

Test Report No.10046694 001

Appendix D: Radiated and Mains Spurious Emission Data

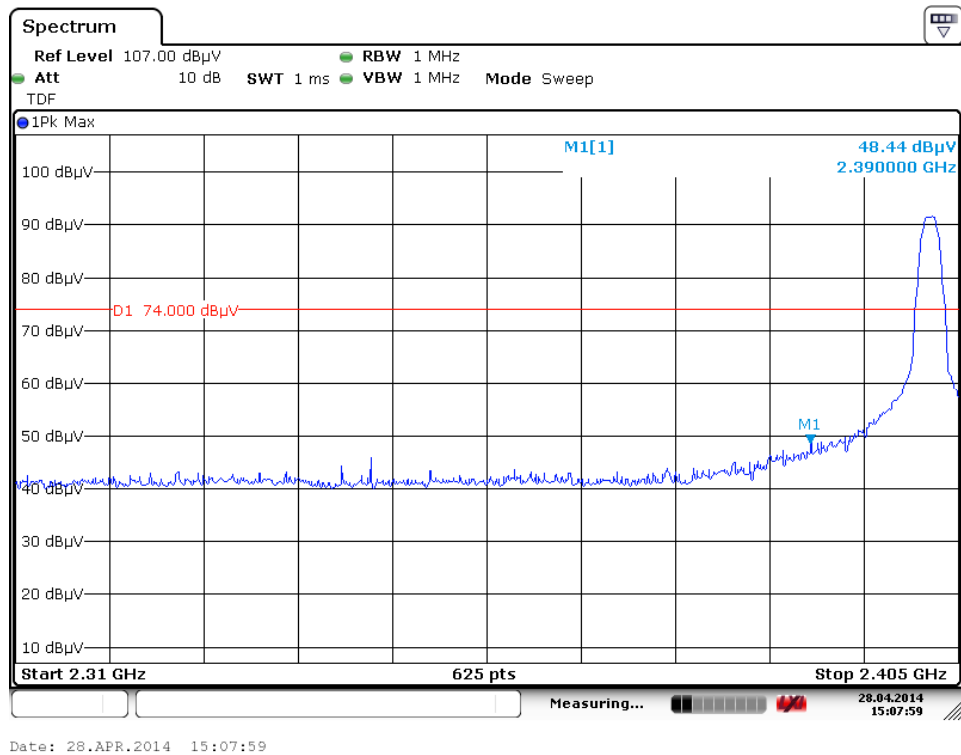
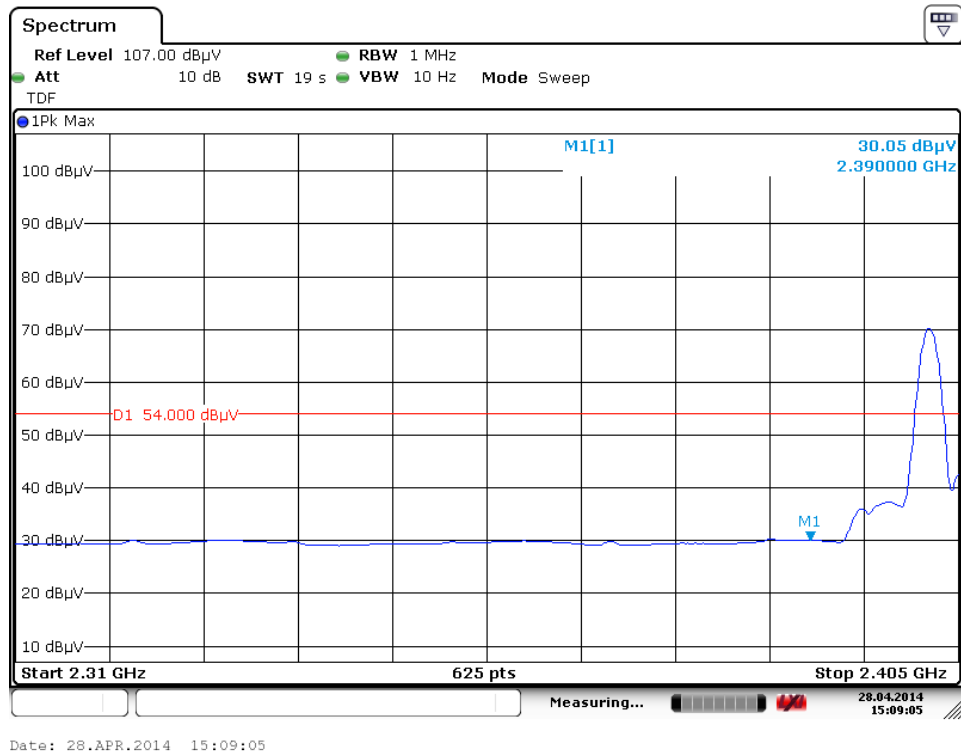
(File: 10046694AppendixD)

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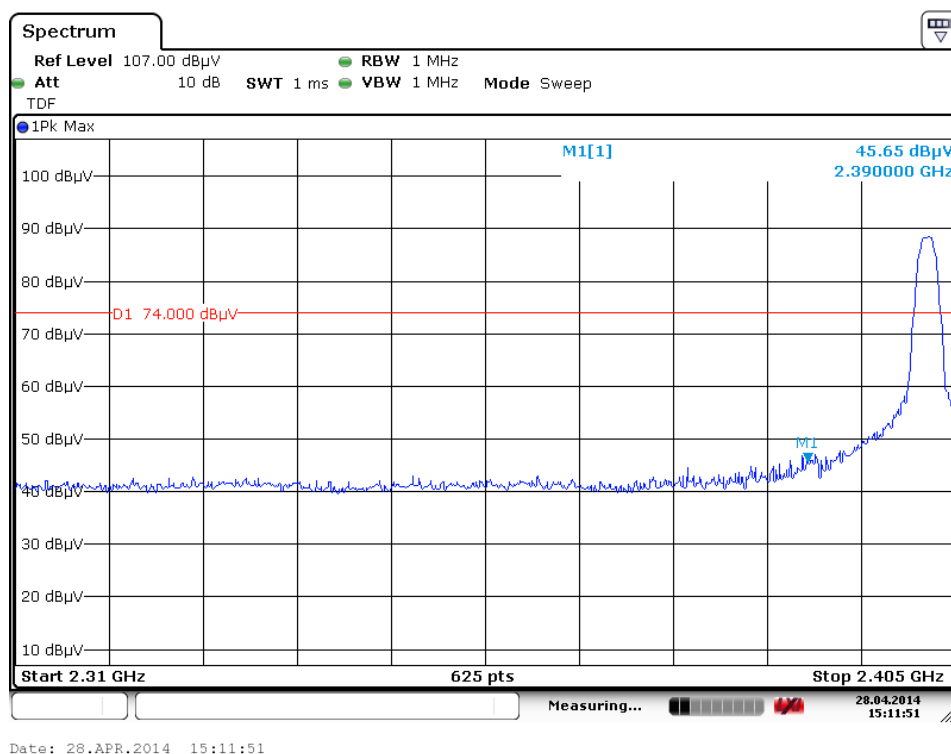
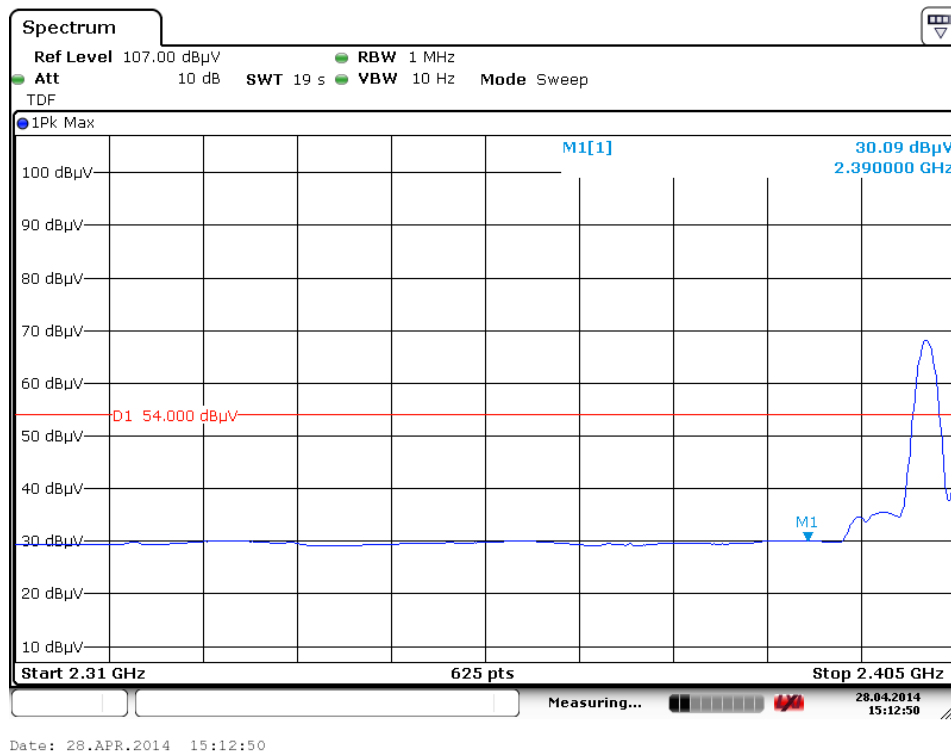
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Radiated Bandedge (GFSK)

Low Channel (Hor)



