

Test Report No.50317239 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50317239 001AppendixD)

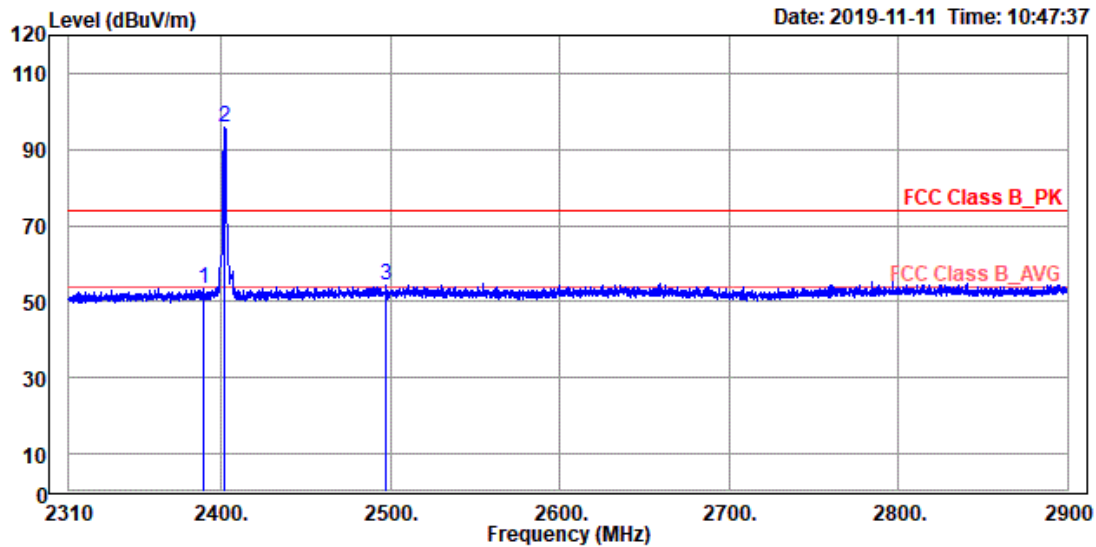
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Spurious Emissions, Band Edges

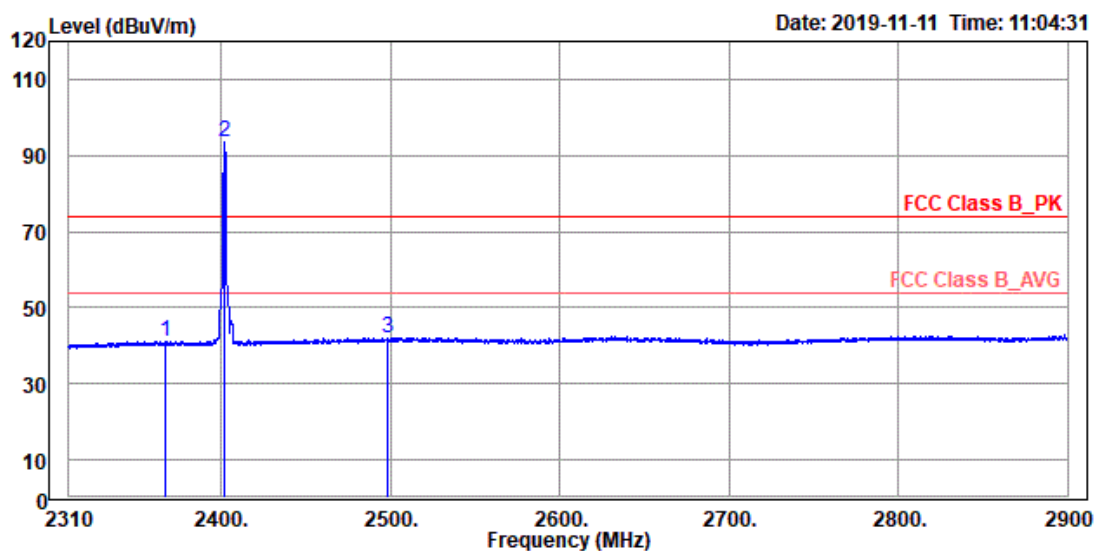


TÜV Rheinland Taiwan Ltd.
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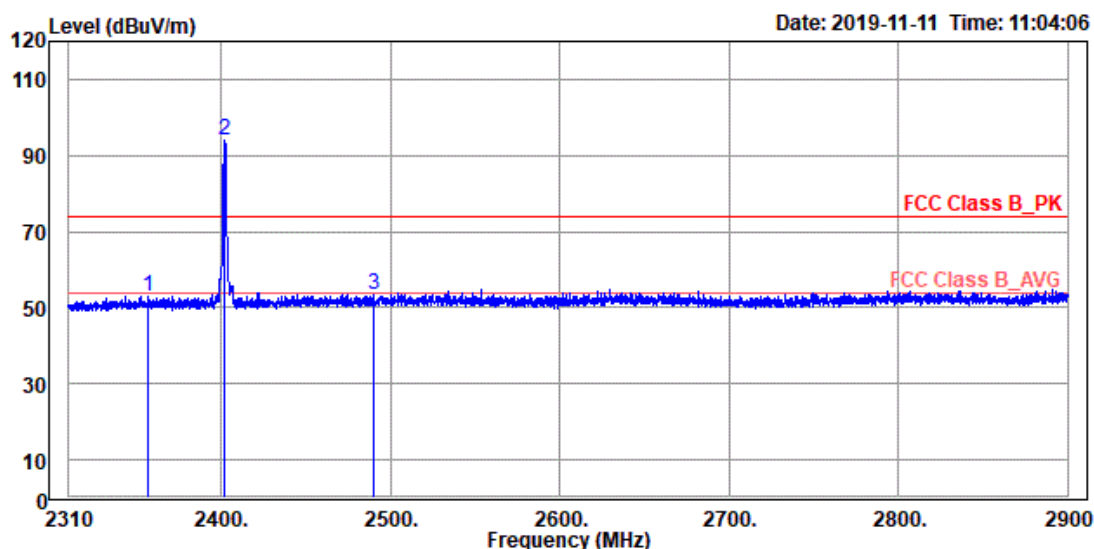
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2402MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2389.296	53.46	16.03	37.43	74.00	-20.54	298	14	Peak
2 *	2401.804	95.88	58.40	37.48	74.00	21.88	298	14	Peak
3	2496.912	54.51	16.73	37.78	74.00	-19.49	298	14	Peak



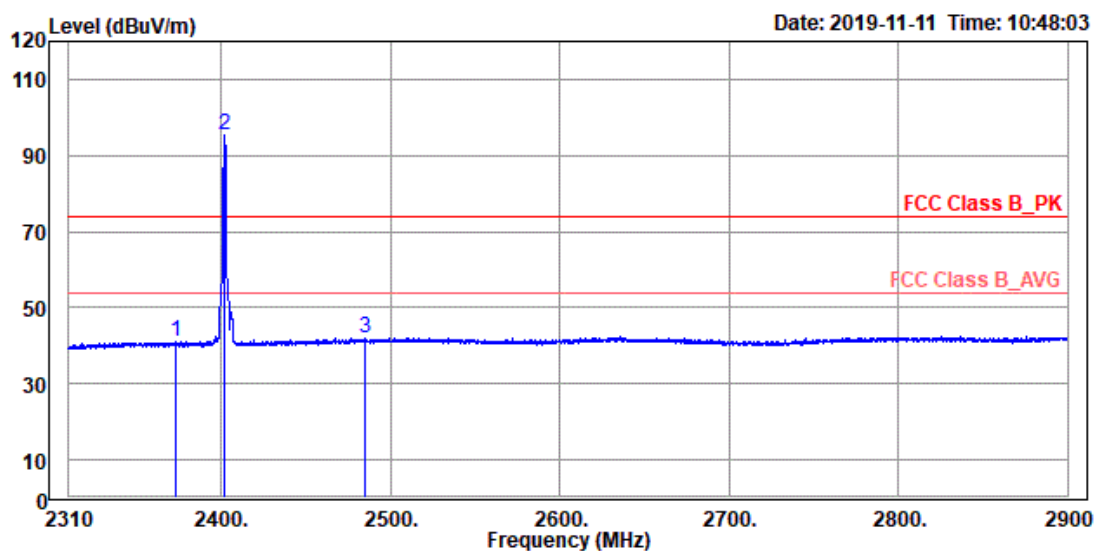
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2402MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2366.994	41.28	3.92	37.36	54.00	-12.72	226	335	Average
2 *	2401.922	93.55	56.07	37.48	54.00	39.55	226	335	Average
3	2498.446	42.16	4.38	37.78	54.00	-11.84	226	335	Average



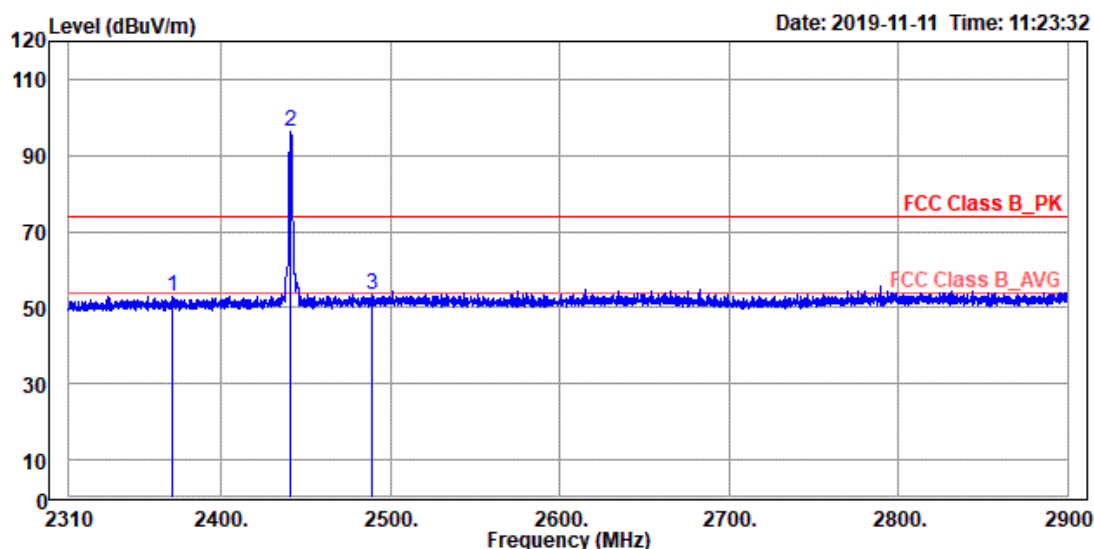
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2402MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2357.082	52.96	15.64	37.32	74.00	-21.04	226	335	Peak
2 *	2401.922	94.00	56.52	37.48	74.00	20.00	226	335	Peak
3	2489.714	53.23	15.46	37.77	74.00	-20.77	226	335	Peak



