

Test Report No.50160881 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50160881AppendixD)

Contents

Spurious Emissions, Band Edges, 2.35-2.5G 3

Spurious Emissions, TX Mode, 1-18G..... 8

Spurious Emissions, TX Mode, 18-26G..... 14

Spurious Emissions, TX Mode, 30M-1G 14

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

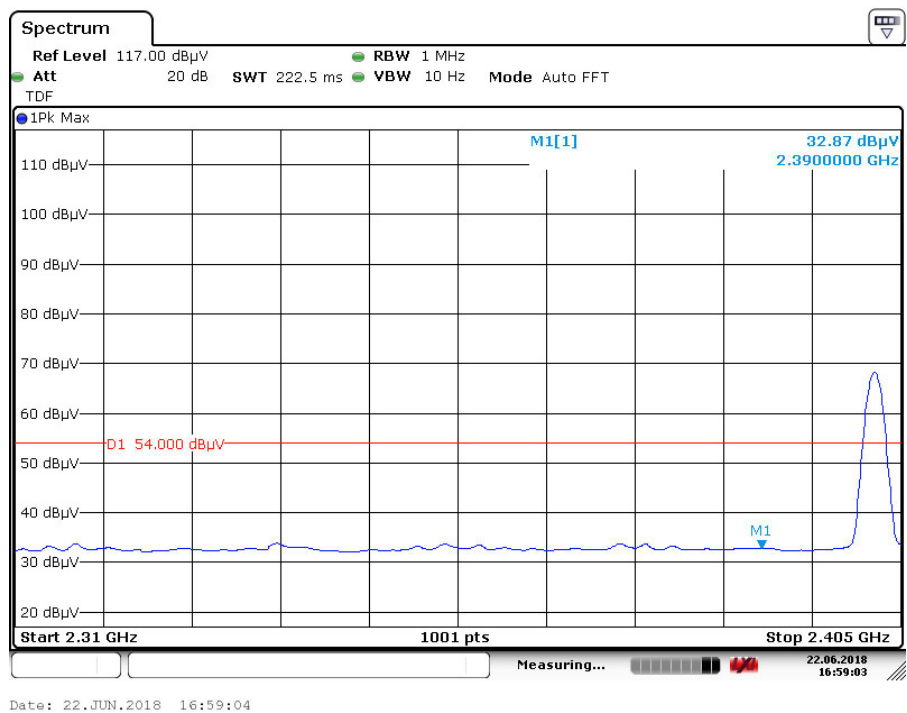
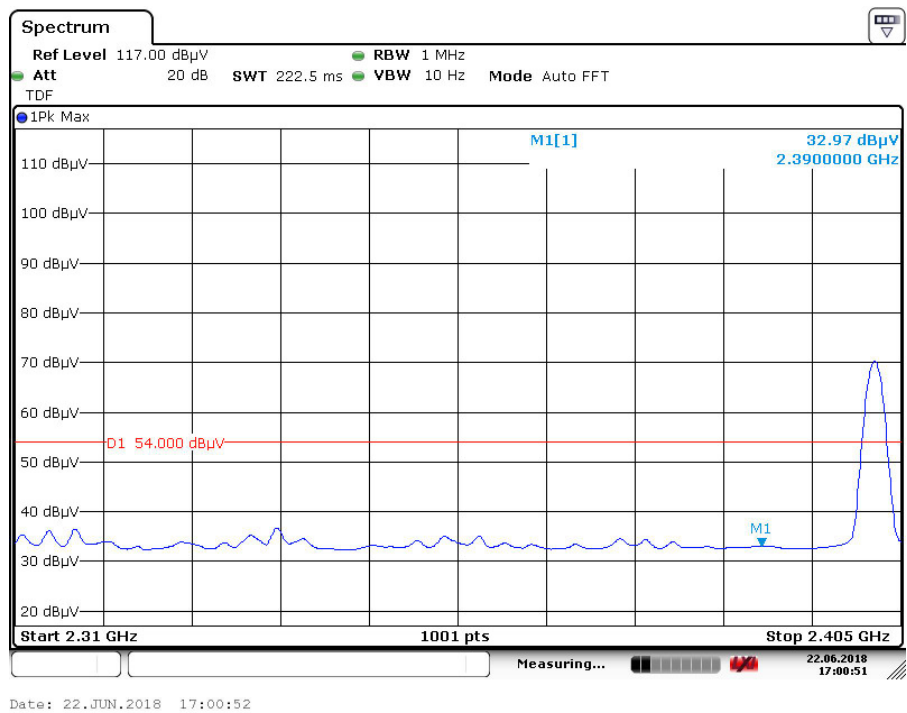
Spurious Emissions, RX Mode, 9K-30M 28

Mains 32

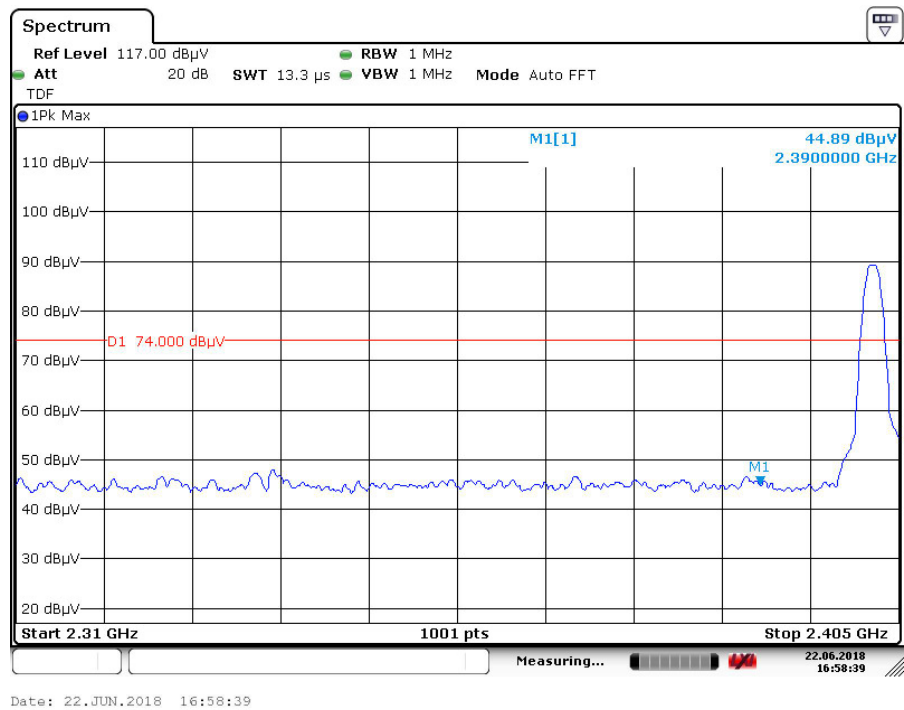
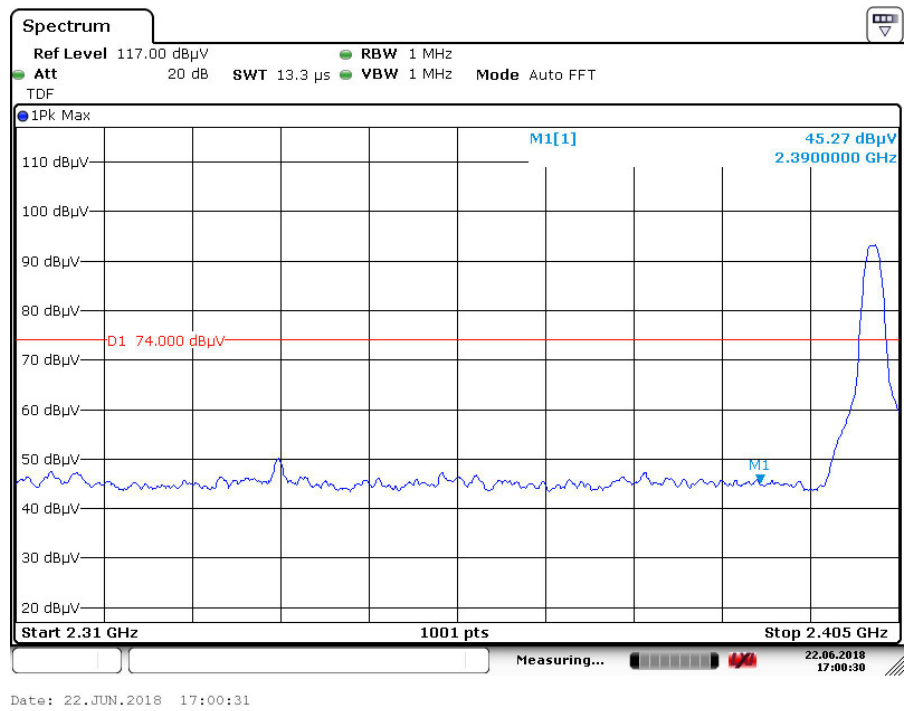
Spurious Emissions, Band Edges, 2.35-2.5G

Radiated Bandedge (GFSK)

Low Channel (Hor)

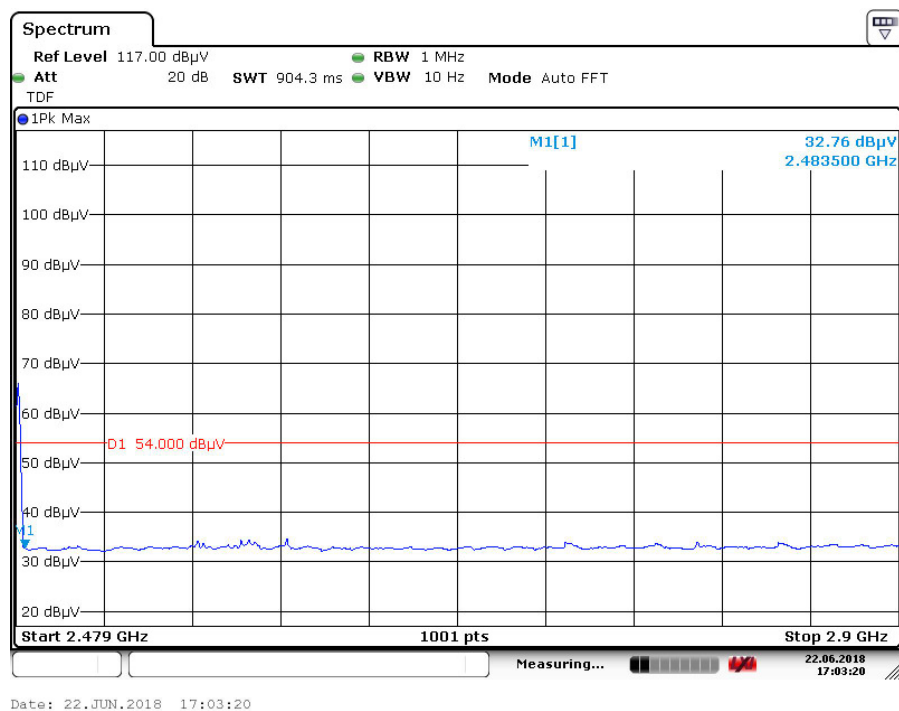
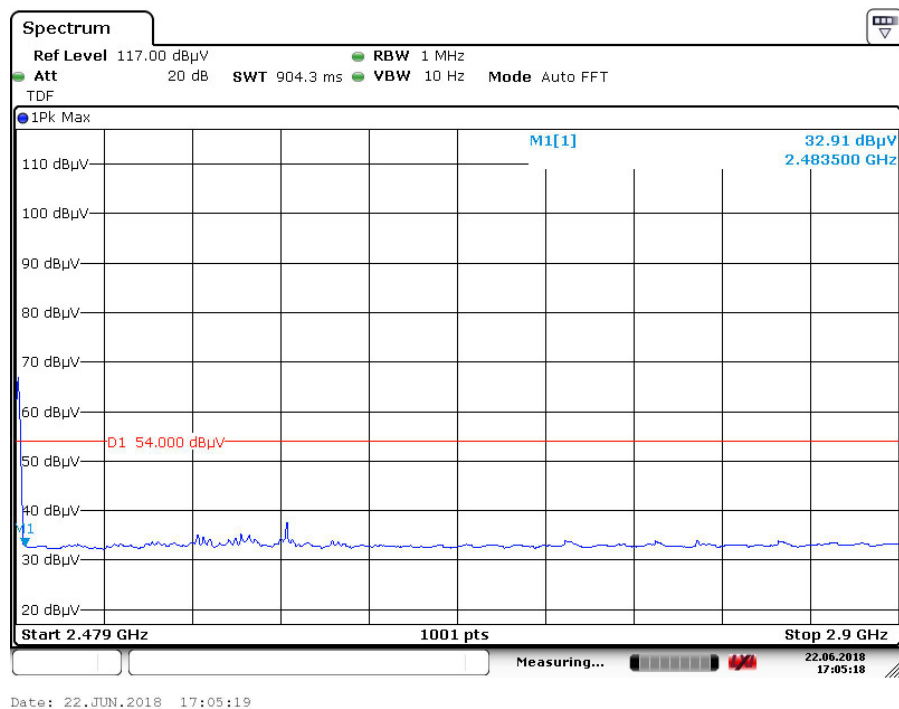


