

TEST REPORT

Product Name : Mobile Phone
Brand Mark : TECNO
Model No. : B1f
FCC ID : 2ADYY-B1F
Report Number : BLA-EMC-202006-A5203
Date of Sample Receipt : 2020/6/18
Date of Test : 2020/6/18 to 2020/7/7
Date of Issue : 2020/7/8
Test Standard : 47 CFR Part 15, Subpart B
Test Result : Pass

Prepared for:

TECNO MOBILE LIMITED

**ROOM 604 6/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17
CANTON ROAD TST KL**

Prepared by:

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Date: 2020/7/8



REPORT REVISE RECORD

Version No.	Date	Description
00	2020/7/8	Original

BlueAsia

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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (above 1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass

2 GENERAL INFORMATION

Applicant	TECNO MOBILE LIMITED
Address	ROOM 604 6/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON ROAD TST KL
Manufacturer	TECNO MOBILE LIMITED
Address	ROOM 604 6/F SOUTH TOWER WORLD FINANCE CTR HARBOUR CITY 17 CANTON ROAD TST KL
Factory	SHENZHEN TECNO TECHNOLOGY CO.,LTD.
Address	101,Building 24,Waijing Industrial Park,Fumin Community,Fucheng Street,Longhua District,Shenzhen City,P.R.China
Product Name	Mobile Phone
Test Model No.	B1f

3 GENERAL DESCRIPTION OF E.U.T.

EUT Input Rating	AC120V60Hz
Adapter Model	A8-501000
In put	100~240V~50/60Hz, 200mA
Out Put	5.0V, 1.0A
Battery	3.8V 2400mAh/2350mAh(typ/min) 9.12Wh/8.93Wh(typ/min)
Hardware Version	N/A
Software Version	N/A

4 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
Charging & FM	Keep the battery of the EUT in charging mode and Frequency:88MHz,98MHz,108MHz;Sound:1kHz Sine Wave
Charging & TF Play	Keep the battery of the EUT in charging mode and Sound:1kHz Sine Wave
Charging & BT Play	Keep the battery of the EUT in charging mode and Sound:1kHz Sine Wave
Charging & Camera	Keep the battery of the EUT in charging mode and Camera work
Remark:Only the data of the worst mode would be recorded in this report.	

5 MEASUREMENT UNCERTAINTY

Parameter	Expanded Uncertainty (Confidence of 95%)
Radiated Emission	$\pm 4.34\text{dB}$
Radiated Emission	$\pm 4.24\text{dB}$
Radiated Emission	$\pm 4.68\text{dB}$
AC Power Line Conducted Emission	$\pm 3.45\text{dB}$

6 DESCRIPTION OF SUPPORT UNIT

Device Type	Manufacturer	Model Name	Serial No.	Remark
--	--	--	--	--
Note: "--" means no any support device during testing.				

7 LABORATORY LOCATION

All tests were performed at:
BlueAsia of Technical Services(Shenzhen) Co., Ltd.
IOT Test Centre of BlueAsia
No. 448 Bulong Road, Bantian Street, Longgang District, Shenzhen, China
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673
No tests were sub-contracted.

8 TEST INSTRUMENTS LIST

Test Equipment Of Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Shield room	SKET	833	N/A	6/10/2018	6/9/2021
Receiver	R&S	ESPI3	101082	4/20/2020	4/19/2021
LISN	R&S	ENV216	3560.6550.15	7/4/2020	7/3/2021
LISN	AT	AT166-2	AKK1806000003	12/17/2019	12/16/2020
EMI software	EZ	EZ-EMC	N/A	N/A	N/A

Test Equipment Of Radiated Emissions (above 1GHz)					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	5/8/2018	5/7/2021
Spectrum	R&S	FSP40	100817	7/4/2020	7/3/2021
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	7/14/2018	7/13/2020
Amplifier	SKET	LNPA-0118-45	N/A	7/4/2020	7/3/2021
EMI software	EZ	EZ-EMC	N/A	N/A	N/A

Test Equipment Of Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	5/8/2018	5/7/2021
Receiver	R&S	ESR7	101199	4/20/2020	4/19/2021
EMI software	EZ	EZ-EMC	N/A	N/A	N/A
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	7/14/2018	7/13/2020

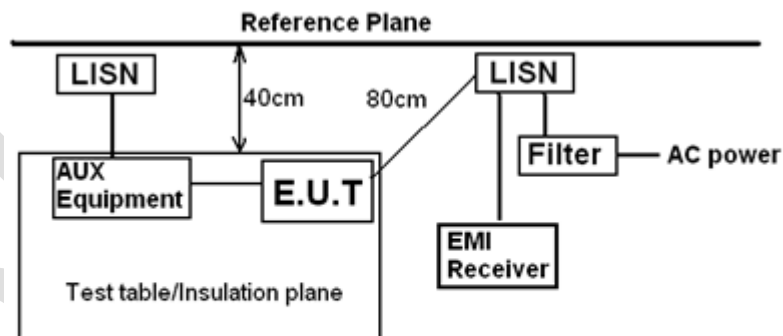
CONDUCTED EMISSIONS AT MAINS TERMINALS (150KHZ-30MHZ)

Test Standard	47 CFR Part 15, Subpart B
Test Method	EN 55032:2015
Test Mode (Pre-Scan)	Charging & FM Radio;Charging & TF Play;Charging & Play;Charging & Camera
Test Mode (Final Test)	Charging & FM Radio;Charging & TF Play;Charging & Play;Charging & Camera
Tester	Eason
Temperature	26°C
Humidity	54%

LIMITS

Frequency Range	Limit
0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average

BLOCK DIAGRAM OF TEST SETUP



Remark
E.U.T: Equipment Under Test
LISN: Line Impedance Stabilization Network
Test table height=0.8m

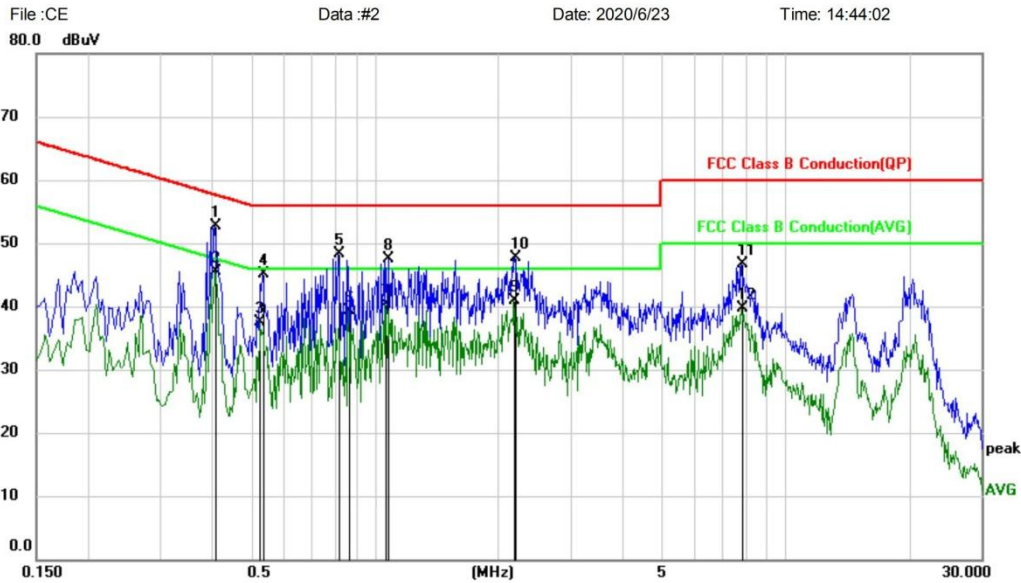
PROCEDURE

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

TEST DATA

[Test Mode: Charging & Camera] ;[Line: Line]

Conducted Emission Measurement



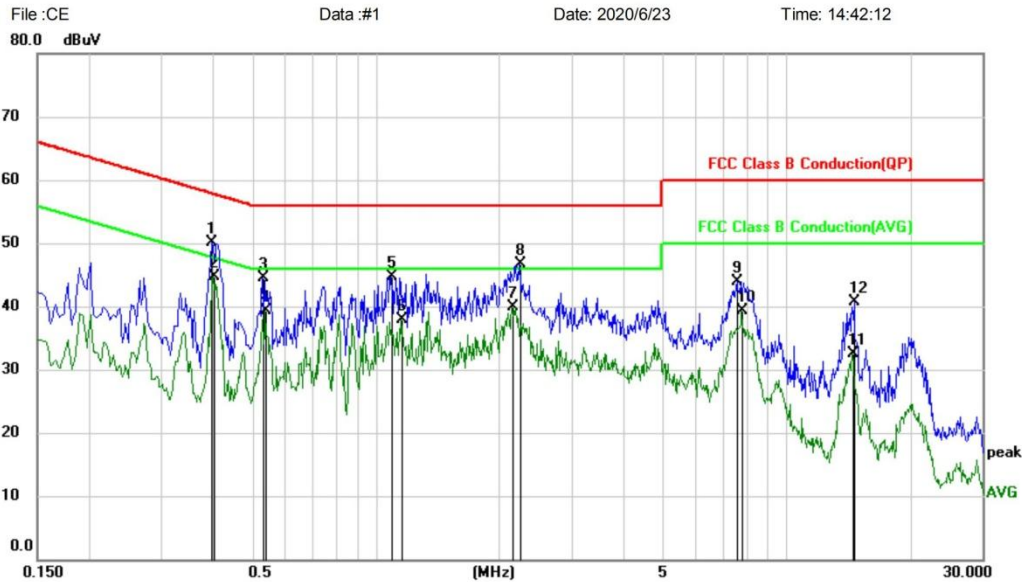
Site: Phase: **L1** Temperature: 26
Limit: FCC Class B Conduction(QP) Power: AC120V/60Hz Humidity: 60 %
EUT: Mobile Phone
M/N: B1f
Mode: Charging+Camera
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.4100	42.96	9.67	52.63	57.65	-5.02	QP	
2	*	0.4100	35.76	9.67	45.43	47.65	-2.22	AVG	
3		0.5260	27.82	9.73	37.55	46.00	-8.45	AVG	
4		0.5340	35.44	9.73	45.17	56.00	-10.83	QP	
5		0.8139	38.62	9.72	48.34	56.00	-7.66	QP	
6		0.8660	29.49	9.74	39.23	46.00	-6.77	AVG	
7		1.0620	30.35	9.86	40.21	46.00	-5.79	AVG	
8		1.0780	37.63	9.85	47.48	56.00	-8.52	QP	
9		2.1820	31.11	9.82	40.93	46.00	-5.07	AVG	
10		2.1900	37.88	9.82	47.70	56.00	-8.30	QP	
11		7.8420	36.86	9.87	46.73	60.00	-13.27	QP	
12		7.8420	29.90	9.87	39.77	50.00	-10.23	AVG	