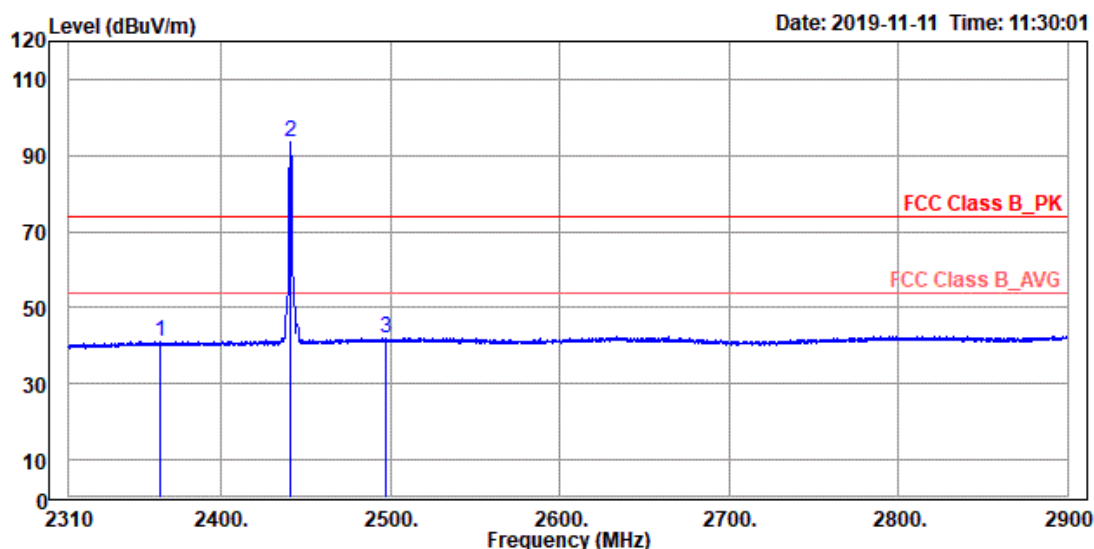
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2402MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2373.012	40.99	3.61	37.38	54.00	-13.01	298	14	Average
2 *	2401.922	95.45	57.97	37.48	54.00	41.45	298	14	Average
3	2484.522	41.80	4.04	37.76	54.00	-12.20	298	14	Average



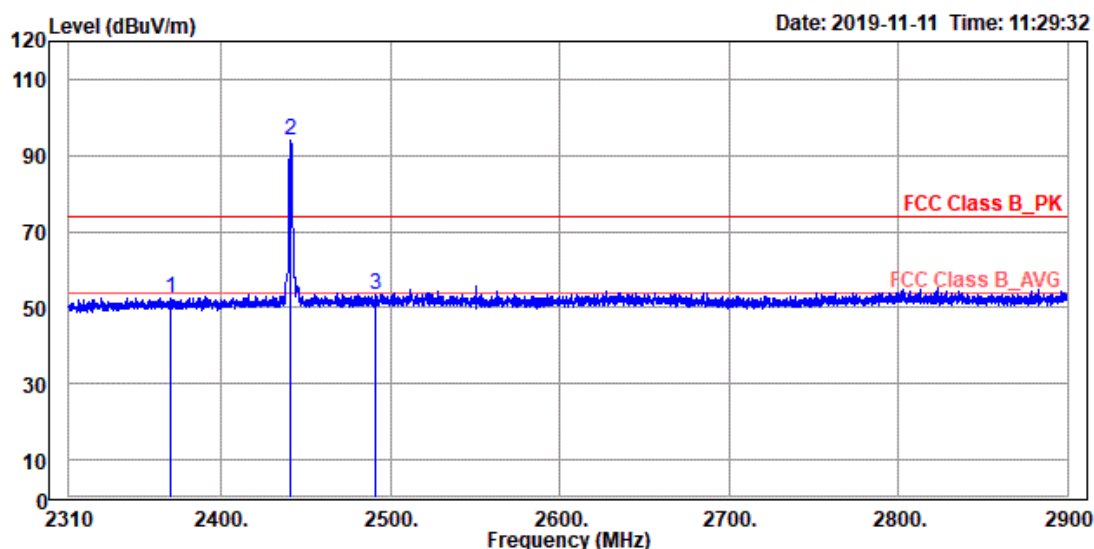
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2441MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2371.124	52.79	15.42	37.37	74.00	-21.21	323	13	Peak
2 *	2440.862	96.05	58.38	37.67	74.00	22.05	323	13	Peak
3	2489.360	53.17	15.40	37.77	74.00	-20.83	323	13	Peak



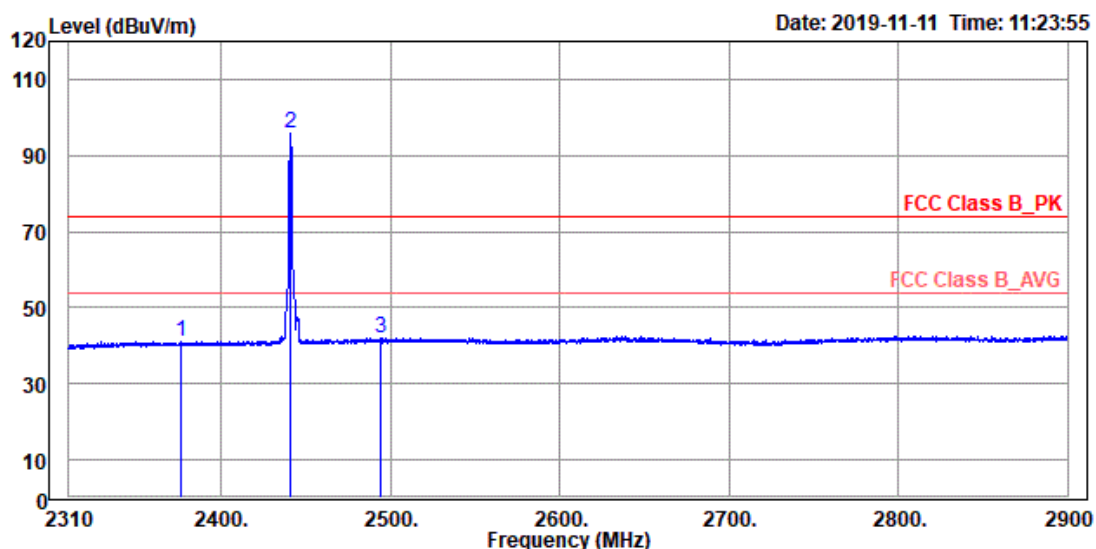
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2441MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2363.572	41.08	3.73	37.35	54.00	-12.92	275	335	Average
2 *	2440.980	93.54	55.87	37.67	54.00	39.54	275	335	Average
3	2496.912	41.96	4.18	37.78	54.00	-12.04	275	335	Average



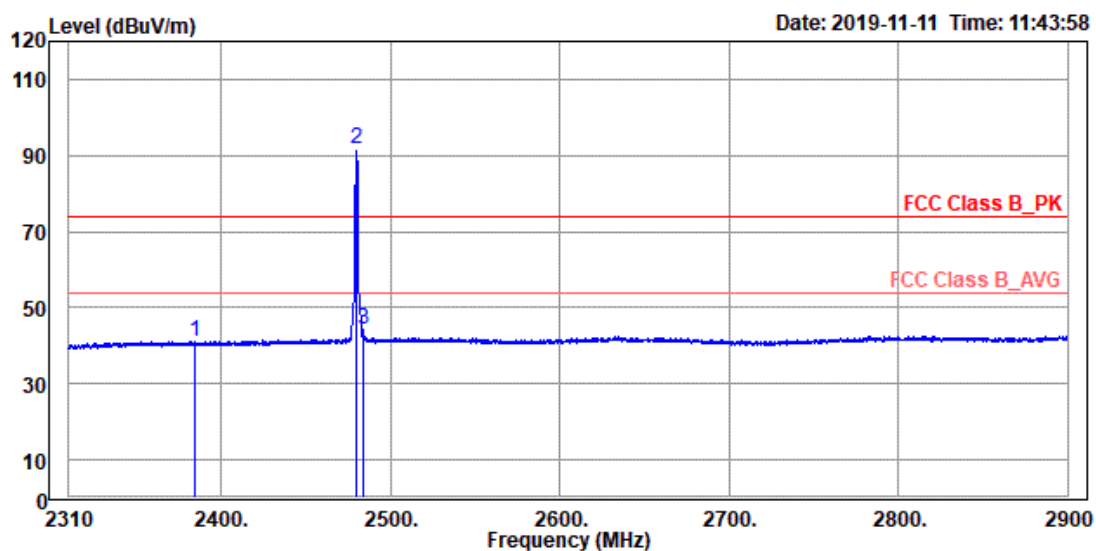
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Condition : FCC Class B_PK Vertical
Test Engineer: Simon Tsai
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Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2370.416	52.66	15.29	37.37	74.00	-21.34	275	335	Peak
2 *	2440.862	93.96	56.29	37.67	74.00	19.96	275	335	Peak
3	2490.894	53.46	15.69	37.77	74.00	-20.54	275	335	Peak



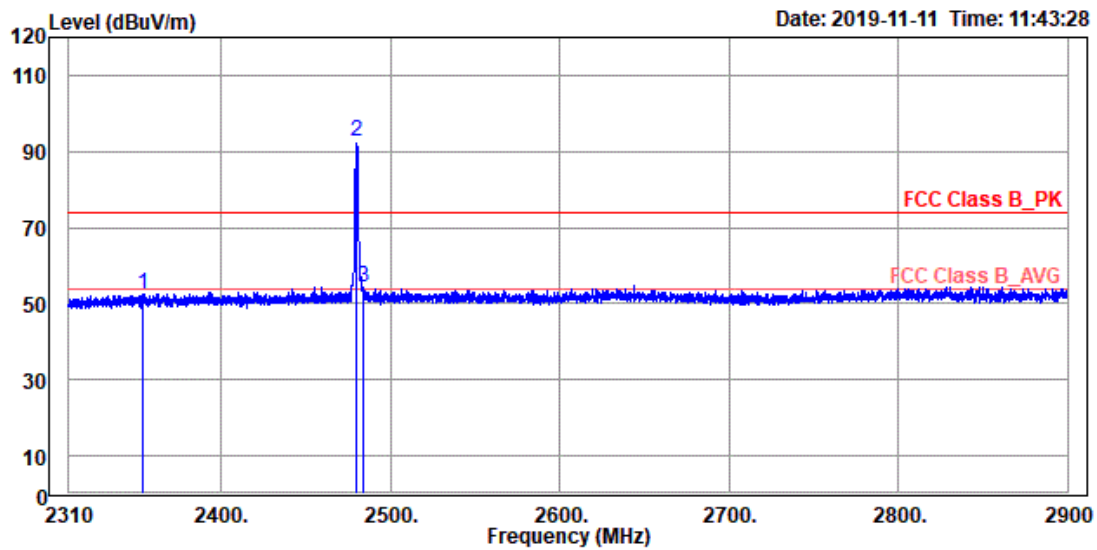
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
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Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2375.962	41.21	3.82	37.39	54.00	-12.79	323	13	Average
2 *	2440.980	95.62	57.95	37.67	54.00	41.62	323	13	Average
3	2494.552	42.04	4.27	37.77	54.00	-11.96	323	13	Average



