



# FCC Test Report FCC ID: ZSW-30-115

**Product:** Mobile Phone

Trade Mark: Bmobile

Model Number: BL40

Family Model: N/A

Report No.: \$21082300601006

#### **Prepared for**

b mobile HK Limited

Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong, China

#### Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen P.R. China Tel. 400-800-6106, 0755-2320 0050, 0755-2320 0090 Website:http://www.ntek.org.cn

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Applicant's name..... b mobile HK Limited

Manufacturer's Name.....: b mobile HK Limited



Report No.: S21082300601006

#### **TEST RESULT CERTIFICATION**

Address ...... Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong, China

Address:	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong, China			
Product description				
Product name:	Mobile Ph	one		
Model and/or type reference :	BL40			
Family Model:	N/A			
Standards:	FCC Part <sup>2</sup> ANSI C63	15B .4:2014		
	n complian	tted by NTEK, and the test results show that the ce with Part 15 of FCC Rules. And it is applicable only t.		
This report shall not be reprodu-	ced except	t in full, without the written approval of NTEK, this		
document may be altered or rev	vised by N⊓	ΓΕΚ, personnel only, and shall be noted in the revision		
of the document.				
Date of Test	:			
Date (s) of performance of tests.	:	Aug 24. 2021 ~ Sep 13, 2021		
Date of Issue	:	Sep 14, 2021		
Test Result	:	Pass		
Testing Engine	er :	(Allen Liu)		
		(Allen Liu)		
Authorized Sig	natory:	Alex		
		(Alex Li)		

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## 1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission						
Standard Test Item Limit Judgment Rem						
FCC Part15B	Conducted Emission	Class B	PASS			
ANSI C63.4: 2014	Radiated Emission	Class B	PASS			

#### NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

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#### 1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District,

Shenzhen 518126 P.R. China.

IC-Registration The Certificate Registration Number is 9270A.

CAB identifier:CN0074

FCC- Accredited Test Firm Registration Number: 463705.

Designation Number: CN1184

#### 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $\mathbf{y} \pm \mathbf{U}$ , where expended uncertainty  $\mathbf{U}$  is based on a standard uncertainty multiplied by a coverage factor of  $\mathbf{k=2}$ , providing a level of confidence of approximately 95 %.

#### A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	±2.80dB	

#### B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKA01	ANSI	30MHz~1000MHz	±2.64dB	
		1GHz~6GHz	±2.40dB	
		6GHz~26.5GHz	±2.52dB	

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## 2. GENERAL INFORMATION

## 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile Phone			
Trade Mark	Bmobile			
Model Name	BL40			
Family Model	N/A			
Model Difference	N/A			
	The EUT is a Mobile Phone.			
Product Description	Connecting I/O port:	Micro USB, Earphone		
Product Description	Operation Frequency:	2.4835GHz		
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.			
Power Source	DC 3.8V/ 1500mAh from battery or DC 5V from Adapter.			
Adoptor	Input: AC 100-240V~50-60Hz 0.15A			
Adapter	Output: DC 5.0V ===500mA			
HW Version	Bmobile_BL40_HW_V1.0			
SW Version	Bmobile_BL40_TEM_PE	_V001		

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#### 2.1.1 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	USB Data Transmission
Mode 2	TF card Playing
Mode 3	REC
Mode 4	FM
Mode 5	GPS

For Conducted Test				
Final Test Mode Description				
Mode 1	USB Data Transmission			
Mode 2	TF card Playing			
Mode 3	REC			
Mode 4	FM			
Mode 5 GPS				

