

# Test Report No.50278818 001

## Appendix D: Radiated Spurious Emission Data

(File: 50278818 001 Appendix D)

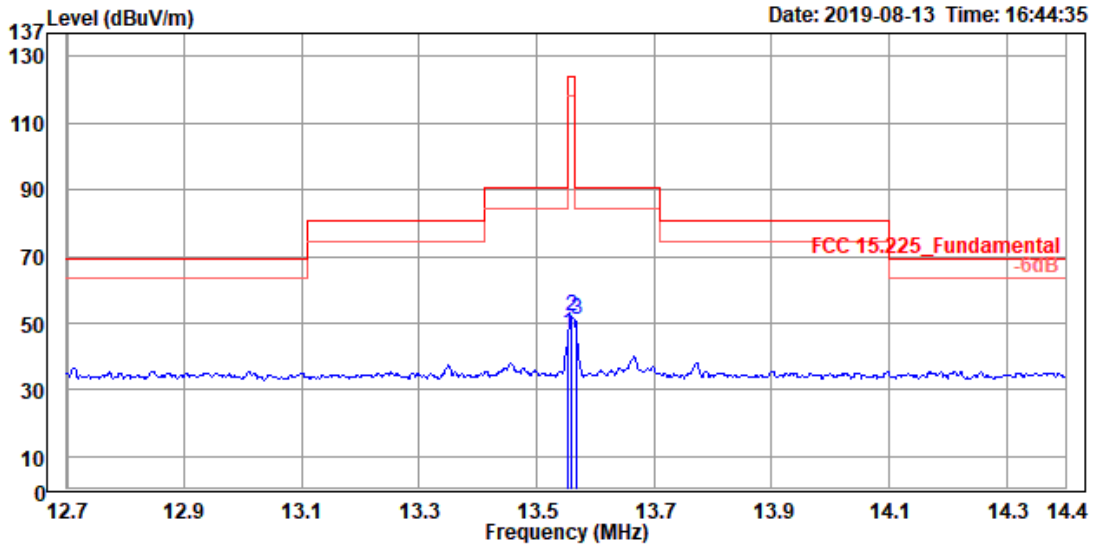
### Contents

Emissions, Fundamental.....	2
Spurious Emissions, TX+RX Mode, 9K-30M .....	3
Spurious Emissions, TX+RX Mode,30M-1G .....	5
Spurious Emissions, AC Mains .....	7

# Emissions, Fundamental



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



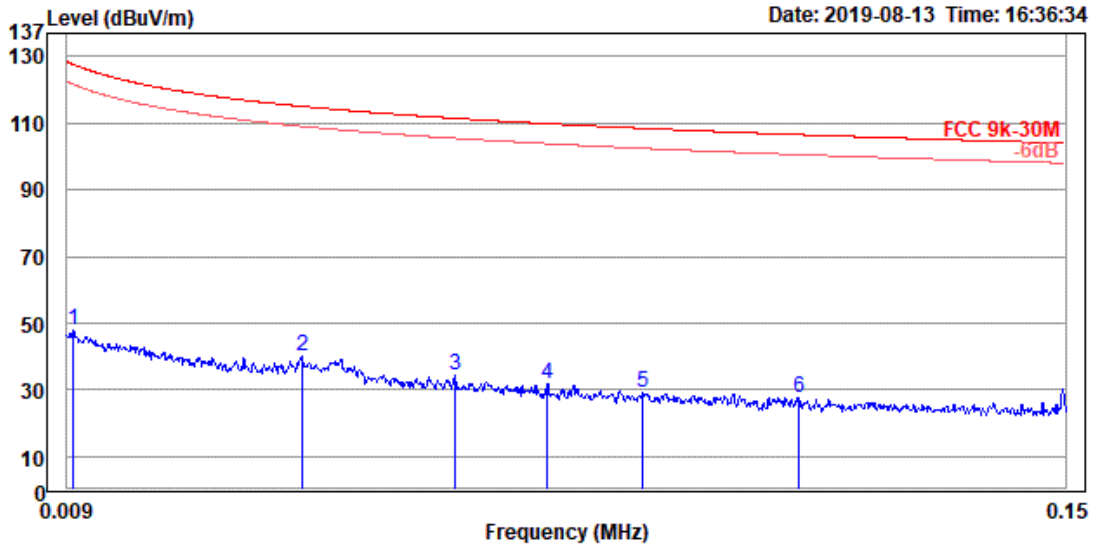
Site : 966A Chamber A  
 Condition : limit\FCC 15.225\_Fundamental.csv 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Mobile Computing Device  
 Model No. : PD470SH-B  
 Test Rating : 5Vdc  
 Tmp/Hum : 21°C / 52%  
 Power Setting: default  
 Mode : TX-13.56  
 Memo : Y(直立)

