

Test Report No.50278816 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50278816 001AppendixD)

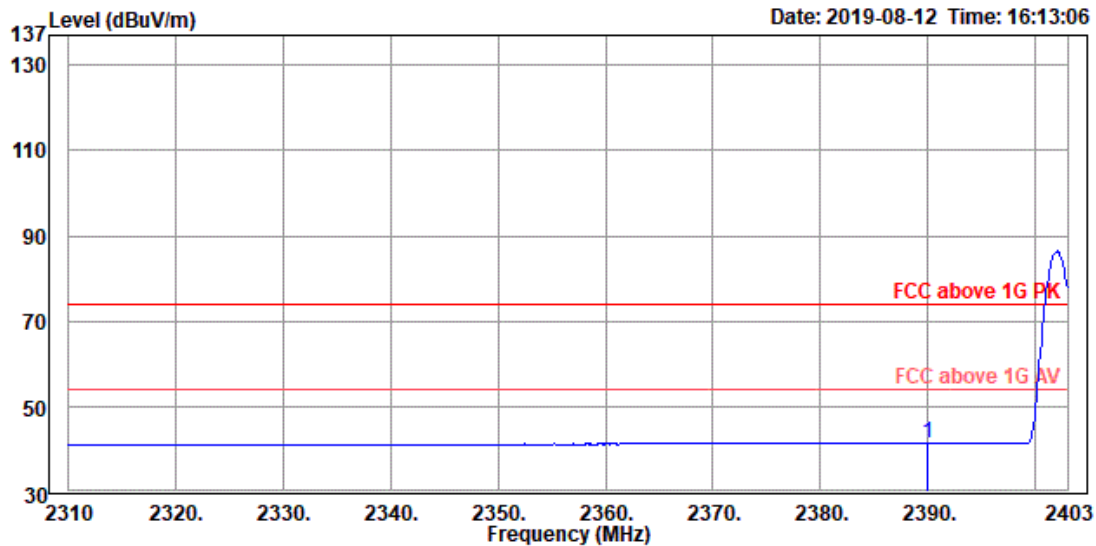
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Spurious Emissions, Band Edges for 1M

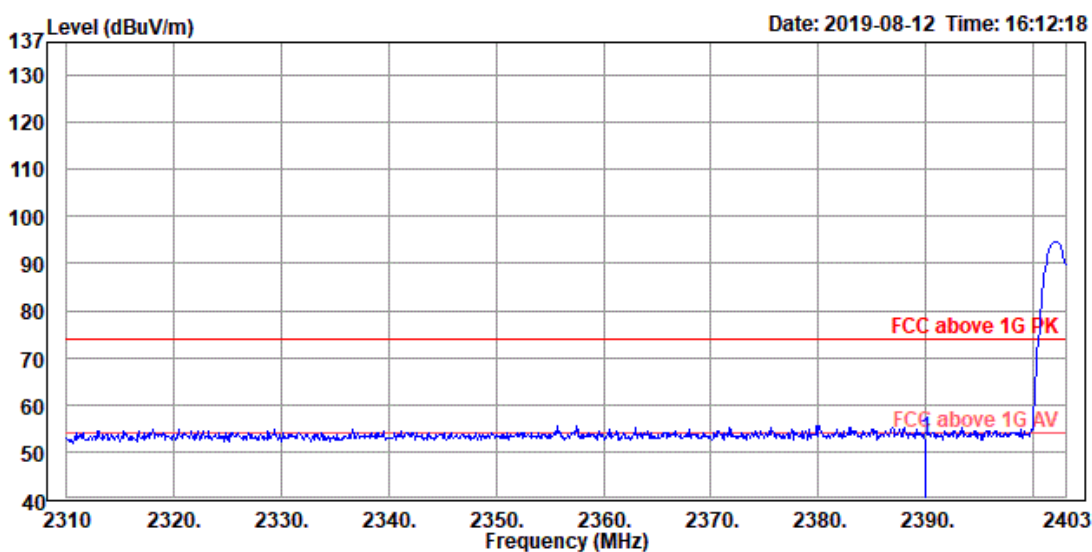


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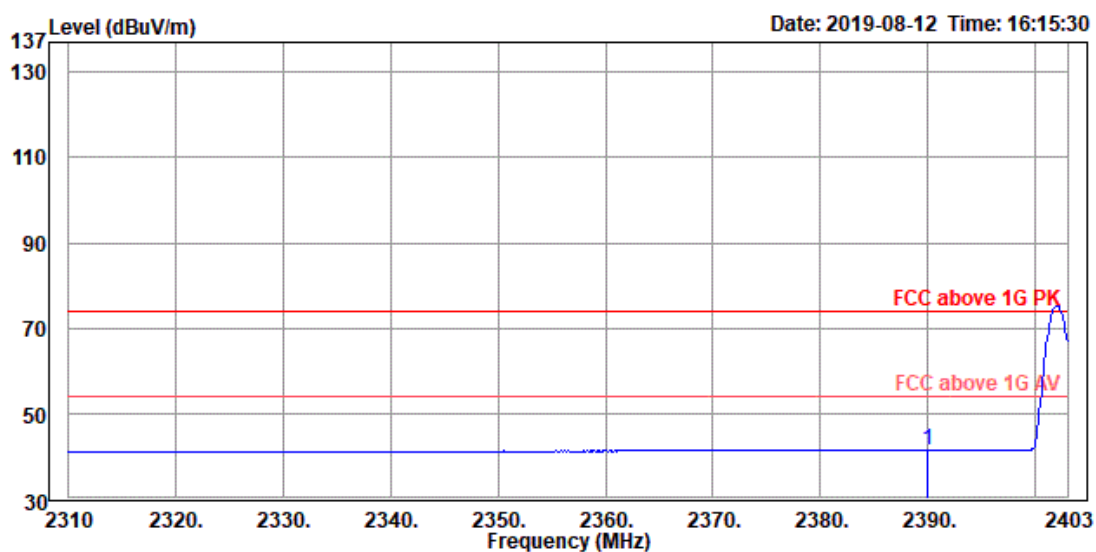
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	41.44	49.70	-8.26	54.00	-12.56	100	182	Average	



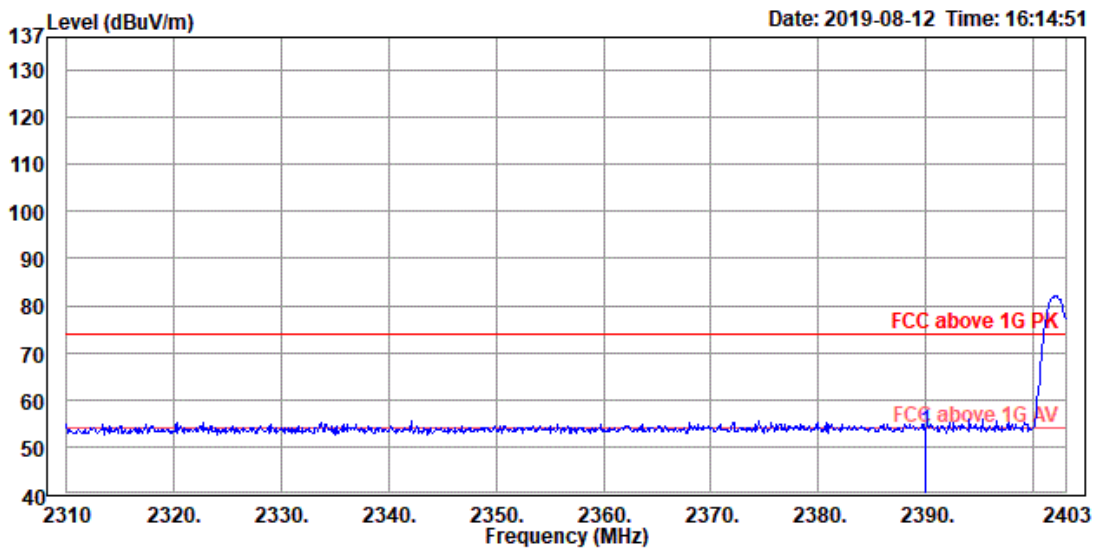
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	53.07	61.33	-8.26	74.00	-20.93	100	182	Peak	



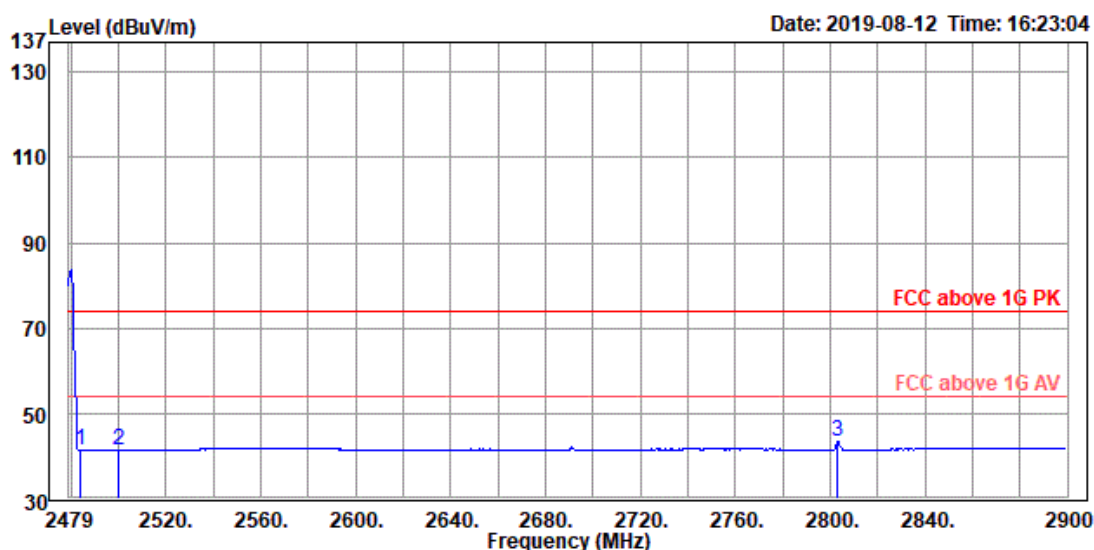
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	41.42	49.68	-8.26	54.00	-12.58	100	64	Average	



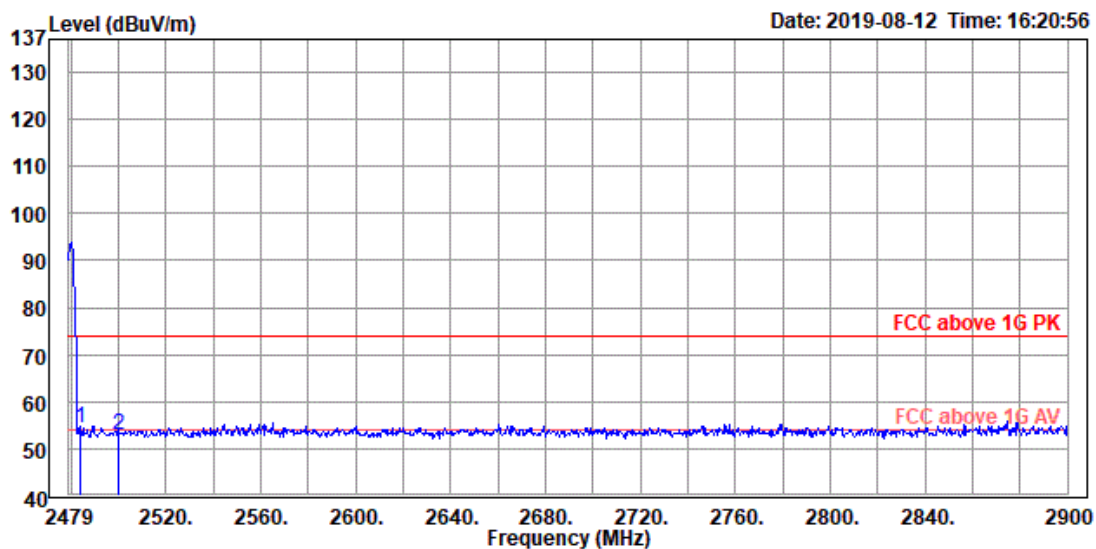
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	53.46	61.72	-8.26	74.00	-20.54	100	64	Peak	



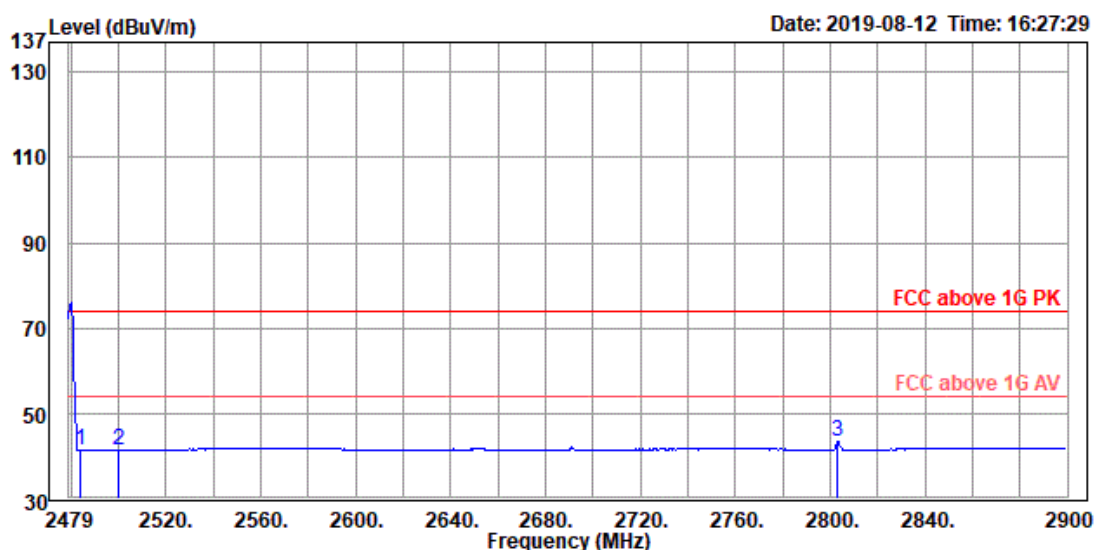
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	41.38	49.49	-8.11	54.00	-12.62	100	208	Average	
2	2500.000	41.33	49.48	-8.15	54.00	-12.67	100	208	Average	
3	2803.170	43.29	51.30	-8.01	54.00	-10.71	100	208	Average	



