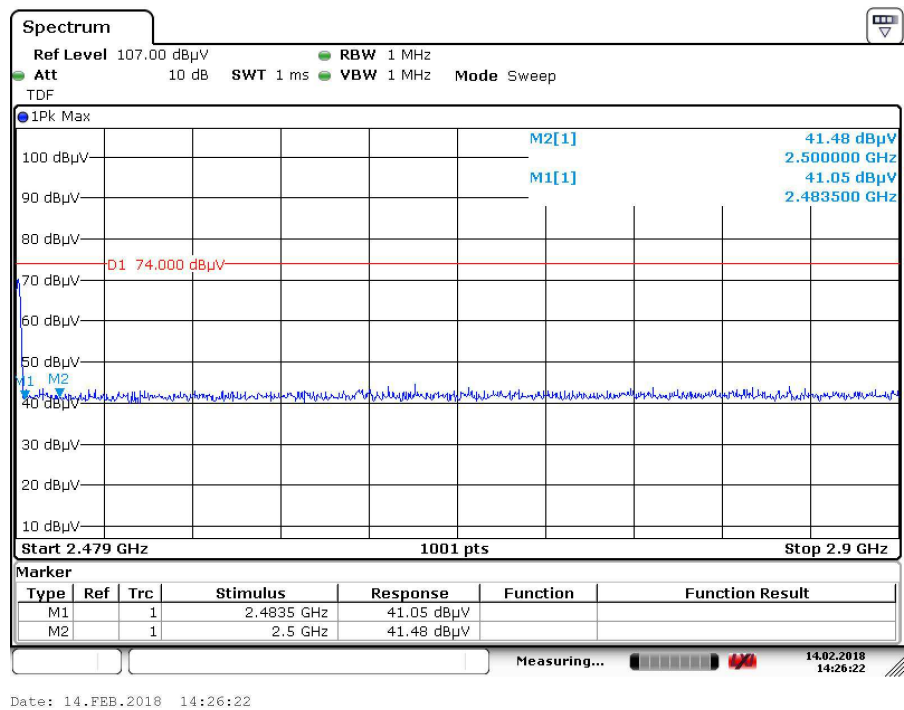
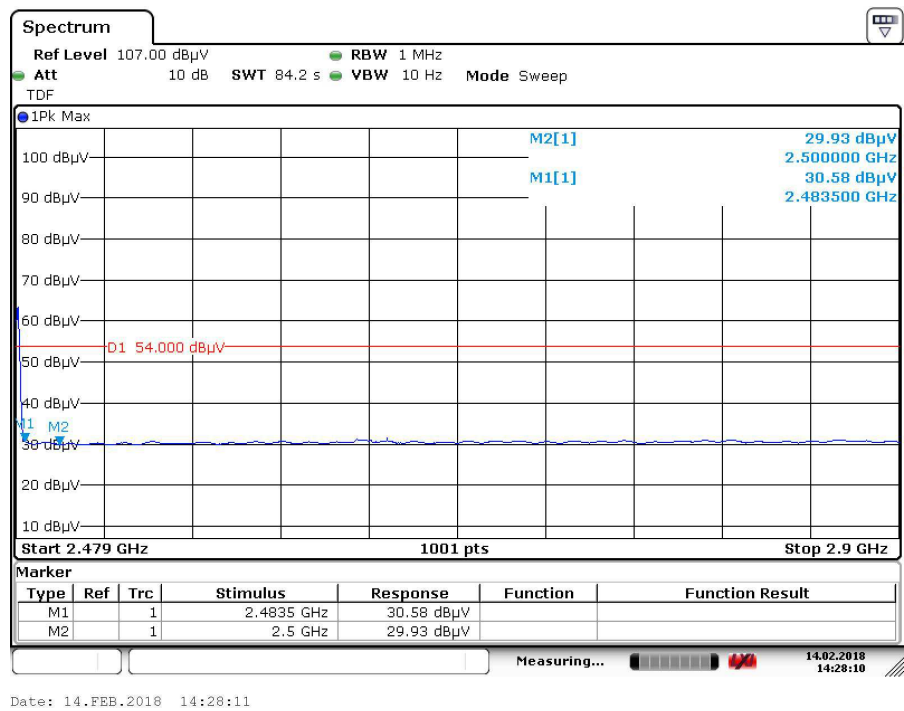


Radiated Bandedge (GFSK)

High Channel (Hor)



High Channel (Ver)



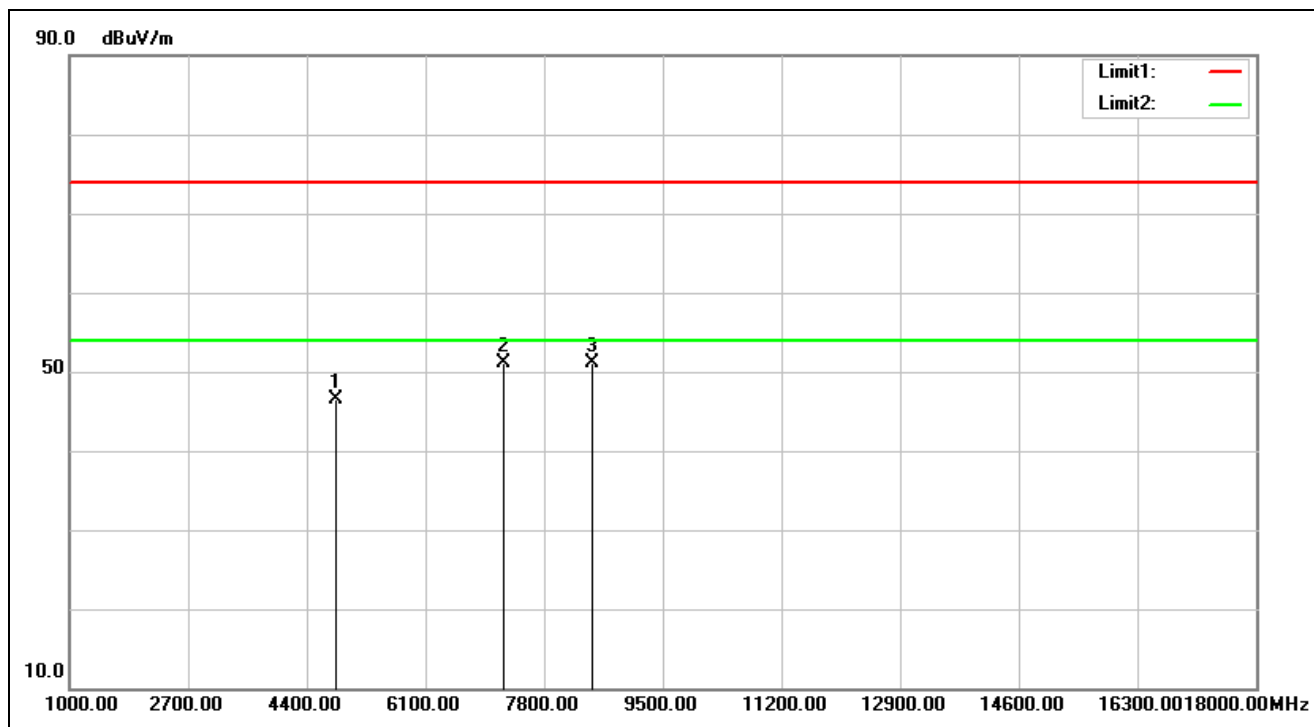
Spurious Emissions, TX Mode, 1-18G



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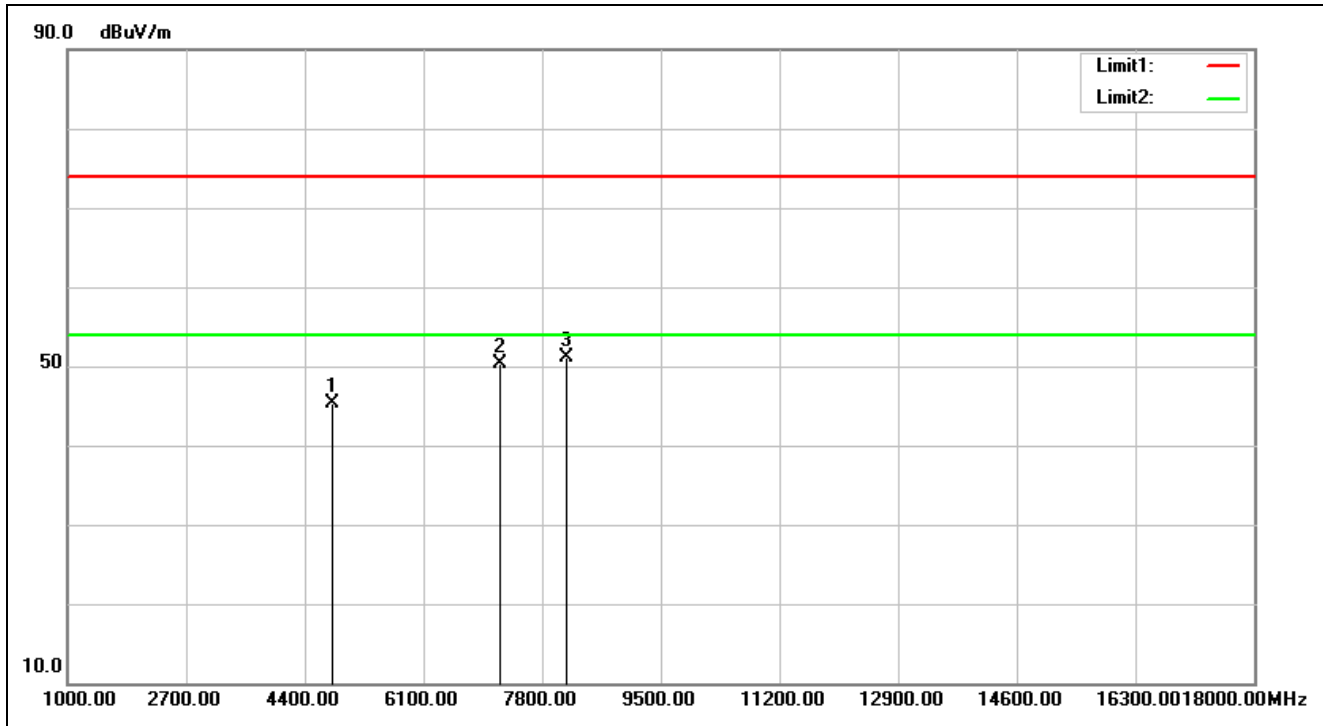
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



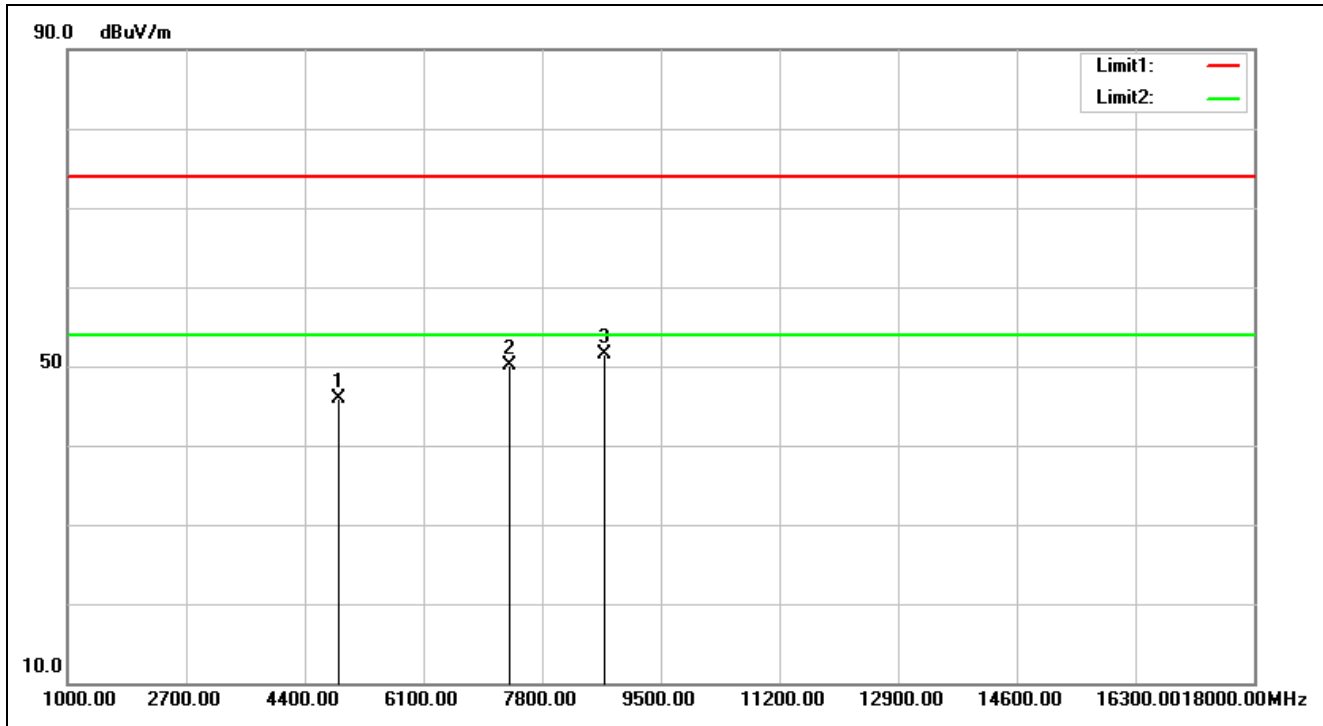
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 09:42:50
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	49.22	46.50	74.00	-27.50	peak			
2	7206.000	5.25	45.94	51.19	74.00	-22.81	peak			
3	8497.000	6.38	44.73	51.11	74.00	-22.89	peak	100	84	



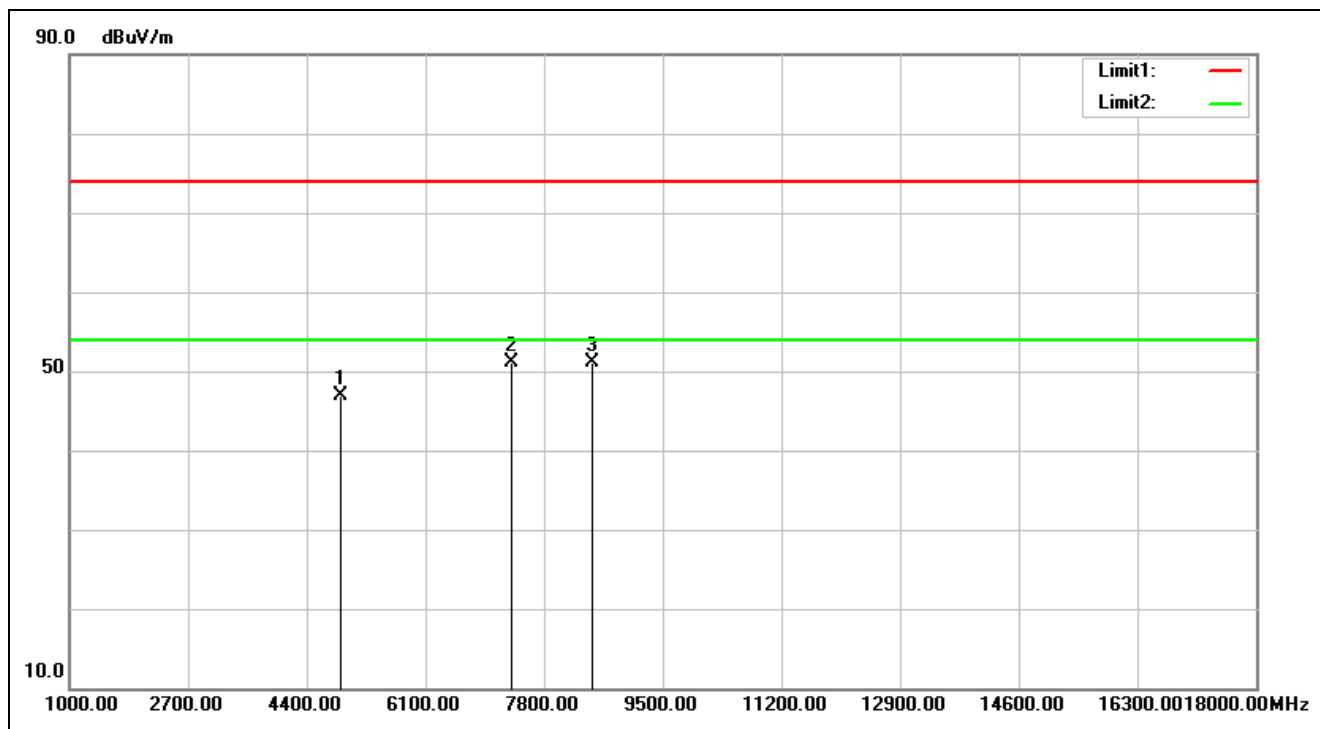
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 09:43:53
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	48.02	45.30	74.00	-28.70	peak			
2	7206.000	5.25	45.14	50.39	74.00	-23.61	peak			
3	8140.000	5.98	45.18	51.16	74.00	-22.84	peak	100	7	



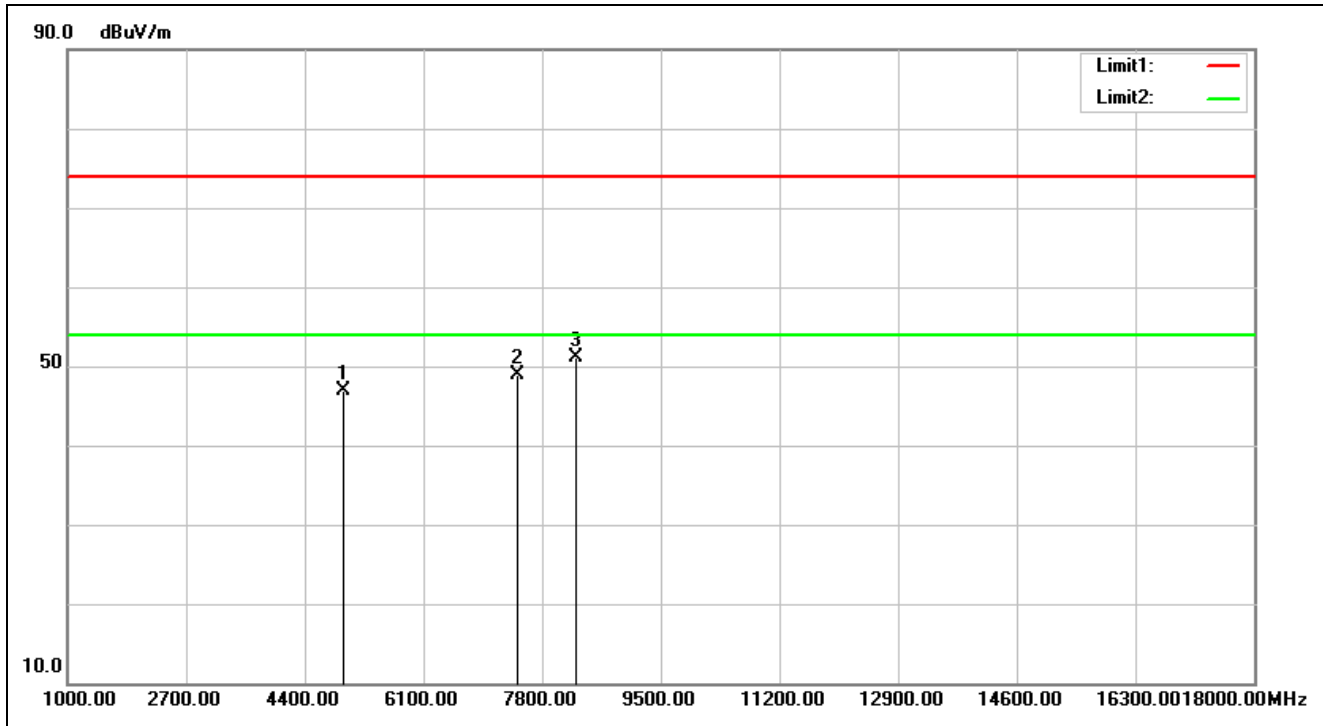
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 09:47:29
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.50	48.46	45.96	74.00	-28.04	peak			
2	7320.000	5.54	44.62	50.16	74.00	-23.84	peak			
3	8701.000	6.41	45.04	51.45	74.00	-22.55	peak	100	31	



