

Test Report No.50217085 001

Appendix D: Radiated and Mains Spurious Emission Data

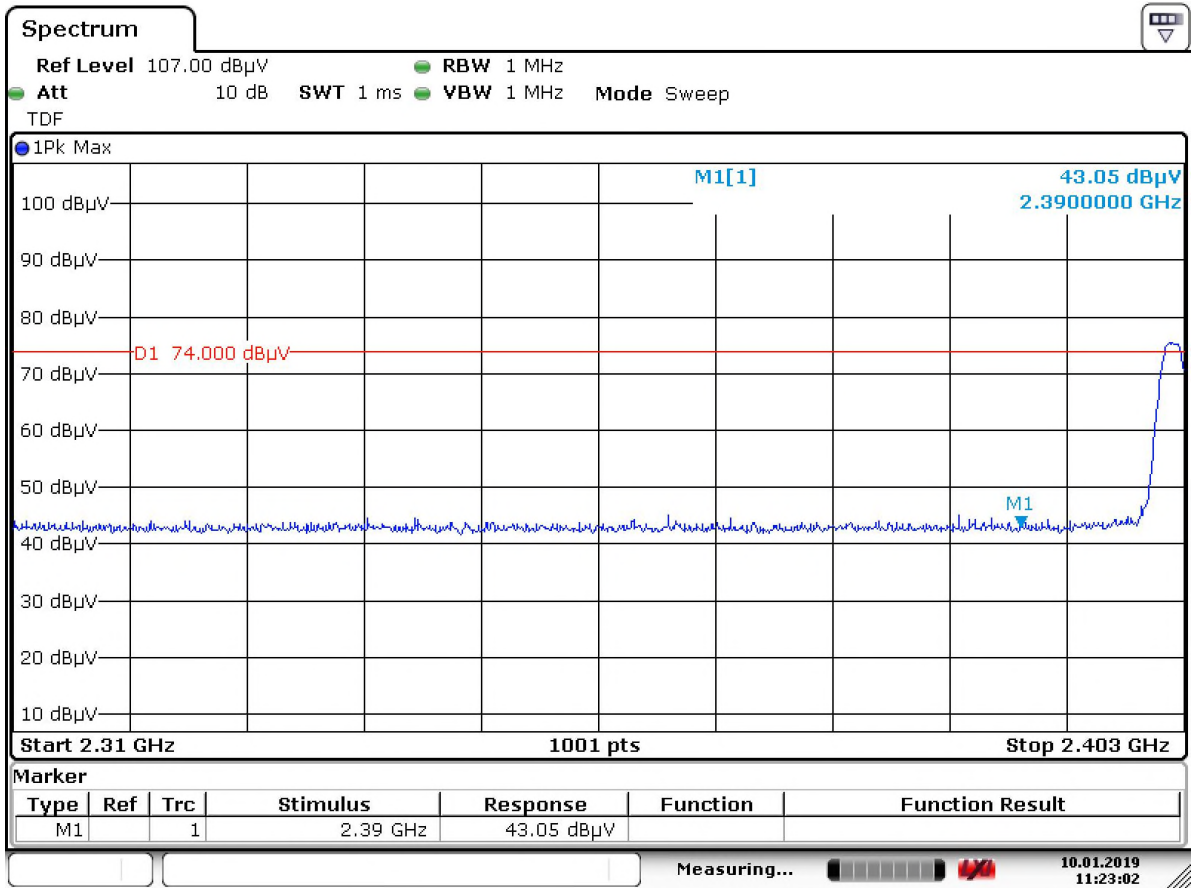
(File: 50217085 001AppendixD)

Contents

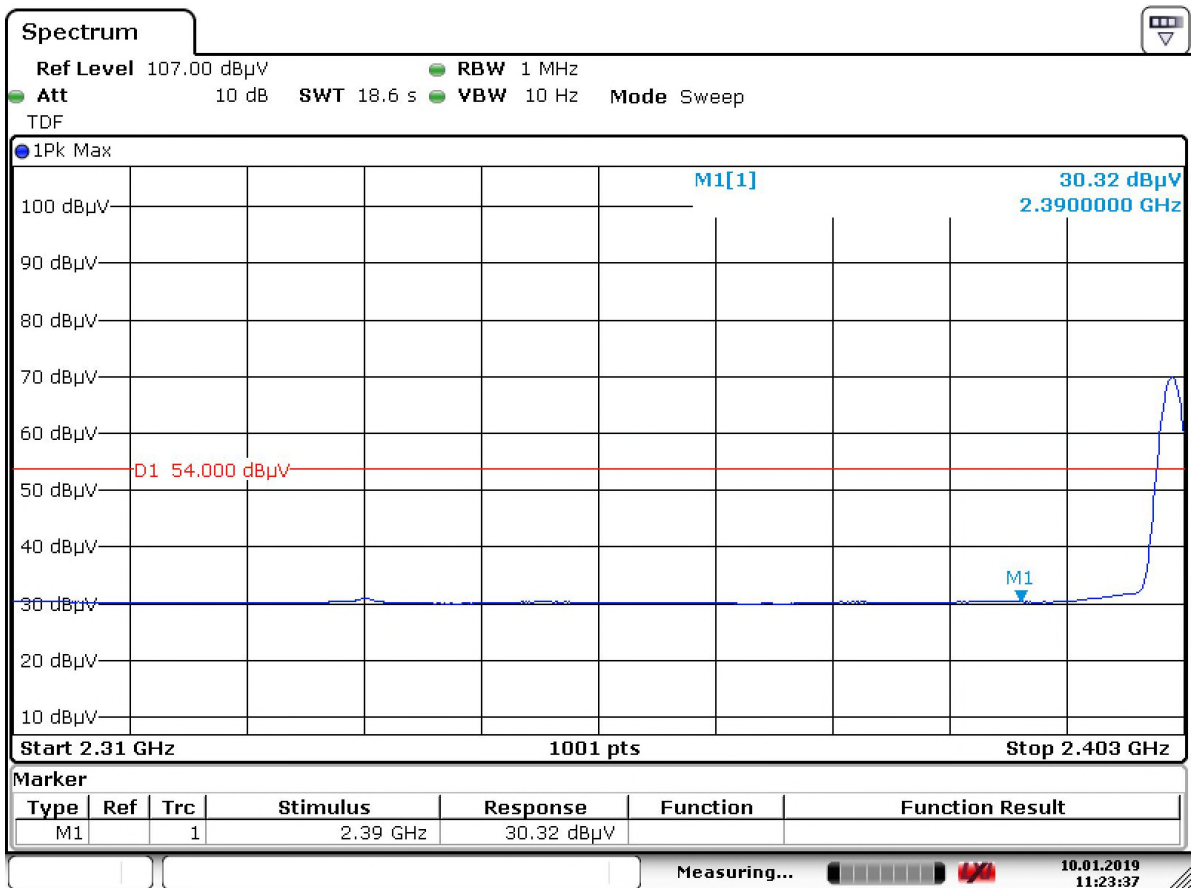
Spurious Emissions, Band Edges, 2.35-2.5G	2
Spurious Emissions, TX Mode, 1-18G.....	6
Spurious Emissions, TX Mode, 18-26G.....	12
Spurious Emissions, TX Mode, 30M-1G	18
Spurious Emissions, TX Mode, 9K-30M	20
Spurious Emissions, RX Mode, 1-18G	22
Spurious Emissions, RX Mode, 18-26G	24
Spurious Emissions, RX Mode, 30M-1G.....	26
Spurious Emissions, RX Mode, 9K-30M.....	28

Spurious Emissions, Band Edges, 2.35-2.5G

Low Channel (Horizontal)

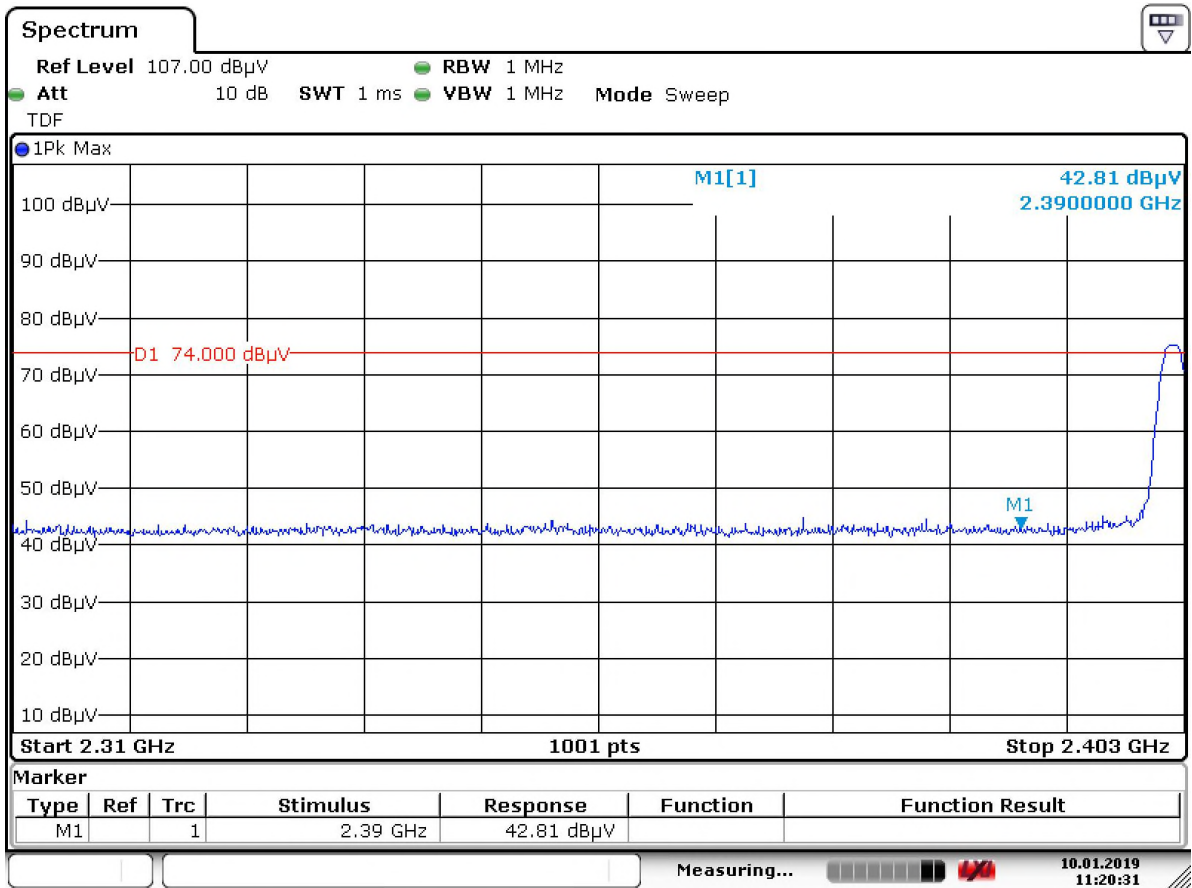


Date: 10.JAN.2019 11:23:02

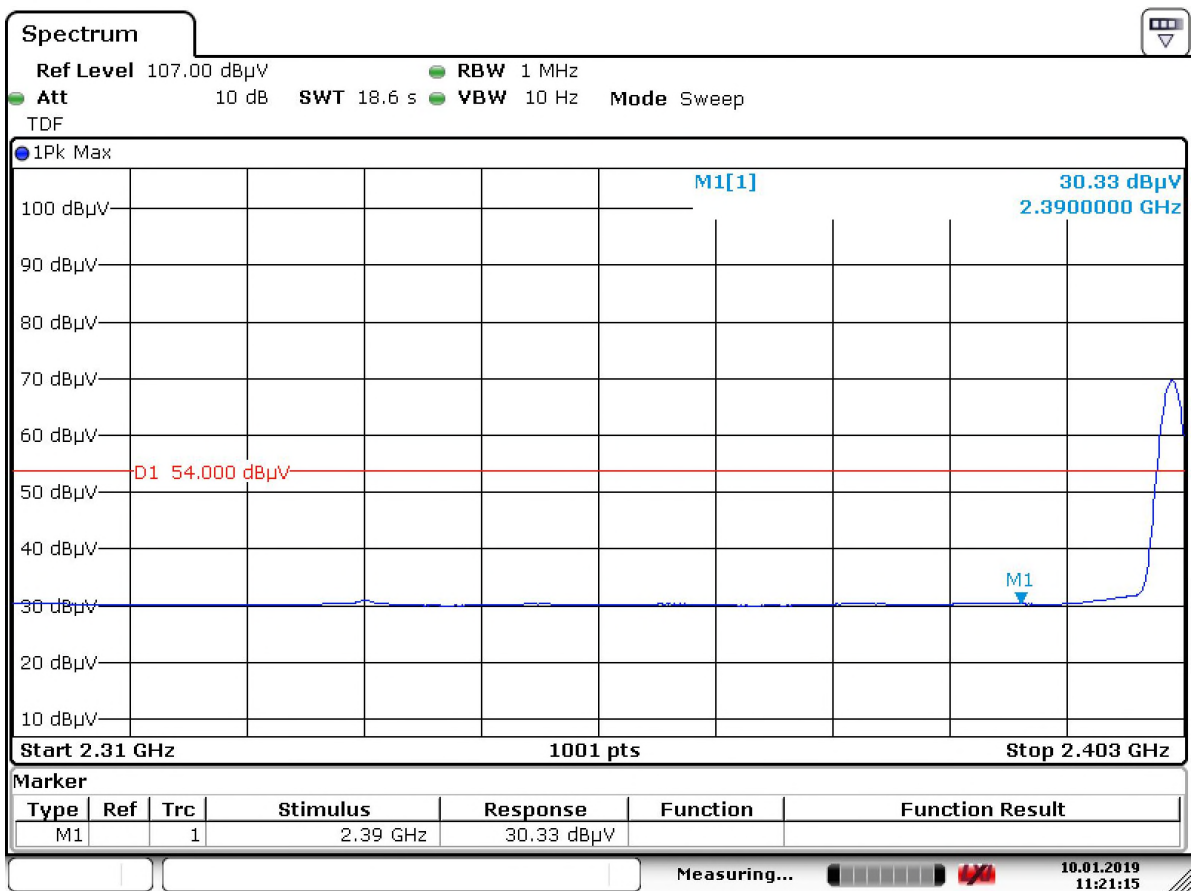


Date: 10.JAN.2019 11:23:37

Low Channel (Vertical)