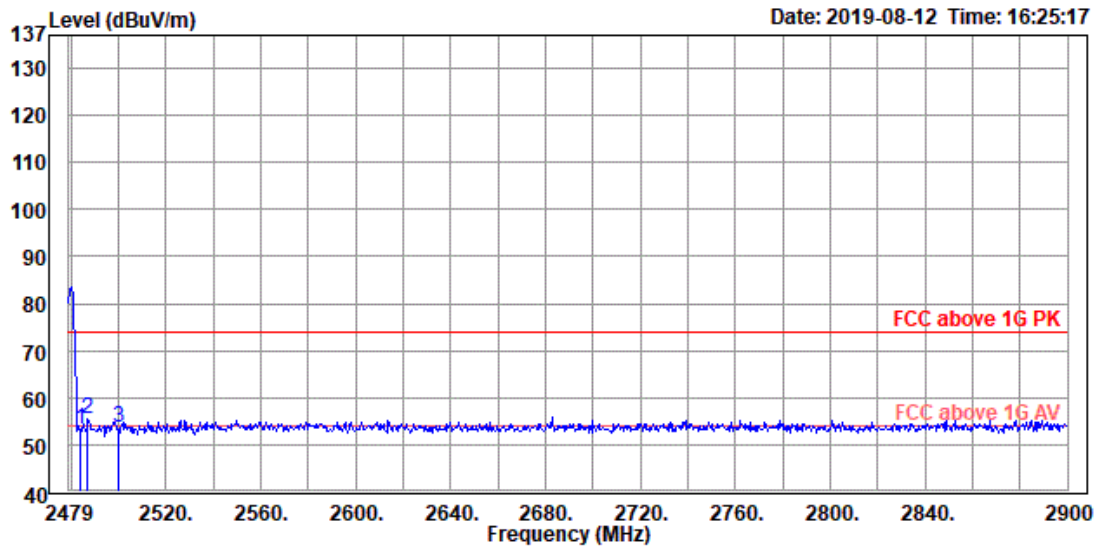
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	54.25	62.36	-8.11	74.00	-19.75	100	208	Peak	
2	2500.000	52.85	61.00	-8.15	74.00	-21.15	100	208	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	41.36	49.47	-8.11	54.00	-12.64	100	87	Average	
2	2500.000	41.34	49.49	-8.15	54.00	-12.66	100	87	Average	
3	2803.170	43.27	51.28	-8.01	54.00	-10.73	100	87	Average	



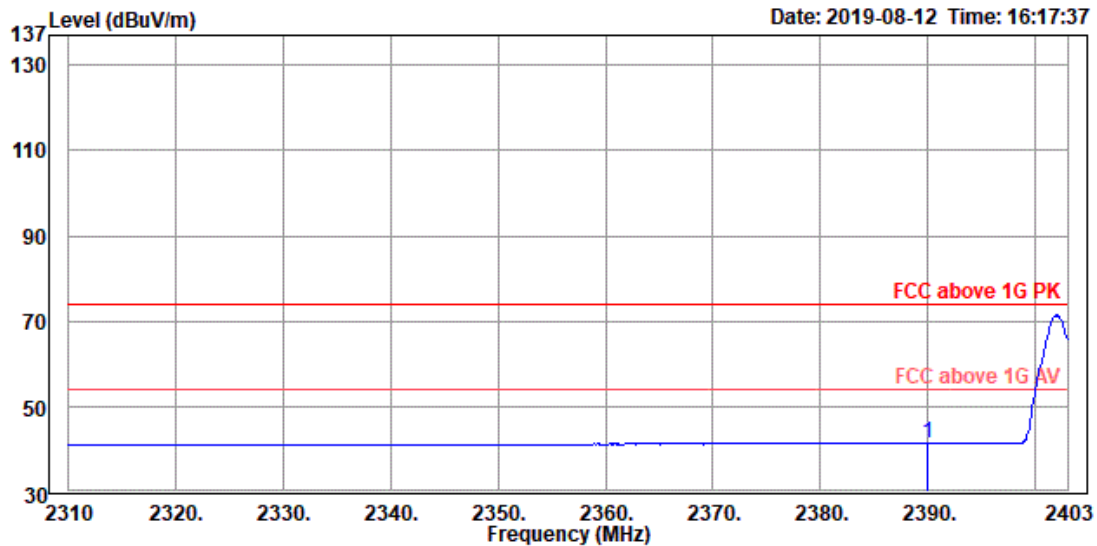
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	53.21	61.32	-8.11	74.00	-20.79	100	87	Peak	
2	2486.999	55.32	63.44	-8.12	74.00	-18.68	100	87	Peak	
3	2500.000	53.78	61.93	-8.15	74.00	-20.22	100	87	Peak	

Spurious Emissions, Band Edges for 2M

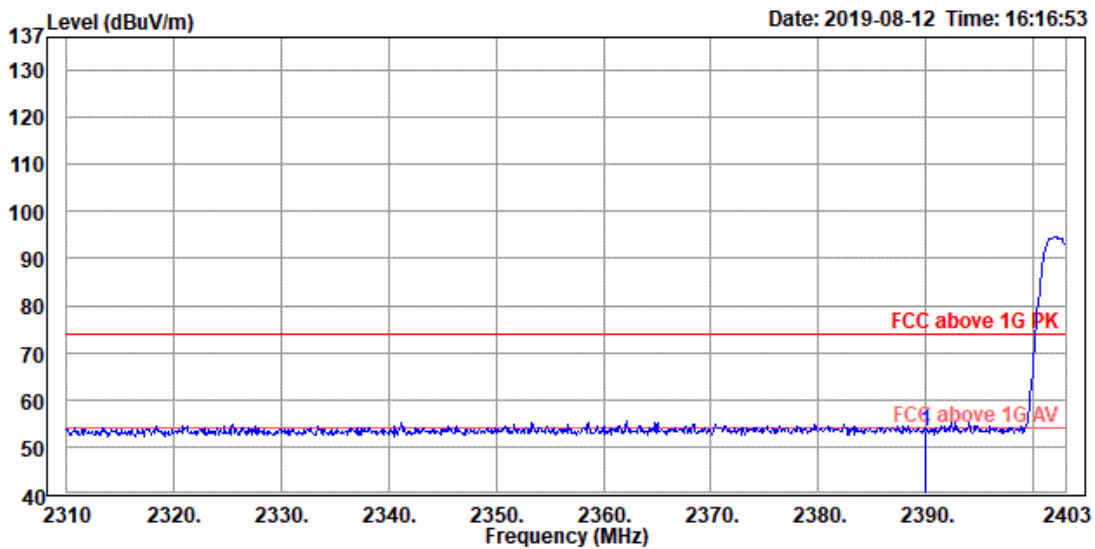


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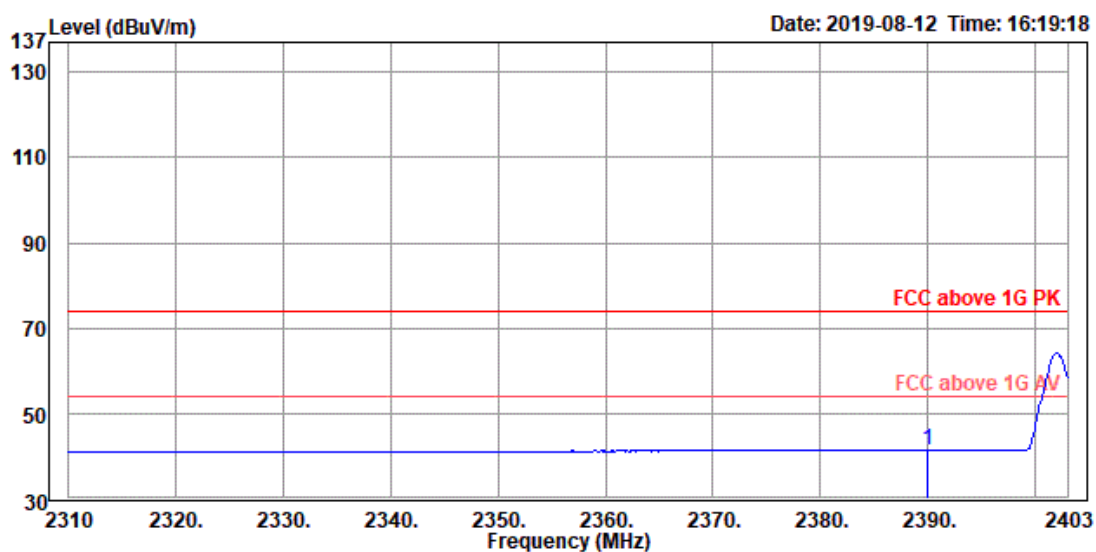
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBUV/m	dBUV	dB/m	dBUV/m	dB	cm	deg		
1	2390.000	41.36	49.62	-8.26	54.00	-12.64	100	194	Average	



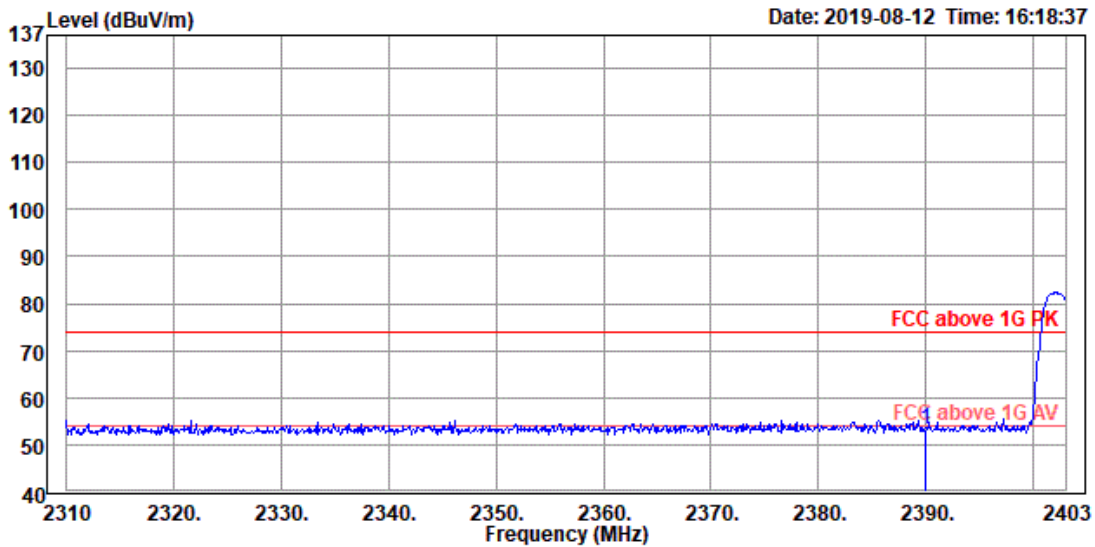
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	53.44	61.70	-8.26	74.00	-20.56	100	194	Peak	



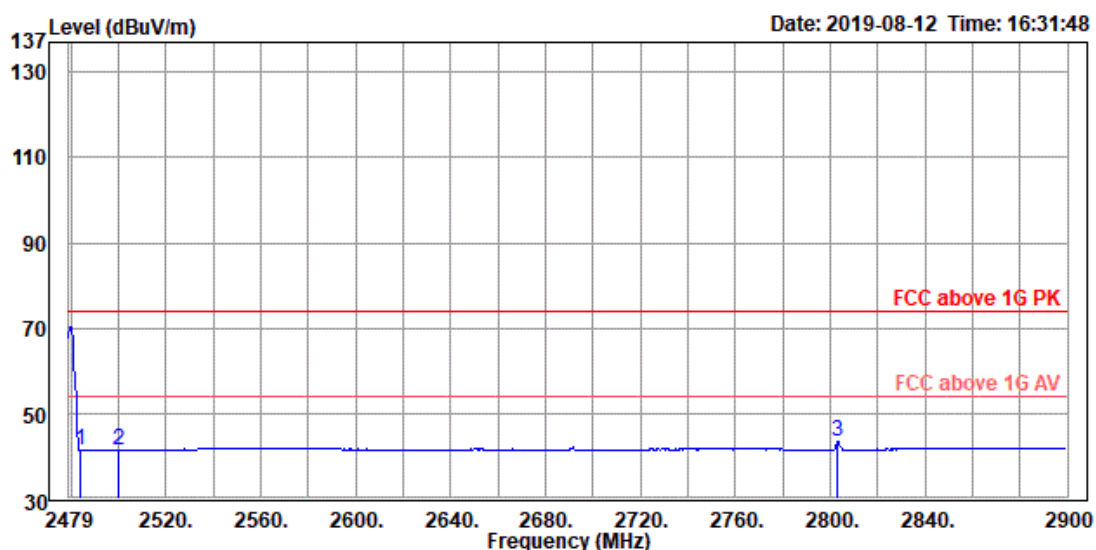
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	41.41	49.67	-8.26	54.00	-12.59	100	69	Average	