*:Maximum data x:Over limit !:over margin

<Reference Only

Test Result: Pass

[Test Mode: Charging & Camera] ; [Line: Nutral]
Conducted Emission Measurement


Site: Limit: FCC Class B Conduction(QP) EUT: Mobile Phone M/N: B1f Mode: Charging+Camera Note:

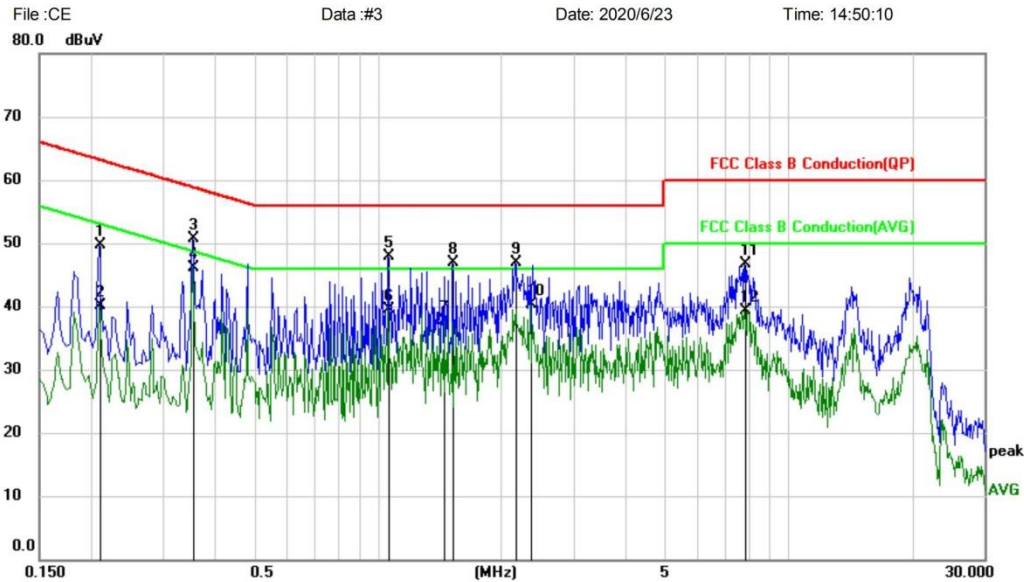
Phase: **N** Temperature: 25
Power: AC120V/60Hz Humidity: 60 %

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.3980	40.45	9.70	50.15	57.90	-7.75	QP	
2 *	0.4020	35.06	9.70	44.76	47.81	-3.05	AVG	
3	0.5299	34.82	9.73	44.55	56.00	-11.45	QP	
4	0.5380	29.63	9.73	39.36	46.00	-6.64	AVG	
5	1.0900	34.87	9.80	44.67	56.00	-11.33	QP	
6	1.1539	28.03	9.82	37.85	46.00	-8.15	AVG	
7	2.1460	29.99	9.86	39.85	46.00	-6.15	AVG	
8	2.2460	36.76	9.86	46.62	56.00	-9.38	QP	
9	7.5980	34.05	9.85	43.90	60.00	-16.10	QP	
10	7.8020	29.47	9.86	39.33	50.00	-10.67	AVG	
11	14.4780	22.50	10.01	32.51	50.00	-17.49	AVG	
12	14.6420	30.65	10.01	40.66	60.00	-19.34	QP	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & FM] ; [Line: Line]
Conducted Emission Measurement


Site: Phase: **L1** Temperature: 26

Limit: FCC Class B Conduction(QP) Power: AC120V/60Hz Humidity: 60 %

EUT: Mobile Phone

M/N: B1f

Mode: Charging+FM(105MHz)

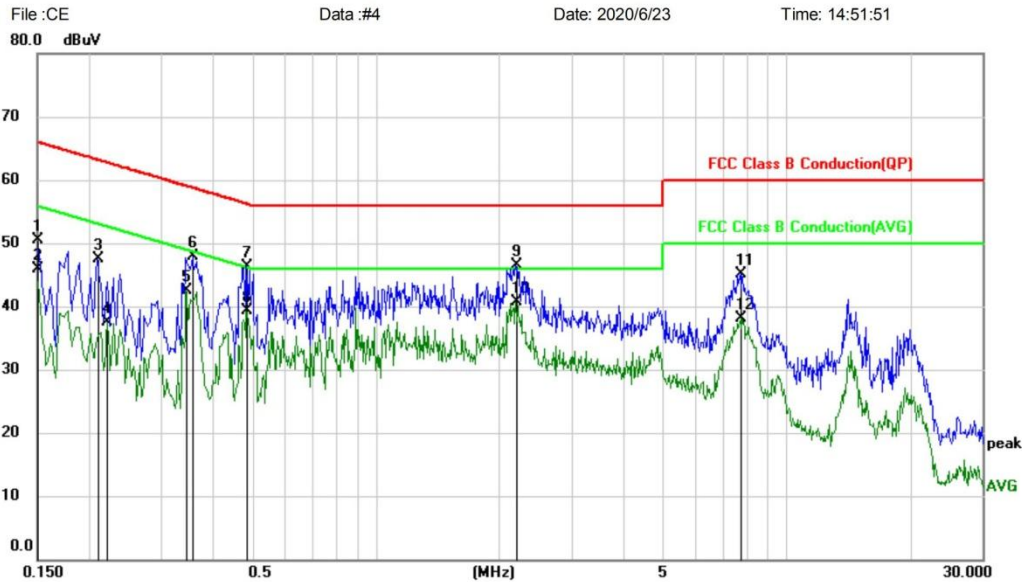
Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.2100	39.86	9.89	49.75	63.21	-13.46	QP	
2	0.2100	30.15	9.89	40.04	53.21	-13.17	AVG	
3	0.3540	40.86	9.79	50.65	58.87	-8.22	QP	
4 *	0.3540	36.41	9.79	46.20	48.87	-2.67	AVG	
5	1.0620	38.08	9.86	47.94	56.00	-8.06	QP	
6	1.0620	29.57	9.86	39.43	46.00	-6.57	AVG	
7	1.4500	27.89	9.83	37.72	46.00	-8.28	AVG	
8	1.5220	37.14	9.84	46.98	56.00	-9.02	QP	
9	2.1619	37.04	9.82	46.86	56.00	-9.14	QP	
10	2.3580	30.47	9.81	40.28	46.00	-5.72	AVG	
11	7.8460	36.76	9.87	46.63	60.00	-13.37	QP	
12	7.8460	29.45	9.87	39.32	50.00	-10.68	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & FM] ; [Line: Nutral]
Conducted Emission Measurement


Site: Limit: FCC Class B Conduction(QP) EUT: Mobile Phone M/N: B1f Mode: Charging+FM(105MHz) Note:

Phase: **N** Temperature: 26

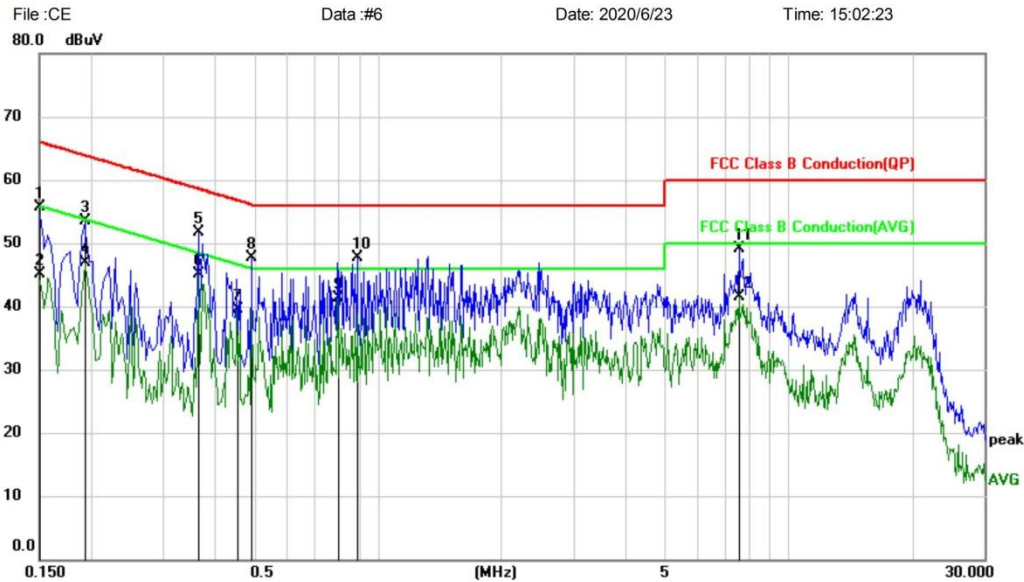
Power: AC120V/60Hz Humidity: 60 %

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1500	40.65	9.88	50.53	66.00	-15.47	QP	
2	0.1500	36.11	9.88	45.99	56.00	-10.01	AVG	
3	0.2100	37.56	9.88	47.44	63.21	-15.77	QP	
4	0.2220	27.58	9.87	37.45	52.74	-15.29	AVG	
5	0.3460	32.80	9.77	42.57	49.06	-6.49	AVG	
6	0.3580	38.12	9.76	47.88	58.77	-10.89	QP	
7	0.4860	36.59	9.72	46.31	56.24	-9.93	QP	
8	0.4860	29.58	9.72	39.30	46.24	-6.94	AVG	
9	2.1980	36.66	9.86	46.52	56.00	-9.48	QP	
10 *	2.1980	30.85	9.86	40.71	46.00	-5.29	AVG	
11	7.7580	35.33	9.86	45.19	60.00	-14.81	QP	
12	7.7580	28.18	9.86	38.04	50.00	-11.96	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & Playing] ; [Line: Line]
Conducted Emission Measurement


Site: Limit: FCC Class B Conduction(QP) EUT: Mobile Phone M/N: B1f Mode: Charging+Playing Note:

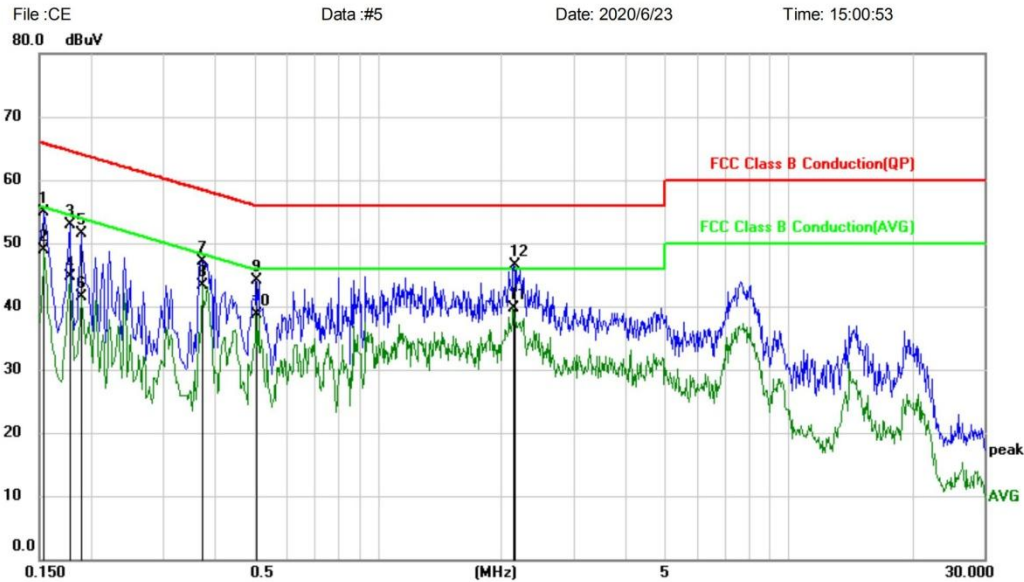
Phase: **L1** Power: AC120V/60Hz Temperature: 26 Humidity: 60 %

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1500	45.88	9.88	55.76	66.00	-10.24	QP	
2	0.1500	35.30	9.88	45.18	56.00	-10.82	AVG	
3	0.1940	43.53	9.88	53.41	63.86	-10.45	QP	
4	0.1940	37.01	9.88	46.89	53.86	-6.97	AVG	
5	0.3660	42.01	9.76	51.77	58.59	-6.82	QP	
6 *	0.3660	35.44	9.76	45.20	48.59	-3.39	AVG	
7	0.4540	29.87	9.71	39.58	46.80	-7.22	AVG	
8	0.4940	38.06	9.73	47.79	56.10	-8.31	QP	
9	0.7980	31.63	9.72	41.35	46.00	-4.65	AVG	
10	0.8900	37.96	9.75	47.71	56.00	-8.29	QP	
11	7.5700	39.21	9.86	49.07	60.00	-10.93	QP	
12	7.5700	31.70	9.86	41.56	50.00	-8.44	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & Playing] ; [Line: Nutral]
Conducted Emission Measurement


Site: _____ Phase: **N** Temperature: 26
Limit: FCC Class B Conduction(QP) Power: AC120V/60Hz Humidity: 60 %
EUT: Mobile Phone
M/N: B1f
Mode: Charging+Playing
Note:

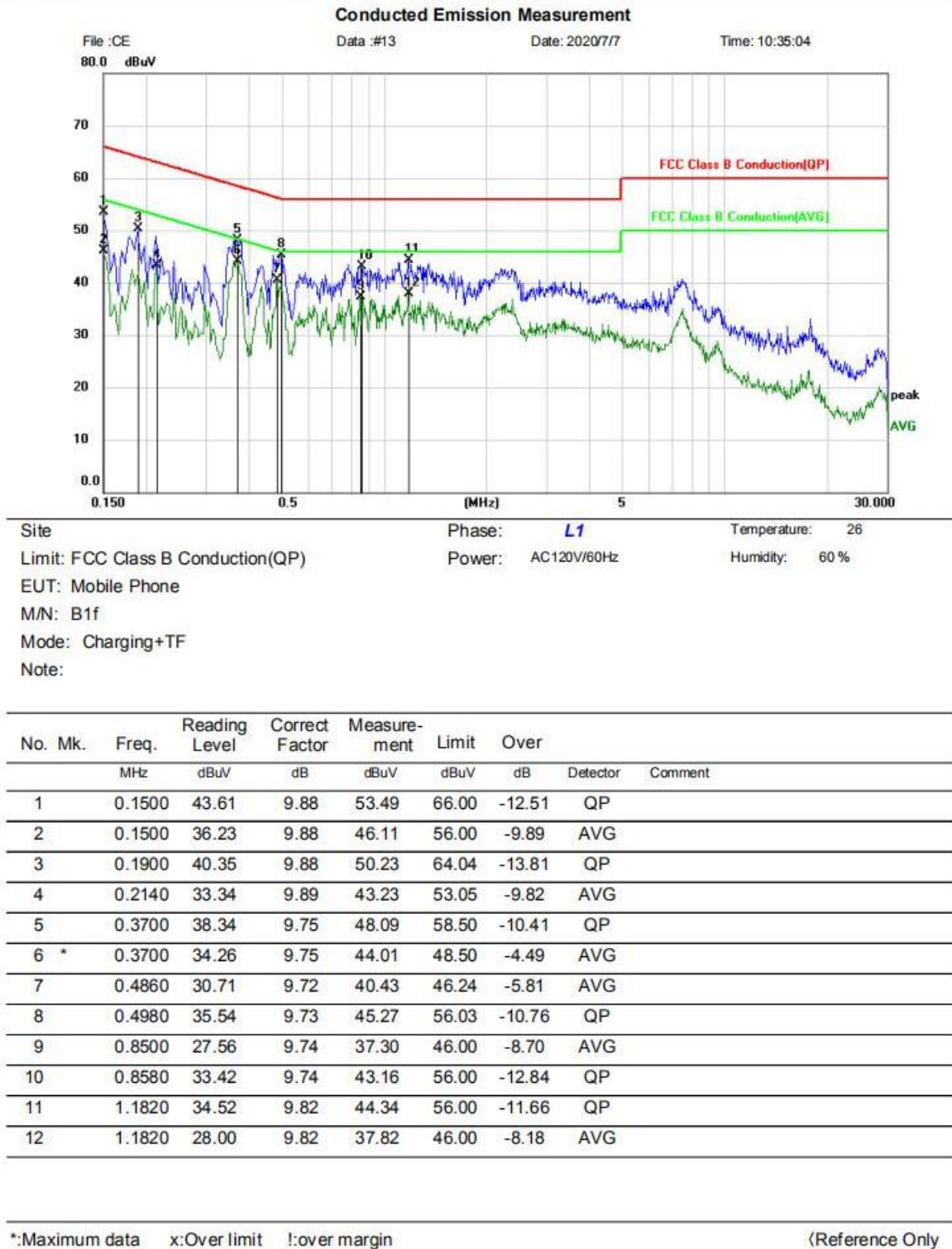
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1539	44.97	9.88	54.85	65.79	-10.94	QP	
2		0.1539	39.03	9.88	48.91	55.79	-6.88	AVG	
3		0.1780	42.96	9.88	52.84	64.58	-11.74	QP	
4		0.1780	34.86	9.88	44.74	54.58	-9.84	AVG	
5		0.1900	41.64	9.88	51.52	64.04	-12.52	QP	
6		0.1900	31.69	9.88	41.57	54.04	-12.47	AVG	
7		0.3740	37.43	9.74	47.17	58.41	-11.24	QP	
8	*	0.3740	33.54	9.74	43.28	48.41	-5.13	AVG	
9		0.5060	34.37	9.72	44.09	56.00	-11.91	QP	
10		0.5060	28.94	9.72	38.66	46.00	-7.34	AVG	
11		2.1420	29.94	9.86	39.80	46.00	-6.20	AVG	
12		2.1540	36.57	9.86	46.43	56.00	-9.57	QP	