	Read Freq	Level	Factor	Level	Limit	Over	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	13.553	26.24	20.76	47.00	90.47	-43.47	100	79	QP	
2	13.560	31.08	20.76	51.84	124.00	-72.16	100	203	QP	
3	13.567	30.08	20.76	50.84	90.47	-39.63	100	119	QP	

# Spurious Emissions, TX+RX Mode, 9K-30M

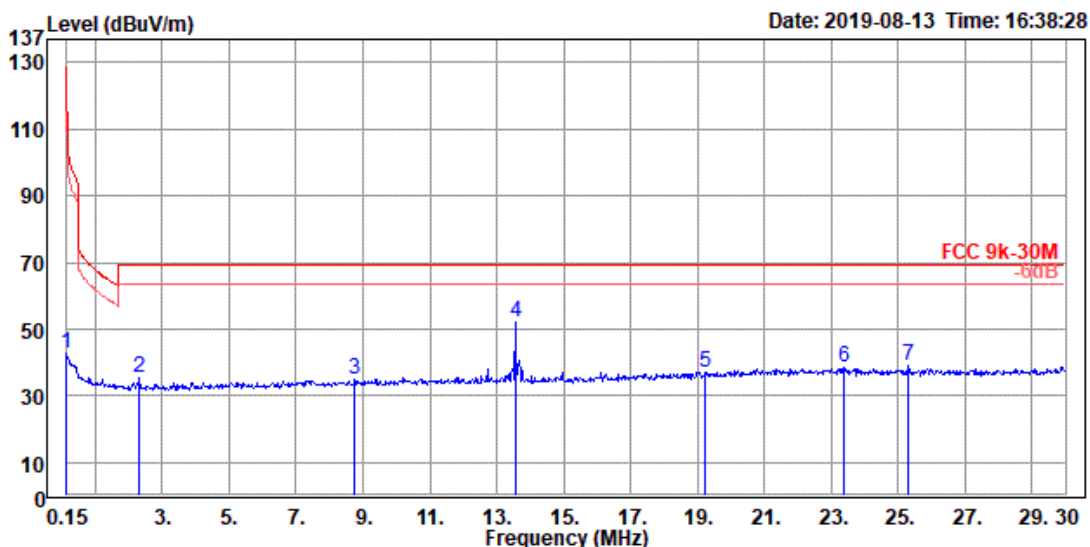


TUV Rheinland Taiwan Ltd.  
 IIF., No.758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



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 : 21°C / 52%  
 Power Setting: default  
 Mode : TX-13.56  
 Memo : Y

	Read	Limit	Over	APos	TPos	Remark	Note
Freq	Level	Level	Factor	Line	Limit		
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.010	47.79	29.74	18.05	127.72	-79.93	100 31 QP
2	0.042	39.87	20.95	18.92	115.10	-75.23	100 271 QP
3	0.064	34.25	15.69	18.56	111.51	-77.26	100 59 QP
4	0.077	31.68	13.43	18.25	109.89	-78.21	100 52 QP
5	0.090	28.99	11.06	17.93	108.49	-79.50	100 218 QP
6	0.112	27.48	9.73	17.75	106.59	-79.11	100 306 QP