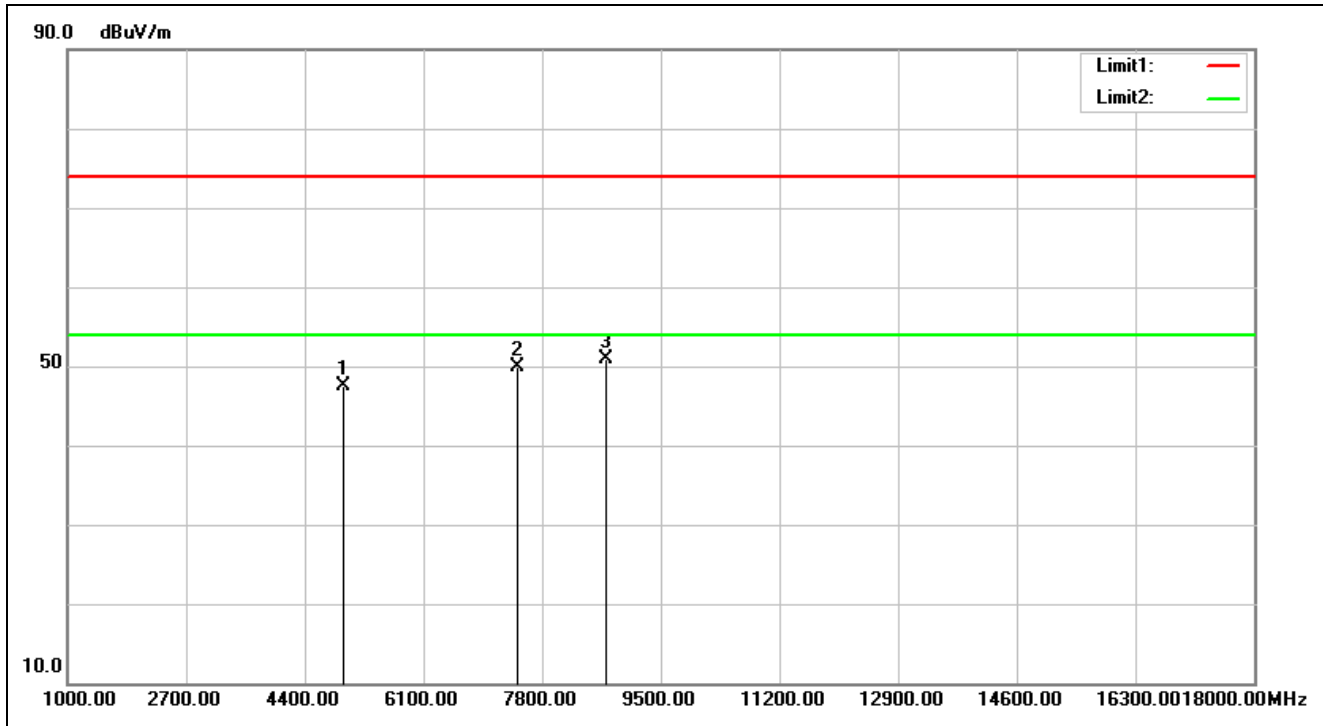
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Test item:	Radiation Emission	Test Time:	2018/2/14 09:48:32
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.50	49.36	46.86	74.00	-27.14	peak			
2	7320.000	5.54	45.61	51.15	74.00	-22.85	peak			
3	8480.000	6.35	44.75	51.10	74.00	-22.90	peak	100	229	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 09:37:21
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	49.25	46.97	74.00	-27.03	peak		0	
2	7440.000	5.84	43.14	48.98	74.00	-25.02	peak		0	
3	8276.000	6.12	44.90	51.02	74.00	-22.98	peak	100	145	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 09:38:24
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	49.69	47.41	74.00	-26.59	peak			
2	7440.000	5.84	44.15	49.99	74.00	-24.01	peak			
3	8718.000	6.40	44.55	50.95	74.00	-23.05	peak	100	46	

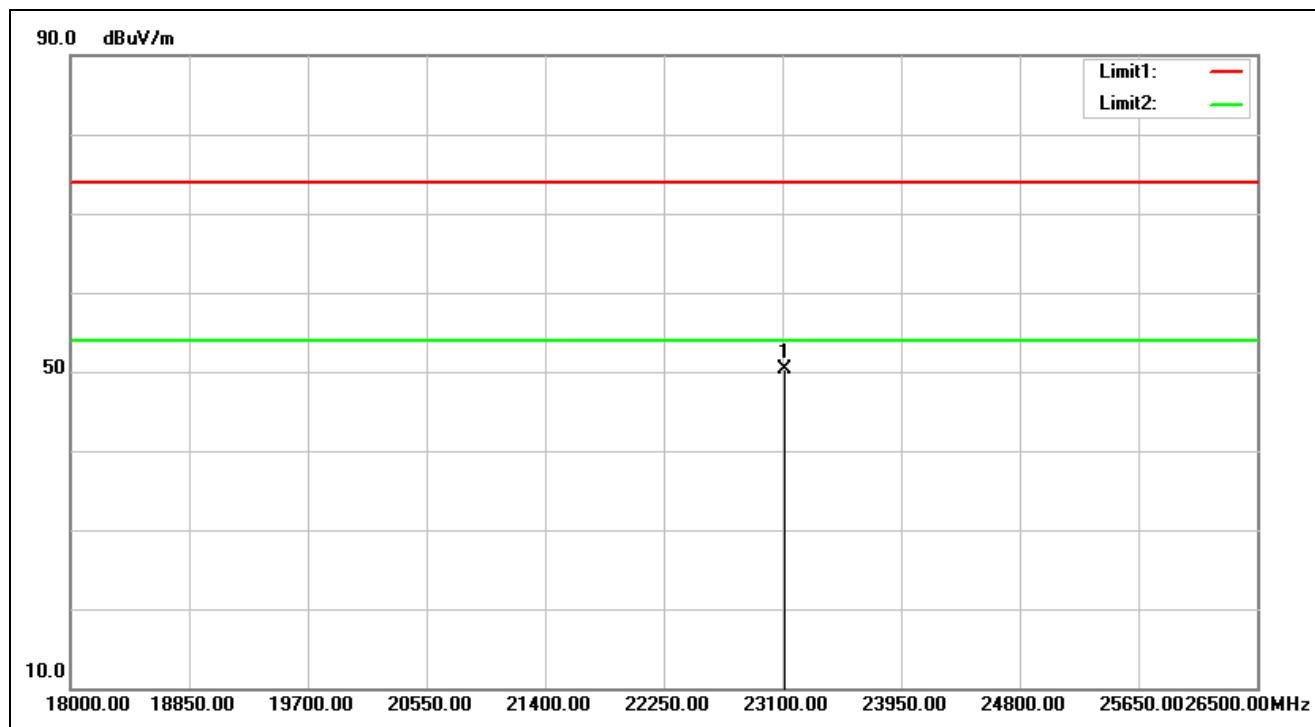
Spurious Emissions, TX Mode, 18-26G



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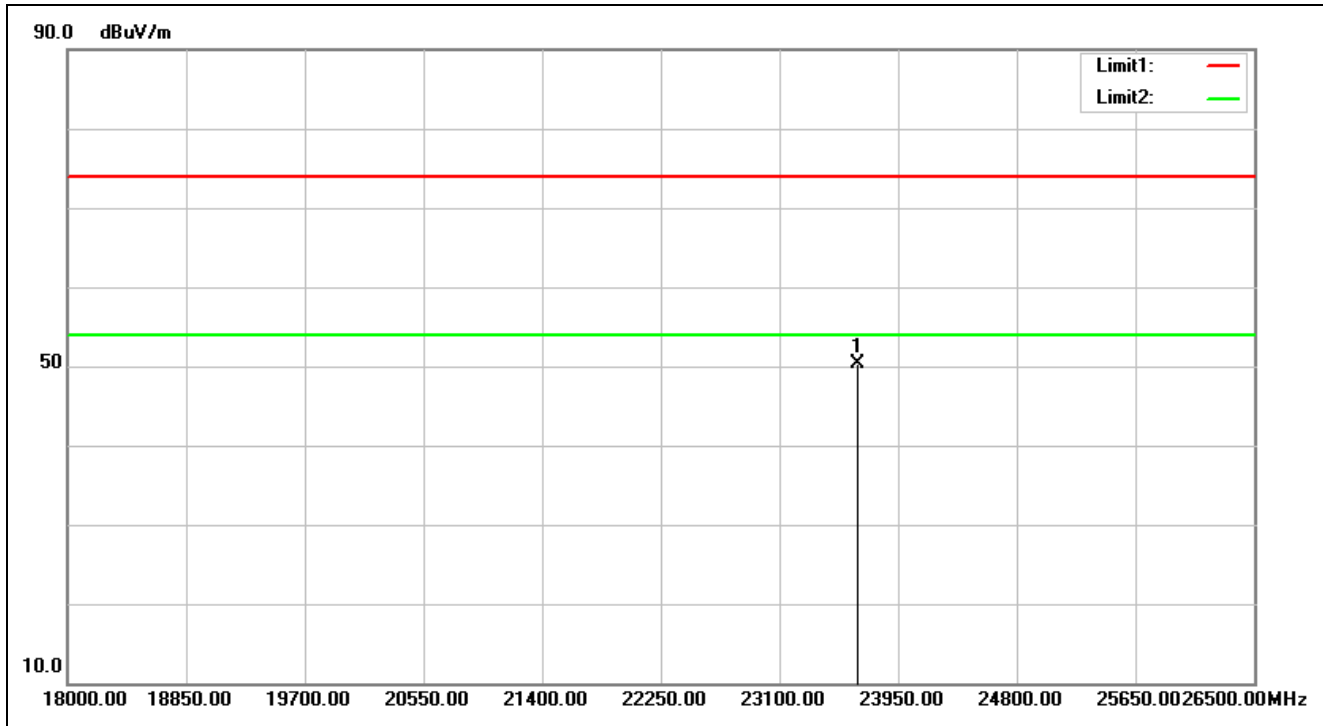
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Tel:+886-2172-7000 fax:+886-2528-0018



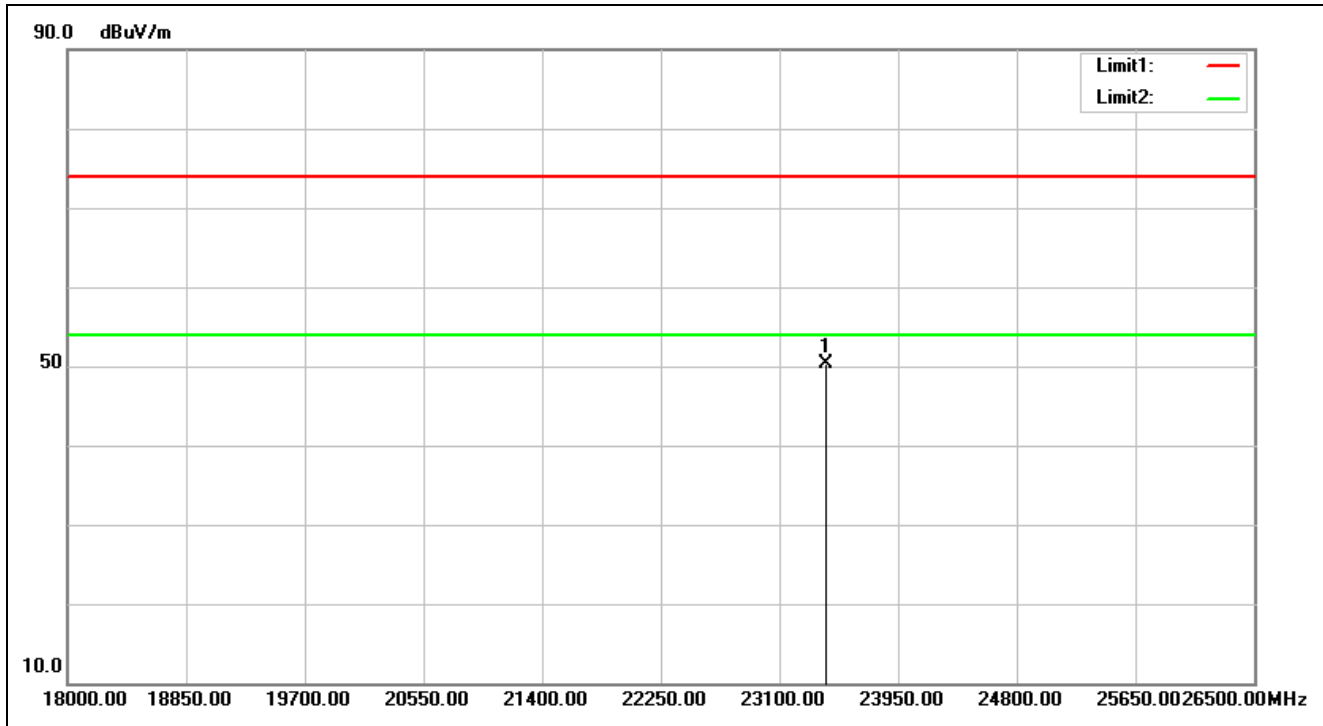
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:34:22
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23117.000	32.91	17.39	50.30	74.00	-23.70	peak		0	



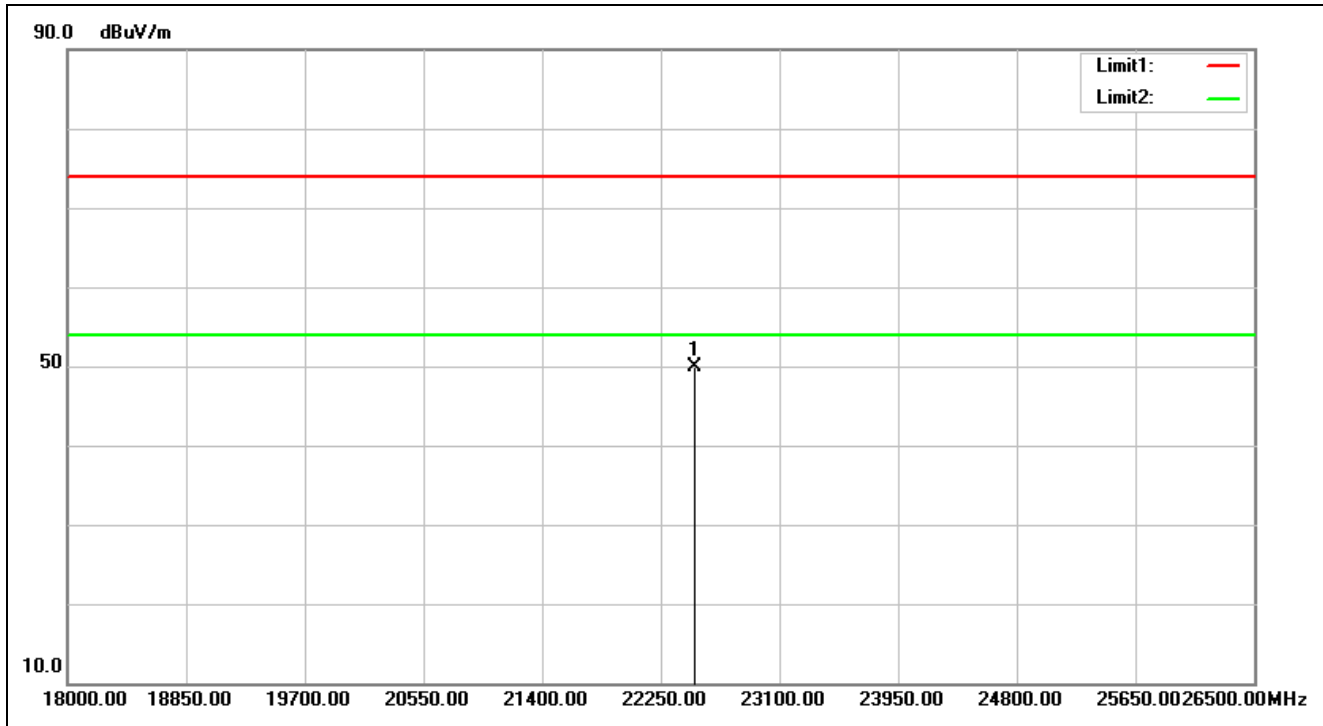
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 14:34:28
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23661.000	33.17	17.11	50.28	74.00	-23.72	peak	100	360	



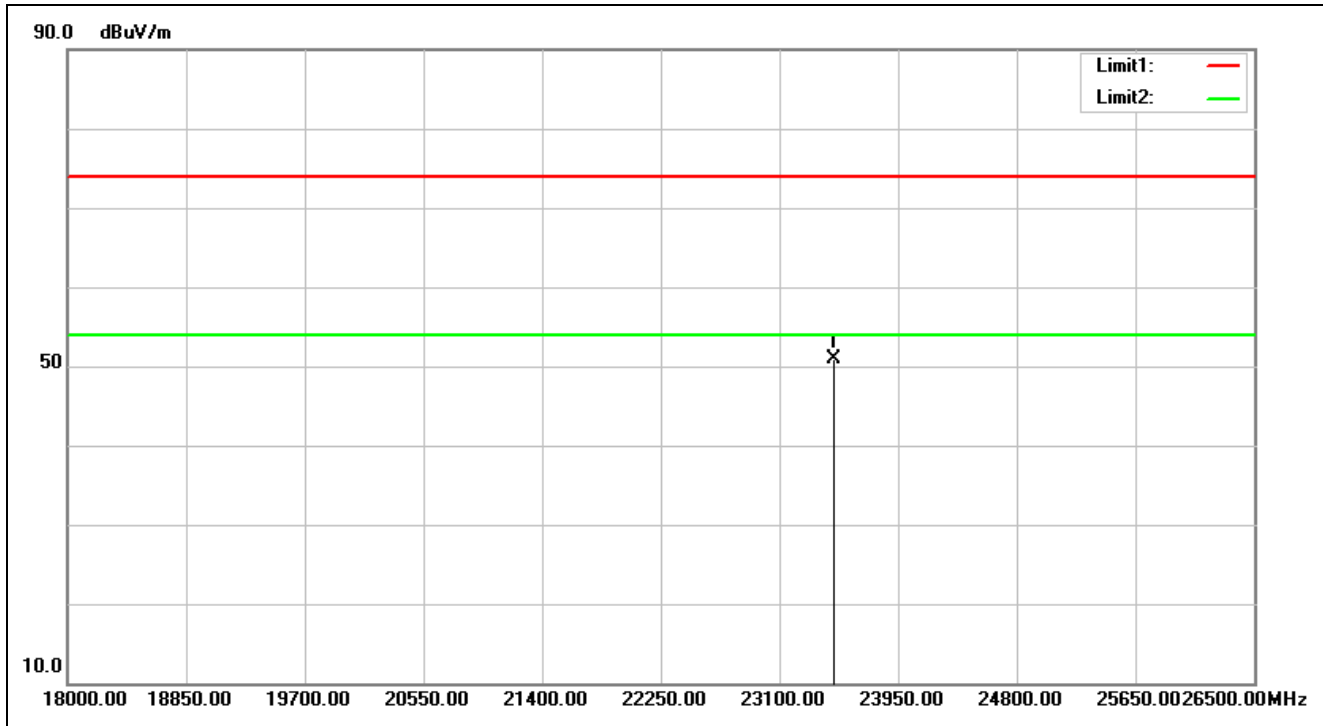
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:34:52
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23431.500	33.21	17.16	50.37	74.00	-23.63	peak			



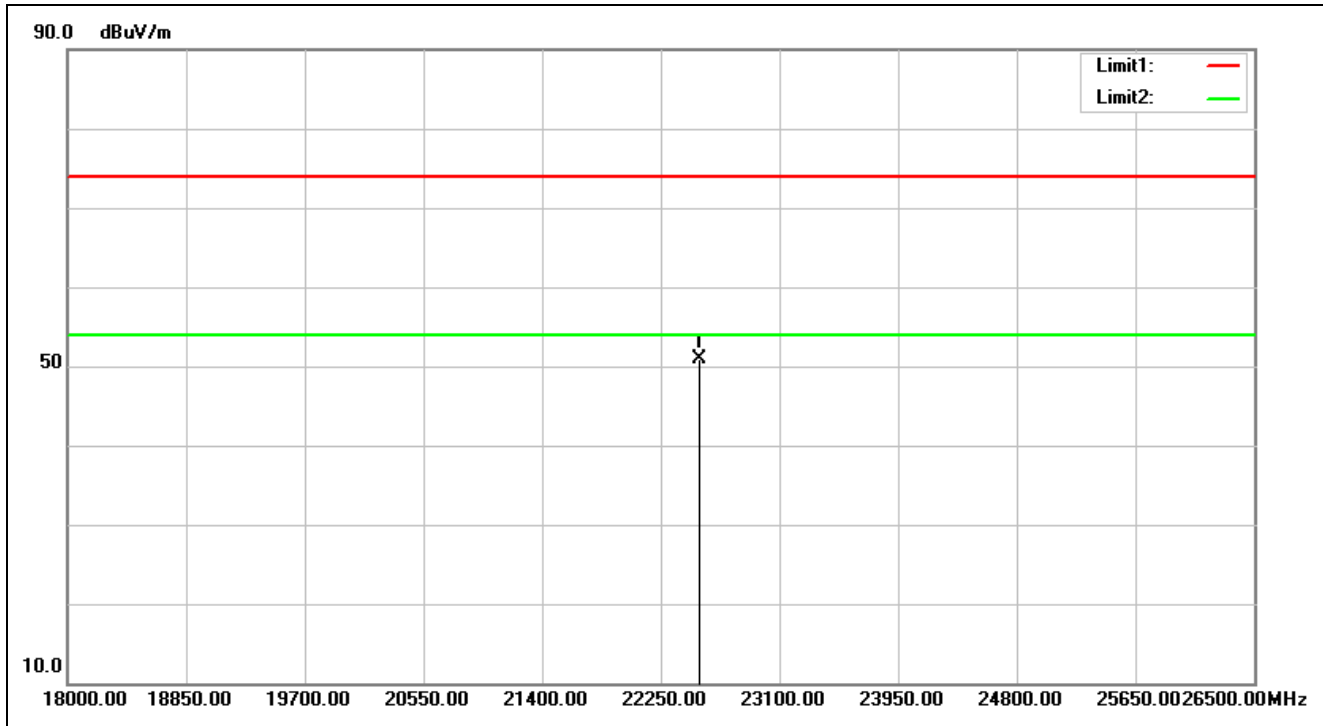
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 14:34:59
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22496.500	32.64	17.35	49.99	74.00	-24.01	peak			