*:Maximum data x:Over limit !:over margin

(Reference Only)

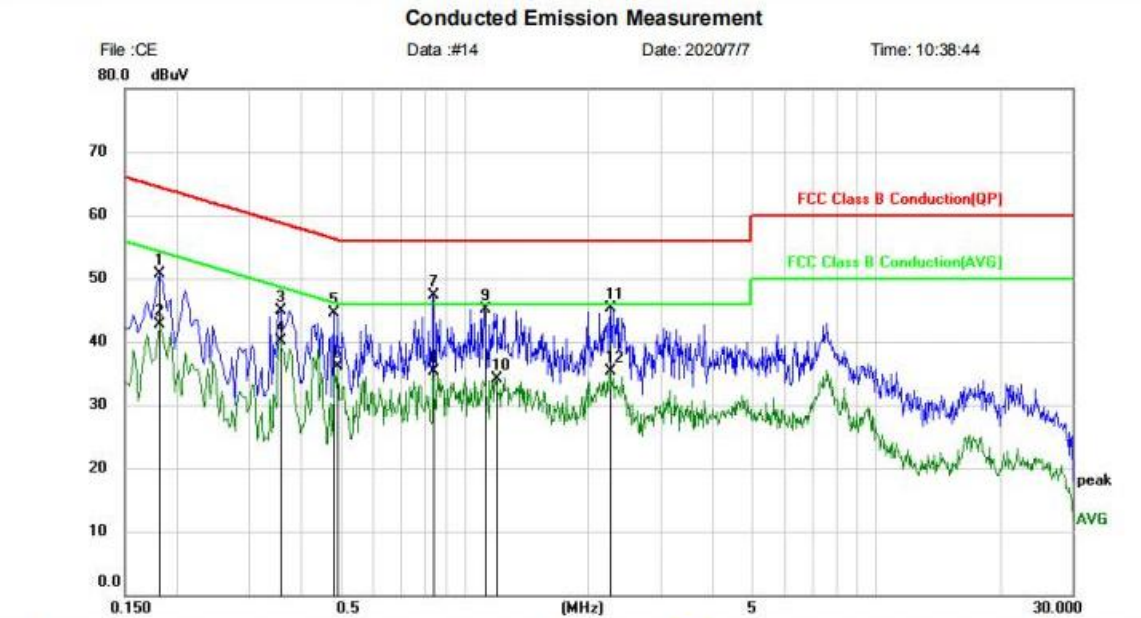
Test Result: Pass

[Test Mode: Charging & TF] ; [Line: Line]



Test Result: Pass

[Test Mode: Charging & TF] ; [Line: Nutral]



Site: Phase: **N** Temperature: 26
Limit: FCC Class B Conduction (QP) Power: AC120V/60Hz Humidity: 60 %
EUT: Mobile Phone
M/N: B1f
Mode: Charging+TF
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1819	40.76	9.88	50.64	64.40	-13.76	QP	
2		0.1819	32.75	9.88	42.63	54.40	-11.77	AVG	
3		0.3580	35.19	9.76	44.95	58.77	-13.82	QP	
4	*	0.3580	30.30	9.76	40.06	48.77	-8.71	AVG	
5		0.4820	34.79	9.72	44.51	56.30	-11.79	QP	
6		0.4940	26.29	9.72	36.01	46.10	-10.09	AVG	
7		0.8420	37.52	9.75	47.27	56.00	-8.73	QP	
8		0.8420	25.63	9.75	35.38	46.00	-10.62	AVG	
9		1.1220	35.33	9.81	45.14	56.00	-10.86	QP	
10		1.1940	24.34	9.83	34.17	46.00	-11.83	AVG	
11		2.2659	35.46	9.86	45.32	56.00	-10.68	QP	
12		2.2659	25.43	9.86	35.29	46.00	-10.71	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

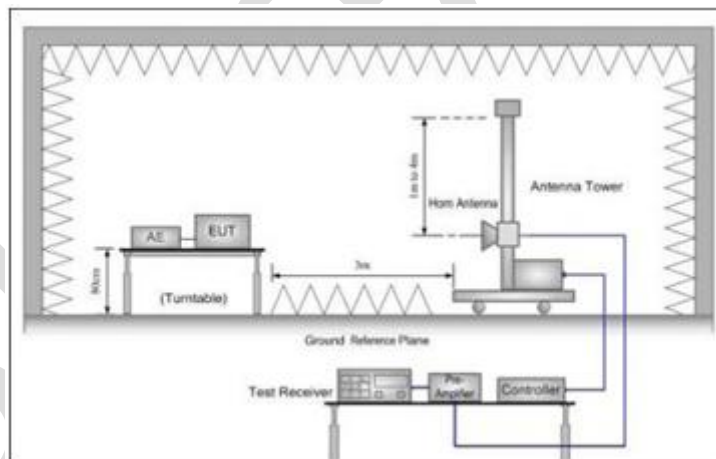
RADIATED EMISSIONS (ABOVE 1GHZ)

Test Standard	47 CFR Part 15, Subpart B
Test Method	ANSI C63.4:2014
Test Mode (Pre-Scan)	Charging & FM Radio;Charging & TF Play;Charging & Play;Charging & Camera
Test Mode (Final Test)	Charging & FM Radio;Charging & TF Play;Charging & Play;Charging & Camera
Tester	Eason
Temperature	26℃
Humidity	54%

LIMITS

Frequency Range	Limit
Above 1GHz	74(dB μ V/m) peak, 54(dB μ V/m) average

BLOCK DIAGRAM OF TEST SETUP



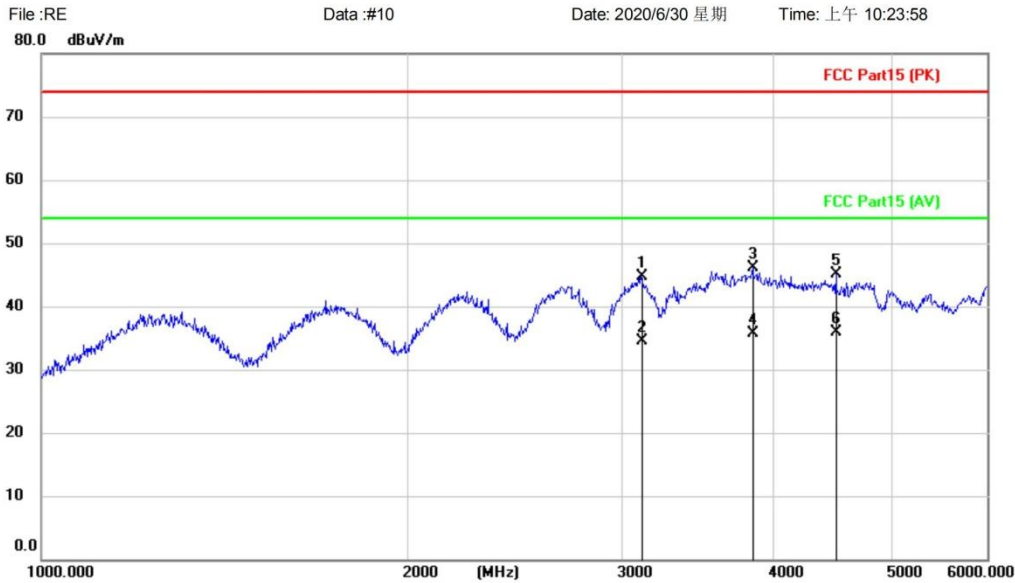
PROCEDURE

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

TEST DATA

[Test Mode: Charging & Camera]; [Polarity: Horizontal]

Radiated Emission Measurement



Site: Polarization: **Horizontal** Temperature:
Limit: FCC Part15 (PK) Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+camera
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3114.210	45.36	-0.62	44.74	74.00	-29.26	peak		
2		3114.210	35.20	-0.62	34.58	54.00	-19.42	AVG		
3		3847.421	42.87	3.29	46.16	74.00	-27.84	peak		
4		3847.421	32.50	3.29	35.79	54.00	-18.21	AVG		
5		4504.505	43.28	1.82	45.10	74.00	-28.90	peak		
6	*	4504.505	34.01	1.82	35.83	54.00	-18.17	AVG		

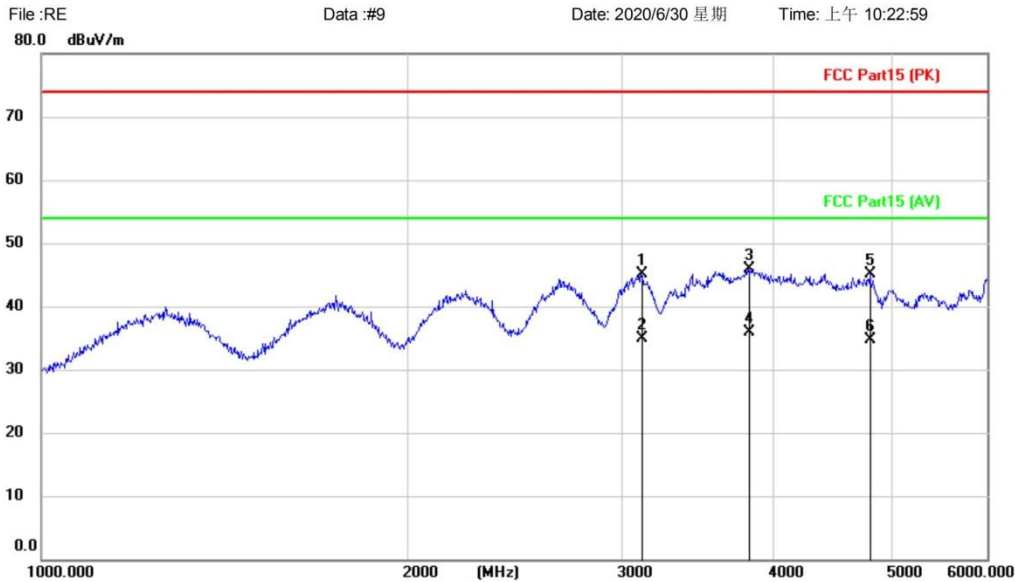
*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