Low Channel (Ver)

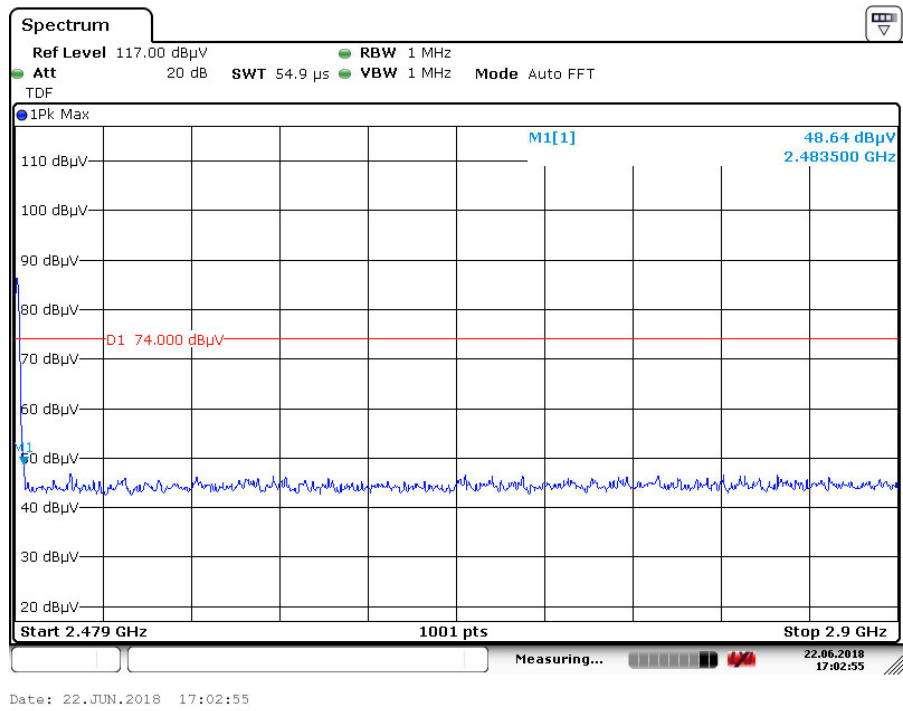
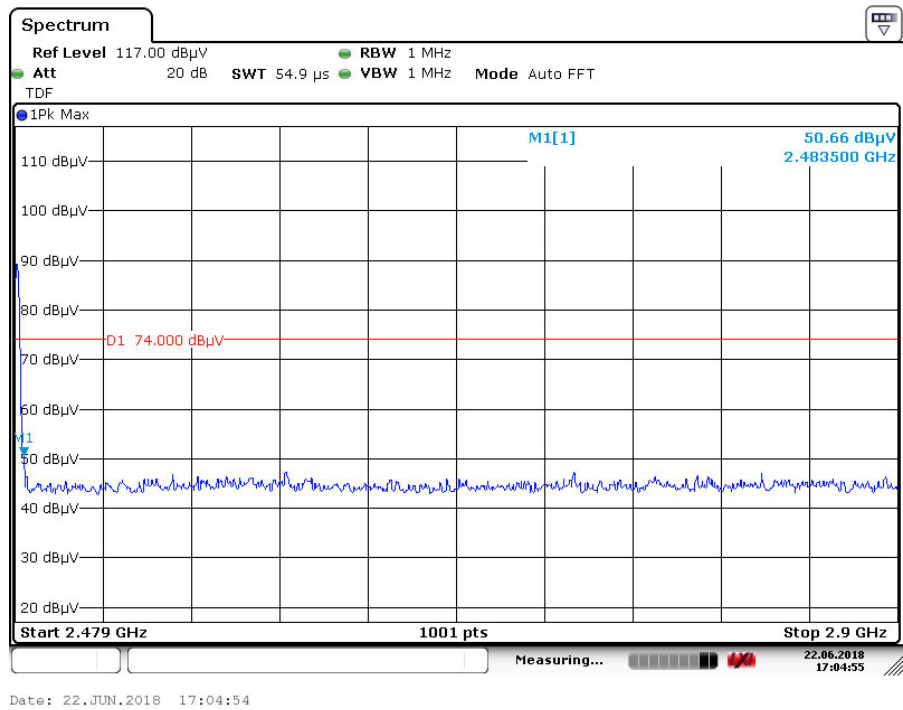


Radiated Bandedge (GFSK)

High Channel (Hor)



High Channel (Ver)



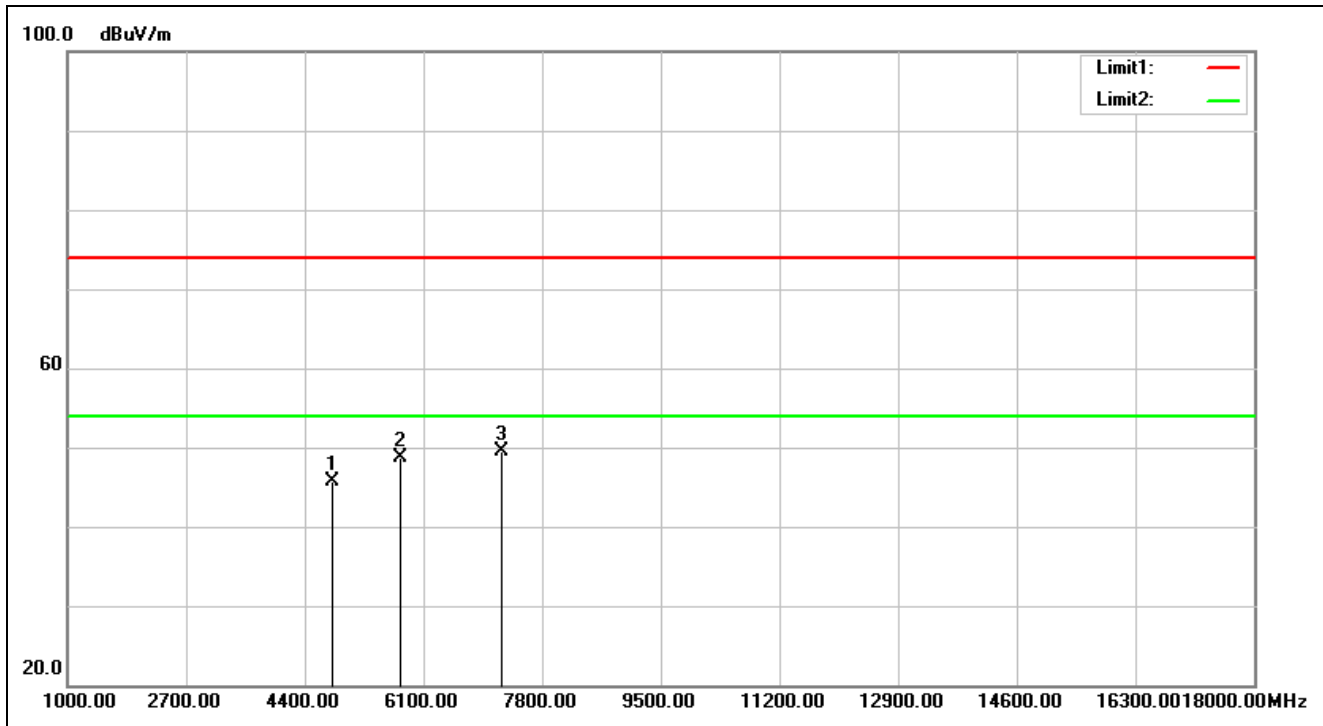
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

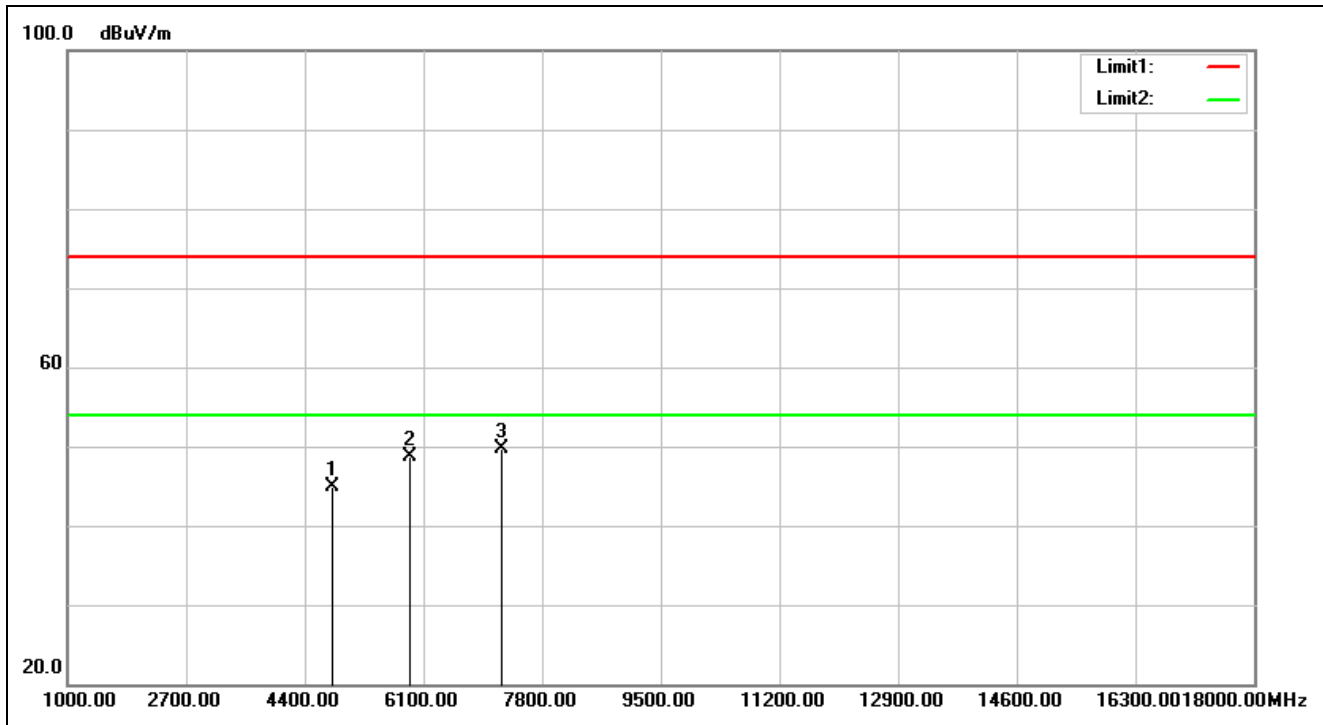
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



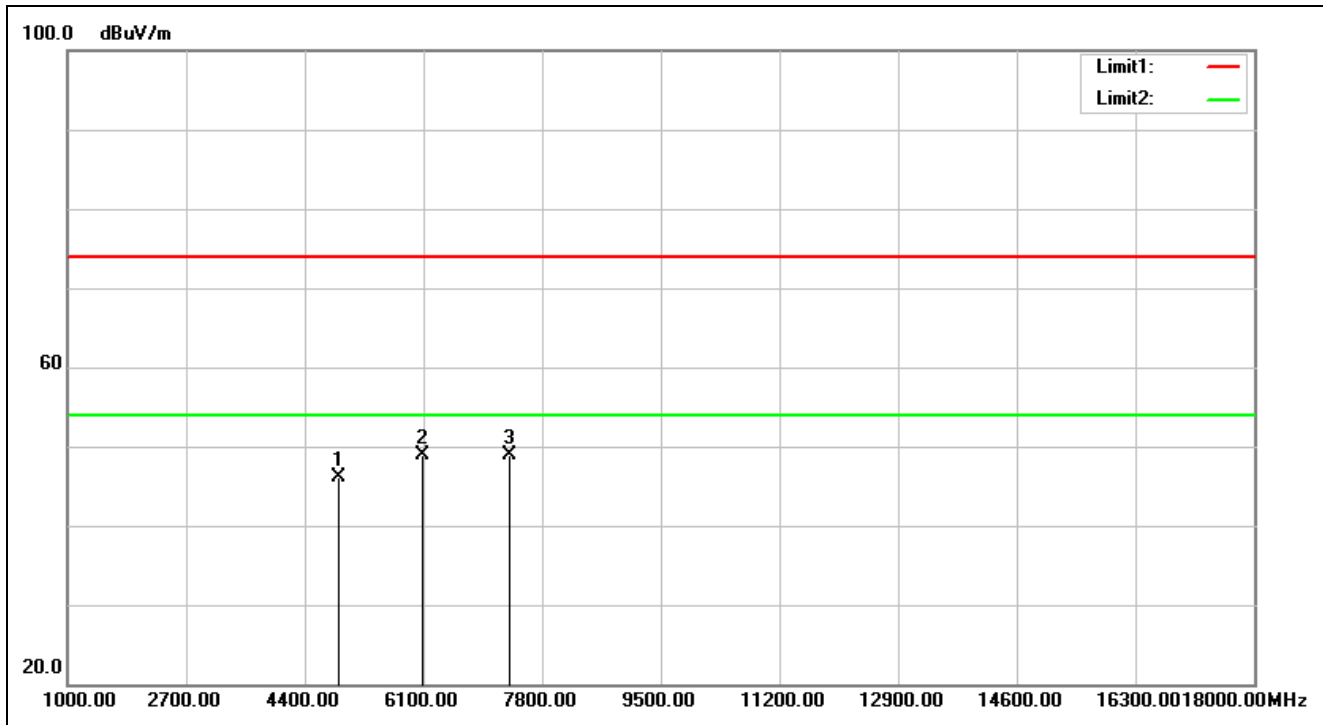
Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 16:58:51
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	Test Engineer:	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	-3.37	49.09	45.72	74.00	-28.28	peak	100	227	
2	5777.000	0.97	47.70	48.67	74.00	-25.33	peak	100	356	
3	7206.000	4.31	45.27	49.58	74.00	-24.42	peak	100	124	