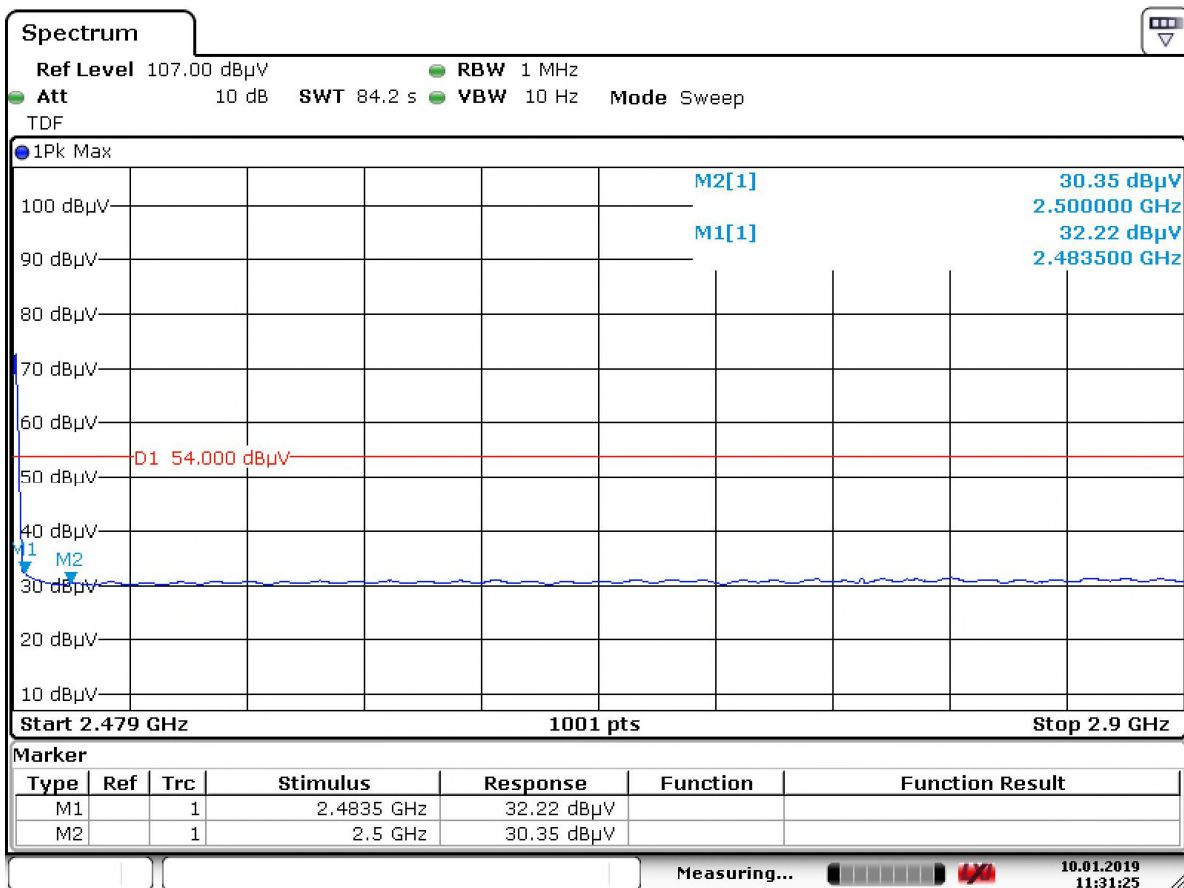


Date: 10.JAN.2019 11:20:32

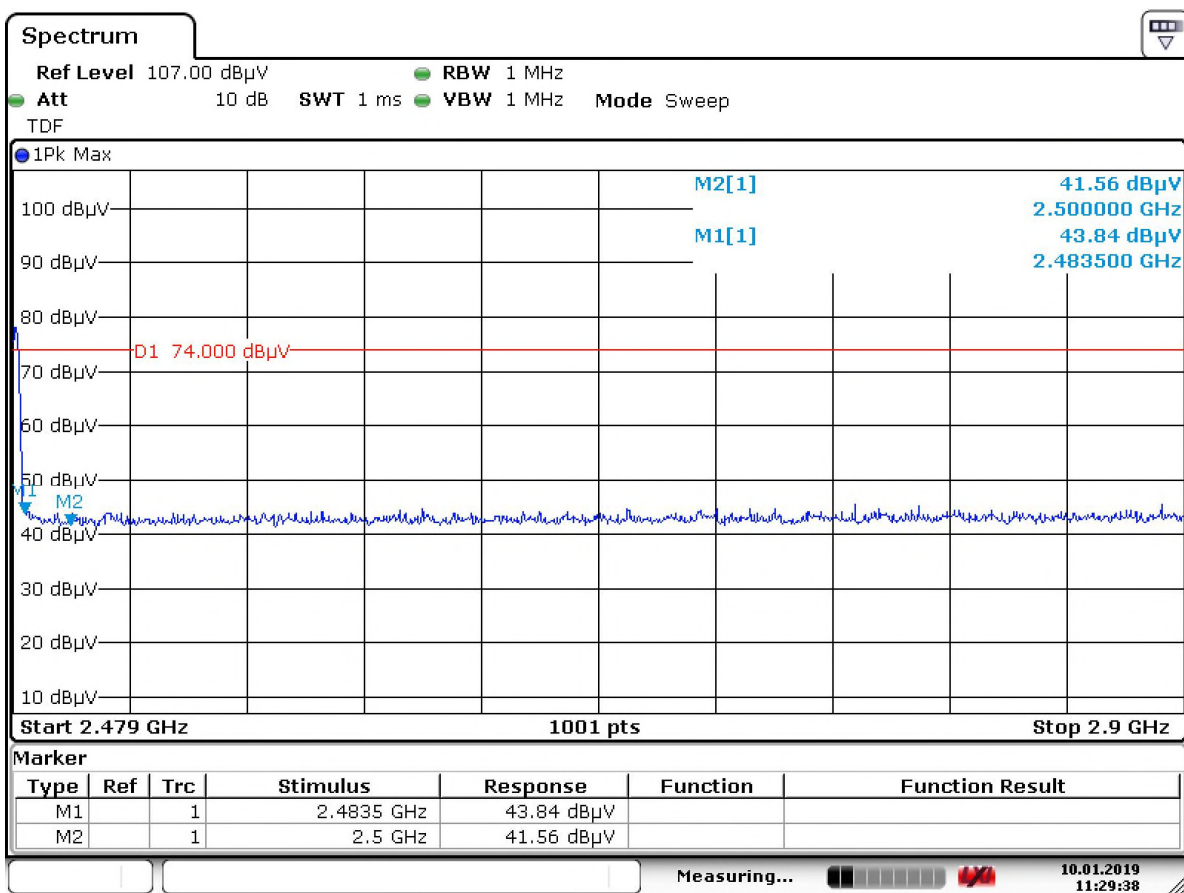


Date: 10.JAN.2019 11:21:15

High Channel (Horizontal)

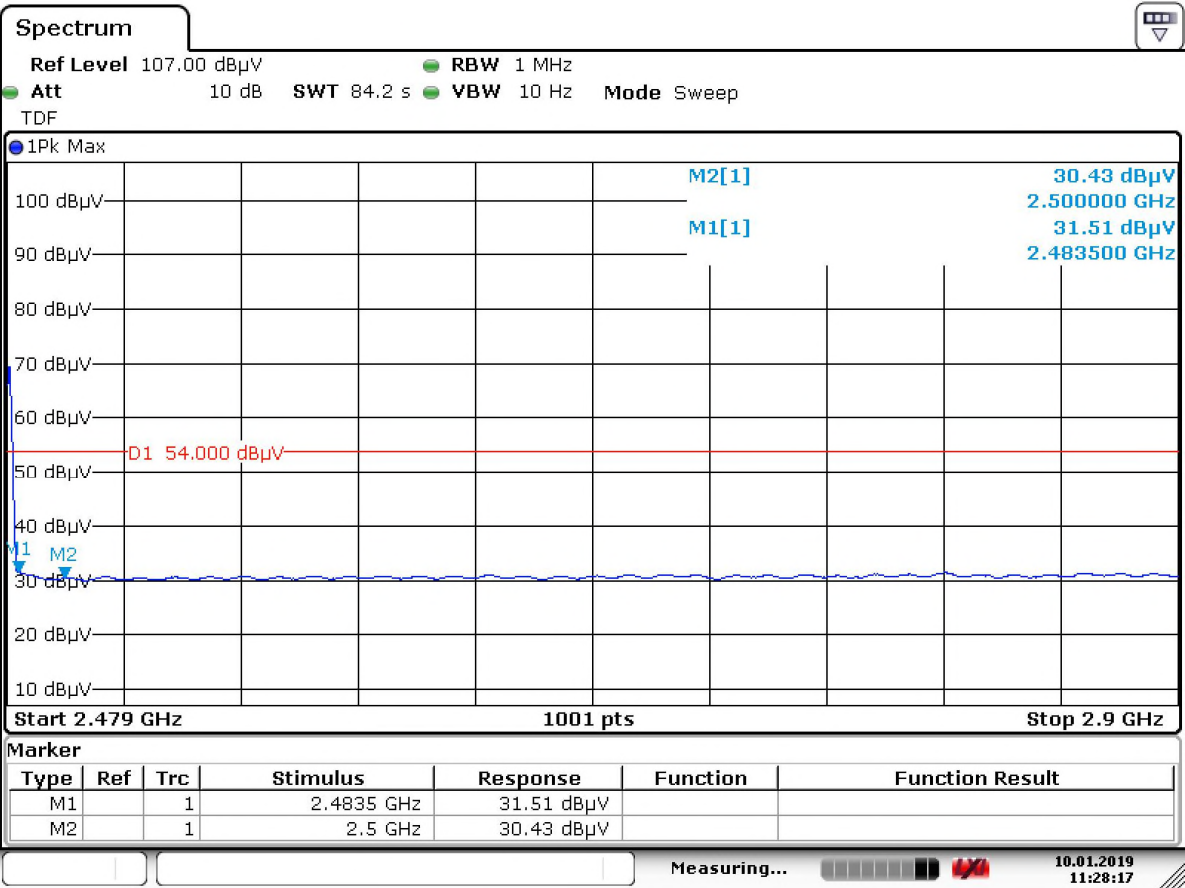


Date: 10.JAN.2019 11:31:26

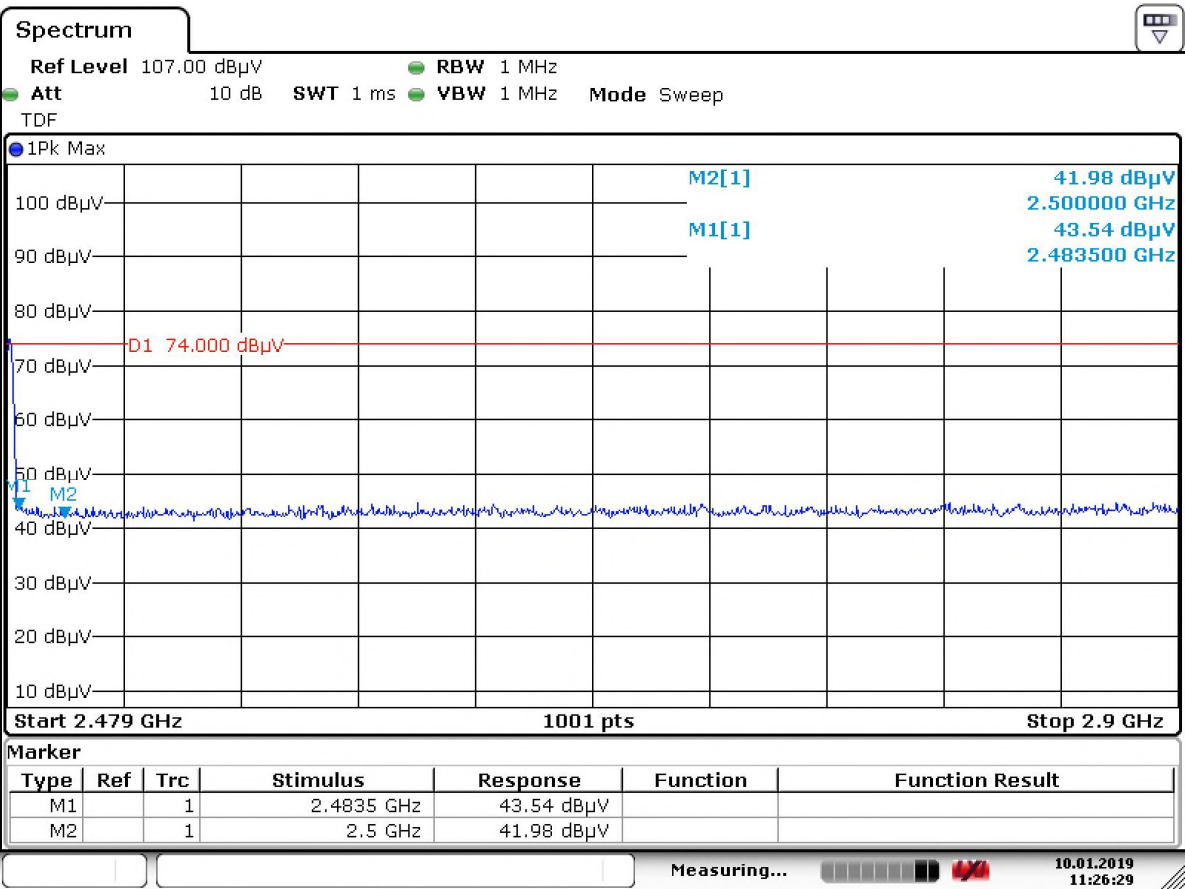


Date: 10.JAN.2019 11:29:38

High Channel (Vertical)



Date: 10.JAN.2019 11:28:17



Date: 10.JAN.2019 11:26:29

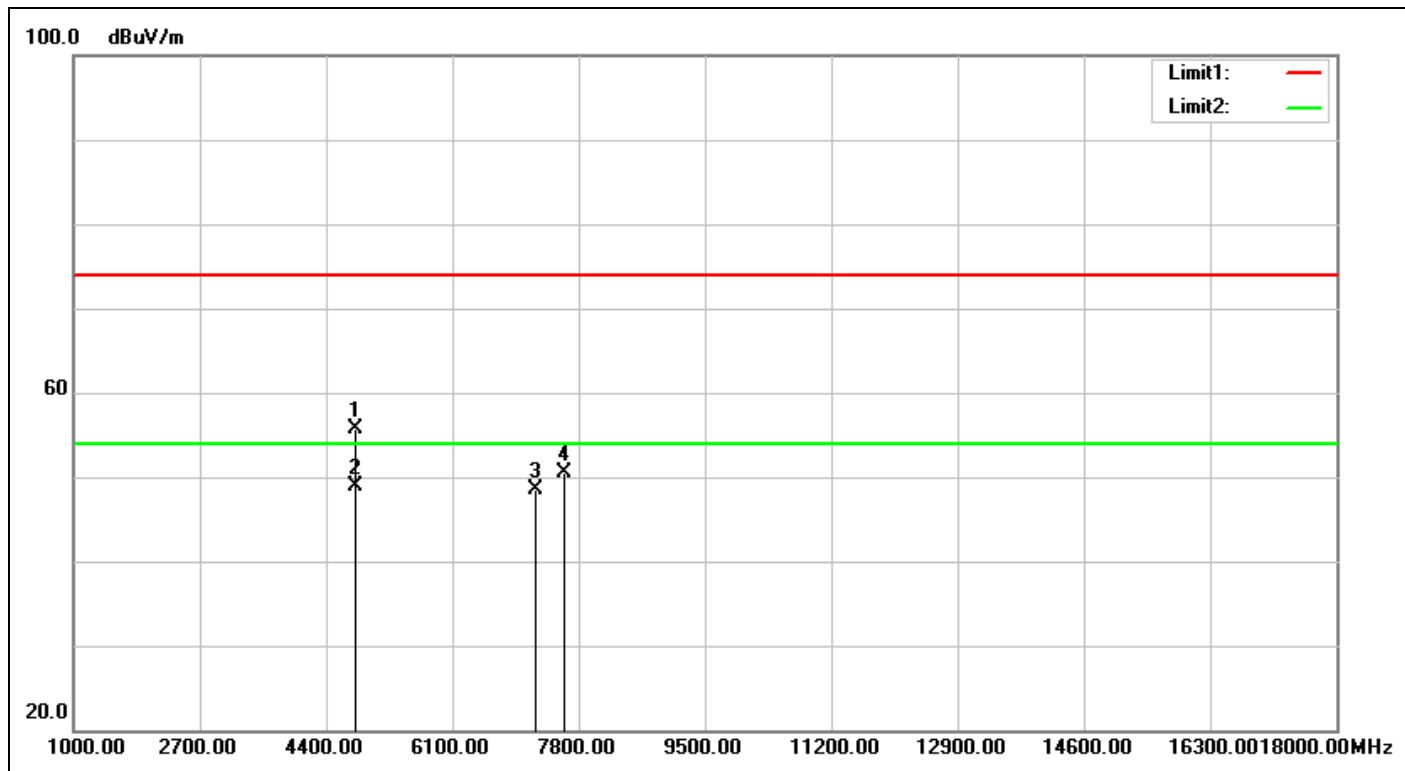
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