[Test Mode: Charging & Camera]; [Polarity: Vertical]

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature:
Limit: FCC Part15 (PK) Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+camera
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3114.210	45.87	-0.67	45.20	74.00	-28.80	peak		
2		3114.210	35.65	-0.67	34.98	54.00	-19.02	AVG		
3		3813.107	42.15	3.84	45.99	74.00	-28.01	peak		
4	*	3813.107	32.02	3.84	35.86	54.00	-18.14	AVG		
5		4804.636	42.68	2.49	45.17	74.00	-28.83	peak		
6		4804.636	32.18	2.49	34.67	54.00	-19.33	AVG		

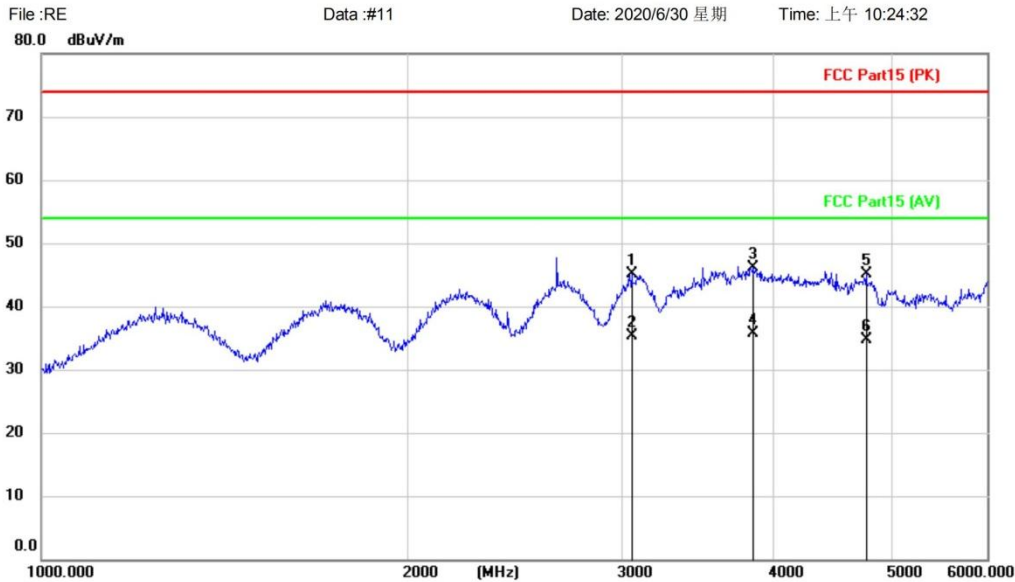
*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

[Test Mode: Charging & FM]; [Polarity: Horizontal]

Radiated Emission Measurement



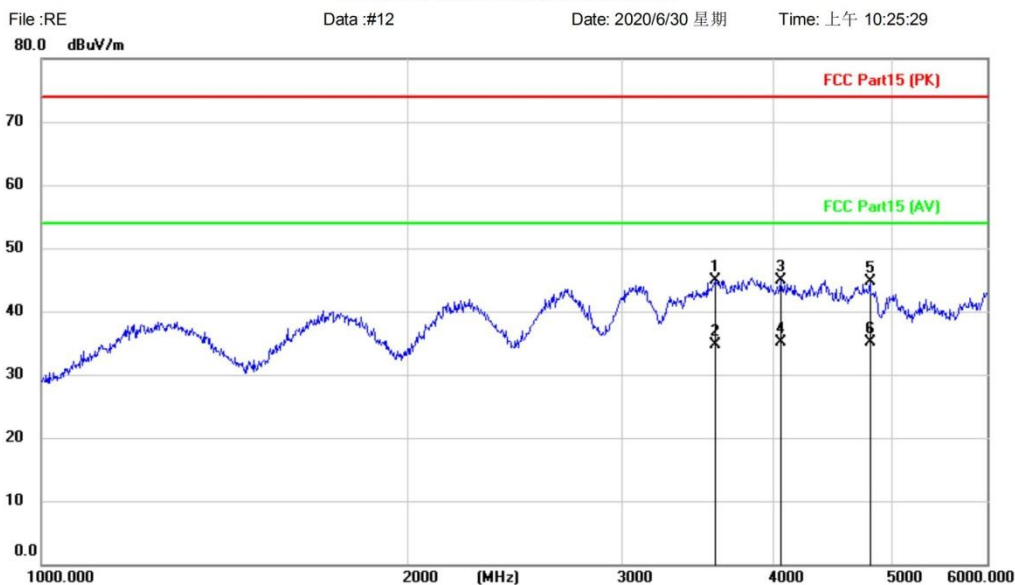
Site Polarization: **Horizontal** Temperature:
Limit: FCC Part15 (PK) Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+FM
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3058.908	45.99	-0.80	45.19	74.00	-28.81	peak		
2		3058.908	36.06	-0.80	35.26	54.00	-18.74	AVG		
3		3847.421	42.87	3.29	46.16	74.00	-27.84	peak		
4	*	3847.421	32.48	3.29	35.77	54.00	-18.23	AVG		
5		4770.324	42.38	2.67	45.05	74.00	-28.95	peak		
6		4770.324	32.10	2.67	34.77	54.00	-19.23	AVG		

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

[Test Mode: Charging & FM]; [Polarity: Vertical]
Radiated Emission Measurement


Site Polarization: **Vertical** Temperature:
Limit: FCC Part15 (PK) Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+FM
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3581.325	41.40	3.48	44.88	74.00	-29.12	peak		
2		3581.325	31.21	3.48	34.69	54.00	-19.31	AVG		
3		4059.890	41.99	2.88	44.87	74.00	-29.13	peak		
4	*	4059.890	32.26	2.88	35.14	54.00	-18.86	AVG		
5		4804.636	42.25	2.49	44.74	74.00	-29.26	peak		
6		4804.636	32.56	2.49	35.05	54.00	-18.95	AVG		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & Play]; [Polarity: Horizontal]
Radiated Emission Measurement

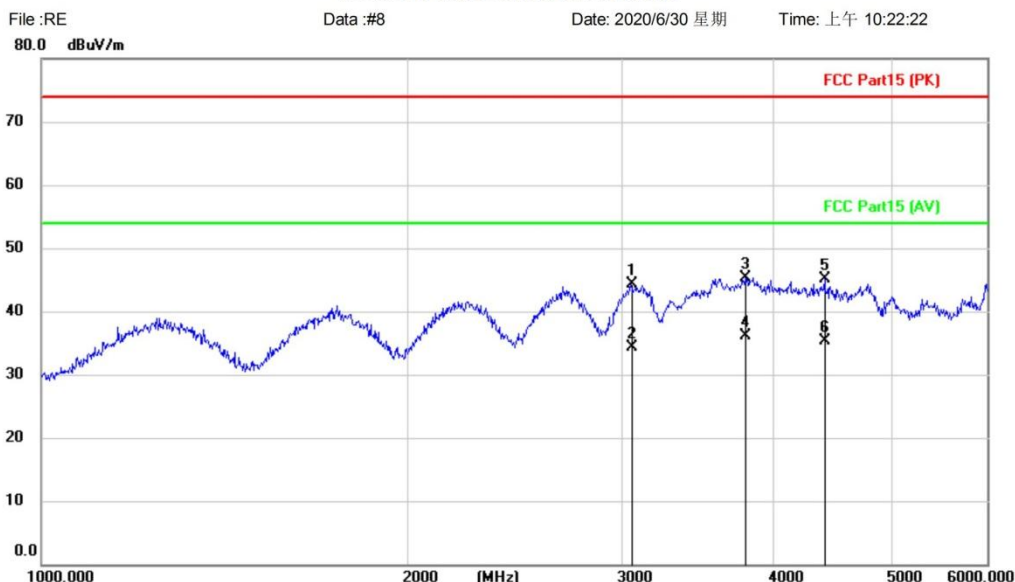

Site: Polarization: **Horizontal** Temperature:
 Limit: FCC Part15 (PK) Power: Humidity: %
 EUT: Mobile Phone Distance: 3m
 M/N: B1f
 Mode: charging+playing
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3108.635	46.16	-0.64	45.52	74.00	-28.48	peak		
2		3108.635	35.73	-0.64	35.09	54.00	-18.91	AVG		
3		3600.627	42.31	4.00	46.31	74.00	-27.69	peak		
4	*	3600.627	32.14	4.00	36.14	54.00	-17.86	AVG		
5		4408.687	41.49	3.20	44.69	74.00	-29.31	peak		
6		4408.687	31.32	3.20	34.52	54.00	-19.48	AVG		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & Play] ;[Polarity: Vertical]
Radiated Emission Measurement