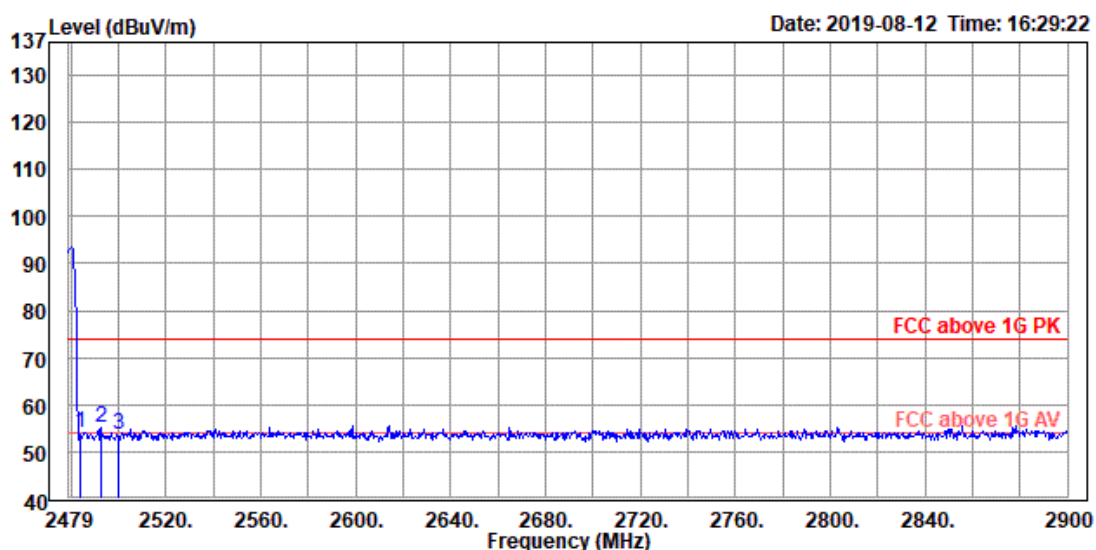
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	53.23	61.49	-8.26	74.00	-20.77	100	69	Peak	



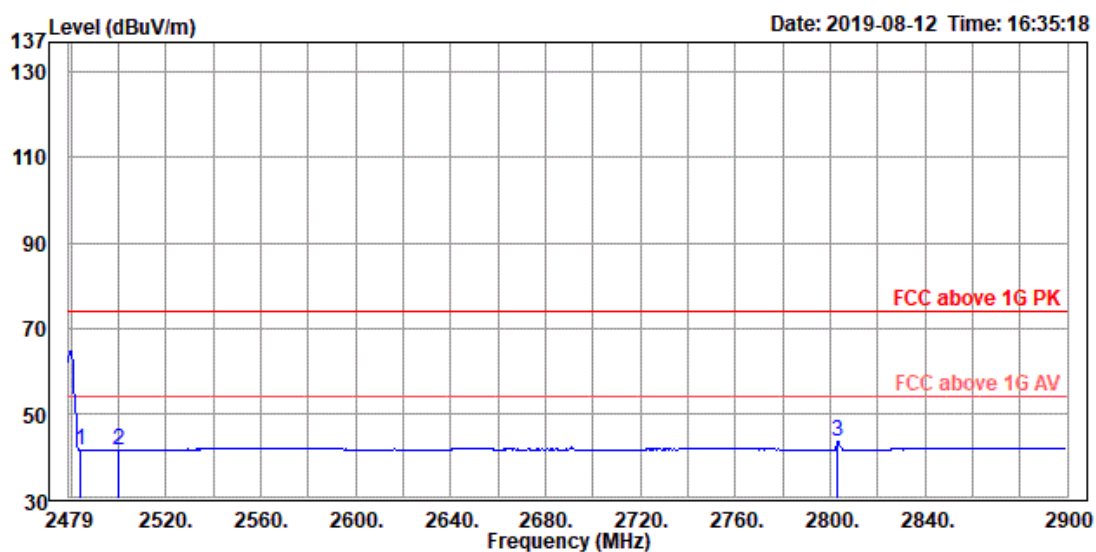
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	41.36	49.47	-8.11	54.00	-12.64	100	196	Average	
2	2500.000	41.37	49.52	-8.15	54.00	-12.63	100	196	Average	
3	2803.170	43.28	51.29	-8.01	54.00	-10.72	100	196	Average	



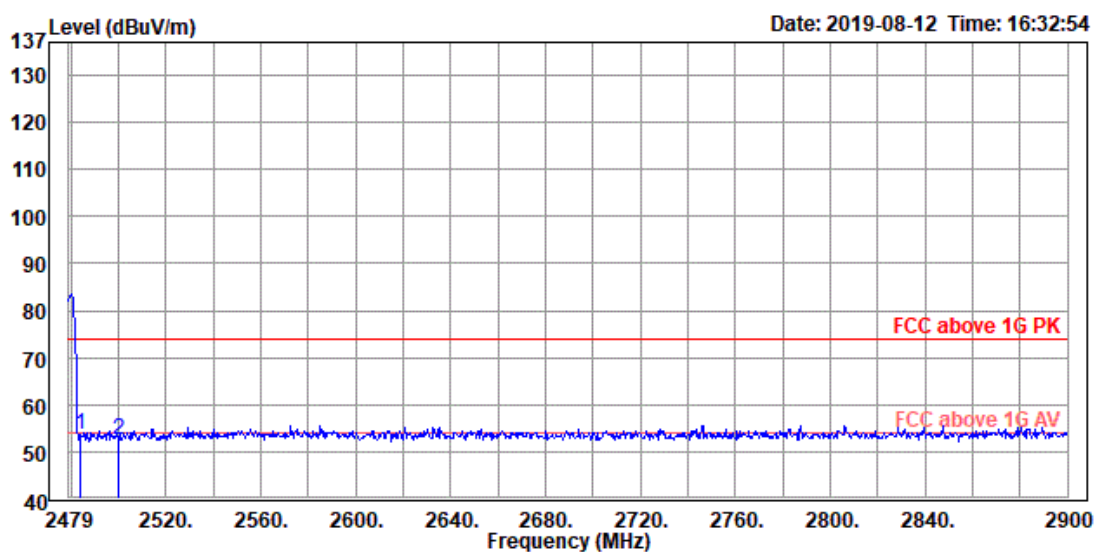
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	54.01	62.12	-8.11	74.00	-19.99	100	196	Peak	
2	2492.472	55.09	63.22	-8.13	74.00	-18.91	100	196	Peak	
3	2500.000	53.59	61.74	-8.15	74.00	-20.41	100	196	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	41.34	49.45	-8.11	54.00	-12.66	100	155	Average	
2	2500.000	41.39	49.54	-8.15	54.00	-12.61	100	155	Average	
3	2803.170	43.23	51.24	-8.01	54.00	-10.77	100	155	Average	



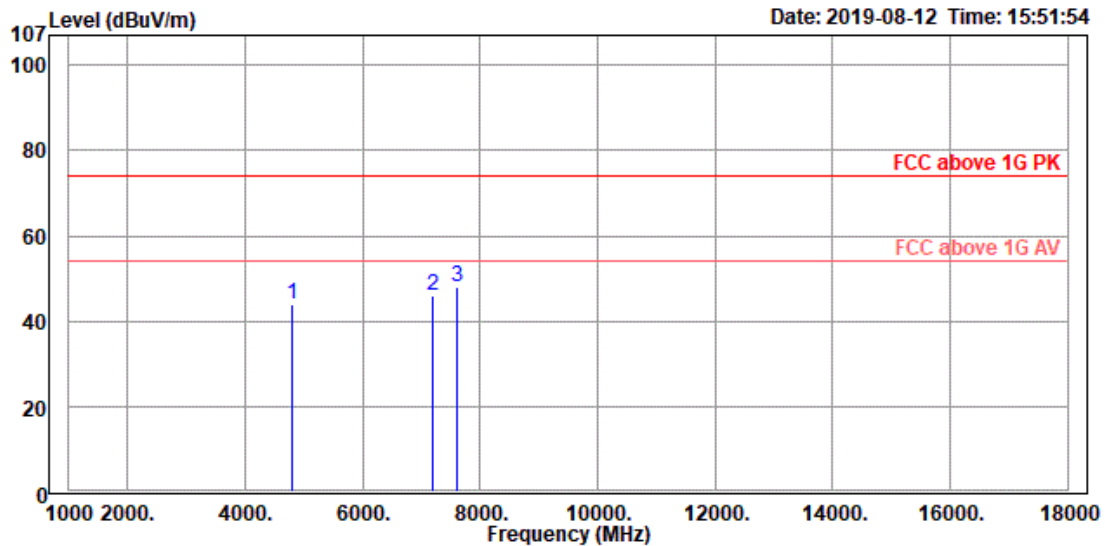
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	53.53	61.64	-8.11	74.00	-20.47	100	155	Peak	
2	2500.000	52.54	60.69	-8.15	74.00	-21.46	100	155	Peak	

Spurious Emissions, TX Mode, 1GHz-18GHz for 1M

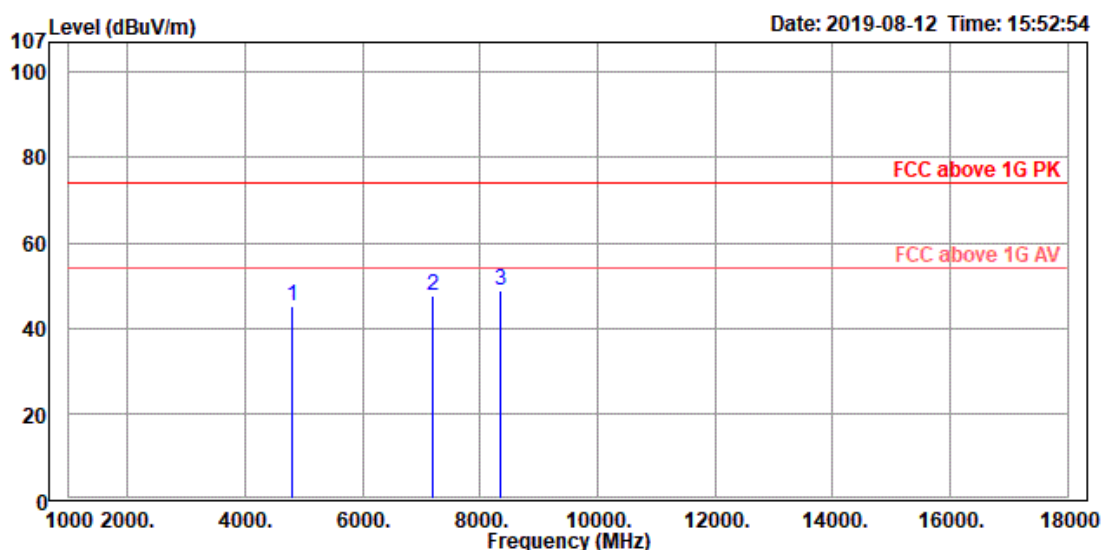


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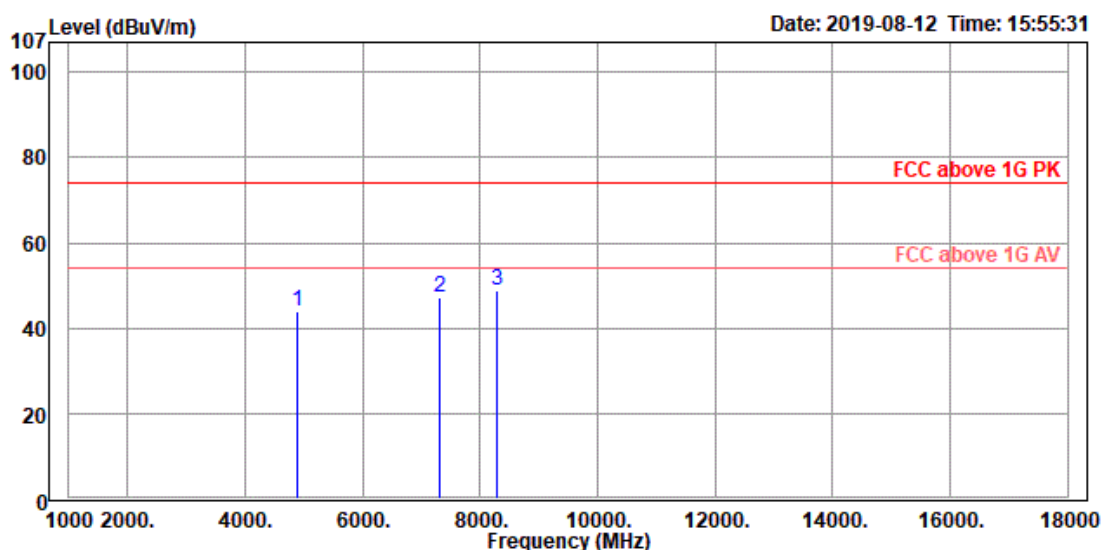
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	44.09	47.34	-3.25	74.00	-29.91	100	127	Peak	
2	7206.000	46.07	41.64	4.43	74.00	-27.93	100	41	Peak	
3	7596.000	48.01	42.81	5.20	74.00	-25.99	100	121	Peak	



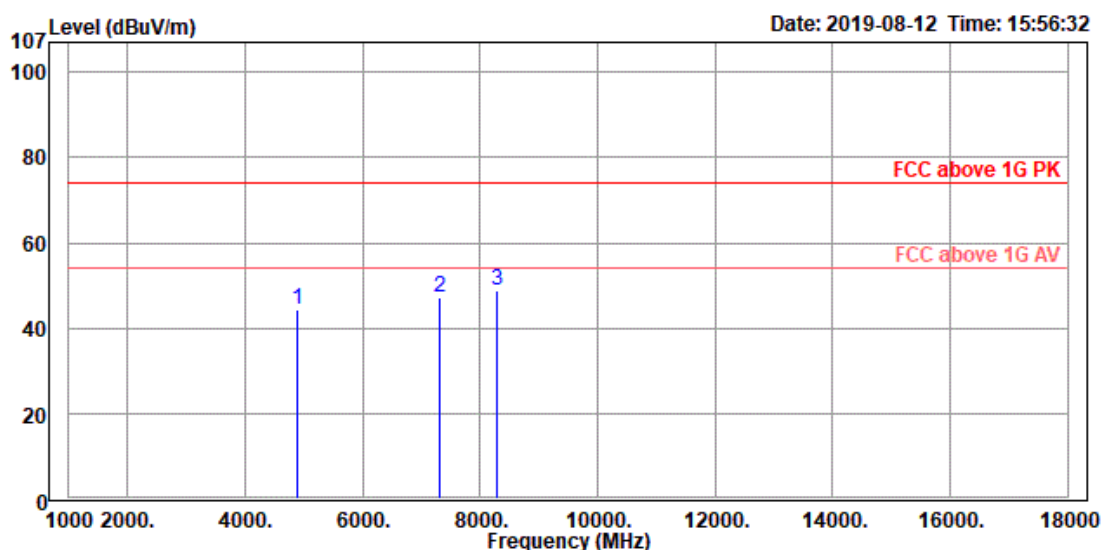
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	45.01	48.26	-3.25	74.00	-28.99	100	55	Peak	
2	7206.000	47.57	43.14	4.43	74.00	-26.43	100	184	Peak	
3	8344.000	48.77	43.40	5.37	74.00	-25.23	100	360	Peak	