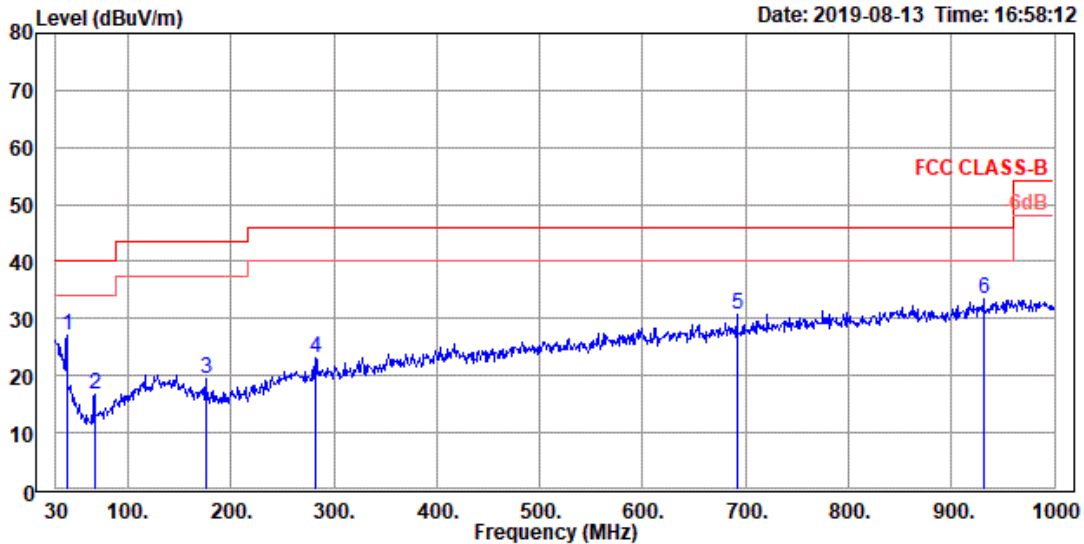
Site : 966A Chamber A  
 Condition : FCC 9k-30M 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Mobile Computing Device  
 Model No. : PD470SH-B  
 Test Rating : 5Vdc  
 Tmp/Hum : 21°C / 52%  
 Power Setting: default  
 Mode : TX-13.56  
 Memo : Y

	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	42.48	24.57	17.91	104.08	-61.60	100	334	QP	
2	2.329	35.24	16.61	18.63	69.50	-34.26	100	279	QP	
3	8.747	34.67	14.54	20.13	69.50	-34.83	100	158	QP	
4	13.560	51.98	31.22	20.76	69.50	-17.52	100	201	QP	TX
5	19.254	37.23	15.91	21.32	69.50	-32.27	100	7	QP	
6	23.403	38.47	16.91	21.56	69.50	-31.03	100	147	QP	
7	25.314	39.23	17.59	21.64	69.50	-30.27	100	93	QP	