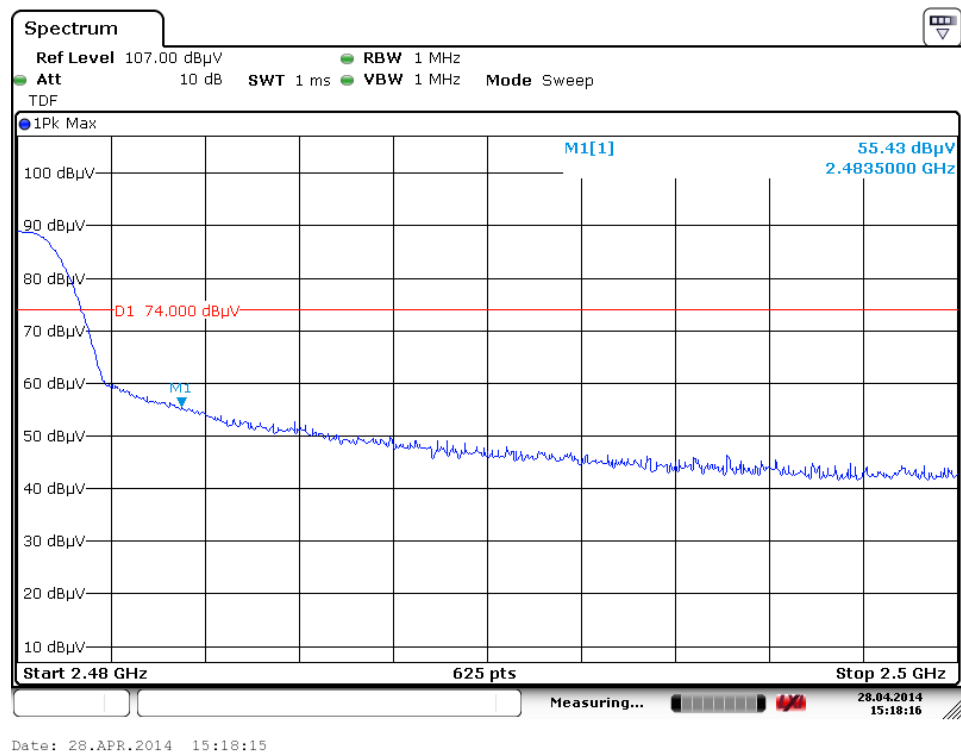
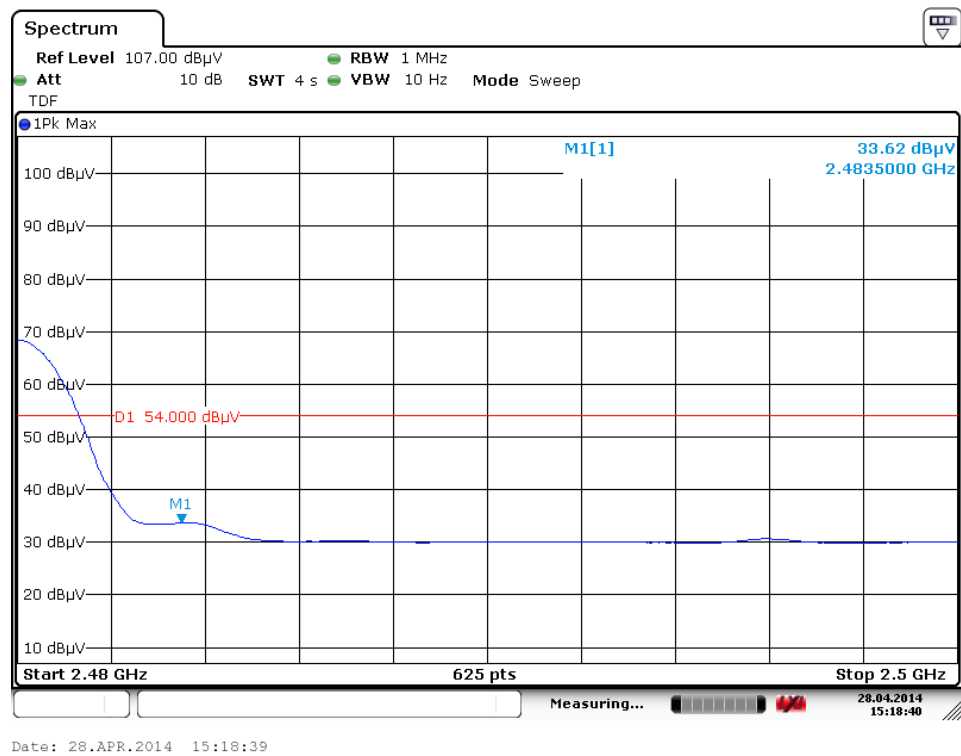
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

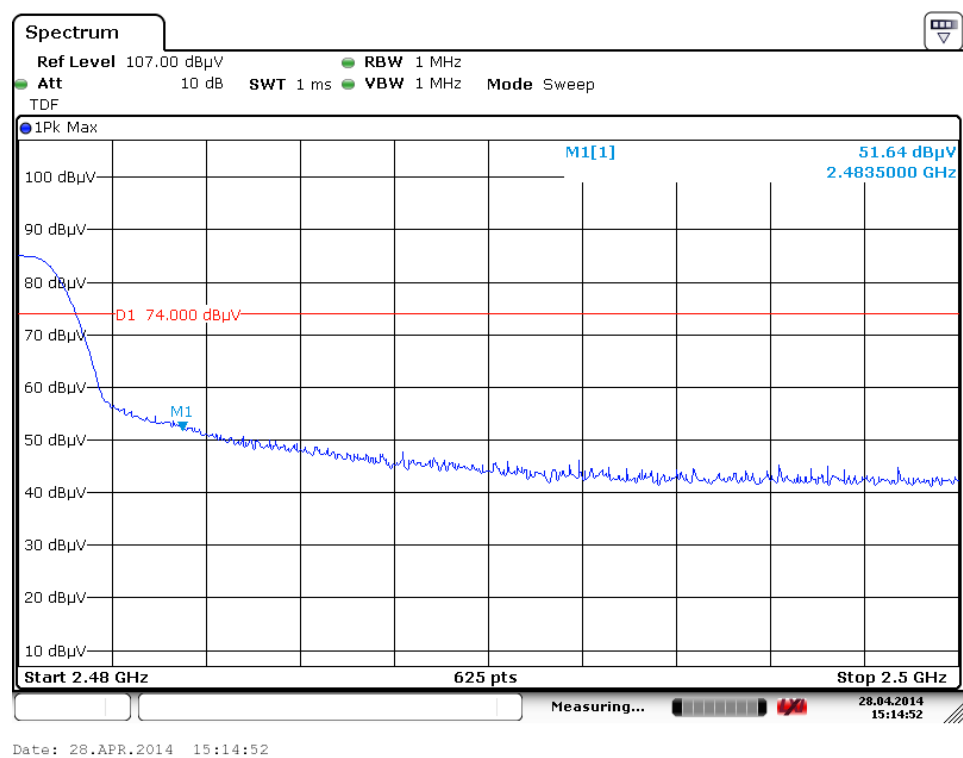
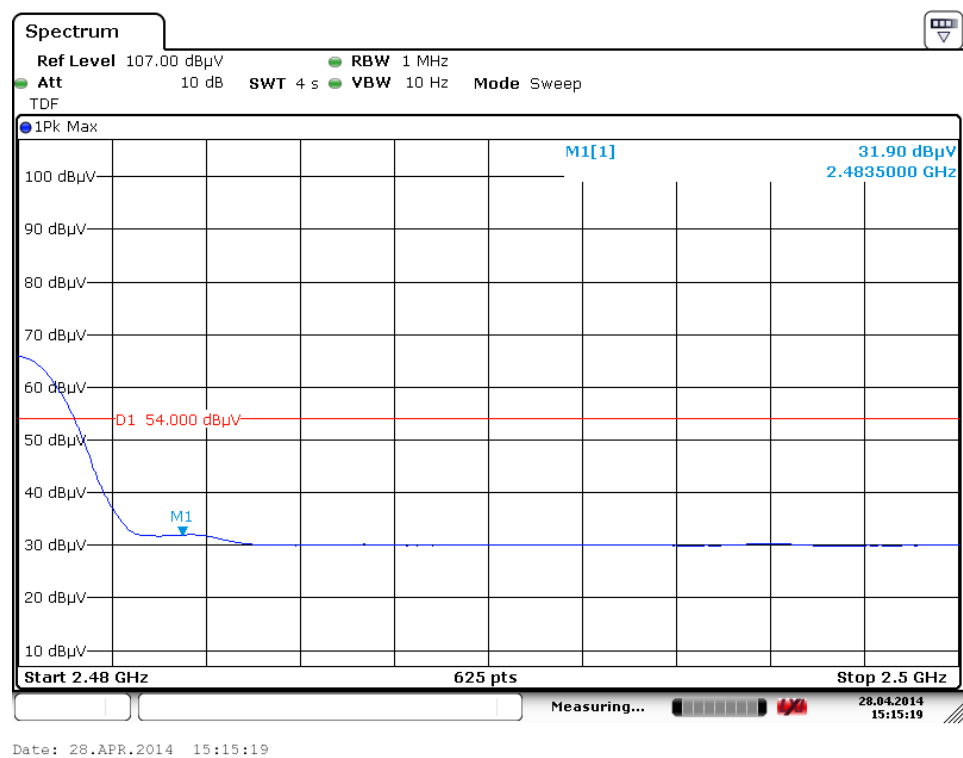
Radiated Bandedge (GFSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