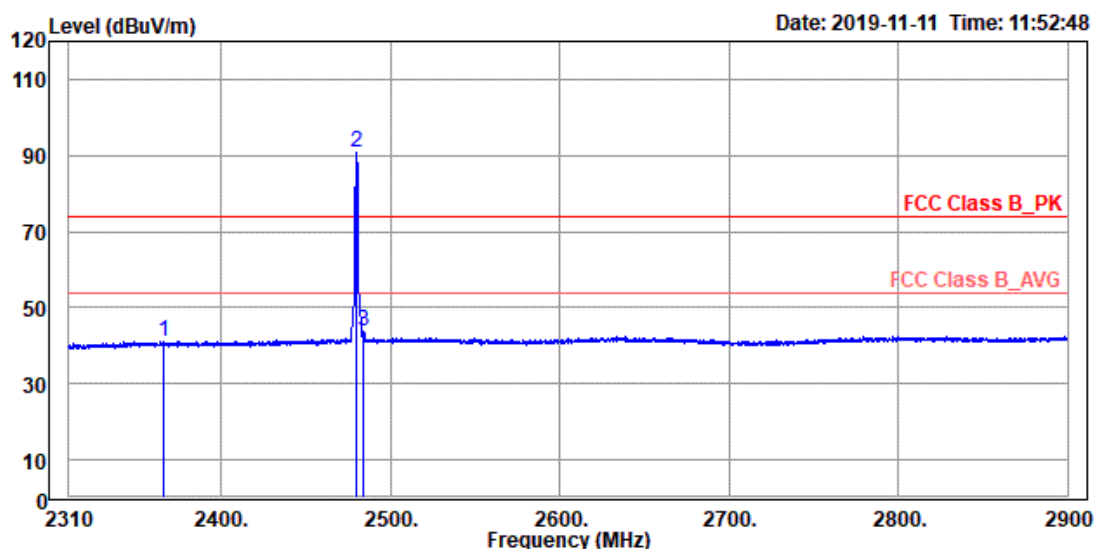
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2383.986	41.17	3.75	37.42	54.00	-12.83	315	19	Average
2 *	2479.920	91.89	54.13	37.76	54.00	37.89	315	19	Average
3	2484.286	44.13	6.37	37.76	54.00	-9.87	315	19	Average



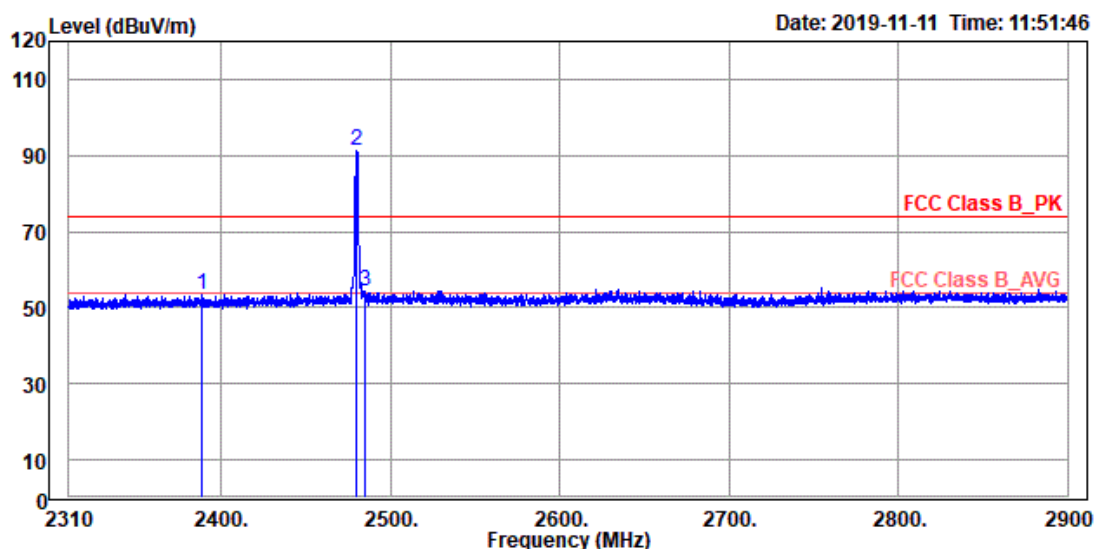
Site : 3m_Semi-Anechoic Chamber(966_C)
Condition : FCC Class B_PK Horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
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Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2354.014	52.53	15.21	37.32	74.00	-21.47	315	19	Peak
2 *	2479.920	92.61	54.85	37.76	74.00	18.61	315	19	Peak
3	2483.932	54.21	16.45	37.76	74.00	-19.79	315	19	Peak



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Mode : TX-DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2366.404	41.20	3.84	37.36	54.00	-12.80	138	308	Average
2 *	2479.920	90.60	52.84	37.76	54.00	36.60	138	308	Average
3	2484.404	43.90	6.14	37.76	54.00	-10.10	138	308	Average



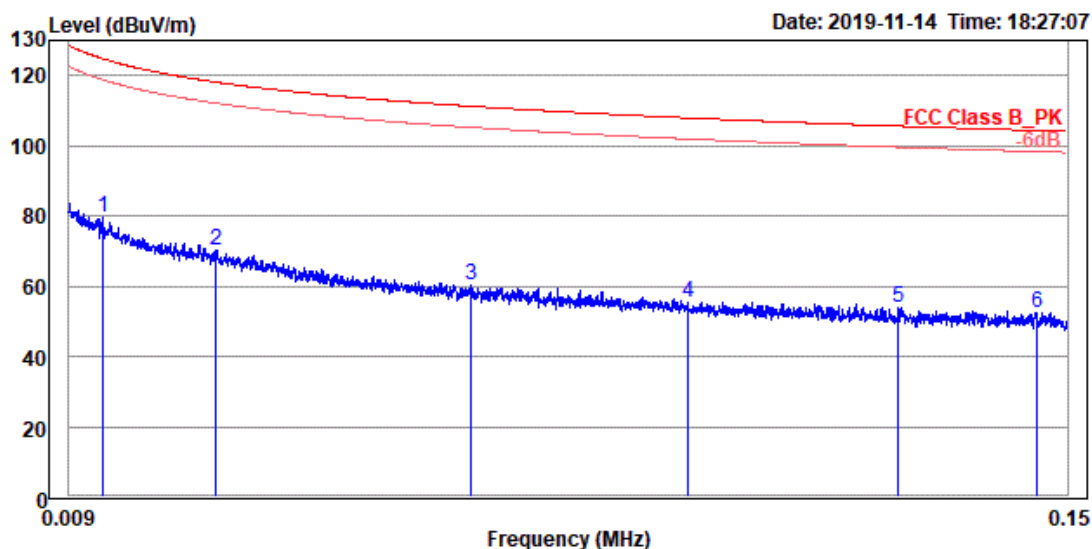
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK Vertical
Test Engineer: Simon Tsai
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Mode : TX-DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	2388.116	53.34	15.91	37.43	74.00	-20.66	138	308	Peak
2 *	2479.920	91.06	53.30	37.76	74.00	17.06	138	308	Peak
3	2485.112	54.44	16.68	37.76	74.00	-19.56	138	308	Peak

Spurious Emissions, TX Mode, 9kHz-30MHz

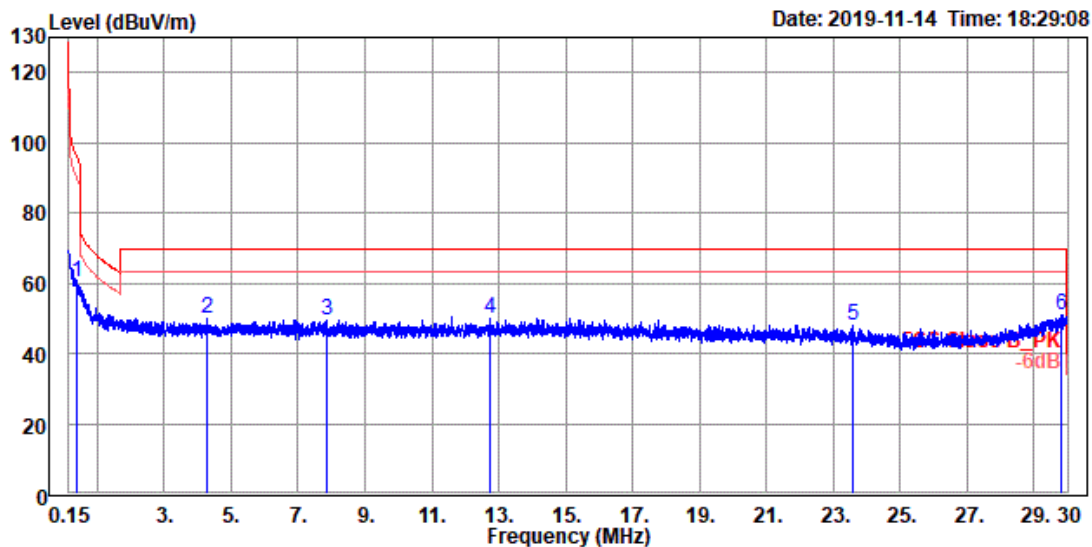


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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read	Limit	Over	APos	TPos	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit		
			dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.014	79.43	2.94	76.49	124.84	-45.41	100	40 QP
2	0.030	70.17	-0.61	70.78	118.09	-47.92	100	277 QP
3	0.066	60.17	-2.72	62.89	111.22	-51.05	100	37 QP
4	0.096	55.58	-4.10	59.68	107.91	-52.33	100	189 QP
5	0.126	53.82	-3.91	57.73	105.58	-51.76	100	360 QP
6	0.146	52.51	-4.10	56.61	104.33	-51.82	100	40 QP



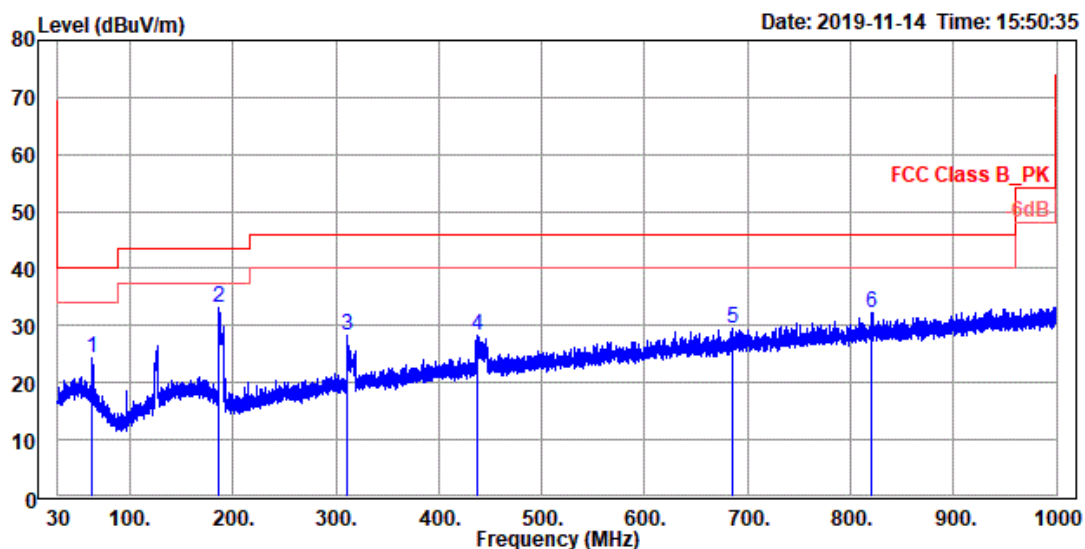
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.392	60.42	11.89	48.53	95.74	-35.32	100	138	QP
2	4.278	50.03	11.70	38.33	69.50	-19.47	100	284	QP
3	7.842	49.48	11.36	38.12	69.50	-20.02	100	156	QP
4	12.723	49.99	12.61	37.38	69.50	-19.51	100	71	QP
5	23.567	48.17	12.99	35.18	69.50	-21.33	100	116	QP
6	29.797	51.01	11.72	39.29	69.50	-18.49	100	279	QP