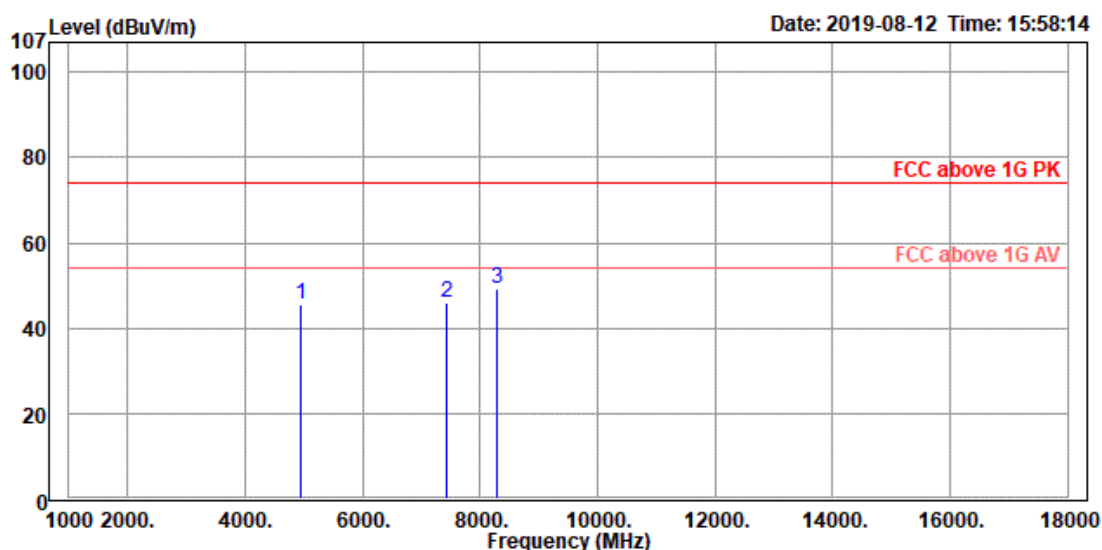
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	43.88	47.06	-3.18	74.00	-30.12	100	0	Peak	
2	7320.000	47.36	42.69	4.67	74.00	-26.64	100	44	Peak	
3	8293.000	48.96	43.59	5.37	74.00	-25.04	100	187	Peak	



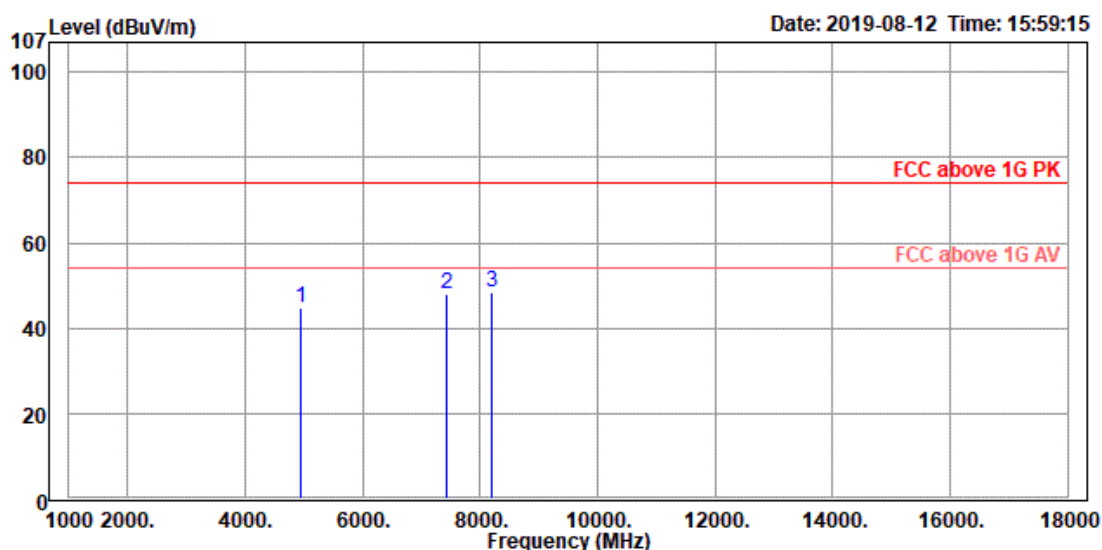
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	44.51	47.69	-3.18	74.00	-29.49	100	226	Peak	
2	7320.000	47.34	42.67	4.67	74.00	-26.66	100	360	Peak	
3	8276.000	48.79	43.44	5.35	74.00	-25.21	100	231	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	45.43	48.41	-2.98	74.00	-28.57	100	360	Peak	
2	7440.000	46.04	41.04	5.00	74.00	-27.96	100	66	Peak	
3	8276.000	49.13	43.78	5.35	74.00	-24.87	100	357	Peak	



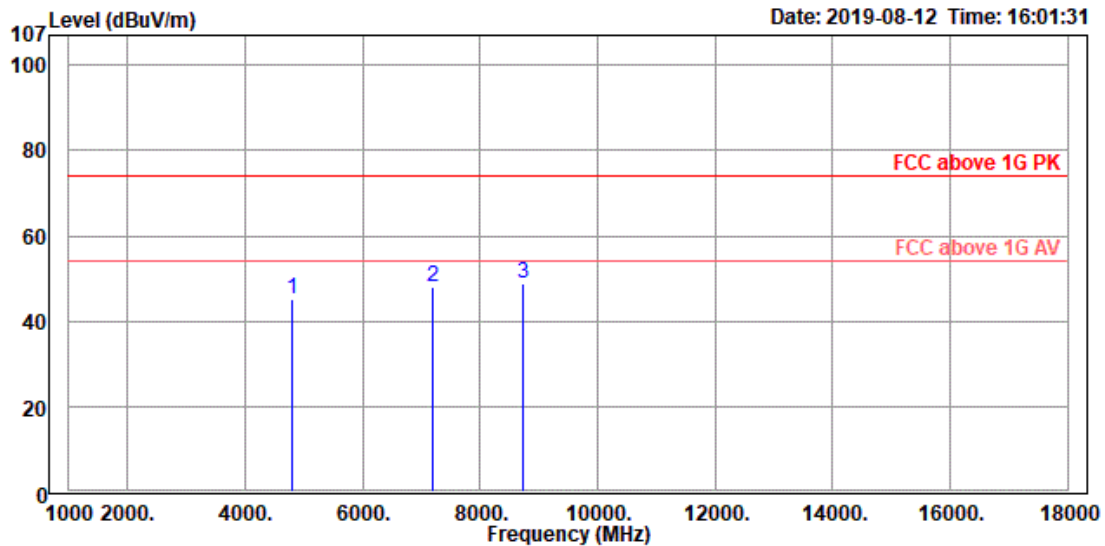
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	44.70	47.68	-2.98	74.00	-29.30	100	29	Peak	
2	7440.000	48.16	43.16	5.00	74.00	-25.84	100	107	Peak	
3	8191.000	48.36	43.14	5.22	74.00	-25.64	100	234	Peak	

Spurious Emissions, TX Mode, 1GHz-18GHz for 2M

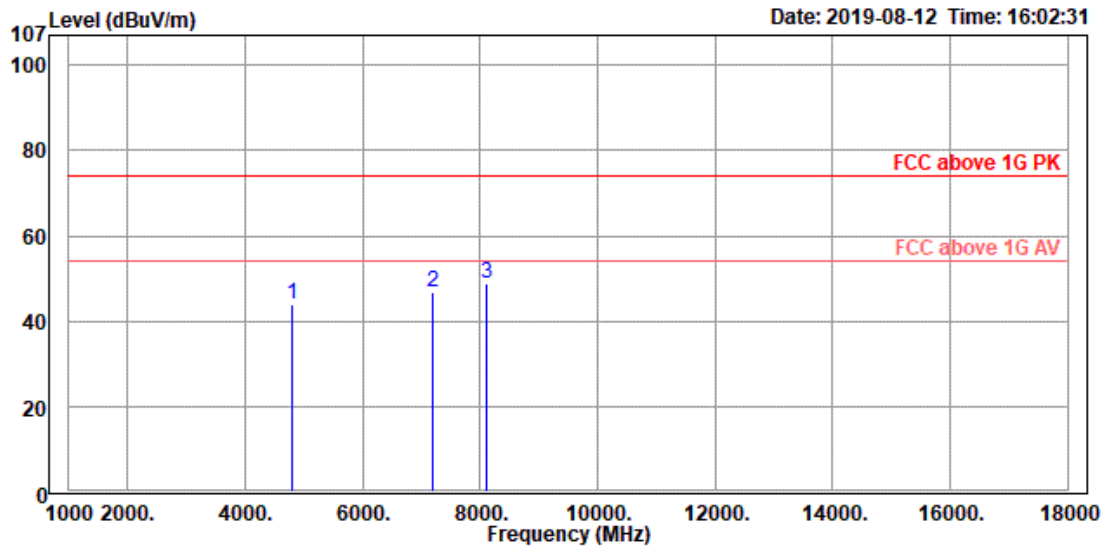


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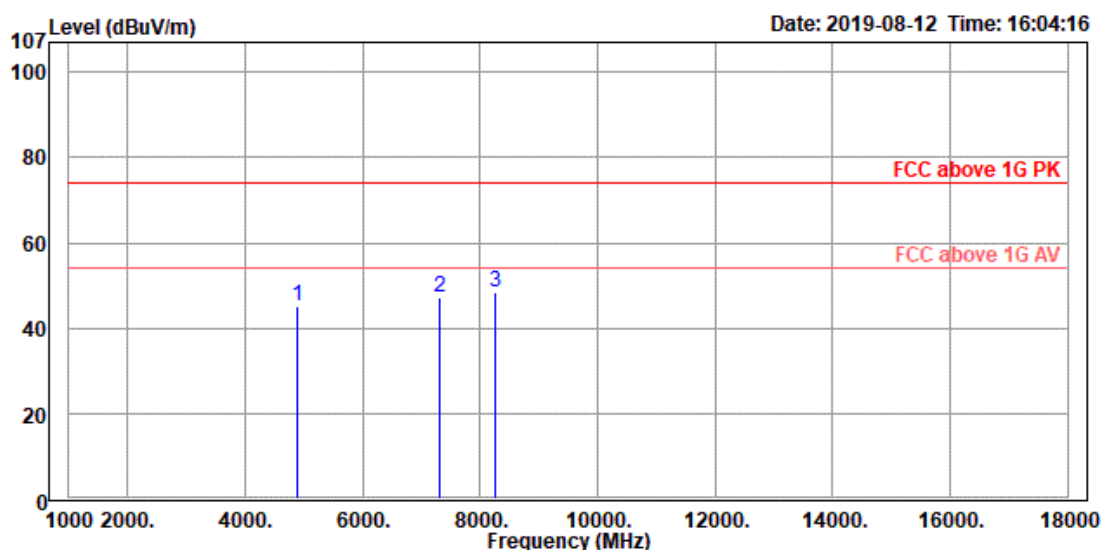
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	45.21	48.46	-3.25	74.00	-28.79	100	39	Peak	
2	7206.000	47.82	43.39	4.43	74.00	-26.18	100	0	Peak	
3	8718.000	48.64	42.96	5.68	74.00	-25.36	100	117	Peak	



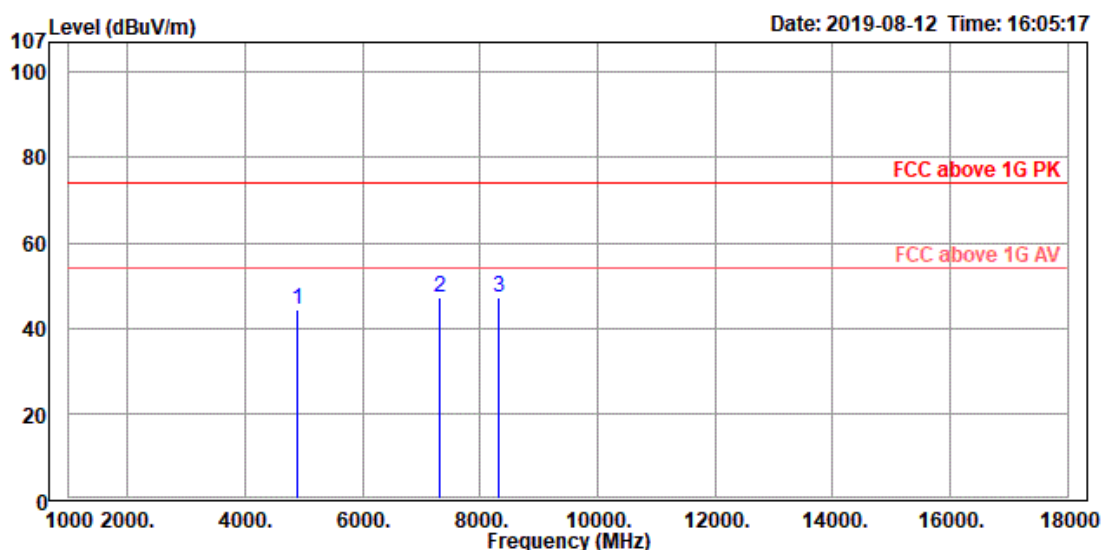
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	43.90	47.15	-3.25	74.00	-30.10	100	101	Peak	
2	7206.000	46.75	42.32	4.43	74.00	-27.25	100	61	Peak	
3	8106.000	48.87	43.79	5.08	74.00	-25.13	100	342	Peak	