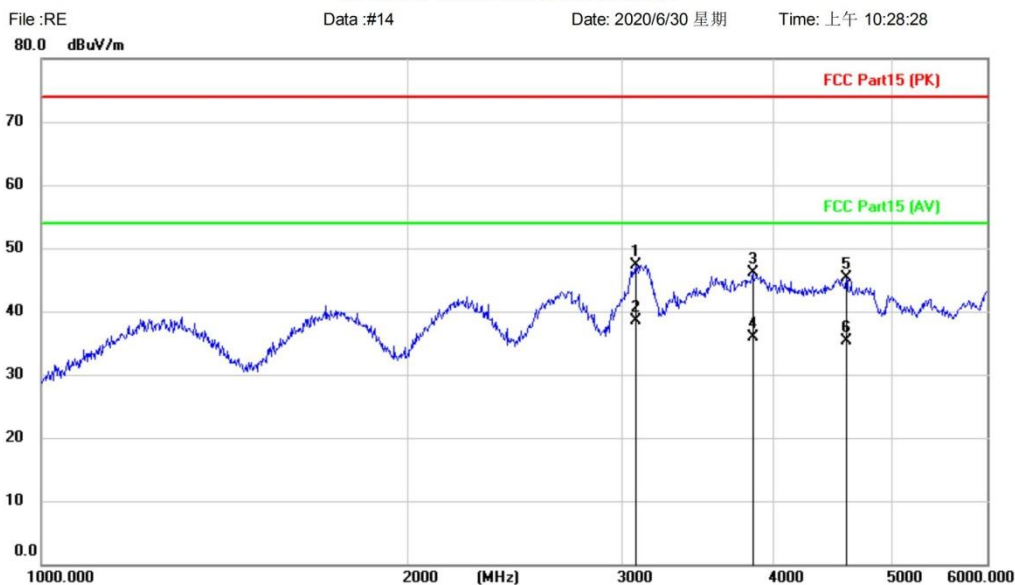
Site Polarization: **Vertical** Temperature:
Limit: FCC Part15 (PK) Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+playing
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3053.432	45.12	-0.89	44.23	74.00	-29.77	peak		
2		3053.432	35.26	-0.89	34.37	54.00	-19.63	AVG		
3		3792.665	41.44	3.89	45.33	74.00	-28.67	peak		
4	*	3792.665	32.18	3.89	36.07	54.00	-17.93	AVG		
5		4408.687	41.86	3.26	45.12	74.00	-28.88	peak		
6		4408.687	32.12	3.26	35.38	54.00	-18.62	AVG		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & TF]; [Polarity: Horizontal]
Radiated Emission Measurement


Site Polarization: **Horizontal** Temperature:
Limit: FCC Part15 (PK) Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+TF
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3080.910	48.01	-0.72	47.29	74.00	-26.71	peak		
2	*	3080.910	39.16	-0.72	38.44	54.00	-15.56	AVG		
3		3847.421	42.87	3.29	46.16	74.00	-27.84	peak		
4		3847.421	32.68	3.29	35.97	54.00	-18.03	AVG		
5		4594.166	43.57	1.73	45.30	74.00	-28.70	peak		
6		4594.166	33.52	1.73	35.25	54.00	-18.75	AVG		

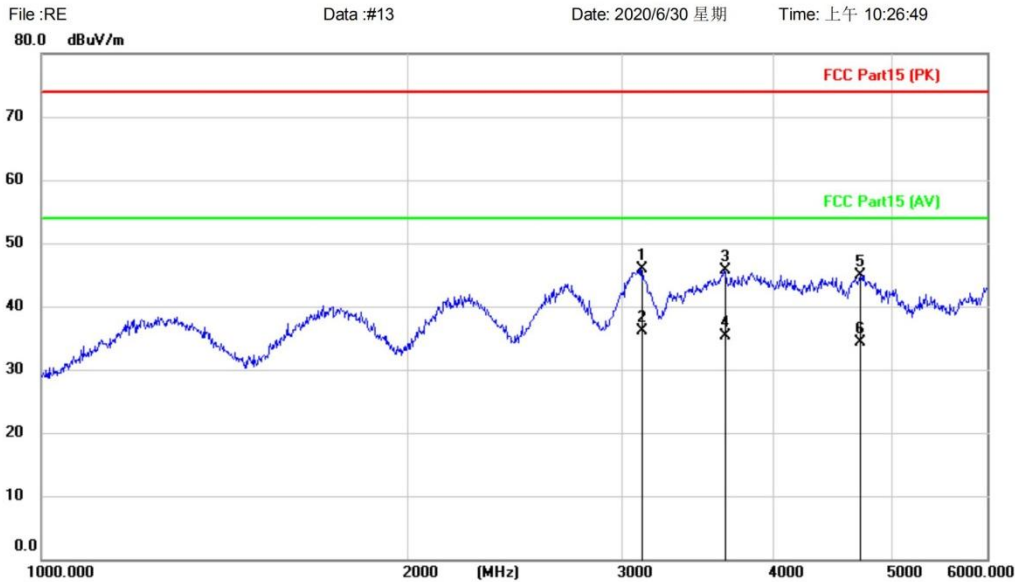
*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & TF]; [Polarity: Vertical]

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature:
Limit: FCC Part15 (PK) Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+TF
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3114.210	46.65	-0.67	45.98	74.00	-28.02	peak		
2	*	3114.210	36.85	-0.67	36.18	54.00	-17.82	AVG		
3		3646.072	41.93	3.71	45.64	74.00	-28.36	peak		
4		3646.072	31.62	3.71	35.33	54.00	-18.67	AVG		
5		4719.315	42.16	2.73	44.89	74.00	-29.11	peak		
6		4719.315	31.54	2.73	34.27	54.00	-19.73	AVG		

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

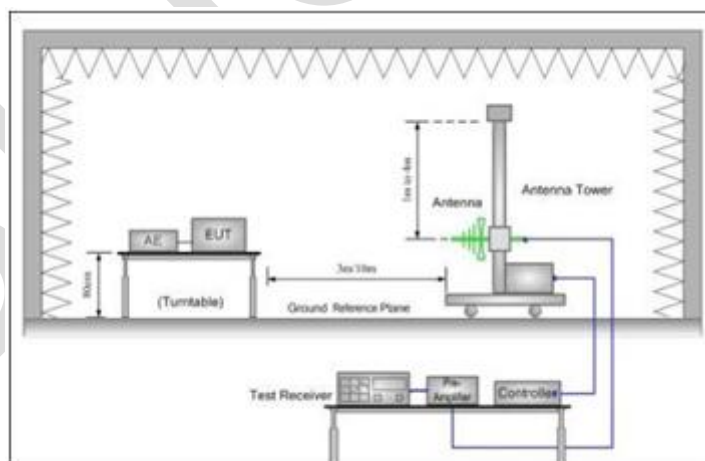
RADIATED EMISSIONS (30MHZ-1GHZ)

Test Standard	47 CFR Part 15, Subpart B
Test Method	ANSI C63.4:2014
Test Mode (Pre-Scan)	Charging & FM Radio;Charging & TF Play;Charging & Play;Charging & Camera
Test Mode (Final Test)	Charging & FM Radio;Charging & TF Play;Charging & Play;Charging & Camera
Tester	Eason
Temperature	26℃
Humidity	54%

LIMITS

Frequency Range	Limit
30MHz -88MHz	40.0(dBμV/m) quasi-peak
88MHz-216MHz	43.5(dBμV/m) quasi-peak
216MHz-960MHz	46.0(dBμV/m) quasi-peak
960MHz-1000MHz	54.0(dBμV/m) quasi-peak

BLOCK DIAGRAM OF TEST SETUP



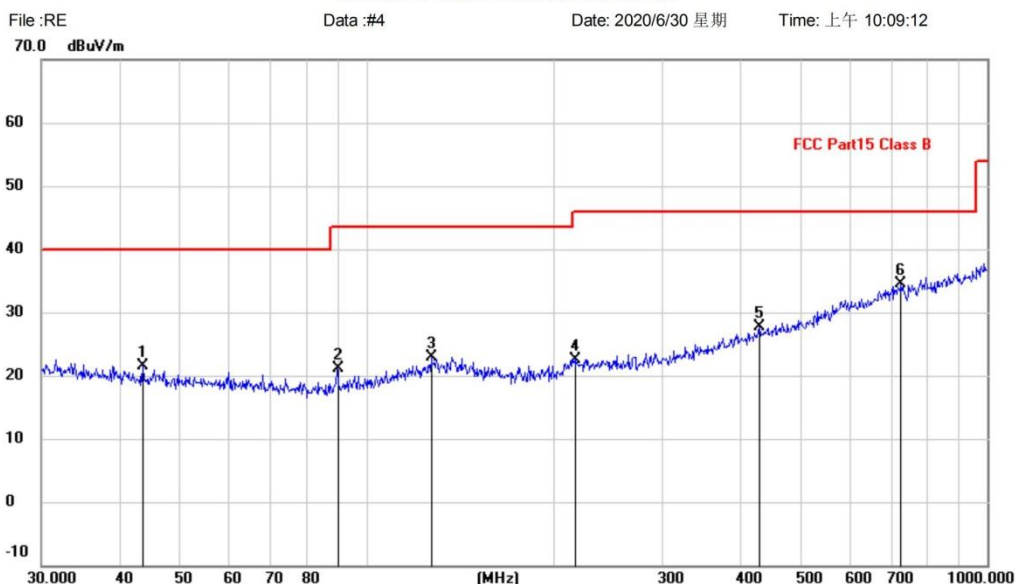
PROCEDURE

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

TEST DATA

[Test Mode: Charging & Camera] ;[Polarity: Horizontal]

