

Test Report No.50143222 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50143222AppendixD)

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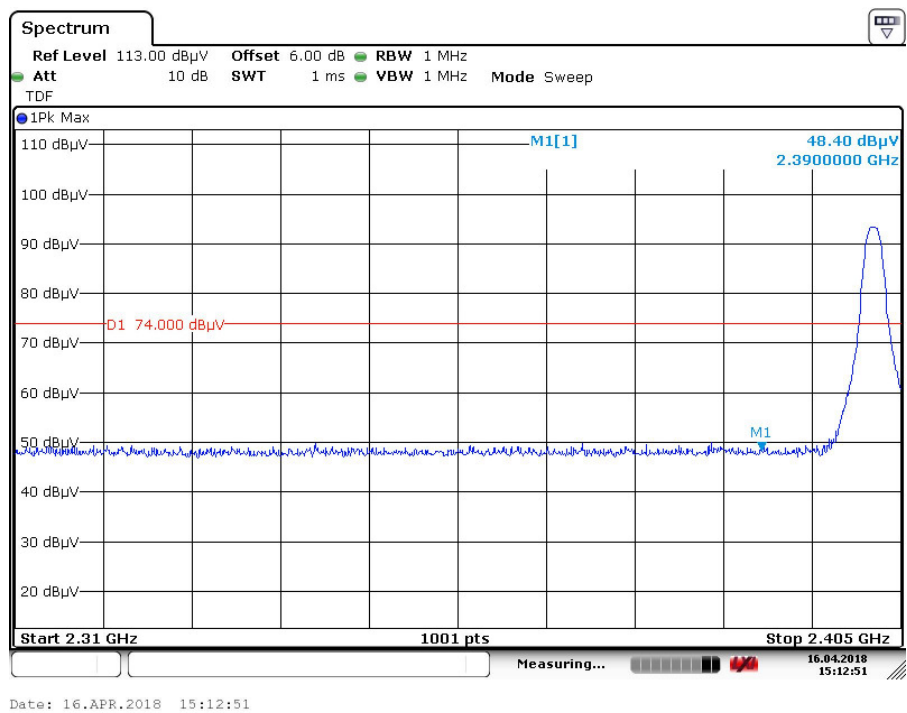
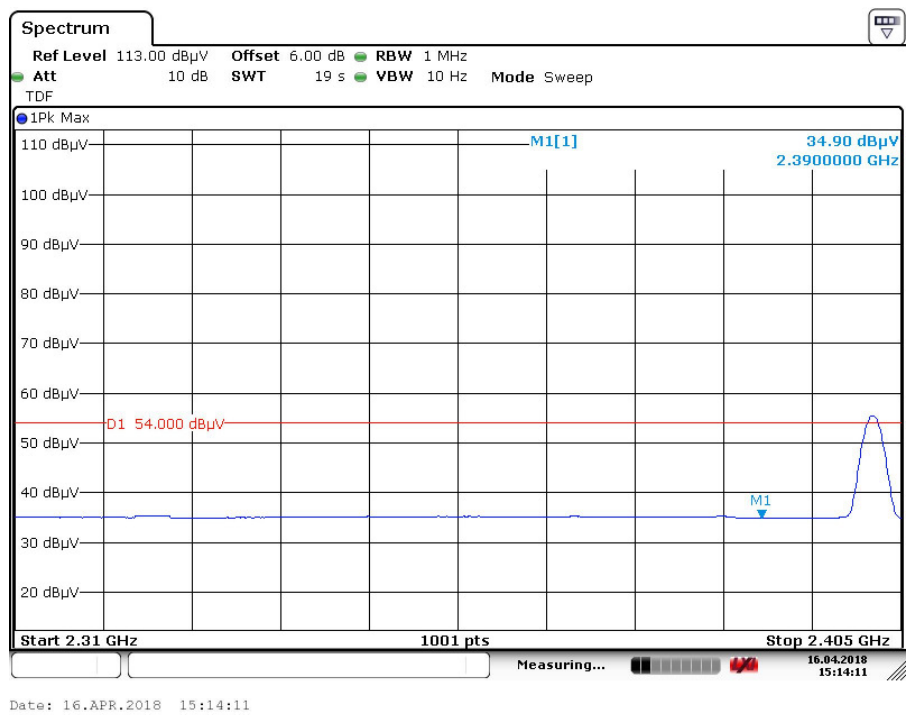
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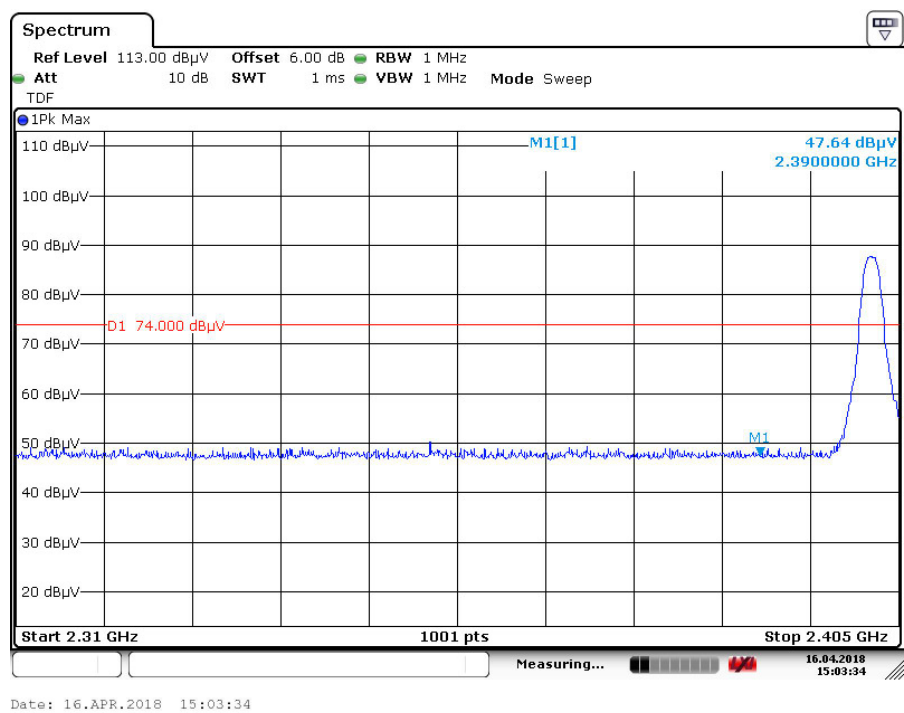
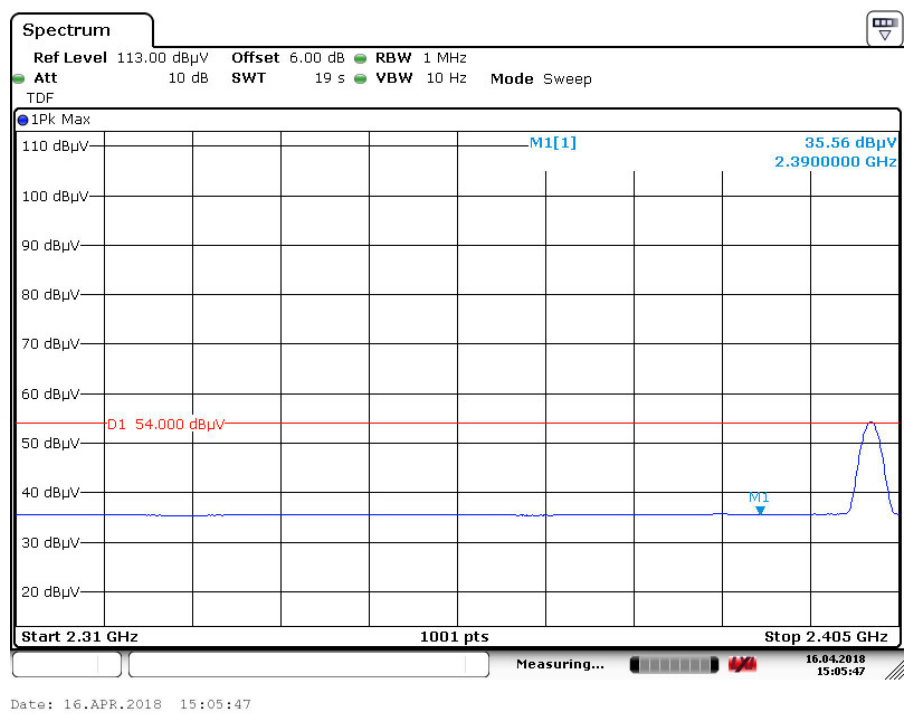
Spurious Emissions, Band Edges, 2.35-2.5G

Radiated Bandedge (GFSK)

Low Channel (Hor)