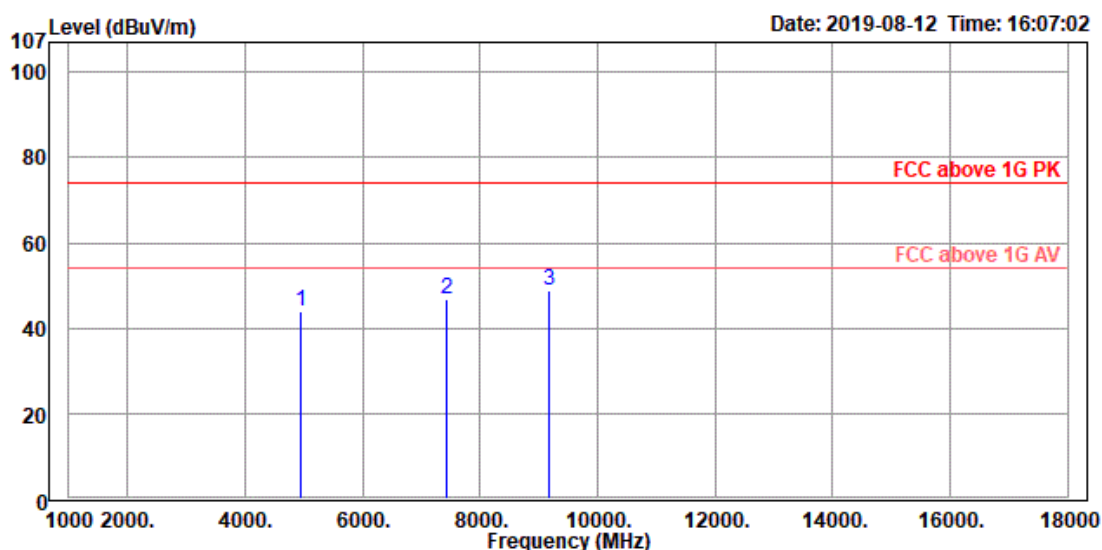
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	45.02	48.20	-3.18	74.00	-28.98	100	266	Peak	
2	7320.000	47.08	42.41	4.67	74.00	-26.92	100	86	Peak	
3	8259.000	48.43	43.10	5.33	74.00	-25.57	100	86	Peak	



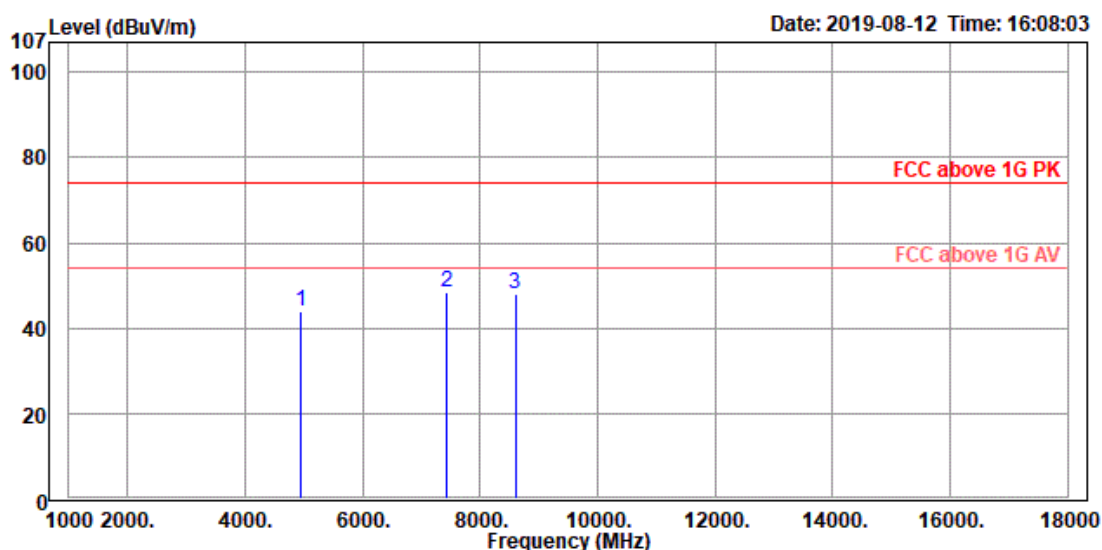
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	44.18	47.36	-3.18	74.00	-29.82	100	342	Peak	
2	7320.000	47.33	42.66	4.67	74.00	-26.67	100	212	Peak	
3	8310.000	47.30	41.92	5.38	74.00	-26.70	100	261	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	44.05	47.03	-2.98	74.00	-29.95	100	125	Peak	
2	7440.000	46.72	41.72	5.00	74.00	-27.28	100	159	Peak	
3	9177.000	48.65	43.03	5.62	74.00	-25.35	100	74	Peak	



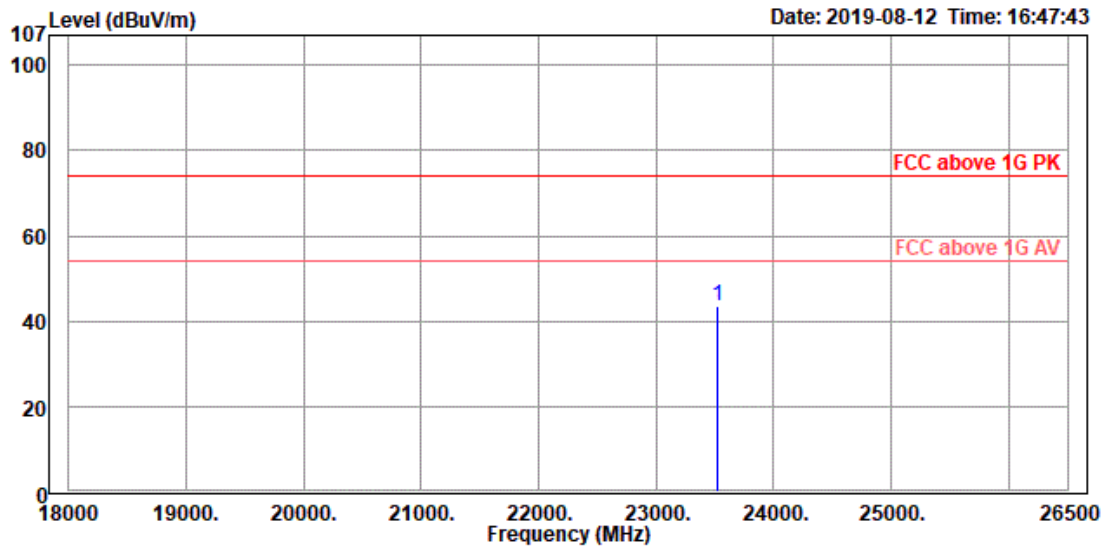
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	43.84	46.82	-2.98	74.00	-30.16	100	303	Peak	
2	7440.000	48.57	43.57	5.00	74.00	-25.43	100	52	Peak	
3	8599.000	47.97	42.31	5.66	74.00	-26.03	100	205	Peak	

Spurious Emissions, TX Mode, 18GHz-26GHz for 1M

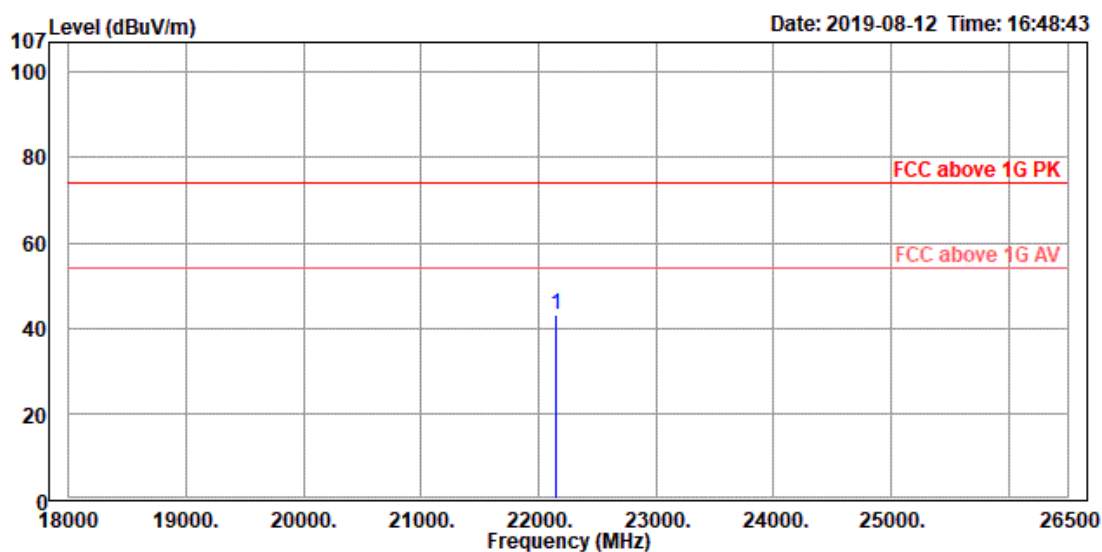


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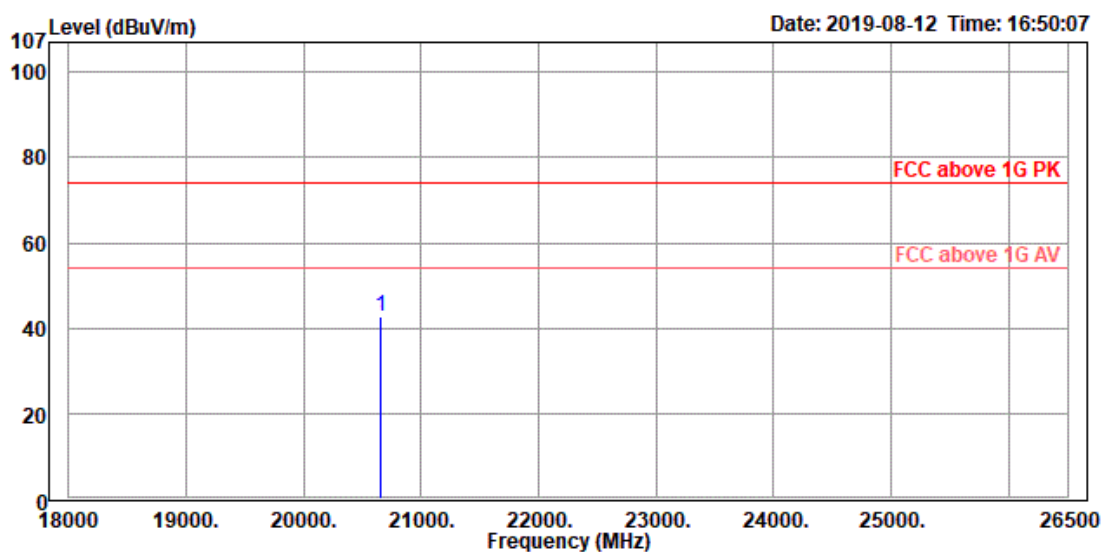
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBUV/m	dBUV	dB/m	dBUV/m	dB	cm	deg		
1	23525.000	43.45	42.38	1.07	74.00	-30.55	100	286	Peak	



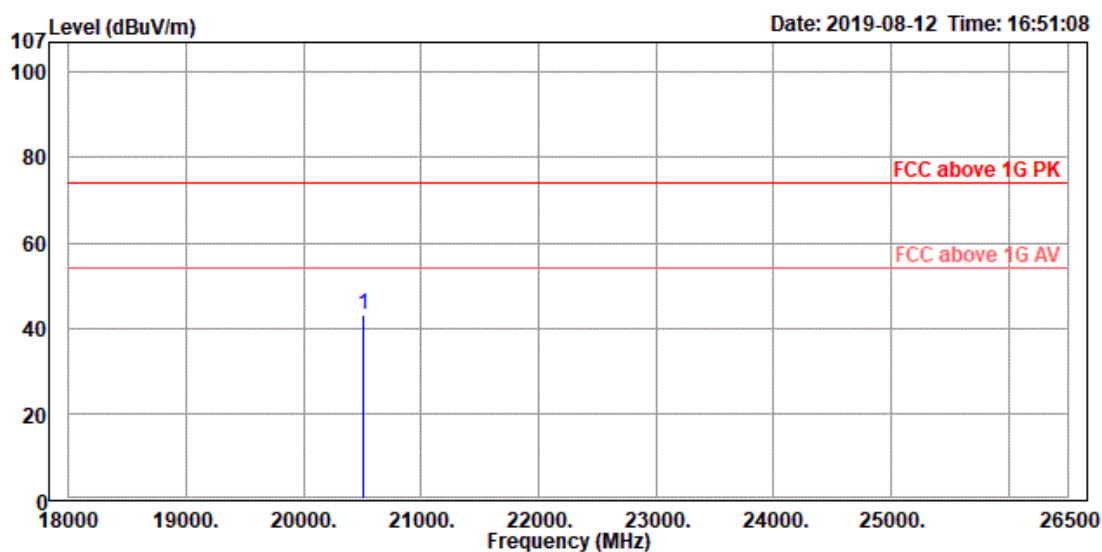
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	22148.000	43.18	43.31	-0.13	74.00	-30.82	100	0	Peak	



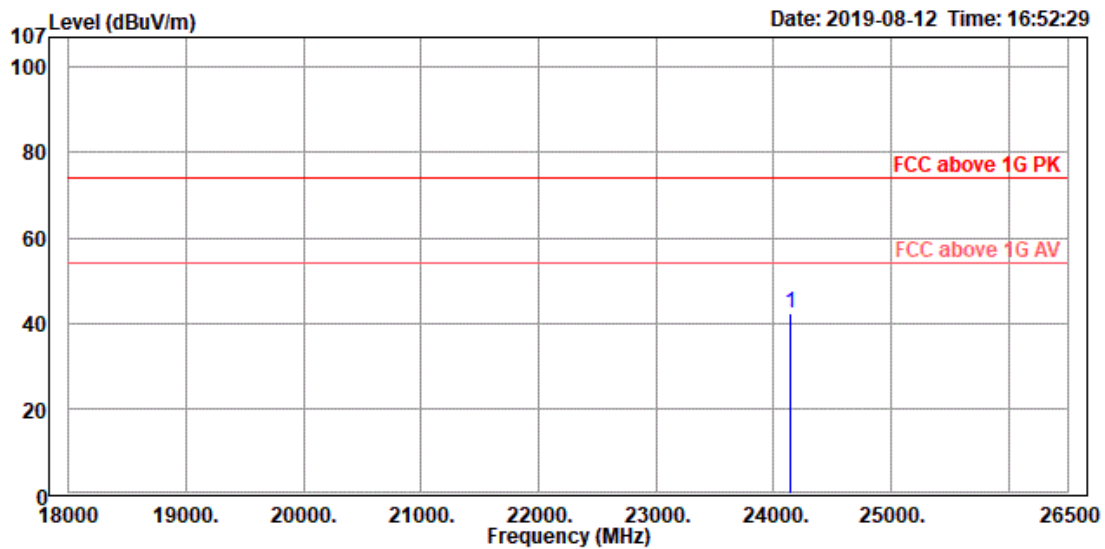
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20660.500	42.86	43.73	-0.87	74.00	-31.14	100	16	Peak	