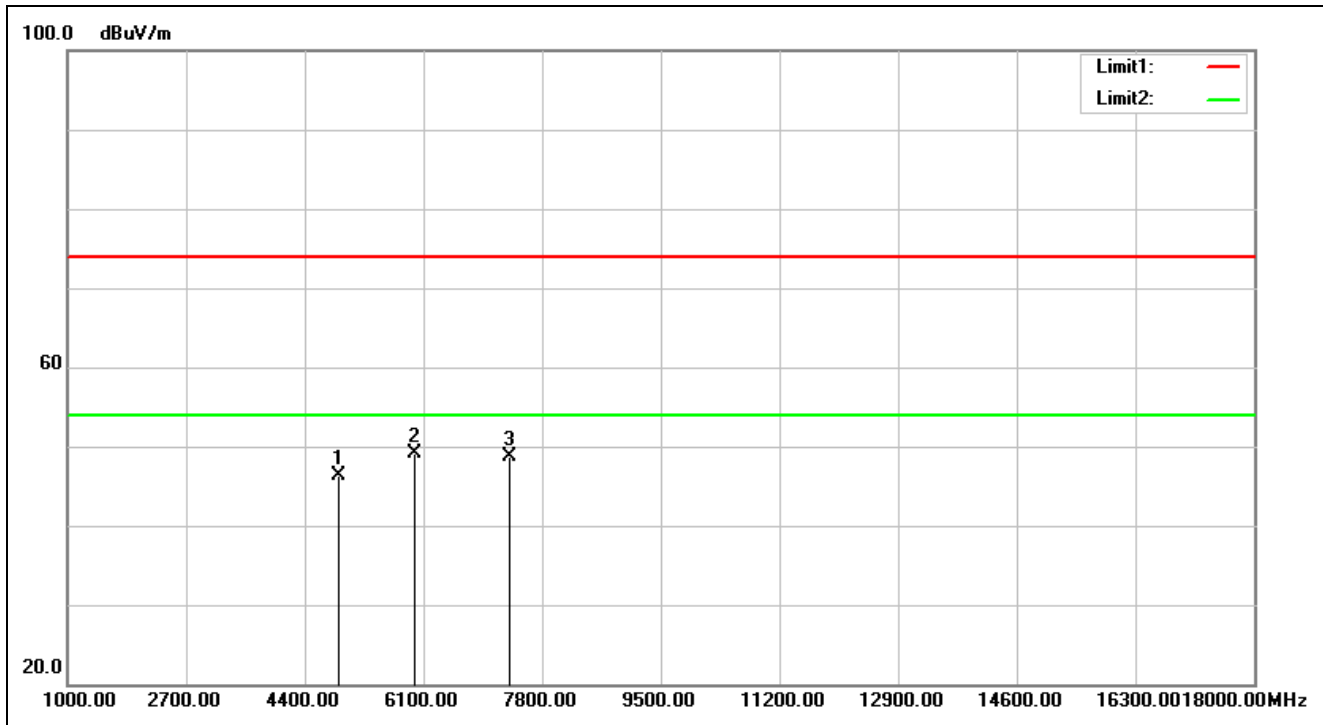
Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 16:59:54
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	Test Engineer:	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	-3.37	48.35	44.98	74.00	-29.02	peak	100	201	
2	5913.000	1.83	46.78	48.61	74.00	-25.39	peak	100	23	
3	7206.000	4.31	45.30	49.61	74.00	-24.39	peak	100	112	



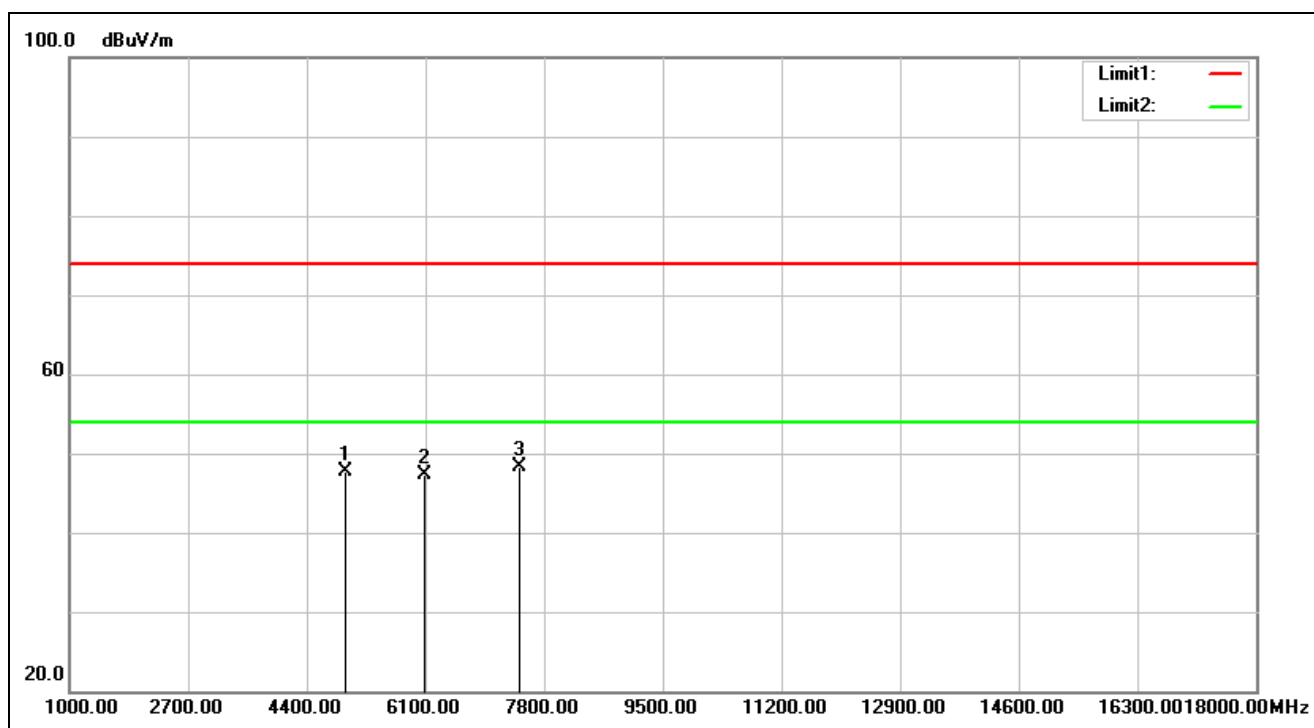
Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 17:01:52
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	Test Engineer:	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	-3.25	49.27	46.02	74.00	-27.98	peak	100	334	
2	6083.000	2.72	46.16	48.88	74.00	-25.12	peak	100	360	
3	7320.000	4.57	44.42	48.99	74.00	-25.01	peak	100	219	



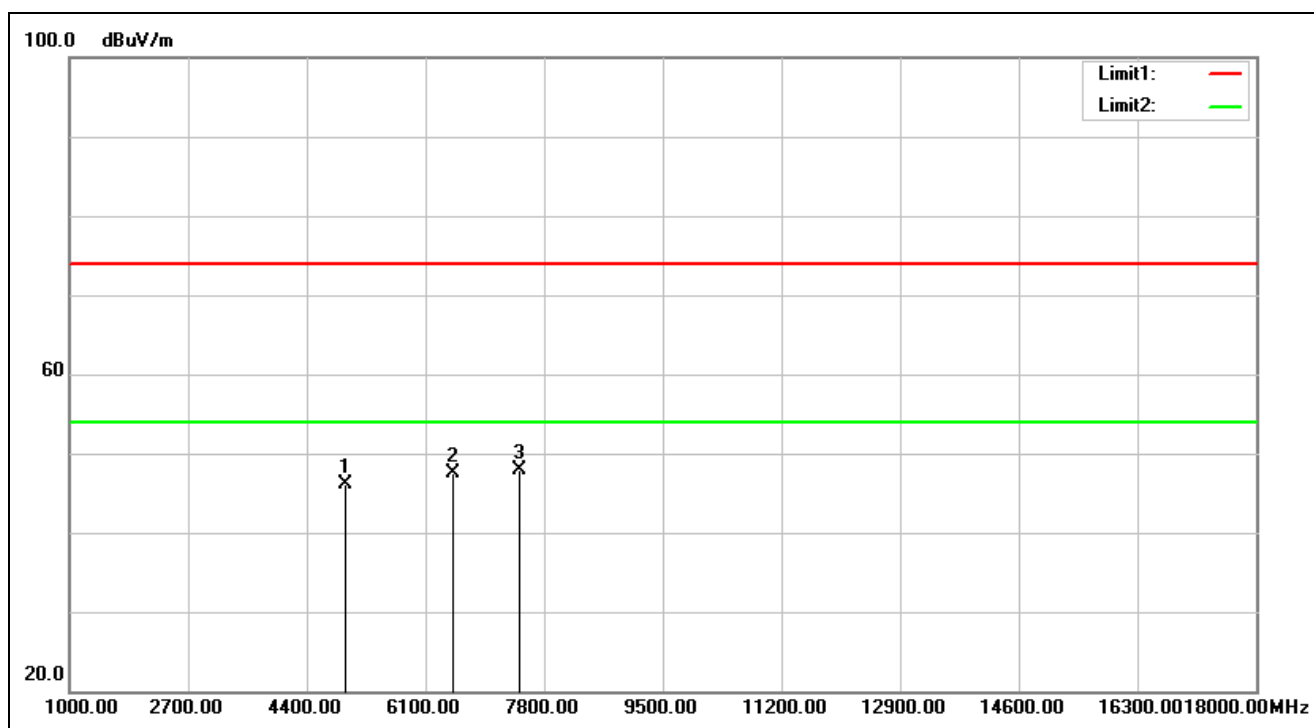
Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 17:02:55
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	Test Engineer:	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	-3.25	49.49	46.24	74.00	-27.76	peak	100	105	
2	5964.000	2.15	46.97	49.12	74.00	-24.88	peak	100	106	
3	7320.000	4.57	44.04	48.61	74.00	-25.39	peak	100	223	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 17:04:53
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	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	-3.12	50.83	47.71	74.00	-26.29	peak	100	144	
2	6083.000	2.72	44.49	47.21	74.00	-26.79	peak	100	193	
3	7440.000	4.85	43.41	48.26	74.00	-25.74	peak	100	178	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 17:05:55
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	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	-3.12	49.32	46.20	74.00	-27.80	peak	100	102	
2	6491.000	4.43	43.12	47.55	74.00	-26.45	peak	100	297	
3	7440.000	4.85	43.01	47.86	74.00	-26.14	peak	100	265	

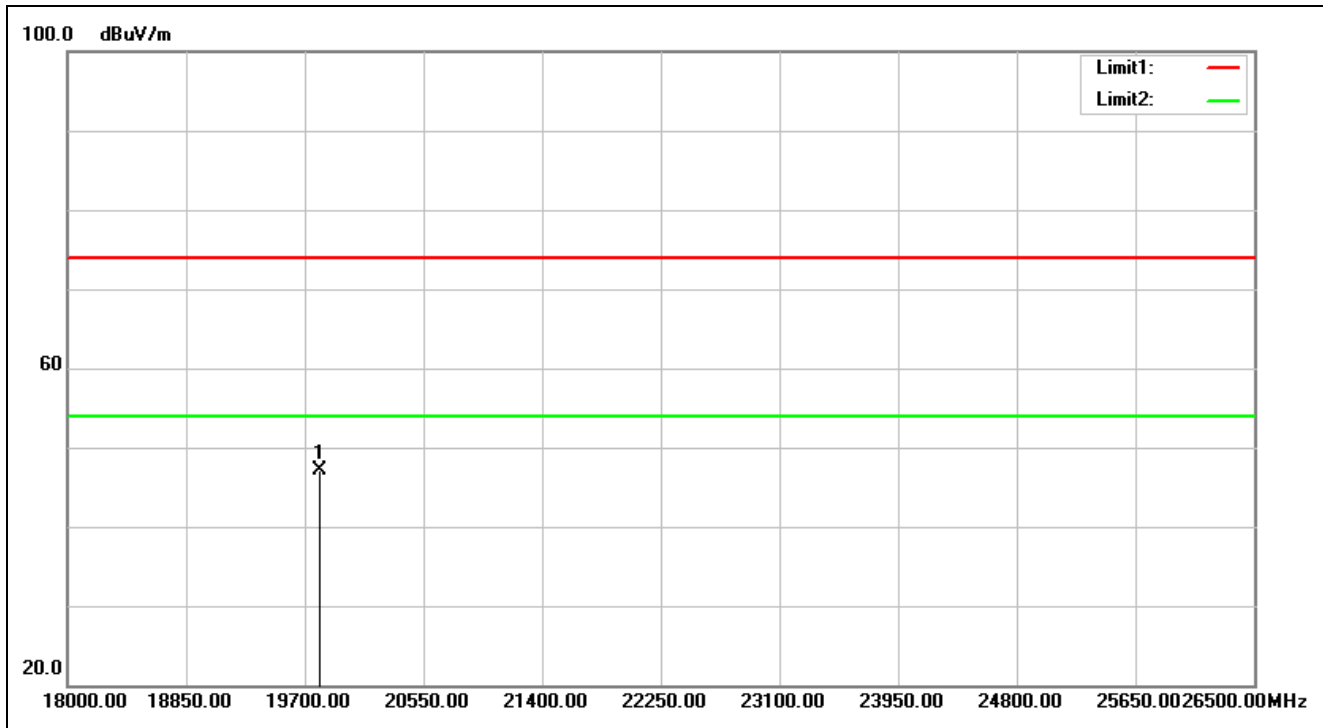
Spurious Emissions, TX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