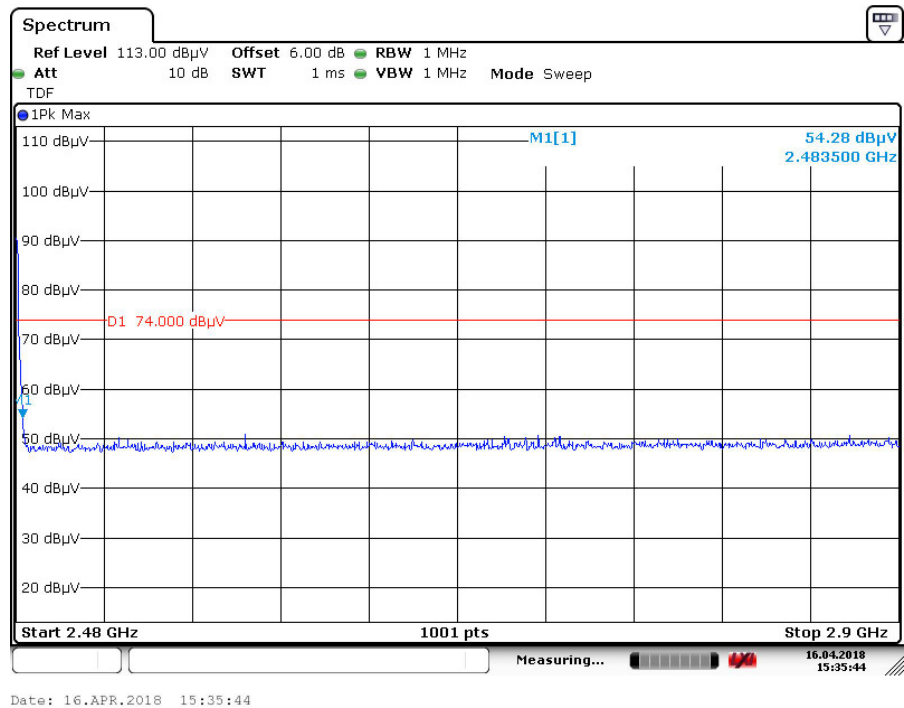
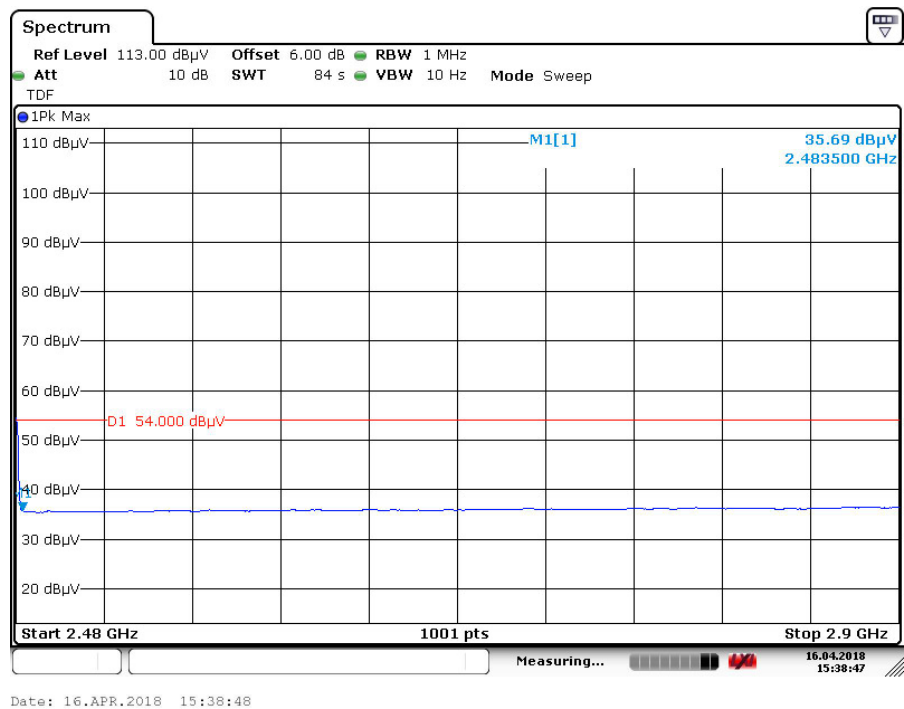


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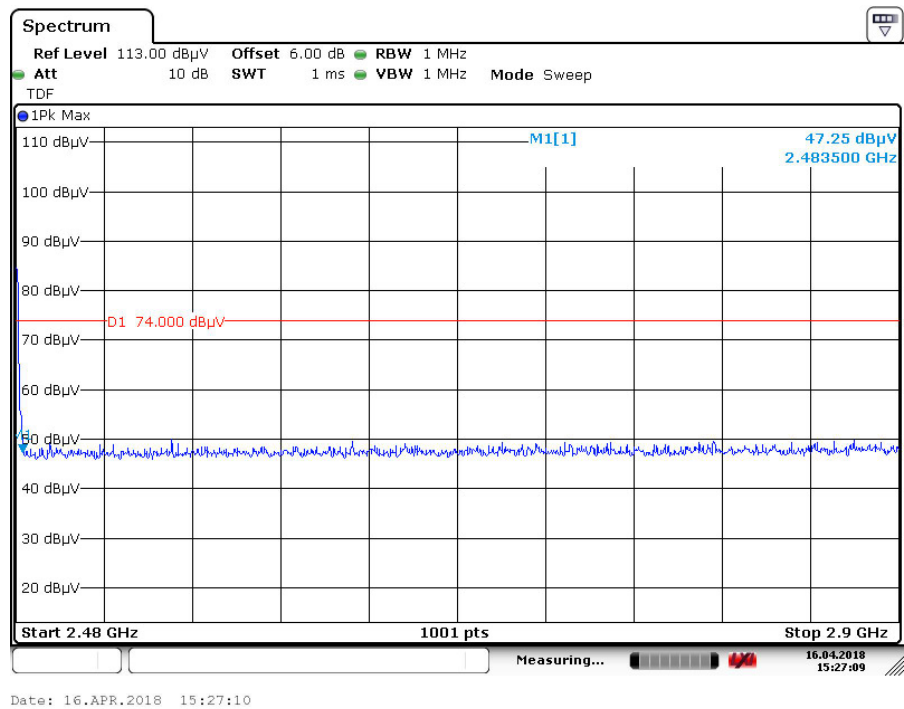
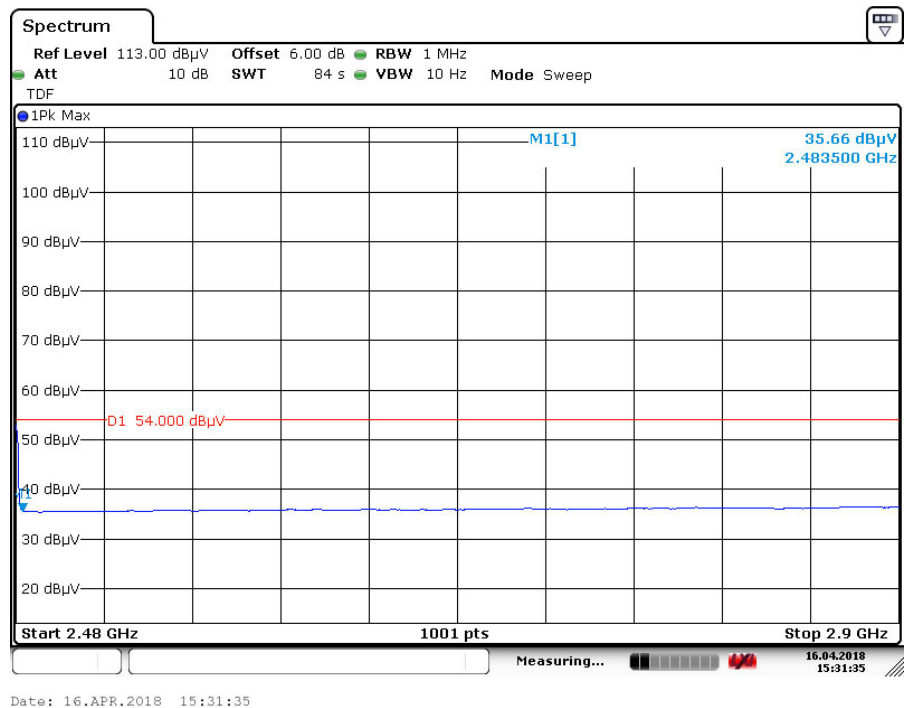


Radiated Bandedge (GFSK)

High Channel (Hor)



High Channel (Ver)