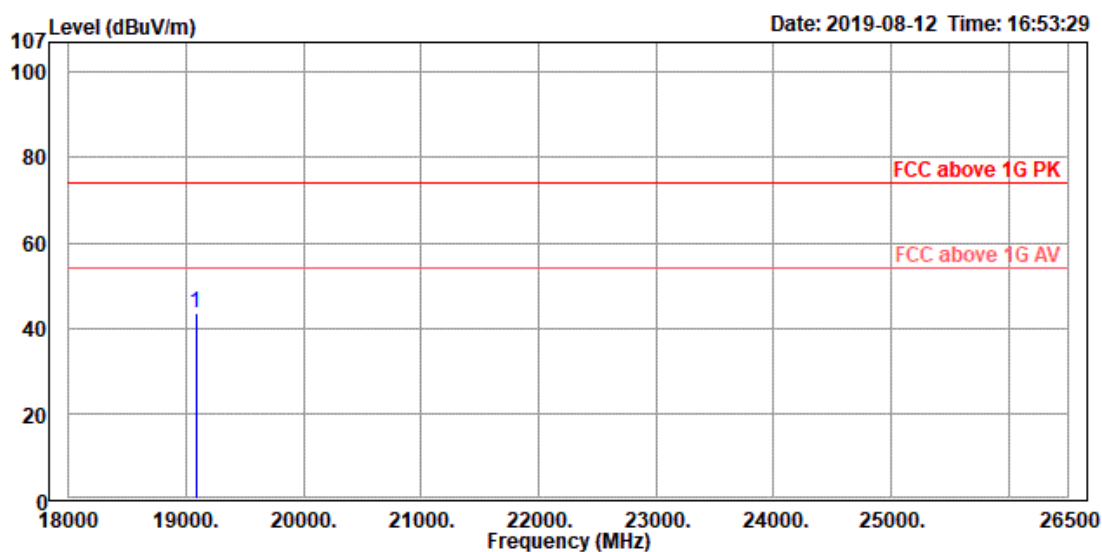
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20507.500	42.97	43.95	-0.98	74.00	-31.03	100	347	Peak	



Site : 966A Chamber A
 Condition : FCC above 1G PK 3m horizontal
 Test Engineer: Kevin Kuo
 Product : Mobile Computing Device
 Model No. : PD470SH-B
 Test Rating : 5Vdc
 Tmp/Hum : 20°C / 49%
 Power Setting: default
 Mode : 1M-TX-2480
 Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	24145.500	42.46	41.07	1.39	74.00	-31.54	100	129	Peak	



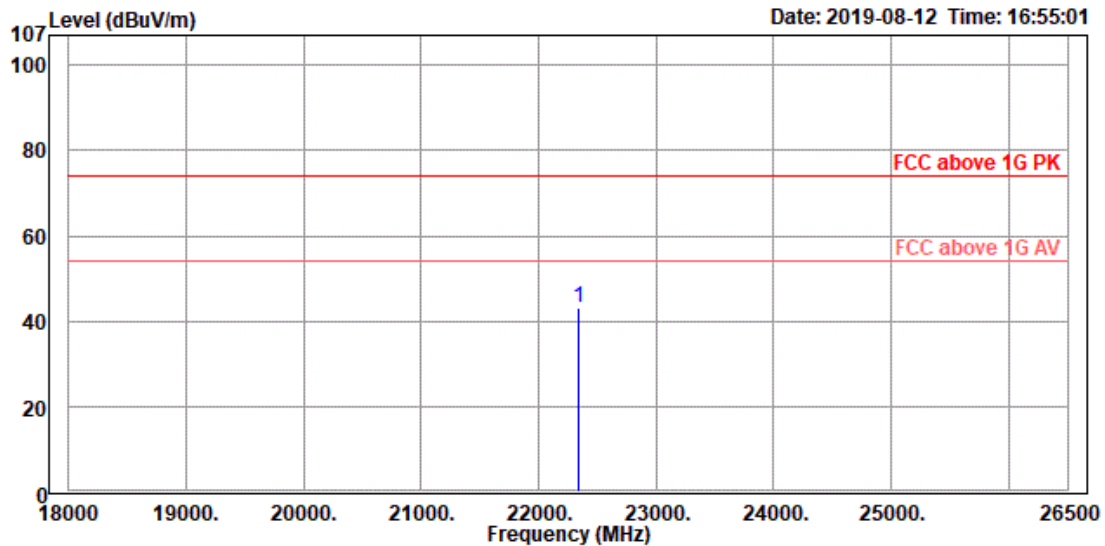
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	19079.500	43.67	46.35	-2.68	74.00	-30.33	100	114	Peak	

Spurious Emissions, TX Mode, 18GHz-26GHz for 2M

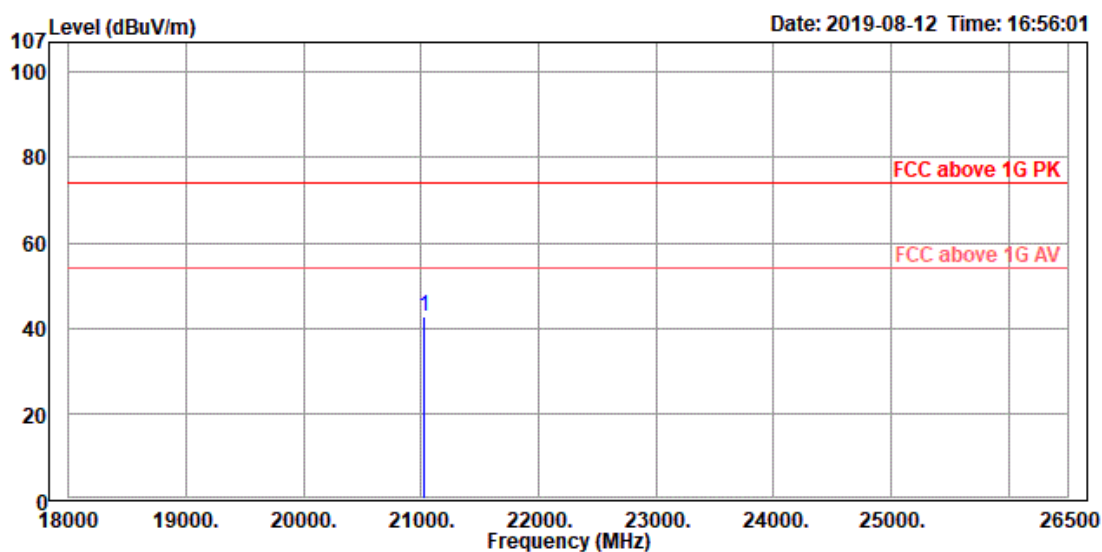


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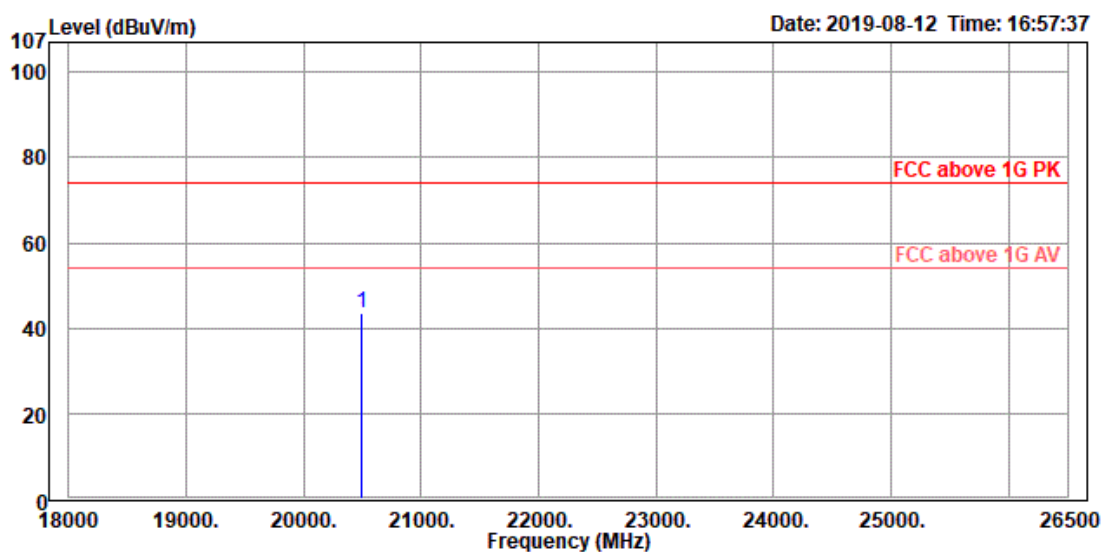
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	22343.500	43.16	43.20	-0.04	74.00	-30.84	100	360	Peak	



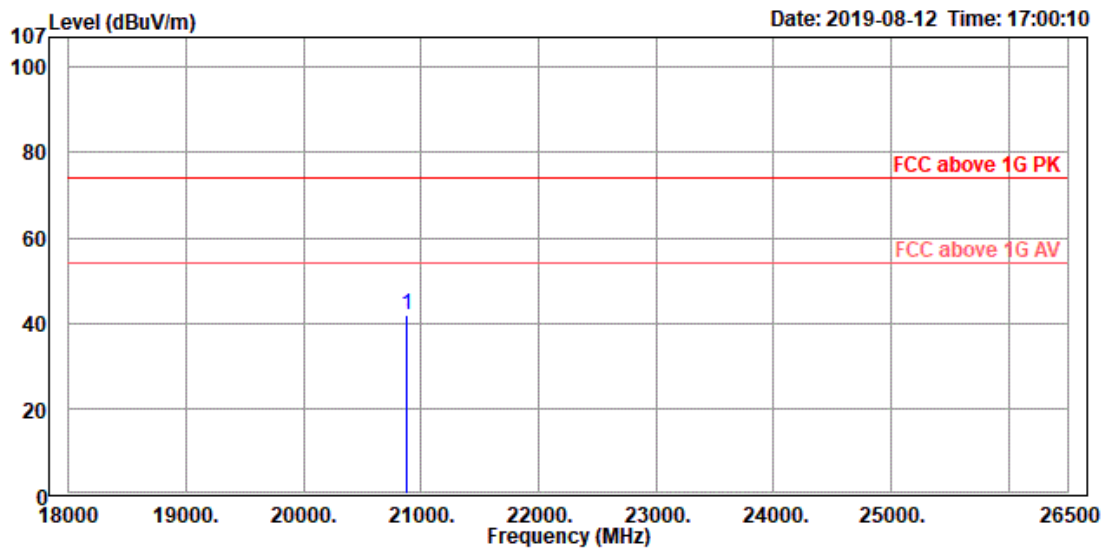
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2402
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	21017.500	42.52	43.29	-0.77	74.00	-31.48	100	320	Peak	



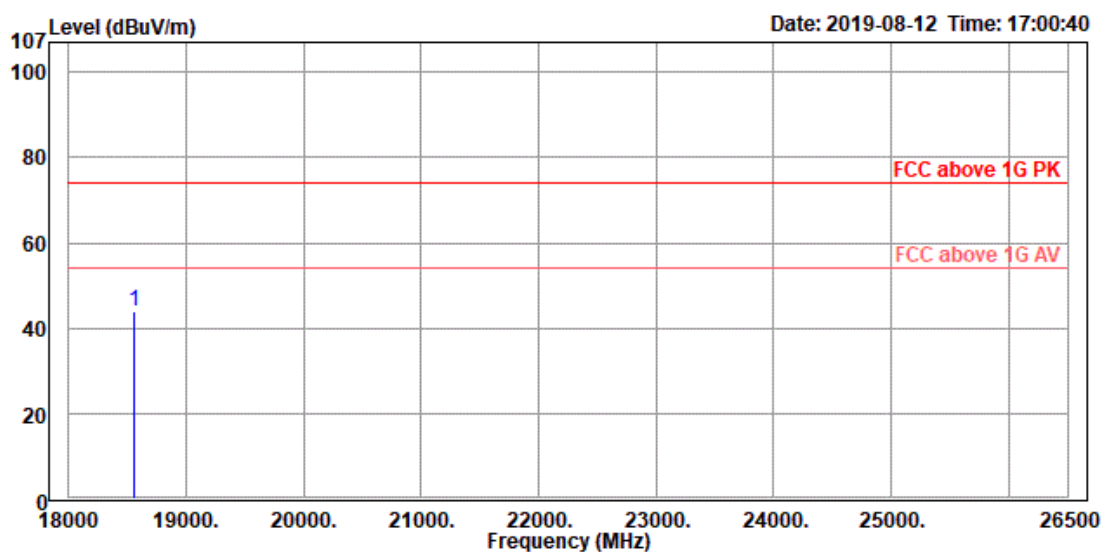
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20490.500	43.47	44.45	-0.98	74.00	-30.53	100	360	Peak	