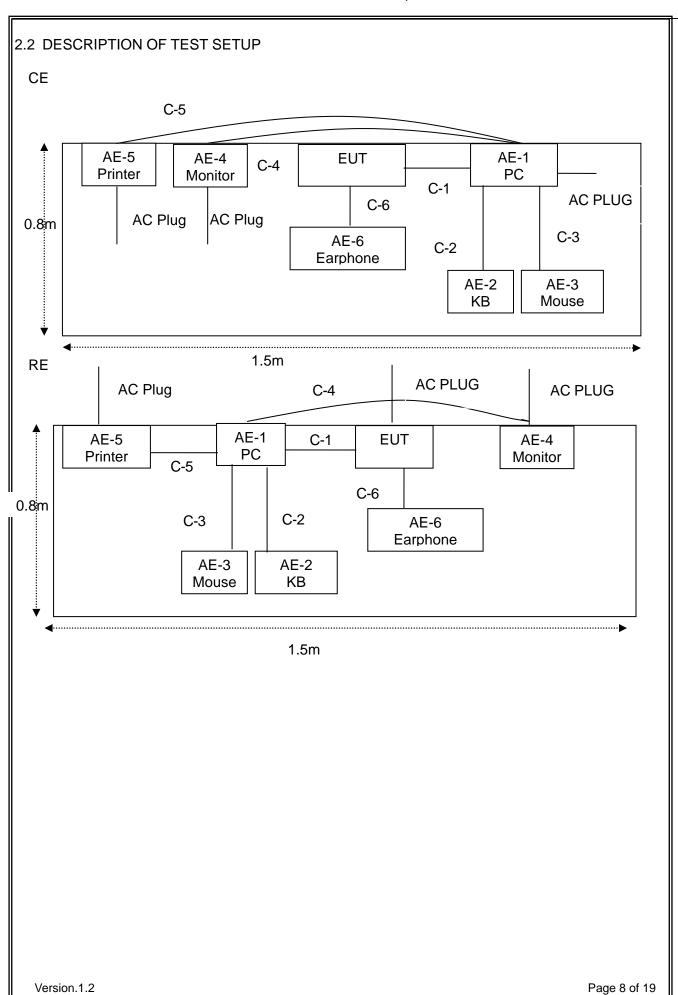
For Radiated Test				
Final Test Mode Description				
Mode 1	USB Data Transmission			
Mode 2	TF card Playing			
Mode 3	REC			
Mode 4	FM			
Mode 5	GPS			

Note: Final Test Mode: Through Pre-scan, find the mode 1 is the worst case. Only the worst case mode is recorded in the report.

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#### 2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
AE-1	PC	N/A	N/A	N/A	Peripherals
AE-2	KB	N/A	N/A	N/A	Peripherals
AE-3	Mouse	N/A	N/A	N/A	Peripherals
AE-4	Monitor	N/A	N/A	N/A	Peripherals
AE-5	Printer	N/A	N/A	N/A	Peripherals
AE-6	Earphone	N/A	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	NO	NO	1.0m	
C-2	KB Cable	NO	NO	1.2m	
C-3	Mouse Cable	NO	NO	1.2m	
C-4	HDMI Cable	YES	YES	1.0m	
C-5	USB Cable	NO	NO	1.2m	
C-6	Earphone Cable	NO	NO	1.2m	

#### Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length\_"</code> column.
- (3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".

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## 2.4 MEASUREMENT INSTRUMENTS LIST