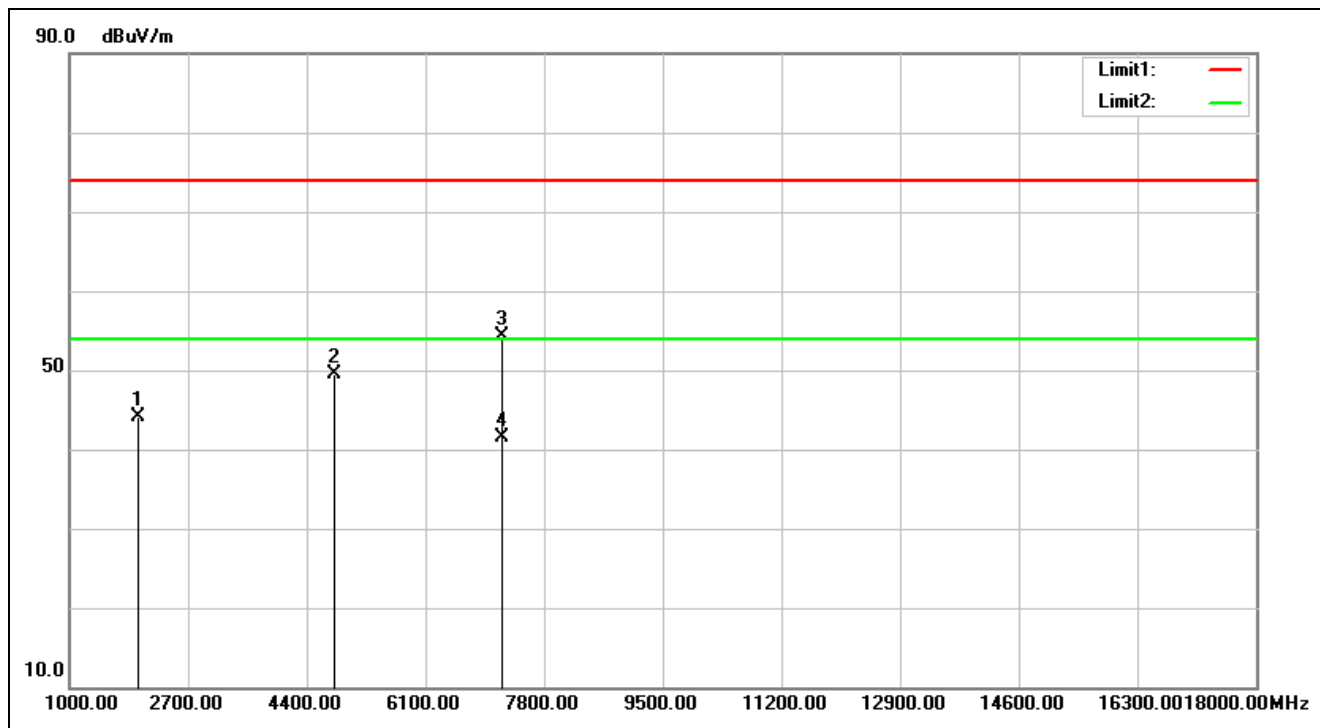
Spurious Emissions, TX Mode, 1-18G



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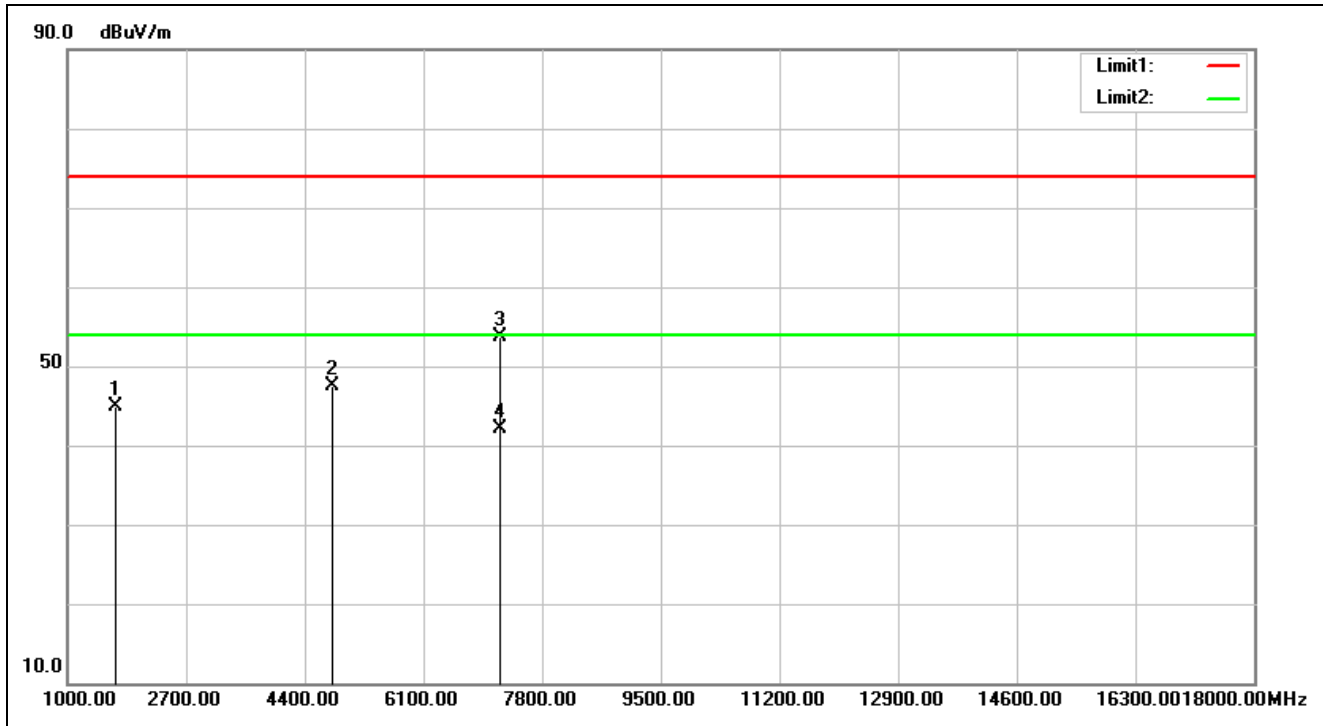
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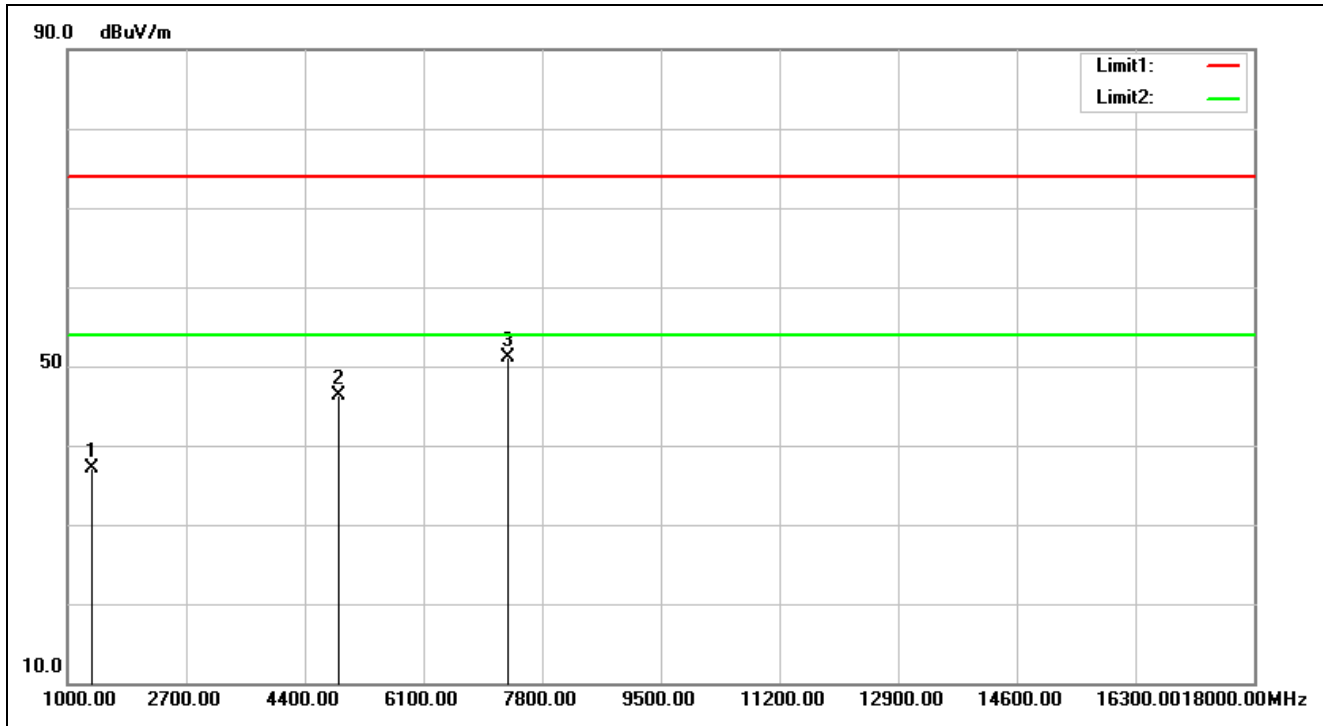
Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/4/16 16:01:01
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%) :	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
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	-7.20	51.38	44.18	74.00	-29.82	peak	100	251	
2	4804.000	-2.72	52.31	49.59	74.00	-24.41	peak	100	296	
3	7206.000	5.25	49.13	54.38	74.00	-19.62	peak	138	337	
4	7206.000	5.25	36.31	41.56	54.00	-12.44	AVG	138	337	