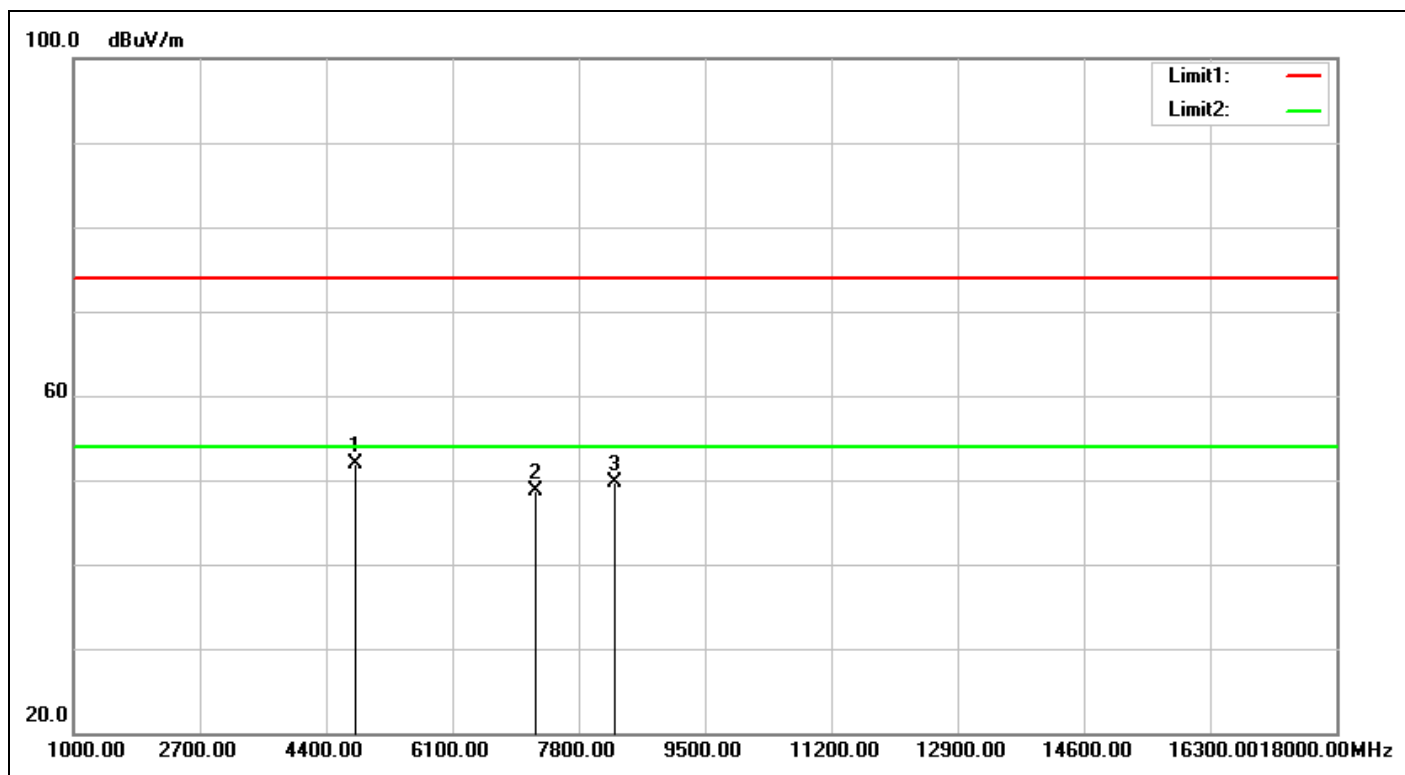
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



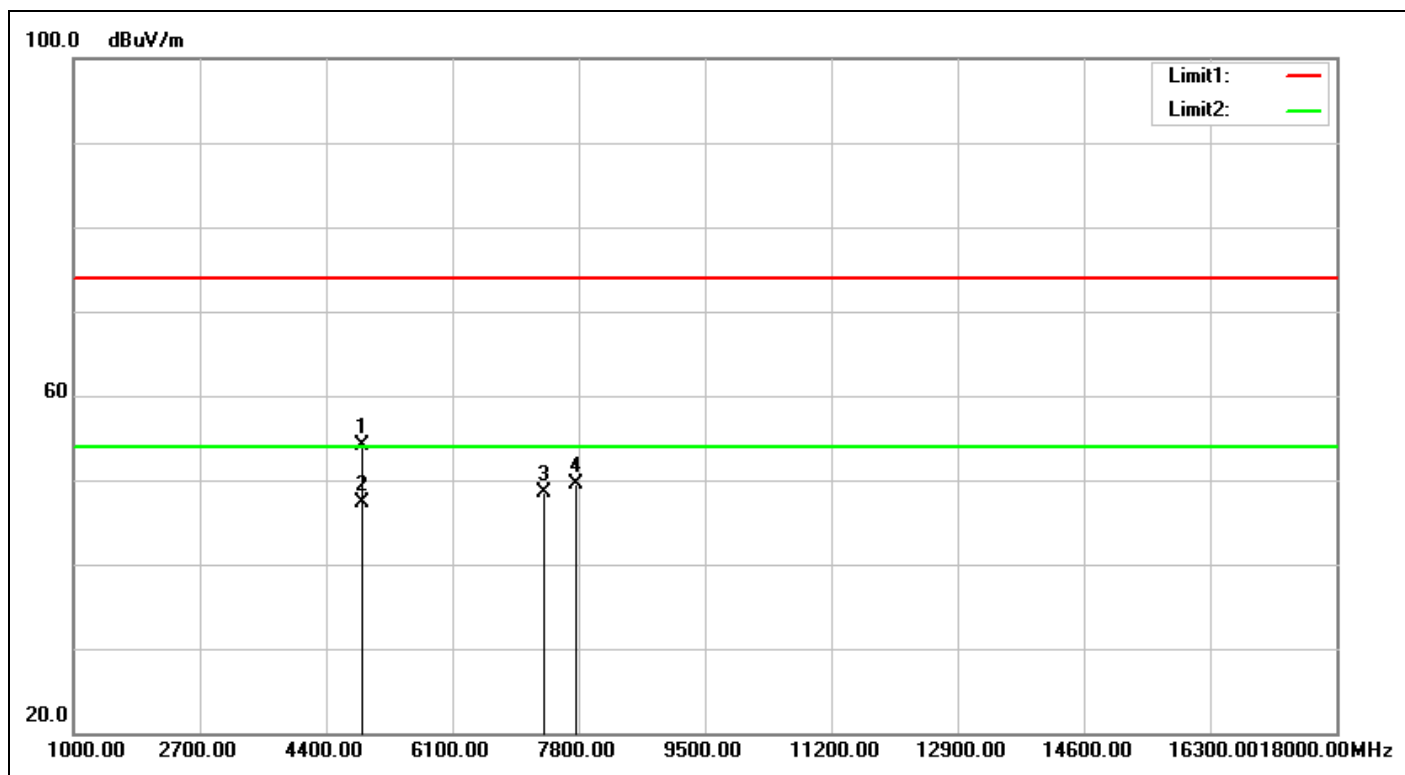
Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 10:51:53
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-3.45	59.08	55.63	74.00	-18.37	peak	100	147	
2	4804.000	-3.45	52.26	48.81	54.00	-5.19	AVG	100	147	
3	7206.000	4.22	44.36	48.58	74.00	-25.42	peak	100	181	
4	7596.000	4.89	45.55	50.44	74.00	-23.56	peak	100	72	



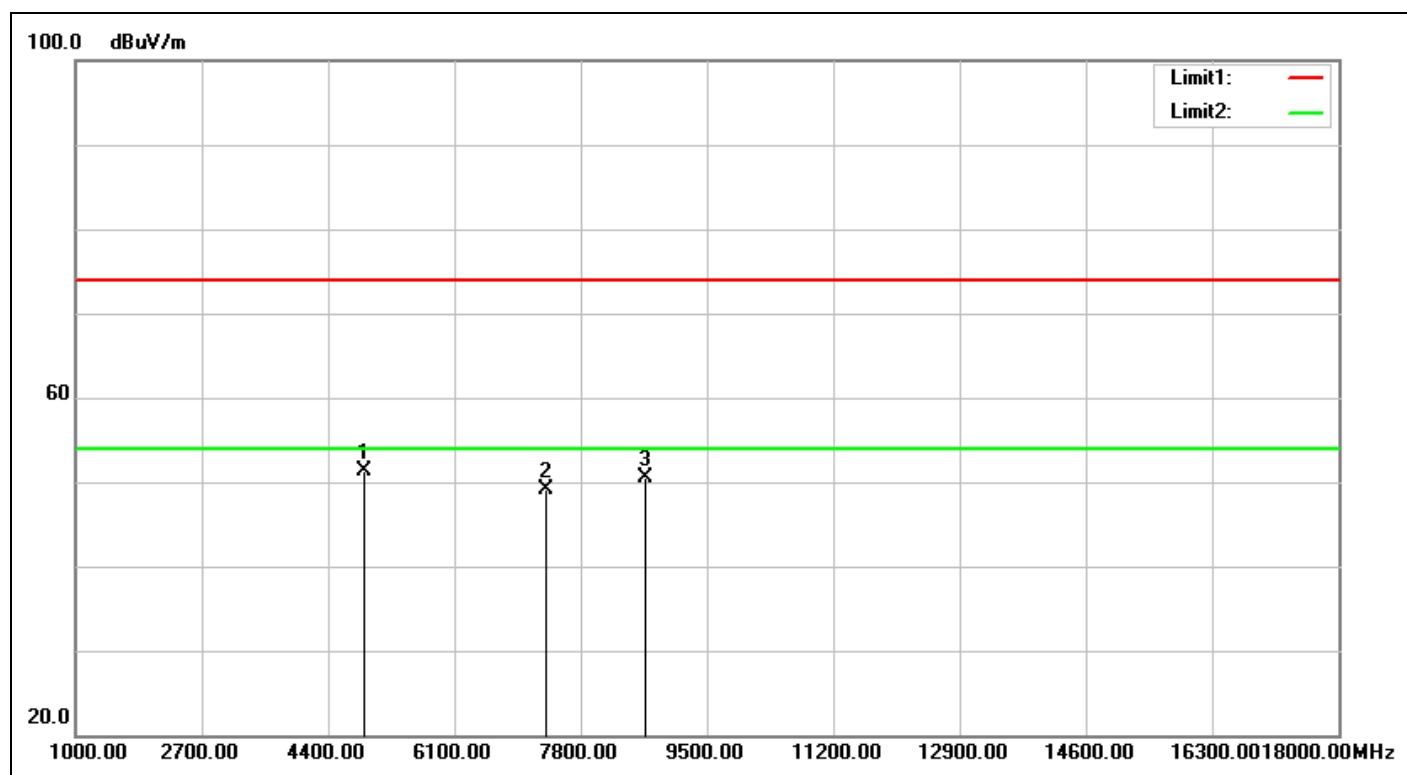
Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 10:41:25
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-3.45	55.36	51.91	74.00	-22.09	peak	100	140	
2	7206.000	4.22	44.48	48.70	74.00	-25.30	peak	100	20	
3	8276.000	5.17	44.54	49.71	74.00	-24.29	peak	100	48	



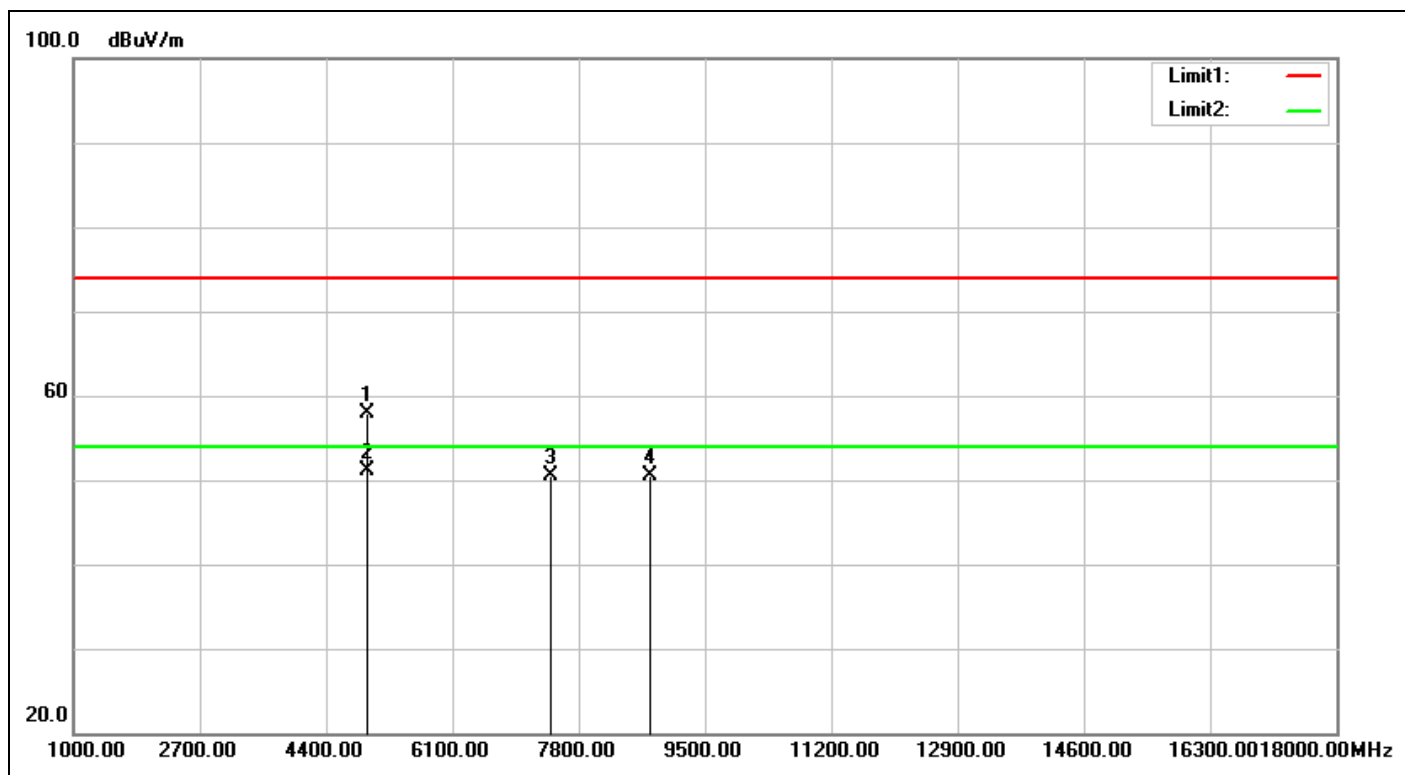
Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 10:55:17
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-3.35	57.54	54.19	74.00	-19.81	peak	100	164	
2	4880.000	-3.35	50.70	47.35	54.00	-6.65	AVG	100	164	
3	7320.000	4.50	44.09	48.59	74.00	-25.41	peak	100	233	
4	7766.000	4.80	44.71	49.51	74.00	-24.49	peak	100	291	