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
Spectrum Analyzer	Agilent	E4407B	MY451080 40	2021.04.27	2022.04.26	1 year
Test Receiver	R&S	ESPI	101318	2021.04.27	2022.04.26	1 year
Bilog Antenna	TESEQ	CBL6111D	31216	2021.03.29	2022.03.28	1 year
50Ω Coaxial Switch	Anritsu	MP59B	62002644 16	2020.05.11	2023.05.10	3 year
Spectrum Analyzer	ADVANTEST	R3132	15090020 1	2021.04.27	2022.04.26	1 year
Horn Antenna	EM	EM-AH-1018 0	20110714 02	2021.03.29	2022.03.28	1 year
Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2020.11.19	2021.11.18	1 year
Amplifier	EMC	EMC051835 SE	980246	2021.07.01	2022.06.30	1 year
Loop Antenna	ARA	PLA-1030/B	1029	2021.07.01	2022.06.30	1 year
Power Meter	DARE	RPR3006W	15I00041S NO84	2021.07.01	2022.06.30	1 year
Power Sensor	R&S	URV4-Z4	0395.1619 .05	2021.07.01	2022.06.30	1 year
Test Cable (30MHz-1GH z)	N/A	R-02	N/A	2020.05.11	2023.05.10	3 year
High Test Cable(1G-40 GHz)	N/A	R-03	N/A	2020.05.11	2023.05.10	3 year
High Test Cable(1G-40 GHz)	N/A	R-04	N/A	2020.05.11	2023.05.10	3 year
Test Receiver	R&S	ESCI	101160	2020.05.11	2023.05.10	3 year
	Kind of Equipment Spectrum Analyzer Test Receiver Bilog Antenna 50Ω Coaxial Switch Spectrum Analyzer Horn Antenna Horn Ant Amplifier Loop Antenna Power Meter Power Sensor Test Cable (30MHz-1GH z) High Test Cable(1G-40 GHz) High Test Cable(1G-40 GHz) GHz)	EquipmentAgilentSpectrum AnalyzerAgilentTest ReceiverR&SBilog AntennaTESEQ50Ω Coaxial SwitchAnritsuSpectrum AnalyzerADVANTESTHorn AntennaEMHorn AntSchwarzbeckAmplifierEMCLoop AntennaARAPower MeterDAREPower SensorR&STest Cable (30MHz-1GH z)N/AHigh Test Cable(1G-40 GHz)N/AHigh Test Cable(1G-40 GHz)N/A	Kind of EquipmentManufacturerType No.Spectrum AnalyzerAgilentE4407BTest ReceiverR&SESPIBilog AntennaTESEQCBL6111D50Ω Coaxial SwitchAnritsuMP59BSpectrum AnalyzerADVANTESTR3132Horn AntennaEMEM-AH-1018 0Horn AntSchwarzbeckBBHA 9170AmplifierEMCEMC051835 SELoop AntennaARAPLA-1030/BPower MeterDARERPR3006WPower SensorR&SURV4-Z4Test Cable (30MHz-1GH Z)N/AR-02High Test Cable(1G-40 GHz)N/AR-03High Test Cable(1G-40 GHz)N/AR-03High Test Cable(1G-40 GHz)N/AR-04	Kind of Equipment         Manufacturer         Type No.         Serial No.           Spectrum Analyzer         Agilent         E4407B         MY451080 40           Test Receiver         R&S         ESPI         101318           Bilog Antenna         TESEQ         CBL6111D         31216           50Ω Coaxial Switch         Anritsu         MP59B         62002644 16           Spectrum Analyzer         ADVANTEST         R3132         15090020 1           Horn Antenna         EM         EM-AH-1018 20110714 02         20110714 02           Horn Ant         Schwarzbeck         BBHA 9170 9170-181         9170-181           Amplifier         EMC         EMC051835 SE         980246           Loop Antenna         ARA         PLA-1030/B         1029           Power Meter         DARE         RPR3006W         15100041S NO84           Power Sensor         R&S         URV4-Z4         0395.1619 05           Test Cable (30MHz-1GH Z)         N/A         R-02         N/A           High Test Cable (1G-40 GHz)         N/A         R-03         N/A           High Test Cable (1G-40 GHz)         N/A         R-04         N/A	Kind of Equipment         Manufacturer         Type No.         Serial No.         Last calibration           Spectrum Analyzer         Agilent         E4407B         MY451080 40         2021.04.27           Test Receiver         R&S         ESPI         101318         2021.04.27           Bilog Antenna         TESEQ         CBL6111D         31216         2021.03.29           50Ω Coaxial Switch         Anritsu         MP59B         62002644 16         2020.05.11           Spectrum Analyzer         ADVANTEST         R3132         15090020 1         2021.04.27           Horn Antenna         EM         EM-AH-1018 0         20110714 02         2021.04.27           Horn Ant         Schwarzbeck         BBHA 9170         9170-181         2021.03.29           Horn Ant         EMC         EMC051835 SE         980246         2021.07.01           Loop Antenna         ARA         PLA-1030/B         1029         2021.07.01           Power Meter         DARE         RPR3006W         15100041S NO84         2021.07.01           Power Sensor         R&S         URV4-Z4         0395.1619 0.05         2021.07.01           Test Cable (30MHz-1GH Z)         N/A         R-02         N/A         2020.05.11           High	Kind of EquipmentManufacturerType No.Serial No.Last calibrationCalibrated untilSpectrum AnalyzerAgilentE4407BMY451080 402021.04.272022.04.26Test ReceiverR&SESPI1013182021.04.272022.04.26Bilog AntennaTESEQCBL6111D312162021.03.292022.03.2850Ω Coaxial SwitchAnritsuMP59B62002644 162020.05.112023.05.10Spectrum AnalyzerADVANTESTR313215090020 1 2021.04.272022.04.26Horn AntennaEMEM-AH-1018 0 22021.03.292022.03.28Horn AntSchwarzbeckBBHA 91709170-1812020.11.192021.03.292022.03.28AmplifierEMCEMC051835 SE9802462021.07.012022.06.30Loop AntennaARAPLA-1030/B10292021.07.012022.06.30Power MeterDARERPR3006W15100041S NO842021.07.012022.06.30Power SensorR&SURV4-Z40395.1619 .052021.07.012022.06.30Test Cable (30MHz-1GH Z)N/AR-02N/A2020.05.112023.05.10High Test Cable (1G-40 GHz)N/AR-03N/A2020.05.112023.05.10High Test Cable (1G-40 GHz)N/AR-04N/A2020.05.112023.05.10