Spurious Emissions, TX Mode, 30MHz-1GHz

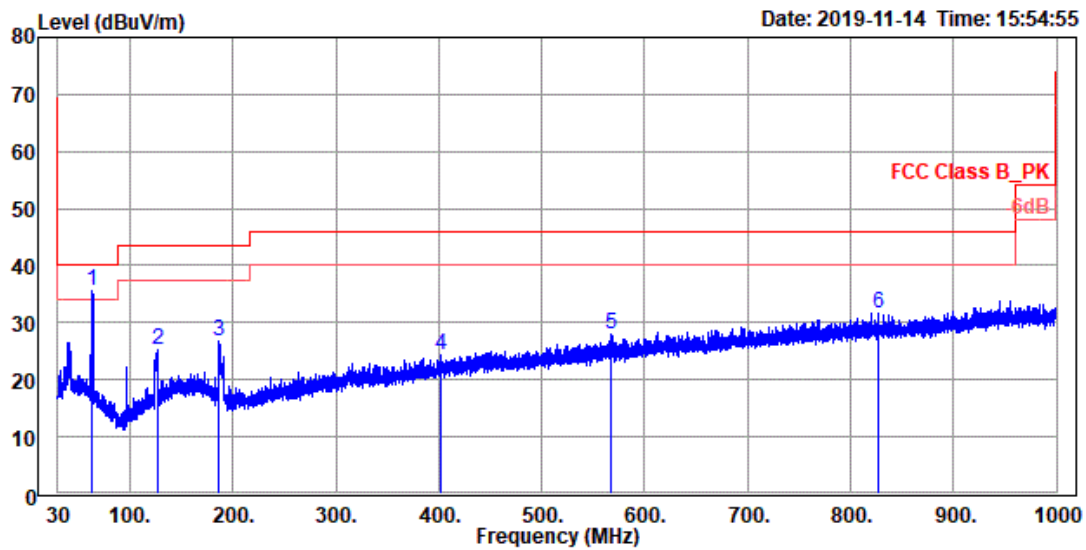


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Condition : FCC Class B_PK horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read	Limit	Over	APos	TPos	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg
1	63.659	24.39	33.21	-8.82	40.00	-15.61	200	222 QP
2	186.849	33.15	42.55	-9.40	43.50	-10.35	200	251 QP
3	311.300	28.16	34.40	-6.24	46.00	-17.84	100	64 QP
4	436.915	28.16	32.12	-3.96	46.00	-17.84	200	108 QP
5	686.205	29.39	29.46	-0.07	46.00	-16.61	100	125 QP
6	821.132	32.28	30.15	2.13	46.00	-13.72	100	178 QP



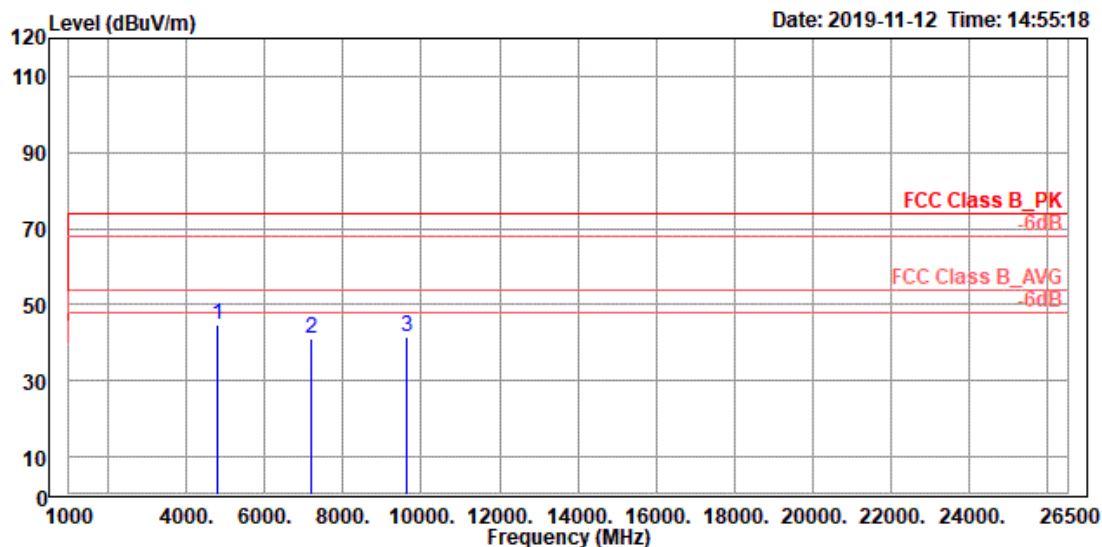
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
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Mode : TX-DH5-2480MHz
Power setting : Default
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Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1 !	63.659	35.53	44.35	-8.82	40.00	-4.47	100	166	QP
2	127.388	25.27	34.70	-9.43	43.50	-18.23	100	267	QP
3	186.849	26.63	36.03	-9.40	43.50	-16.87	100	234	QP
4	401.510	24.32	28.99	-4.67	46.00	-21.68	200	220	QP
5	566.798	27.95	29.86	-1.91	46.00	-18.05	100	9	QP
6	827.631	31.66	29.44	2.22	46.00	-14.34	100	108	QP

Spurious Emissions, TX Mode, 1GHz-26.5GHz

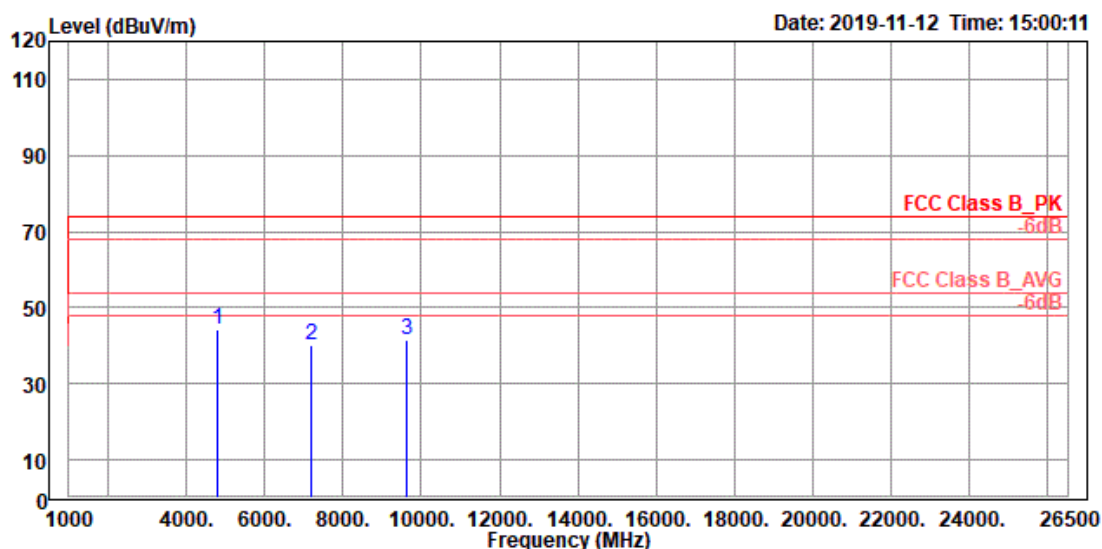


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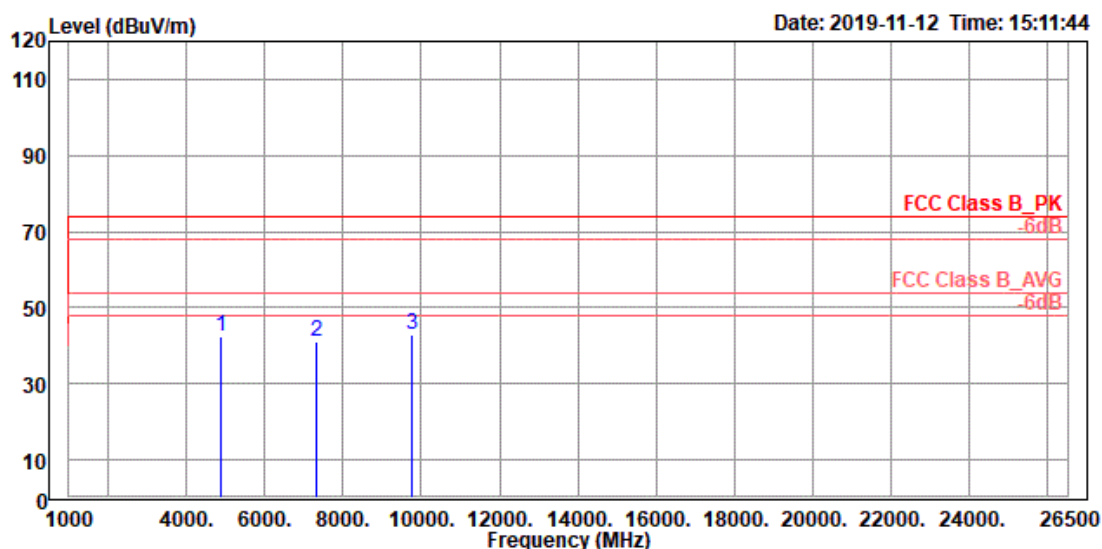
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Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4804.000	44.54	54.56	-10.02	74.00	-29.46	100	289	Peak
2	7206.000	40.90	48.63	-7.73	74.00	-33.10	279	360	Peak
3	9608.000	41.68	46.95	-5.27	74.00	-32.32	100	111	Peak



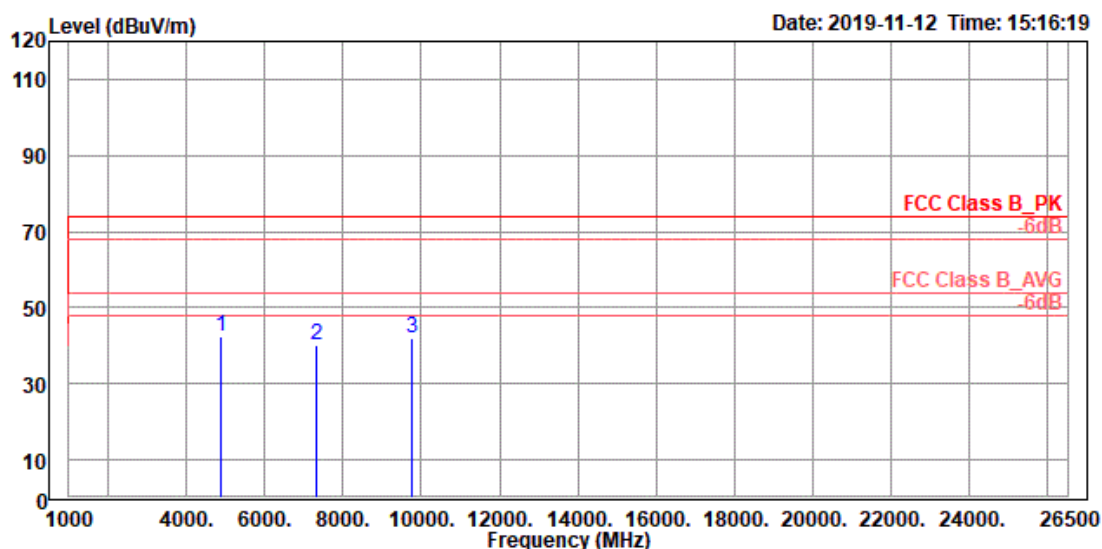
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
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Mode : TX-DH5-2402MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4804.000	44.14	54.16	-10.02	74.00	-29.86	178		0 Peak
2	7206.000	40.27	48.00	-7.73	74.00	-33.73	288	360	Peak
3	9608.000	41.32	46.59	-5.27	74.00	-32.68	255	360	Peak