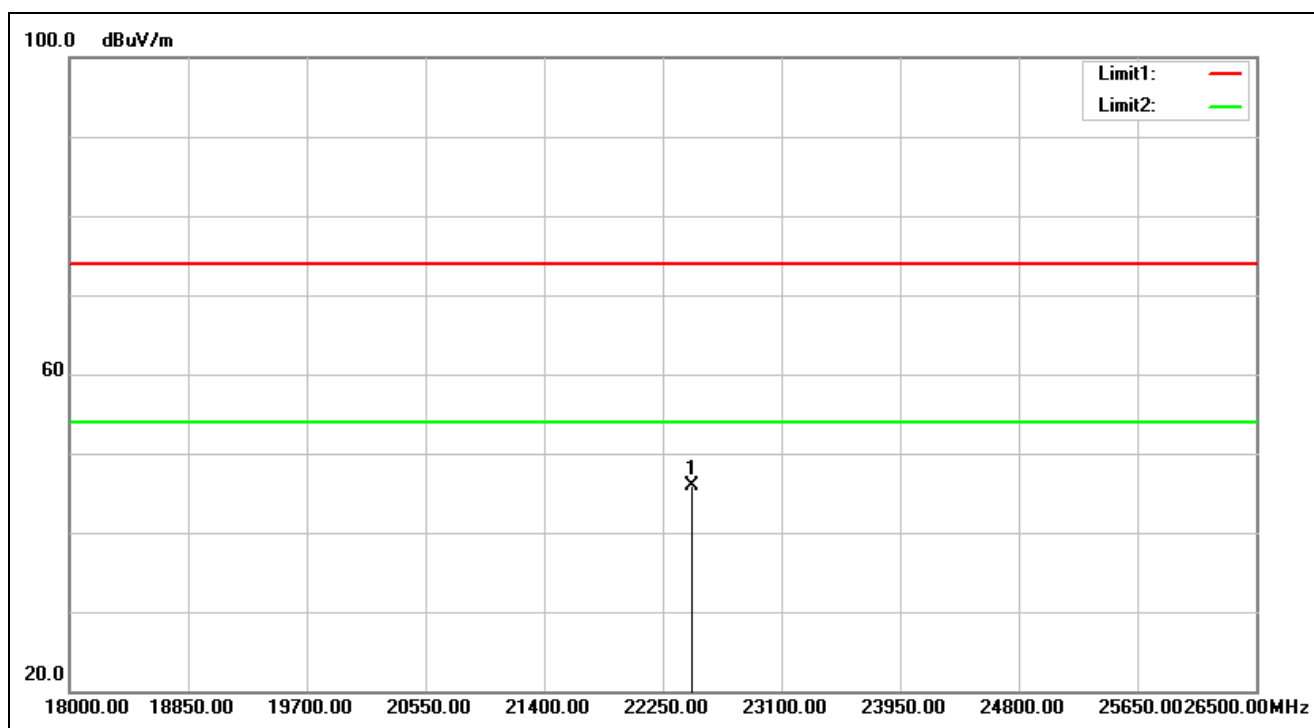
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



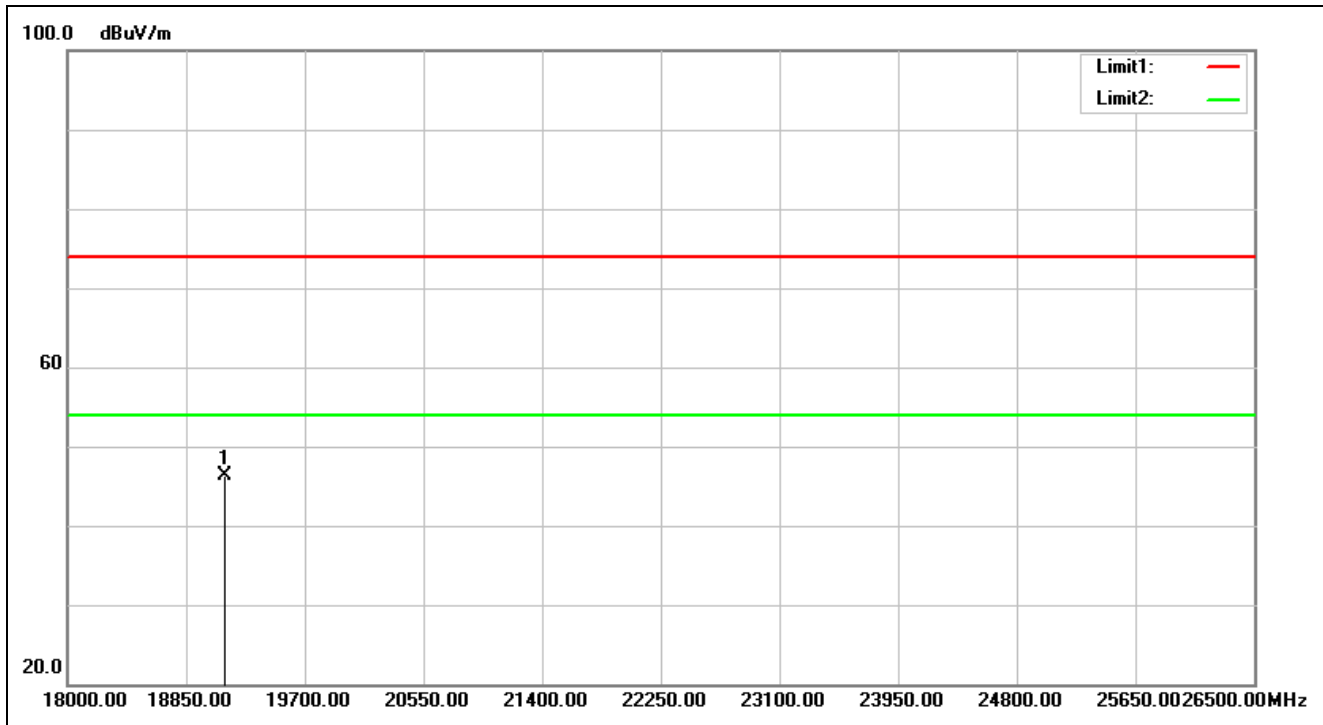
Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 17:24:06
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	20(°C)/49%
Model No.:	TS6001BT	Test Engineer:	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	19810.500	3.87	43.24	47.11	74.00	-26.89	peak	100	105	



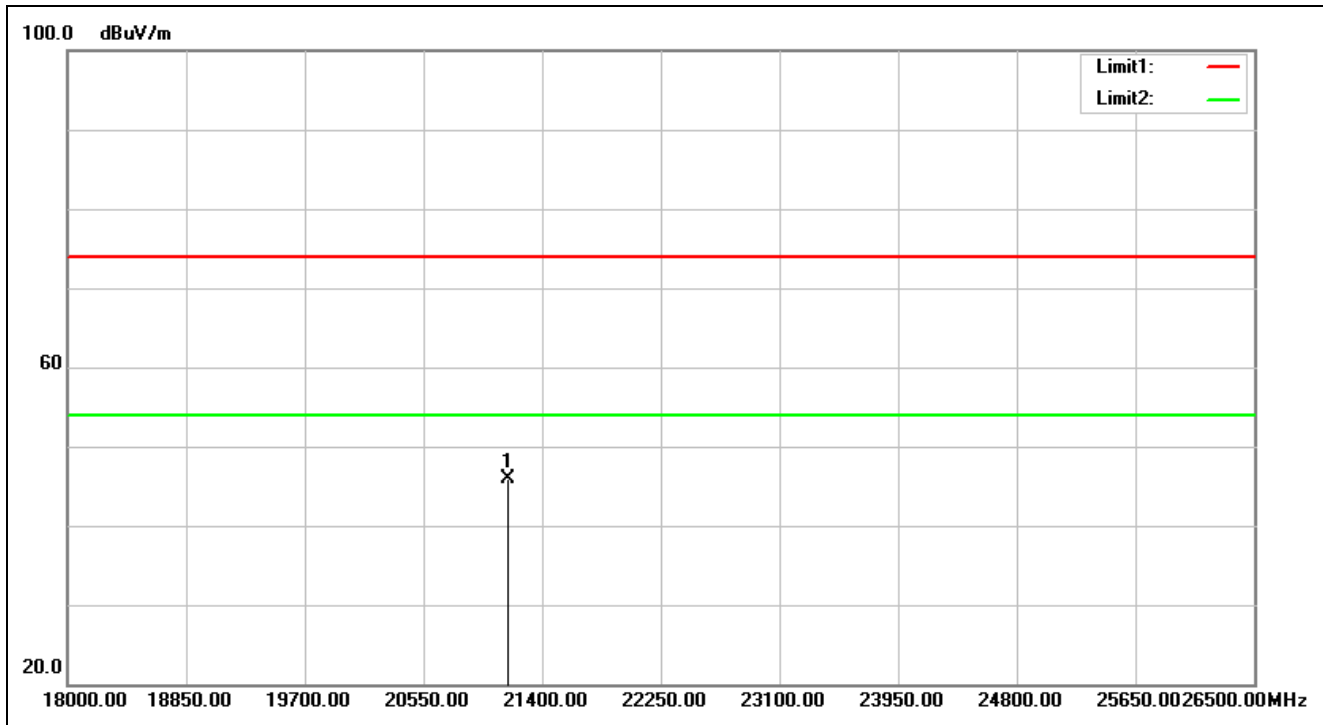
Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 17:25:08
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	Test Engineer:	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	22462.500	4.42	41.39	45.81	74.00	-28.19	peak	100	200	



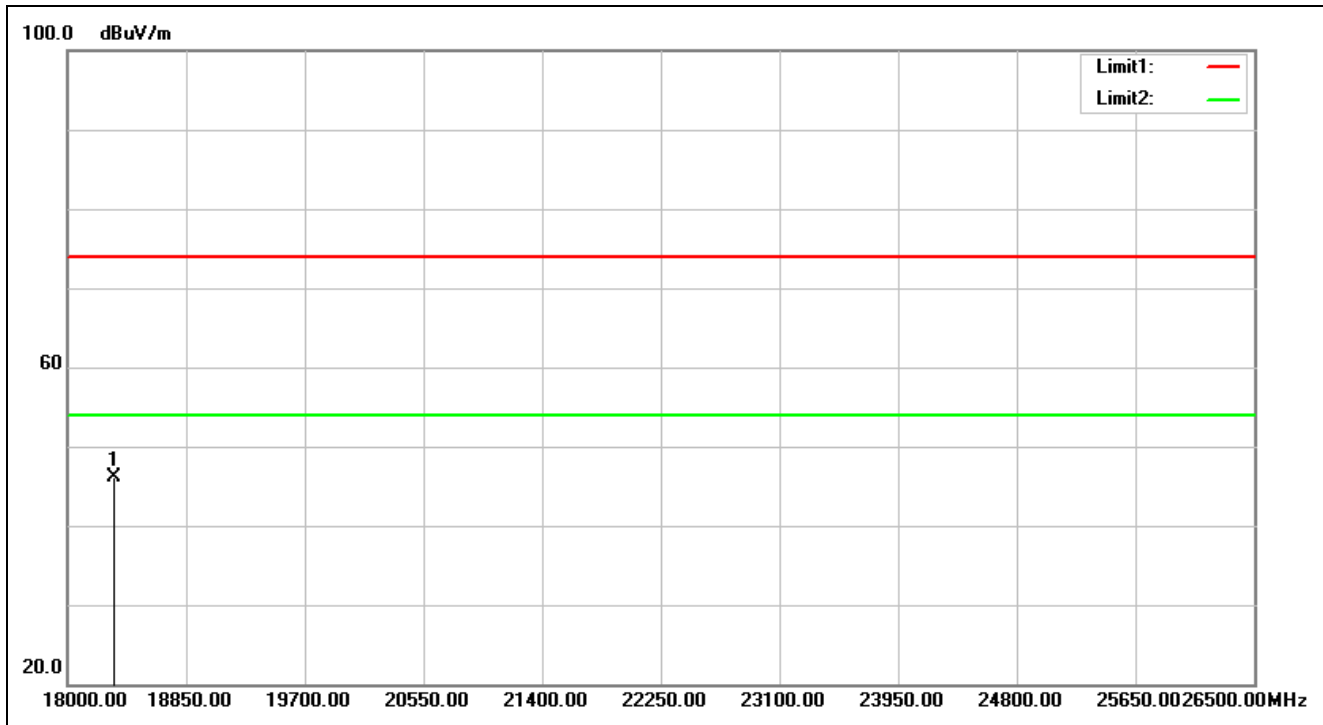
Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 17:26:51
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	20(°C)/49%
Model No.:	TS6001BT	Test Engineer:	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	19130.500	4.07	42.16	46.23	74.00	-27.77	peak	100	265	