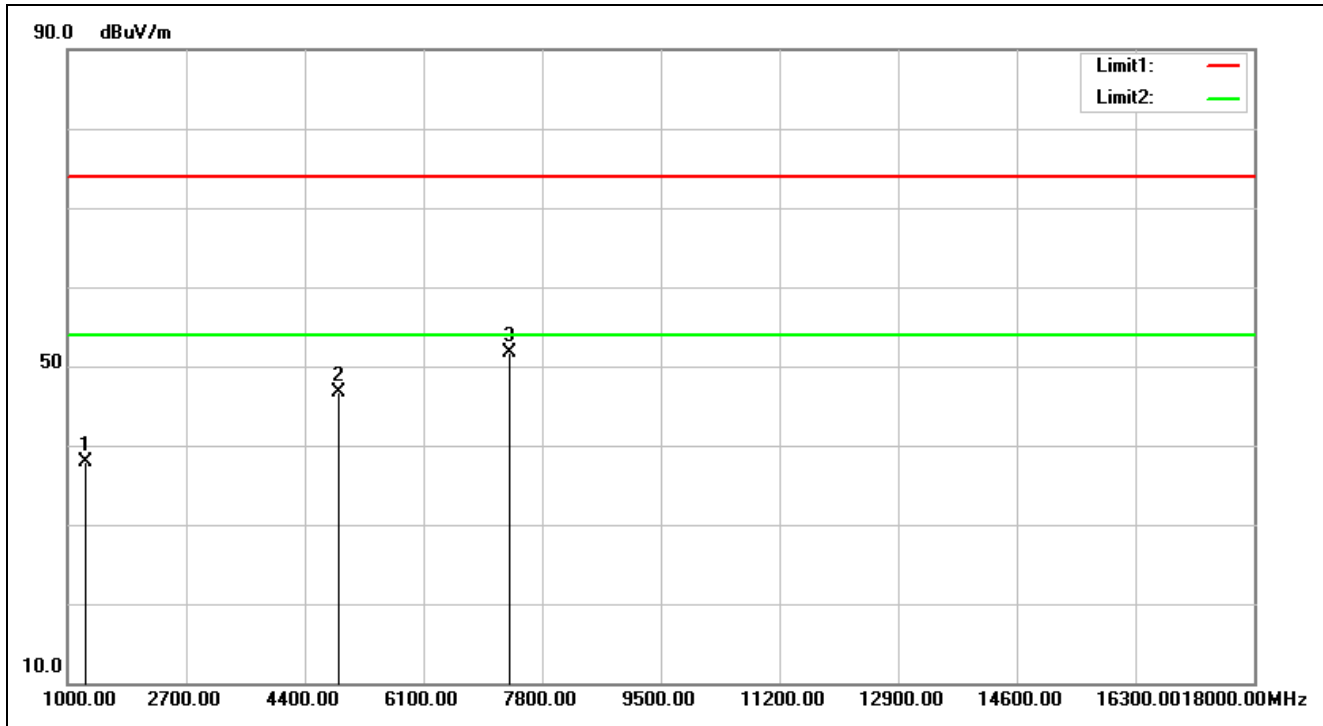
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Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/4/16 16:03:20
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%):	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1697.000	-9.18	54.04	44.86	74.00	-29.14	peak	100	246	
2	4804.000	-2.72	50.21	47.49	74.00	-26.51	peak	100	211	
3	7206.000	5.25	48.54	53.79	74.00	-20.21	peak	100	277	
4	7206.000	5.25	36.93	42.18	54.00	-11.82	AVG	100	277	



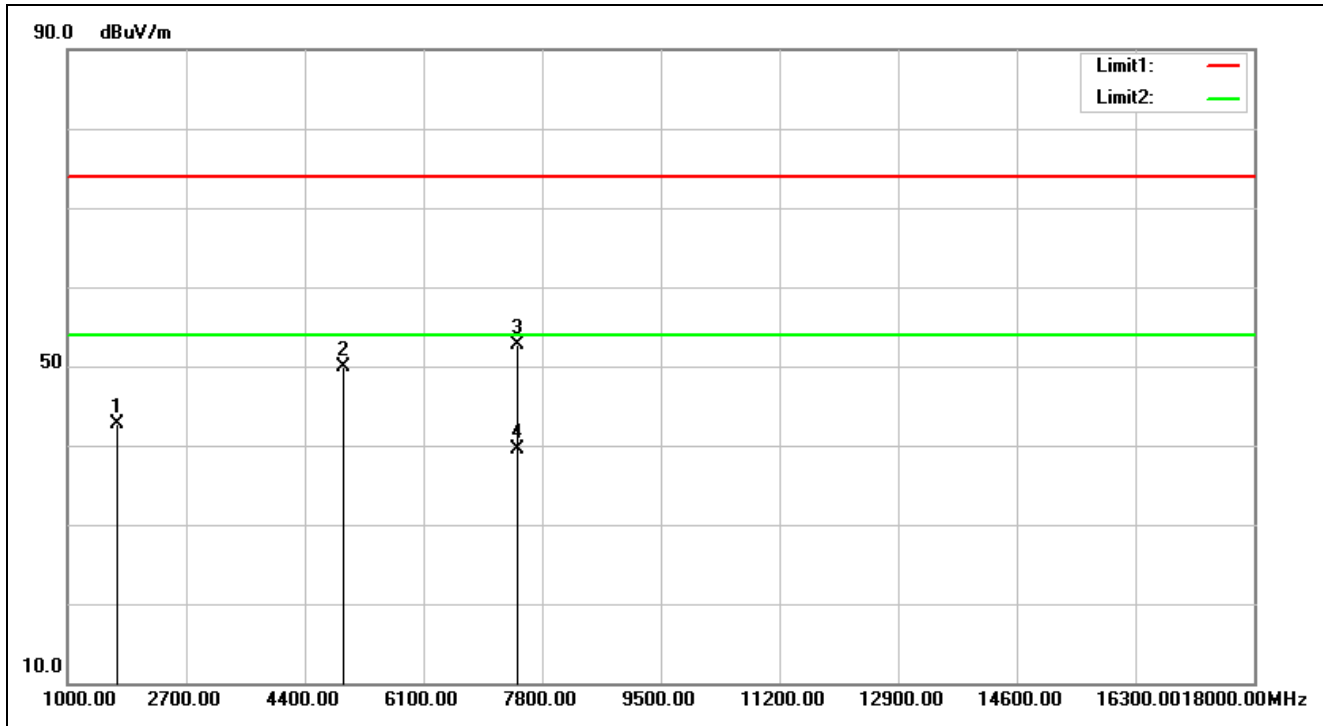
Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/4/16 16:23:55
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%):	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1360.000	-10.29	47.40	37.11	74.00	-36.89	peak	100	216	
2	4880.000	-2.50	48.84	46.34	74.00	-27.66	peak	100	228	
3	7320.000	5.54	45.55	51.09	74.00	-22.91	peak	100	331	



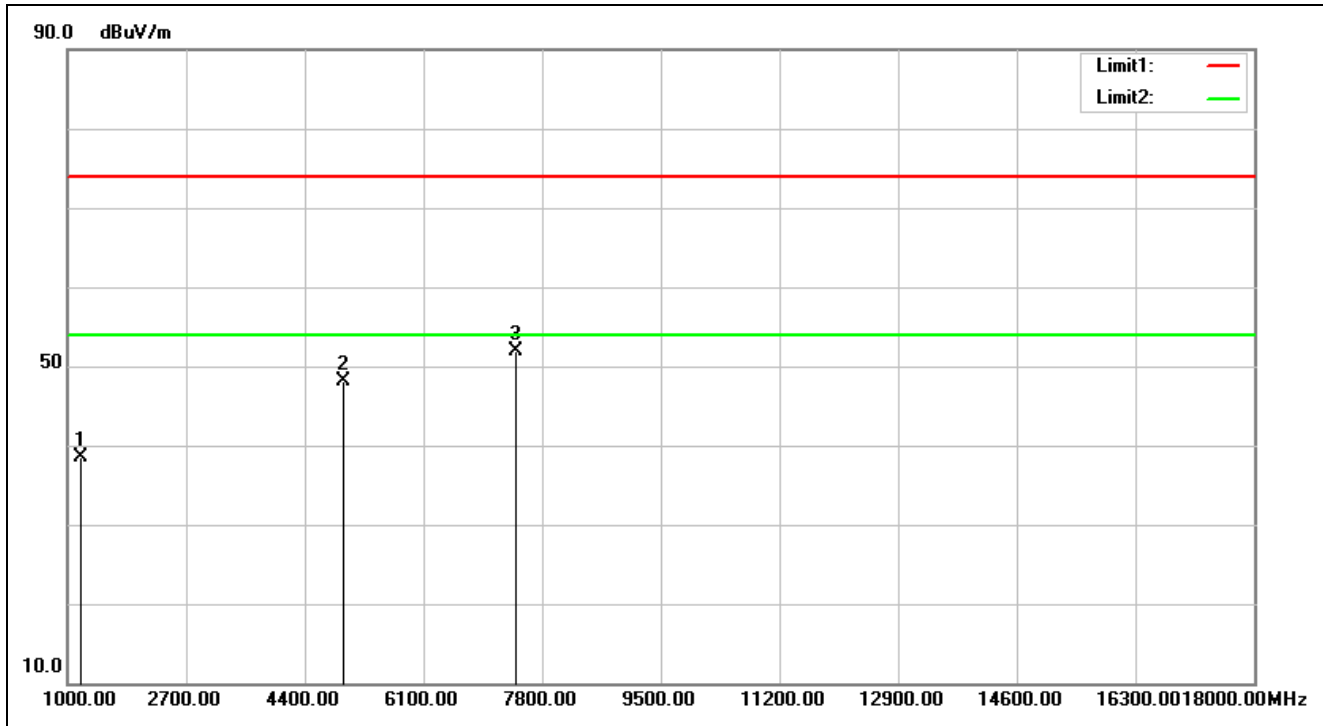
Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/4/16 16:26:14
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1250.000	-10.11	48.11	38.00	74.00	-36.00	peak	100	306	
2	4880.000	-2.50	49.16	46.66	74.00	-27.34	peak	100	349	
3	7320.000	5.54	46.08	51.62	74.00	-22.38	peak	100	208	



Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/4/16 16:32:47
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1714.000	-9.06	51.86	42.80	74.00	-31.20	peak	122	204	
2	4960.000	-2.28	52.23	49.95	74.00	-24.05	peak	108	322	
3	7440.000	5.84	46.86	52.70	74.00	-21.30	peak	100	359	
4	7440.000	5.84	33.63	39.47	54.00	-14.53	AVG	100	359	



Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/4/16 16:35:06
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1188.000	-10.02	48.60	38.58	74.00	-35.42	peak	150	241	
2	4960.000	-2.28	50.44	48.16	74.00	-25.84	peak	142	308	
3	7440.000	5.84	46.02	51.86	74.00	-22.14	peak	100	220	

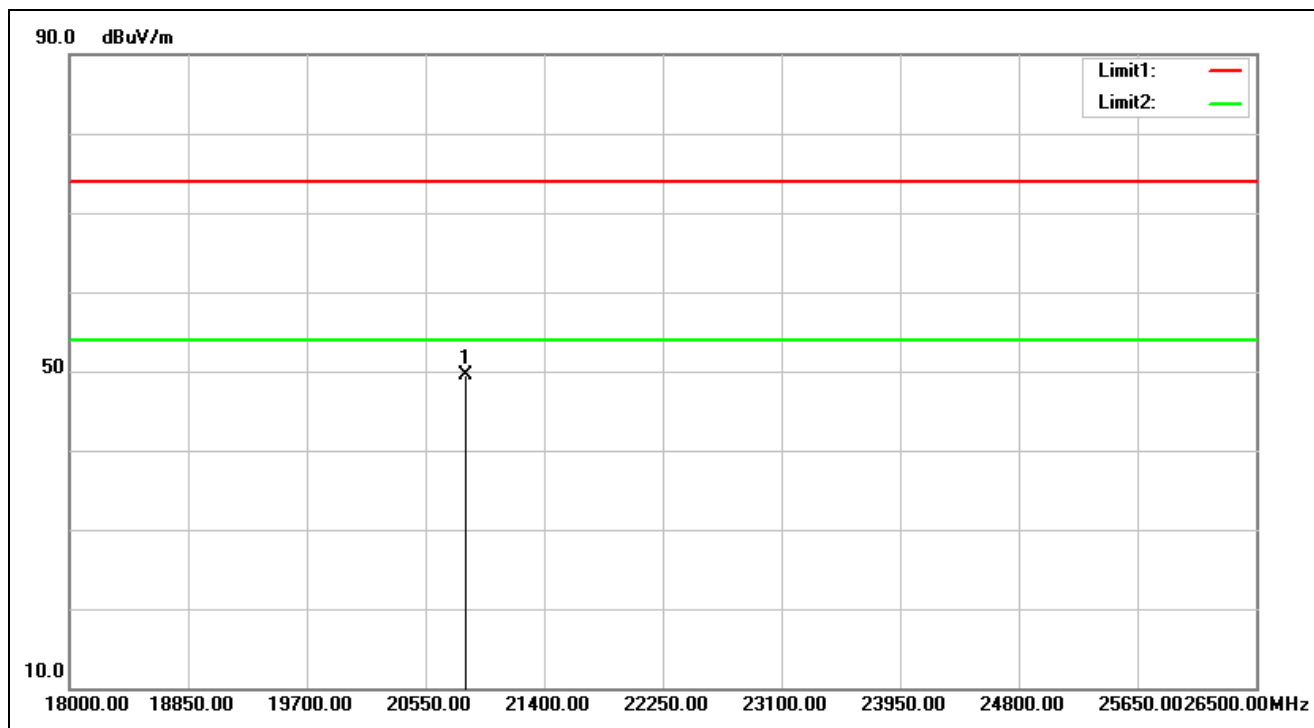
Spurious Emissions, TX Mode, 18-26G



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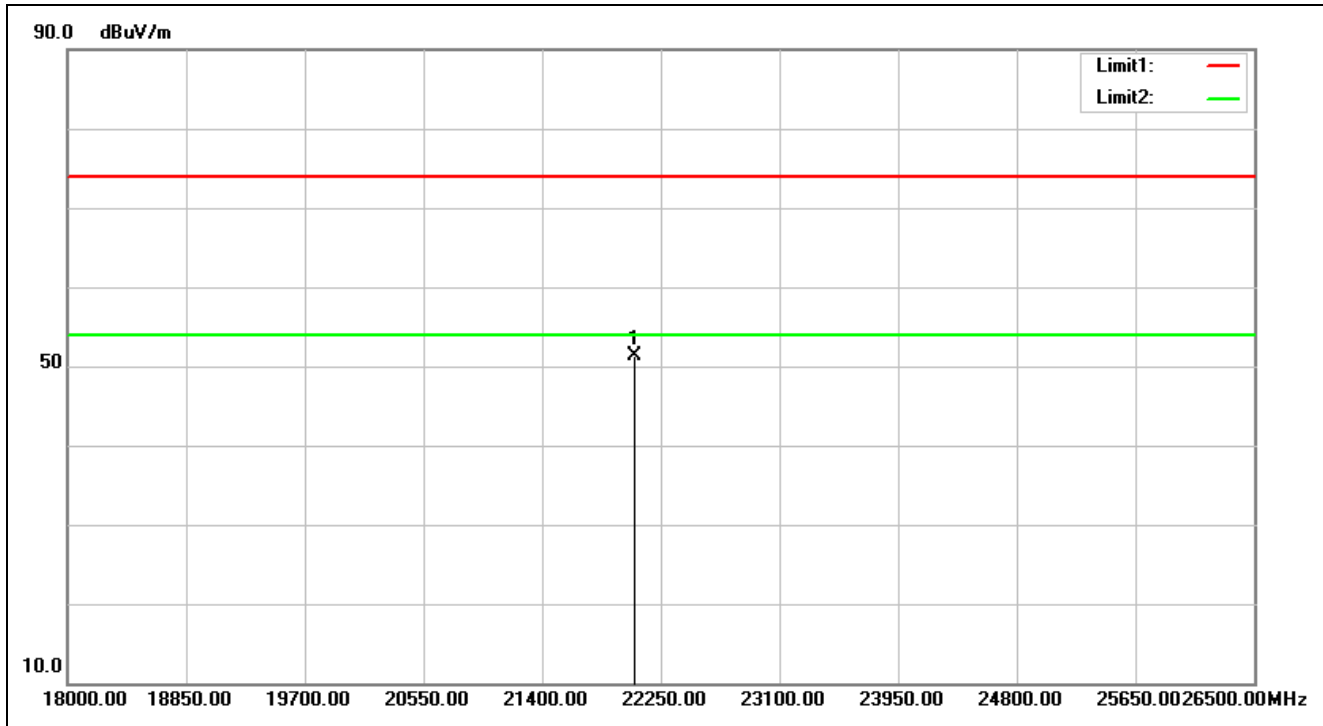
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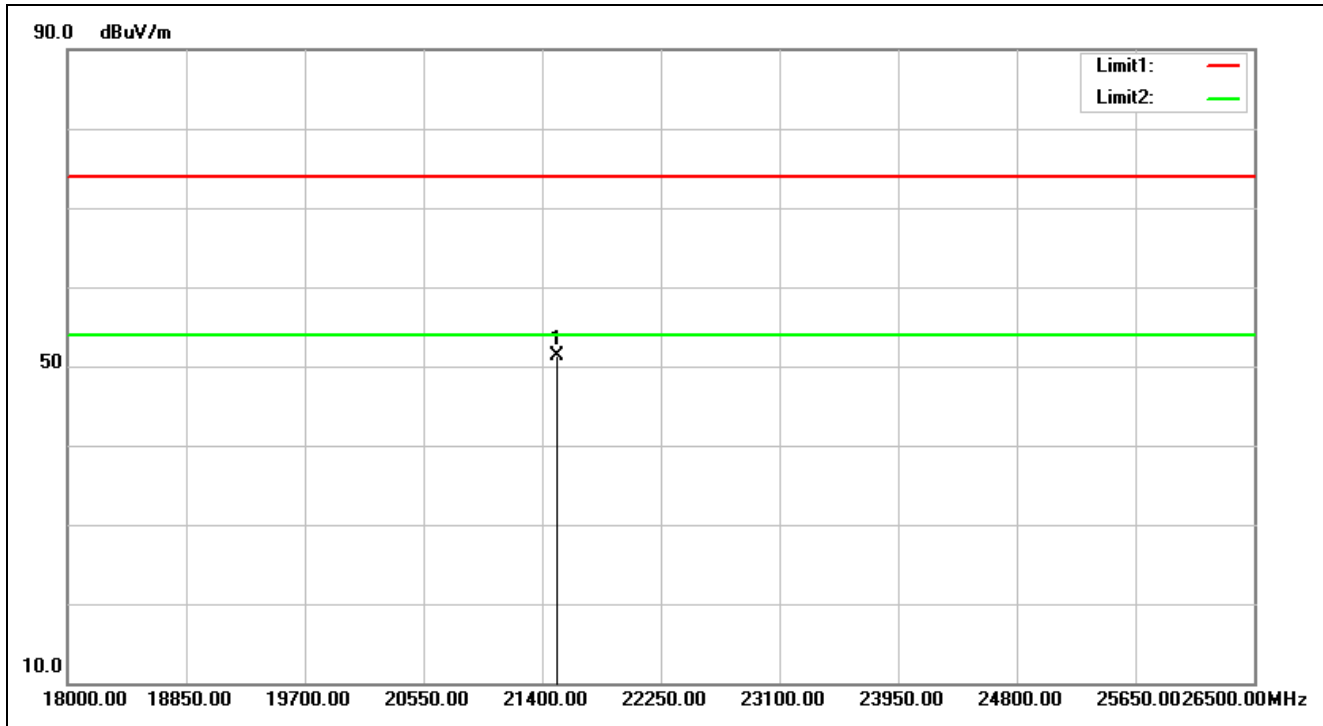
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Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/4/16 17:26:57
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20839.000	32.11	17.41	49.52	74.00	-24.48	peak	100	170	