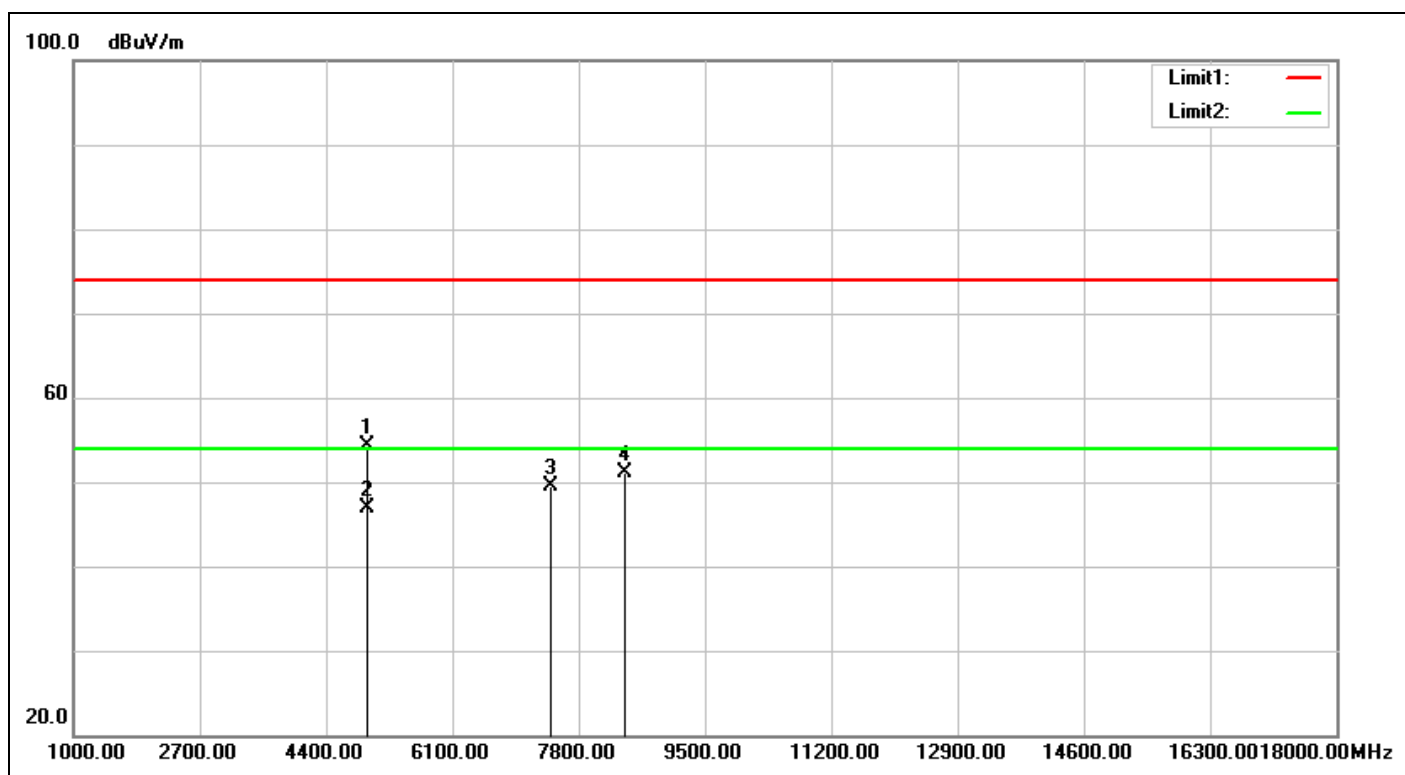
Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 10:56:10
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-3.35	54.72	51.37	74.00	-22.63	peak	100	244	
2	7320.000	4.50	44.59	49.09	74.00	-24.91	peak	100	28	
3	8667.000	5.57	44.91	50.48	74.00	-23.52	peak	100	179	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 10:35:33
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-3.24	61.08	57.84	74.00	-16.16	peak	100	89	
2	4960.000	-3.24	54.29	51.05	54.00	-2.95	AVG	100	89	
3	7440.000	4.79	45.63	50.42	74.00	-23.58	peak	100	185	
4	8752.000	5.57	44.95	50.52	74.00	-23.48	peak	100	350	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 10:36:26
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-3.24	57.61	54.37	74.00	-19.63	peak	100	340	
2	4960.000	-3.24	50.12	46.88	54.00	-7.12	AVG	100	340	
3	7440.000	4.79	44.66	49.45	74.00	-24.55	peak	100	134	
4	8429.000	5.45	45.67	51.12	74.00	-22.88	peak	100	237	

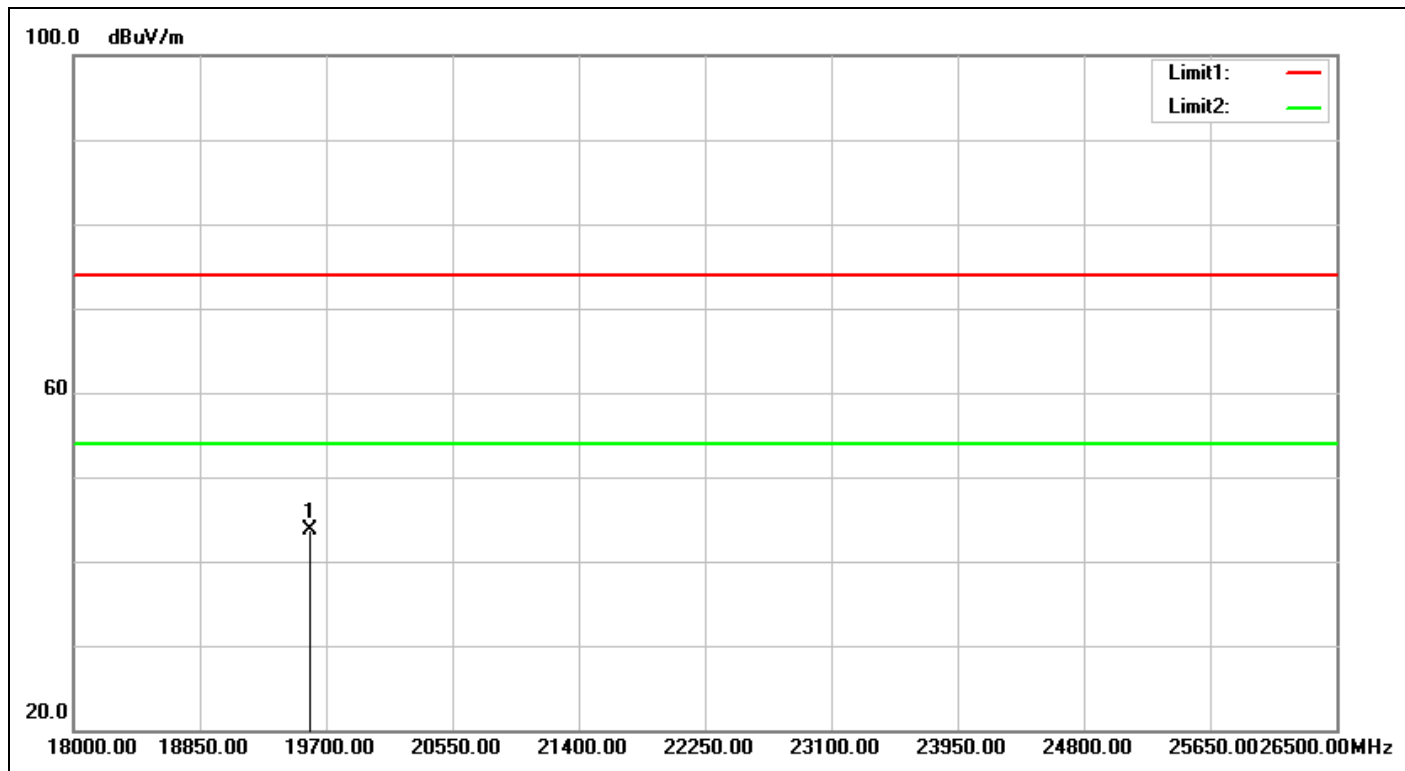
Spurious Emissions, TX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

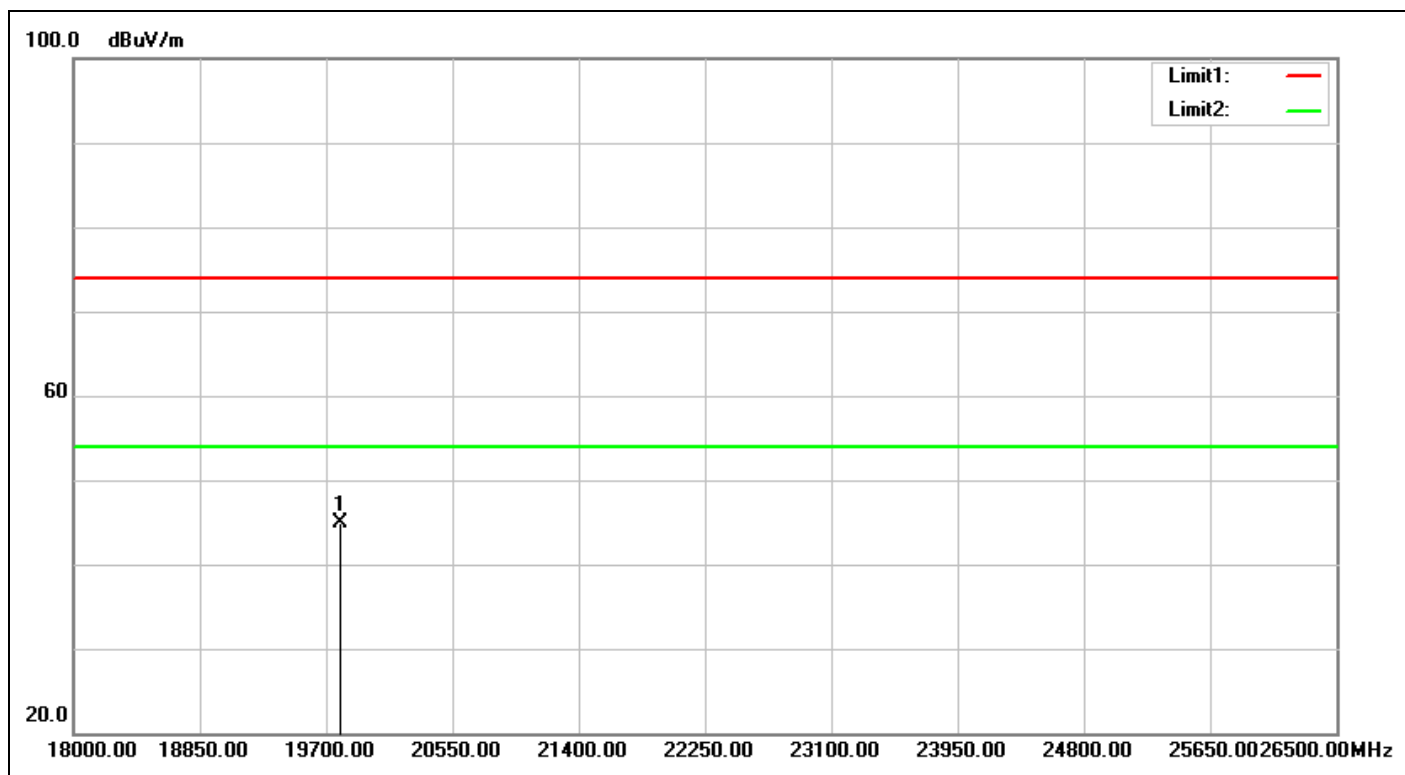
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



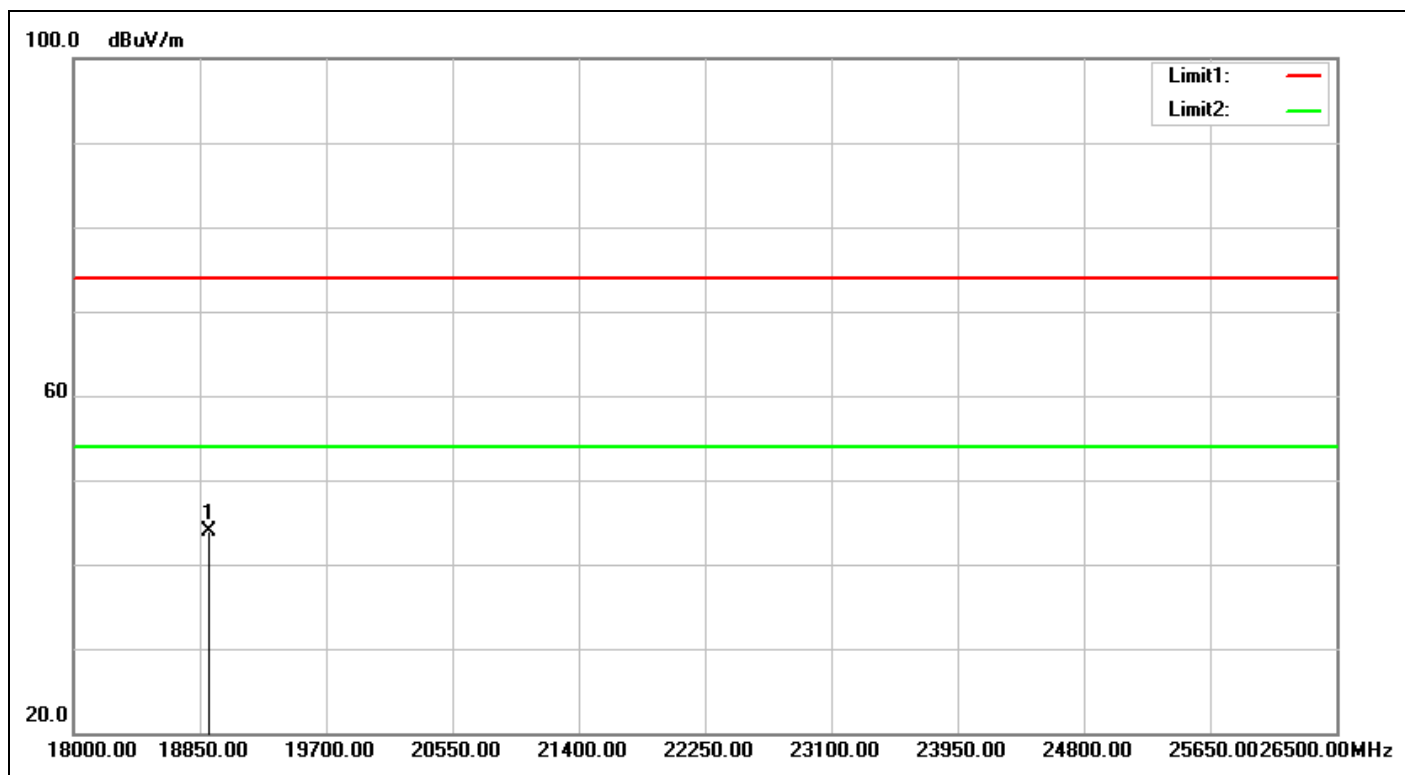
Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 11:27:58
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19589.500	3.61	40.10	43.71	74.00	-30.29	peak	100	243	



