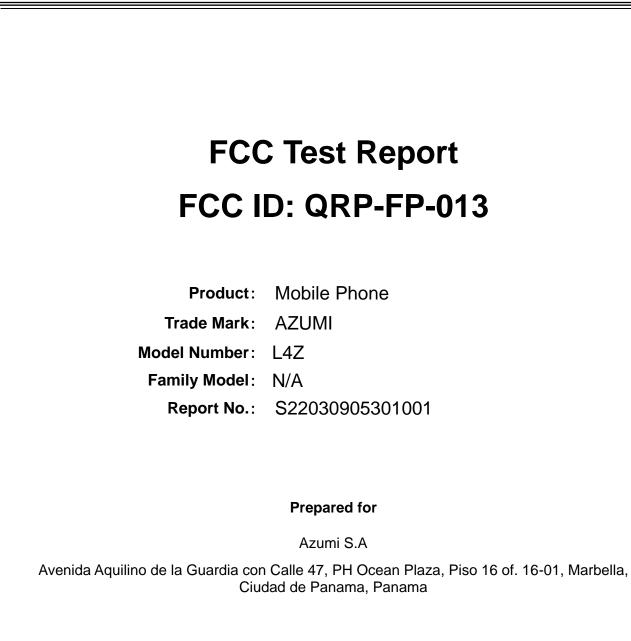
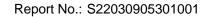


NTEK 北测



Prepared by

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ac.

Applicant's name Azumi S.A	
Avenida Aquilino de la Guardia con Calle 47, PH Ocean Plaza, Piso 16 of. 16-01, Marbella, Ciudad de Panama, Panama	
Manufacturer's Name AZUMI HK LTD	
Address FLAT/RM 18 BLK 1 14/F GOLDEN INDUSTRIAL BUILDING 16-26 KWAI TAK STREET KWAI CHUNG, HK	
Product description	
Product name Mobile Phone	
Model and/or type reference L4Z	
Family ModelN/A	
FCC Part15B Standards ANSI C63.4:2014	
This device deperihed above has been tested by NTEK, and the test results show that the	

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of NTEK, this document may be altered or revised by NTEK, personnel only, and shall be noted in the revision of the document.

Date of Test	
Date (s) of performance of tests:	Mar 11. 2022 ~ Mar 30. 2022
Date of Issue	Mar 31. 2022
Test Result	Pass

:

Testing Engineer

Authorized Signatory:

Allen Liv (Allen Liu)

(Alex Li)

NTEK 北测 [®]	ac-

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Certificate #4298.01

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1. TEST SUMMARY

Test procedures according to the technical standards:

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

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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.



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.

FCC Registration Number:463705; IC Registration Number:9270A-1

CNAS Registration Number:L5516

1.2 MEASUREMENT UNCERTAINTY

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

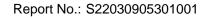
Test Item	Measurement Frequency Range	К	U(dB)
AC Mains Conducted Emission	0.009kHz ~ 0.15MHz	2	2.66
AC Mains Conducted Emission	0.15MHz ~ 30MHz	2	2.80
Telecom Conducted Emission (Cat 3)	0.15MHz ~ 30MHz	2	2.40
Telecom Conducted Emission (Cat 5)	0.15MHz ~ 30MHz	2	2.58
Radiated Emission	30MHz ~ 1000MHz	2	2.64
Radiated Emission	1000MHz ~ 6000MHz	2	5.10
Radiated Emission	6000MHz ~ 18000MHz	2	2.52
Power Clamp	30MHz ~ 300MHz	2	2.20



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile Phone			
Trade Mark	AZUMI			
Model Name	L4Z			
Family Model	N/A			
Model Difference	N/A			
	The EUT is a Mobile Phone .			
Braduct Description	Connecting I/O port:	Micro USB, Earphone		
Product Description	Operation Frequency:	2.4GHz		
	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 3.7V/600mAh from battery or DC 5V from Adapter.			
Adapter	Input: AC 100-240V~50-60Hz 0.15A			
	Output: DC 5.0V 500mA			
HW Version	AZUMI_L4Z_OM_HW_V001			
SW Version	AZUMI_L4Z_OM_LTM_	V001		





2.1.1 DESCRIPTION OF TEST MODES

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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	TF card Playing
Mode 2	REC
Mode 3	FM
Mode 4	USB data transmission