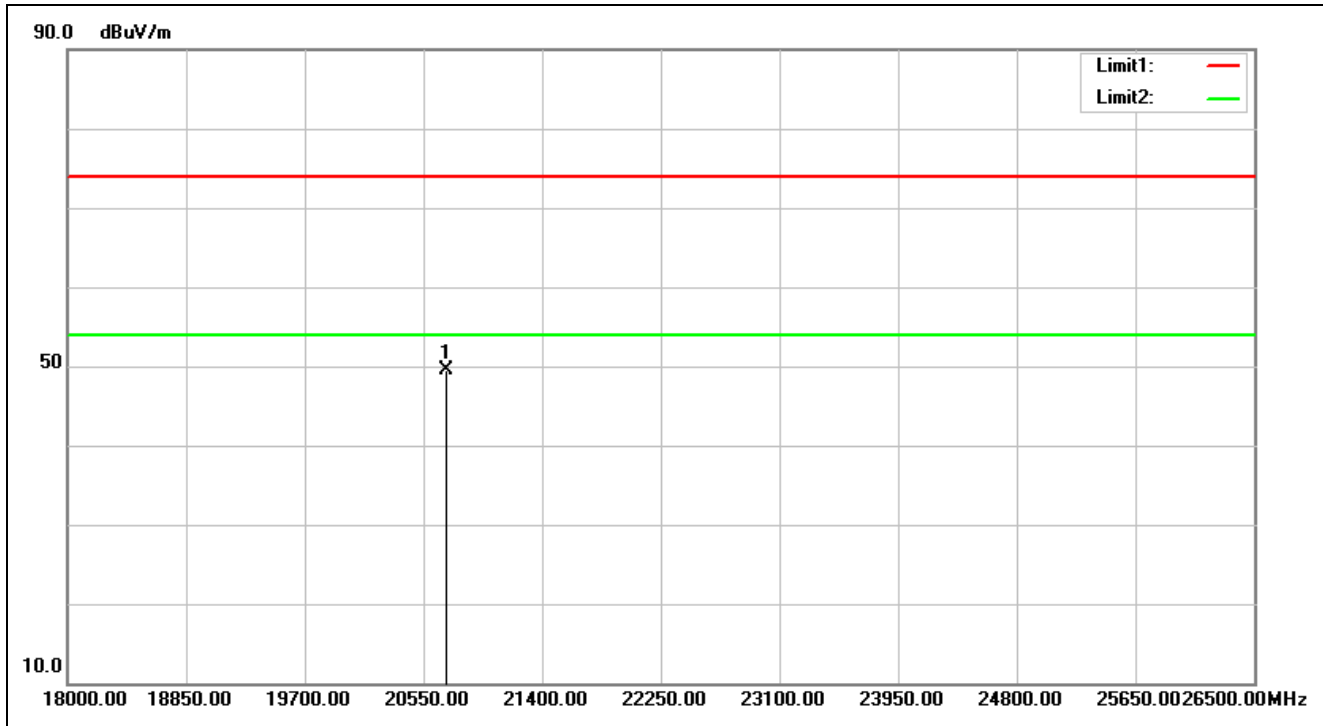
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Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/4/16 17:56:34
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%):	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2402-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22063.000	32.60	18.72	51.32	74.00	-22.68	peak	100	211	



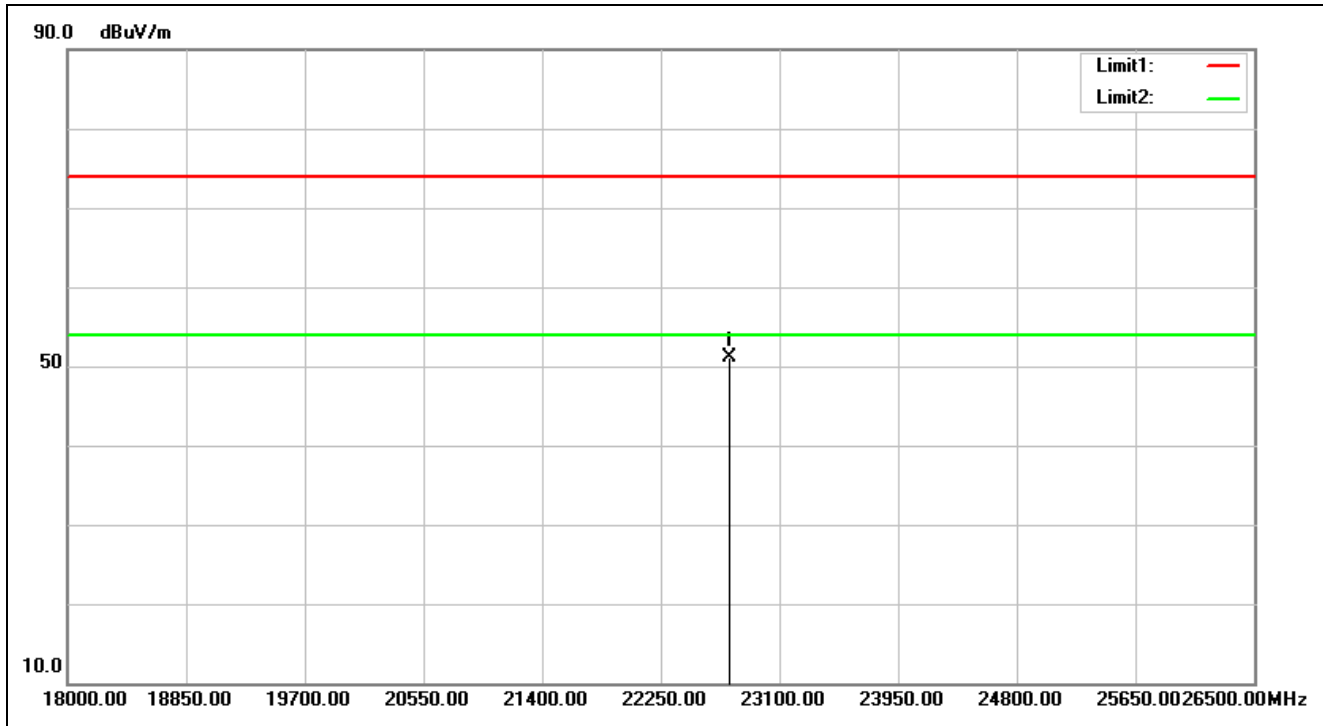
Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/4/16 17:53:40
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%):	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21502.000	32.89	18.47	51.36	74.00	-22.64	peak	100	53	