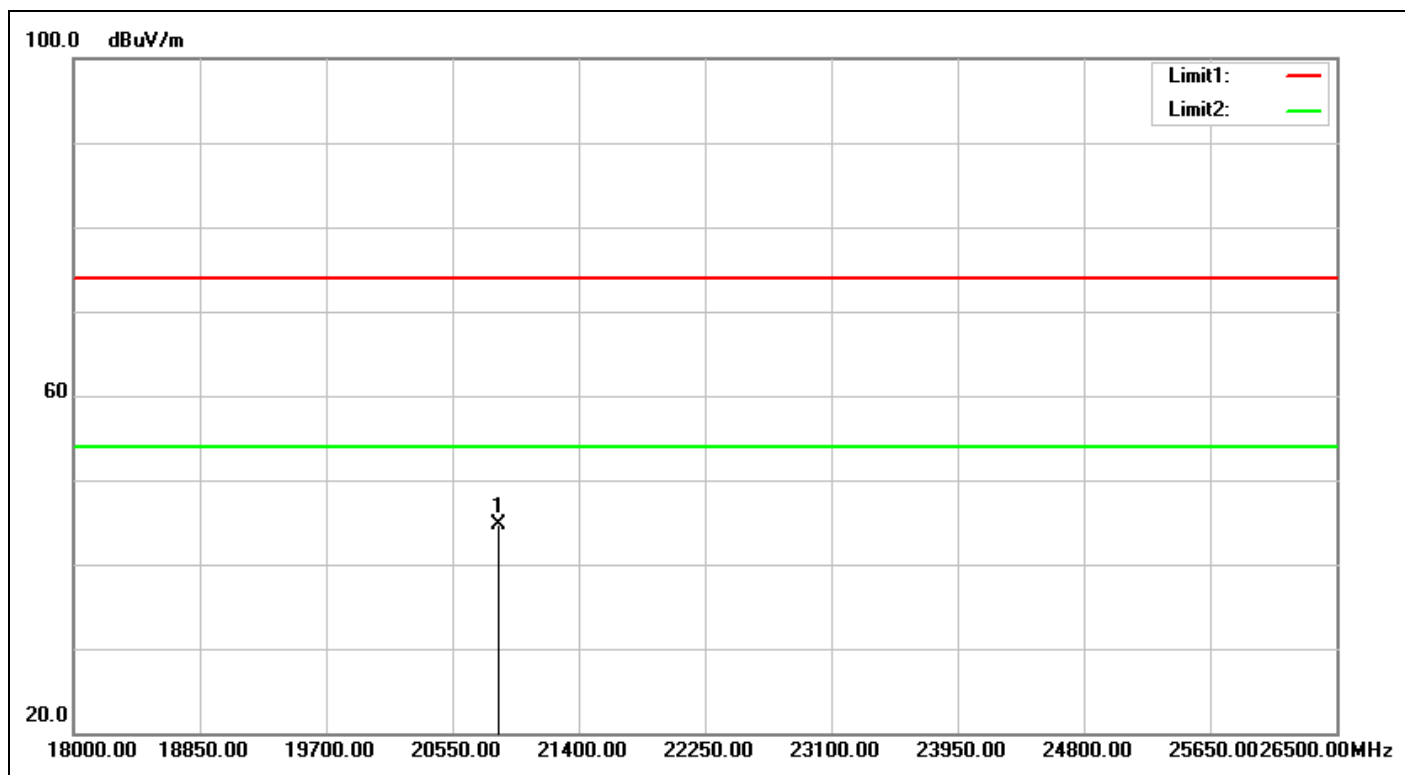
Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 11:28:50
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19793.500	3.63	41.36	44.99	74.00	-29.01	peak	100	320	



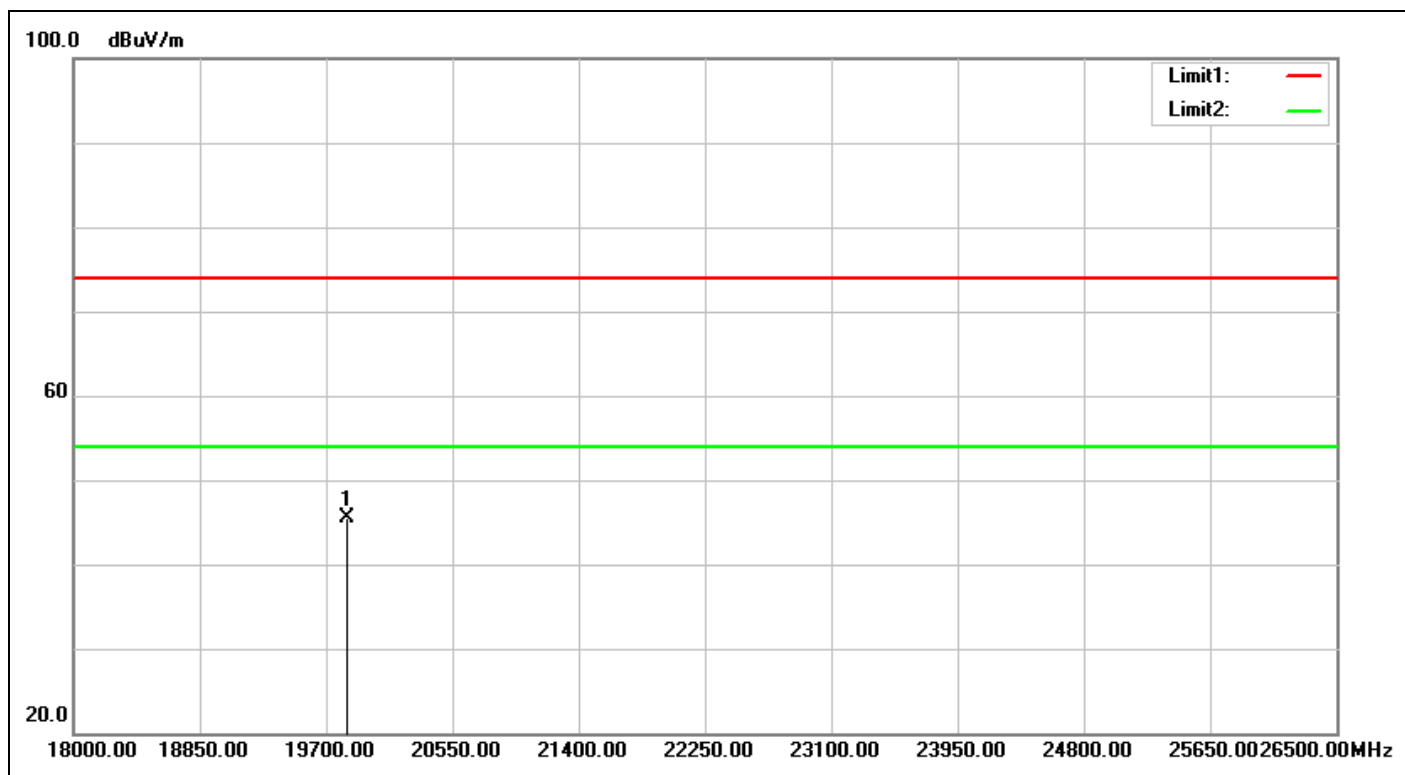
Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 11:31:18
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18909.500	3.85	40.11	43.96	74.00	-30.04	peak	100	106	



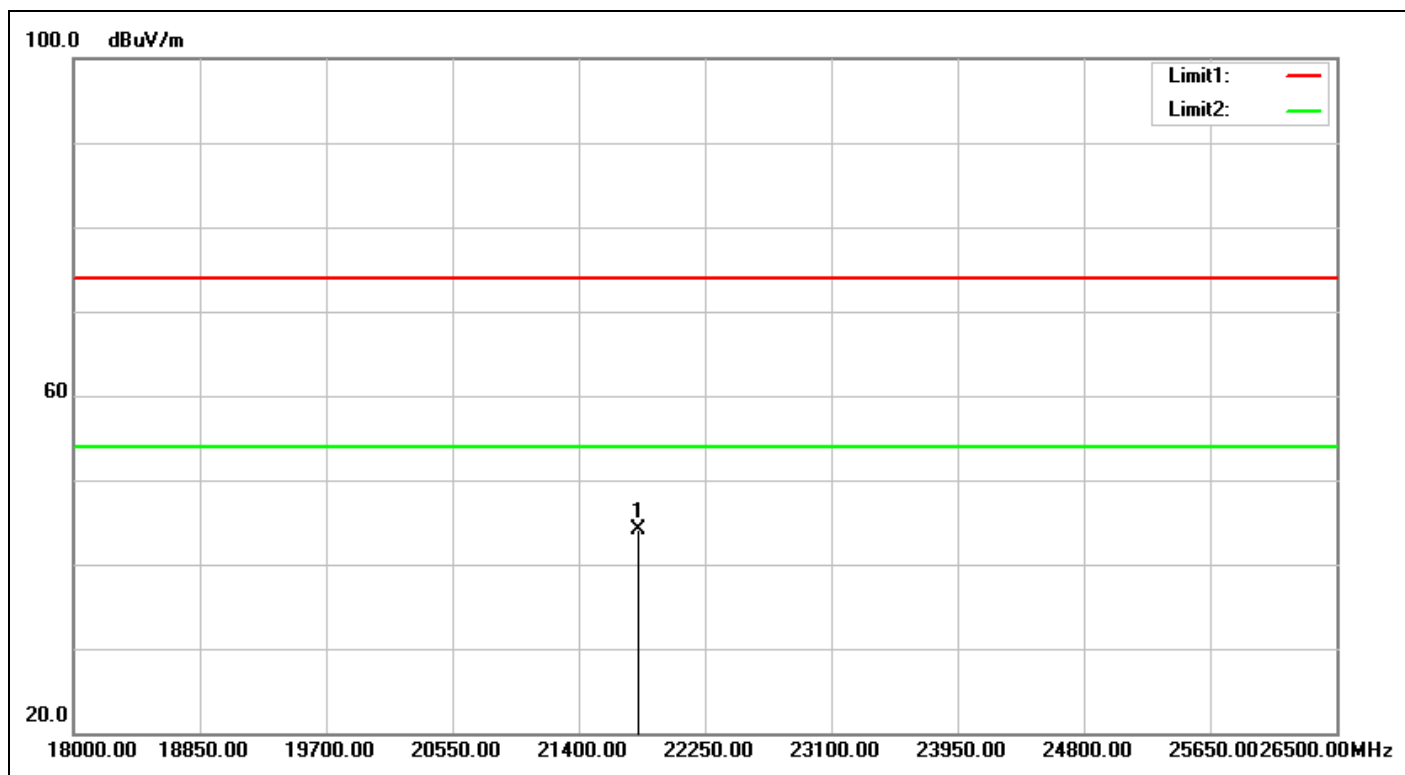
Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 11:32:10
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20856.000	4.32	40.34	44.66	74.00	-29.34	peak	100	158	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 11:33:52
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19844.500	3.69	41.74	45.43	74.00	-28.57	peak	100	0	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 11:34:44
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21799.500	4.31	39.72	44.03	74.00	-29.97	peak	100	292	

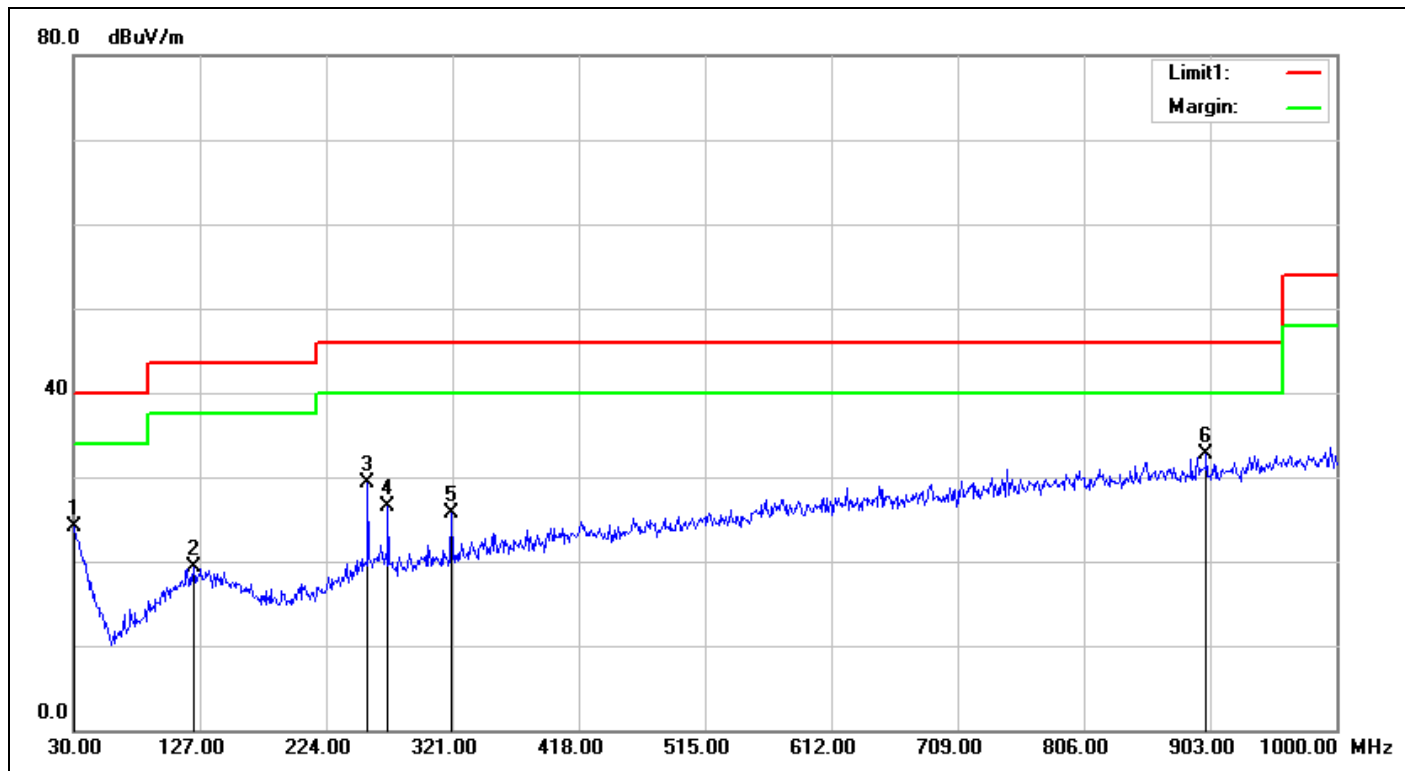
Spurious Emissions, TX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