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:35:22
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23491.000	33.27	17.55	50.82	74.00	-23.18	peak			



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 14:35:29
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22522.000	32.64	18.22	50.86	74.00	-23.14	peak			

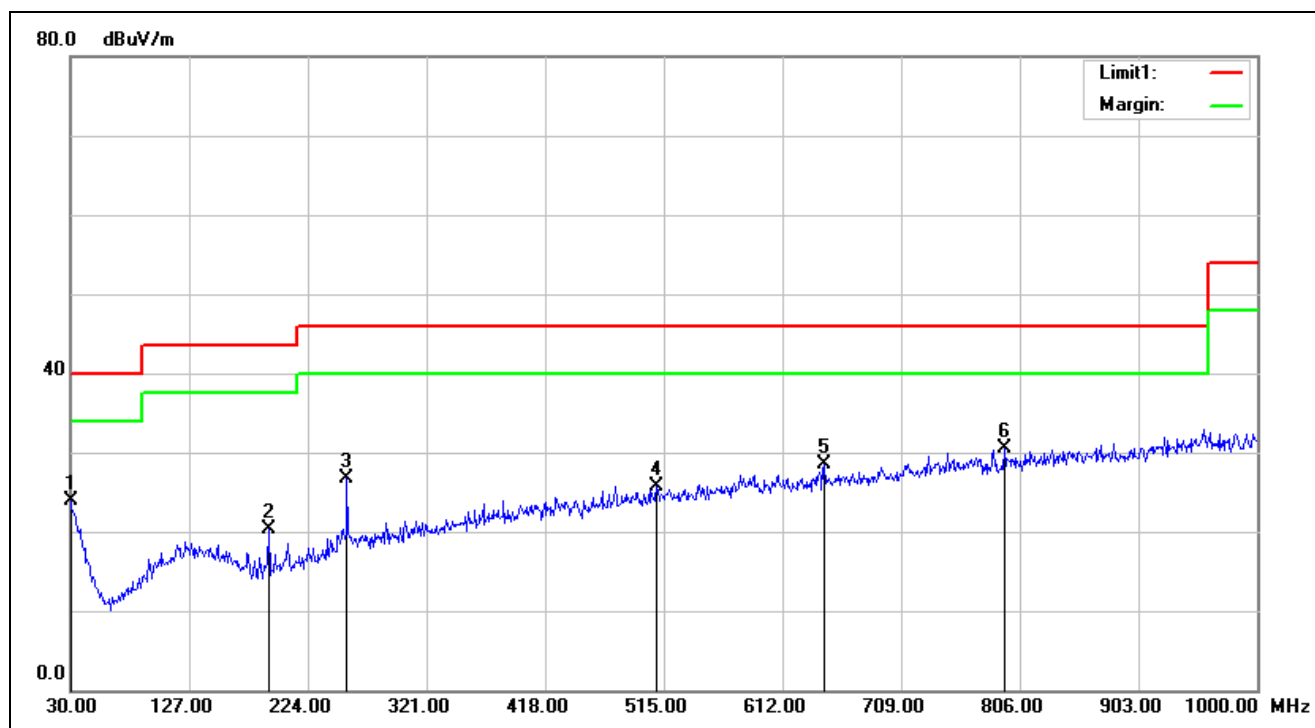
Spurious Emissions, TX Mode, 30M-1G



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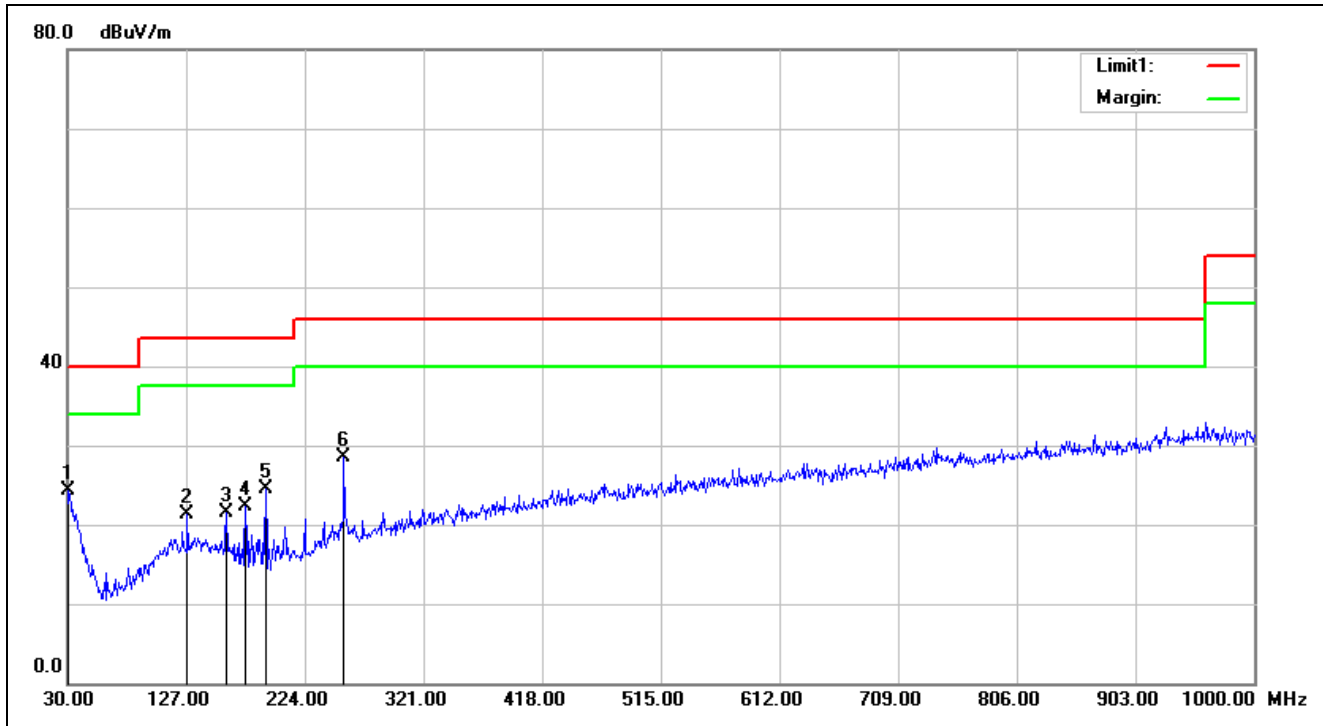
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Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:47:04
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	24.10	23.85	40.00	-16.15	QP	100	321	
2	191.9900	-9.42	29.64	20.22	43.50	-23.28	QP	100	260	
3	256.0100	-5.27	31.98	26.71	46.00	-19.29	QP	100	246	
4	509.1800	-1.05	26.67	25.62	46.00	-20.38	QP	100	153	
5	645.9500	0.49	28.06	28.55	46.00	-17.45	QP	100	222	
6	793.3900	2.71	27.82	30.53	46.00	-15.47	QP	100	153	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 14:48:07
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	24.65	24.40	40.00	-15.60	QP	100	91	
2	127.9700	-7.24	28.61	21.37	43.50	-22.13	QP	100	137	
3	159.9800	-8.07	29.67	21.60	43.50	-21.90	QP	100	0	
4	175.5000	-9.34	31.66	22.32	43.50	-21.18	QP	100	32	
5	191.9900	-9.42	33.84	24.42	43.50	-19.08	QP	100	83	
6	256.0100	-5.27	33.80	28.53	46.00	-17.47	QP	100	343	

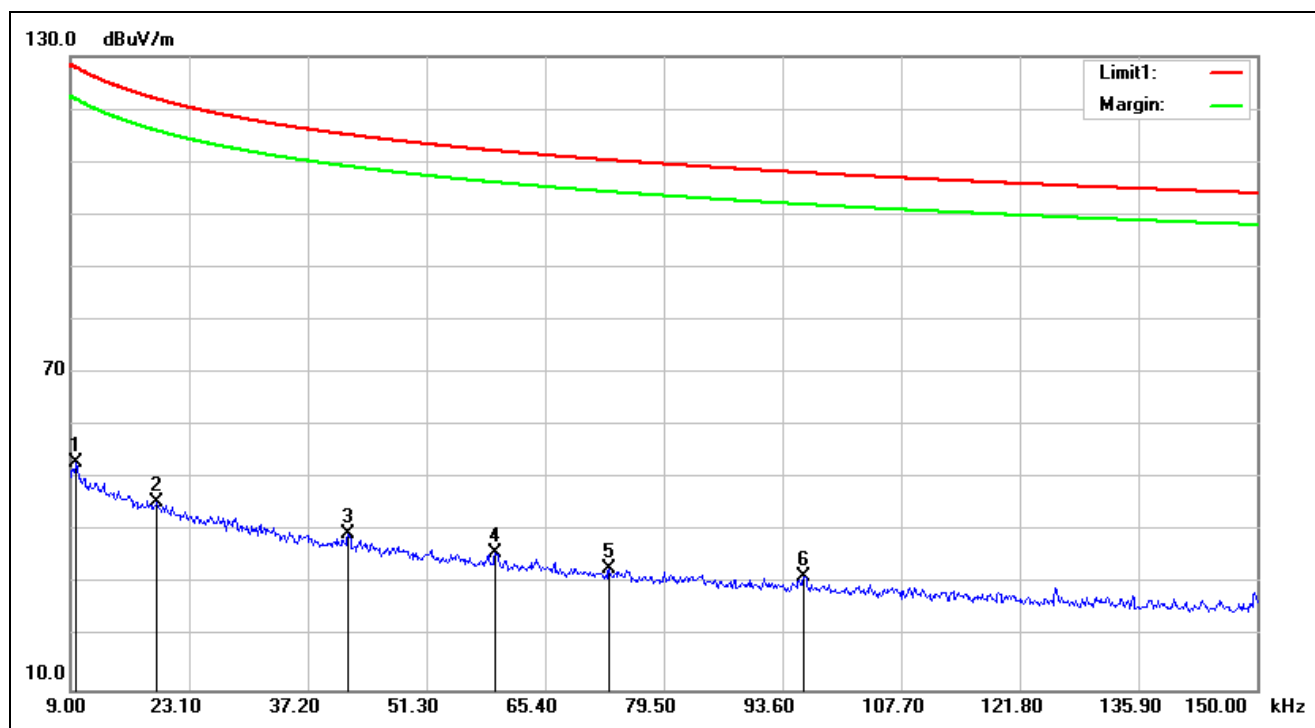
Spurious Emissions, TX Mode, 9k-30M



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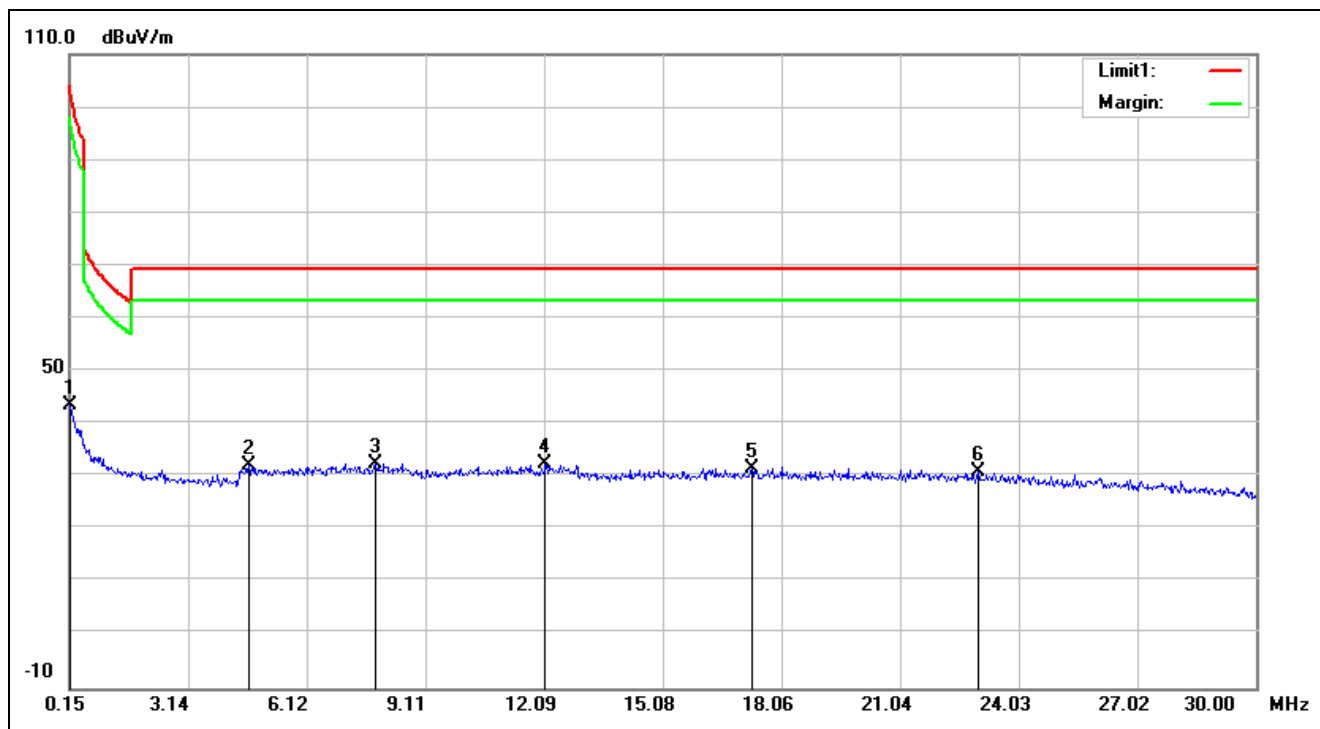
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Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/2/14 15:21:41
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

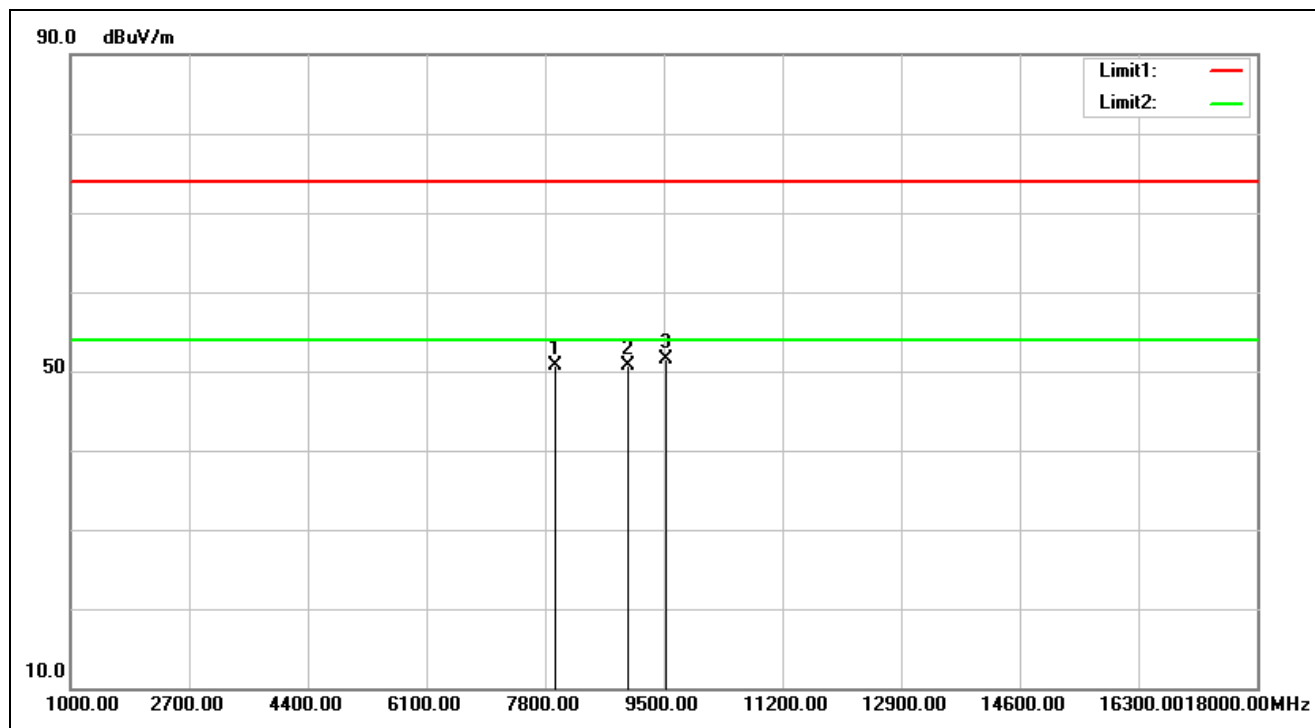
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0097	19.81	33.33	53.14	127.85	-74.71	QP	100	1	
2	0.0192	20.02	25.43	45.45	121.92	-76.47	QP	100	347	
3	0.0419	19.71	19.72	39.43	115.15	-75.72	QP	100	120	
4	0.0594	19.37	16.60	35.97	112.12	-76.15	QP	100	65	
5	0.0730	19.29	13.80	33.09	110.33	-77.24	QP	100	294	
6	0.0961	19.15	12.38	31.53	107.94	-76.41	QP	100	192	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/2/14 15:25:24
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

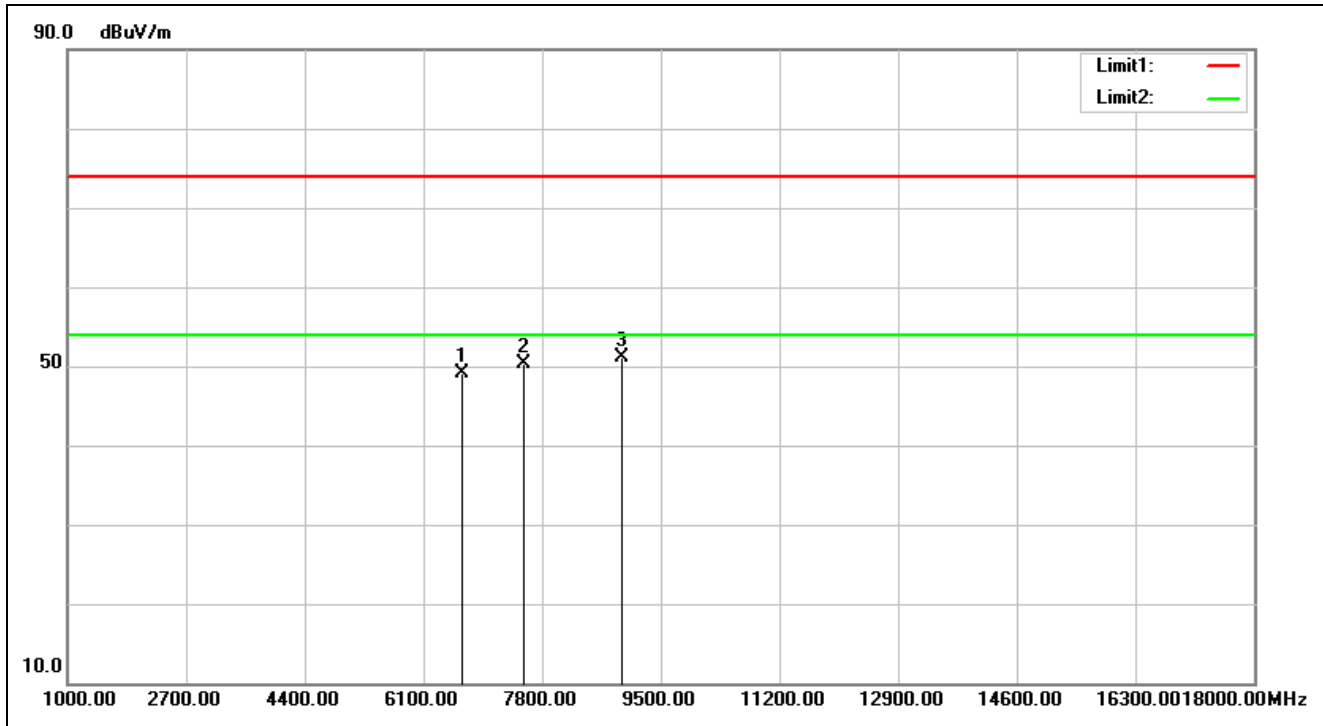
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	24.42	43.50	104.08	-60.58	QP	100	106	
2	4.6573	19.54	12.70	32.24	69.50	-37.26	QP	100	222	
3	7.8513	20.02	12.54	32.56	69.50	-36.94	QP	100	0	
4	12.1198	20.59	11.74	32.33	69.50	-37.17	QP	100	42	
5	17.3137	21.51	10.03	31.54	69.50	-37.96	QP	100	216	
6	23.0151	22.18	8.86	31.04	69.50	-38.46	QP	100	56	