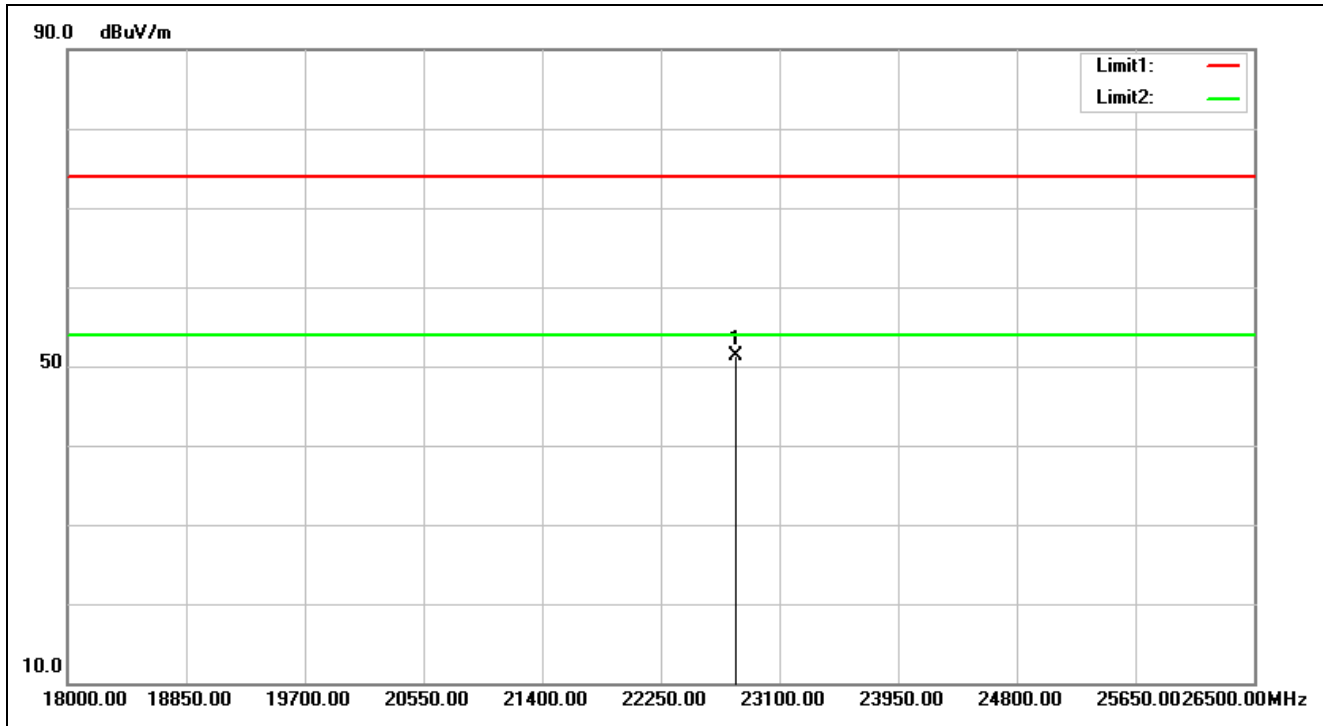
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Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/4/16 17:28:00
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%):	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20711.500	31.84	17.74	49.58	74.00	-24.42	peak	100	360	



Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/4/16 18:00:43
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%):	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22743.000	32.72	18.39	51.11	74.00	-22.89	peak	100	218	



Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/4/16 17:59:01
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/50%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2480-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22785.500	32.73	18.52	51.25	74.00	-22.75	peak	100	158	

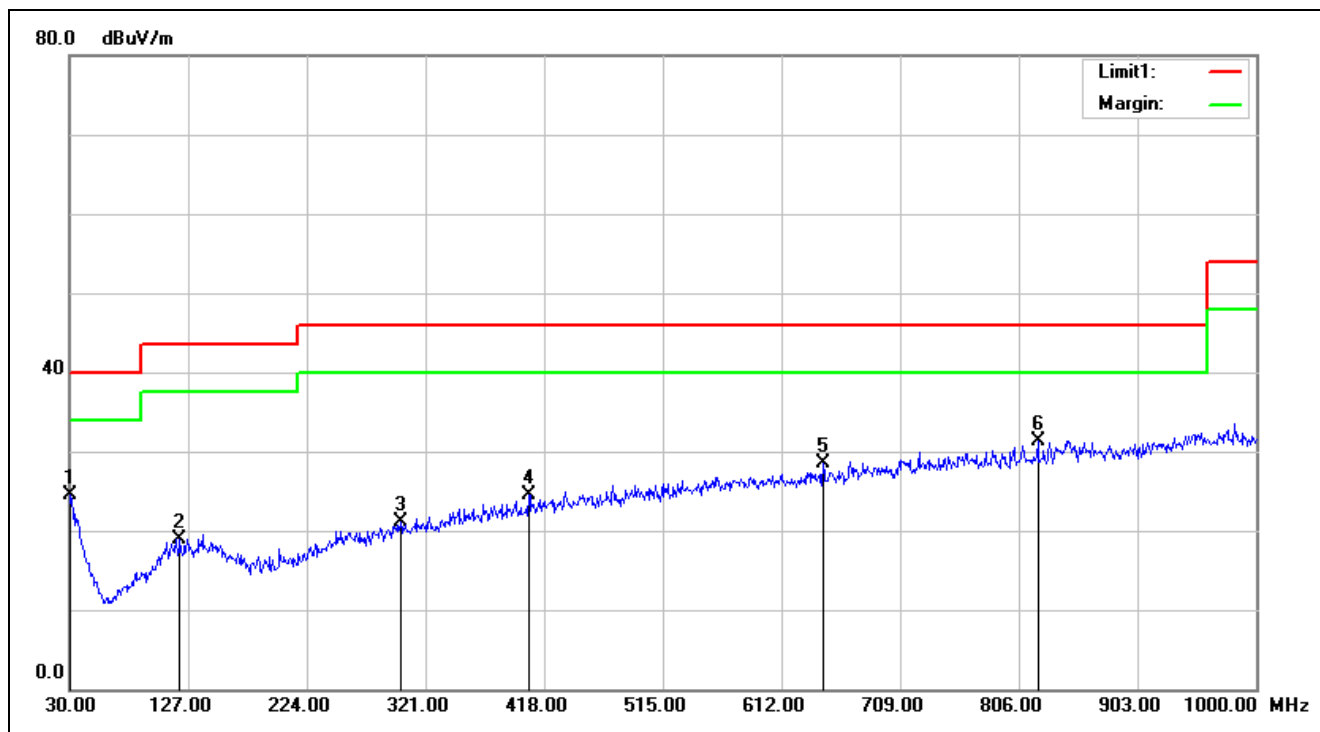
Spurious Emissions, TX Mode, 30M-1G



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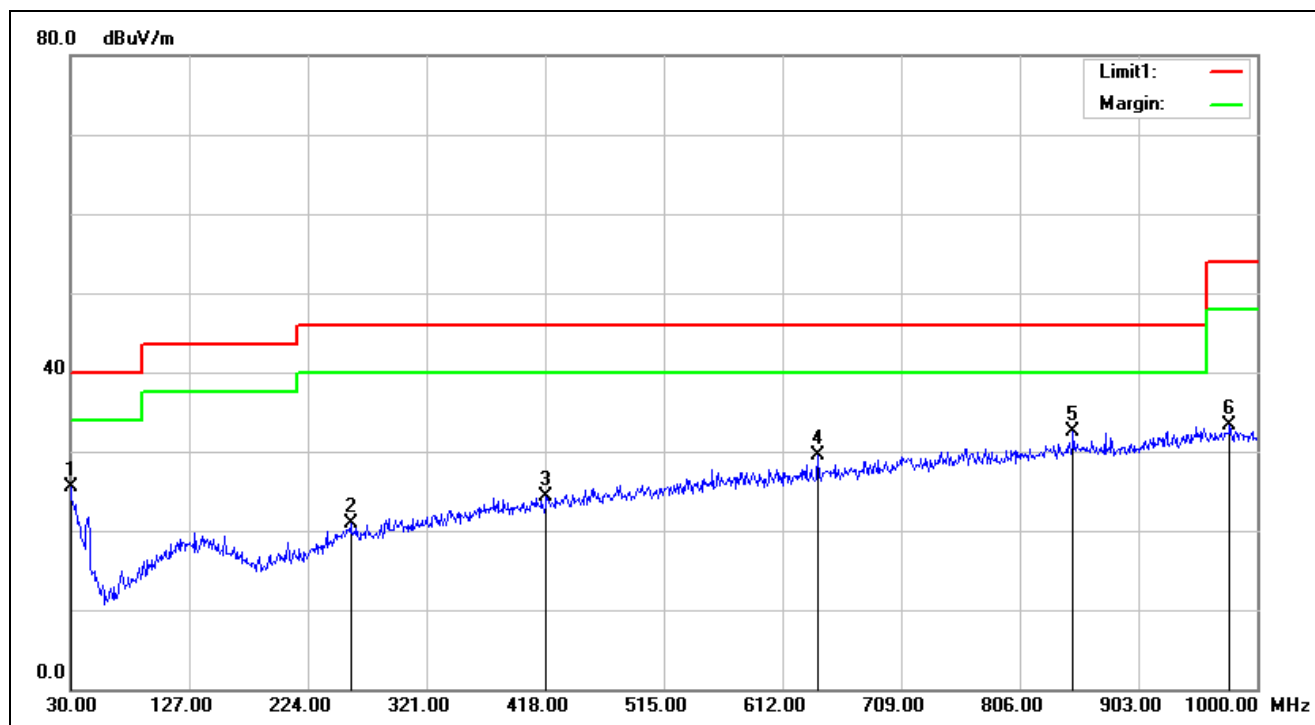
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Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/4/17 08:54:30
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/58%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
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	-0.25	24.72	24.47	40.00	-15.53	peak	100	238	
2	120.2100	-7.45	26.33	18.88	43.50	-24.62	peak	100	267	
3	300.6300	-4.54	25.66	21.12	46.00	-24.88	peak	100	318	
4	405.3900	-2.37	26.85	24.48	46.00	-21.52	peak	100	24	
5	645.9500	0.49	28.02	28.51	46.00	-17.49	peak	100	235	
6	821.5200	3.17	28.20	31.37	46.00	-14.63	peak	100	107	



Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/4/17 08:51:28
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/58%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
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	-0.25	25.82	25.57	40.00	-14.43	QP	100	360	
2	258.9200	-5.03	25.90	20.87	46.00	-25.13	QP	100	125	
3	418.9700	-2.23	26.50	24.27	46.00	-21.73	QP	100	298	
4	641.1000	0.44	29.11	29.55	46.00	-16.45	QP	100	226	
5	849.6500	3.70	28.75	32.45	46.00	-13.55	QP	100	351	
6	977.6900	5.62	27.75	33.37	54.00	-20.63	QP	100	328	

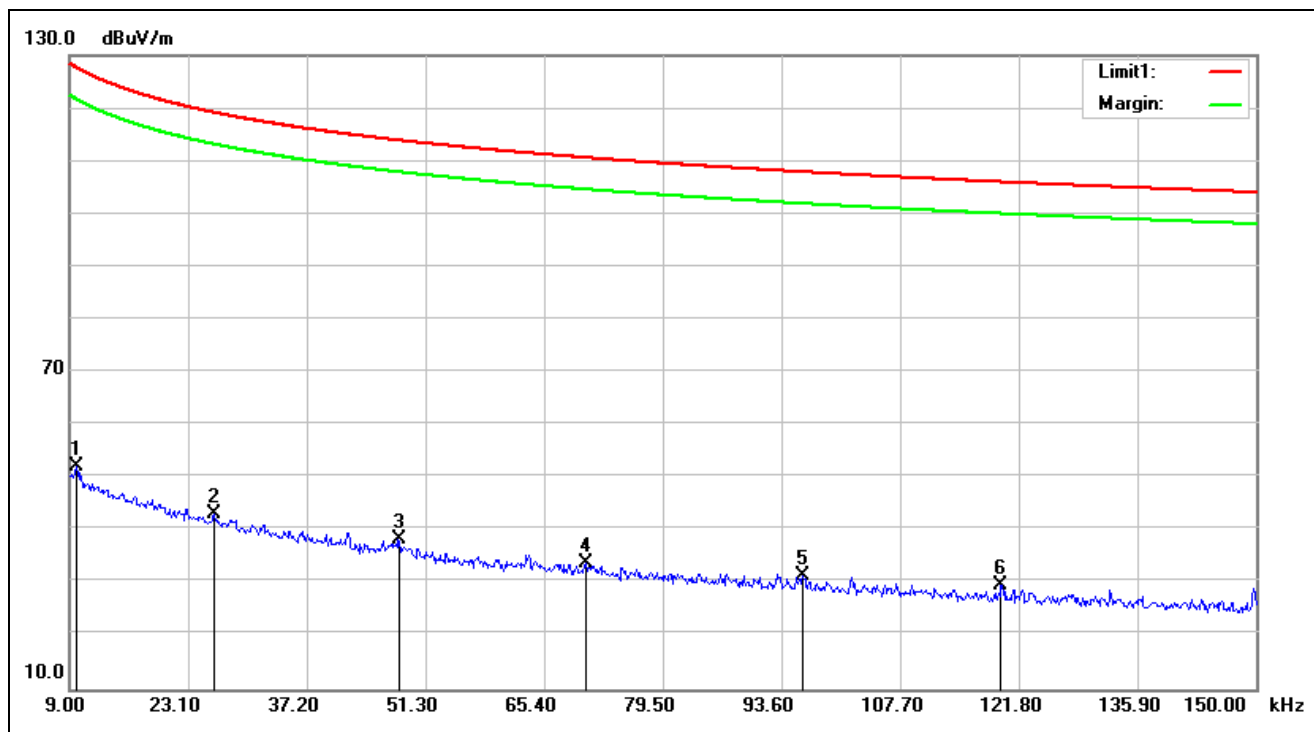
Spurious Emissions, TX Mode, 9k-30M



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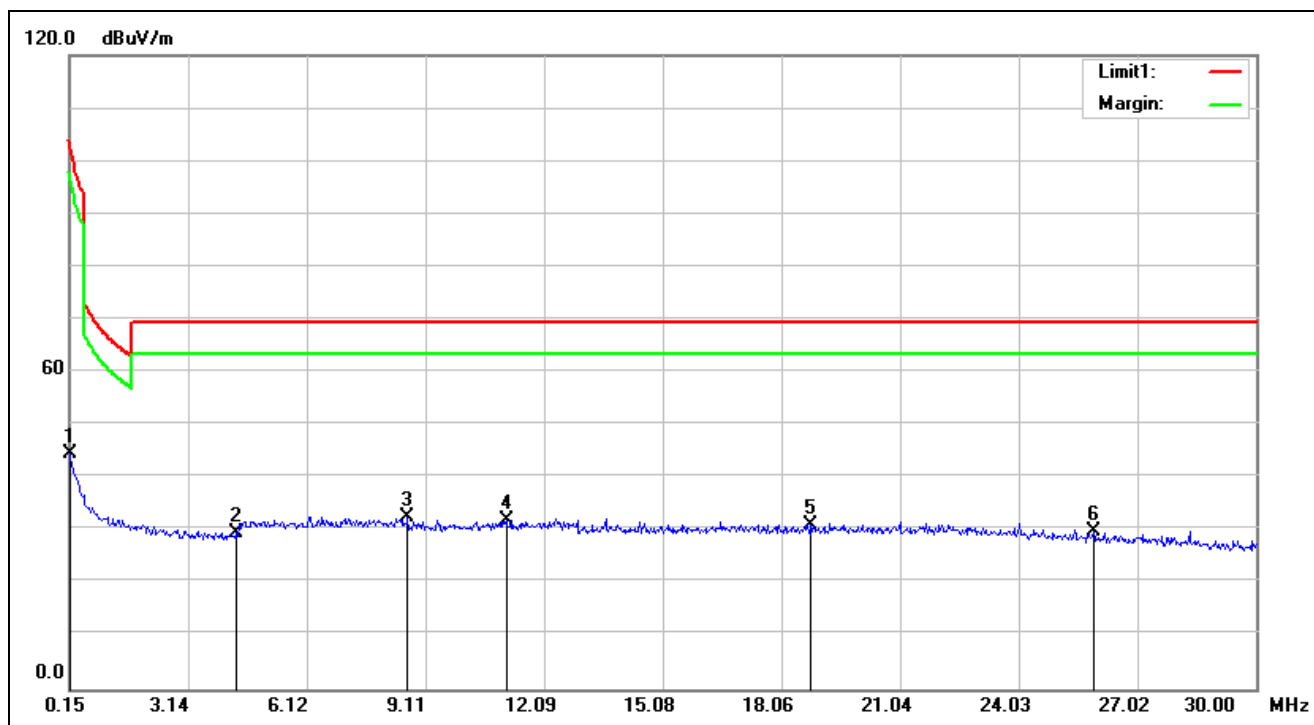
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Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/4/17 09:09:43
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/58%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
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	19.86	32.25	52.11	127.67	-75.56	QP	100	27	
2	0.0262	20.09	22.94	43.03	119.15	-76.12	QP	100	194	
3	0.0481	19.50	18.83	38.33	113.89	-75.56	QP	100	312	
4	0.0703	19.31	14.49	33.80	110.61	-76.81	QP	100	176	
5	0.0961	19.15	12.19	31.34	107.90	-76.56	QP	100	203	
6	0.1197	19.11	10.50	29.61	106.00	-76.39	QP	100	213	



Service No.:	114076269	Test Distance:	3m
Test Standard:	FCC&ISED15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/4/17 09:12:15
Applicant:	DONGGUAN MAE TAY ELECTRONIC CO., LTD.	Test Rating:	DC 1.5V
Product:	Slim Bluetooth Mouse	Temp.(°C)/Hum.(%)	22(°C)/58%
Model No.:	B07BMX18JN-Silver, B07BMXDJFX-Black, MM-8032	Test Engineer:	Kai Wang
Test Mode:	2440-Tx		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	19.08	25.44	44.52	104.05	-59.53	QP	100	1	
2	4.3290	19.35	10.17	29.52	69.50	-39.98	QP	100	92	
3	8.6572	20.09	12.32	32.41	69.50	-37.09	QP	100	23	
4	11.1348	20.42	11.64	32.06	69.50	-37.44	QP	100	339	
5	18.8062	21.78	9.38	31.16	69.50	-38.34	QP	100	211	
6	25.9106	22.37	7.43	29.80	69.50	-39.70	QP	100	250	