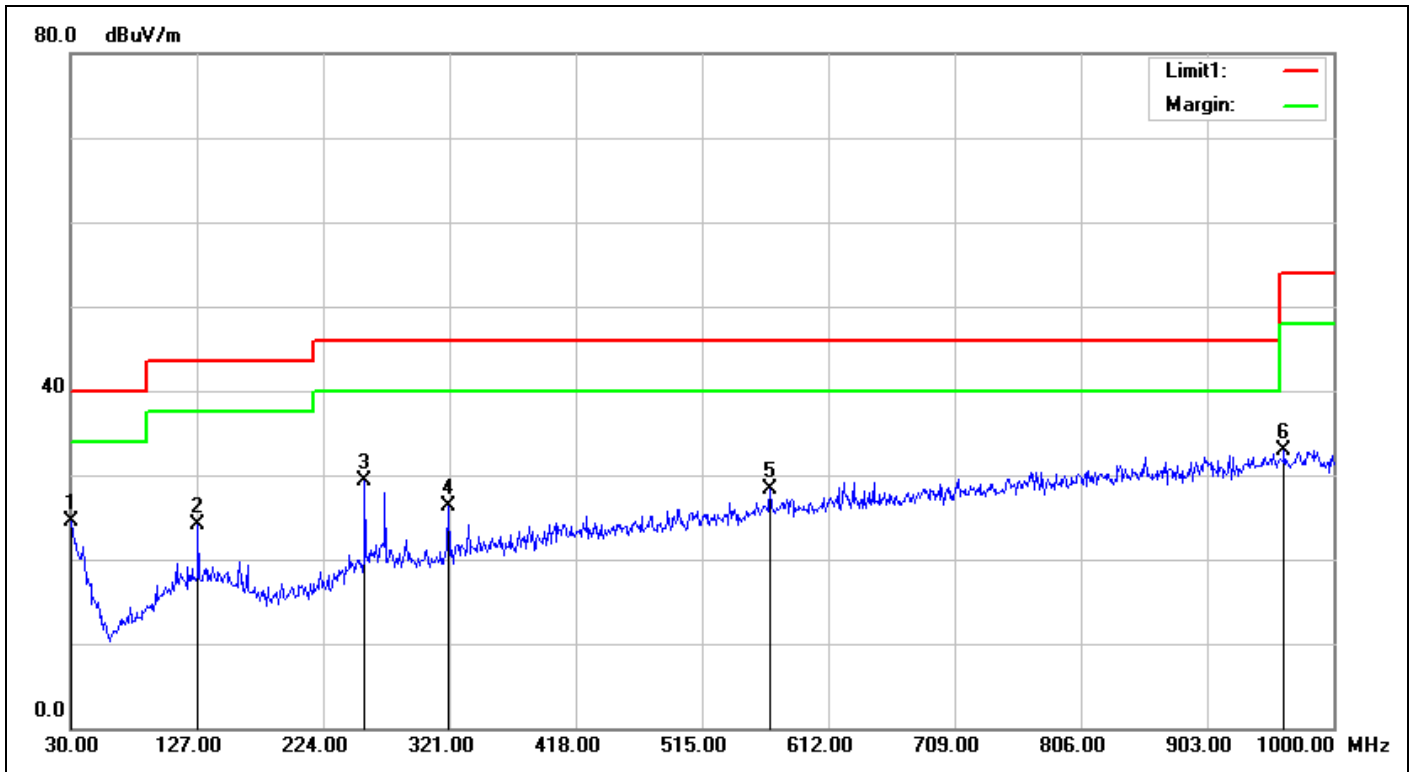
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 11:54:03
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9699	-0.52	24.61	24.09	40.00	-15.91	QP	100	125	
2	122.1500	-7.33	26.57	19.24	43.50	-24.26	QP	100	128	
3	256.0099	-5.18	34.49	29.31	46.00	-16.69	QP	100	279	
4	271.5299	-5.29	31.82	26.53	46.00	-19.47	QP	100	286	
5	320.0299	-4.36	30.00	25.64	46.00	-20.36	QP	100	269	
6	900.0900	4.41	28.25	32.66	46.00	-13.34	QP	100	65	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 11:54:57
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%) :	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.03	24.57	24.54	40.00	-15.46	QP	100	291	
2	127.9700	-7.09	31.28	24.19	43.50	-19.31	QP	100	146	
3	256.0100	-5.18	34.52	29.34	46.00	-16.66	QP	100	15	
4	320.0300	-4.36	30.64	26.28	46.00	-19.72	QP	100	77	
5	567.3800	0.08	28.14	28.22	46.00	-17.78	QP	100	228	
6	962.1700	5.94	26.95	32.89	54.00	-21.11	QP	100	1	

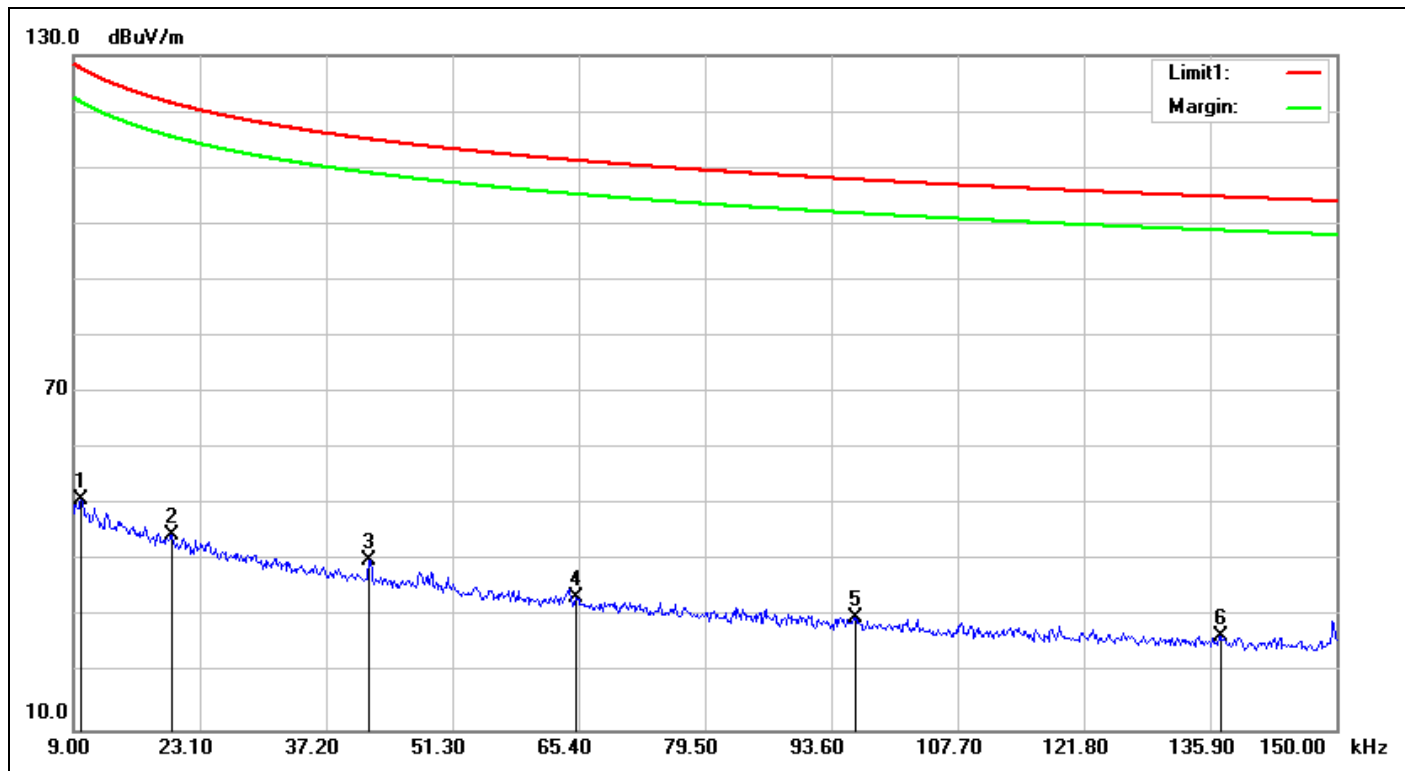
Spurious Emissions, TX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

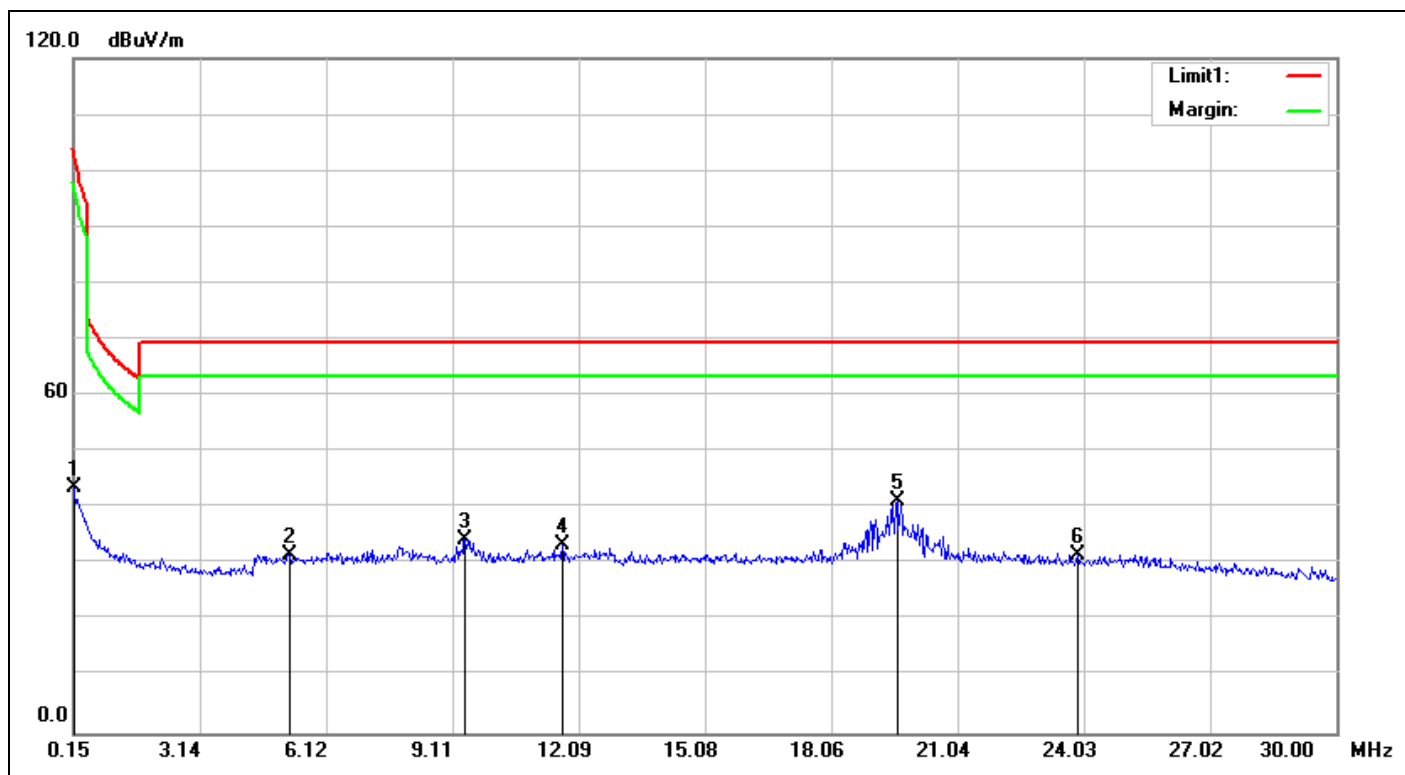
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2019/1/10 11:49:51
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0098	18.48	32.40	50.88	127.67	-76.79	QP	100	326	
2	0.0199	18.92	25.77	44.69	121.53	-76.84	QP	100	234	
3	0.0420	19.08	21.17	40.25	115.07	-74.82	QP	100	272	
4	0.0651	18.74	14.86	33.60	111.27	-77.67	QP	100	176	
5	0.0963	18.37	11.63	30.00	107.88	-77.88	QP	100	241	
6	0.1370	18.35	8.33	26.68	104.83	-78.15	QP	100	312	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2019/1/10 11:48:27
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	TX-2440		
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	18.35	25.28	43.63	104.05	-60.42	QP	100	32	
2	5.2543	19.52	12.16	31.68	69.50	-37.82	QP	100	196	
3	9.4035	20.32	14.11	34.43	69.50	-35.07	QP	100	189	
4	11.7020	20.64	12.69	33.33	69.50	-36.17	QP	100	360	
5	19.6122	21.56	19.76	41.32	69.50	-28.18	QP	100	32	
6	23.8807	21.75	9.95	31.70	69.50	-37.80	QP	100	241	