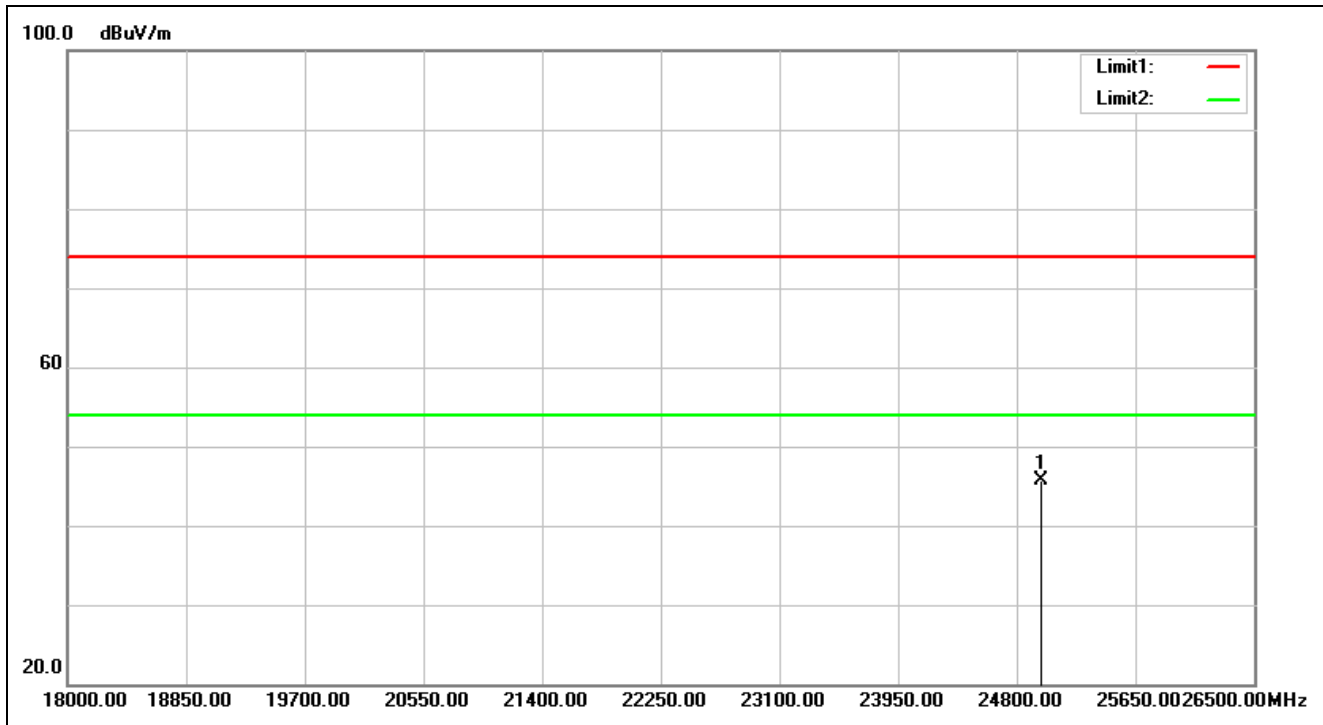
Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 17:27:54
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	Test Engineer:	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	21153.500	4.47	41.43	45.90	74.00	-28.10	peak	100	121	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 17:31:54
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	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	18331.500	3.95	42.08	46.03	74.00	-27.97	peak	100	42	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 17:27:54
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	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	24978.500	4.74	40.91	45.65	74.00	-28.35	peak	100	203	

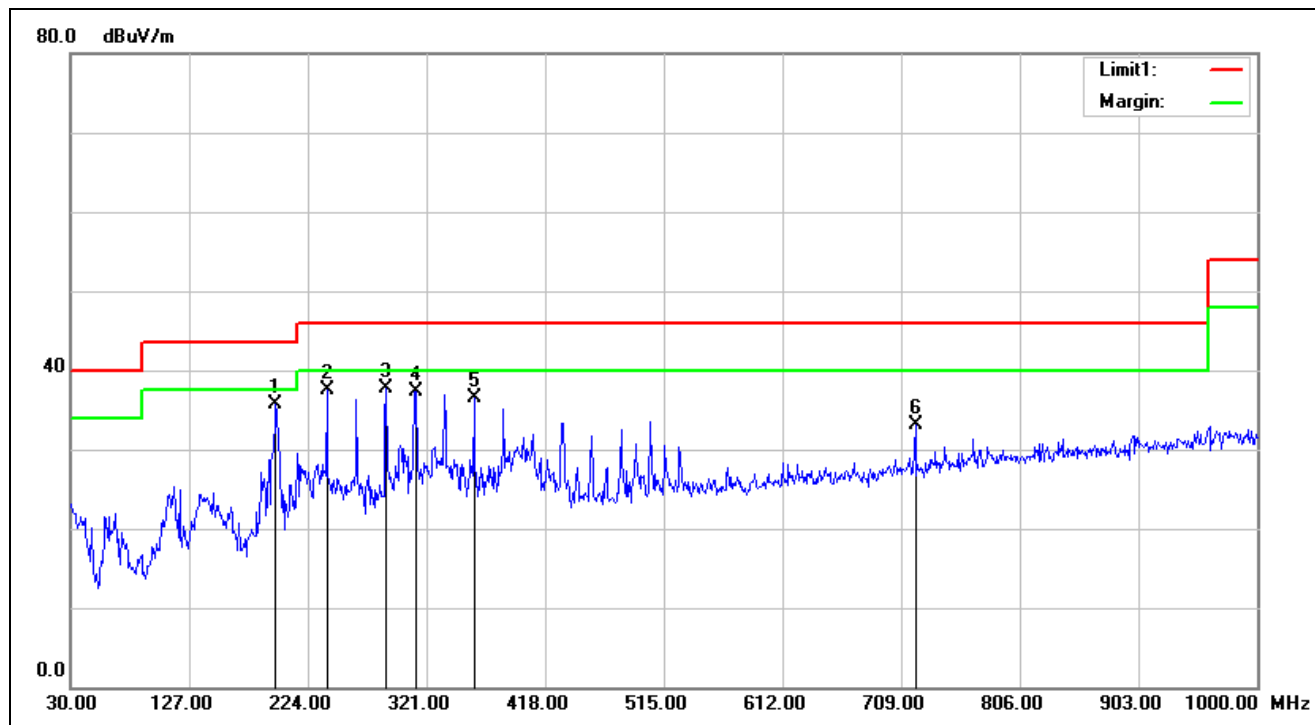
Spurious Emissions, TX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

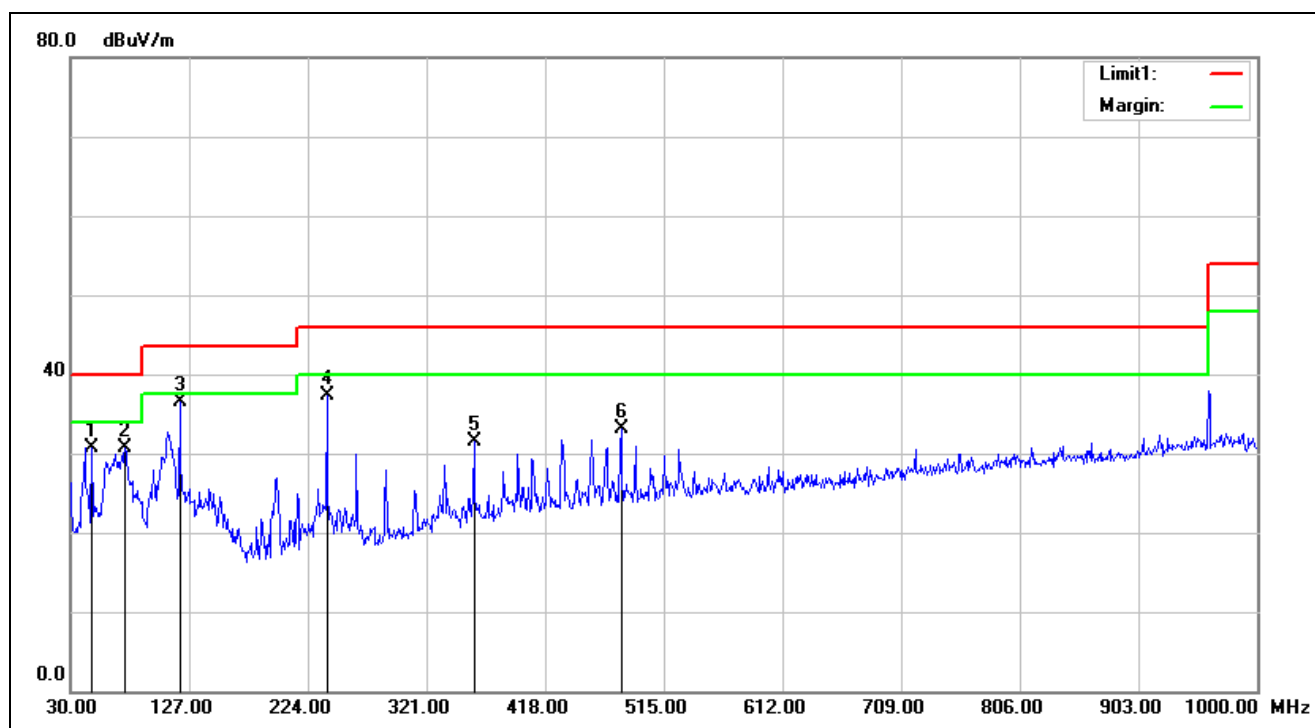
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 18:41:17
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	20(°C)/49%
Model No.:	TS6001BT	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	197.8100	-8.96	44.72	35.76	43.50	-7.74	QP	100	51	
2	239.5200	-6.77	44.22	37.45	46.00	-8.55	QP	100	136	
3	288.0199	-4.77	42.51	37.74	46.00	-8.26	QP	100	40	
4	312.2699	-4.16	41.53	37.37	46.00	-8.63	QP	100	75	
5	359.8000	-3.05	39.55	36.50	46.00	-9.50	QP	100	82	
6	720.6399	1.89	31.16	33.05	46.00	-12.95	QP	100	274	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 18:42:21
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	20(°C)/49%
Model No.:	TS6001BT	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	47.4600	-10.04	40.82	30.78	40.00	-9.22	QP	100	229	
2	74.6200	-12.58	43.32	30.74	40.00	-9.26	QP	100	190	
3	119.2400	-7.44	44.01	36.57	43.50	-6.93	QP	100	248	
4	239.5200	-6.77	44.00	37.23	46.00	-8.77	QP	100	323	
5	359.8000	-3.05	34.49	31.44	46.00	-14.56	QP	100	131	
6	480.0800	-1.33	34.36	33.03	46.00	-12.97	QP	100	147	

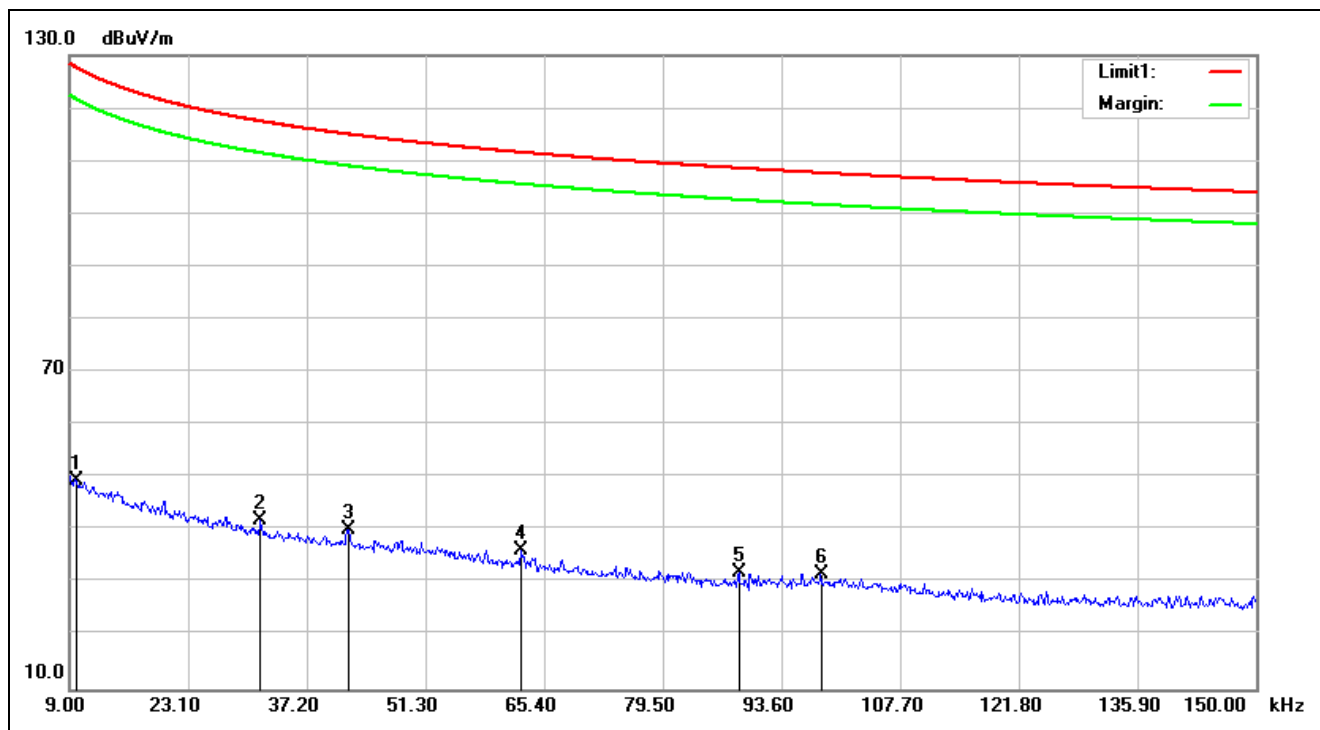
Spurious Emissions, TX Mode, 9k-30M



TUV Rheinland Taiwan Ltd.