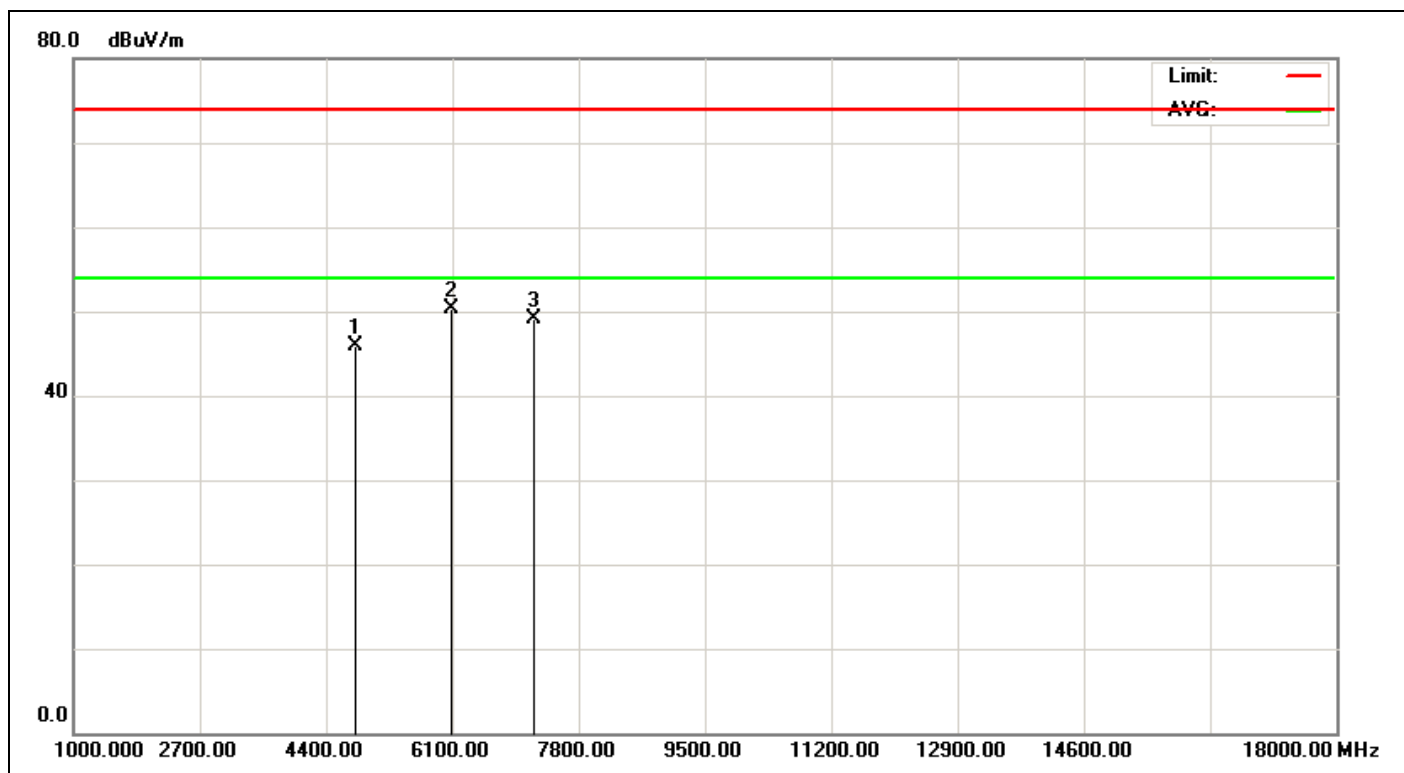
Spurious Emissions, TX Mode, 1-18G



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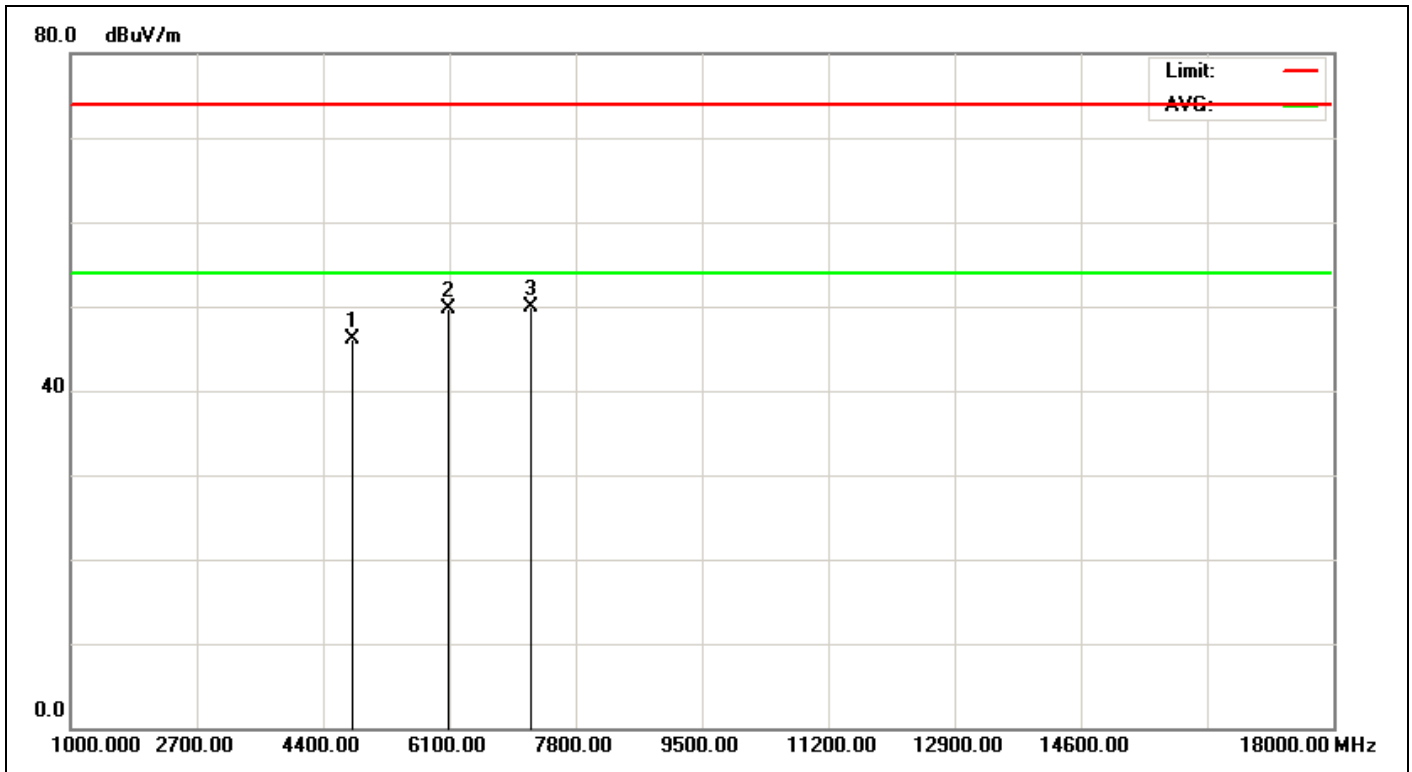
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Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/4/28 15:23:05
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%)	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
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	4804.000	-2.59	48.41	45.82	74.00	-28.18	peak			
2	6094.551	4.05	46.18	50.23	74.00	-23.77	peak	100	285	
3	7206.000	5.44	43.73	49.17	74.00	-24.83	peak			