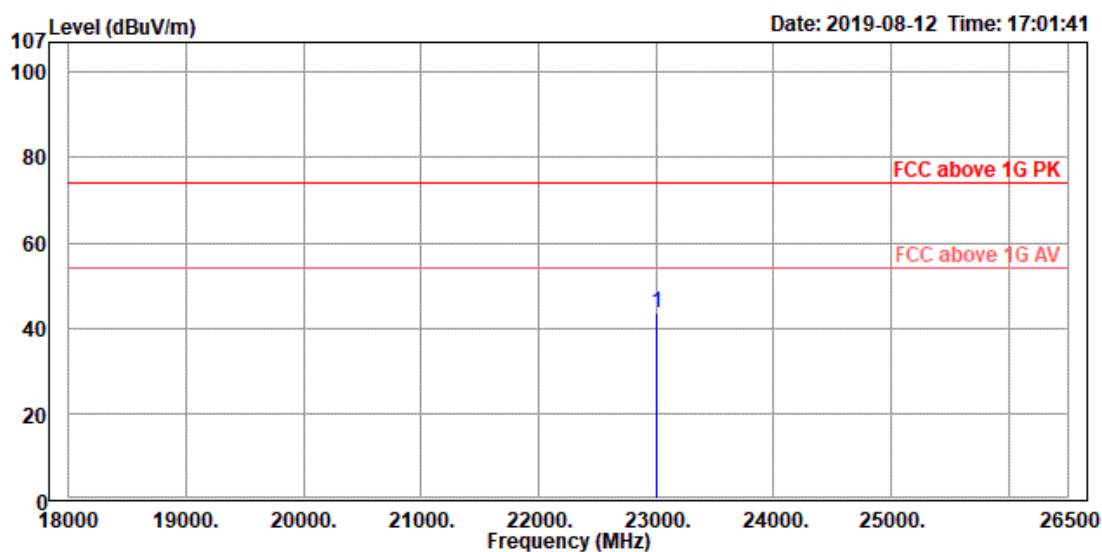
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20873.000	41.92	42.72	-0.80	74.00	-32.08	100	79	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	18552.500	43.90	46.95	-3.05	74.00	-30.10	100	163	Peak	



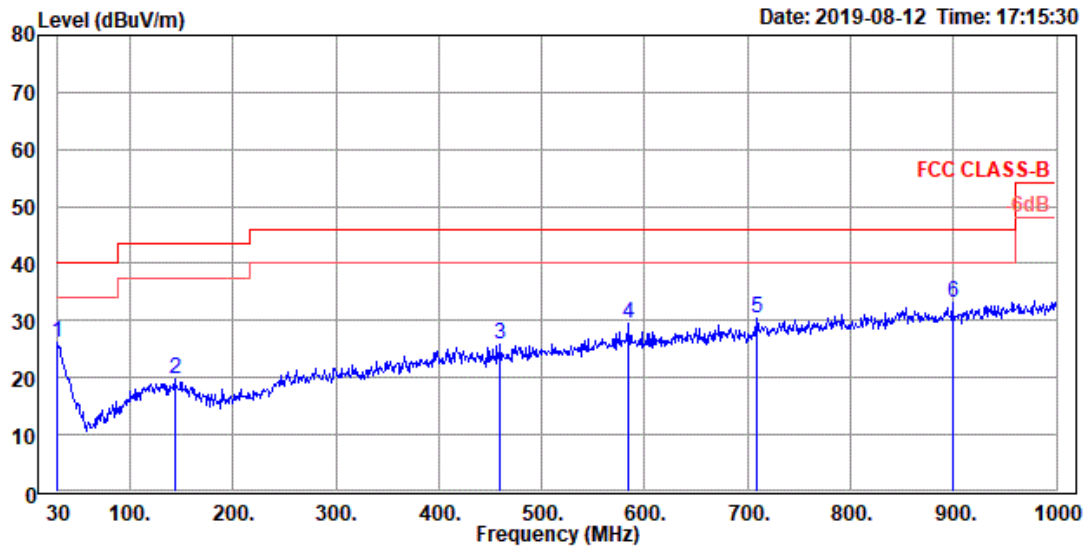
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2480
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23006.500	43.43	42.73	0.70	74.00	-30.57	100	21	Peak	

Spurious Emissions, TX Mode, 30MHz-1GHz for 1M

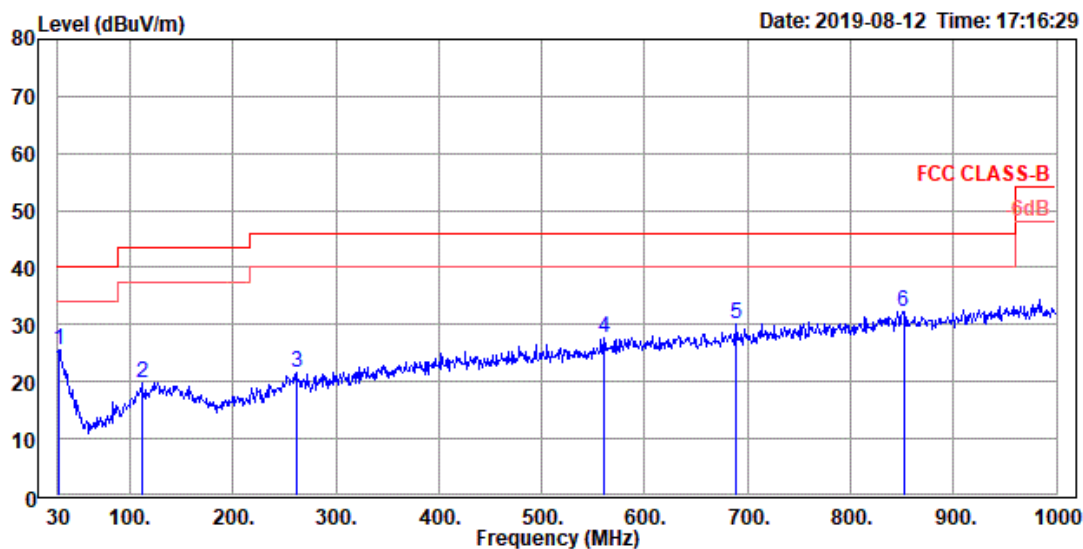


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Site : 966A Chamber A
Condition : FCC CLASS-B 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.000	26.17	26.15	0.02	40.00	-13.83	100	78	QP	
2	143.490	19.92	26.89	-6.97	43.50	-23.58	100	289	QP	
3	459.710	25.74	27.65	-1.91	46.00	-20.26	100	211	QP	
4	584.840	29.39	29.32	0.07	46.00	-16.61	100	198	QP	
5	709.000	30.41	29.23	1.18	46.00	-15.59	100	92	QP	
6	899.120	33.13	28.92	4.21	46.00	-12.87	100	309	QP	



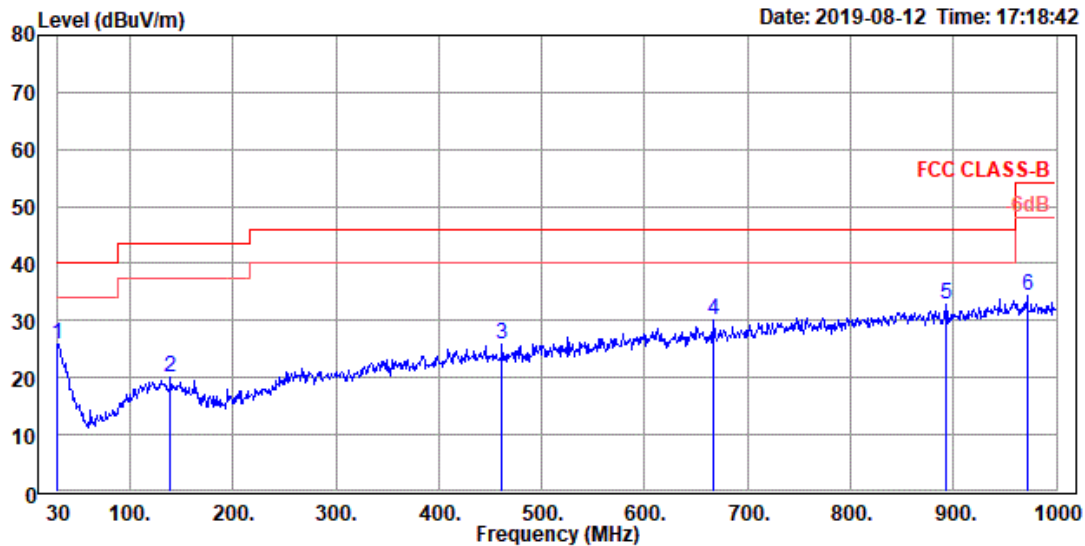
Site : 966A Chamber A
Condition : FCC CLASS-B 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.970	25.67	26.14	-0.47	40.00	-14.33	100	119	QP	
2	111.480	19.73	27.70	-7.97	43.50	-23.77	100	123	QP	
3	261.830	21.74	26.69	-4.95	46.00	-24.26	100	183	QP	
4	560.590	27.57	27.68	-0.11	46.00	-18.43	100	9	QP	
5	689.600	30.16	29.03	1.13	46.00	-15.84	100	71	QP	
6	851.590	32.34	28.65	3.69	46.00	-13.66	100	188	QP	

Spurious Emissions, TX Mode, 30MHz-1GHz for 2M

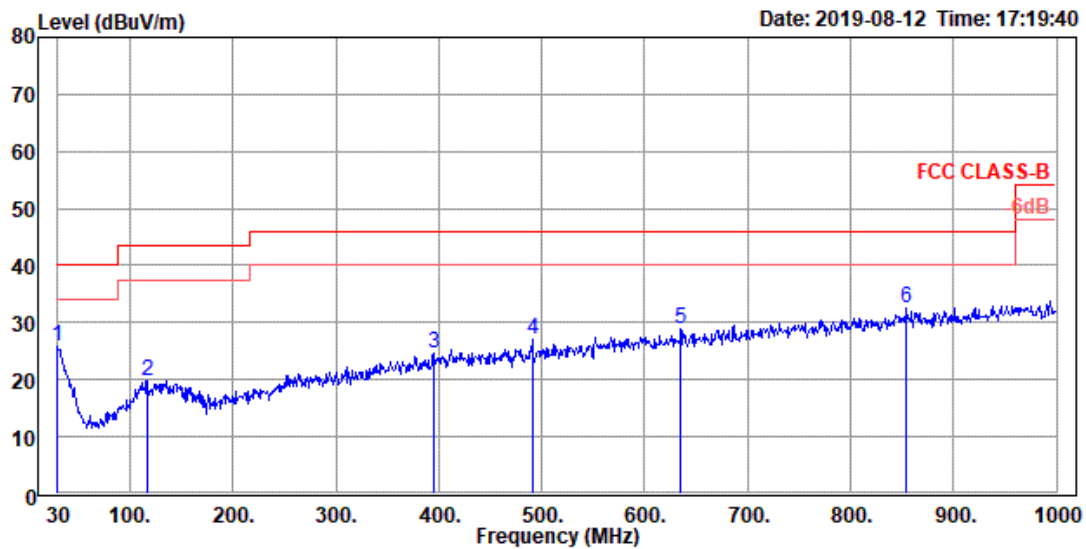


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Site : 966A Chamber A
Condition : FCC CLASS-B 3m horizontal
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.000	25.89	25.87	0.02	40.00	-14.11	100	173	QP	
2	139.610	20.05	27.01	-6.96	43.50	-23.45	100	299	QP	
3	461.650	25.72	27.61	-1.89	46.00	-20.28	100	308	QP	
4	667.290	30.22	29.40	0.82	46.00	-15.78	100	59	QP	
5	892.330	32.84	28.79	4.05	46.00	-13.16	100	33	QP	
6	971.870	34.51	28.87	5.64	54.00	-19.49	100	360	QP	



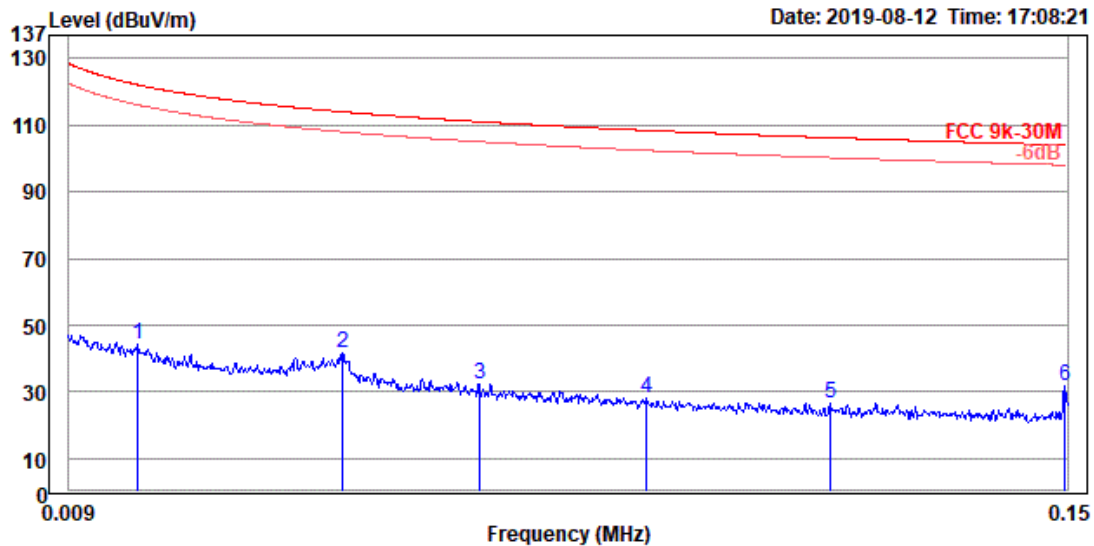
Site : 966A Chamber A
Condition : FCC CLASS-B 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.000	25.91	25.89	0.02	40.00	-14.09	100	16	QP	
2	116.330	19.89	27.49	-7.60	43.50	-23.61	100	305	QP	
3	395.690	24.55	27.15	-2.60	46.00	-21.45	100	239	QP	
4	490.750	27.03	28.49	-1.46	46.00	-18.97	100	135	QP	
5	635.280	29.04	28.45	0.59	46.00	-16.96	100	26	QP	
6	854.500	32.45	28.69	3.76	46.00	-13.55	100	90	QP	