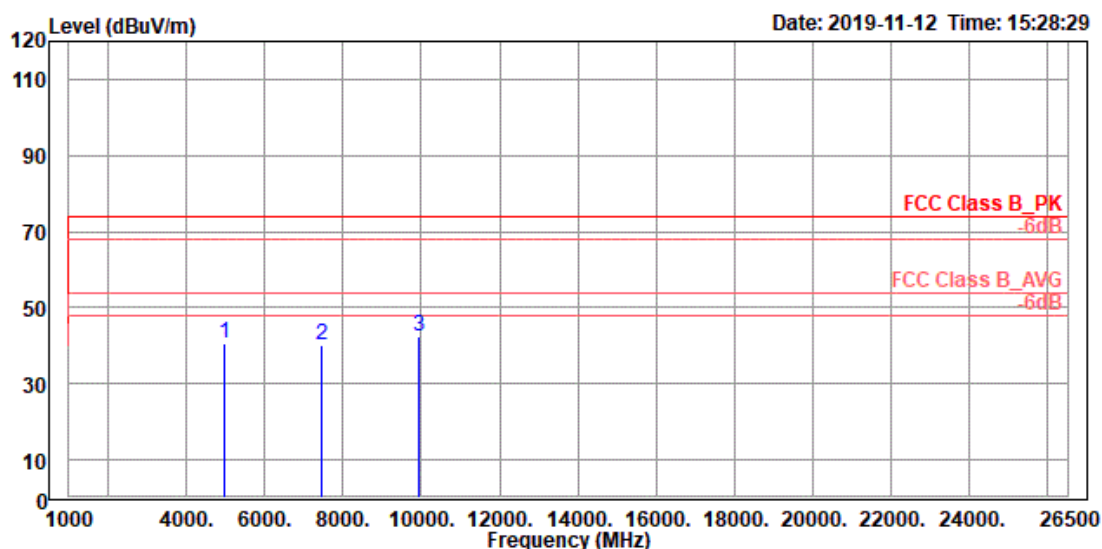
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Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4882.000	42.62	52.68	-10.06	74.00	-31.38	108	96	Peak
2	7323.000	41.05	48.79	-7.74	74.00	-32.95	300	229	Peak
3	9764.000	43.03	47.99	-4.96	74.00	-30.97	300	231	Peak



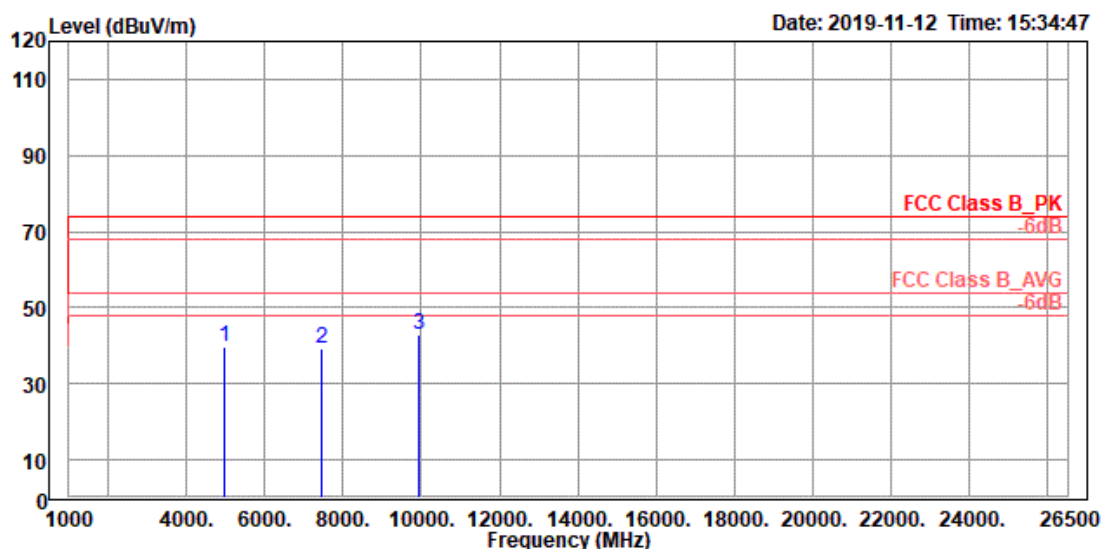
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2441MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read	Limit	Over	APos	TPos	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg
			dBuV	dB/m	dBuV/m	dB		
1	4882.000	42.23	52.29	-10.06	74.00	-31.77	300	47 Peak
2	7323.000	40.27	48.01	-7.74	74.00	-33.73	100	15 Peak
3	9764.000	41.97	46.93	-4.96	74.00	-32.03	153	360 Peak



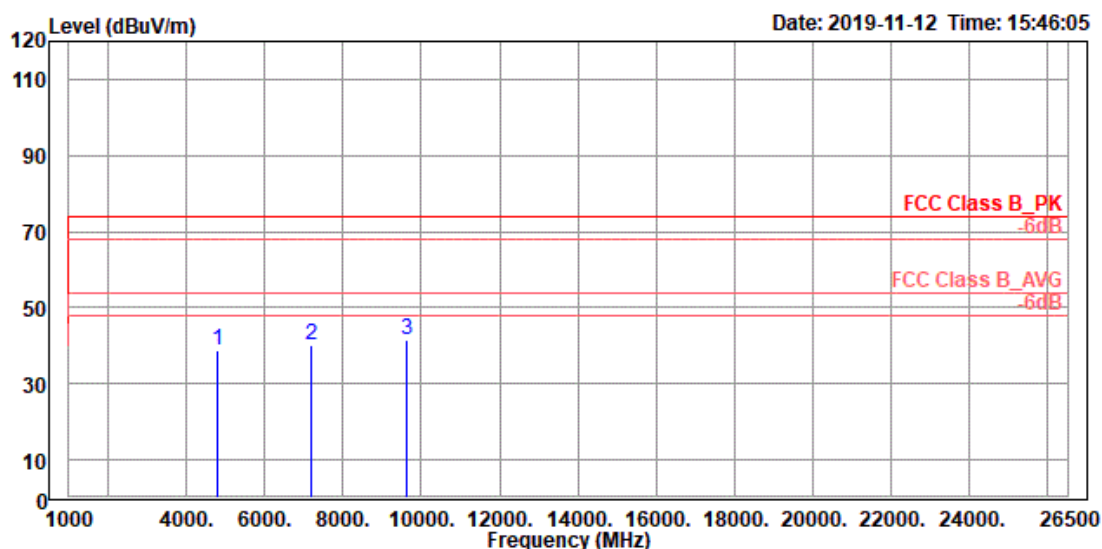
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4960.000	40.75	50.75	-10.00	74.00	-33.25	300	232	Peak
2	7440.000	40.16	47.82	-7.66	74.00	-33.84	218	0	Peak
3	9920.000	42.50	47.12	-4.62	74.00	-31.50	300	151	Peak



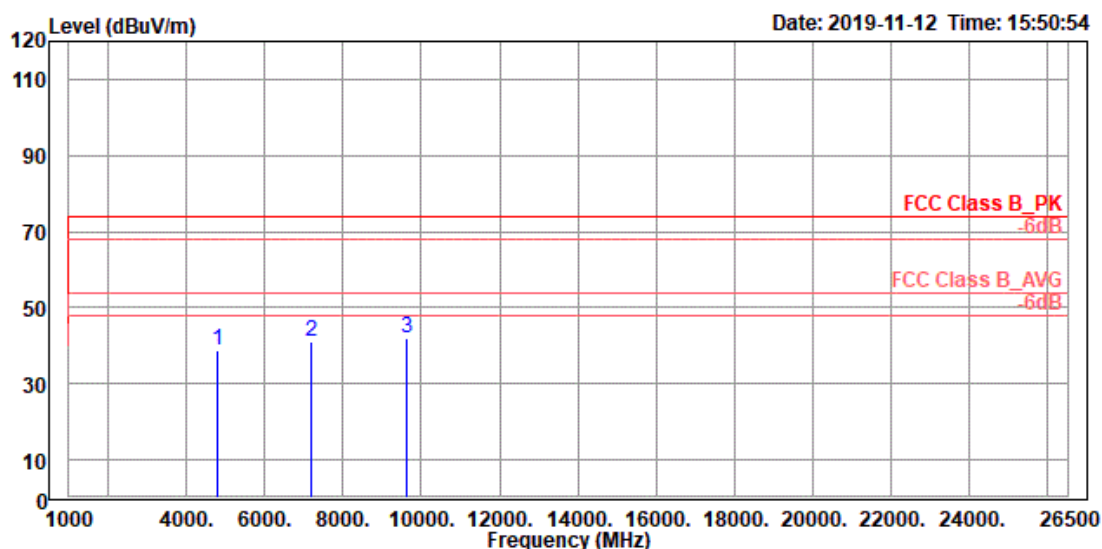
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4960.000	39.90	49.90	-10.00	74.00	-34.10	120	360	Peak
2	7440.000	39.32	46.98	-7.66	74.00	-34.68	225	0	Peak
3	9920.000	43.00	47.62	-4.62	74.00	-31.00	400	256	Peak



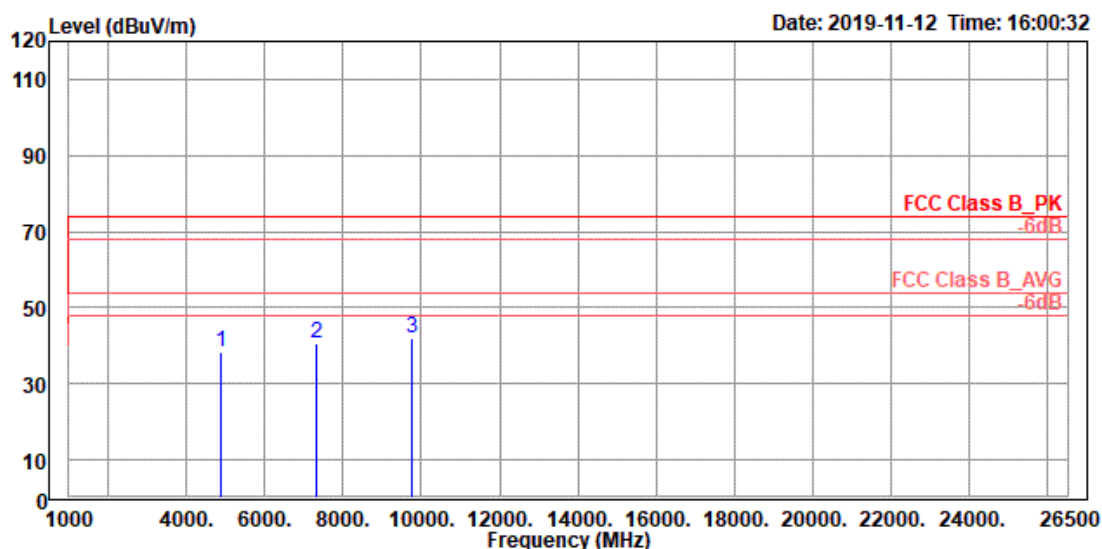
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-3DH5-2402MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4804.000	38.66	48.68	-10.02	74.00	-35.34	171	360	Peak
2	7206.000	40.14	47.87	-7.73	74.00	-33.86	200	138	Peak
3	9608.000	41.36	46.63	-5.27	74.00	-32.64	300	210	Peak