Spurious Emissions, RX Mode, 1-18G



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:26:21
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-RX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	7936.000	4.80	45.98	50.78	74.00	-23.22	peak	100	34	
2	8990.000	5.40	45.27	50.67	74.00	-23.33	peak	100	195	
3	9534.000	5.46	45.98	51.44	74.00	-22.56	peak	100	292	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 14:27:24
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-RX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6644.000	4.15	44.95	49.10	74.00	-24.90	peak	100	116	
2	7528.000	4.94	45.29	50.23	74.00	-23.77	peak	100	127	
3	8939.000	5.39	45.78	51.17	74.00	-22.83	peak	100	271	

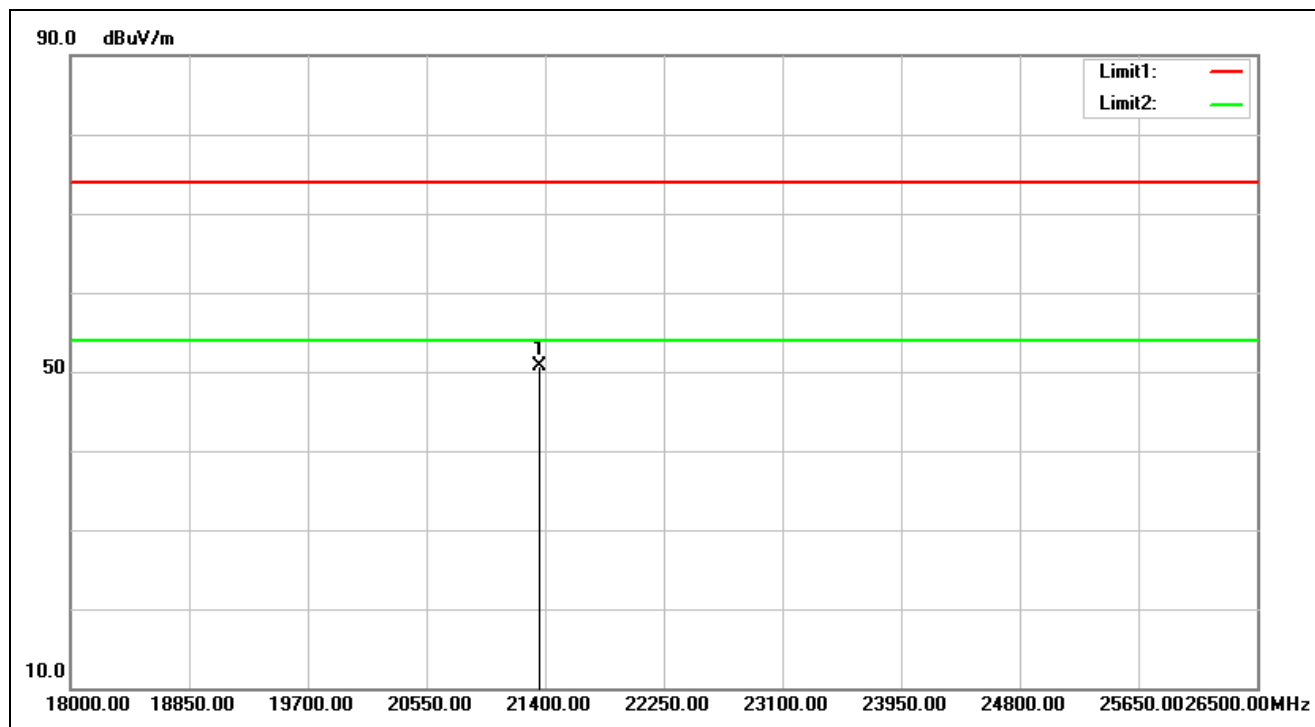
Spurious Emissions, RX Mode, 18-26G



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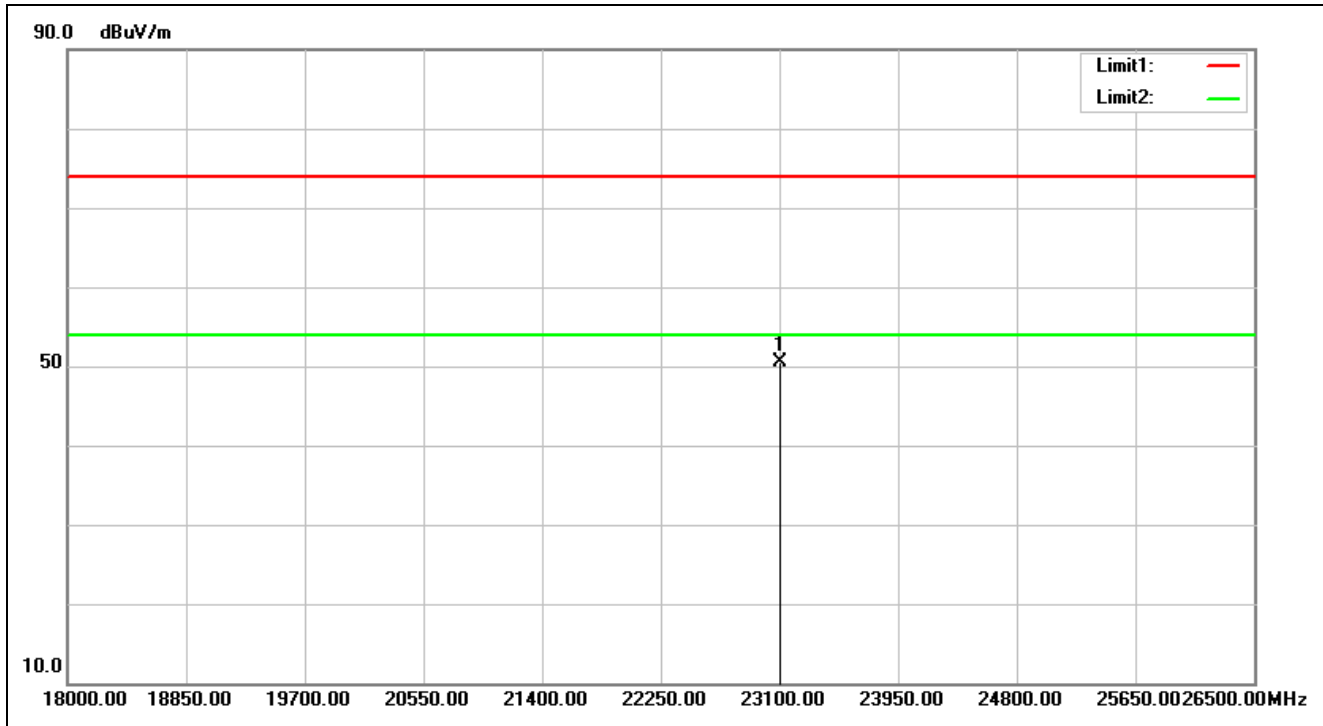
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:36:01
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-RX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21357.500	32.76	17.93	50.69	74.00	-23.31	peak			



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 14:36:07
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-RX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23100.000	32.89	17.68	50.57	74.00	-23.43	peak			

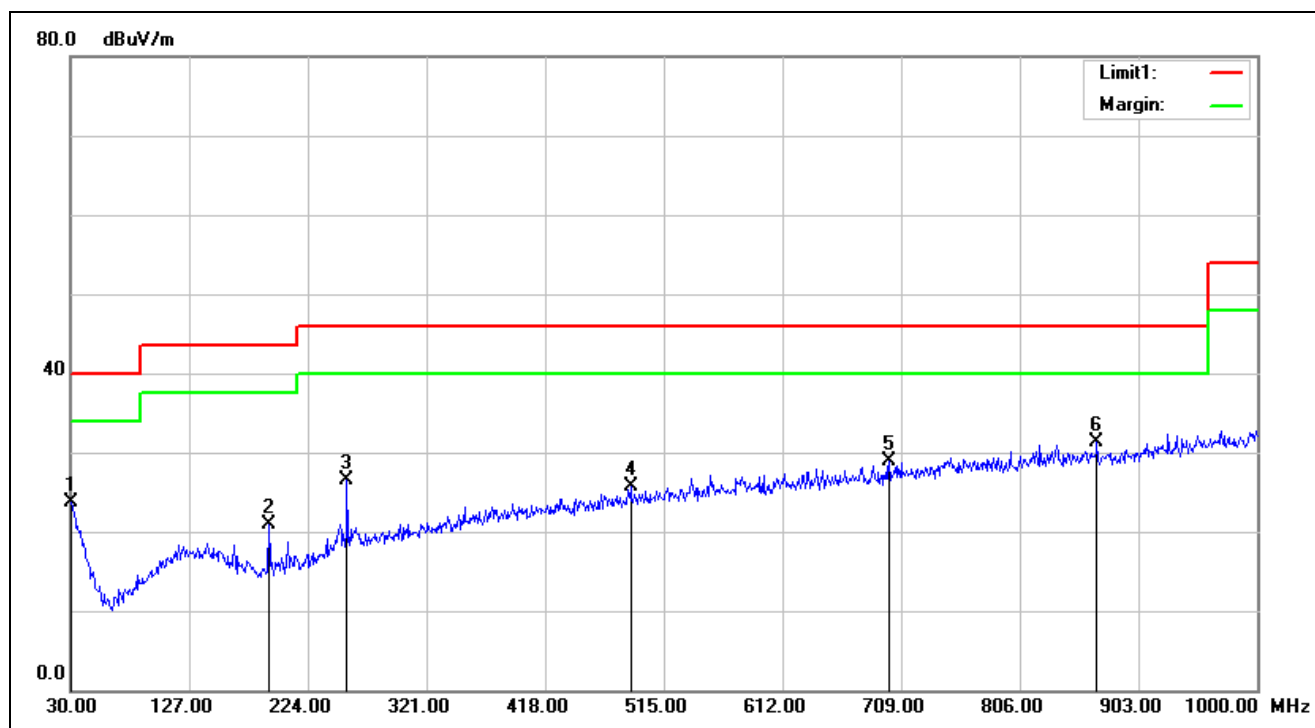
Spurious Emissions, RX Mode, 30M-1G



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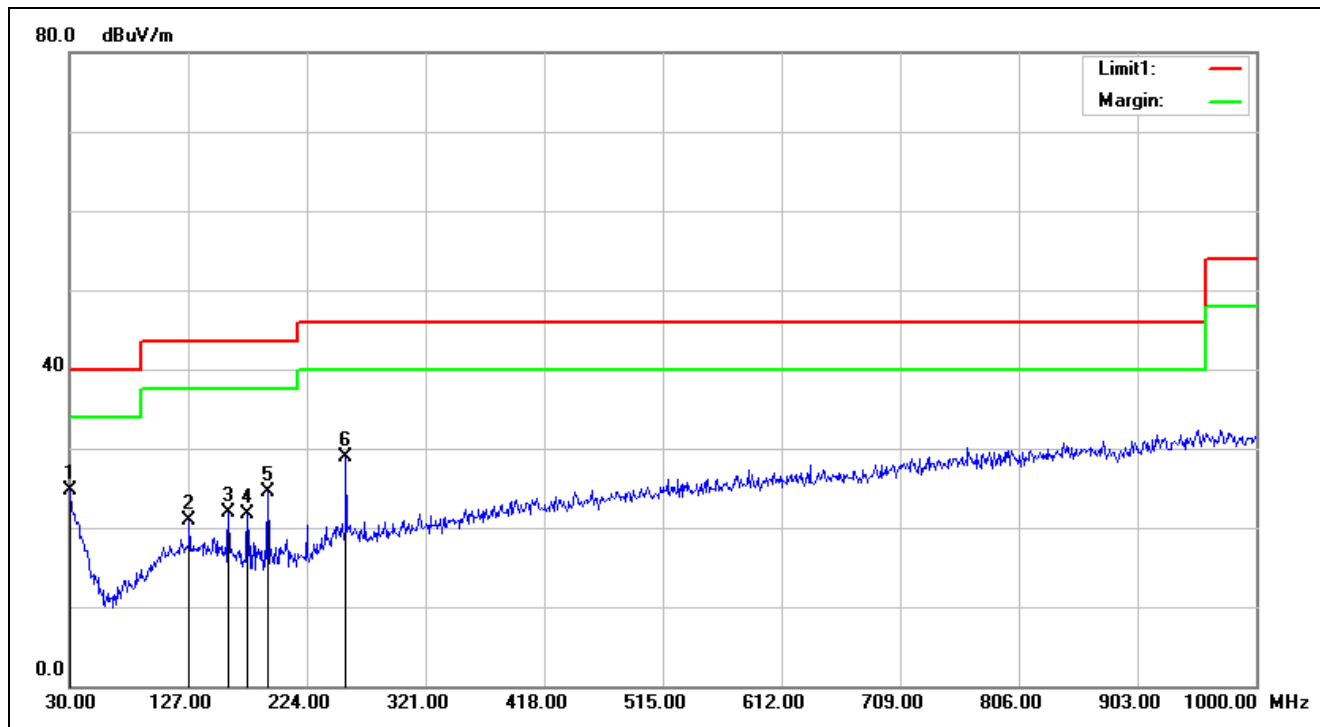
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Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:50:09
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-RX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-0.79	24.59	23.80	40.00	-16.20	QP	100	49	
2	191.9900	-9.42	30.36	20.94	43.50	-22.56	QP	100	287	
3	256.0100	-5.27	31.72	26.45	46.00	-19.55	QP	100	70	
4	487.8400	-1.35	26.97	25.62	46.00	-20.38	QP	100	86	
5	699.3000	1.26	27.57	28.83	46.00	-17.17	QP	100	201	
6	869.0500	3.85	27.44	31.29	46.00	-14.71	QP	100	108	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 14:51:12
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-RX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-0.79	25.45	24.66	40.00	-15.34	QP	100	80	
2	127.9700	-7.24	28.14	20.90	43.50	-22.60	QP	100	102	
3	159.9800	-8.07	29.90	21.83	43.50	-21.67	QP	100	300	
4	175.5000	-9.34	30.99	21.65	43.50	-21.85	QP	100	139	
5	191.9900	-9.42	33.85	24.43	43.50	-19.07	QP	100	123	
6	256.0100	-5.27	34.10	28.83	46.00	-17.17	QP	100	356	

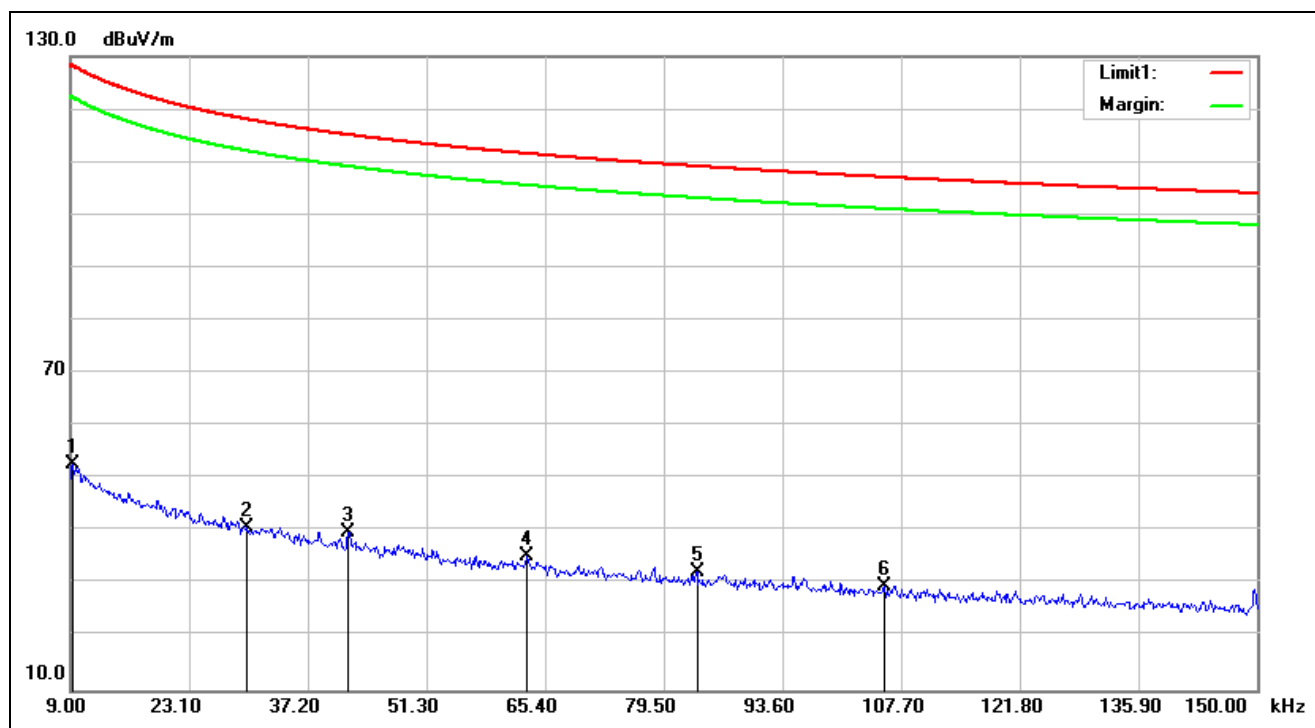
Spurious Emissions, RX Mode, 9k-30M



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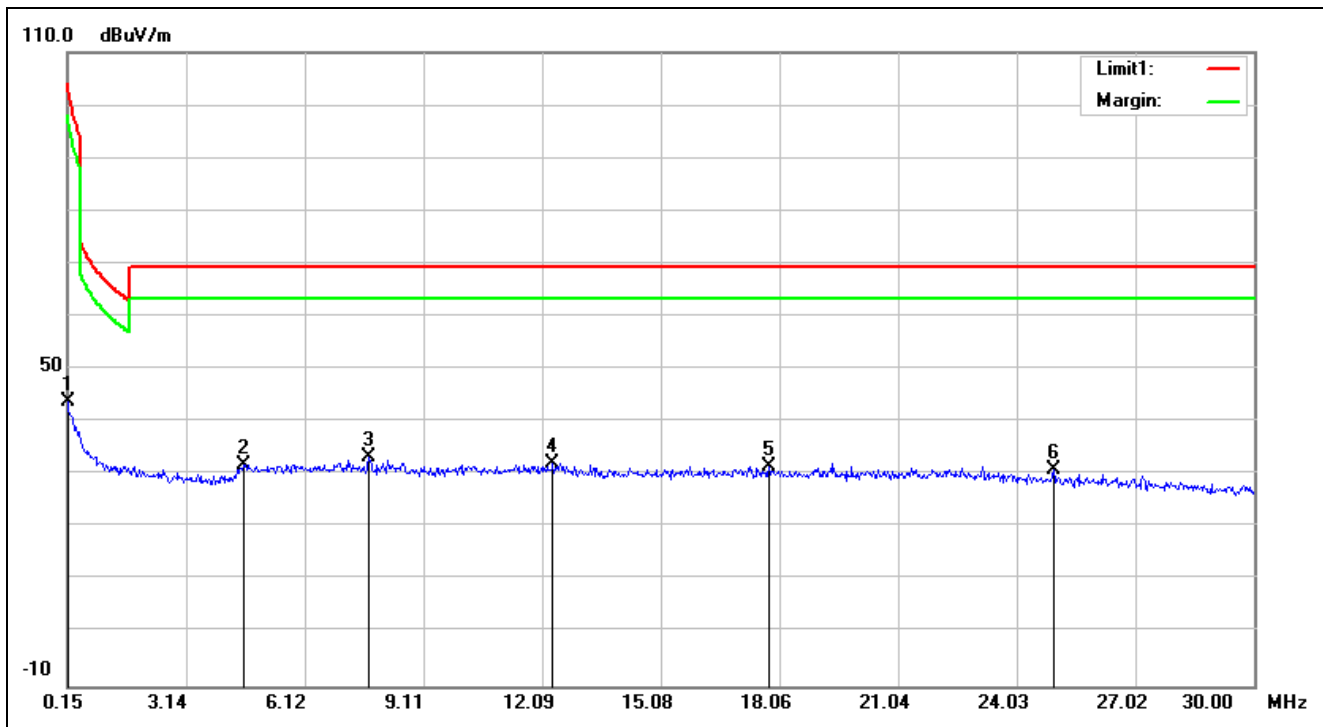
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Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/2/14 15:22:45
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-RX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0093	19.65	32.97	52.62	128.22	-75.60	QP	100	155	
2	0.0300	20.13	20.60	40.73	118.05	-77.32	QP	100	77	
3	0.0420	19.71	20.28	39.99	115.13	-75.14	QP	100	3	
4	0.0633	19.35	16.04	35.39	111.57	-76.18	QP	100	349	
5	0.0834	19.23	13.06	32.29	109.17	-76.88	QP	100	224	
6	0.1057	19.12	10.58	29.70	107.12	-77.42	QP	100	288	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/2/14 15:26:28
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-RX		
Remark:	Model B Power -8 dBm		