# Spurious Emissions, TX+RX Mode,30M-1G

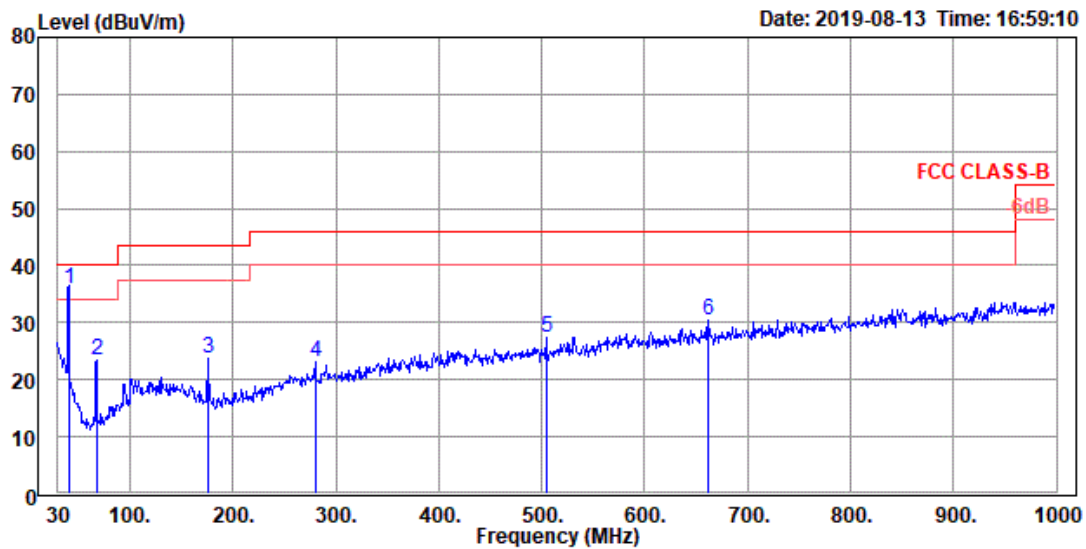


TUV Rheinland Taiwan Ltd.  
 11F., No.758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105  
 Tel:+886-2172-7000 Fax:+886-2528-0018



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 : 21°C / 52%  
 Power Setting: default  
 Mode : TX-13.56  
 Memo : Y

	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	40.670	27.09	33.25	-6.16	40.00	-12.91	100	340	QP	
2	67.830	16.69	29.80	-13.11	40.00	-23.31	100	165	QP	
3	175.500	19.60	28.99	-9.39	43.50	-23.90	100	220	QP	
4	282.200	23.12	28.18	-5.06	46.00	-22.88	100	360	QP	
5	691.540	30.61	29.43	1.18	46.00	-15.39	100	168	QP	
6	931.130	33.33	28.39	4.94	46.00	-12.67	100	239	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 : 21°C / 52%  
 Power Setting: default  
 Mode : TX-13.56  
 Memo : Y

	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 !	40.670	35.94	42.10	-6.16	40.00	-4.06	100	269	QP	
2	67.830	23.54	36.65	-13.11	40.00	-16.46	100	94	QP	
3	175.500	23.71	33.10	-9.39	43.50	-19.79	100	84	QP	
4	280.260	23.06	28.21	-5.15	46.00	-22.94	100	334	QP	
5	504.330	27.36	28.53	-1.17	46.00	-18.64	100	359	QP	
6	662.440	30.41	29.69	0.72	46.00	-15.59	100	338	QP	

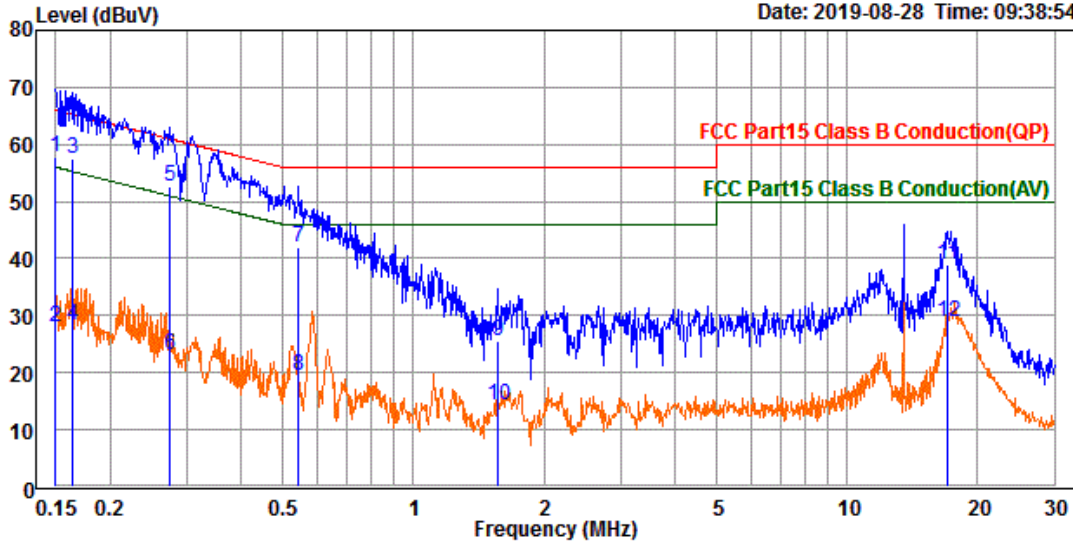
# Spurious Emissions, AC Mains



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

File: C:\EMC\Report\2019\Hong Kong AMobile Intelligent Corp.Limited\238108123(PD470SH-B)\238108123(PE