Service No.: 114015946-LE FCC

Test Distance: 3m

Test Standard: FCC Above 1G PEAK

Ant. Polarization: Vertical

Test item: Radiation Emission

Test Time: 2014/4/28 15:24:07

Applicant: Adonit

Test Rating: DC 1.5V

Product: Bluetooth Pen

Temp.(°C)/Hum.(%): 22(°C)/56%

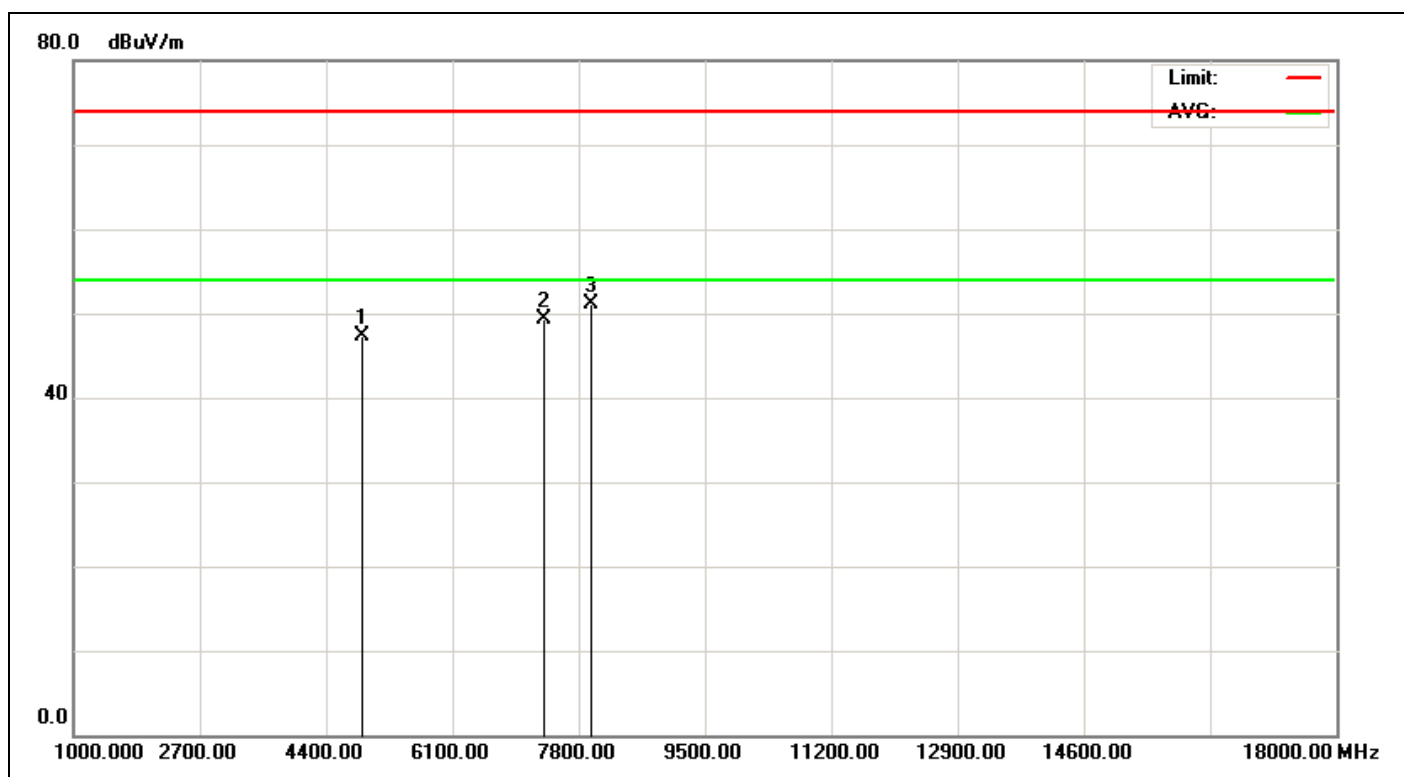
Model No.: JTPP

Test Engineer: Hugo Chang

Test Mode: 2402-TX

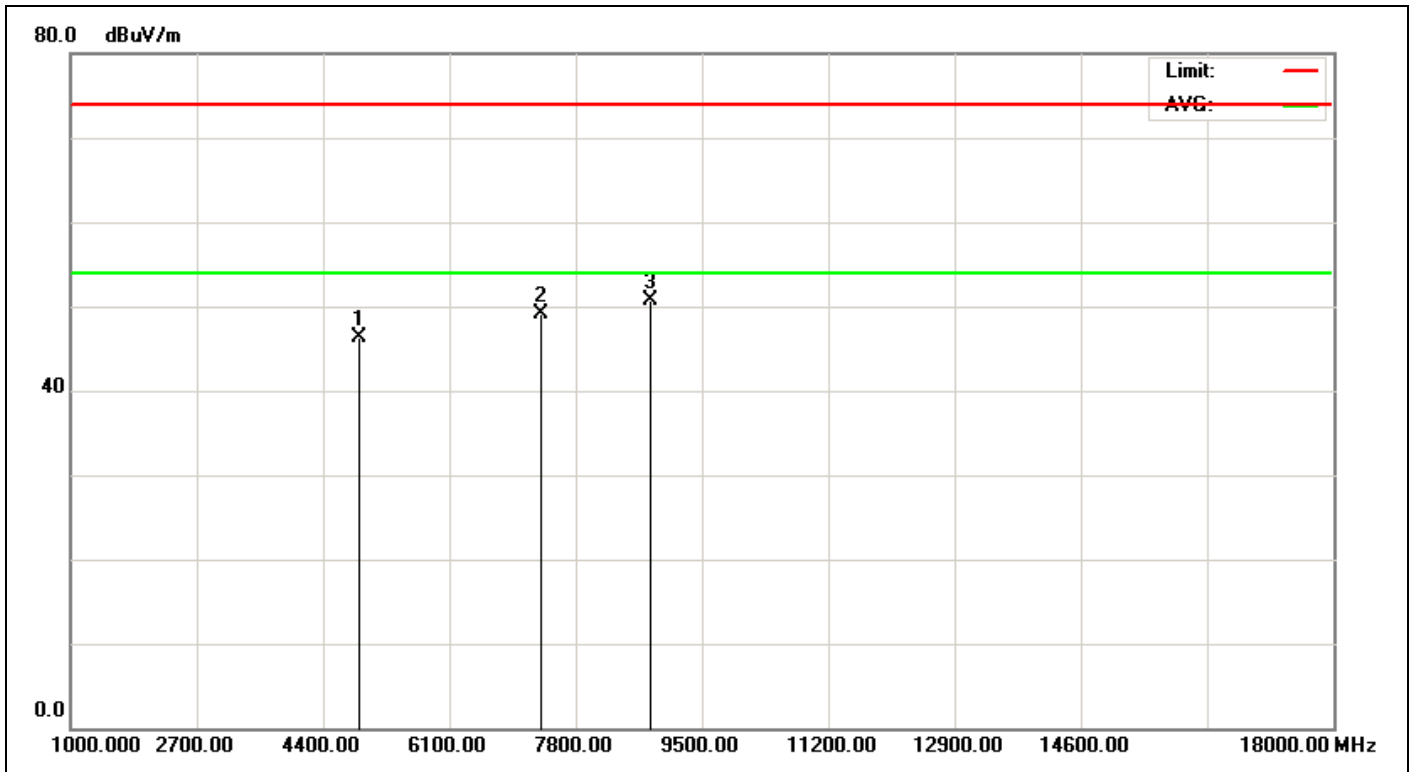
Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.59	48.61	46.02	74.00	-27.98	peak			
2	6094.551	4.05	45.58	49.63	74.00	-24.37	peak	100	354	
3	7206.000	5.44	44.56	50.00	74.00	-24.00	peak			



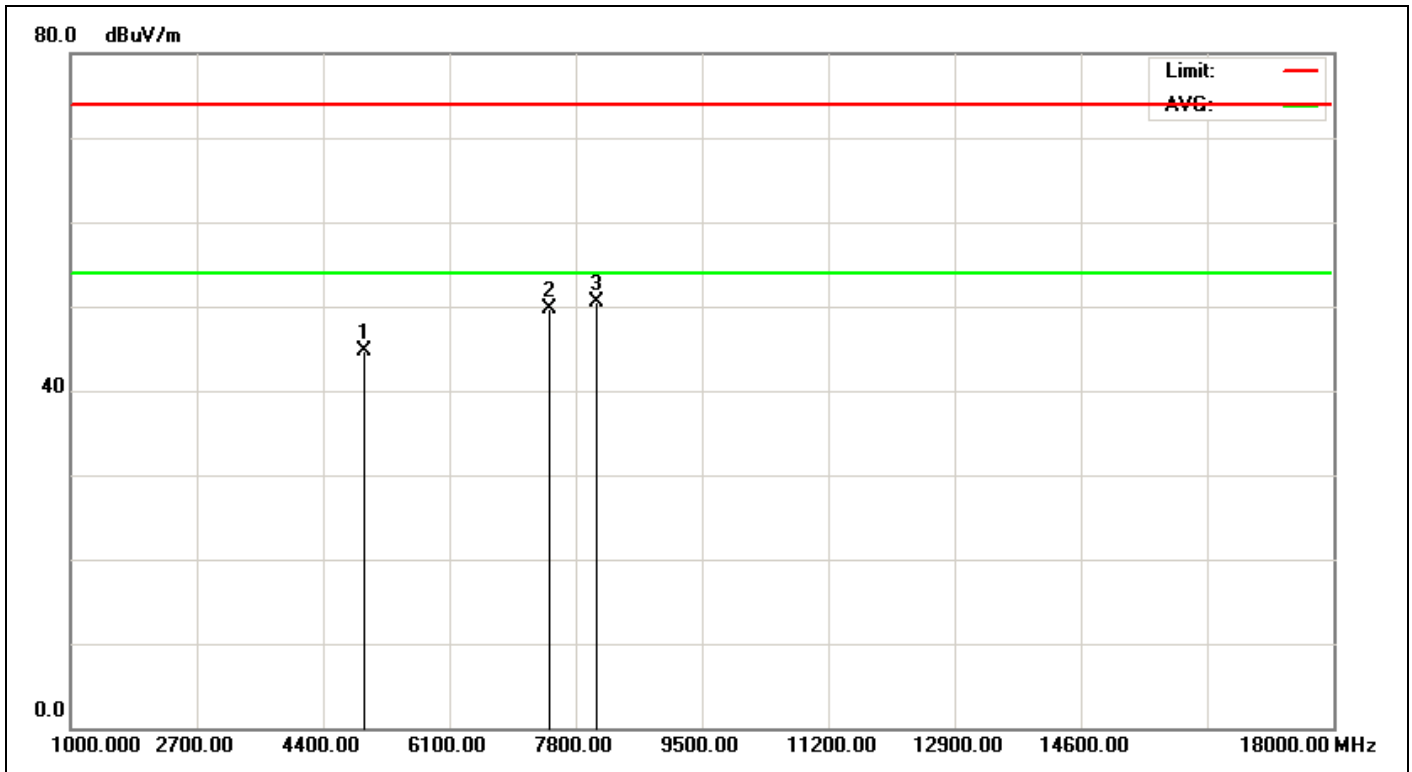
Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/4/28 15:25:44
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%)	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
Test Mode:	2442-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4884.000	-2.38	49.68	47.30	74.00	-26.70	peak			
2	7326.000	5.78	43.59	49.37	74.00	-24.63	peak			
3	7974.359	6.02	45.15	51.17	74.00	-22.83	peak	100	152	



Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/4/28 15:26:47
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%)	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
Test Mode:	2442-TX		
Remark:			

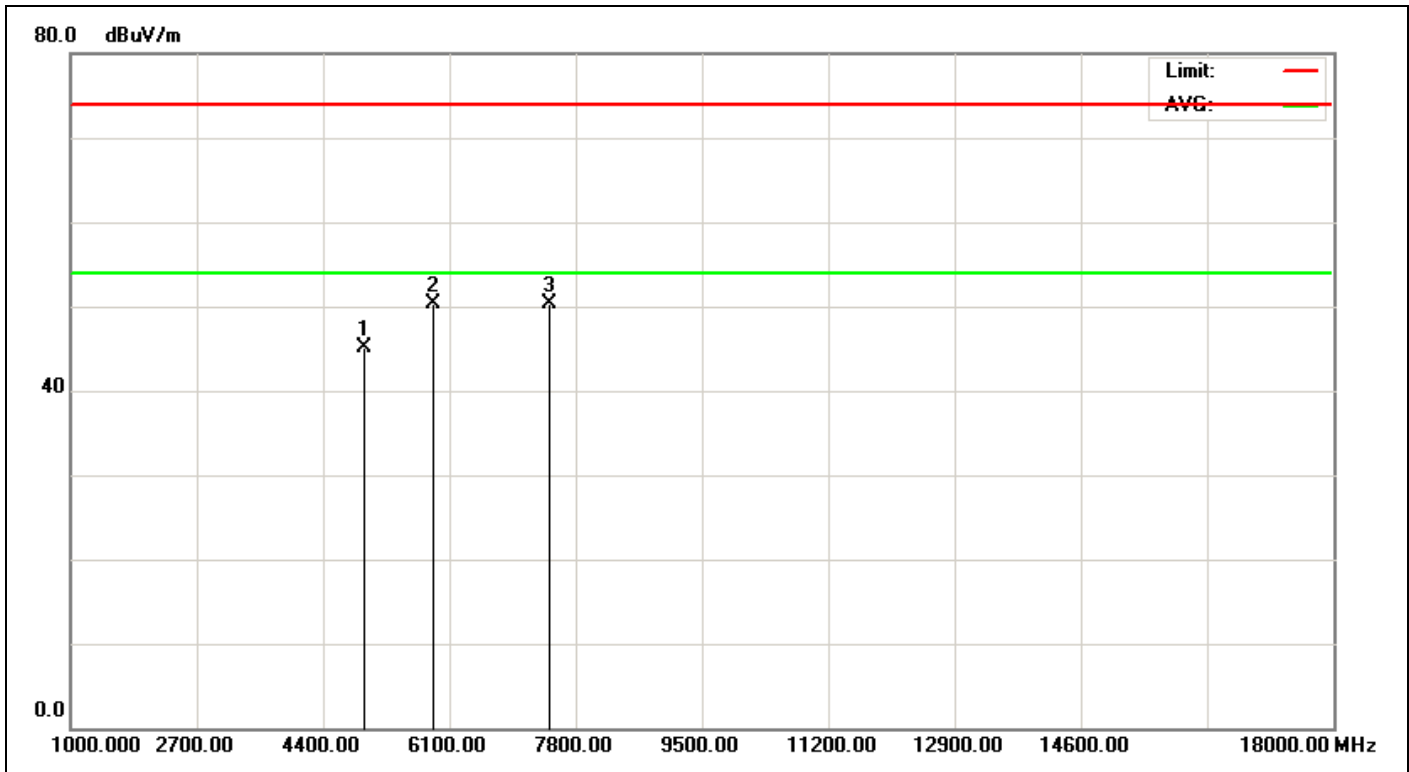
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4884.000	-2.38	48.63	46.25	74.00	-27.75	peak			
2	7326.000	5.78	43.35	49.13	74.00	-24.87	peak			
3	8818.910	6.72	43.93	50.65	74.00	-23.35	peak	100	2	