AC Conduction Test equipment

Kind of Equipment Test Receiver	Manufactu rer	Type No.	Serial No.	Last	Calibrated	Calibratio
	-			a a libration		
Test Receiver				calibration	until	n period
1001110001101	R&S	ESCI	101160	2021.04.27	2022.04.26	1 year
LISN	R&S	ENV216	101313	2021.04.27	2022.04.26	1 year
LISN	SCHWAR ZBECK	NNLK 8129	8129245	2021.04.27	2022.04.26	1 year
50Ω Coaxial Switch	ANRITSU CORP	MP59B	620098370 4	2020.05.11	2023.05.10	3 year
Test Cable (9KHz-30MHz)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
Test Cable (9KHz-30MHz)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
Test Cable (9KHz-30MHz)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year
	LISN  50Ω Coaxial Switch  Test Cable (9KHz-30MHz)  Test Cable (9KHz-30MHz)  Test Cable (9KHz-30MHz)	LISN SCHWAR ZBECK  50Ω Coaxial Switch CORP  Test Cable (9KHz-30MHz) Test Cable (9KHz-30MHz) Test Cable (9KHz-30MHz)  Test Cable (9KHz-30MHz)  N/A	LISN  SCHWAR ZBECK  NNLK 8129  50Ω Coaxial Switch CORP  Test Cable (9KHz-30MHz)  Test Cable (9KHz-30MHz)  Test Cable (9KHz-30MHz)  Test Cable (9KHz-30MHz)  N/A  C02  Test Cable (9KHz-30MHz)  N/A  C03	LISN         SCHWAR ZBECK         NNLK 8129         8129245           50Ω Coaxial Switch         ANRITSU CORP         MP59B         620098370 4           Test Cable (9KHz-30MHz)         N/A         C01         N/A           Test Cable (9KHz-30MHz)         N/A         C02         N/A           Test Cable (9KHz-30MHz)         N/A         C03         N/A	LISNSCHWAR ZBECK ZBECKNNLK 812981292452021.04.2750Ω Coaxial SwitchANRITSU CORPMP59B620098370 42020.05.11Test Cable (9KHz-30MHz)N/AC01N/A2020.05.11Test Cable (9KHz-30MHz)N/AC02N/A2020.05.11Test Cable (9KHz-30MHz)N/AC03N/A2020.05.11	LISN         SCHWAR ZBECK         NNLK 8129         8129245         2021.04.27         2022.04.26           50Ω Coaxial Switch         ANRITSU CORP         MP59B         620098370 4         2020.05.11         2023.05.10           Test Cable (9KHz-30MHz)         N/A         C01         N/A         2020.05.11         2023.05.10           Test Cable (9KHz-30MHz)         N/A         C02         N/A         2020.05.11         2023.05.10           Test Cable (9KHz-30MHz)         N/A         C03         N/A         2020.05.11         2023.05.10

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable which is scheduled for calibration every 3 years.

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#### 3. EMC EMISSION TEST

## 3.1 CONDUCTED EMISSION MEASUREMENT

## 3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		
PREQUENCT (MIDZ)	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	
0.50 -5.0	73.00	60.00	56.00	46.00	
5.0 -30.0	73.00	60.00	60.00	50.00	

#### Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

The following table is the setting of the receiver				
Receiver Parameters	Setting			
Attenuation	10 dB			
Start Frequency	0.15 MHz			
Stop Frequency	30 MHz			
IF Bandwidth	9 kHz			