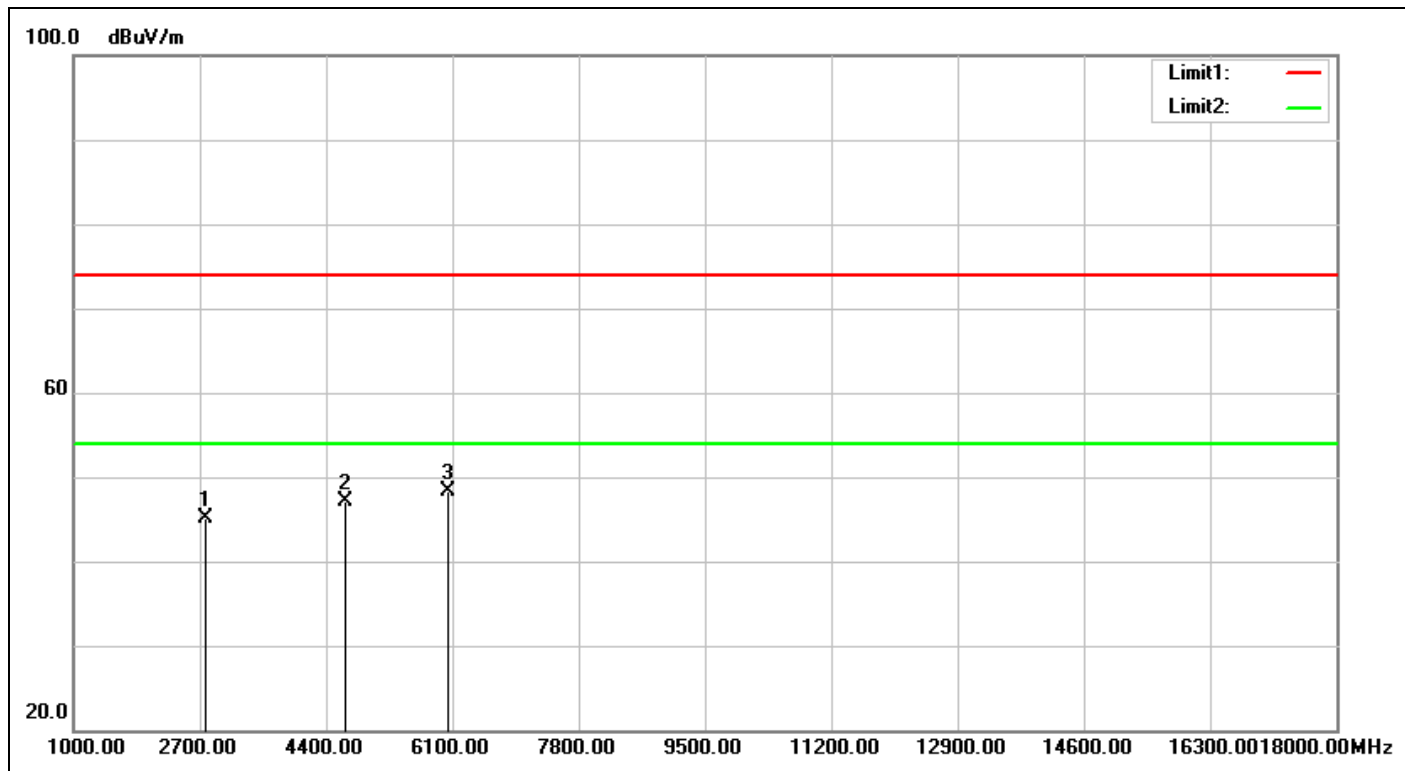
Spurious Emissions, RX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

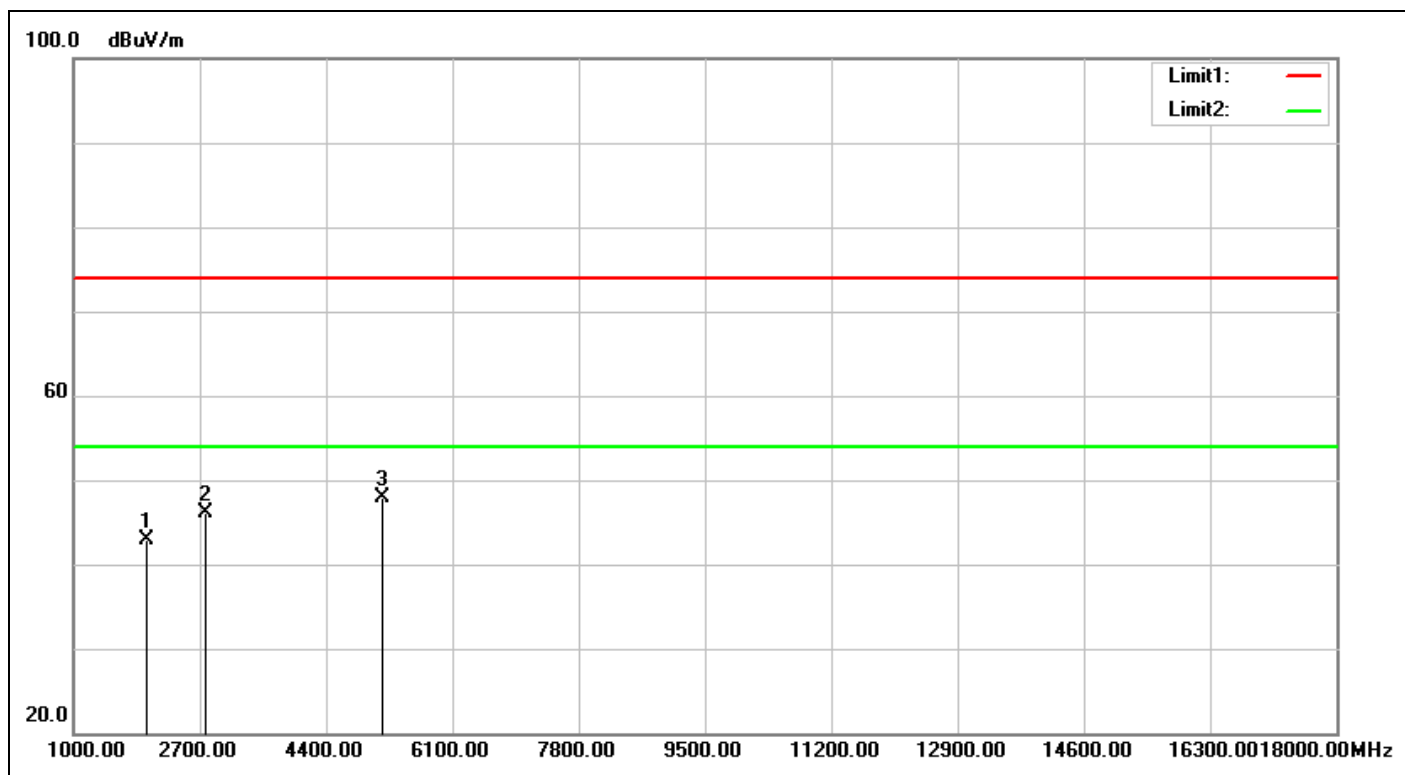
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 10:59:28
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2785.000	-7.61	52.71	45.10	74.00	-28.90	peak	100	144	
2	4655.000	-3.66	50.68	47.02	74.00	-26.98	peak	100	274	
3	6032.000	2.49	45.75	48.24	74.00	-25.76	peak	100	353	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 11:00:20
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1986.000	-8.28	51.18	42.90	74.00	-31.10	peak	100	230	
2	2785.000	-7.61	53.77	46.16	74.00	-27.84	peak	100	312	
3	5148.000	-2.51	50.49	47.98	74.00	-26.02	peak	100	340	

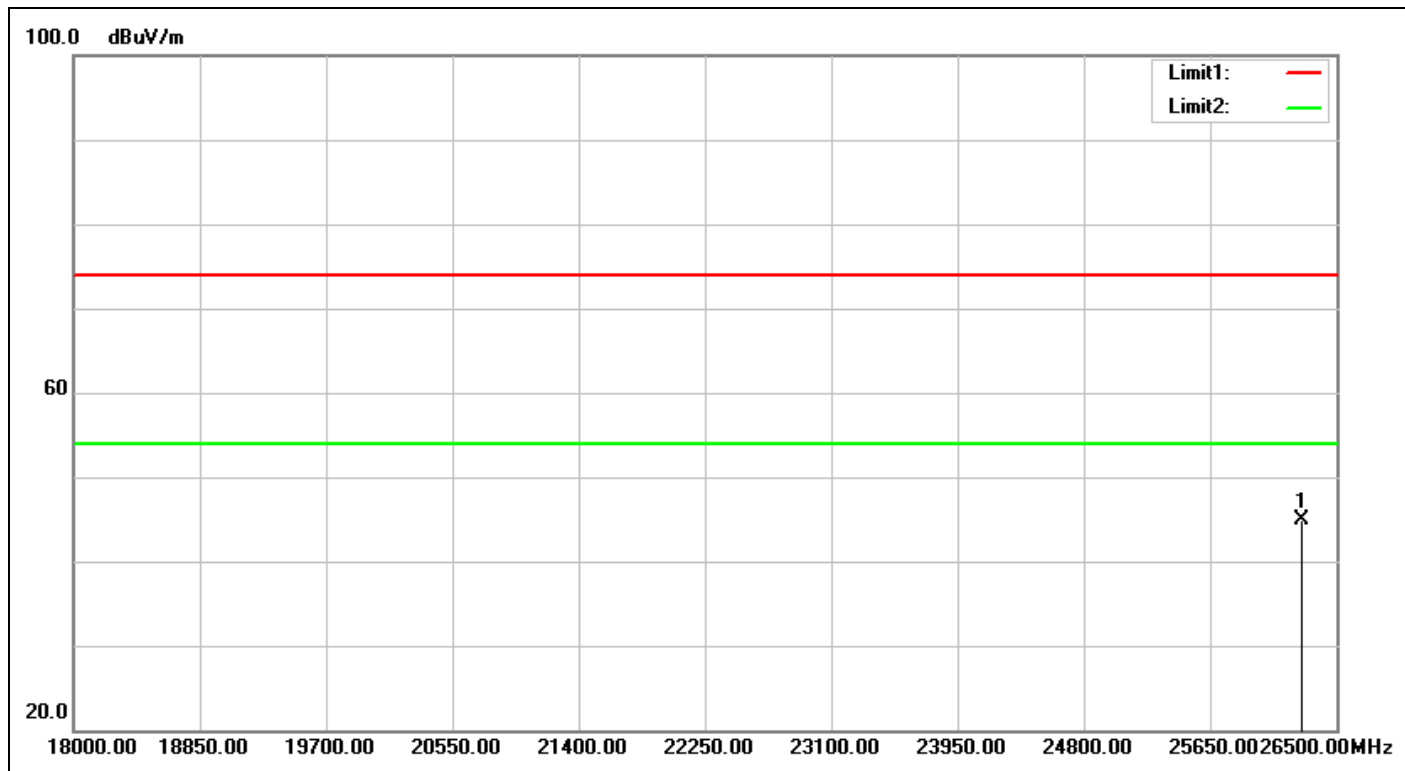
Spurious Emissions, RX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

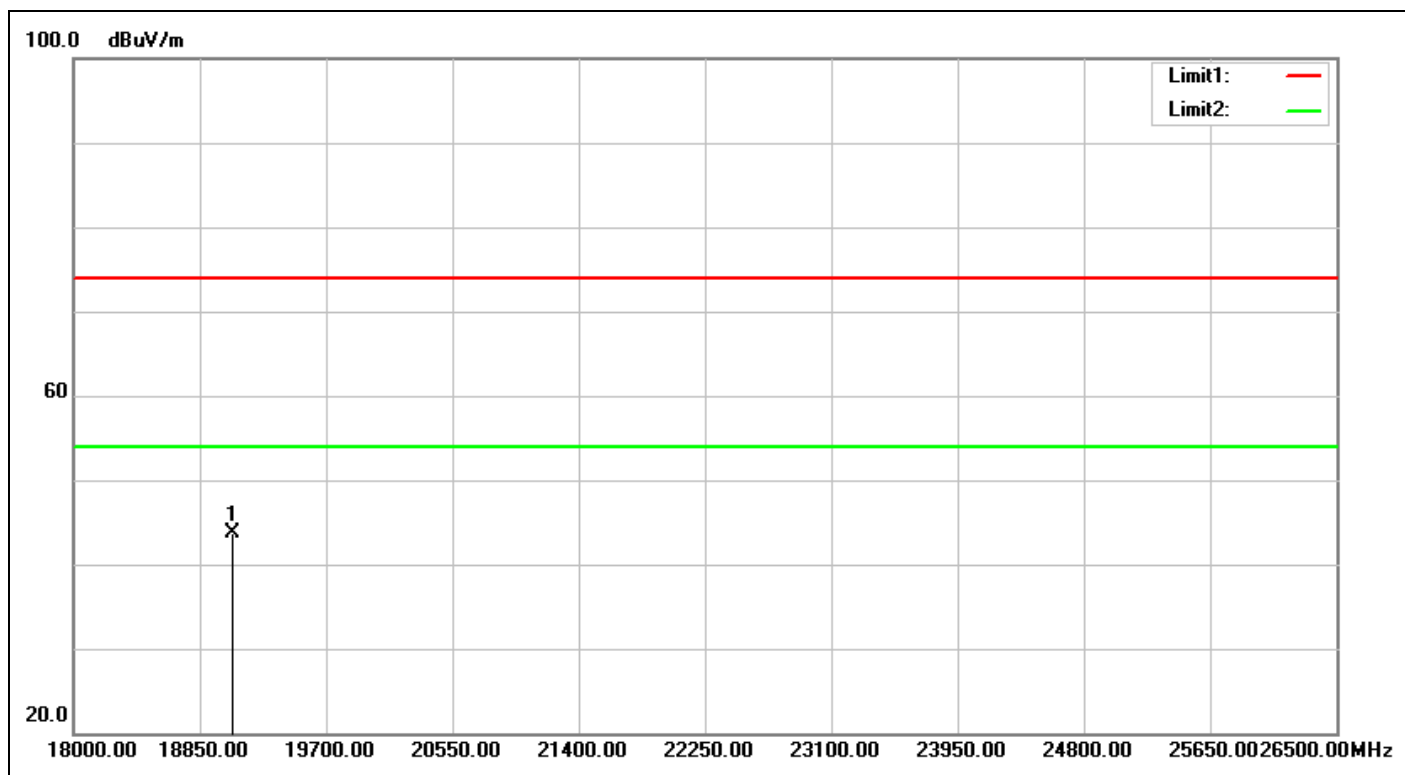
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 11:36:42
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	26270.500	5.63	39.34	44.97	74.00	-29.03	peak	100	250	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 11:37:35
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19071.000	3.83	39.97	43.80	74.00	-30.20	peak	100	73	

