

FCC RADIO TEST REPORT-BLE FCC ID: 2ADFBFENIX

Product: Mobile phone

Trade Name: GeniusTouch

Model Name: FENIX

Serial Model: N/A

Report No.: NTEK-2015NT12213531F3

Prepared for

CELL TECH ELECTRONICS, INC.

2678 & 2680 NW 97TH AVE, DORAL MIAMI 33172, Florida, United States.

Prepared by

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TEST RESULT CERTIFICATION

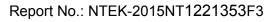
Report No.: NTEK-2015NT1221353F3

Applicant's name	CELL TECH ELE	ECTRONICS, INC.	
Address	. 2678 & 2680 NW 97TH AVE, DORAL MIAMI 33172, Florida, United States.		
Manufacture's Name	CELL TECH ELE	ECTRONICS, INC.	
Address	2678 & 2680 NW States.	/ 97TH AVE, DORAL MIAMI 33172, Florida, United	
Product description			
Product name	Mobile phone		
Model and/or type reference	FENIX		
Serial Model	N/A		
Standards	FCC Part15.247	: 01 Oct. 2015	
Test procedure	ANSI C63.10-20	13 and KDB 558074: June 5, 2014	
	UT) is in complian	sted by NTEK, and the test results show that the nce with the FCC requirements. And it is applicable only irt.	
•		ot in full, without the written approval of NTEK, this TEK, personnel only, and shall be noted in the revision of	
Date of Test			
		22 Dec. 2015 ~20 Jan. 2016	
Date of Issue			
Test Result			
Testing	g Engineer :	Jack Li)	
Techni	cal Manager :	Brown Ln	
Author	ized Signatory:	(Brown Lu) Sam. Chew	
		(Sam Chen)	



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247), Subpart C				
Standard Section	Test Item	Judgment	Remark	
15.207	Conducted Emission	PASS		
15.247 (a)(2)	6dB Bandwidth	PASS		
15.247 (b)	Peak Output Power	PASS		
15.247 (c)	Radiated Spurious Emission	PASS		
15.247 (d)	Power Spectral Density	PASS		
15.205	Band Edge Emission	PASS		
15.203	Antenna Requirement	PASS		

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

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

FCC Registration No.:238937; IC Registration No.:9270A-1

CNAS Registration No.:L5516

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 %.

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile phone		
Trade Name	GeniusTouch		
Model Name	FENIX		
Serial Model	N/A		
Model Difference	N/A		
Product Description	User's Manual, the El	2402~2480MHz GFSK 40CH Please see Note 3. 1.0dBi tion, features, or specification exhibited in UT is considered as an ITE/Computing of EUT technical specification, please	
Channel List	Please refer to the Note 2.		
Ratings	DC 5V		
Adapter	Model:FENIX Input: AC100-240V~, 50/60Hz, 0.15A Output: 5.0V, 700mA		
Battery	DC 3.7V, 2000mAh		
Connecting I/O Port(s)	Please refer to the User's Manual		

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.

Channel	Frequency (MHz)
00	2402
01	2404
38	2478
39	2480

3.	Table	e for Filed A	ntenna				
	Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
	Α	N/A	N/A	PIFA Antenna	N/A	1.0	BT Antenna



2.2 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	CH00
Mode 2	CH19
Mode 3	CH39
Mode 4	Link Mode

	For Conducted Emission
Final Test Mode	Description
Mode 4	Link Mode

For Radiated Emission		
Final Test Mode	Description	
Mode 1	CH00	
Mode 2	CH19	
Mode 3	CH39	
Mode 4	Link Mode	

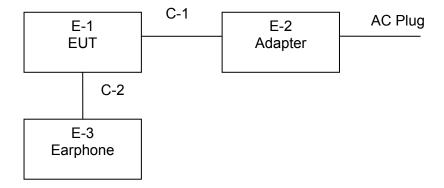
Note:

(1) The measurements are performed at the highest, middle, lowest available channels.