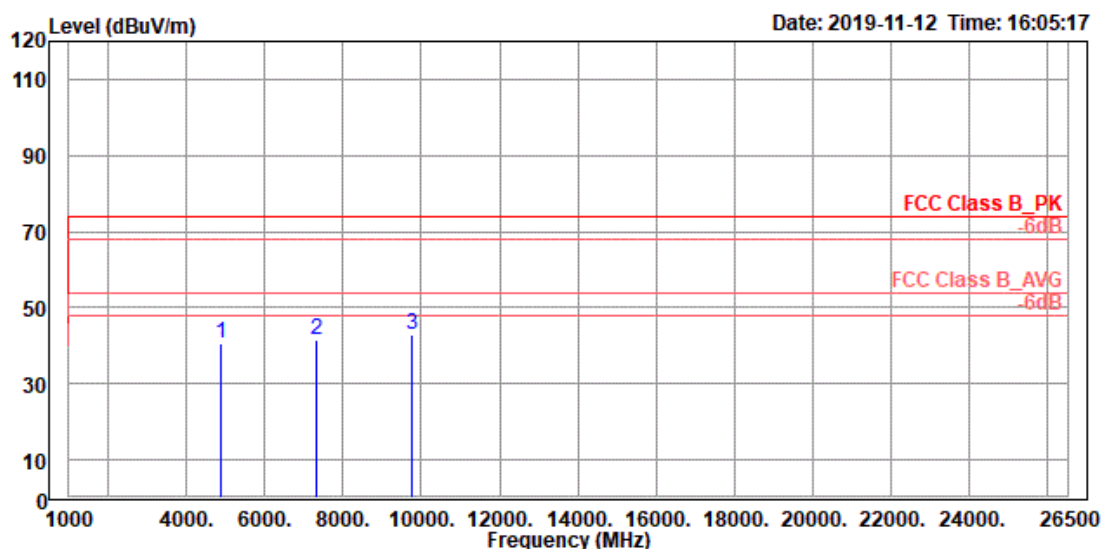
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-3DH5-2402MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read	Limit	Over	APos	TPos	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg
1	4804.000	38.91	48.93	-10.02	74.00	-35.09	198	360 Peak
2	7206.000	41.23	48.96	-7.73	74.00	-32.77	200	262 Peak
3	9608.000	42.06	47.33	-5.27	74.00	-31.94	100	360 Peak



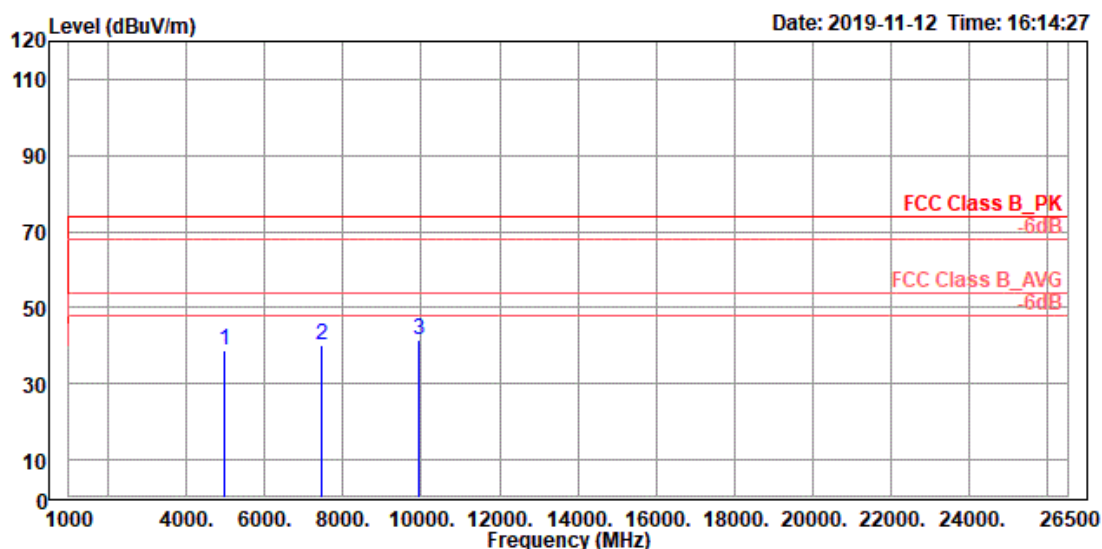
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-3DH5-2441MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4882.000	38.10	48.16	-10.06	74.00	-35.90	200	162	Peak
2	7323.000	40.68	48.42	-7.74	74.00	-33.32	300	204	Peak
3	9764.000	42.20	47.16	-4.96	74.00	-31.80	109	360	Peak



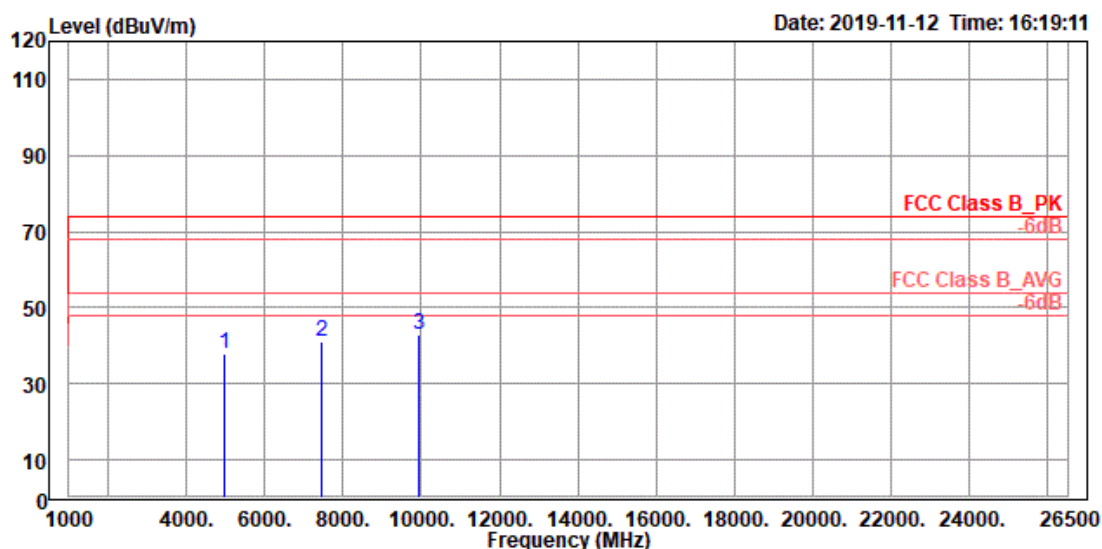
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-3DH5-2441MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read	Limit	Over	APos	TPos	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg
1	4882.000	40.39	50.45	-10.06	74.00	-33.61	200	39 Peak
2	7323.000	41.42	49.16	-7.74	74.00	-32.58	200	306 Peak
3	9764.000	42.94	47.90	-4.96	74.00	-31.06	200	152 Peak



Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-3DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4960.000	38.80	48.80	-10.00	74.00	-35.20	200	12	Peak
2	7440.000	40.17	47.83	-7.66	74.00	-33.83	300	49	Peak
3	9920.000	41.32	45.94	-4.62	74.00	-32.68	136	50	Peak



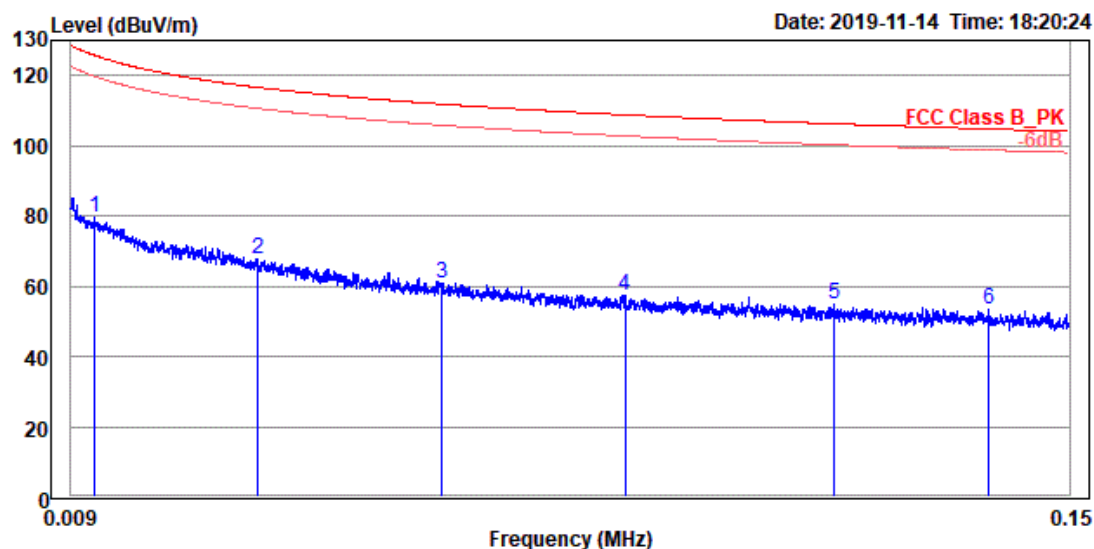
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : TX-3DH5-2480MHz
Power setting : Default
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	4960.000	38.00	48.00	-10.00	74.00	-36.00	238	0	Peak
2	7440.000	41.03	48.69	-7.66	74.00	-32.97	300	201	Peak
3	9920.000	42.76	47.38	-4.62	74.00	-31.24	231	0	Peak

Spurious Emissions, RX Mode, 9kHz-30MHz

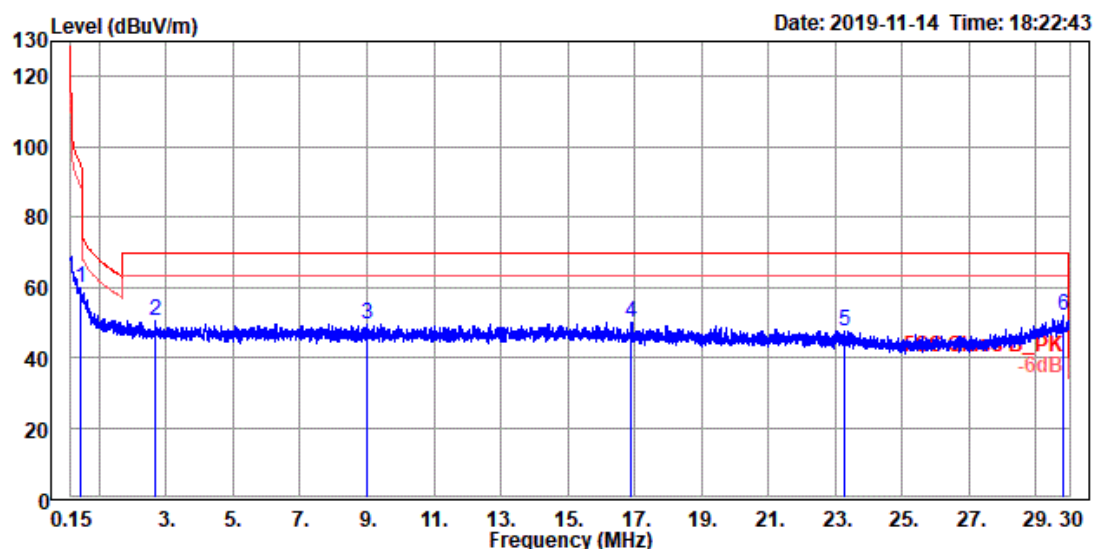


TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : RX-DH5-2480MHz
Power setting :
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read	Limit	Over	APos	TPos	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit	cm	deg
1	0.012	79.46	2.11	77.35	125.74	-46.28	100	319 QP
2	0.035	67.86	-1.18	69.04	116.62	-48.76	100	307 QP
3	0.061	60.85	-2.61	63.46	111.82	-50.97	100	276 QP
4	0.087	57.49	-3.18	60.67	108.78	-51.29	100	260 QP
5	0.117	54.86	-3.42	58.28	106.25	-51.39	100	269 QP
6	0.139	53.20	-3.81	57.01	104.76	-51.56	100	124 QP