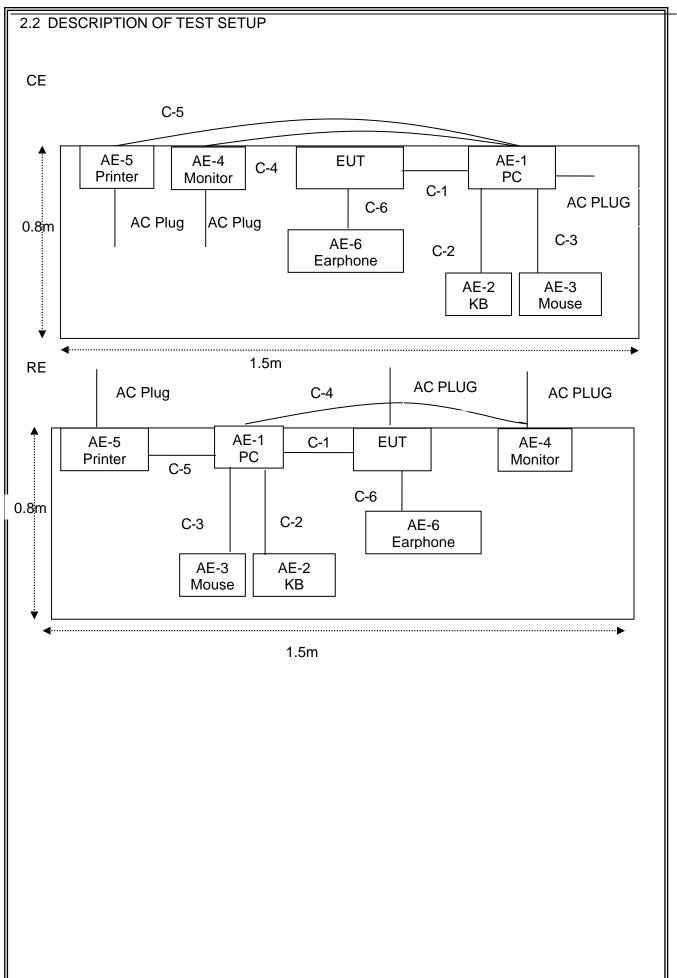
For Conducted Test			
Final Test Mode Description			
Mode 4	USB data transmission		

For Radiated Test			
Final Test Mode Description			
Mode 4 USB data transmission			

Note: Final Test Mode: Through Pre-scan, find the mode 4 is the worst case. Only the worst case mode is recorded in the report.



Report No.: S22030905301001





2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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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	DELL	FT4Y23X	N/A	Peripherals
AE-2	KB	N/A	N/A	N/A	Peripherals
AE-3	Mouse	DELL	MS111-P	N/A	Peripherals
AE-4	Monitor	N/A	N/A	N/A	Peripherals
AE-5	Printer	Canon	L11121E	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	USB Cable	NO	NO	1.2m	
C-3	USB 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 ^rLength₁ column.
- (3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".



2.4 MEASUREMENT INSTRUMENTS LIST

	ation Test equip						
ltem	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2021.04.27	2022.04.26	1 year
2	Test Receiver	R&S	ESPI	101318	2021.04.27	2022.04.26	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2021.04.27	2022.04.26	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2021.04.27	2022.04.26	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2021.04.27	2022.04.26	1 year
6	Horn Antenna		EM-AH-101 80	2011071402	2021.04.27	2022.04.26	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2021.04.27	2022.04.26	1 year
8	Amplifier	EMC	EMC05183 5SE	980246	2021.04.27	2022.04.26	1 year
9	Loop Antenna	ARA	PLA-1030/B		2021.04.27	2022.04.26	1 year
10	Power Meter	DARE	RPR3006W	15I00041S NO84	2021.04.27	2022.04.26	1 year
11	Power Sensor	R&S	URV4-Z4	0395.1619. 05	2021.04.27	2022.04.26	1 year
12	Test Cable (30MHz-1GH z)	N/A	R-02	N/A	2019.06.28	2022.06.27	3 year
13	High Test Cable(1G-40 GHz)	N/A	R-03	N/A	2019.06.28	2022.06.27	3 year
14	High Test Cable(1G-40 GHz)	N/A	R-04	N/A	2019.06.28	2022.06.27	3 year
15	Test Receiver	R&S	ESCI	101160	2021.04.27	2022.04.26	1 year
 ^							
Item	Conduction Test	Manufactu	Type No.	Serial No.	Last	Calibrated	Calibratio
	Equipment	rer	••		calibration	until	n period
1	Test Receive	er R&S	ESCI	101160	2021.04.27	2022.04.26	1 year
2	LISN	R&S	ENV216	101313	2021.04.27	2022.04.26	1 year
3	LISN	SCHWAR ZBECK	NNLK 8129	8129245	2021.04.27	2022.04.26	1 year
4	50Ω Coaxial Switch	I ANRITSU CORP	MP59B	620098370 4	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MHz	z) N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MHz	z) N/A	C02	N/A	2020.05.11	2023.05.10	3 year
	Test Cable		·	•	·	•	