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	24.81	43.89	104.08	-60.19	QP	100	103	
2	4.5976	19.51	12.25	31.76	69.50	-37.74	QP	100	122	
3	7.7319	20.01	13.45	33.46	69.50	-36.04	QP	100	10	
4	12.3586	20.64	11.52	32.16	69.50	-37.34	QP	100	310	
5	17.7913	21.59	9.94	31.53	69.50	-37.97	QP	100	79	
6	24.9553	22.32	8.68	31.00	69.50	-38.50	QP	100	354	

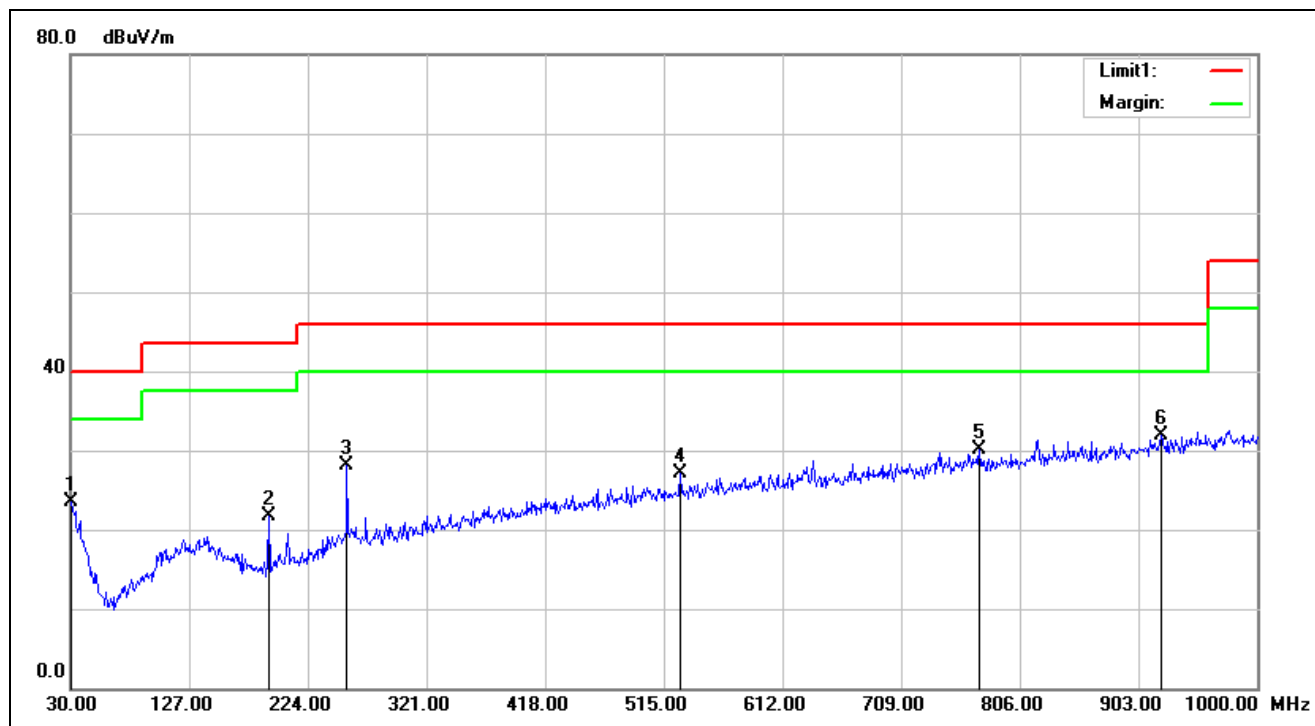
Spurious Emissions, Tx Mode_Pre-Test, 30MHz-1GHz_PL1R



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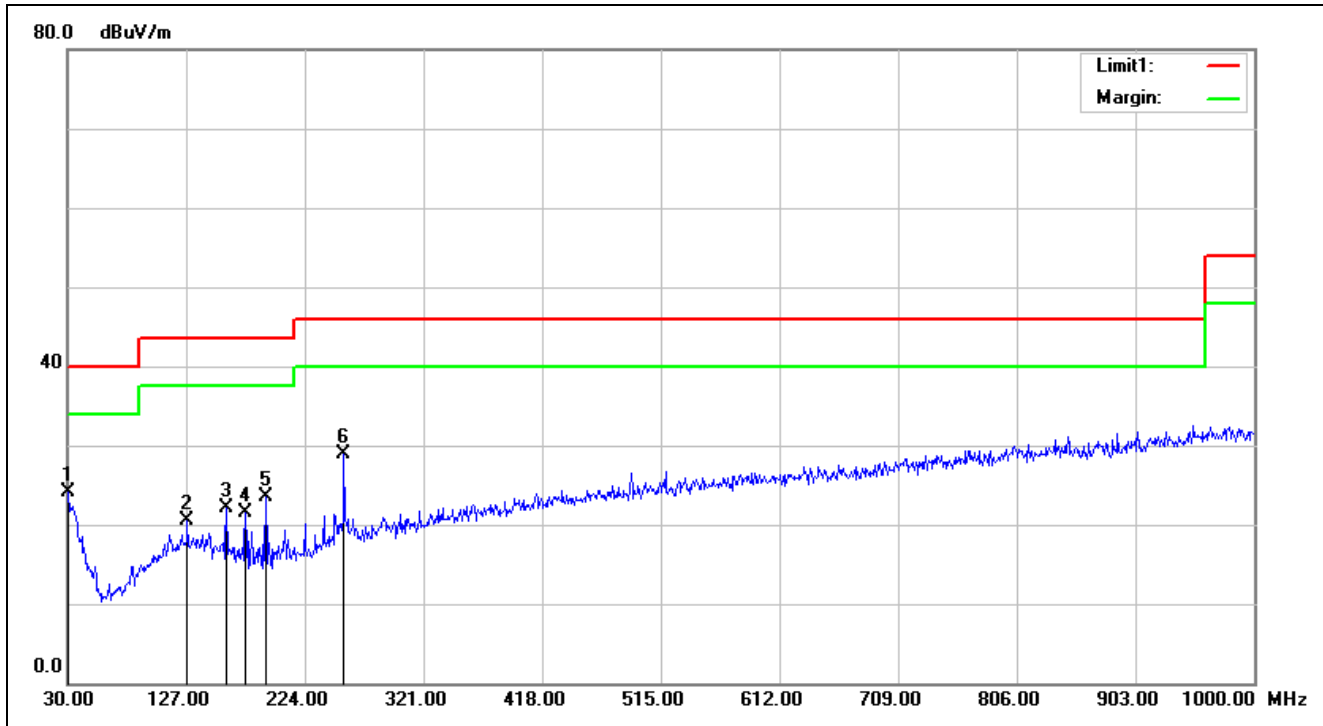
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Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:59:52
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model A Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	23.73	23.48	40.00	-16.52	QP	100	193	
2	191.9900	-9.42	31.11	21.69	43.50	-21.81	QP	100	242	
3	256.0100	-5.27	33.42	28.15	46.00	-17.85	QP	100	81	
4	528.5800	-0.76	27.90	27.14	46.00	-18.86	QP	100	282	
5	773.0200	2.56	27.56	30.12	46.00	-15.88	QP	100	67	
6	921.4300	4.68	27.23	31.91	46.00	-14.09	QP	100	186	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 15:00:55
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model A Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	24.35	24.10	40.00	-15.90	QP	100	271	
2	127.9700	-7.24	27.73	20.49	43.50	-23.01	QP	100	194	
3	159.9800	-8.07	30.23	22.16	43.50	-21.34	QP	100	271	
4	175.5000	-9.34	30.78	21.44	43.50	-22.06	QP	100	2	
5	191.9900	-9.42	32.94	23.52	43.50	-19.98	QP	100	87	
6	256.0100	-5.27	34.23	28.96	46.00	-17.04	QP	100	1	

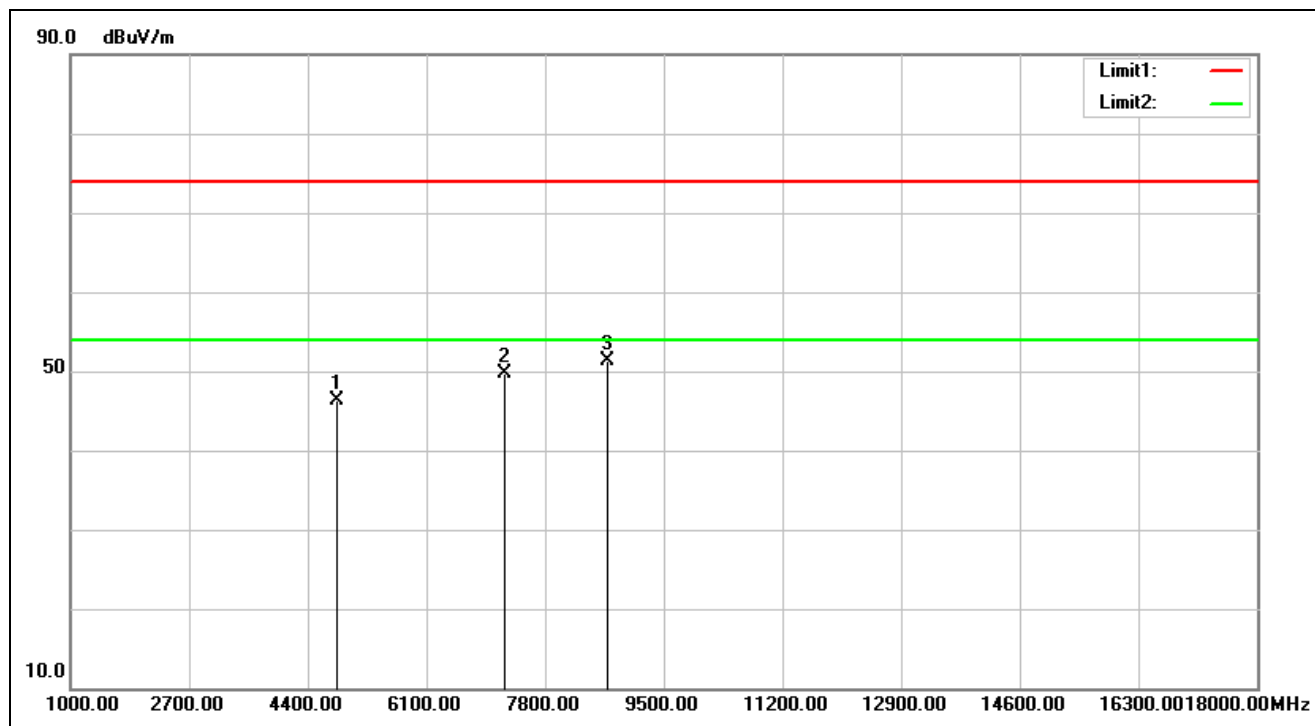
Spurious Emissions, Tx Mode_Pre-Test, 1GHz-18GHz_PL1R



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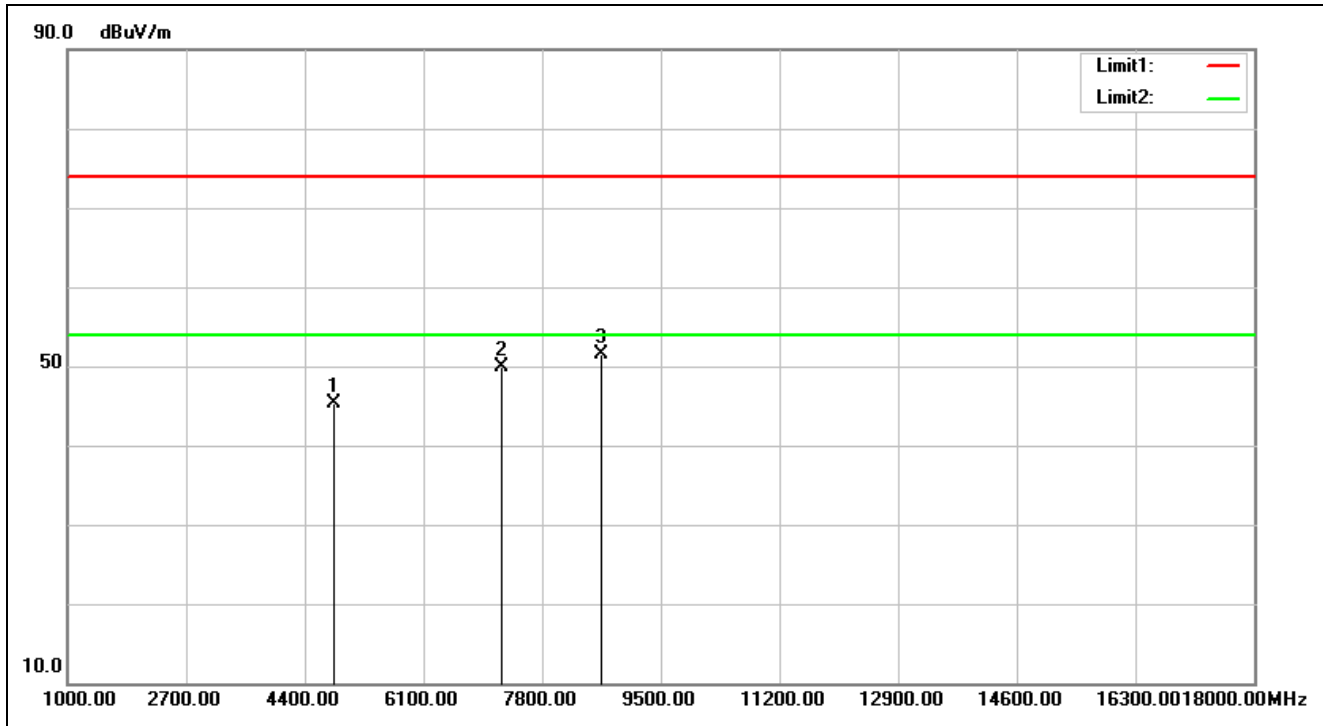
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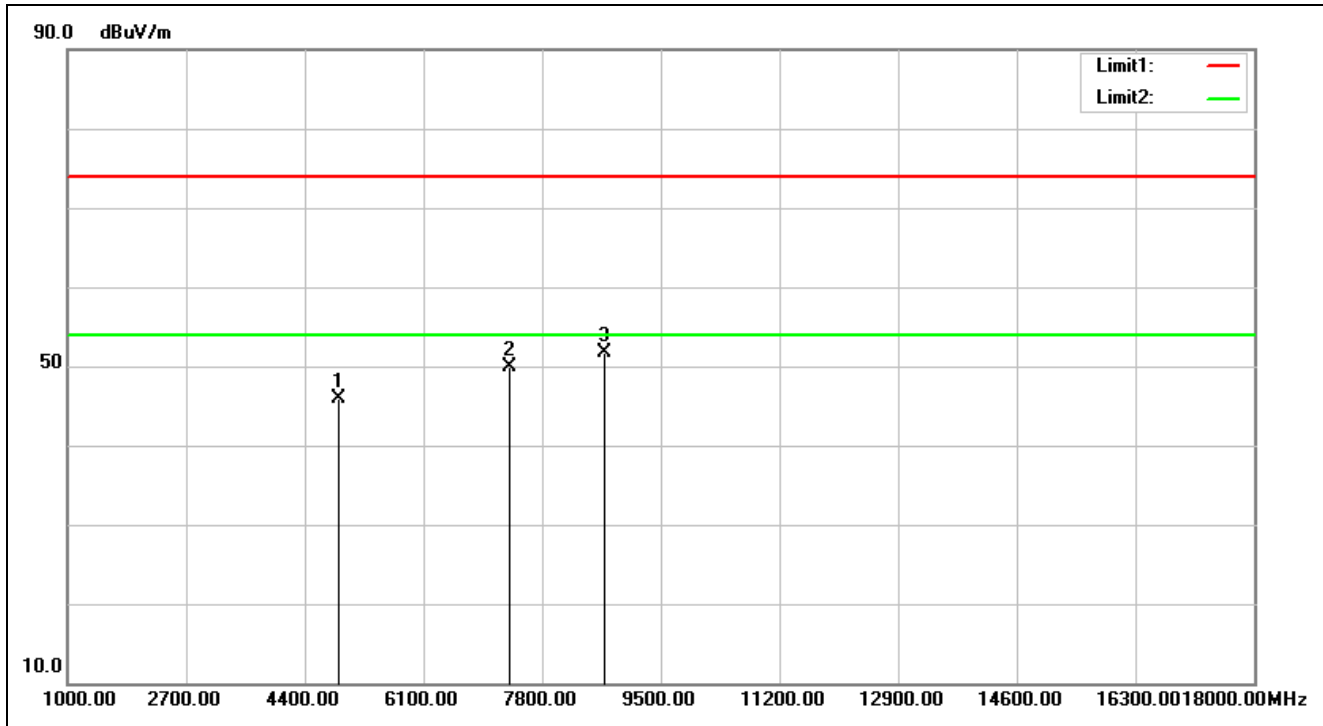
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 10:59:01
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model A Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	49.07	46.35	74.00	-27.65	peak		0	
2	7206.000	5.25	44.38	49.63	74.00	-24.37	peak		0	
3	8684.000	6.40	44.85	51.25	74.00	-22.75	peak	100	159	



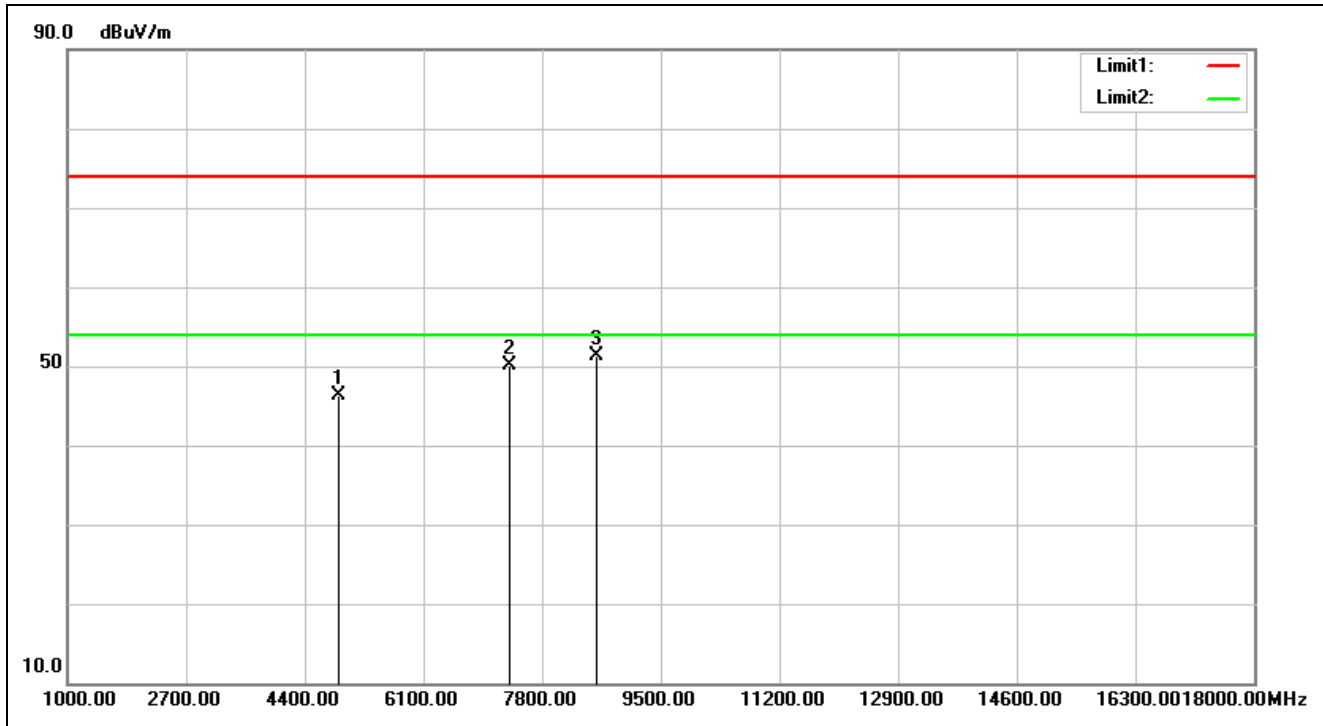
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 11:00:04
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model A Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	48.06	45.34	74.00	-28.66	peak			
2	7206.000	5.25	44.71	49.96	74.00	-24.04	peak			
3	8650.000	6.40	45.18	51.58	74.00	-22.42	peak	100	351	