Service No.: 114015946-LE FCC
 Test Standard: FCC Above 1G PEAK
 Test item: Radiation Emission
 Applicant: Adonit
 Product: Bluetooth Pen
 Model No.: JTPP
 Test Mode: 2480-TX
 Remark:

Test Distance: 3m
 Ant. Polarization: Horizontal
 Test Time: 2014/4/28 15:29:58
 Test Rating: DC 1.5V
 Temp.(°C)/Hum.(%): 22(°C)/56%
 Test Engineer: Hugo Chang

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.19	46.98	44.79	74.00	-29.21	peak			
2	7440.000	6.09	43.58	49.67	74.00	-24.33	peak			
3	8083.333	6.08	44.52	50.60	74.00	-23.40	peak	100	141	



Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/4/28 15:31:00
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%)	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
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	4960.000	-2.19	47.27	45.08	74.00	-28.92	peak			
2	5876.602	2.88	47.39	50.27	74.00	-23.73	peak	100	266	
3	7440.000	6.09	44.21	50.30	74.00	-23.70	peak			

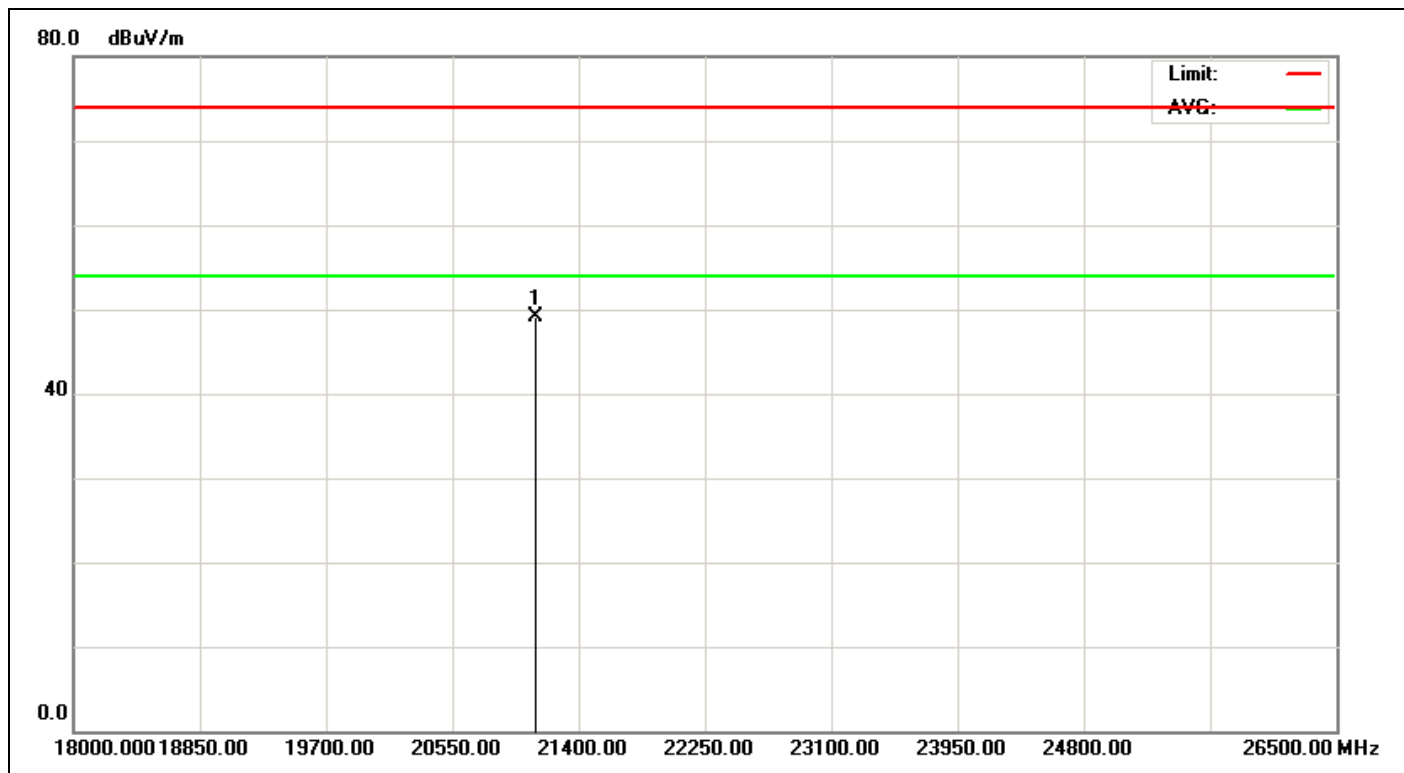
Spurious Emissions, TX Mode, 18-26G



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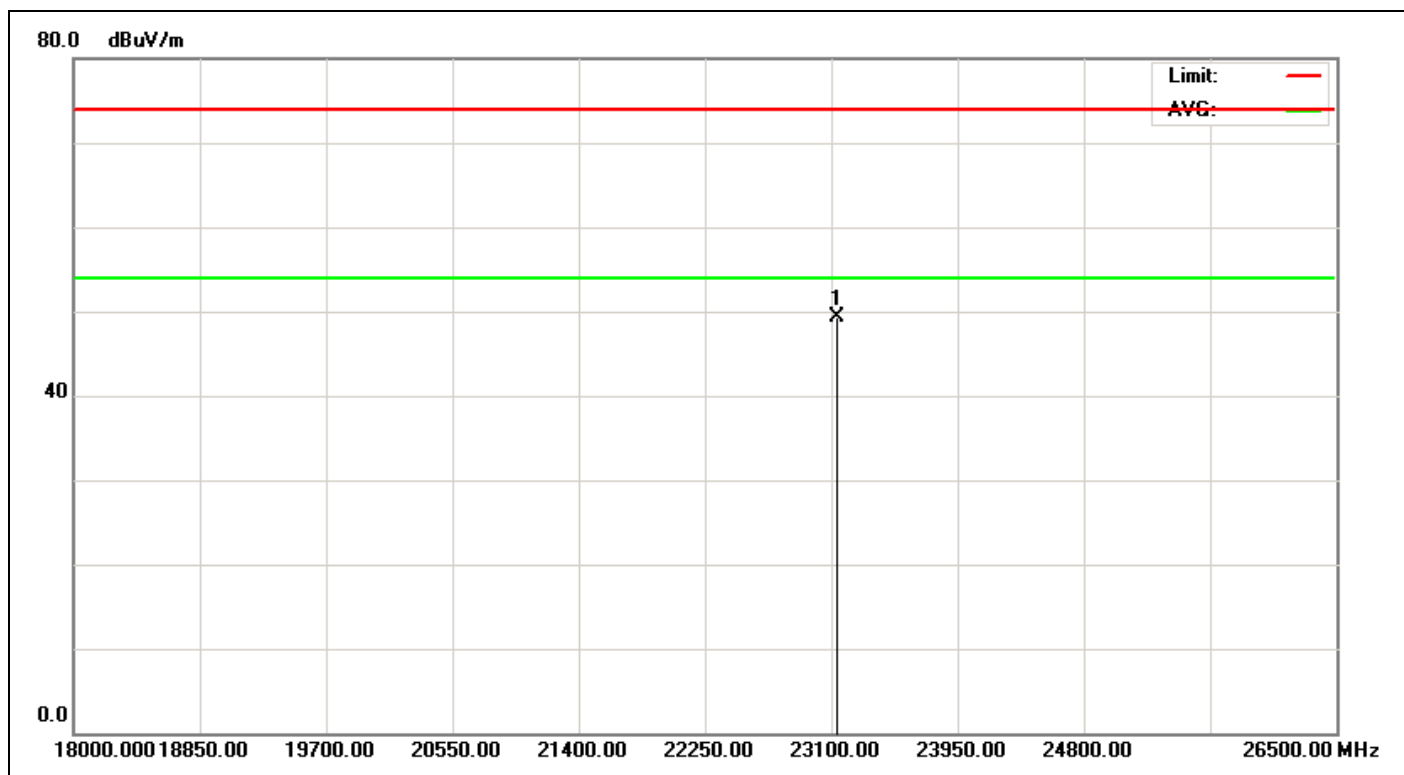
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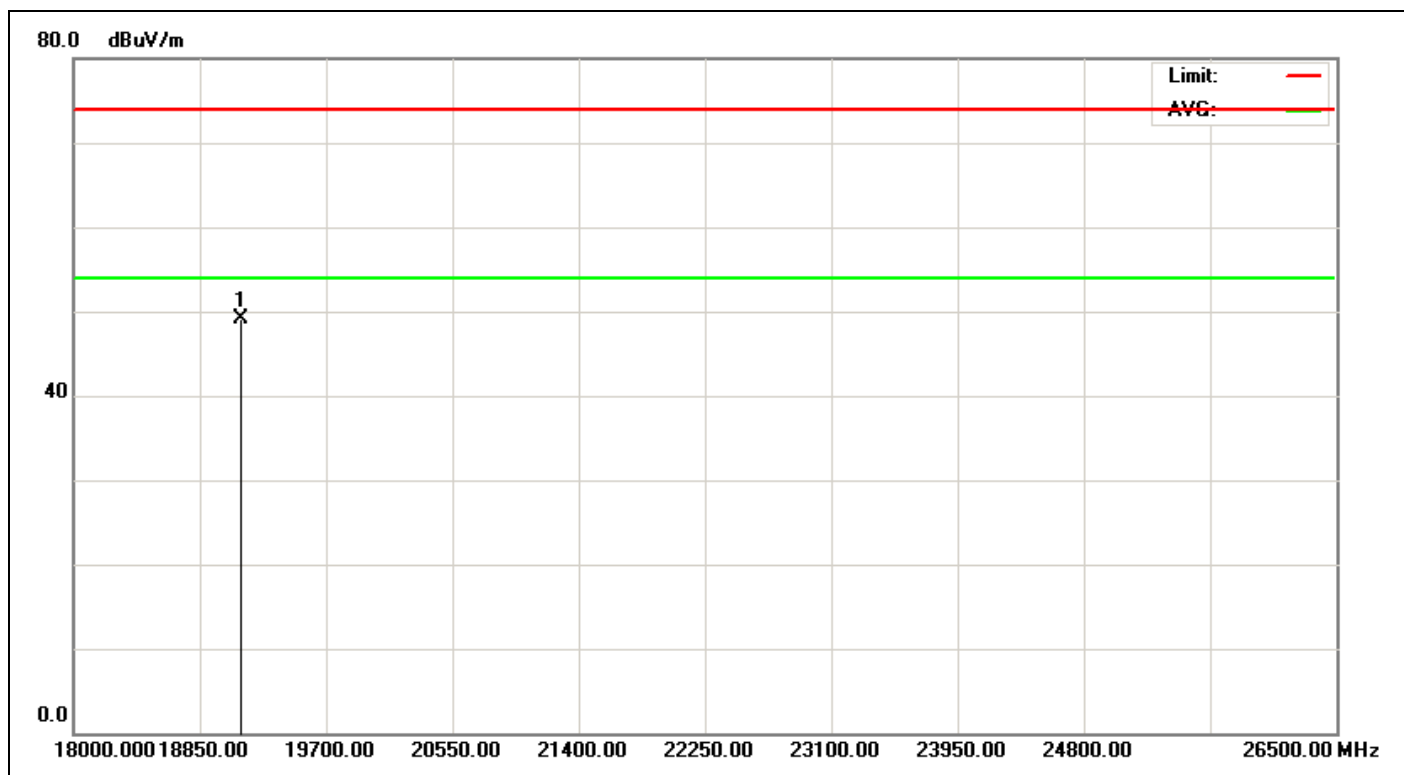
Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/4/28 15:40:11
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
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	21105.769	29.55	19.51	49.06	74.00	-24.94	peak			



Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/4/28 15:40:38
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
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	23135.417	30.24	18.97	49.21	74.00	-24.79	peak			



Service No.: 114015946-LE FCC

Test Distance: 3m

Test Standard: FCC Above 1G PEAK

Ant. Polarization: Horizontal

Test item: Radiation Emission

Test Time: 2014/4/28 15:41:04

Applicant: Adonit

Test Rating: DC 1.5V

Product: Bluetooth Pen

Temp.(°C)/Hum.(%): 22(°C)/56%

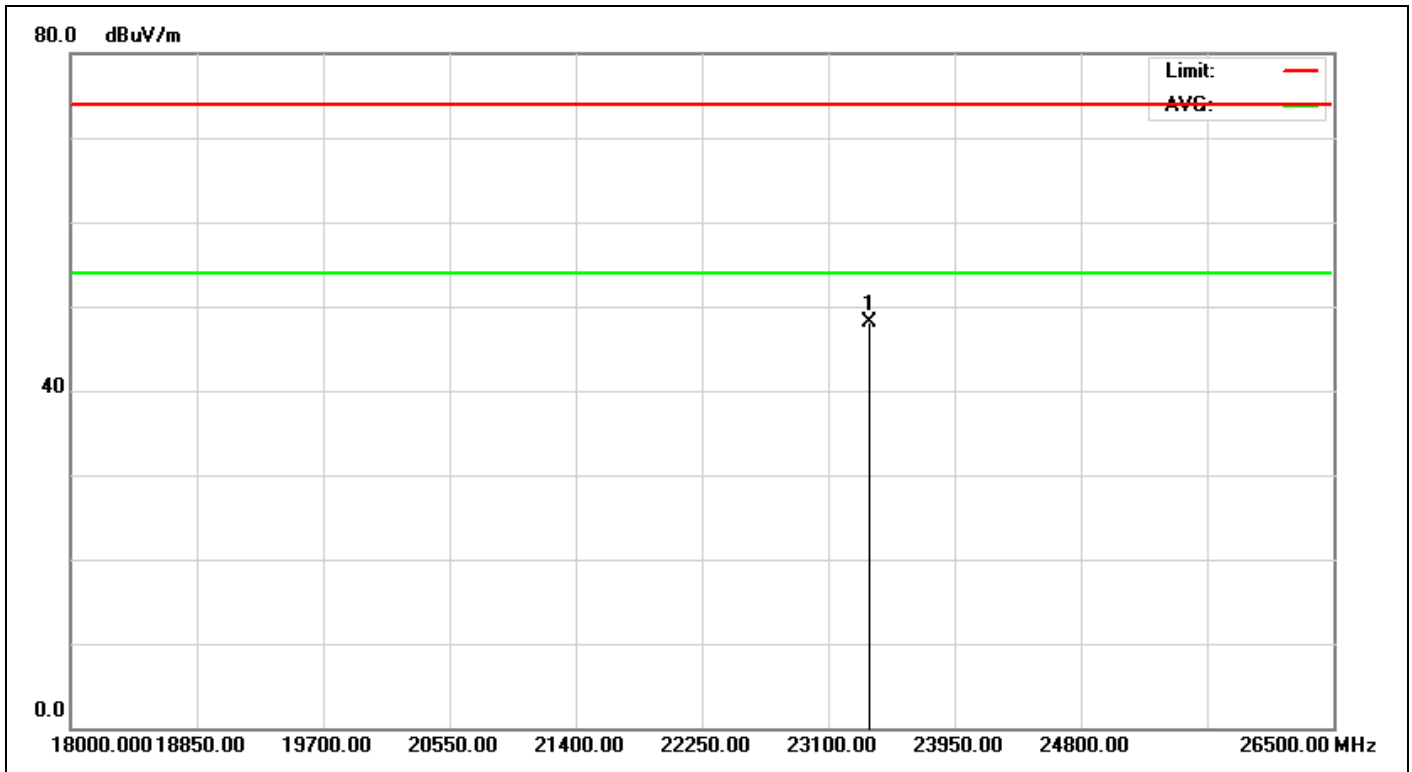
Model No.: JTPP

Test Engineer: Hugo Chang

Test Mode: 2442-TX

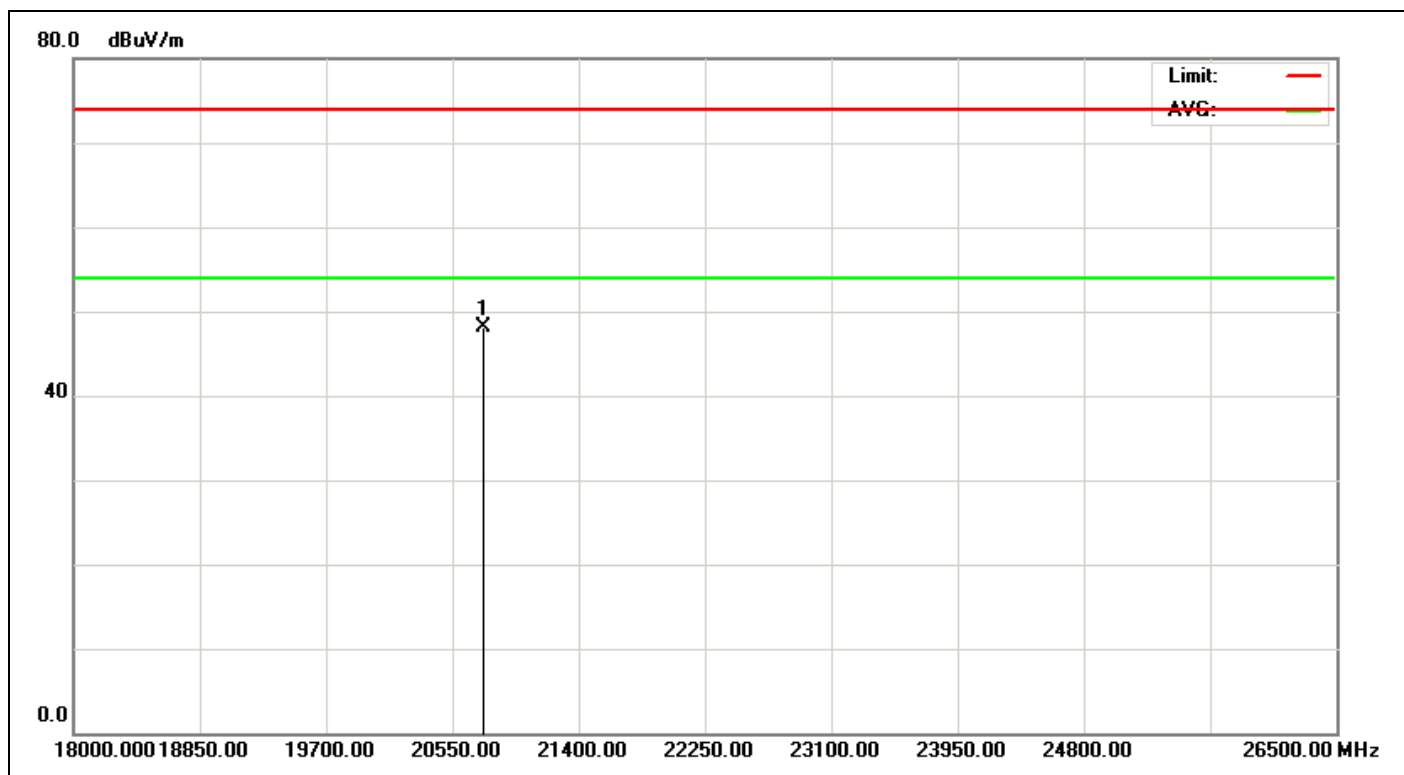
Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19130.609	29.68	19.51	49.19	74.00	-24.81	peak			



Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/4/28 15:41:29
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
Test Mode:	2442-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23380.609	30.15	17.98	48.13	74.00	-25.87	peak			