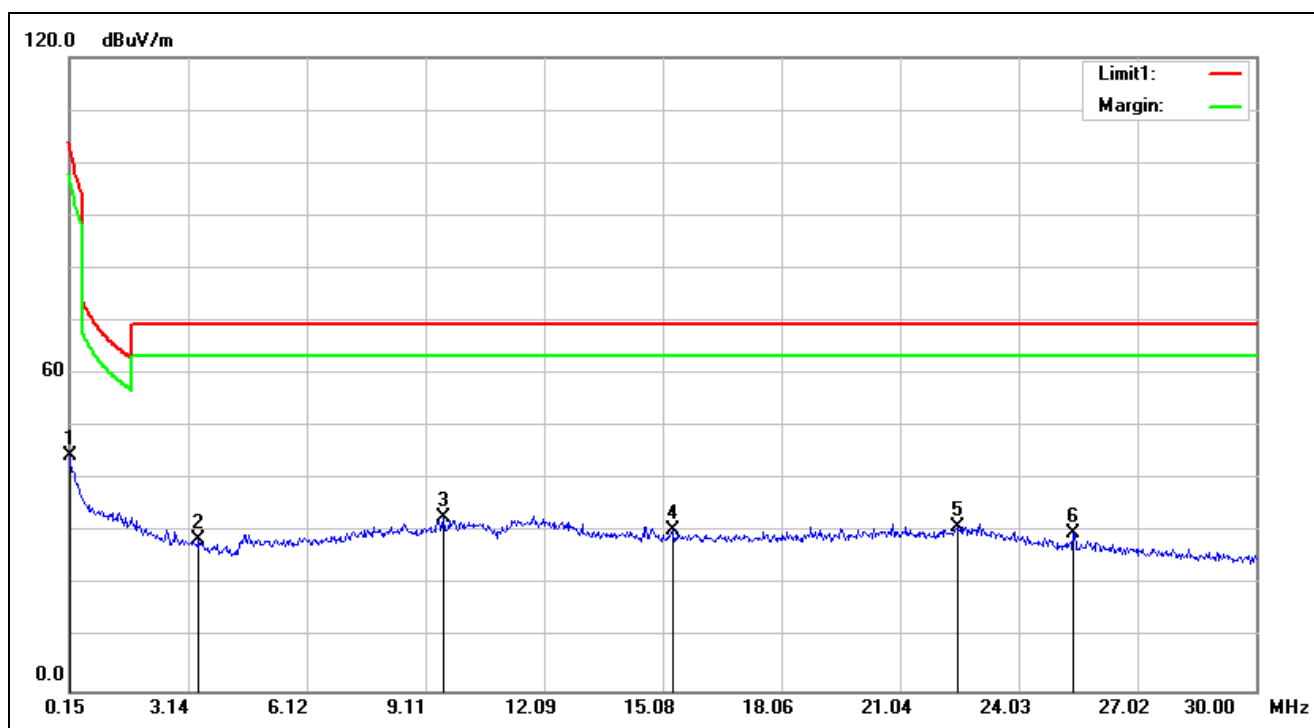
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	N/A
Test item:	Radiation Emission	Test Time:	2018/6/27 19:56:37
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	21(°C)/54%
Model No.:	TS6001BT	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	18.49	30.87	49.36	127.67	-78.31	QP	100	128	
2	0.0317	19.29	22.72	42.01	117.50	-75.49	QP	100	334	
3	0.0421	19.09	21.18	40.27	115.05	-74.78	QP	100	36	
4	0.0626	18.78	17.44	36.22	111.61	-75.39	QP	100	24	
5	0.0885	18.47	13.61	32.08	108.61	-76.53	QP	100	114	
6	0.0983	18.35	13.26	31.61	107.71	-76.10	QP	100	201	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	N/A
Test item:	Radiation Emission	Test Time:	2018/6/27 19:58:08
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	21(°C)/54%
Model No.:	TS6001BT	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	26.18	44.53	104.05	-59.52	QP	100	221	
2	3.4036	18.71	10.06	28.77	69.50	-40.73	QP	100	14	
3	9.5527	20.33	12.38	32.71	69.50	-36.79	QP	100	117	
4	15.3138	21.04	9.29	30.33	69.50	-39.17	QP	100	25	
5	22.5077	21.68	9.31	30.99	69.50	-38.51	QP	100	67	
6	25.4031	21.78	8.07	29.85	69.50	-39.65	QP	100	108	

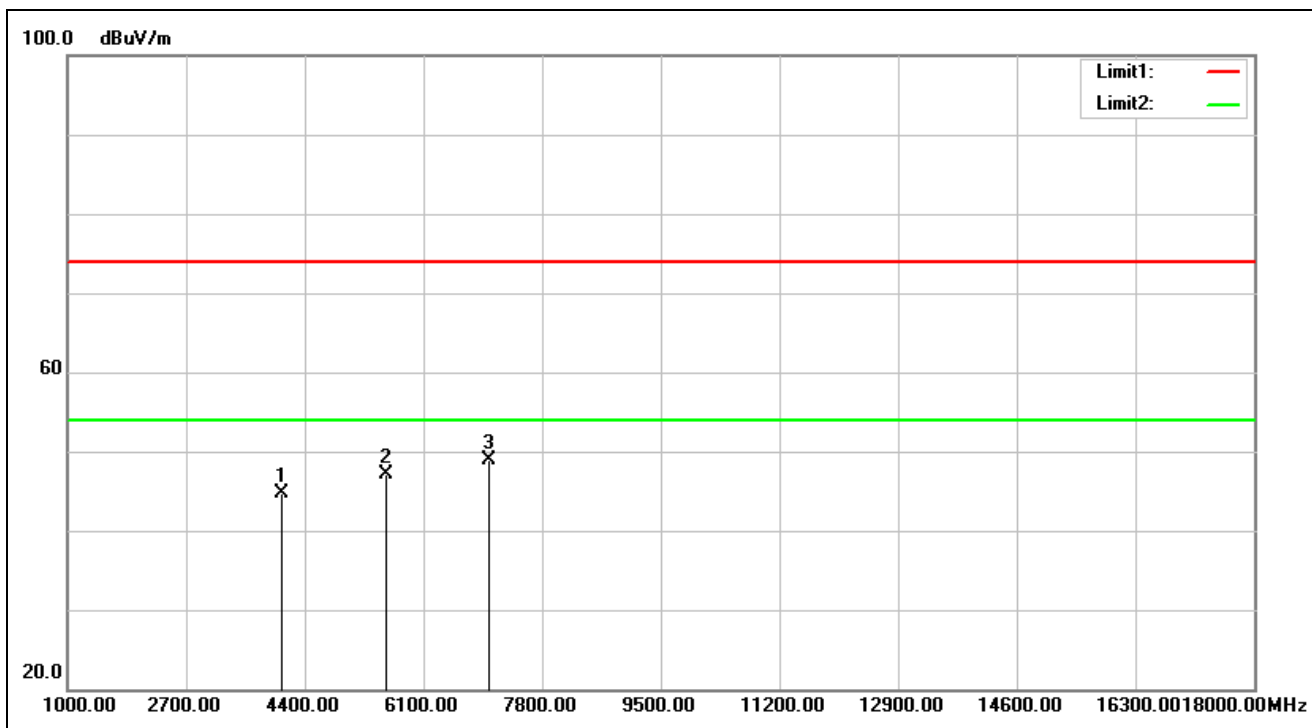
Spurious Emissions, RX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

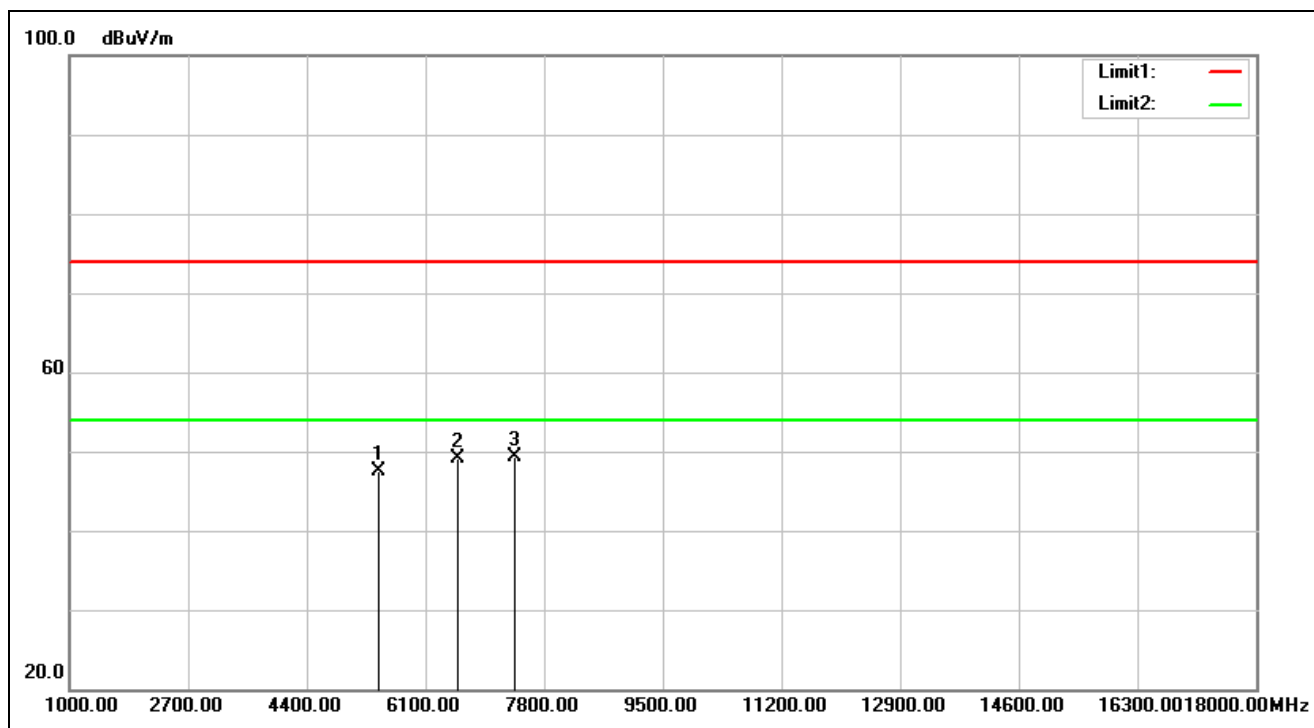
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 17:11:45
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	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	4060.000	-5.39	50.01	44.62	74.00	-29.38	peak	100	340	
2	5573.000	-0.33	47.39	47.06	74.00	-26.94	peak	100	252	
3	7035.000	3.92	44.98	48.90	74.00	-25.10	peak	100	8	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 17:12:47
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	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	5437.000	-1.09	48.52	47.43	74.00	-26.57	peak	100	39	
2	6559.000	4.38	44.66	49.04	74.00	-24.96	peak	100	6	
3	7375.000	4.70	44.66	49.36	74.00	-24.64	peak	100	222	