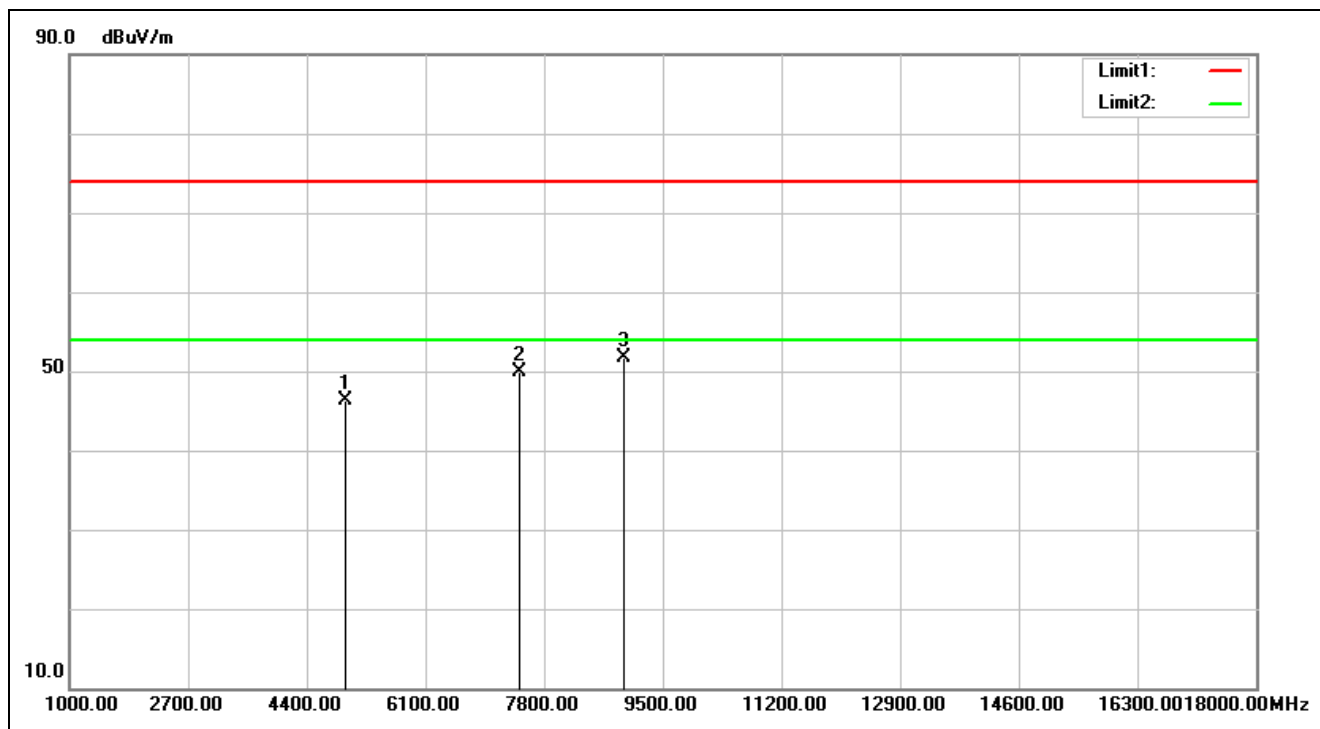
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 11:02:42
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model A Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.50	48.40	45.90	74.00	-28.10	peak			
2	7320.000	5.54	44.36	49.90	74.00	-24.10	peak			
3	8701.000	6.41	45.24	51.65	74.00	-22.35	peak	100	278	



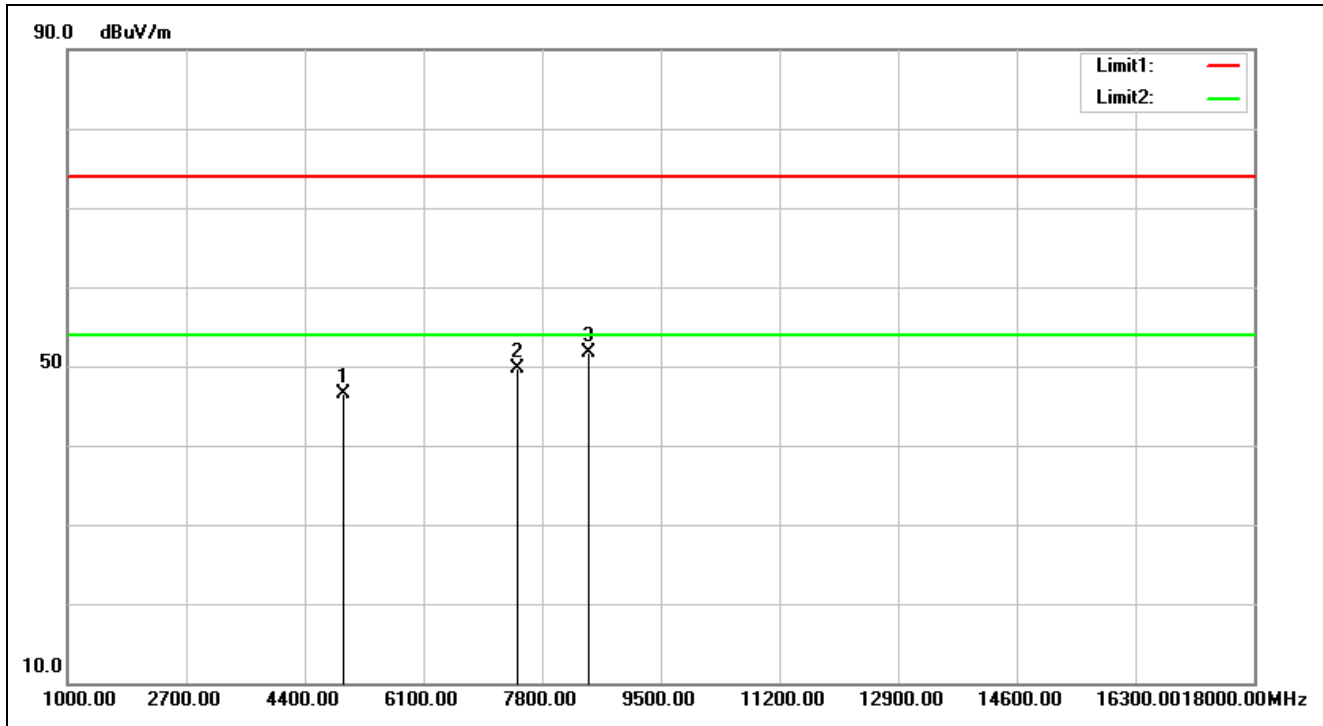
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 11:03:45
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model A Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.50	48.71	46.21	74.00	-27.79	peak			
2	7320.000	5.54	44.51	50.05	74.00	-23.95	peak			
3	8582.000	6.39	45.01	51.40	74.00	-22.60	peak	100	196	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 11:05:58
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model A Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	48.59	46.31	74.00	-27.69	peak			
2	7440.000	5.84	44.06	49.90	74.00	-24.10	peak			
3	8939.000	6.43	45.26	51.69	74.00	-22.31	peak	100	242	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 11:07:01
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model A Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	48.75	46.47	74.00	-27.53	peak			
2	7440.000	5.84	43.89	49.73	74.00	-24.27	peak			
3	8463.000	6.34	45.34	51.68	74.00	-22.32	peak	100	74	

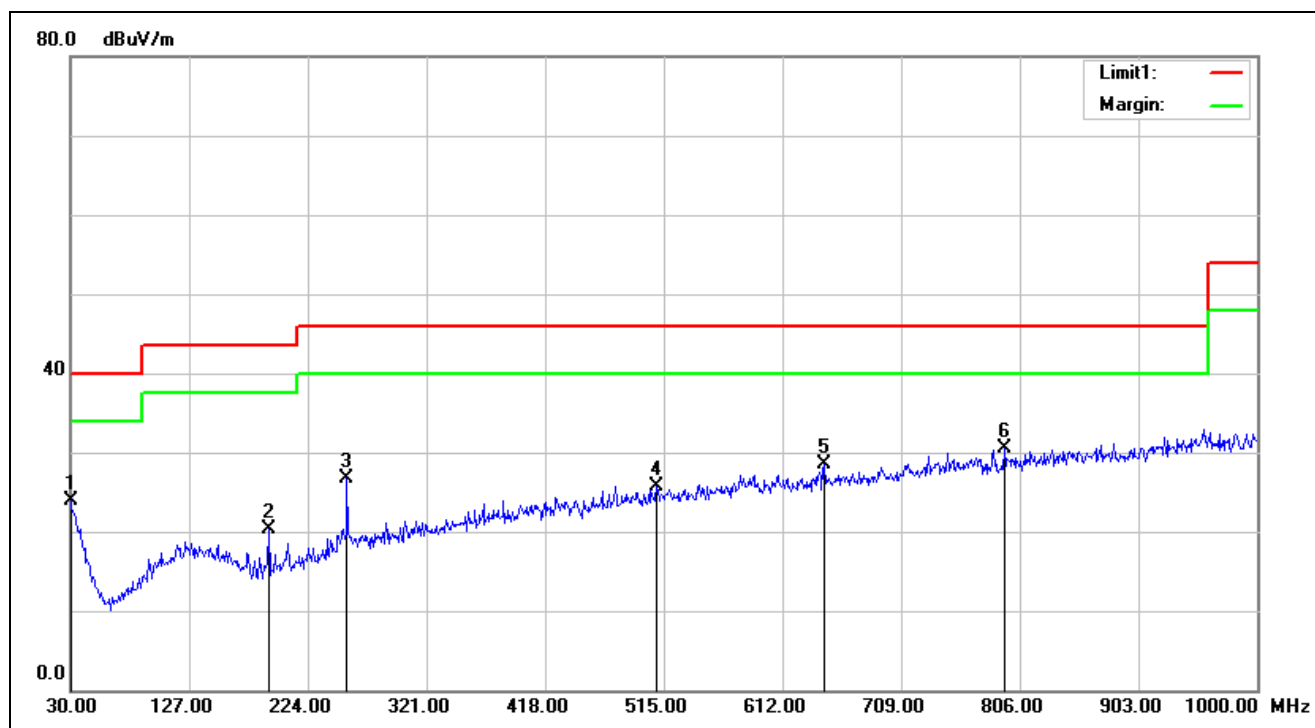
Spurious Emissions, Tx Mode_Pre-Test, 30MHz-1GHz_PL1



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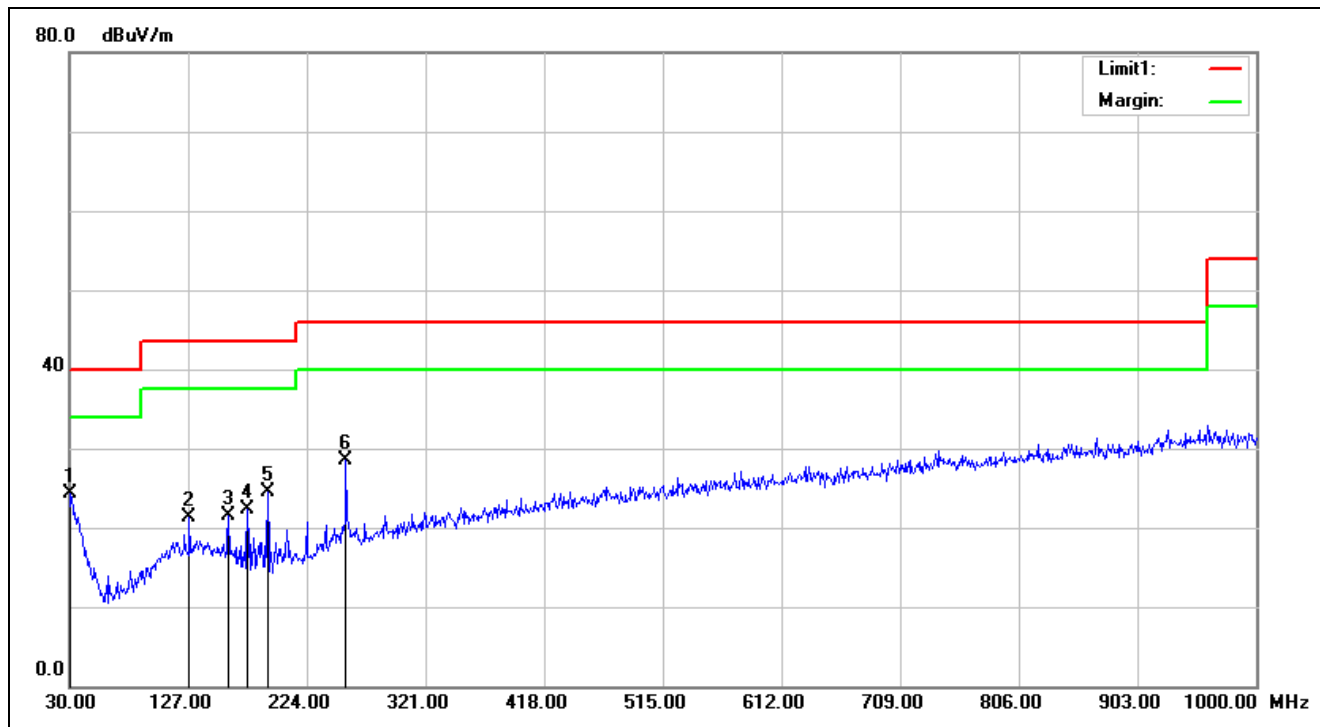
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Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 14:47:04
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	24.10	23.85	40.00	-16.15	QP	100	321	
2	191.9900	-9.42	29.64	20.22	43.50	-23.28	QP	100	260	
3	256.0100	-5.27	31.98	26.71	46.00	-19.29	QP	100	246	
4	509.1800	-1.05	26.67	25.62	46.00	-20.38	QP	100	153	
5	645.9500	0.49	28.06	28.55	46.00	-17.45	QP	100	222	
6	793.3900	2.71	27.82	30.53	46.00	-15.47	QP	100	153	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 14:48:07
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	24.65	24.40	40.00	-15.60	QP	100	91	
2	127.9700	-7.24	28.61	21.37	43.50	-22.13	QP	100	137	
3	159.9800	-8.07	29.67	21.60	43.50	-21.90	QP	100	0	
4	175.5000	-9.34	31.66	22.32	43.50	-21.18	QP	100	32	
5	191.9900	-9.42	33.84	24.42	43.50	-19.08	QP	100	83	
6	256.0100	-5.27	33.80	28.53	46.00	-17.47	QP	100	343	

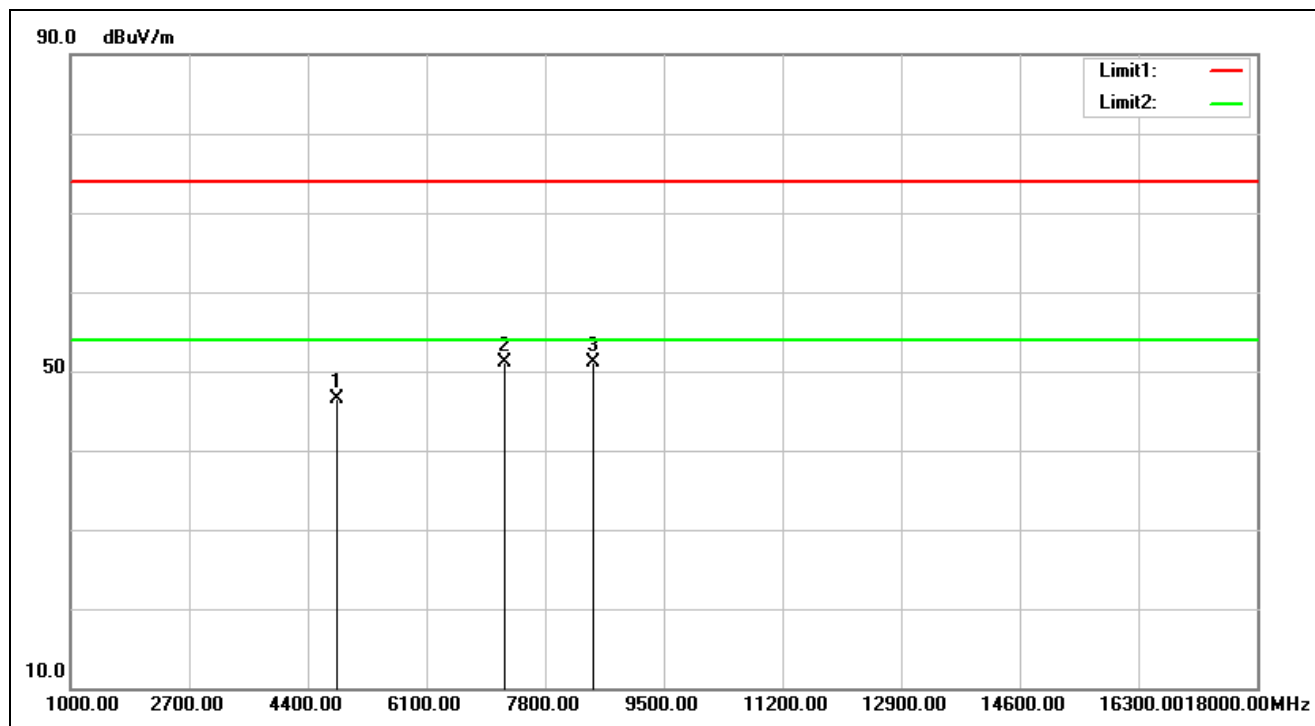
Spurious Emissions, Tx Mode_Pre-Test, 1GHz-18GHz_PL1



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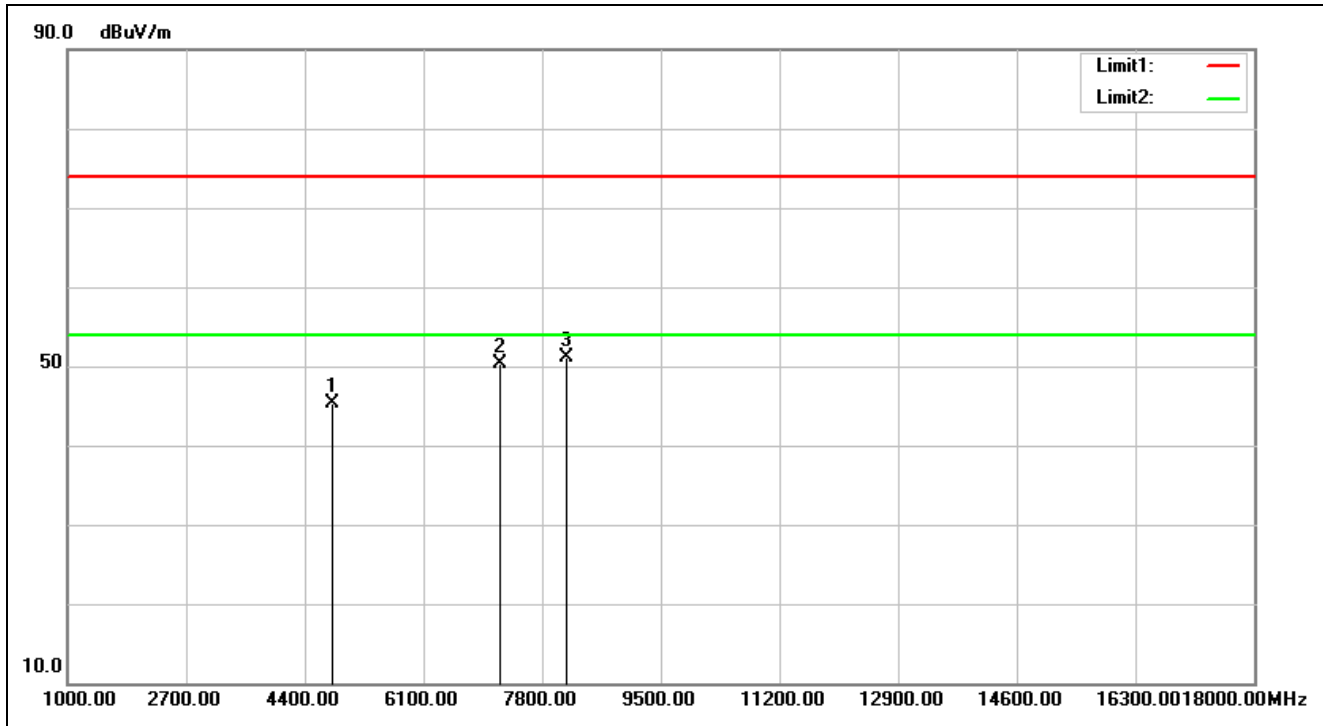
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