2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test 1



Radiated Spurious Emission Test

E-1 EUT



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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.

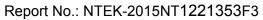
Report No.: NTEK-2015NT1221353F3

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	Mobile phone	GeniusTouch	FENIX	N/A	EUT
E-2	ADAPTER	N/A	WJT-SJ03	N/A	
E-3	Earphone	N/A	2688	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1.2m	
C-2	NO	NO	1.0m	

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.





2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Itaui	Tradiation rest equipment									
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period			
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2015.07.06	2016.07.05	1 year			
2	Test Receiver	R&S	ESPI	101318	2015.06.07	2016.06.06	1 year			
3	Bilog Antenna	TESEQ	CBL6111D	31216	2015.07.06	2016.07.05	1 year			
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2015.06.07	2016.06.06	1 year			
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2015.06.07	2016.06.06	1 year			
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2015.07.06	2016.07.05	1 year			
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2015.07.06	2016.07.05	1 year			
8	Amplifier	EM	EM-30180	060538	2015.07.06	2016.07.05	1 year			
9	Loop Antenna	ARA	PLA-1030/B	1029	2015.06.08	2016.06.07	1 year			
10	Power Meter	R&S	NRVS	100696	2015.07.06	2016.07.05	1 year			
11	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2015.07.06	2016.07.05	1 year			

Conduction Test equipment

Item	Kind of Equipment	Manufactu rer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2015.06.06	2016.06.05	1 year
2	LISN	R&S	ENV216	101313	2015.08.24	2016.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2015.08.24	2016.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2015.06.07	2016.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2015.06.07	2016.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2015.06.08	2016.06.07	1 year

1	Attenuation	MCE	24-10-34	BN9258	2015.06.08	2016.06.07	1 year	
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3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

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

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

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



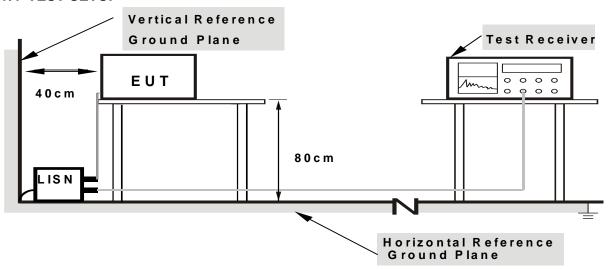
3.1.2 TEST PROCEDURE

- 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 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 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

3.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



3.1.6 TEST RESULTS

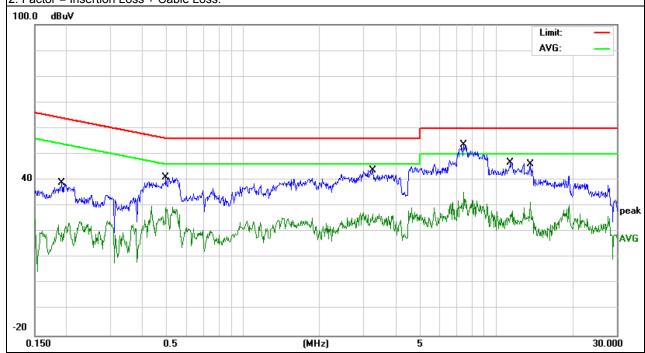
EUT:	Mobile phone	Model Name.:	FENIX
Temperature:	26 ℃	Relative Humidity:	56%
Pressure:	1010hPa	Phase :	L
LIAGI VANISAA	DC 5.0V form Adapter AC 120V/60Hz	Test Mode:	Mode 4

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Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.19	28.97	10.13	39.10	63.98	-24.88	QP
0.19	19.97	10.13	30.10	53.98	-23.88	AVG
0.49	31.29	9.81	41.10	56.10	-15.00	QP
0.49	14.06	9.81	23.87	46.10	-22.23	AVG
3.24	34.06	9.74	43.80	56.00	-12.20	QP
3.24	17.76	9.74	27.50	46.00	-18.50	AVG
7.45	43.83	9.77	53.60	60.00	-6.40	QP
7.45	25.44	9.77	35.21	50.00	-14.79	AVG
11.42	36.90	9.80	46.70	60.00	-13.30	QP
11.42	18.40	9.80	28.20	50.00	-21.80	AVG
13.67	36.26	9.84	46.10	60.00	-13.90	QP
13.67	21.75	9.84	31.59	50.00	-18.41	AVG