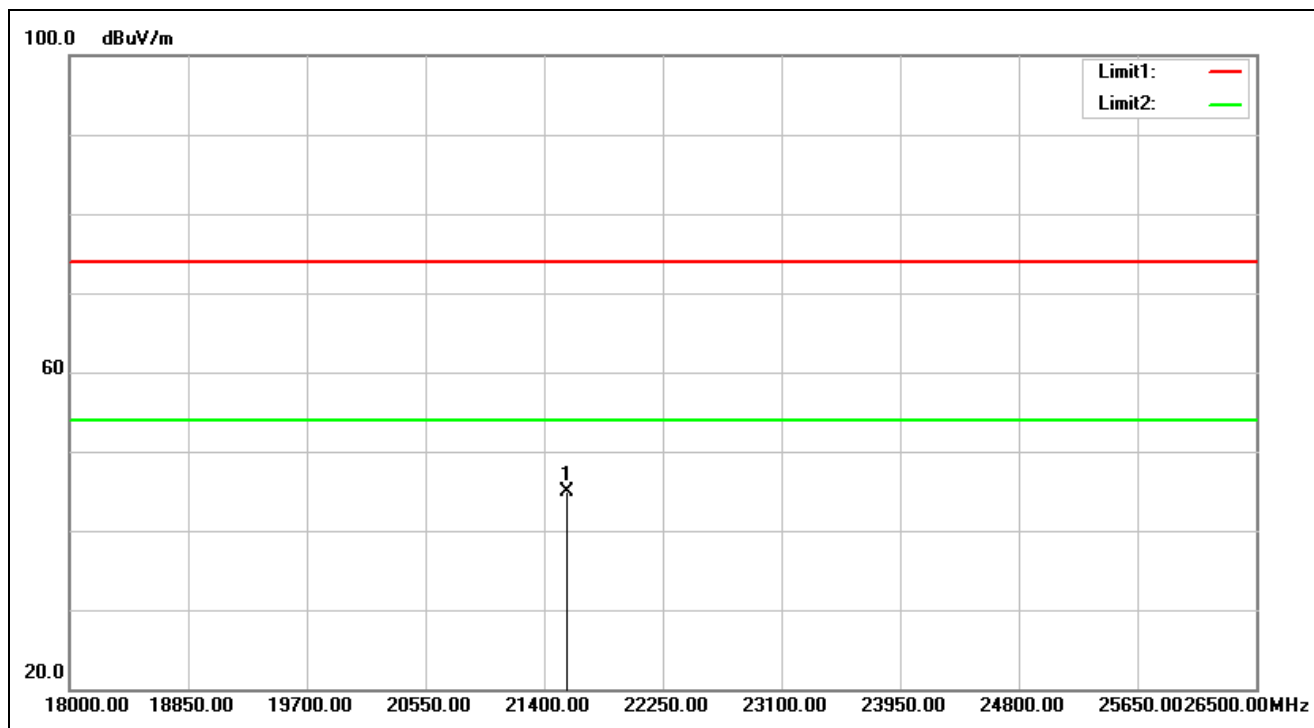
Spurious Emissions, RX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

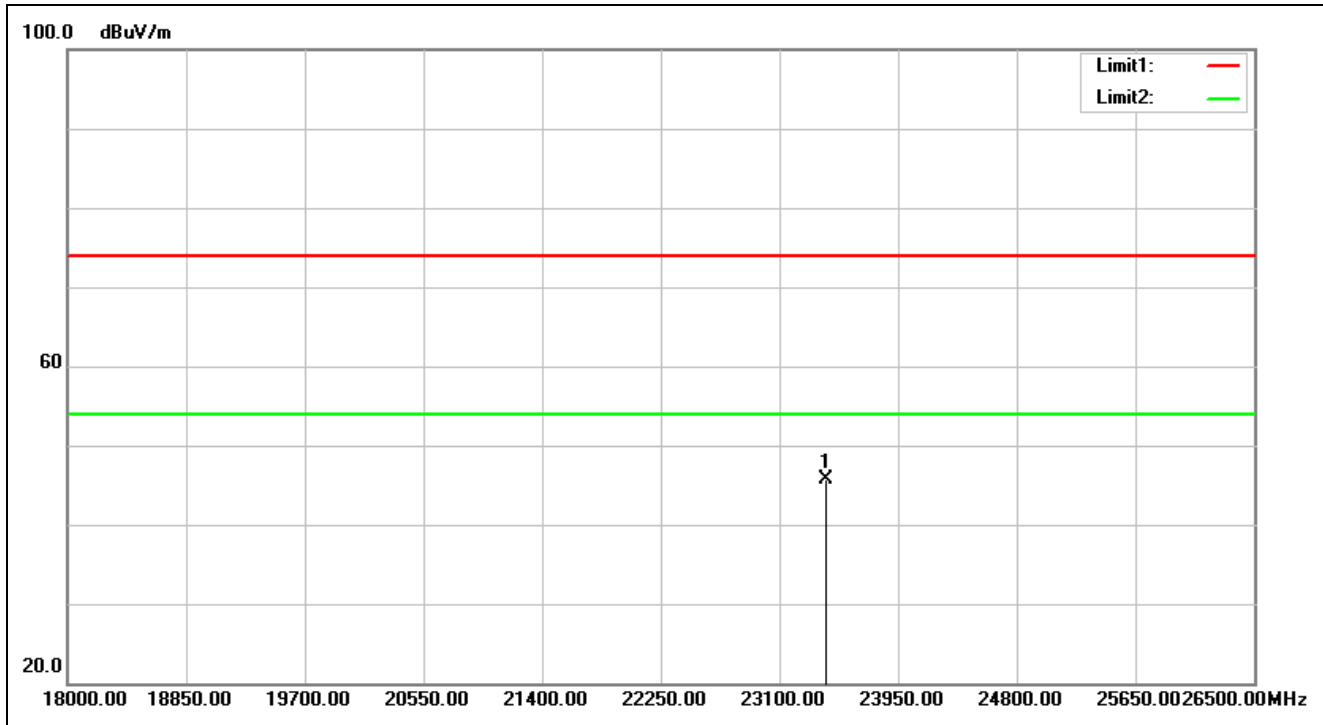
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 17:29:28
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	20(°C)/49%
Model No.:	TS6001BT	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	21561.500	4.12	40.82	44.94	74.00	-29.06	peak	100	83	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 17:30:30
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	20(°C)/49%
Model No.:	TS6001BT	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	23431.500	5.53	40.23	45.76	74.00	-28.24	peak	100	272	

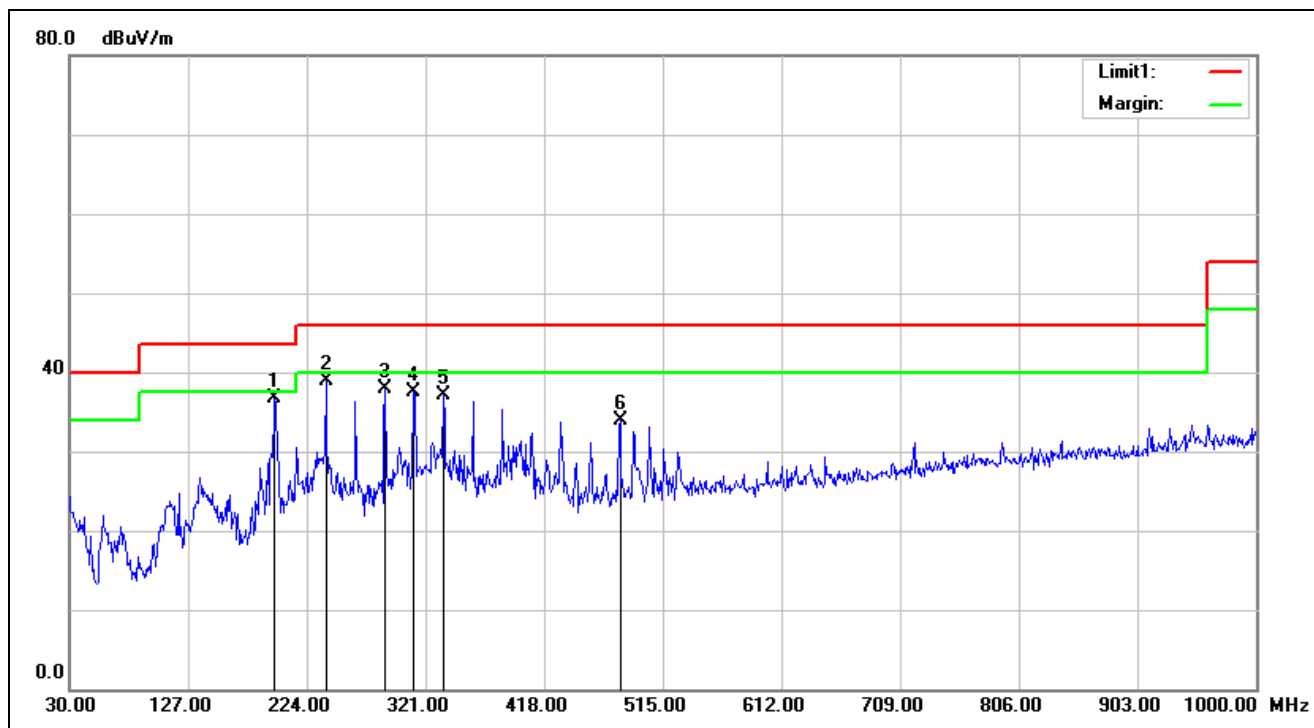
Spurious Emissions, RX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

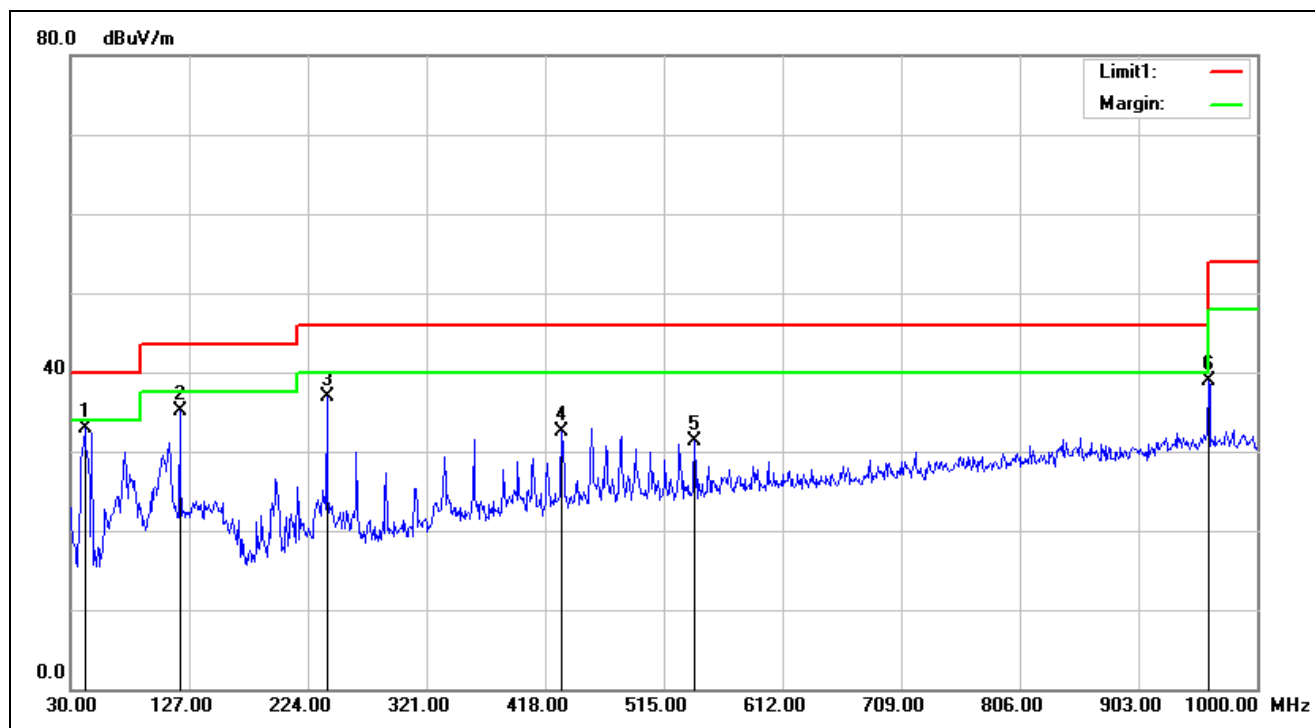
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/22 18:36:51
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	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	197.8100	-8.96	45.70	36.74	43.50	-6.76	QP	100	263	
2	239.5200	-6.77	45.60	38.83	46.00	-7.17	QP	100	144	
3	288.0199	-4.77	42.76	37.99	46.00	-8.01	QP	100	43	
4	311.3000	-4.18	41.76	37.58	46.00	-8.42	QP	100	165	
5	335.5500	-3.58	40.69	37.11	46.00	-8.89	QP	100	96	
6	480.0799	-1.33	35.32	33.99	46.00	-12.01	QP	100	112	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/22 18:37:55
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/49%
Model No.:	TS6001BT	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	41.6400	-6.79	39.73	32.94	40.00	-7.06	QP	100	0	
2	119.2400	-7.44	42.58	35.14	43.50	-8.36	QP	100	211	
3	239.5200	-6.77	43.62	36.85	46.00	-9.15	QP	100	259	
4	431.5800	-1.96	34.38	32.42	46.00	-13.58	QP	100	134	
5	540.2199	-0.45	31.83	31.38	46.00	-14.62	QP	100	0	
6	960.2300	5.78	33.15	38.93	54.00	-15.07	QP	100	246	