Date: 2019-08-28 Time: 09:38:54



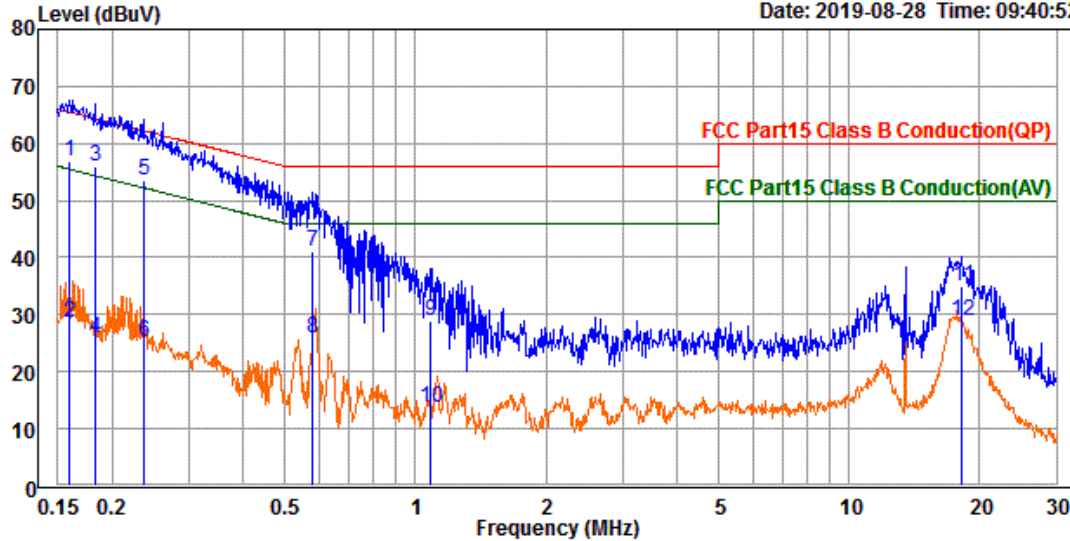
Trace: 1

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 : RFID  
 Memo : Z

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	48.06	9.61	57.67	66.00	-8.33	QP
2	0.150	18.30	9.61	27.91	56.00	-28.09	Average
3	0.164	47.77	9.61	57.38	65.25	-7.87	QP
4	0.164	18.67	9.61	28.28	55.25	-26.97	Average
5	0.276	43.06	9.61	52.67	60.95	-8.28	QP
6	0.276	13.65	9.61	23.26	50.95	-27.69	Average
7	0.543	32.38	9.62	42.00	56.00	-14.00	QP
8	0.543	9.74	9.62	19.36	46.00	-26.64	Average
9	1.561	15.95	9.64	25.59	56.00	-30.41	QP
10	1.561	4.70	9.64	14.34	46.00	-31.66	Average
11	16.996	29.20	9.77	38.97	60.00	-21.03	QP
12	16.996	19.11	9.77	28.88	50.00	-21.12	Average

File: C:\EMC\Report\2019\Hong Kong AMobile Intelligent Corp.Limited\238108123(PD470SH-B)\238108123(PE

Date: 2019-08-28 Time: 09:40:52



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 : RFID  
 Memo : Z

	Read Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.159	47.26	9.62	56.88	65.50	-8.62	QP
2	0.159	19.08	9.62	28.70	55.50	-26.80	Average
3	0.182	46.43	9.62	56.05	64.39	-8.34	QP
4	0.182	16.23	9.62	25.85	54.39	-28.54	Average
5	0.236	44.00	9.62	53.62	62.23	-8.61	QP
6	0.236	15.65	9.62	25.27	52.23	-26.96	Average
7	0.579	31.52	9.63	41.15	56.00	-14.85	QP
8	0.579	16.30	9.63	25.93	46.00	-20.07	Average
9	1.080	19.35	9.63	28.98	56.00	-27.02	QP
10	1.080	4.14	9.63	13.77	46.00	-32.23	Average
11	18.225	25.11	9.81	34.92	60.00	-25.08	QP
12	18.225	18.99	9.81	28.80	50.00	-21.20	Average