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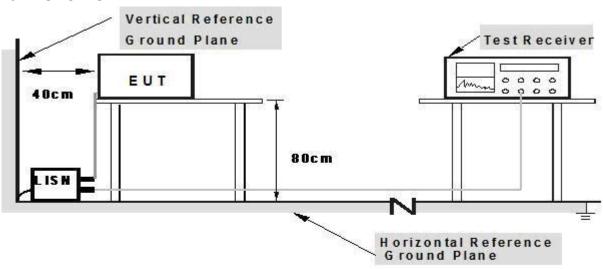




#### 3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

#### 3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISM.

2.Both of LISMs (AMM) are 80 cm from EUT and at least 80 from other units and other metal planes

#### 3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

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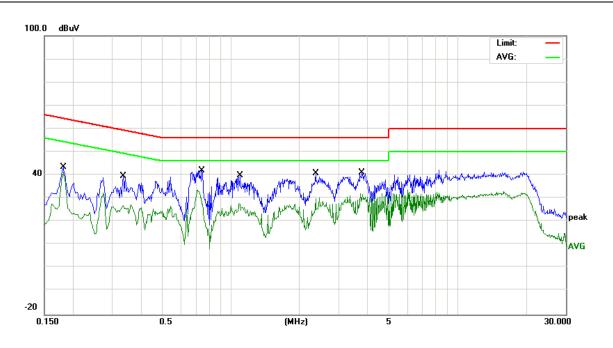


## 3.1.5 TEST RESULTS

EUT:	Mobile Phone	Model Name. :	BL40
Temperature:	21.6℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2021-09-10
Test Mode:	Mode 1	Phase :	L
Test Voltage:	DC 5V from PC AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1819	33.69	9.67	43.36	64.39	-21.03	QP
0.1819	31.69	9.67	41.36	54.39	-13.03	AVG
0.3339	29.85	9.63	39.48	59.35	-19.87	QP
0.3339	22.81	9.63	32.44	49.35	-16.91	AVG
0.7460	32.09	9.74	41.83	56.00	-14.17	QP
0.7460	23.92	9.74	33.66	46.00	-12.34	AVG
1.0940	30.00	9.75	39.75	56.00	-16.25	QP
1.0940	23.93	9.75	33.68	46.00	-12.32	AVG
2.3660	30.88	9.74	40.62	56.00	-15.38	QP
2.3660	20.28	9.74	30.02	46.00	-15.98	AVG
3.7860	31.37	9.68	41.05	56.00	-14.95	QP
3.7860	21.56	9.68	31.24	46.00	-14.76	AVG

#### Remark:



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All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.



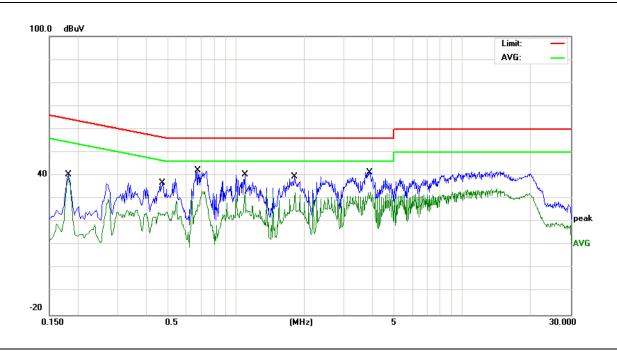


EUT:	Mobile Phone	Model Name. :	BL40
Temperature:	21.6 ℃	Relative Humidity:	56%
Pressure:	1010hPa	Test Date:	2021-09-10
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 5V from PC AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1819	30.96	9.63	40.59	64.39	-23.80	QP
0.1819	29.67	9.63	39.30	54.39	-15.09	AVG
0.4740	27.08	9.73	36.81	56.44	-19.63	QP
0.4740	20.19	9.73	29.92	46.44	-16.52	AVG
0.6780	32.49	9.65	42.14	56.00	-13.86	QP
0.6780	23.74	9.65	33.39	46.00	-12.61	AVG
1.0940	30.69	9.74	40.43	56.00	-15.57	QP
1.0940	20.48	9.74	30.22	46.00	-15.78	AVG
1.8180	29.78	9.68	39.46	56.00	-16.54	QP
1.8180	18.77	9.68	28.45	46.00	-17.55	AVG
3.8820	31.65	9.76	41.41	56.00	-14.59	QP
3.8820	19.57	9.76	29.33	46.00	-16.67	AVG

#### Remark:

- 1. All readings are Quasi-Peak and Average values.
- 2. Factor = Insertion Loss + Cable Loss.