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



3. EMC EMISSION TEST

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3.1 CONDUCTED EMISSION MEASUREMENT

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

FREQUENCY (MHz)	Class A	(dBuV)	Class B (dBuV)		
	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

Receiver Parameters	Setting			
Attenuation	10 dB			
Start Frequency	0.15 MHz			
Stop Frequency	30 MHz			
IF Bandwidth	9 kHz			



3.1.2 TEST PROCEDURE

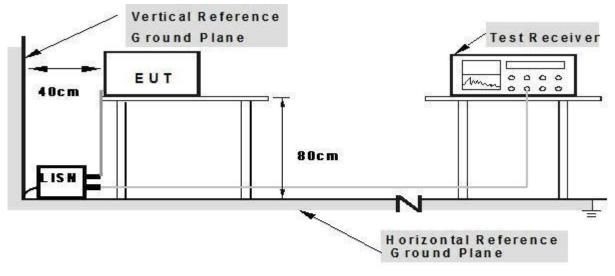
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- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 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 LISN. 2.Both of LISNs (AMN) 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.



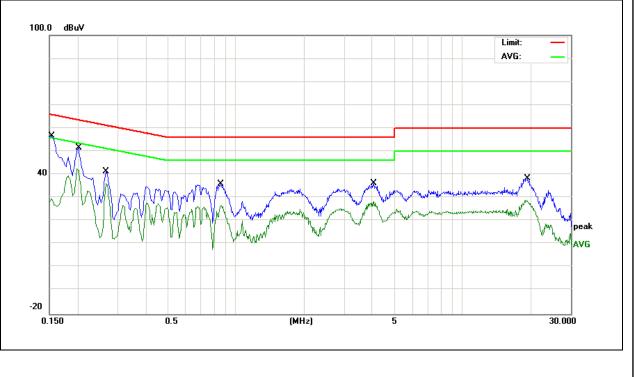
3.1.5 TEST RESULTS

UT: Mobile Phone			Mode	I Name. :	L4Z		
Temperature:	22.1 ℃		Relati	ve Humidity:	53%		
Pressure:	ressure: 1010hPa Test Date: 2022-03-22						
Fest Mode:	Mode 4		Phase	e:	L		
Fest Voltage:	DC 5V fro	m PC (AC 12	0V/60Hz)				
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin		
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark	
0.1539	47.08	9.72	56.80	65.78	-8.98	QP	
0.1539	32.78	9.72	42.50	55.78	-13.28	AVG	
0.2020	41.97	9.63	51.60	63.52	-11.92	QP	
0.2020	26.66	9.63	36.29	53.52	-17.23	AVG	
0.2660	31.64	9.63	41.27	61.24	-19.97	QP	
0.2660	21.39	9.63	31.02	51.24	-20.22	AVG	
0.8580	26.35	9.74	36.09	56.00	-19.91	QP	
0.8580	18.09	9.74	27.83	46.00	-18.17	AVG	
4.0579	26.47	9.67	36.14	56.00	-19.86	QP	
4.0579	16.89	9.67	26.56	46.00	-19.44	AVG	
19.3620	28.42	9.85	38.27	60.00	-21.73	QP	
19.3620	19.32	9.85	29.17	50.00	-20.83	AVG	

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.