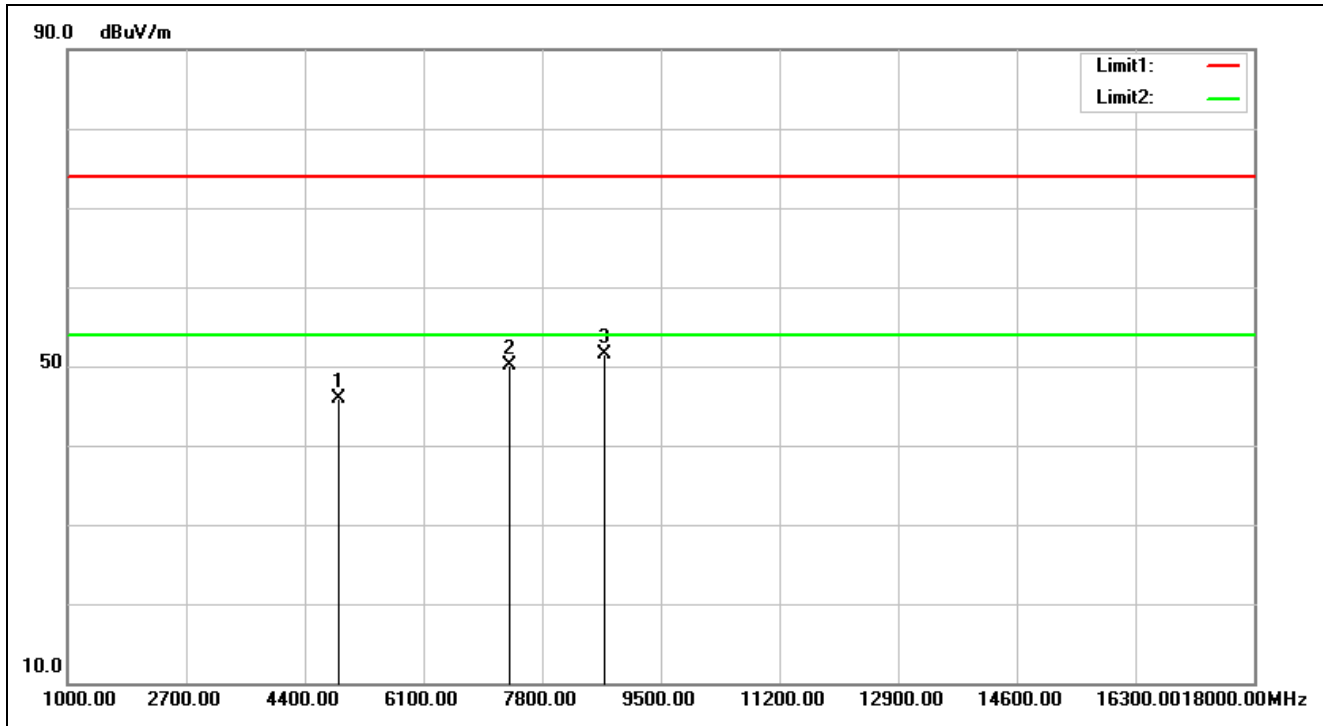
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 09:42:50
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	49.22	46.50	74.00	-27.50	peak			
2	7206.000	5.25	45.94	51.19	74.00	-22.81	peak			
3	8497.000	6.38	44.73	51.11	74.00	-22.89	peak	100	84	



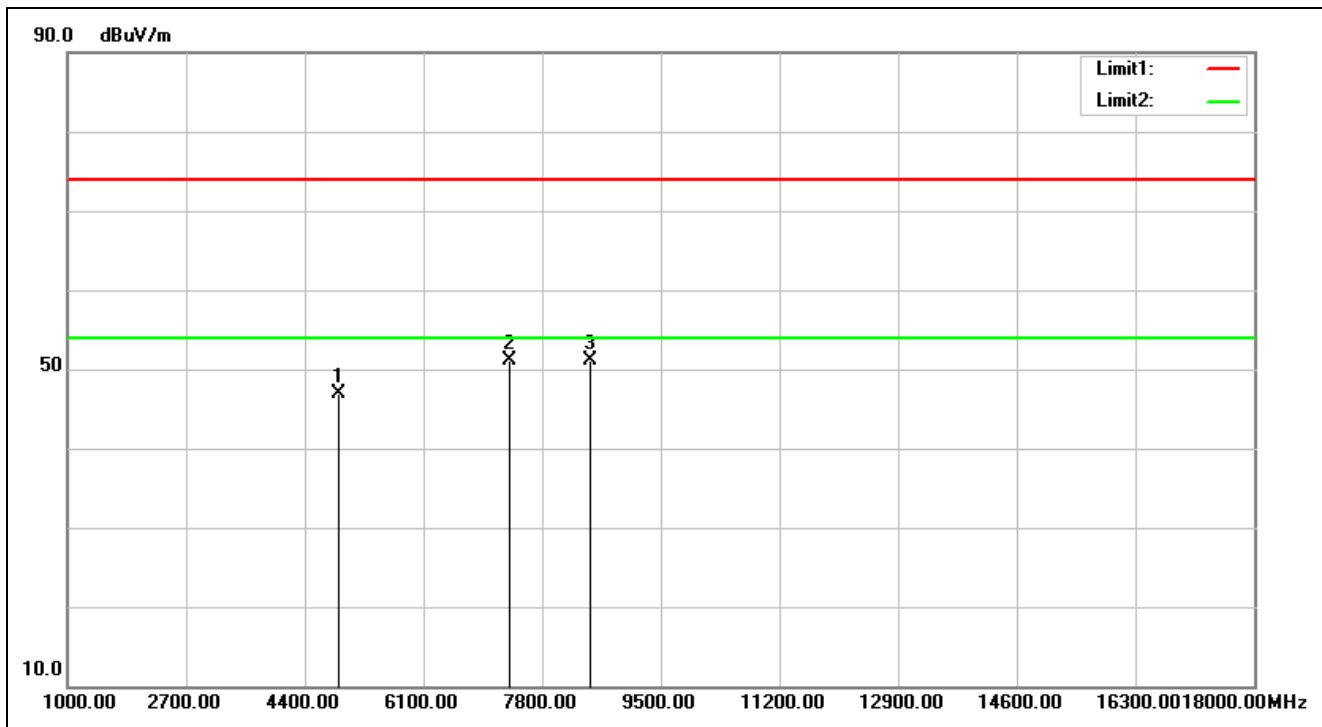
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 09:43:53
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	48.02	45.30	74.00	-28.70	peak			
2	7206.000	5.25	45.14	50.39	74.00	-23.61	peak			
3	8140.000	5.98	45.18	51.16	74.00	-22.84	peak	100	7	



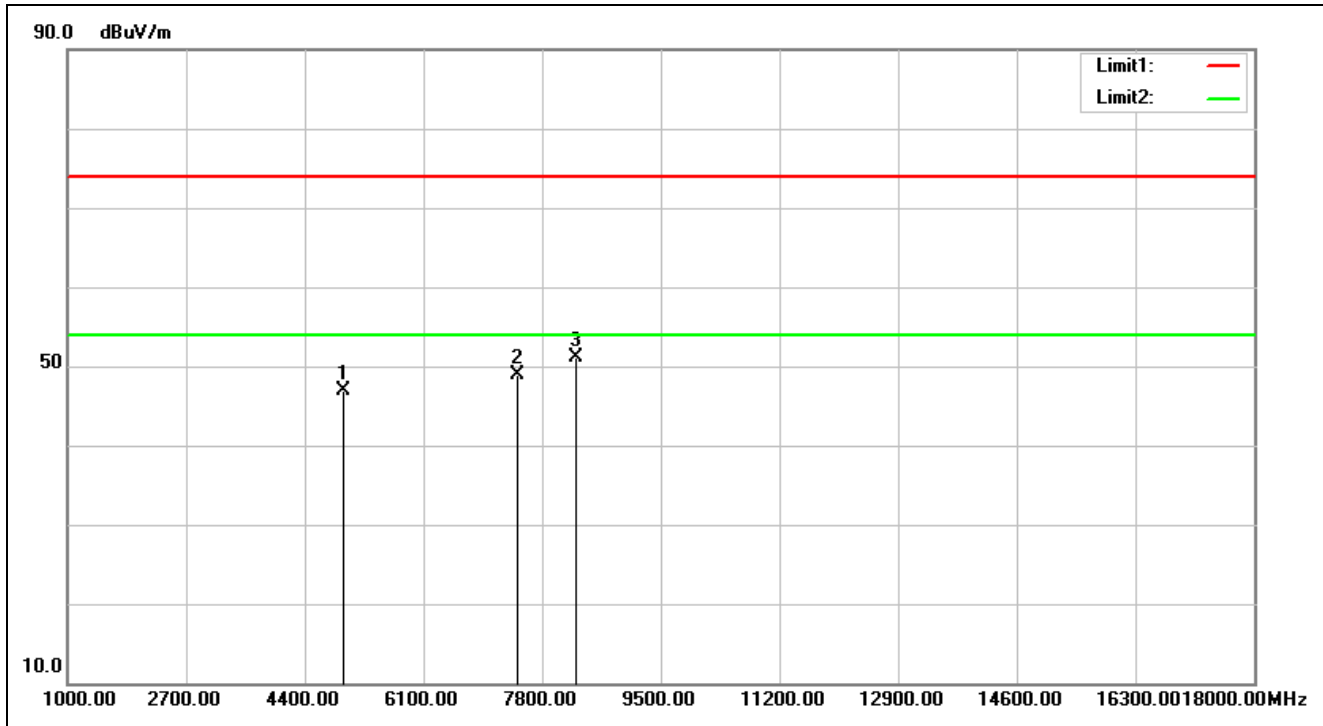
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 09:47:29
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.50	48.46	45.96	74.00	-28.04	peak			
2	7320.000	5.54	44.62	50.16	74.00	-23.84	peak			
3	8701.000	6.41	45.04	51.45	74.00	-22.55	peak	100	31	



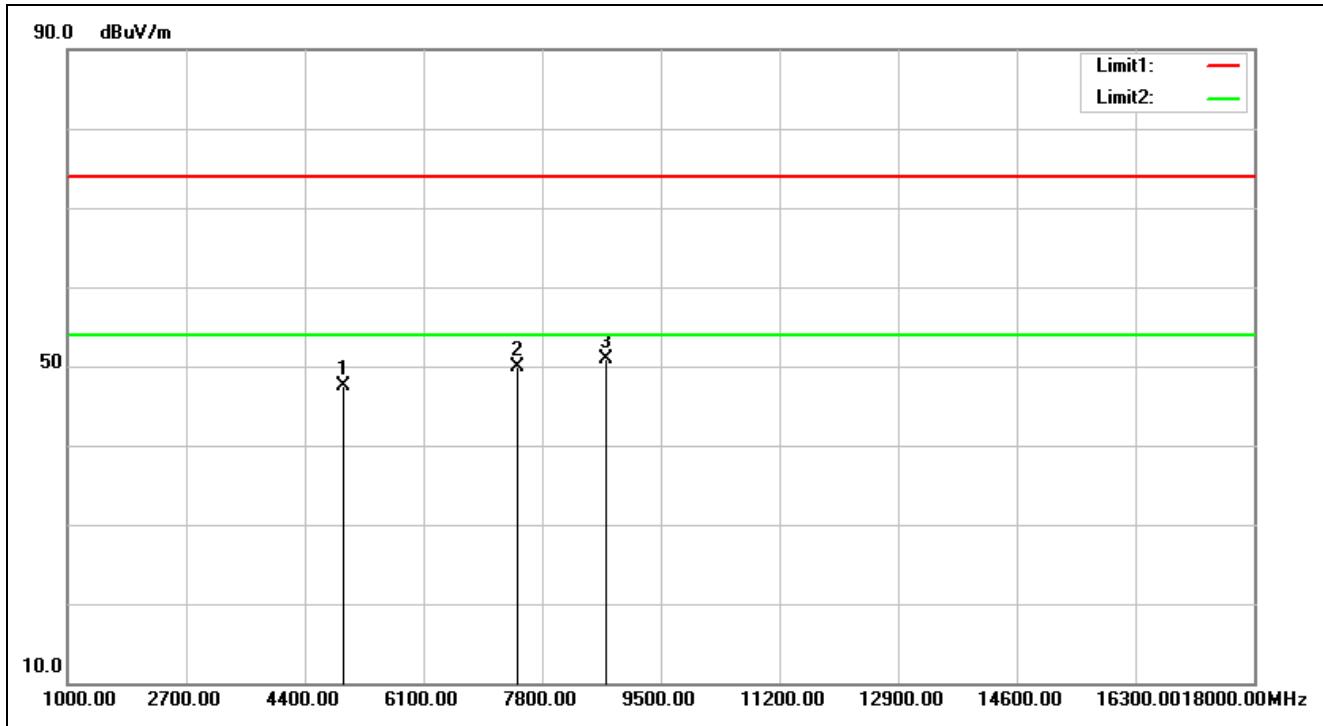
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 09:48:32
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.50	49.36	46.86	74.00	-27.14	peak			
2	7320.000	5.54	45.61	51.15	74.00	-22.85	peak			
3	8480.000	6.35	44.75	51.10	74.00	-22.90	peak	100	229	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 09:37:21
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	49.25	46.97	74.00	-27.03	peak		0	
2	7440.000	5.84	43.14	48.98	74.00	-25.02	peak		0	
3	8276.000	6.12	44.90	51.02	74.00	-22.98	peak	100	145	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 09:38:24
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model B Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	49.69	47.41	74.00	-26.59	peak			
2	7440.000	5.84	44.15	49.99	74.00	-24.01	peak			
3	8718.000	6.40	44.55	50.95	74.00	-23.05	peak	100	46	

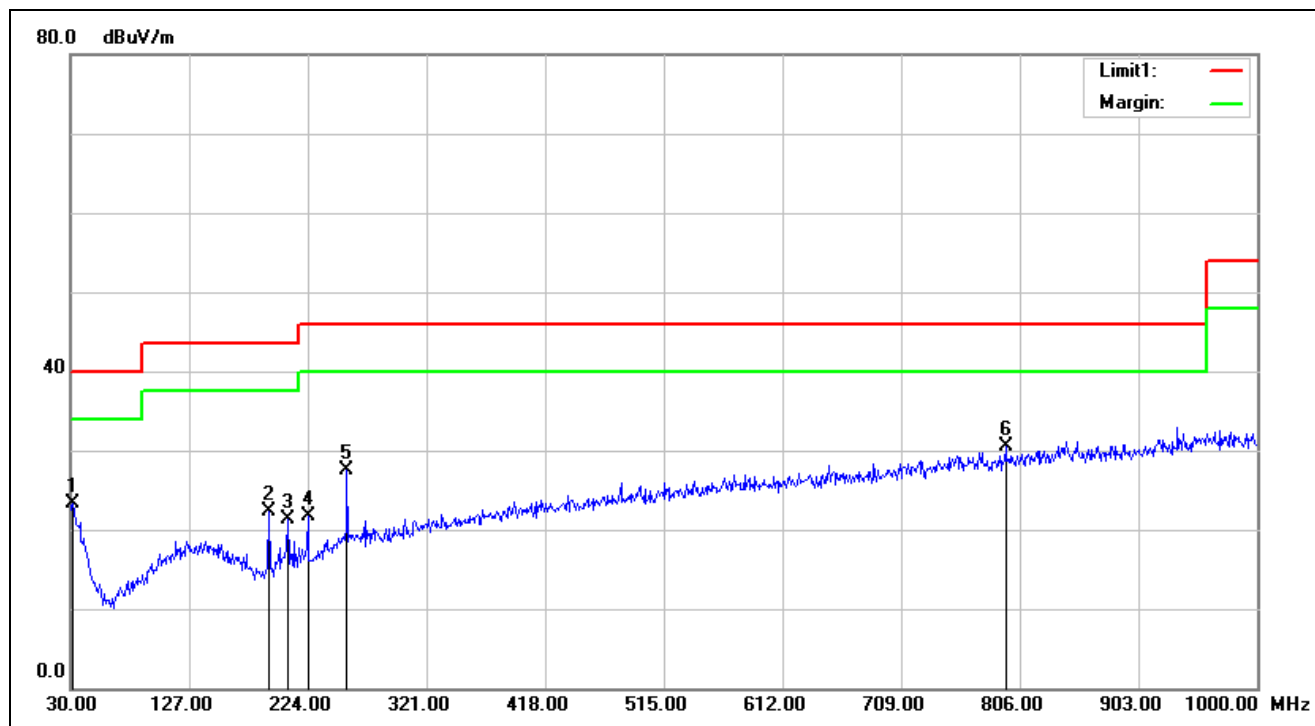
Spurious Emissions, Tx Mode_Pre-Test, 30MHz-1GHz_PL1S



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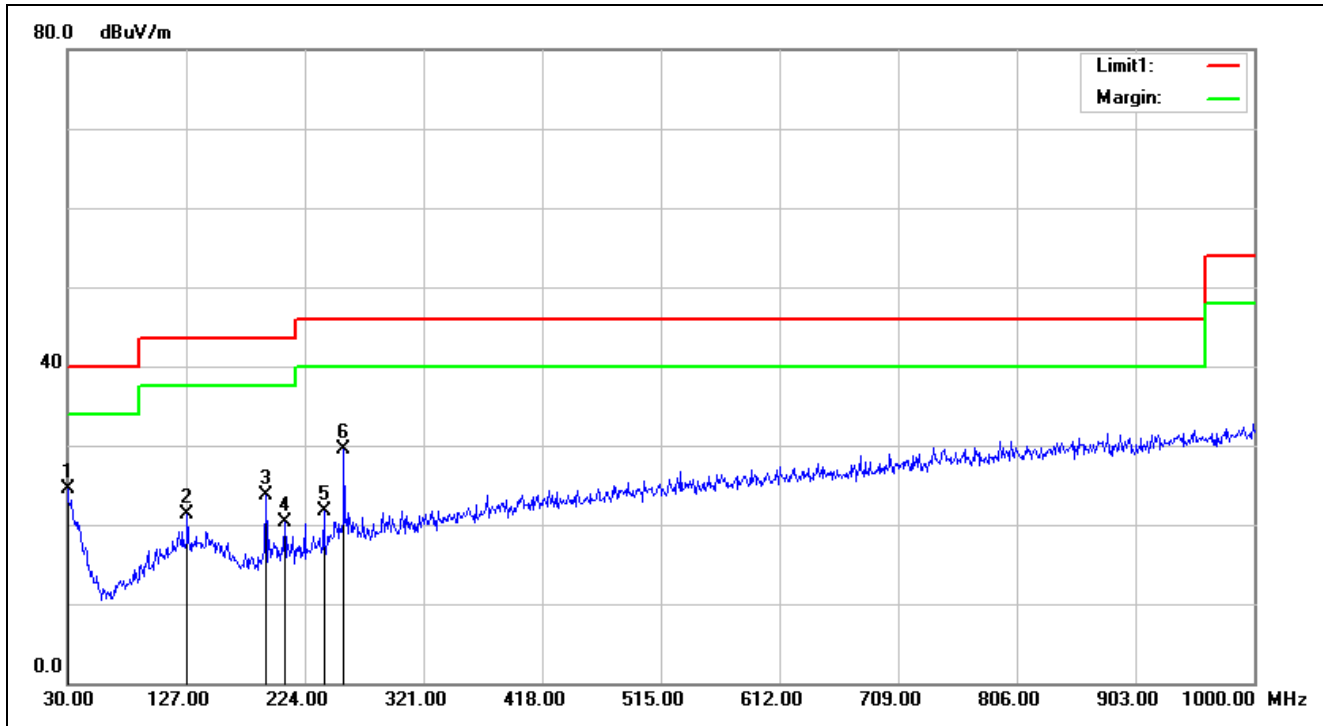
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Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 15:08:25
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model C Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	31.9400	-1.36	24.61	23.25	40.00	-16.75	QP	100	263	
2	191.9900	-9.42	31.79	22.37	43.50	-21.13	QP	100	255	
3	207.5100	-8.62	29.99	21.37	43.50	-22.13	QP	100	250	
4	224.0000	-8.01	29.62	21.61	46.00	-24.39	QP	100	250	
5	256.0100	-5.27	32.78	27.51	46.00	-18.49	QP	100	281	
6	794.3600	2.72	27.79	30.51	46.00	-15.49	QP	100	121	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 15:09:29
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model C Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	24.83	24.58	40.00	-15.42	QP	100	242	
2	127.9700	-7.24	28.55	21.31	43.50	-22.19	QP	100	220	
3	191.9900	-9.42	33.10	23.68	43.50	-19.82	QP	100	67	
4	207.5100	-8.62	28.83	20.21	43.50	-23.29	QP	100	44	
5	239.5200	-6.85	28.48	21.63	46.00	-24.37	QP	100	81	
6	256.0100	-5.27	34.78	29.51	46.00	-16.49	QP	100	349	