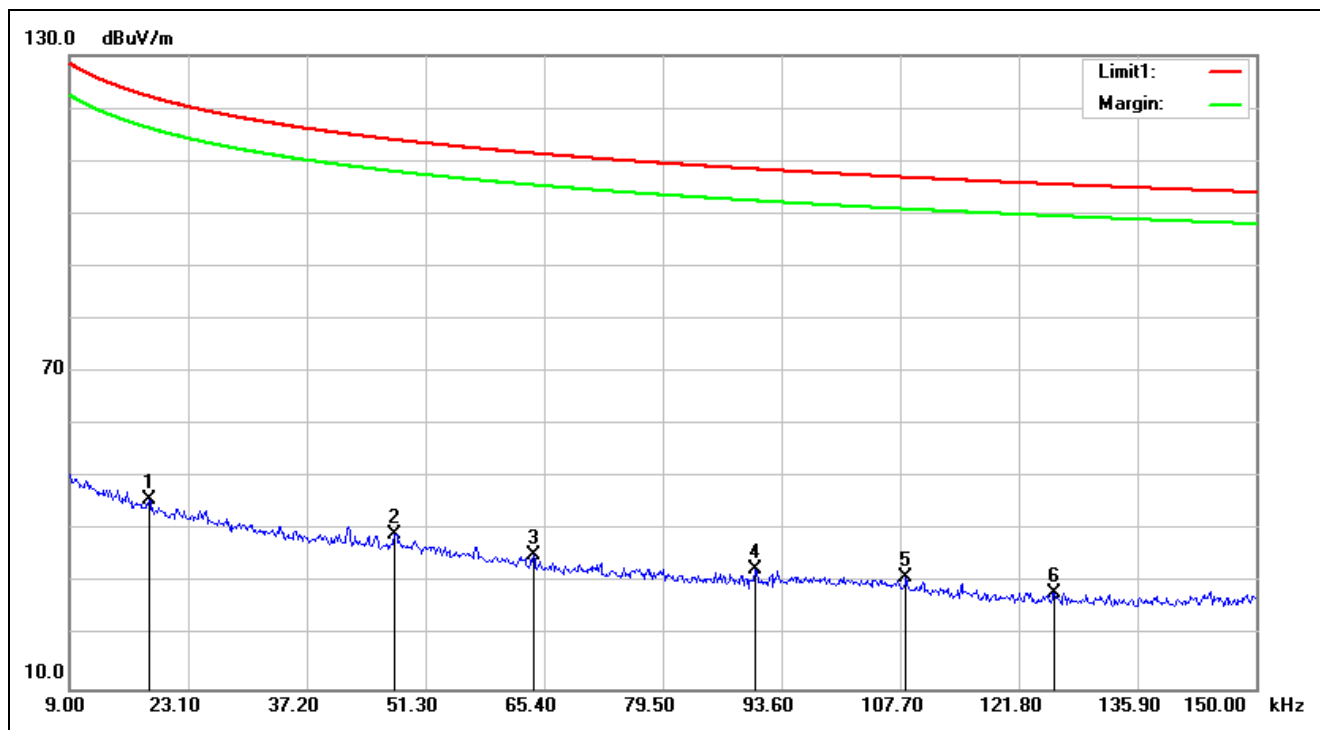
Spurious Emissions, RX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

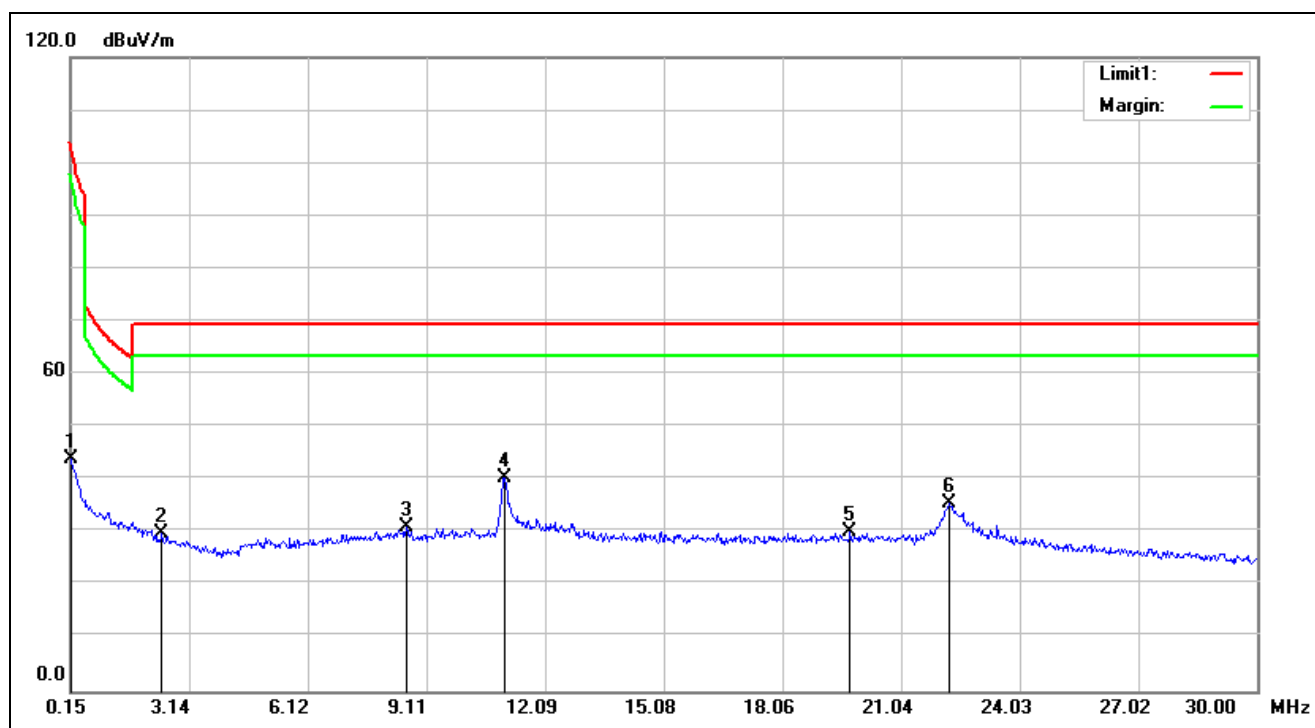
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	N/A
Test item:	Radiation Emission	Test Time:	2018/6/27 20:00:46
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	21(°C)/54%
Model No.:	TS6001BT	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	0.0184	18.87	26.98	45.85	122.21	-76.36	QP	100	308	
2	0.0476	18.98	20.40	39.38	113.98	-74.60	QP	100	177	
3	0.0641	18.76	16.45	35.21	111.41	-76.20	QP	100	26	
4	0.0905	18.44	14.30	32.74	108.42	-75.68	QP	100	339	
5	0.1084	18.33	12.79	31.12	106.86	-75.74	QP	100	35	
6	0.1259	18.34	9.92	28.26	105.56	-77.30	QP	100	360	



Service No.:	114078837	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	N/A
Test item:	Radiation Emission	Test Time:	2018/6/27 20:02:27
Applicant:	TrickleStar Limited	Test Rating:	DC 3.3V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	21(°C)/54%
Model No.:	TS6001BT	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	0.1500	18.35	25.69	44.04	104.05	-60.01	QP	100	112	
2	2.4484	18.57	11.14	29.71	69.50	-39.79	QP	100	135	
3	8.5976	20.15	10.96	31.11	69.50	-38.39	QP	100	24	
4	11.0751	20.55	19.78	40.33	69.50	-29.17	QP	100	255	
5	19.7615	21.56	8.73	30.29	69.50	-39.21	QP	100	18	
6	22.2390	21.67	13.78	35.45	69.50	-34.05	QP	100	176	

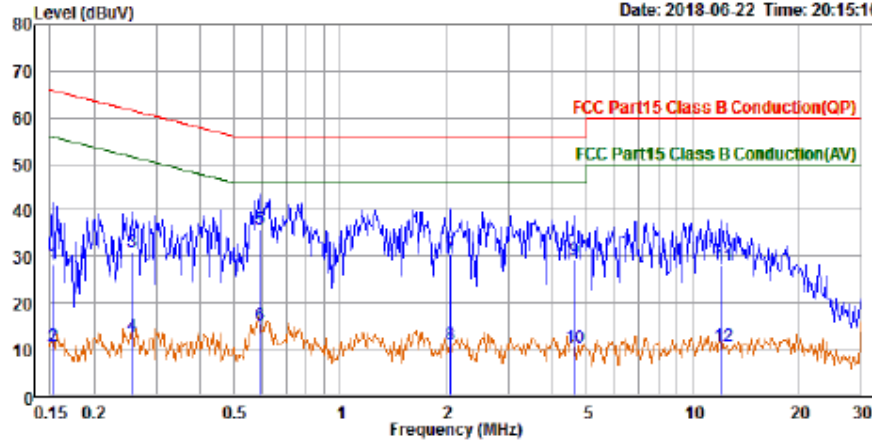
Mains



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

File: C:\EMC\Report\2018\Powertech\114078837(Powertech)_00007.EMI

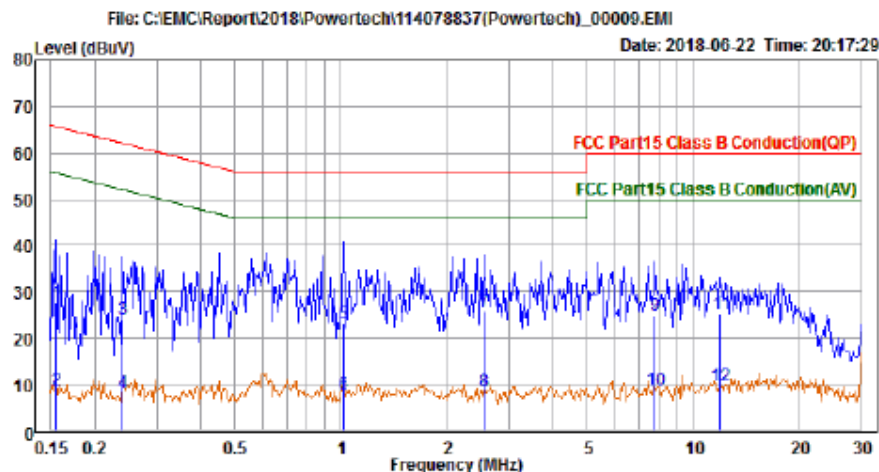
Date: 2018-06-22 Time: 20:15:16



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kevin Kuo
Applicant : TrickleStar Limited
Product : Bluetooth Module
Model No. : TS60018T
Test Rating : 120Vac/50Hz
Tmp/Hum : 23.3°C / 46%
Memo : AC Mains

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.151	18.56	9.67	28.23	65.92	-37.69	QP
2	0.151	0.89	9.67	10.56	55.92	-45.36	Average
3	0.254	21.51	9.67	31.18	61.62	-30.44	QP
4	0.254	3.14	9.67	12.81	51.62	-38.81	Average
5	0.591	26.18	9.68	35.86	56.00	-20.14	QP
6	0.591	5.60	9.68	15.28	46.00	-30.72	Average
7	2.049	28.57	9.72	38.29	56.00	-25.71	QP
8	2.049	1.30	9.72	11.02	46.00	-34.98	Average
9	4.583	19.43	9.75	29.18	56.00	-26.82	QP
10	4.583	0.60	9.75	10.35	46.00	-35.65	Average
11	12.141	18.07	9.81	27.88	60.00	-32.12	QP
12	12.141	0.78	9.81	10.59	50.00	-39.41	Average



Trace: 1
 Site : Conduction room
 Condition : FCC Part15 Class B Conduction(QP) neutral
 Test Engineer: Kevin Kuo
 Applicant : TrickleStar Limited
 Product : Bluetooth Module
 Model No. : TS6001BT
 Test Rating : 120Vac/50Hz
 Temp/Hum : 23.3°C / 46%
 Memo : AC Mains

		Read		Limit	Over	
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.155	17.94	9.73	27.67	65.75	-38.08 QP
2	0.155	-0.87	9.73	8.86	55.75	-46.89 Average
3	0.239	14.41	9.73	24.14	62.12	-37.98 QP
4	0.239	-1.54	9.73	8.19	52.12	-43.93 Average
5	1.012	13.44	9.75	23.19	56.00	-32.81 QP
6	1.012	-1.82	9.75	7.93	46.00	-38.07 Average
7	2.550	15.96	9.77	25.73	56.00	-30.27 QP
8	2.550	-1.32	9.77	8.45	46.00	-37.55 Average
9	7.762	15.04	9.86	24.90	60.00	-35.10 QP
10	7.762	-1.17	9.86	8.69	50.00	-41.31 Average
11	11.902	15.49	9.90	25.39	60.00	-34.61 QP
12	11.902	-0.03	9.90	9.87	50.00	-40.13 Average