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#### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

	Class A (at 10m)	Class B (at 3m)	
FREQUENCY (MHz)	dBuV/m	dBuV/m	
30 ~ 88	39.0	40.0	
88 ~ 216	43.5	43.5	
216 ~ 960	46.5	46.0	
Above 960	49.5	54.0	

#### Notes:

- (1) The limit for radiated test was performed according to as following: FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

#### 3.2.2 TEST PROCEDURE

#### Test Arrangement for Radiated Emissions up to 1 GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency below 1GHz.

#### Test Arrangement for Radiated Emissions above 1 GHz.

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength.Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report

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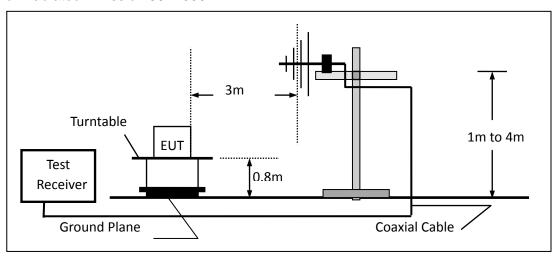


During the radiated emission test, according to ANSI C63.4-2014(4.2), the Spectrum Analyzer was set with the following configurations:

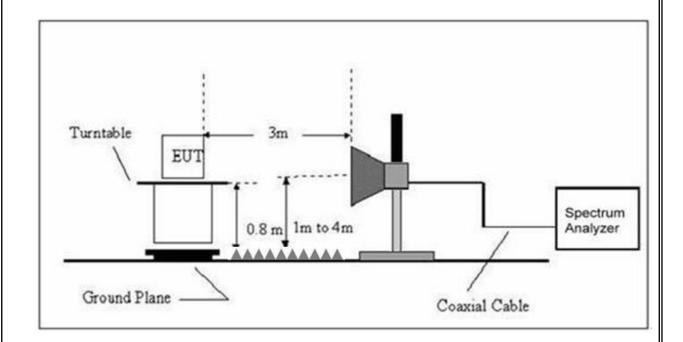
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
	Peak	1 MHz	3 MHz
Above 1000	Avg	1 MHz	10 Hz

#### 3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



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#### 3.2.4 TEST RESULTS

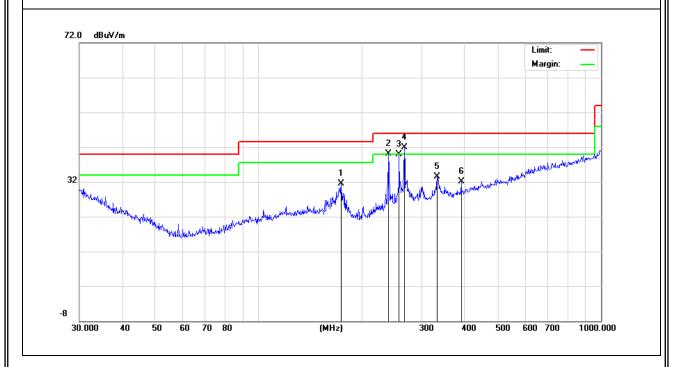
## TEST RESULTS (30~1000 MHz)

	(88 1888 :::: 12)		
EUT:	Mobile Phone	Model Name:	BL40
Temperature:	25.3 ℃	Relative Humidity:	51%
Pressure:	1010 hPa	Test Date :	2021-09-10
Test Mode:	Mode 1	Polarization:	Horizontal
Test Power :	DC 5V from PC AC 120V/60Hz		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	rterria it
Н	174.4241	14.86	16.73	31.59	43.50	-11.91	QP
Н	239.9874	21.47	18.55	40.02	46.00	-5.98	QP
Н	257.4222	18.95	20.98	39.93	46.00	-6.07	QP
Н	266.6089	20.94	20.97	41.91	46.00	-4.09	QP
Н	332.5187	11.32	22.20	33.52	46.00	-12.48	QP
Н	390.7226	8.26	23.82	32.08	46.00	-13.92	QP

#### Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



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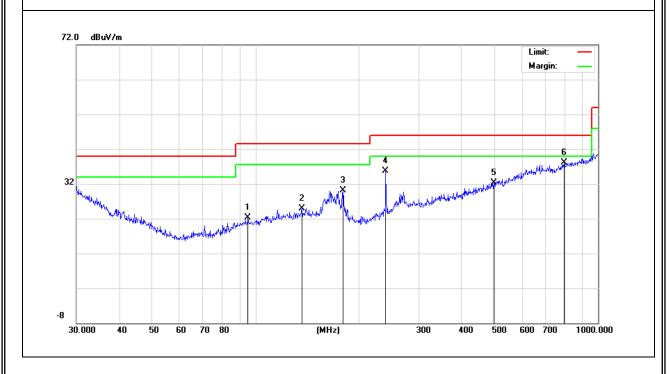


EUT:	Mobile Phone	Model Name :	BL40
Temperature:	25.3 ℃	Relative Humidity:	51%
Pressure:	1010 hPa	Test Date :	2021-09-10
Test Mode :	Mode 1	Polarization :	Vertical
Test Power :	DC 5V from PC AC 120V/60Hz		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	95.0930	5.94	16.35	22.29	43.50	-21.21	QP
V	136.4598	6.40	18.60	25.00	43.50	-18.50	QP
V	180.0165	13.71	16.46	30.17	43.50	-13.33	QP
V	239.9874	17.13	18.55	35.68	46.00	-10.32	QP
V	495.9344	5.85	26.54	32.39	46.00	-13.61	QP
V	796.1830	7.27	30.93	38.20	46.00	-7.80	QP

## Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



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## 3.2.5 TEST RESULTS(1000~18000MHz)

EUT:	Mobile Phone	Model Name :	BL40		
Temperature:	<b>25.3</b> ℃	Relative Humidity:	51%		
Pressure:	1010 hPa	Test Date :	2021-09-10		
Test Mode:	Mode 1				
Test Power:	DC 5V from PC AC 120V/60Hz				

All the modulation modes have been tested, and the worst result was report as below:

	F	Deading	O a man at	Daguilt	Linait	Over	
Polar	Frequency	Reading	Correct	Result	Limit	Limit	Remark
(H/V)	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
V	2955.000	39.18	8.56	47.74	74.00	-26.26	peak
V	2955.000	28.77	8.56	37.33	54.00	-16.67	AVG
V	4272.500	37.67	11.49	49.16	74.00	-24.84	peak
V	4272.500	25.16	11.49	36.65	54.00	-17.35	AVG
V	5590.000	35.39	13.51	48.90	74.00	-25.10	peak
V	5590.000	21.47	13.51	34.98	54.00	-19.02	AVG
V	6397.500	34.64	13.82	48.46	74.00	-25.54	peak
V	6397.500	23.33	13.82	37.15	54.00	-16.85	AVG
V	8055.000	32.25	16.66	48.91	74.00	-25.09	peak
V	8055.000	19.89	16.66	36.55	54.00	-17.45	AVG
V	9075.000	32.65	18.10	50.75	74.00	-23.25	peak
V	9075.000	21.77	18.10	39.87	54.00	-14.13	AVG
Н	2955.000	39.00	8.56	47.56	74.00	-26.44	peak
Н	2955.000	27.77	8.56	36.33	54.00	-17.67	AVG
Н	4230.000	37.16	11.39	48.55	74.00	-25.45	peak
Н	4230.000	26.76	11.39	38.15	54.00	-15.85	AVG
Н	4952.500	34.84	12.23	47.07	74.00	-26.93	peak
Н	4952.500	25.01	12.23	37.24	54.00	-16.76	AVG
Н	6397.500	33.76	13.82	47.58	74.00	-26.42	peak
Н	6397.500	22.77	13.82	36.59	54.00	-17.41	AVG
Н	8905.000	32.30	17.90	50.20	74.00	-23.80	peak
Н	8905.000	22.25	17.90	40.15	54.00	-13.85	AVG
Н	10392.50	30.41	19.05	49.46	74.00	-24.54	peak
Н	10392.50	18.10	19.05	37.15	54.00	-16.85	ÁVG

### Remark:

Result = Reading + Correct, Over Limit= Result - Limit
Note: Only the worst results data points are reported in the report.

Other emissions are attenuated 20dB below the limit that does not recorded in the report.

**END OF REPORT** 

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