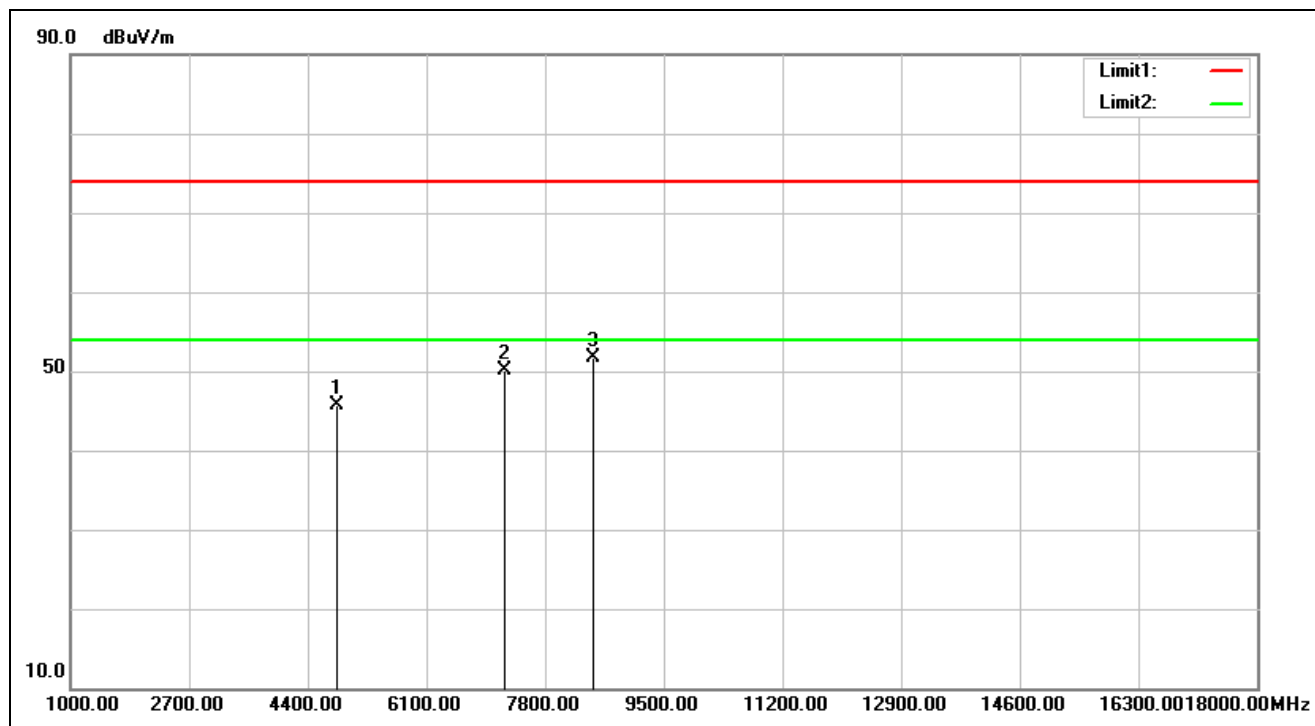
Spurious Emissions, Tx Mode_Pre-Test, 1GHz-18GHz_PL1S



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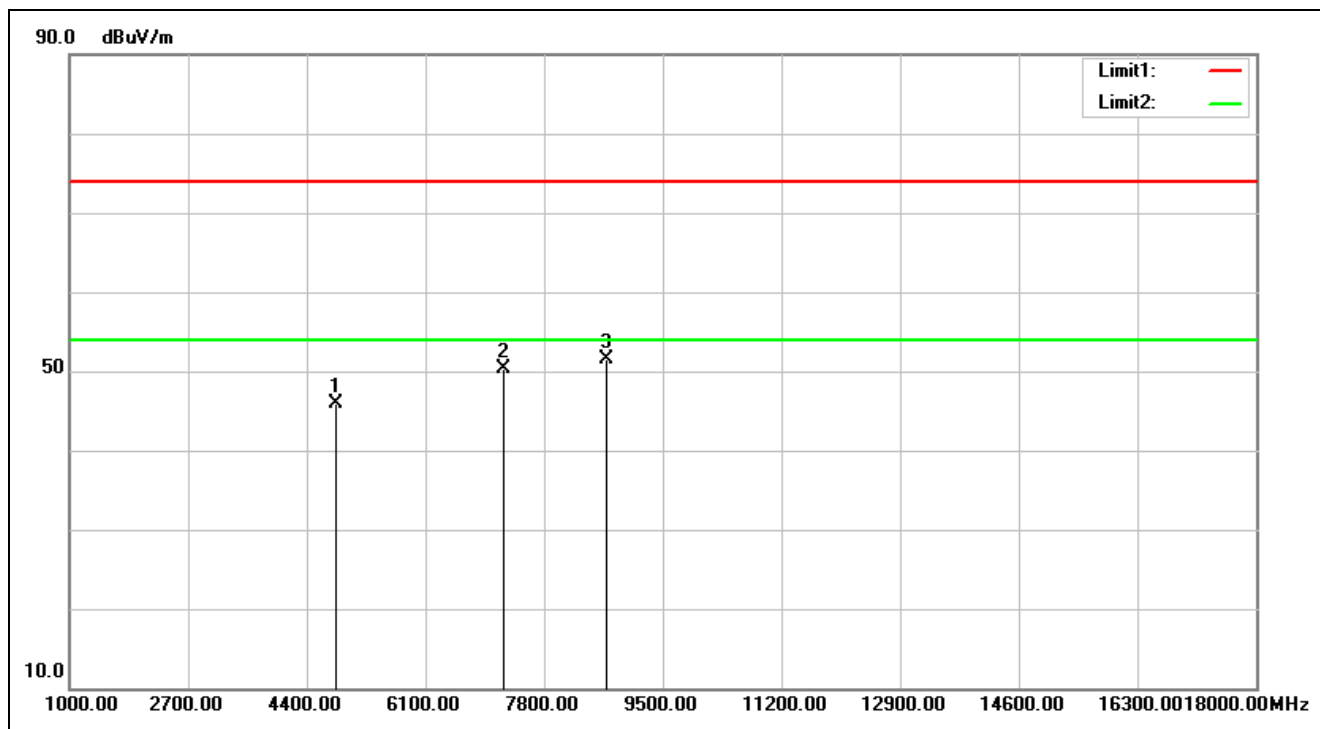
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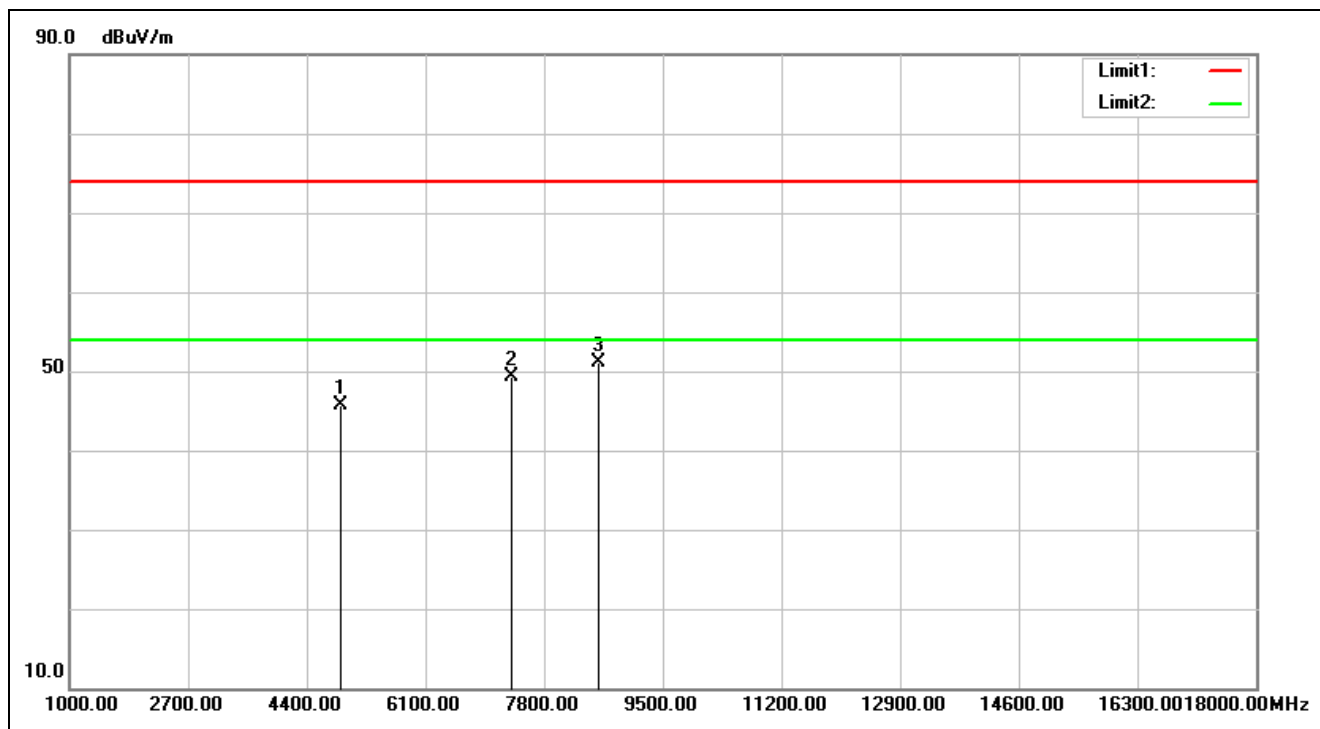
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 11:17:36
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model C Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	48.52	45.80	74.00	-28.20	peak		0	
2	7206.000	5.25	44.86	50.11	74.00	-23.89	peak		0	
3	8497.000	6.38	45.32	51.70	74.00	-22.30	peak	100	0	



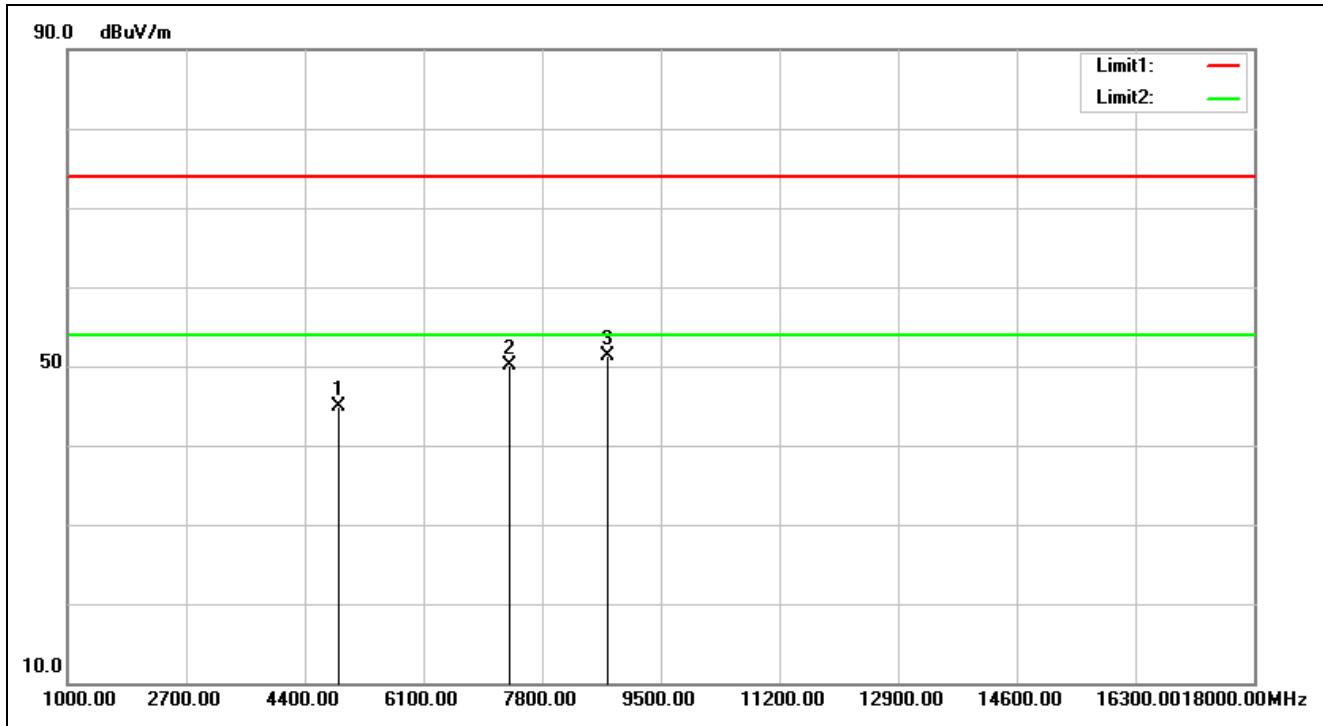
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 11:18:38
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%)	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2402-TX		
Remark:	Model C Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	48.60	45.88	74.00	-28.12	peak			
2	7206.000	5.25	44.99	50.24	74.00	-23.76	peak			
3	8684.000	6.40	45.10	51.50	74.00	-22.50	peak	100	360	



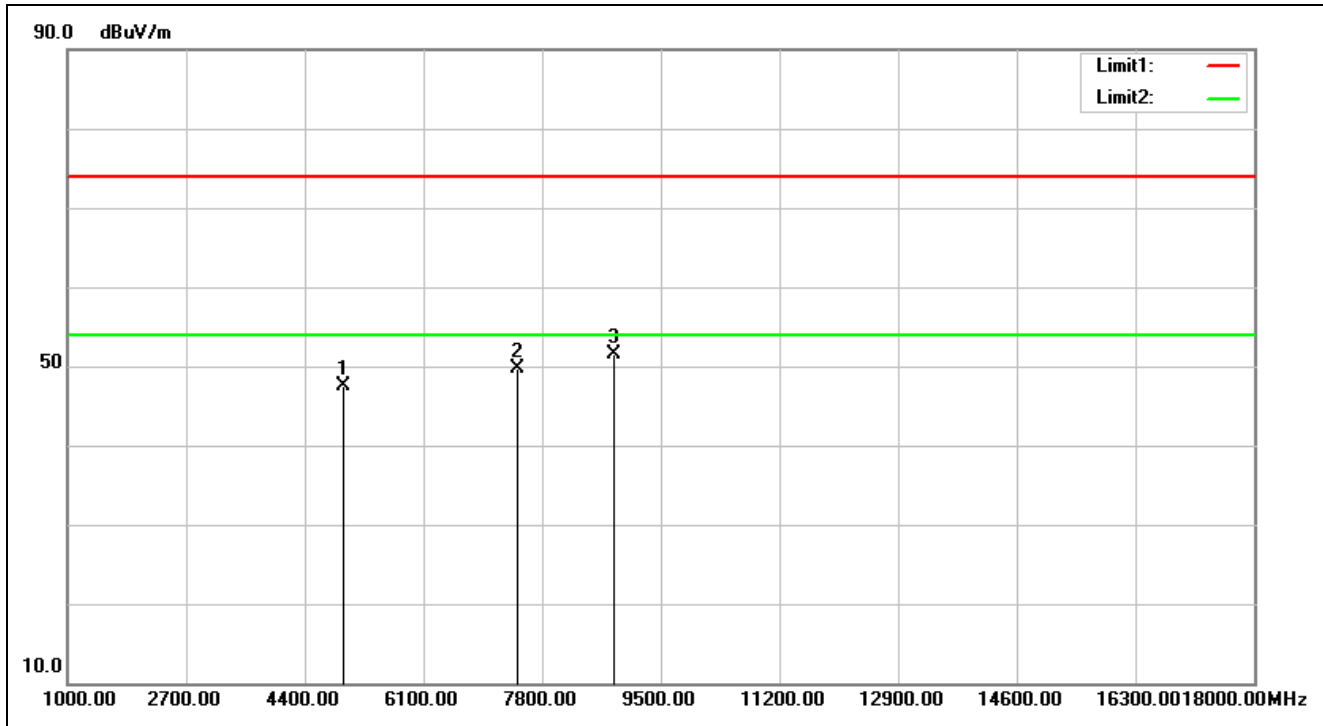
Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 11:20:59
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model C Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.50	48.21	45.71	74.00	-28.29	peak			
2	7320.000	5.54	43.72	49.26	74.00	-24.74	peak			
3	8582.000	6.39	44.70	51.09	74.00	-22.91	peak	100	125	



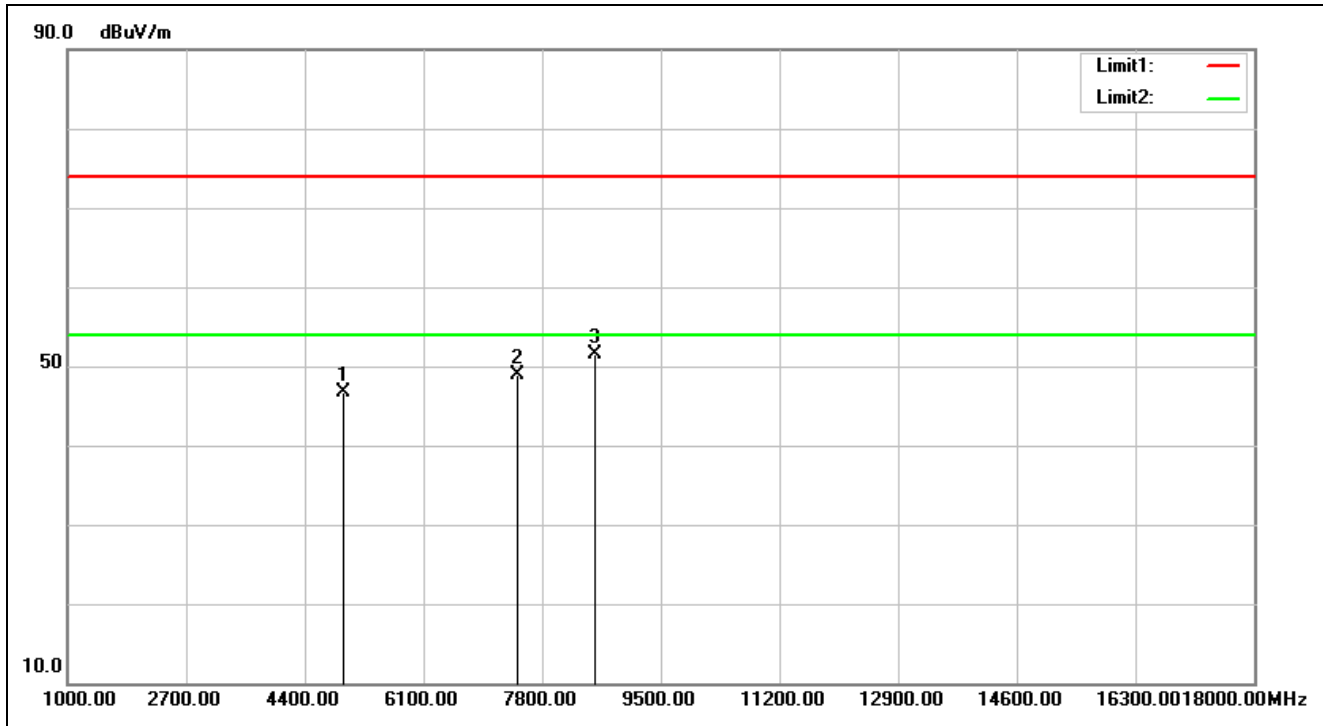
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 11:22:02
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2440-TX		
Remark:	Model C Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.50	47.47	44.97	74.00	-29.03	peak			
2	7320.000	5.54	44.52	50.06	74.00	-23.94	peak			
3	8735.000	6.40	44.83	51.23	74.00	-22.77	peak	100	21	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/14 11:24:26
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model C Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	49.70	47.42	74.00	-26.58	peak			
2	7440.000	5.84	43.95	49.79	74.00	-24.21	peak			
3	8837.000	6.42	45.02	51.44	74.00	-22.56	peak	100	211	



Service No.:	114071707(PL1-B)NCC BLE	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/14 11:25:29
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	Electronic BLE Deadbolt	Temp.(°C)/Hum.(%):	19(°C)/58%
Model No.:	PL1-B	Test Engineer:	Curry Chen
Test Mode:	2480-TX		
Remark:	Model C Power -8 dBm		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	48.89	46.61	74.00	-27.39	peak			
2	7440.000	5.84	43.08	48.92	74.00	-25.08	peak			
3	8565.000	6.39	45.21	51.60	74.00	-22.40	peak	100	135	