Radiated Emission Measurement



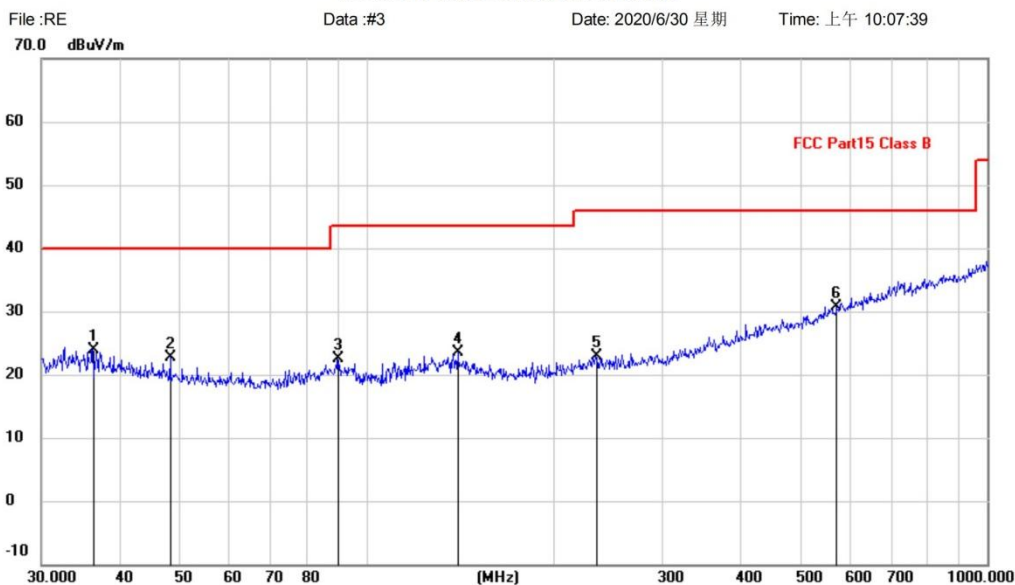
Site Polarization: **Horizontal** Temperature:
Limit: FCC Part15 Class B Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+camera
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		43.6584	-2.93	24.36	21.43	40.00	-18.57	QP		
2		89.9047	1.58	19.58	21.16	43.50	-22.34	QP		
3		127.2176	0.04	22.91	22.95	43.50	-20.55	QP		
4		216.7828	1.28	21.32	22.60	46.00	-23.40	QP		
5		429.5228	-0.05	27.67	27.62	46.00	-18.38	QP		
6	*	726.8052	1.43	33.15	34.58	46.00	-11.42	QP		

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

[Test Mode: Charging & Camera] ; [Polarity: Vertical]
Radiated Emission Measurement


Site Polarization: **Vertical** Temperature:
Limit: FCC Part15 Class B Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+camera
Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	36.2541	0.39	23.47	23.86	40.00	-16.14	QP		
2	48.3318	-1.72	24.46	22.74	40.00	-17.26	QP		
3	89.9047	2.97	19.58	22.55	43.50	-20.95	QP		
4	140.3421	0.25	23.30	23.55	43.50	-19.95	QP		
5	234.1684	0.39	22.60	22.99	46.00	-23.01	QP		
6 *	572.6144	0.13	30.61	30.74	46.00	-15.26	QP		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & FM] ; [Polarity: Horizontal]
Radiated Emission Measurement

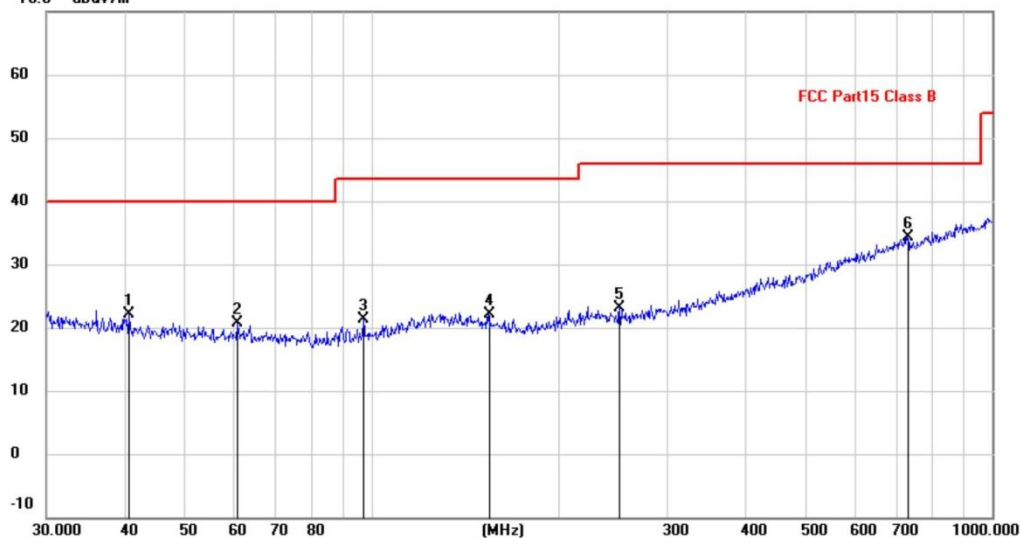
File :RE

Data :#1

Date: 2020/6/30 星期

Time: 上午 10:01:12

70.0 dBuV/m



Site

Polarization: **Horizontal**

Temperature:

Limit: FCC Part15 Class B

Power:

Humidity: %

EUT: Mobile Phone

Distance: 3m

M/N: B1f

Mode: charging+FM

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		40.7016	-2.26	24.30	22.04	40.00	-17.96	QP		
2		60.9176	-2.54	23.18	20.64	40.00	-19.36	QP		
3		97.1148	0.87	20.36	21.23	43.50	-22.27	QP		
4		154.2786	-1.21	23.24	22.03	43.50	-21.47	QP		
5		251.1804	0.22	22.98	23.20	46.00	-22.80	QP		
6	*	729.3583	1.08	33.20	34.28	46.00	-11.72	QP		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & FM] ; [Polarity: Vertical]
Radiated Emission Measurement

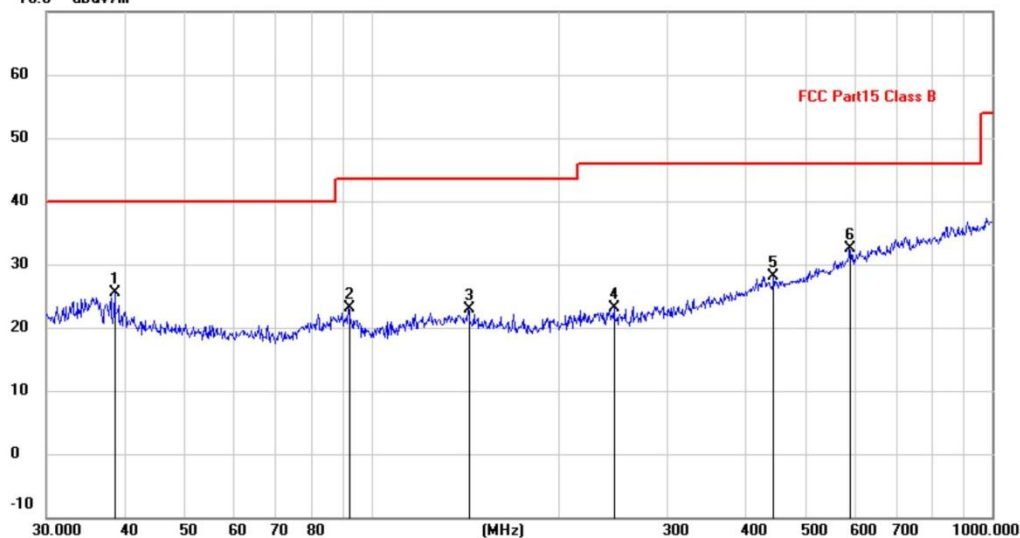
File :RE

Data :#2

Date: 2020/6/30 星期

Time: 上午 10:03:52

70.0 dBuV/m



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 Class B

Power:

Humidity: %

EUT: Mobile Phone

Distance: 3m

M/N: B1f

Mode: charging+FM

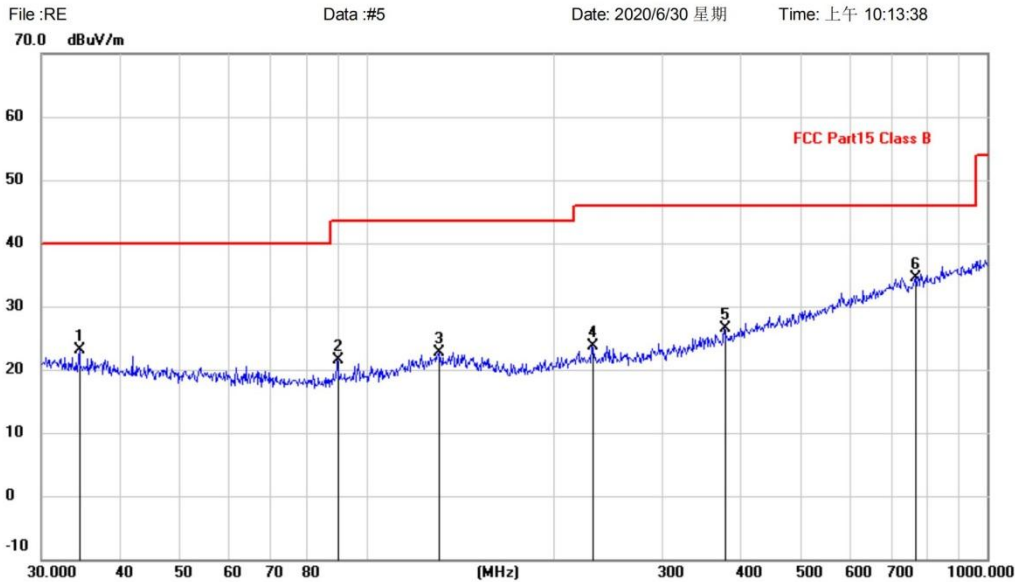
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		38.6160	1.55	23.99	25.54	40.00	-14.46	QP		
2		91.8163	3.24	19.78	23.02	43.50	-20.48	QP		
3		143.3261	-0.40	23.28	22.88	43.50	-20.62	QP		
4		245.9509	0.13	23.00	23.13	46.00	-22.87	QP		
5		444.8514	0.24	27.95	28.19	46.00	-17.81	QP		
6	*	588.9051	1.45	30.97	32.42	46.00	-13.58	QP		