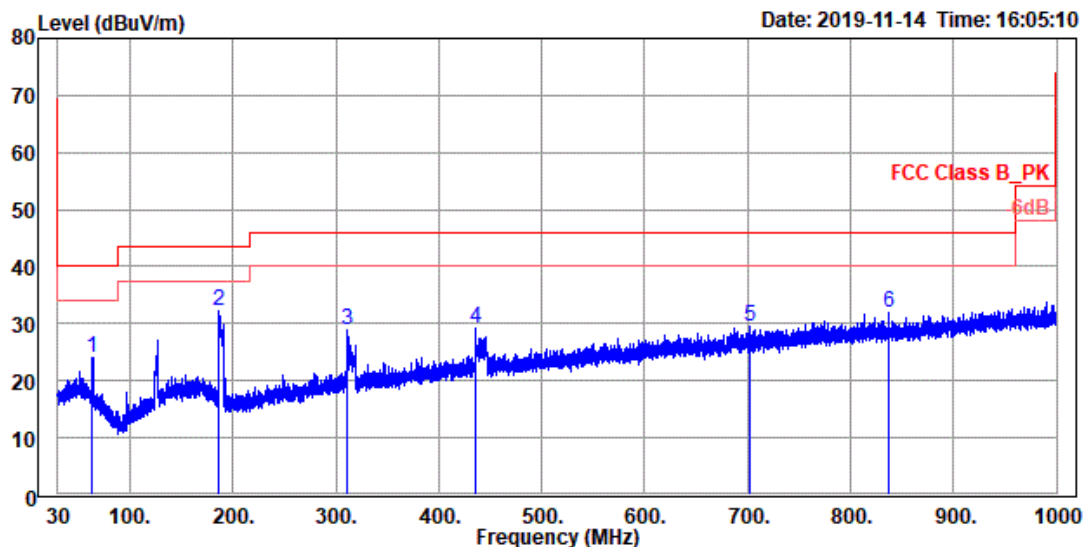
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : RX-DH5-2480MHz
Power setting :
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.428	60.02	12.09	47.93	94.98	-34.96	100	288	QP
2	2.657	50.21	11.83	38.38	69.50	-19.29	100	157	QP
3	9.018	49.48	11.70	37.78	69.50	-20.02	100	41	QP
4	16.917	50.09	12.92	37.17	69.50	-19.41	100	358	QP
5	23.257	47.42	12.02	35.40	69.50	-22.08	100	116	QP
6	29.809	51.96	12.64	39.32	69.50	-17.54	100	269	QP

Spurious Emissions, RX Mode, 30MHz-1GHz

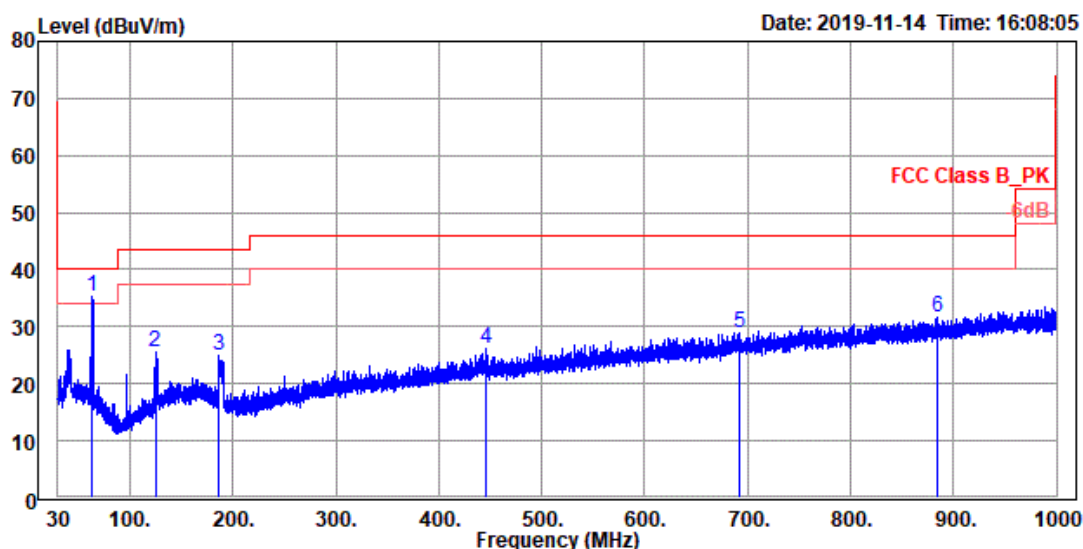


TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : RX-DH5-2480MHz
Powersetting :
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	63.659	23.95	32.77	-8.82	40.00	-16.05	100	94	QP
2	186.849	32.15	41.55	-9.40	43.50	-11.35	200	265	QP
3	311.300	28.94	35.18	-6.24	46.00	-17.06	100	73	QP
4	435.751	29.14	33.12	-3.98	46.00	-16.86	200	283	QP
5	701.822	29.56	29.40	0.16	46.00	-16.44	100	87	QP
6	836.749	32.04	29.74	2.30	46.00	-13.96	200	137	QP



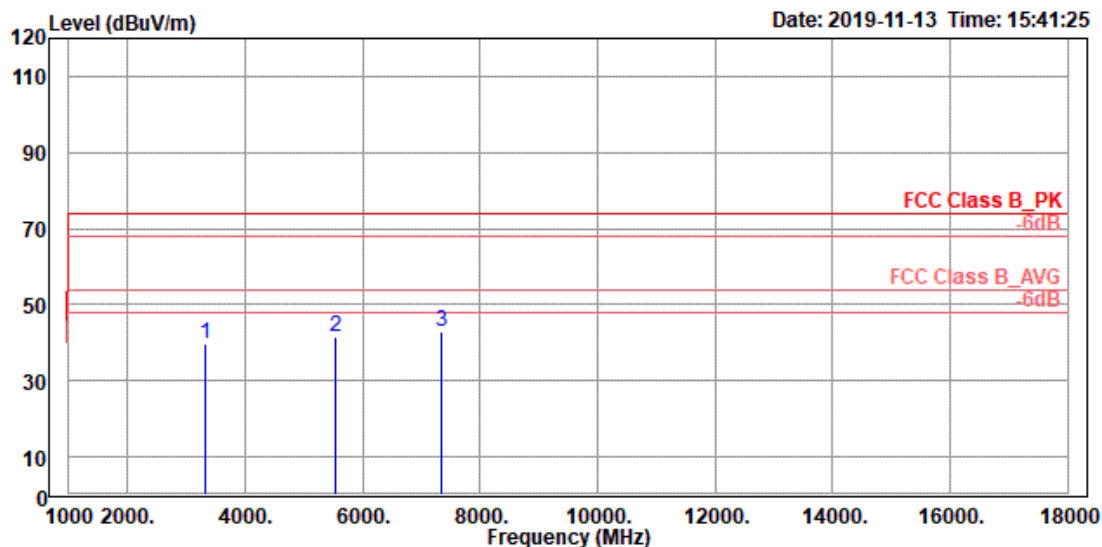
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : RX-DH5-2480MHz
Power setting :
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1 !	63.659	35.28	44.10	-8.82	40.00	-4.72	100	218	QP
2	124.478	25.66	35.41	-9.75	43.50	-17.84	100	179	QP
3	186.849	25.06	34.46	-9.40	43.50	-18.44	100	206	QP
4	446.324	26.28	30.08	-3.80	46.00	-19.72	200	23	QP
5	691.734	28.94	28.90	0.04	46.00	-17.06	198	360	QP
6	884.376	31.78	28.87	2.91	46.00	-14.22	200	86	QP

Spurious Emissions, RX Mode, 1GHz-18Hz

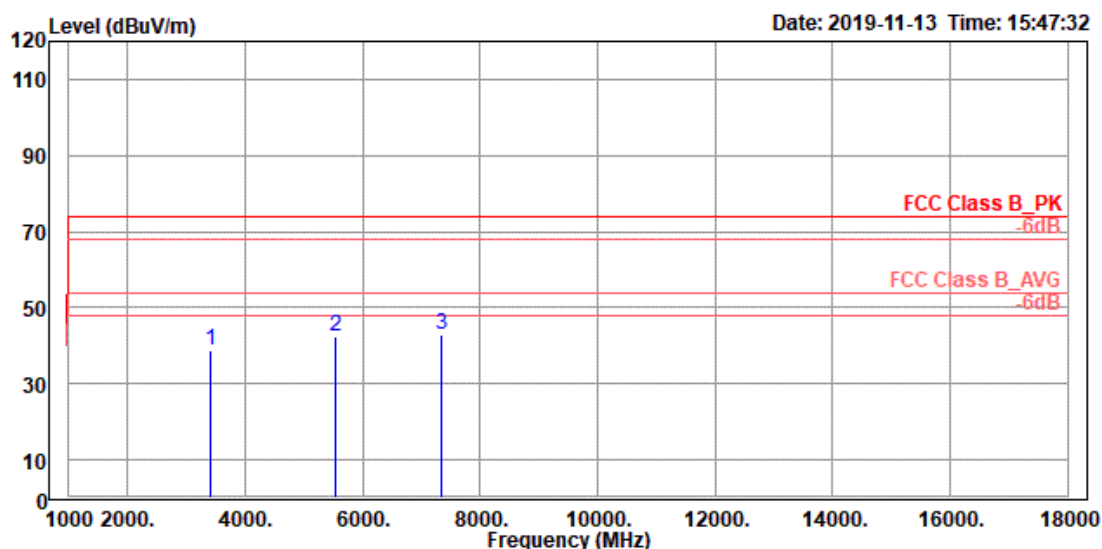


TUV Rheinland Waiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
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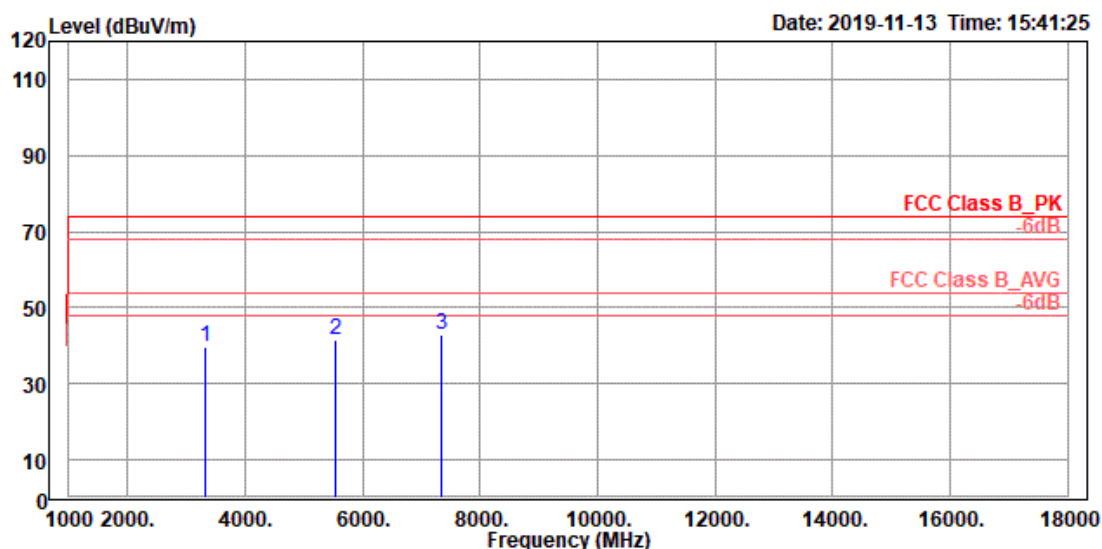
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : RX-DH5-2441MHz
Power setting :
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	3310.000	39.59	52.00	-12.41	74.00	-34.41	200	360	Peak
2	5552.000	41.59	50.32	-8.73	74.00	-32.41	300	128	Peak
3	7334.000	42.70	50.44	-7.74	74.00	-31.30	100	355	Peak