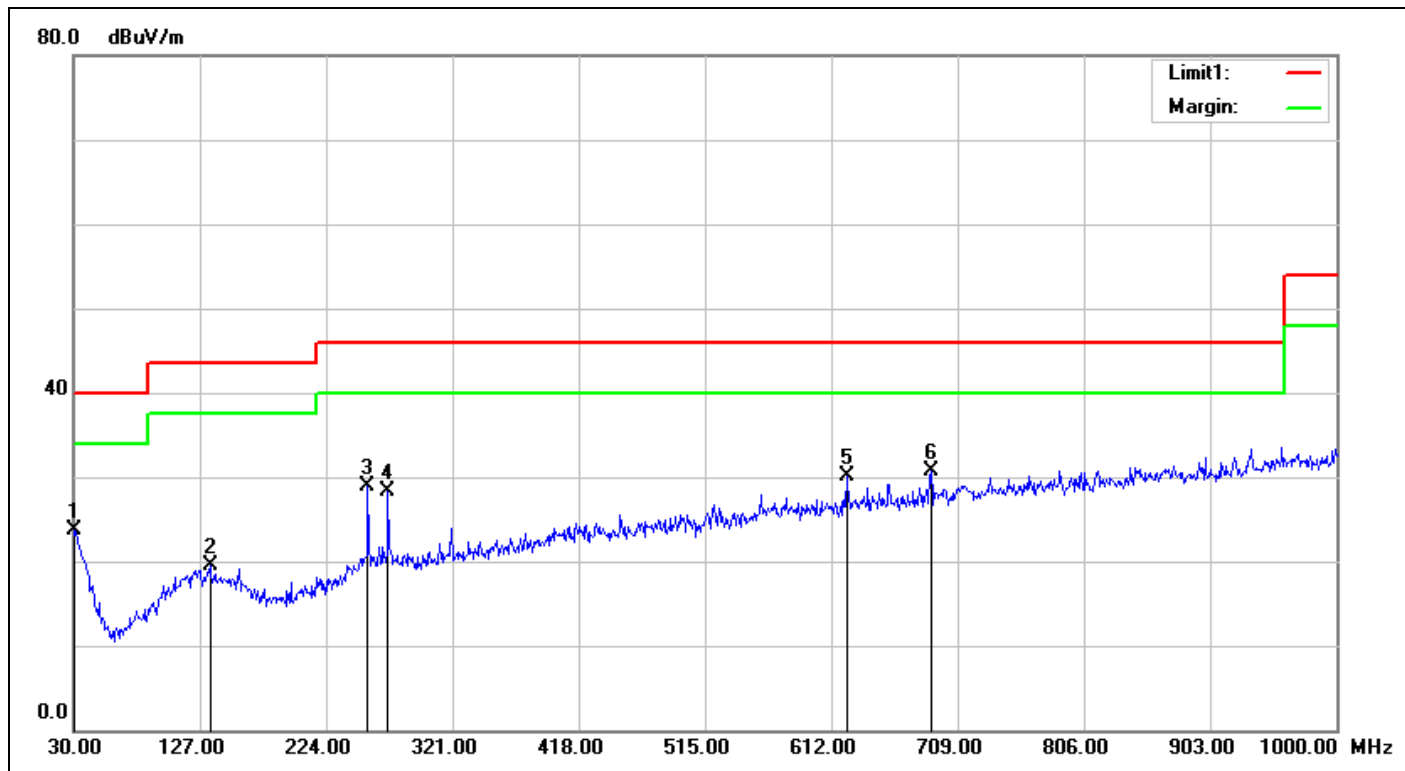
Spurious Emissions, RX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

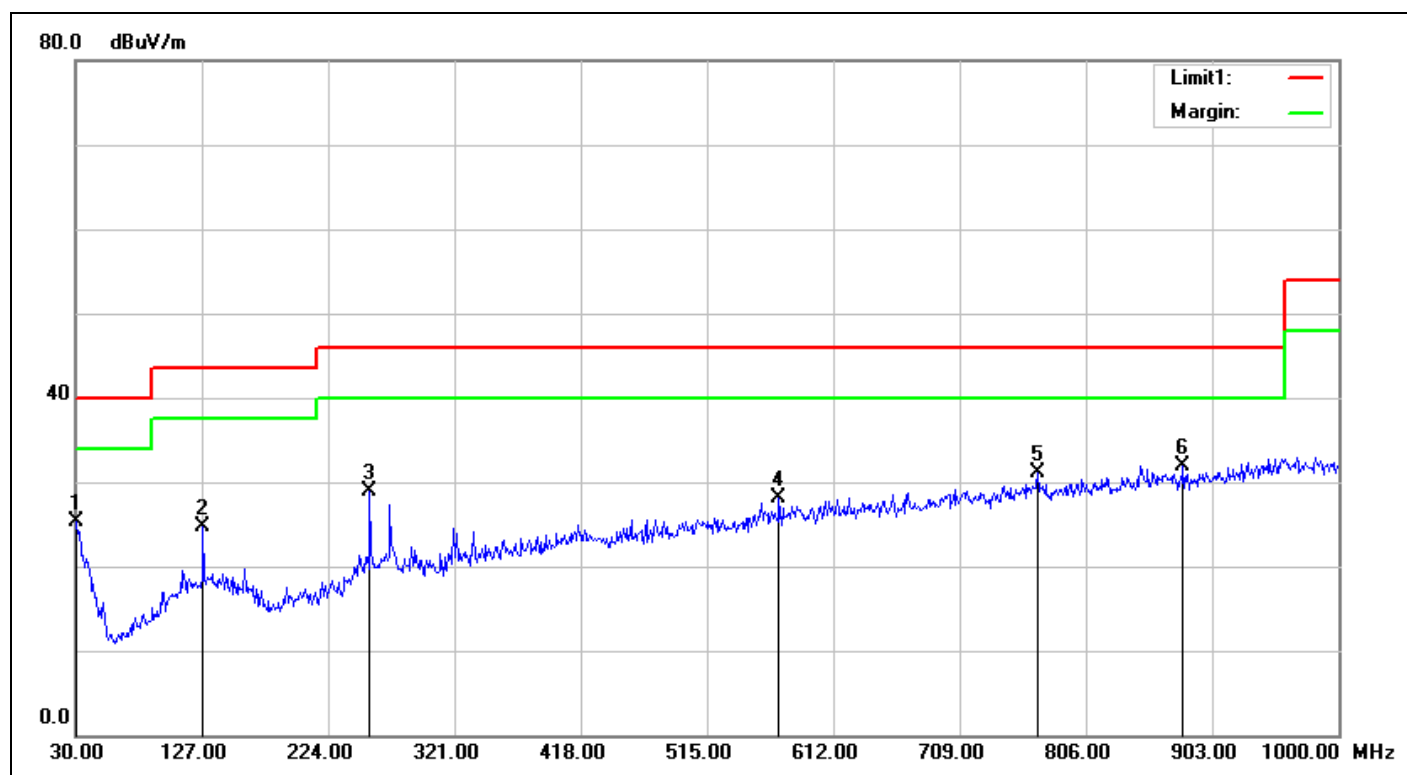
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2019/1/10 11:56:55
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.03	23.75	23.72	40.00	-16.28	QP	100	29	
2	134.7599	-6.94	26.39	19.45	43.50	-24.05	QP	100	39	
3	256.0099	-5.18	34.05	28.87	46.00	-17.13	QP	100	282	
4	271.5299	-5.29	33.52	28.23	46.00	-17.77	QP	100	92	
5	623.6399	0.52	29.60	30.12	46.00	-15.88	QP	100	210	
6	688.6299	1.31	29.33	30.64	46.00	-15.36	QP	100	181	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2019/1/10 11:57:48
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.03	25.26	25.23	40.00	-14.77	QP	100	2	
2	127.9700	-7.09	31.70	24.61	43.50	-18.89	QP	100	117	
3	256.0100	-5.18	34.09	28.91	46.00	-17.09	QP	100	360	
4	570.2900	0.14	28.04	28.18	46.00	-17.82	QP	100	123	
5	769.1400	2.74	28.39	31.13	46.00	-14.87	QP	100	25	
6	880.6900	4.06	27.88	31.94	46.00	-14.06	QP	100	202	

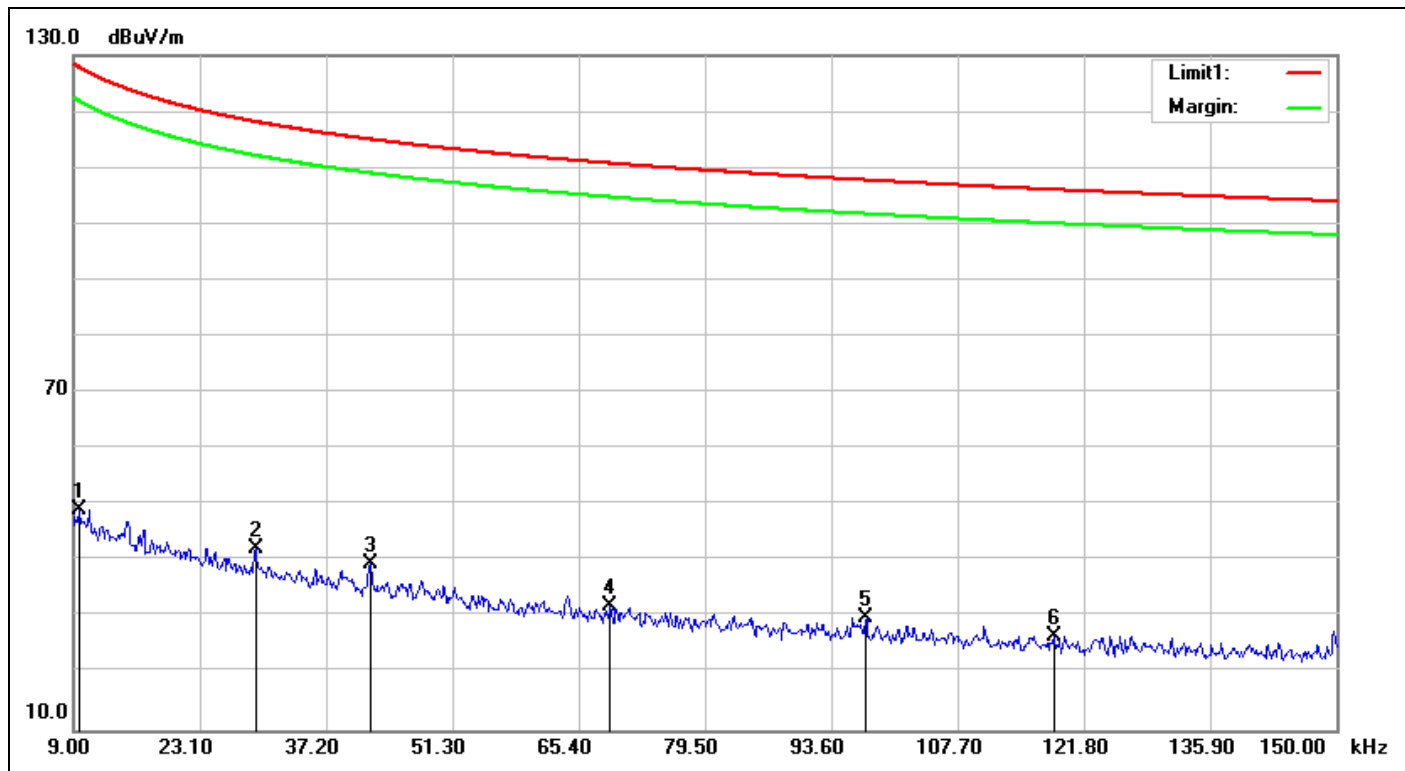
Spurious Emissions, RX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

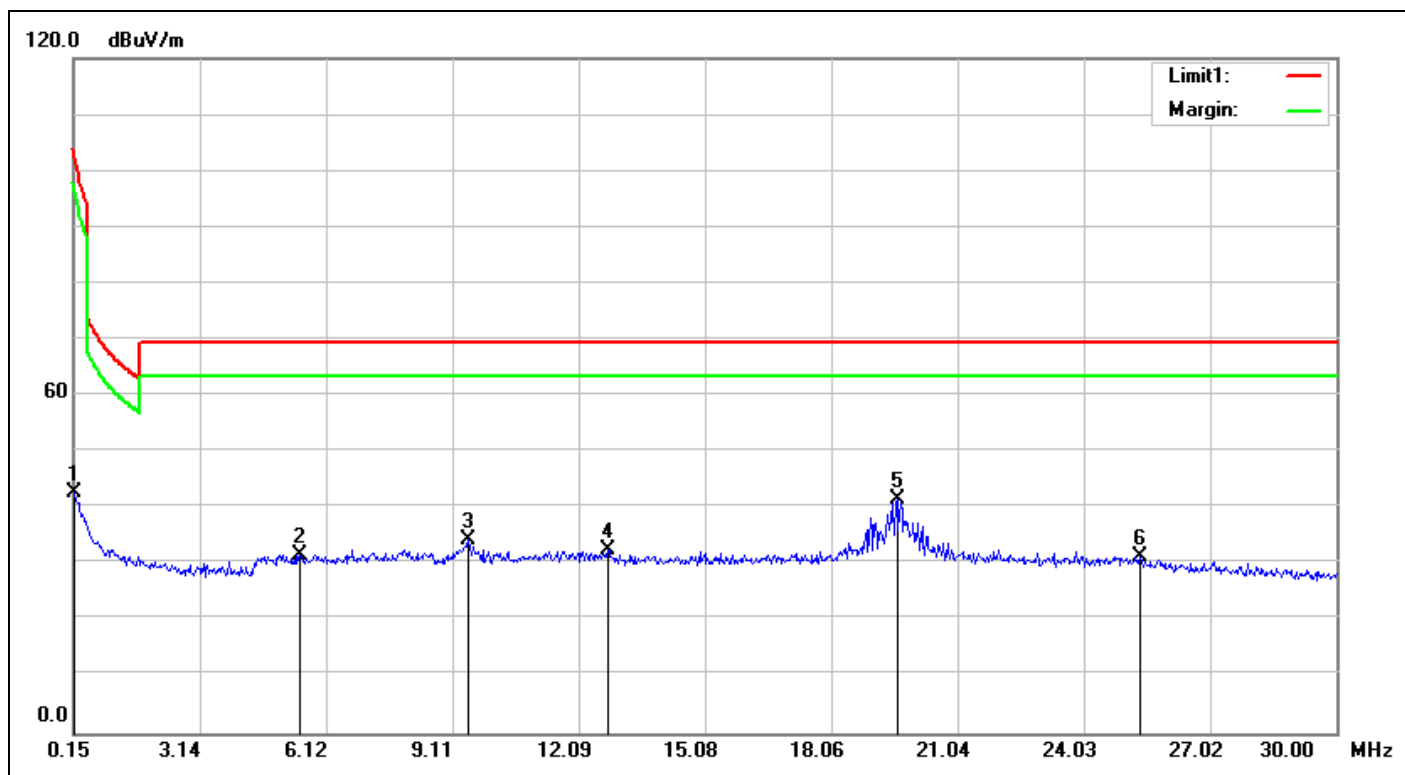
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2019/1/10 11:45:28
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%)	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0097	18.47	30.71	49.18	127.75	-78.57	QP	100	234	
2	0.0293	19.30	23.01	42.31	118.18	-75.87	QP	100	141	
3	0.0421	19.08	20.45	39.53	115.05	-75.52	QP	100	261	
4	0.0689	18.69	13.38	32.07	110.78	-78.71	QP	100	336	
5	0.0974	18.36	11.63	29.99	107.78	-77.79	QP	100	111	
6	0.1184	18.34	8.40	26.74	106.09	-79.35	QP	100	56	



Service No.:	114084845	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2019/1/10 11:46:38
Applicant:	Tong Lung	Test Rating:	DC 6V
Product:	KEYPAD ELECTRONIC BLE DEADBOLT LOCK	Temp.(°C)/Hum.(%):	20.9(°C)/56%
Model No.:	PLU-BT	Test Engineer:	Kevin Kuo
Test Mode:	RX-2440		
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	24.39	42.76	102.47	-59.71	QP	100	200	
2	5.4931	19.57	12.16	31.73	69.50	-37.77	QP	100	265	
3	9.4632	20.33	13.97	34.30	69.50	-35.20	QP	100	152	
4	12.7766	20.77	11.86	32.63	69.50	-36.87	QP	100	303	
5	19.6122	21.56	19.86	41.42	69.50	-28.08	QP	100	32	
6	25.3434	21.80	9.69	31.49	69.50	-38.01	QP	100	326	