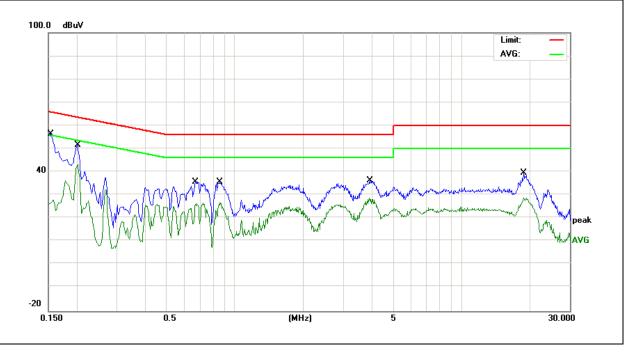


EUT:	Mobile Ph	lone	Mode	I Name. :	L4Z			
Temperature:	22.1 ℃		Relati	ive Humidity:	ve Humidity: 53%			
Pressure:	1010hPa		Test [Date:	2022-03-22			
Test Mode: Mode 4			Phase	e :	N			
Test Voltage:	DC 5V fro	om PC(AC 12	0V/60Hz)					
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin			
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark		
0.1539	46.76	9.63	56.39	65.78	-9.39	QP		
0.1539	22.77	9.63	32.40	55.78	-23.38	AVG		
0.2020	41.93	9.63	51.56	63.52	-11.96	QP		
0.2020	33.46	9.63	43.09	53.52	-10.43	AVG		
0.6700	26.07	9.65	35.72	56.00	-20.28	QP		
0.6700	15.67	9.65	25.32	46.00	-20.68	AVG		
0.8580	26.00	9.69	35.69	56.00	-20.31	QP		
0.8580	16.65	9.69	26.34	46.00	-19.66	AVG		
3.9260	26.39	9.77	36.16	56.00	-19.84	QP		
3.9260	16.56	9.77	26.33	46.00	-19.67	AVG		
18.8100	29.72	9.75	39.47	60.00	-20.53	QP		
18.8100	18.96	9.75	28.71	50.00	-21.29	AVG		

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.





3.2 RADIATED EMISSION MEASUREMENT

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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.

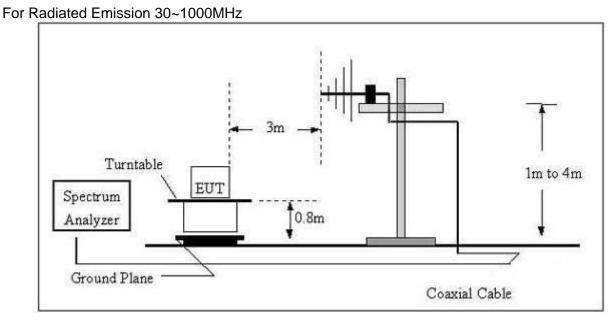
Note: For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

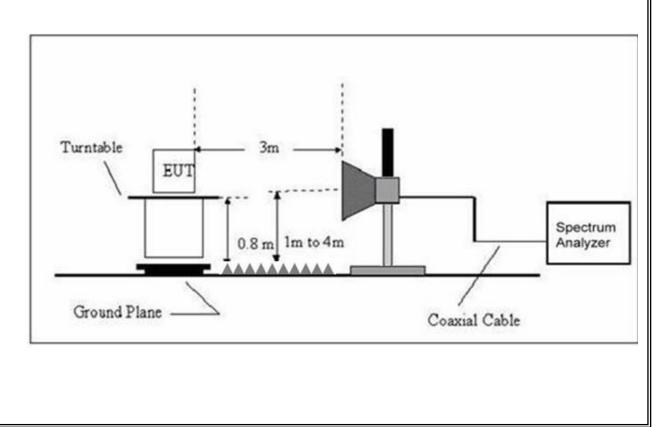


Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
	Peak	1 MHz	1 MHz
Above 1000	Avg	1 MHz	1 MHz

3.2.3 TEST SETUP



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





3.2.4 TEST RESULTS

TEST RESULTS (30~1000 MHz)

EUT:	Mobile Phone	Model Name:	L4Z				
Temperature:	25.2 ℃	Relative Humidity:	50%				
Pressure:	1010 hPa	Test Date :	2022-03-22				
Test Mode :	Mode 4	Mode 4 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)	
Н	34.5172	6.32	21.27	27.59	40.00	-12.41	QP
Н	143.8294	9.07	16.31	25.38	43.50	-18.12	QP
Н	155.9100	8.85	16.94	25.79	43.50	-17.71	QP
Н	323.3204	10.16	20.64	30.80	46.00	-15.20	QP
Н	642.8613	8.08	27.73	35.81	46.00	-10.19	QP
Н	919.2866	6.68	31.74	38.42	46.00	-7.58	QP
Remark Emissio	n Level= Meter dBuV/m	Reading+ Fa	ctor, Marg	in= Emission I	_evel- Limit.		
						Limit: — Margin: —	
32			2 3 X X	Longe Malles Marine Marine M	4 Manager and the stand of the	S Constant of the second secon	
-8 30.0	00 40 50 60	70 80	(MHz) 30	0 400 500	600 700 10	00.000