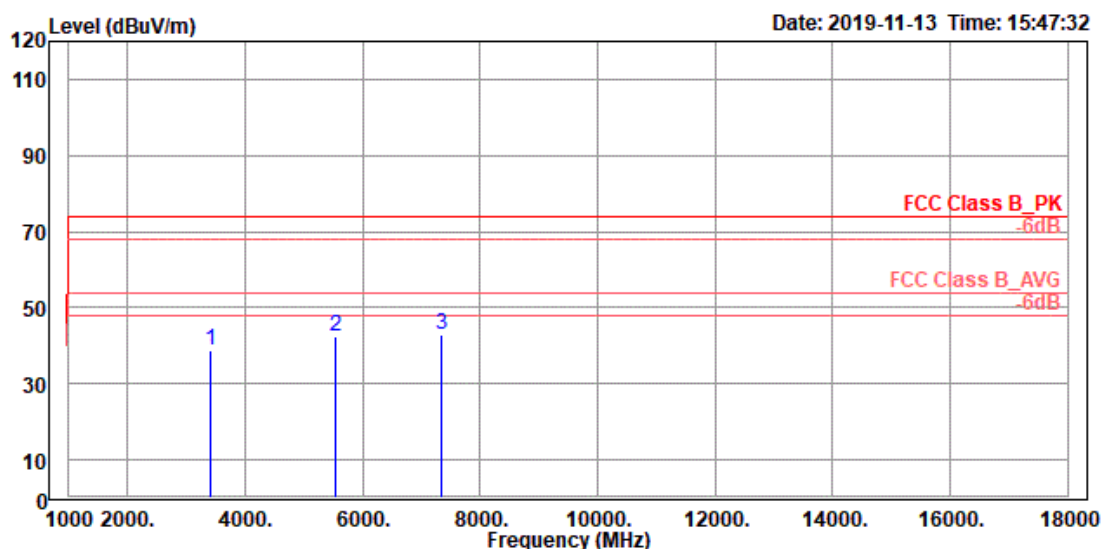
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : RX-DH5-2441MHz
Power setting :
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	3407.000	38.96	51.33	-12.37	74.00	-35.04	392	360	Peak
2	5539.000	42.53	51.26	-8.73	74.00	-31.47	100	25	Peak
3	7345.000	43.08	50.82	-7.74	74.00	-30.92	103	360	Peak



Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK horizontal
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : RX-DH5-2480MHz
Power setting :
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	3310.000	39.59	52.00	-12.41	74.00	-34.41	200	360	Peak
2	5552.000	41.59	50.32	-8.73	74.00	-32.41	300	128	Peak
3	7334.000	42.70	50.44	-7.74	74.00	-31.30	100	355	Peak



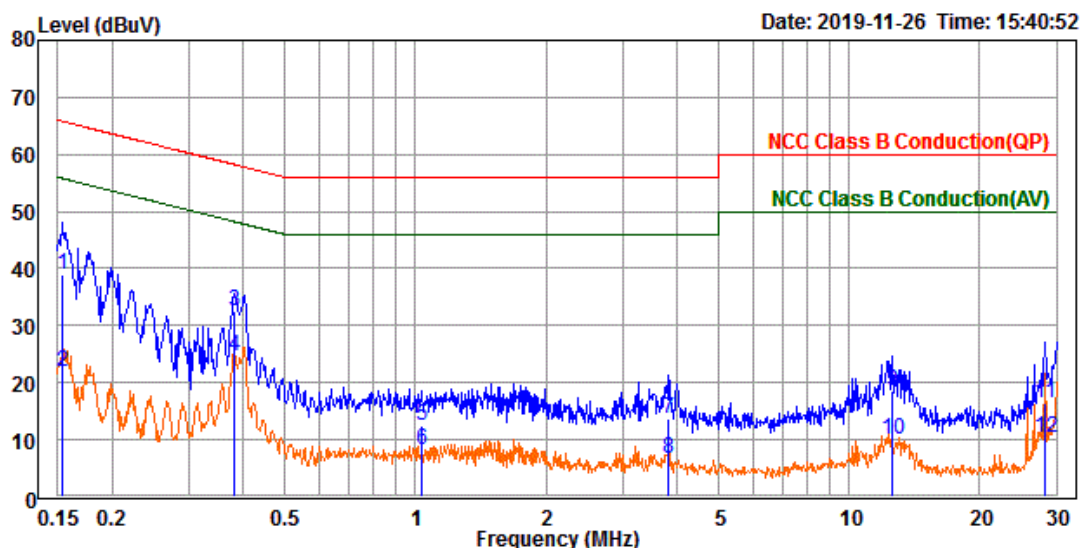
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : PORTABLE PRINTER
Model NO : B-FP2D-GH50-QM-S
Mode : RX-DH5-2480MHz
Power setting :
Test Rating : 120vac/ 60Hz
Tmp/Hum : 26°C/63.5%
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	3407.000	38.96	51.33	-12.37	74.00	-35.04	392	360	Peak
2	5539.000	42.53	51.26	-8.73	74.00	-31.47	100	25	Peak
3	7345.000	43.08	50.82	-7.74	74.00	-30.92	103	360	Peak

Spurious Emissions, AC Mains



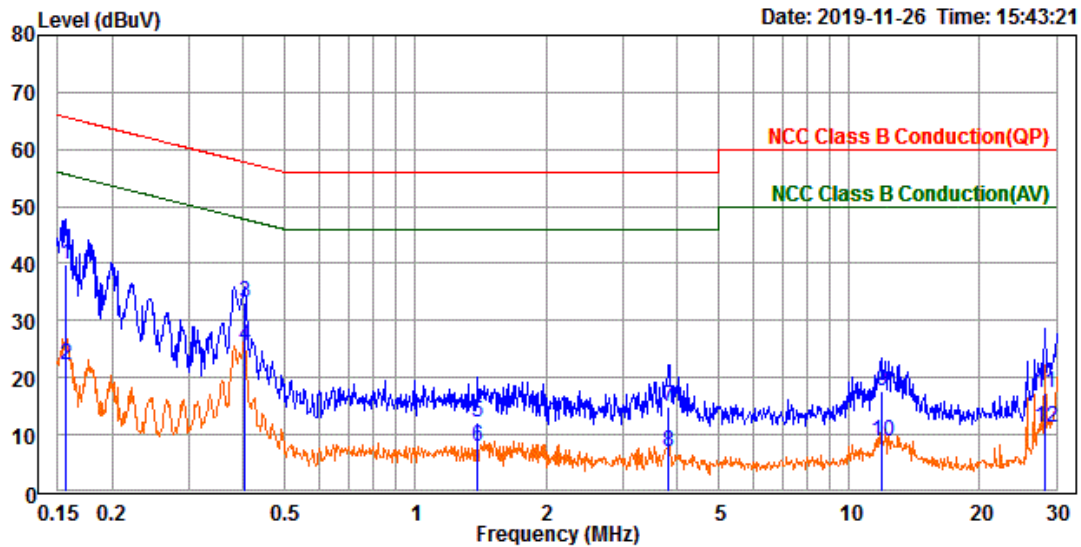
TUV Rheinland Taiwan Ltd.
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1

Site : Conduction room
Condition : NCC Class B Conduction(QP) line1
Test Engineer: Simon tsai
Product : PORTABLE PRINTER
Model No. : B-FP2D-GH50-QM-S
Test Rating : 110Vac/60Hz
Tmp/Hum : 21.3°C/45%
Memo : TX-DH5-2480MHz
: FSP150-ABAN3
: I/P:100-240Vac, 2.0A, 50/60Hz
: O/P:19V 7.89A

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.153	29.34	9.61	38.95	65.83	-26.88	QP
2	0.153	12.35	9.61	21.96	55.83	-33.87	Average
3	0.381	23.01	9.62	32.63	58.26	-25.63	QP
4	0.381	15.01	9.62	24.63	48.26	-23.63	Average
5	1.032	2.76	9.62	12.38	56.00	-43.62	QP
6	1.032	-1.47	9.62	8.15	46.00	-37.85	Average
7	3.829	3.88	9.67	13.55	56.00	-42.45	QP
8	3.829	-3.09	9.67	6.58	46.00	-39.42	Average
9	12.603	8.70	9.75	18.45	60.00	-41.55	QP
10	12.603	0.43	9.75	10.18	50.00	-39.82	Average
11	28.258	6.75	9.77	16.52	60.00	-43.48	QP
12	28.258	0.66	9.77	10.43	50.00	-39.57	Average



Trace: 1

Site : Conduction room

Condition : NCC Class B Conduction(QP) neutral

Test Engineer: Simon tsai

Product : PORTABLE PRINTER

Model No. : B-FP2D-GH50-QM-S

Test Rating : 110Vac/60Hz

Tmp/Hum : 21.3°C/45%

Memo : TX-DH5-2480MHz

: FSP150-ABAN3

: I/P:100-240Vac, 2.0A, 50/60Hz

: O/P:19V 7.89A

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.156	30.13	9.62	39.75	65.67	-25.92	QP
2	0.156	12.71	9.62	22.33	55.67	-33.34	Average
3	0.402	23.53	9.63	33.16	57.80	-24.64	QP
4	0.402	16.02	9.63	25.65	47.80	-22.15	Average
5	1.392	2.50	9.63	12.13	56.00	-43.87	QP
6	1.392	-1.87	9.63	7.76	46.00	-38.24	Average
7	3.829	5.38	9.68	15.06	56.00	-40.94	QP
8	3.829	-2.78	9.68	6.90	46.00	-39.10	Average
9	11.931	7.90	9.77	17.67	60.00	-42.33	QP
10	11.931	-0.82	9.77	8.95	50.00	-41.05	Average
11	28.258	7.56	9.84	17.40	60.00	-42.60	QP
12	28.258	1.43	9.84	11.27	50.00	-38.73	Average