Spurious Emissions, TX Mode, 9kHz-30MHz for 1M

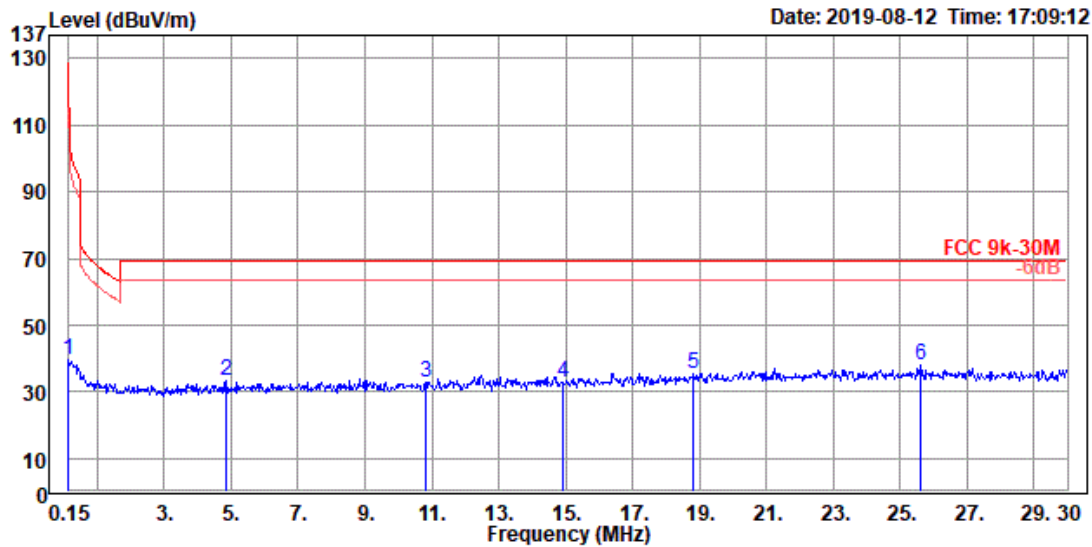


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Site : 966A Chamber A
Condition : FCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.019	44.21	25.74	18.47	122.14	-77.93	100	12	QP	
2	0.048	41.64	22.75	18.89	114.03	-72.39	100	27	QP	
3	0.067	32.50	14.02	18.48	111.08	-78.58	100	133	QP	
4	0.090	28.07	10.14	17.93	108.46	-80.39	100	236	QP	
5	0.116	26.45	8.68	17.77	106.27	-79.82	100	57	QP	
6	0.150	31.56	13.65	17.91	104.10	-72.54	100	218	QP	



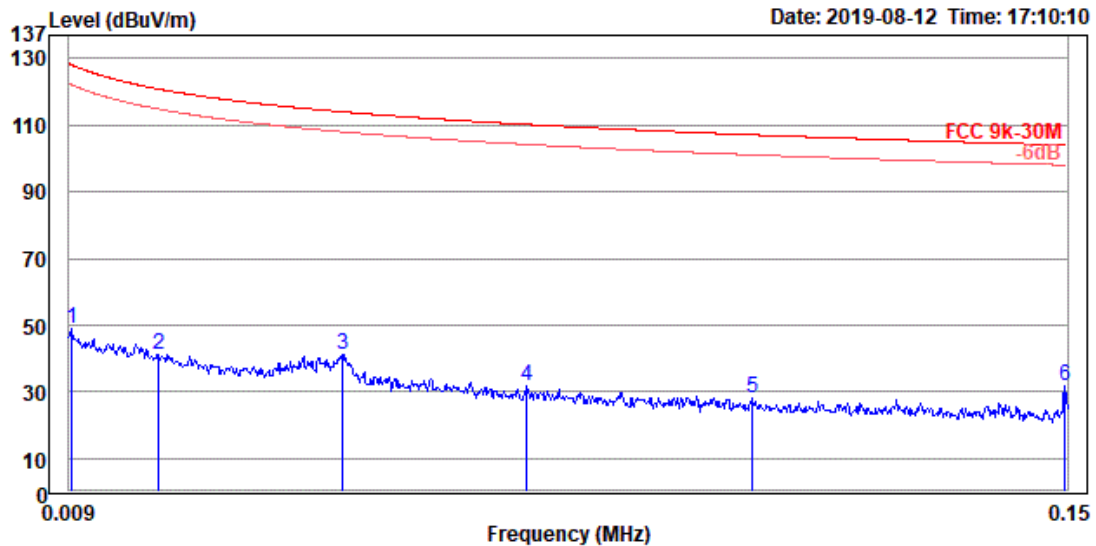
Site : 966A Chamber A
Condition : FCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 1M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	39.81	21.90	17.91	104.08	-64.27	100	79	QP	
2	4.836	33.10	13.82	19.28	69.50	-36.40	100	288	QP	
3	10.806	33.03	12.55	20.48	69.50	-36.47	100	352	QP	
4	14.896	32.72	11.83	20.89	69.50	-36.78	100	106	QP	
5	18.836	35.51	14.22	21.29	69.50	-33.99	100	38	QP	
6	25.612	37.87	16.22	21.65	69.50	-31.63	100	104	QP	

Spurious Emissions, TX Mode, 9kHz-30MHz for 2M

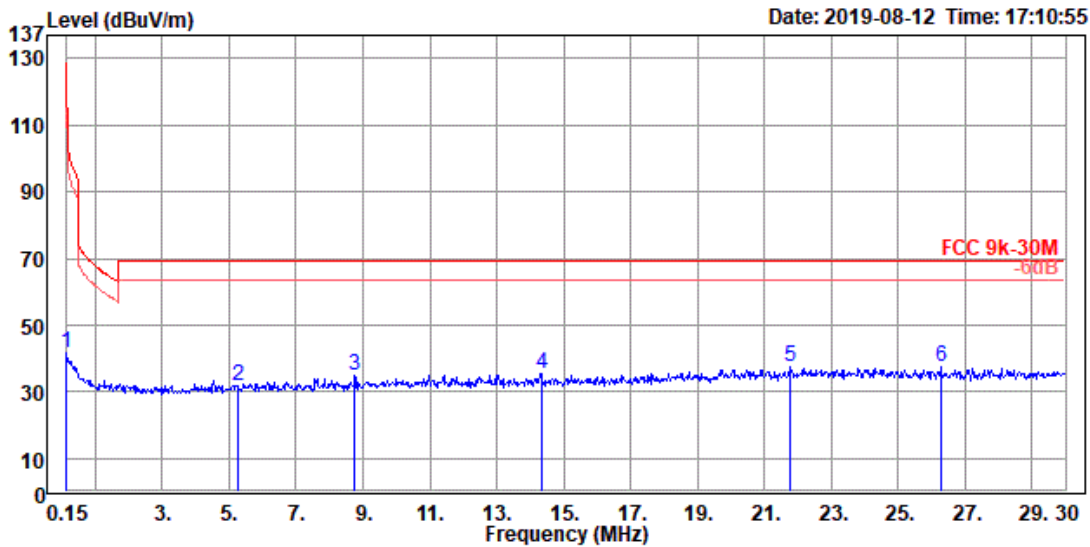


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Site : 966A Chamber A
Condition : FCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2440
Memo : Z

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.009	48.93	30.93	18.00	128.23	-79.30	100	96	QP	
2	0.022	41.28	22.68	18.60	120.92	-79.64	100	283	QP	
3	0.048	41.34	22.45	18.89	114.03	-72.69	100	152	QP	
4	0.074	31.88	13.56	18.32	110.24	-78.36	100	304	QP	
5	0.105	27.88	10.16	17.72	107.14	-79.26	100	279	QP	
6	0.150	31.52	13.61	17.91	104.09	-72.57	100	8	QP	



Site : 966A Chamber A
Condition : FCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 5Vdc
Tmp/Hum : 20°C / 49%
Power Setting: default
Mode : 2M-TX-2440
Memo : Z

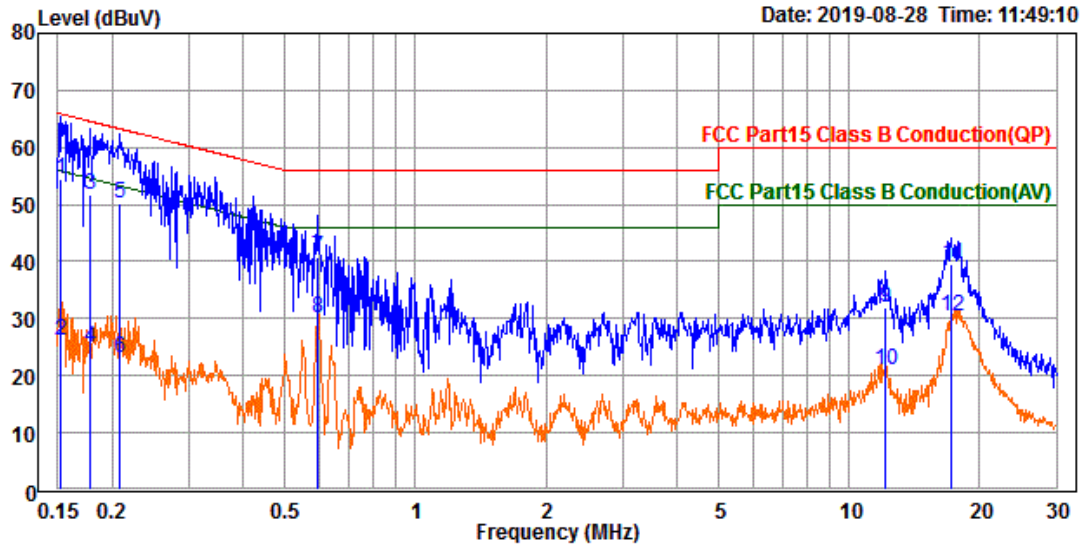
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	41.71	23.80	17.91	104.08	-62.37	100	71	QP	
2	5.254	32.03	12.64	19.39	69.50	-37.47	100	231	QP	
3	8.747	34.95	14.82	20.13	69.50	-34.55	100	194	QP	
4	14.329	35.61	14.78	20.83	69.50	-33.89	100	208	QP	
5	21.791	37.35	15.87	21.48	69.50	-32.15	100	339	QP	
6	26.269	37.49	15.80	21.69	69.50	-32.01	100	18	QP	

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

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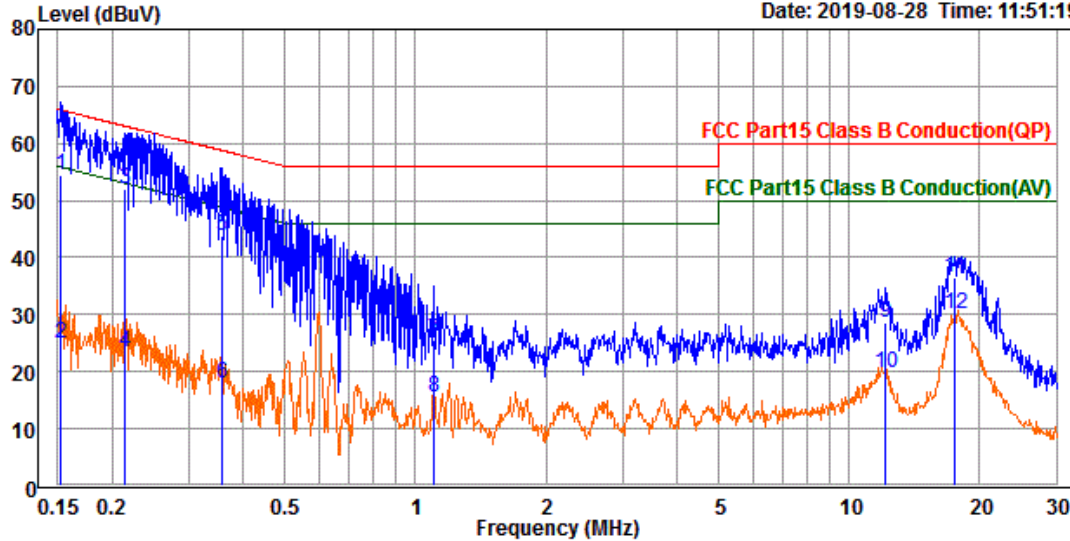
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 120Vac, 60Hz
Tmp/Hum : 26.8°C / 34%
Power Setting: default
Mode : BLE
Memo : Z

	Read Freq	Level dBuV	Factor dB	Level dBuV	Limit Line dBuV	Over Limit dB	Remark
	MHz						
1	0.152	44.78	9.61	54.39	65.92	-11.53	QP
2	0.152	16.53	9.61	26.14	55.92	-29.78	Average
3	0.179	42.16	9.61	51.77	64.55	-12.78	QP
4	0.179	15.24	9.61	24.85	54.55	-29.70	Average
5	0.207	40.69	9.61	50.30	63.31	-13.01	QP
6	0.207	13.56	9.61	23.17	53.31	-30.14	Average
7	0.594	31.20	9.62	40.82	56.00	-15.18	QP
8	0.594	20.35	9.62	29.97	46.00	-16.03	Average
9	12.110	22.11	9.75	31.86	60.00	-28.14	QP
10	12.110	11.20	9.75	20.95	50.00	-29.05	Average
11	17.252	29.87	9.77	39.64	60.00	-20.36	QP
12	17.252	20.72	9.77	30.49	50.00	-19.51	Average

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Date: 2019-08-28 Time: 11:51:19



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kevin Kuo
Product : Mobile Computing Device
Model No. : PD470SH-B
Test Rating : 120Vac, 60Hz
Tmp/Hum : 26.8°C / 34%
Power Setting: default
Mode : BLE
Memo : Z

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	44.74	9.62	54.36	65.92	-11.56	QP
2	0.152	15.42	9.62	25.04	55.92	-30.88	Average
3	0.214	42.38	9.62	52.00	63.06	-11.06	QP
4	0.214	13.87	9.62	23.49	53.06	-29.57	Average
5	0.359	34.28	9.63	43.91	58.76	-14.85	QP
6	0.359	8.32	9.63	17.95	48.76	-30.81	Average
7	1.101	16.03	9.63	25.66	56.00	-30.34	QP
8	1.101	6.00	9.63	15.63	46.00	-30.37	Average
9	12.110	18.82	9.77	28.59	60.00	-31.41	QP
10	12.110	9.98	9.77	19.75	50.00	-30.25	Average
11	17.512	26.72	9.81	36.53	60.00	-23.47	QP
12	17.512	20.20	9.81	30.01	50.00	-19.99	Average