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

[Test Mode: Charging & Play] ; [Polarity: Horizontal]
Radiated Emission Measurement


Site Polarization: **Horizontal** Temperature:
Limit: FCC Part15 Class B Power: Humidity: %
EUT: Mobile Phone Distance: 3m
M/N: B1f
Mode: charging+playing
Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	34.5173	-0.03	23.12	23.09	40.00	-16.91	QP		
2	89.9047	1.92	19.58	21.50	43.50	-22.00	QP		
3	130.8369	-0.25	23.02	22.77	43.50	-20.73	QP		
4	230.9068	1.40	22.36	23.76	46.00	-22.24	QP		
5	377.2591	0.25	26.32	26.57	46.00	-19.43	QP		
6 *	768.7481	0.64	33.81	34.45	46.00	-11.55	QP		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging &Play] ; [Polarity: Vertical]
Radiated Emission Measurement

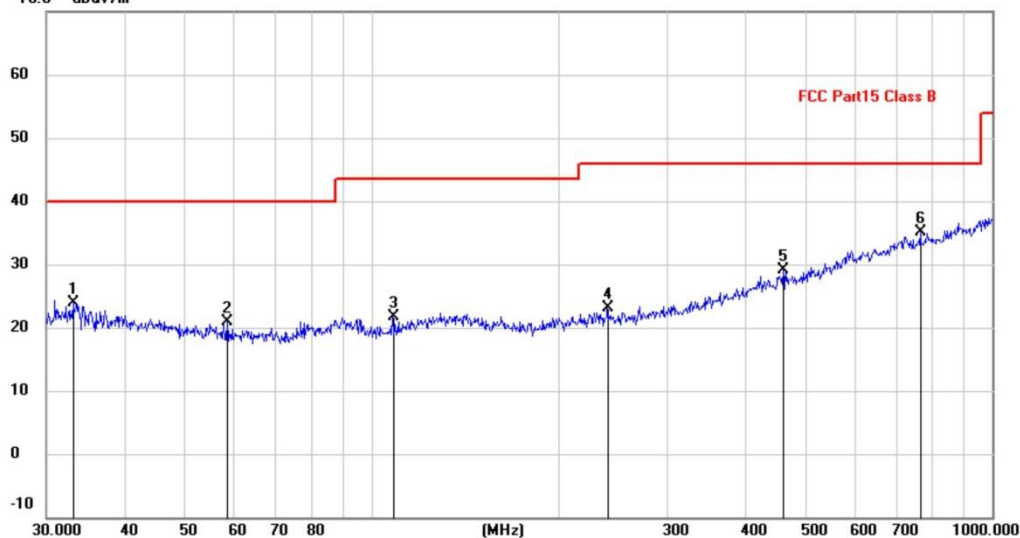
File :RE

Data :#6

Date: 2020/6/30 星期

Time: 上午 10:15:20

70.0 dBuV/m



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 Class B

Power:

Humidity: %

EUT: Mobile Phone

Distance: 3m

M/N: B1f

Mode: charging+playing

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		33.0950	1.02	22.92	23.94	40.00	-16.06	QP		
2		58.6126	-2.71	23.53	20.82	40.00	-19.18	QP		
3		108.2667	0.18	21.52	21.70	43.50	-21.80	QP		
4		239.9874	0.13	23.02	23.15	46.00	-22.85	QP		
5		460.7271	0.83	28.24	29.07	46.00	-16.93	QP		
6	*	766.0571	1.35	33.77	35.12	46.00	-10.88	QP		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & TF] ; [Polarity: Horizontal]
Radiated Emission Measurement

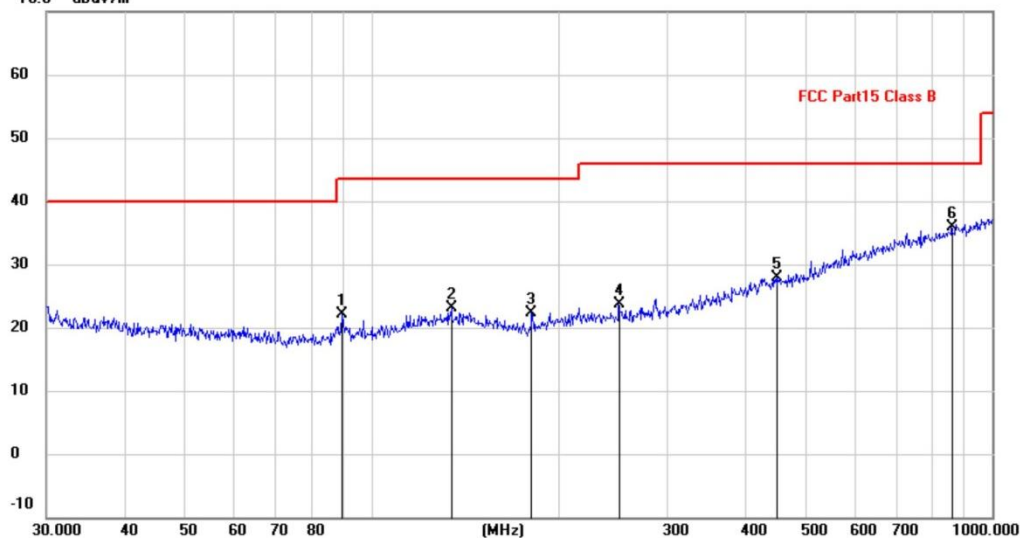
File : RE

Data : #15

Date: 2020/6/30 星期

Time: 下午 5:18:44

70.0 dBuV/m



Site

Polarization: **Horizontal**

Temperature:

Limit: FCC Part15 Class B

Power:

Humidity: %

EUT: Mobile Phone

Distance: 3m

M/N: B1f

Mode: charging+TF

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		89.5899	2.53	19.56	22.09	43.50	-21.41	QP		
2		134.5592	-0.07	23.13	23.06	43.50	-20.44	QP		
3		181.2834	1.24	20.97	22.21	43.50	-21.29	QP		
4		250.3012	0.80	22.99	23.79	46.00	-22.21	QP		
5		451.1350	-0.12	28.06	27.94	46.00	-18.06	QP		
6	*	860.0352	1.03	34.85	35.88	46.00	-10.12	QP		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[Test Mode: Charging & TF] ; [Polarity: Vertical]
Radiated Emission Measurement

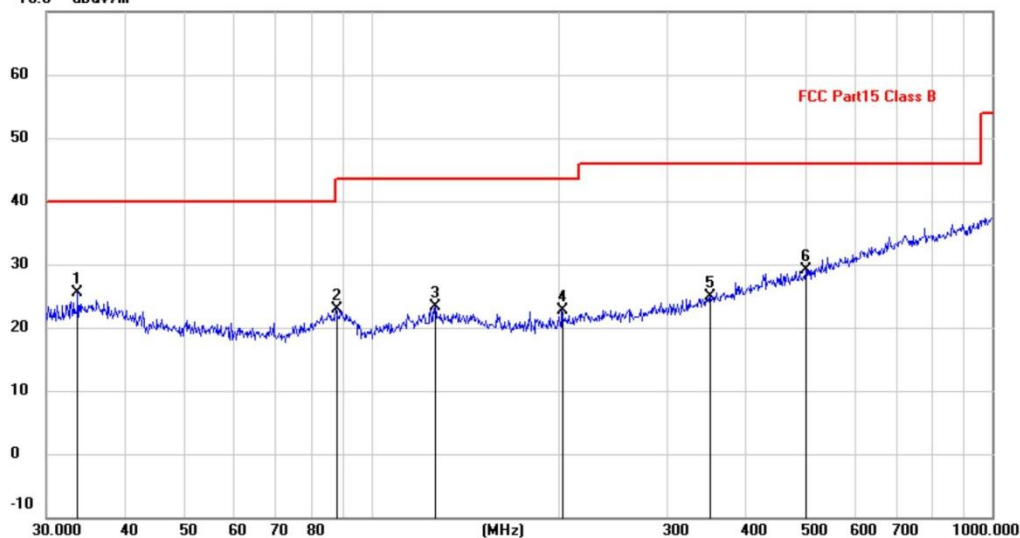
File :RE

Data :#16

Date: 2020/6/30 星期

Time: 下午 5:21:06

70.0 dBuV/m



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 Class B

Power:

Humidity: %

EUT: Mobile Phone

Distance: 3m

M/N: B1f

Mode: charging+TF

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	33.6802	2.43	23.01	25.44	40.00	-14.56	QP		
2		87.7248	3.48	19.47	22.95	40.00	-17.05	QP		
3		126.7723	0.43	22.89	23.32	43.50	-20.18	QP		
4		202.8104	2.52	20.22	22.74	43.50	-20.76	QP		
5		351.7079	-0.61	25.48	24.87	46.00	-21.13	QP		
6		501.1790	0.11	29.08	29.19	46.00	-16.81	QP		

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

----END OF REPORT----

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