Service No.: 114015946-LE FCC

Test Distance: 3m

Test Standard: FCC Above 1G PEAK

Ant. Polarization: Horizontal

Test item: Radiation Emission

Test Time: 2014/4/28 15:41:57

Applicant: Adonit

Test Rating: DC 1.5V

Product: Bluetooth Pen

Temp.(°C)/Hum.(%): 22(°C)/56%

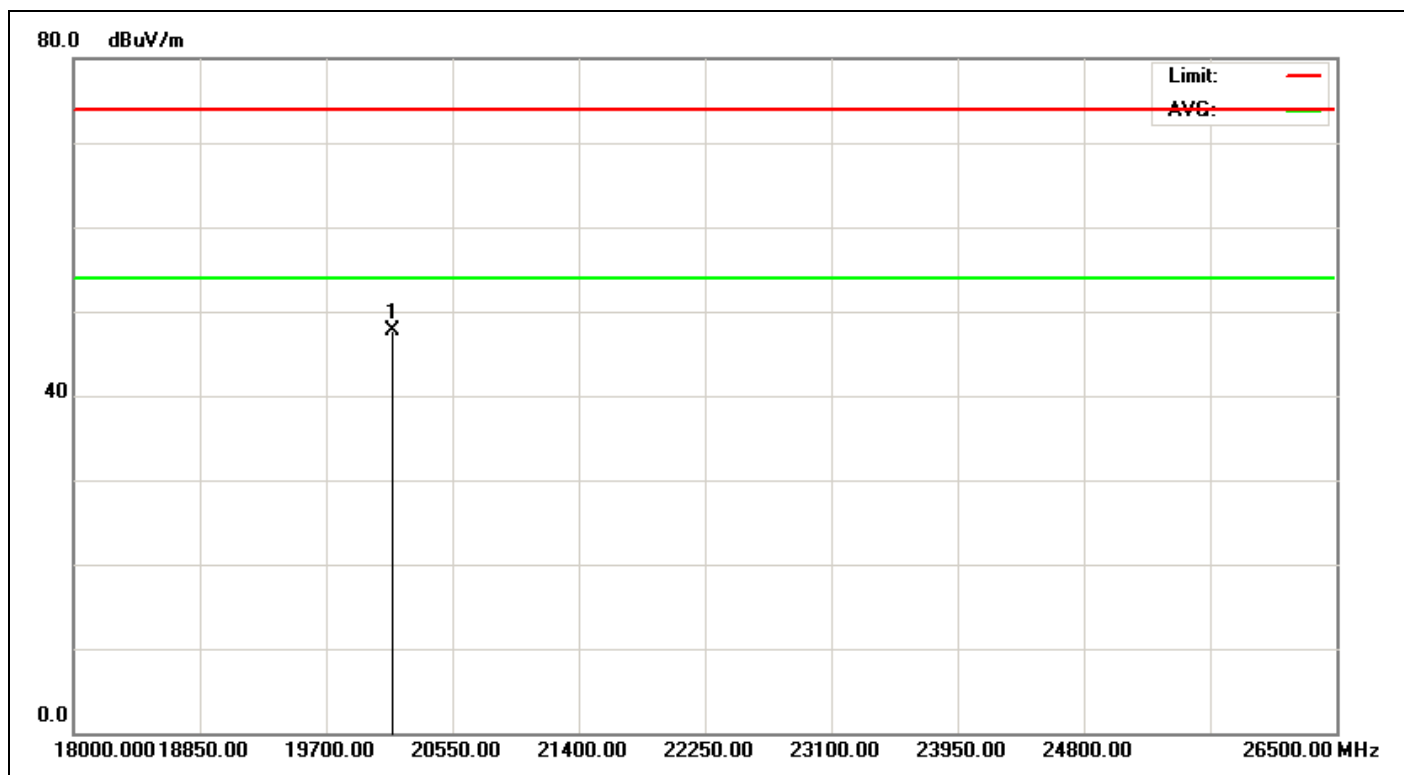
Model No.: JTPP

Test Engineer: Hugo Chang

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	20765.224	29.57	18.56	48.13	74.00	-25.87	peak			



Service No.: 114015946-LE FCC

Test Distance: 3m

Test Standard: FCC Above 1G PEAK

Ant. Polarization: Vertical

Test item: Radiation Emission

Test Time: 2014/4/28 15:42:23

Applicant: Adonit

Test Rating: DC 1.5V

Product: Bluetooth Pen

Temp.(°C)/Hum.(%): 22(°C)/56%

Model No.: JTPP

Test Engineer: Hugo Chang

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	20152.244	29.39	18.37	47.76	74.00	-26.24	peak			

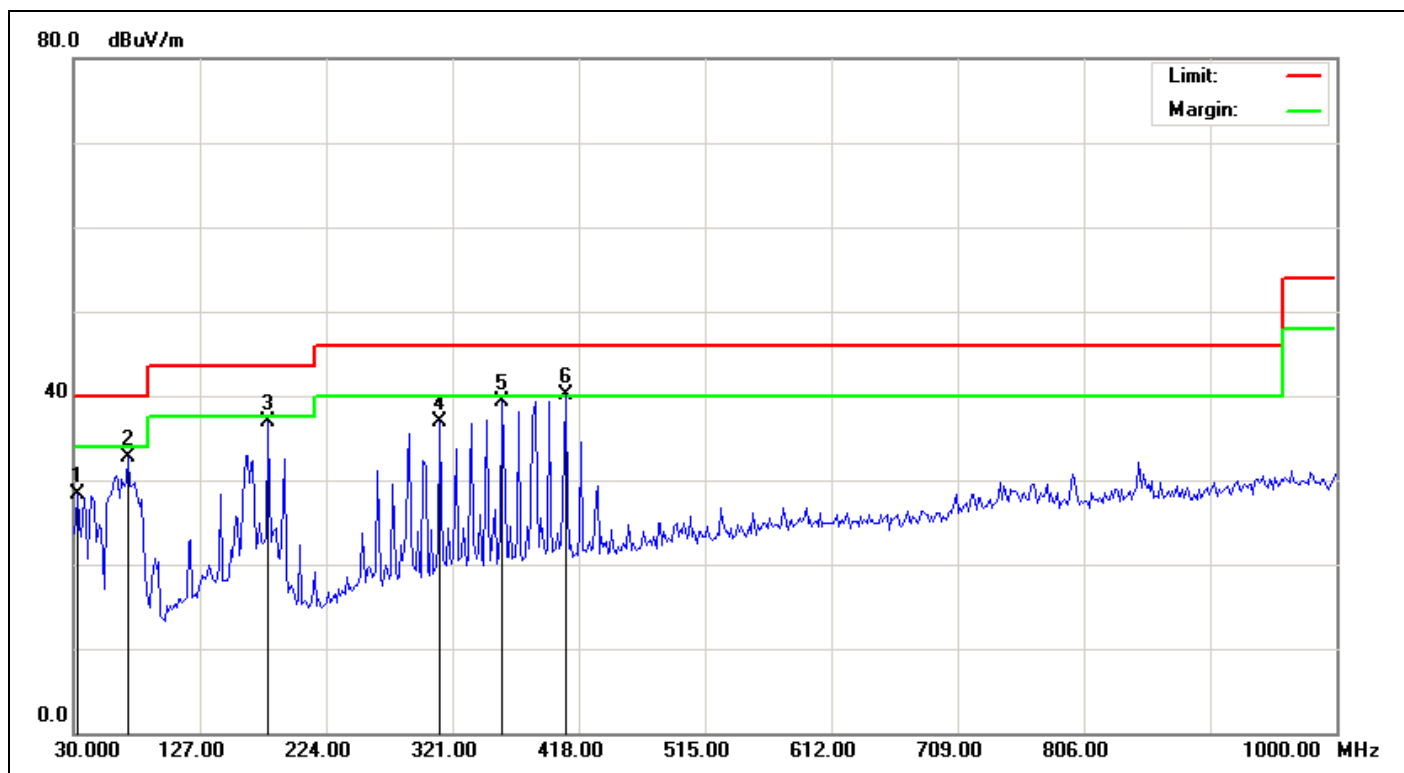
Spurious Emissions, TX Mode, 30M-1G



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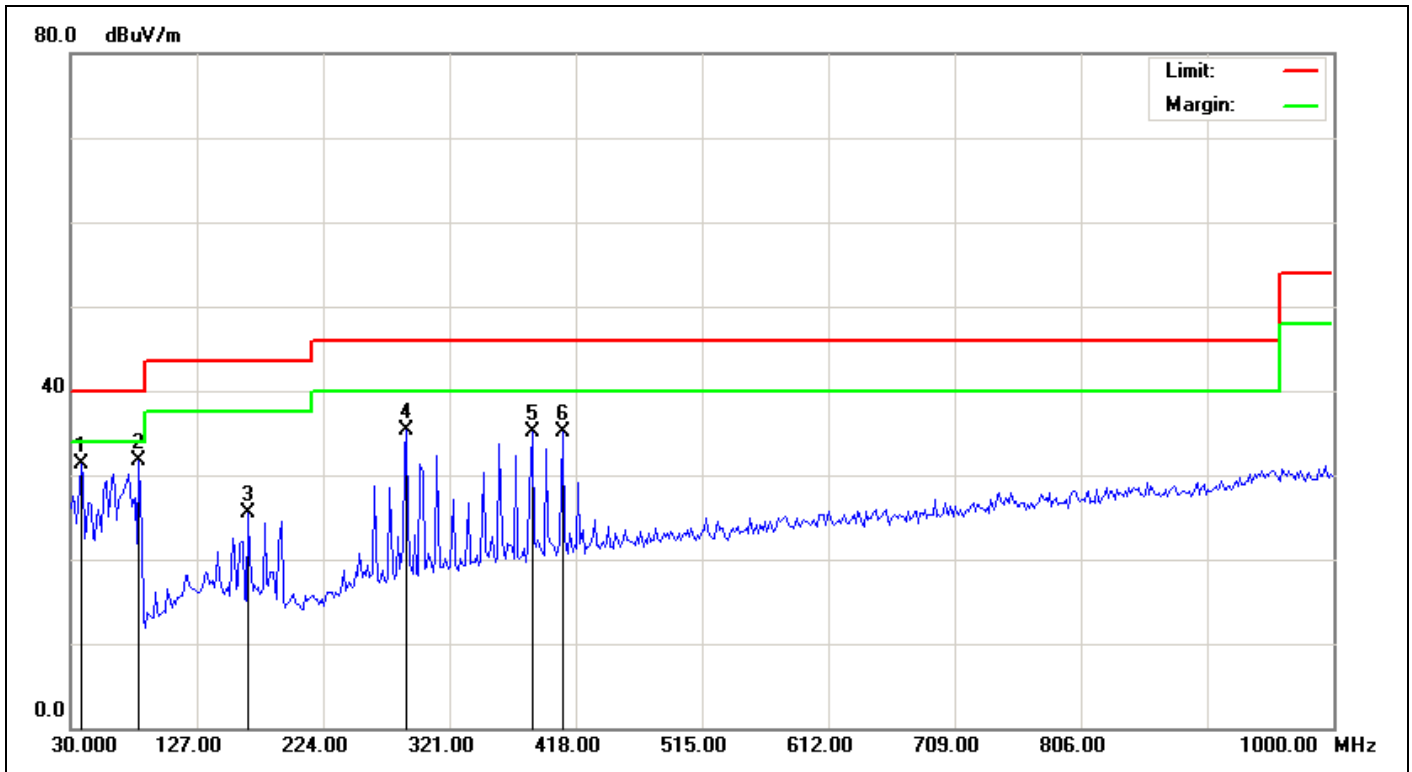
Tel:+886-2-2172-7000 Fax:+886-2-2528-0018



Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/4/28 15:55:25
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%)	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
Test Mode:	TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	33.1089	-7.78	36.10	28.32	40.00	-11.68	QP	100	330	
2	71.9711	-18.64	51.38	32.74	40.00	-7.26	QP	100	330	
3	179.2307	-15.48	52.30	36.82	43.50	-6.68	QP	100	359	
4	311.3621	-10.19	47.01	36.82	46.00	-9.18	QP	100	20	
5	359.5512	-9.33	48.71	39.38	46.00	-6.62	QP	100	197	
6	407.7403	-8.50	48.68	40.18	46.00	-5.82	QP	100	184	

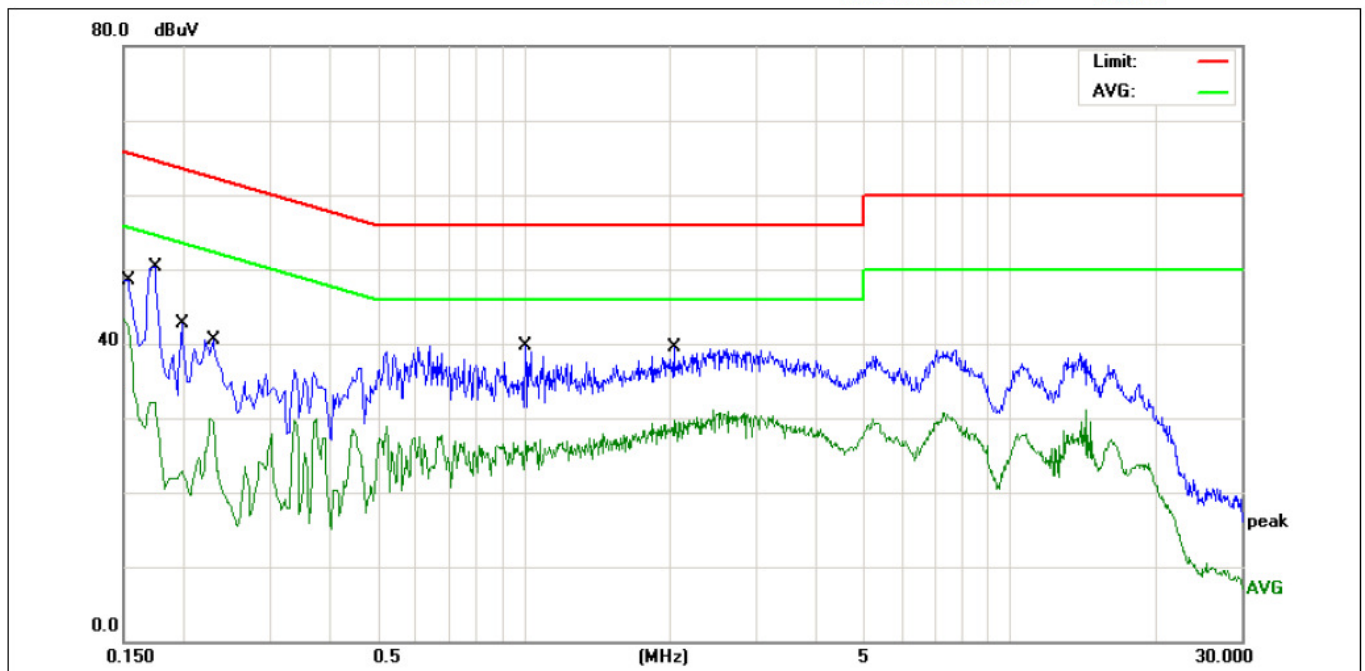
Spurious Emissions, TX Mode, 30M-1G



Service No.:	114015946-LE FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/4/28 15:56:27
Applicant:	Adonit	Test Rating:	DC 1.5V
Product:	Bluetooth Pen	Temp.(°C)/Hum.(%)	22(°C)/56%
Model No.:	JTPP	Test Engineer:	Hugo Chang
Test Mode:	TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	37.7724	-10.36	41.68	31.32	40.00	-8.68	QP	100	234	
2	82.8525	-17.49	49.12	31.63	40.00	-8.37	QP	100	27	
3	166.7948	-14.59	40.06	25.47	43.50	-18.03	QP	100	301	
4	288.0448	-10.83	46.04	35.21	46.00	-10.79	QP	100	80	
5	384.4229	-8.89	44.02	35.13	46.00	-10.87	QP	100	356	
6	407.7403	-8.50	43.52	35.02	46.00	-10.98	QP	100	349	

Mains Spurious Emissions



Service No.: 114015946

Test Standard: FCC Part 15 Class B Conduction

Test item: Conducted Emission

Phase: L1

Applicant: Adonit Co.,Ltd

Temp.(°C)/Hum.(%): 22.9(°C) / 57 %

Product: Bluetooth Pen

Power Rating: DC 5V

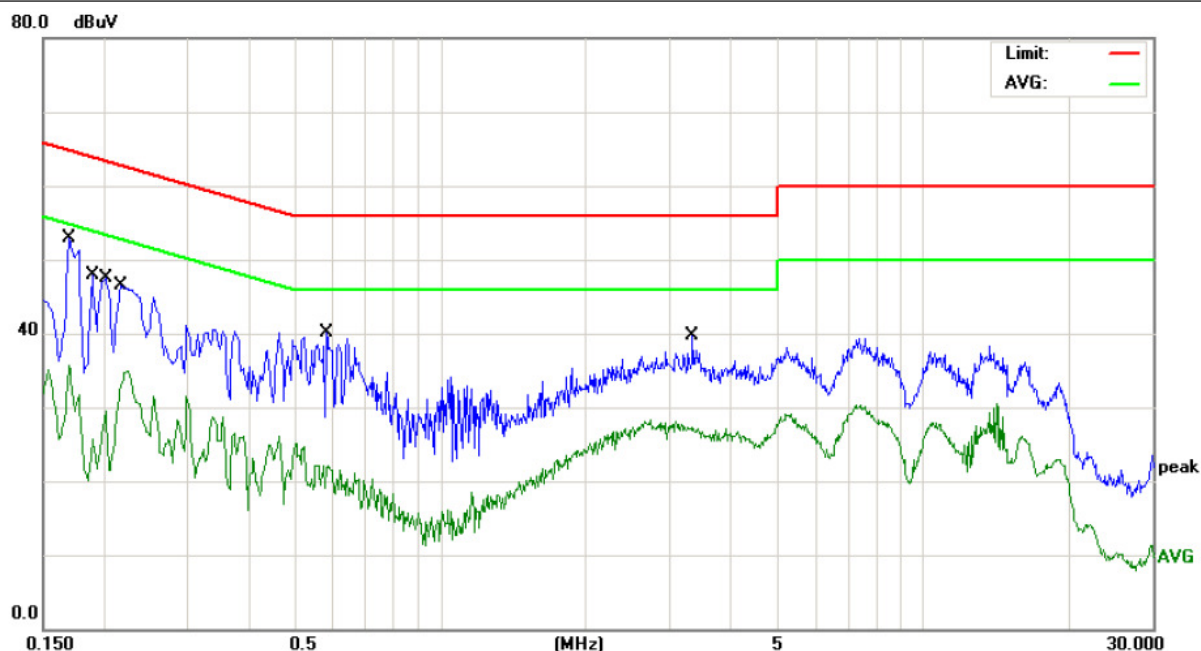
Model No.: Jot Touch Poxel Point

Test Engineer: Freeman Wang

Test Mode: (b)charge mode

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1539	9.62	34.47	44.09	65.78	-21.69	QP	P	
2	0.1539	9.62	22.36	31.98	55.78	-23.80	AVG	P	
3	0.1740	9.62	36.89	46.51	64.76	-18.25	QP	P	
4	0.1740	9.62	19.74	29.36	54.76	-25.40	AVG	P	
5	0.1980	9.60	28.53	38.13	63.69	-25.56	QP	P	
6	0.1980	9.60	12.81	22.41	53.69	-31.28	AVG	P	
7	0.2300	9.60	24.95	34.55	62.45	-27.90	QP	P	
8	0.2300	9.60	14.33	23.93	52.45	-28.52	AVG	P	
9	1.0100	9.60	21.50	31.10	56.00	-24.90	QP	P	
10	1.0100	9.60	15.37	24.97	46.00	-21.03	AVG	P	
11	2.0380	9.62	24.13	33.75	56.00	-22.25	QP	P	
12	2.0380	9.62	18.73	28.35	46.00	-17.65	AVG	P	



Service No.: 114015946

Test Standard: FCC Part 15 Class B Conduction

Test item: Conducted Emission

Phase: N

Applicant: Adonit Co.,Ltd

Temp.(°C)/Hum.(%): 22.9(°C) / 57 %

Product: Bluetooth Pen

Power Rating: DC 5V

Model No.: Jot Touch Poxel Point

Test Engineer: Freeman Wang

Test Mode: (b)charge mode

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1700	9.59	37.35	46.94	64.96	-18.02	QP	P	
2	0.1700	9.59	18.70	28.29	54.96	-26.67	AVG	P	
3	0.1900	9.57	34.17	43.74	64.03	-20.29	QP	P	
4	0.1900	9.57	14.45	24.02	54.03	-30.01	AVG	P	
5	0.2020	9.57	32.34	41.91	63.52	-21.61	QP	P	
6	0.2020	9.57	14.52	24.09	53.52	-29.43	AVG	P	
7	0.2180	9.57	31.93	41.50	62.89	-21.39	QP	P	
8	0.2180	9.57	21.76	31.33	52.89	-21.56	AVG	P	
9	0.5820	9.57	23.00	32.57	56.00	-23.43	QP	P	
10	0.5820	9.57	11.09	20.66	46.00	-25.34	AVG	P	
11	3.3380	9.61	21.35	30.96	56.00	-25.04	QP	P	
12	3.3380	9.61	15.66	25.27	46.00	-20.73	AVG	P	