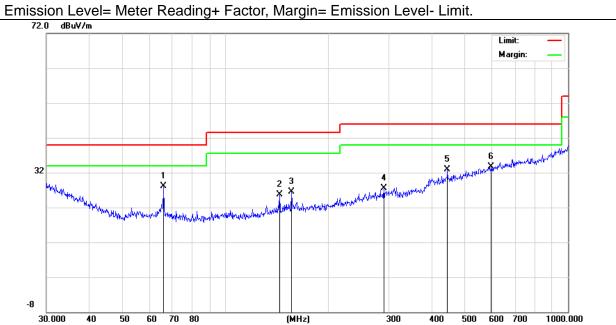




EUT:	Mobile Phone	Model Name :	L4Z			
Temperature:	25.2 ℃	Relative Humidity:	50%			
Pressure:	1010 hPa	Test Date :	2022-03-22			
Test Mode :	Mode 4	Polarization :	Vertical			
Test Power :	DC 5V from PC (AC 120V/60Hz)					

Polar	Frequency	Meter Reading	Factor	Emission Level Limits		Margin	Remark	
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	i temark	
V	66.0342	13.37	14.68	28.05	40.00	-11.95	QP	
V	143.8294	9.43	16.31	25.74	43.50	-17.76	QP	
V	155.9101	9.65	16.94	26.59	43.50	-16.91	QP	
V	290.0172	7.33	20.19	27.52	46.00	-18.48	QP	
V	444.8514	8.14	24.71	32.85	46.00	-13.15	QP	
V	597.2234	6.61	27.09	33.70	46.00	-12.30	QP	

Remark:





3.2.5 TEST RESULTS(1000~18000MHz)								
EUT:		Mob	ile Phone		Model N	lame :	L4Z	
Temperat	ure:	25.4	°C		Relative	Relative Humidity: 56%		
Pressure:								2
Test Mode	э:	Mod	e 4					
Test Powe			5V from PC(AC: 120\//6()Hz)			
			have been te		,	t was report :	as below:	
Polar	Freque		Reading	Correct	Result	Limit	Over Limit	Remark
(H/V)	(MHz	<u>z</u>)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
V	1255.0	00	39.94	-0.14	39.80	74.00	-34.20	peak
V	1255.0	00	29.29	-0.14	29.15	54.00	-24.85	AVG
V	1722.5	00	39.32	0.51	39.83	74.00	-34.17	peak
V	1722.5	00	28.82	0.51	29.33	54.00	-24.67	AVG
V	2785.0	00	39.52	1.78	41.30	74.00	-32.70	peak
V	2785.0	00	29.42	1.78	31.20	54.00	-22.80	AVG
V	2955.0	00	38.80	2.46	41.26	74.00	-32.74	peak
V	2955.0	00	28.60	2.46	31.06	54.00	-22.94	AVG
V	4272.5	00	38.30	4.44	42.74	74.00	-31.26	peak
V	4272.5	00	27.89	4.44	32.33	54.00	-21.67	AVG
V	5802.5	00	35.23	6.34	41.57	74.00	-32.43	peak
V	5802.5	00	25.10	6.34	31.44	54.00	-22.56	AVG
Н	1467.5	00	40.38	0.45	40.83	74.00	-33.17	peak
Н	1467.5	00	29.57	0.45	30.02	54.00	-23.98	AVG
Н	1722.5	00	38.94	0.51	39.45	74.00	-34.55	peak
Н	1722.5	00	28.71	0.51	29.22	54.00	-24.78	AVG
Н	2147.5	00	38.81	0.70	39.51	74.00	-34.49	peak
Н	2147.5	00	28.88	0.70	29.58	54.00	-24.42	AVG
Н	2955.0	00	39.43	2.46	41.89	74.00	-32.11	peak
Н	2955.0	00	28.56	2.46	31.02	54.00	-22.98	AVG
Н	4230.0	00	37.71	4.30	42.01	74.00	-31.99	peak
Н	4230.0	00	26.02	4.30	30.32	54.00	-23.68	AVG
Н	5590.0	00	36.44	5.95	42.39	74.00	-31.61	peak
Н	5590.0	00	26.20	5.95	32.15	54.00	-21.85	AVG

Remark:

Result = Reading+ Correct, Over Limit = Result - Limit

Note: Only the worst results data points are reported in the report.

Other emissions are attenuated more than 20dB below the permissible limits, so it does not recorded in the report.

END OF REPORT