Remark:

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



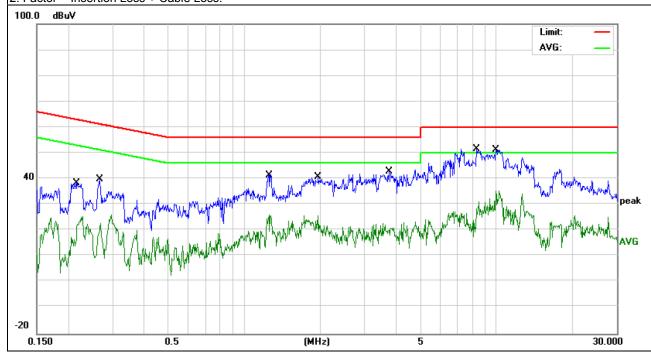


EUT:	Mobile phone	Model Name. :	FENIX
Temperature:	26 ℃	Relative Humidity:	56%
Pressure:	1010hPa	Phase :	N
LIDEL MULTAND.	DC 5.0V form Adapter AC 120V/60Hz	Test Mode:	Mode 4

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Domonic
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.22	28.46	10.04	38.50	62.96	-24.46	QP
0.22	16.04	10.04	26.08	52.96	-26.88	AVG
0.27	29.73	10.09	39.82	61.24	-21.42	QP
0.27	15.38	10.09	25.47	51.24	-25.77	AVG
1.25	31.66	9.84	41.50	56.00	-14.50	QP
1.25	16.10	9.84	25.94	46.00	-20.06	AVG
1.96	31.05	9.75	40.80	56.00	-15.20	QP
1.96	16.09	9.75	25.84	46.00	-20.16	AVG
3.76	33.18	9.72	42.90	56.00	-13.10	QP
3.76	13.16	9.72	22.88	46.00	-23.12	AVG
8.36	41.95	9.75	51.70	60.00	-8.30	QP
9.95	25.70	9.76	35.46	50.00	-14.54	AVG

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





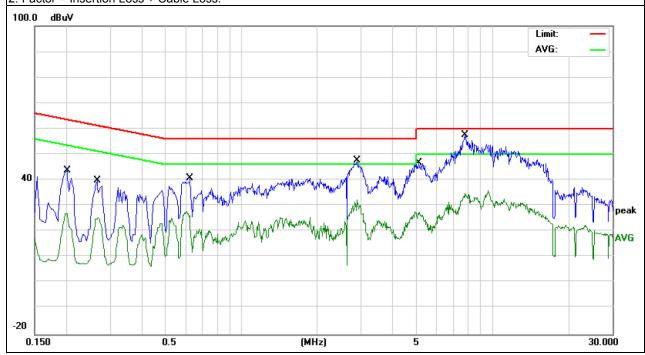
EUT:	Mobile phone	Model Name:	FENIX
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	L
I DEL MUITAND.	DC 5.0V from adapter AC 240V/60Hz	Test Mode:	Mode 4

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Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.20	33.58	10.13	43.71	63.52	-19.81	QP
0.20	16.92	10.13	27.05	53.52	-26.47	AVG
0.27	29.72	10.14	39.86	61.24	-21.38	QP
0.27	15.19	10.14	25.33	51.24	-25.91	AVG
0.63	30.93	9.79	40.72	56.00	-15.28	QP
0.63	18.07	9.79	27.86	46.00	-18.14	AVG
2.89	37.93	9.74	47.67	56.00	-8.33	QP
2.89	22.72	9.74	32.46	46.00	-13.54	AVG
5.06	37.08	9.76	46.84	60.00	-13.16	QP
5.06	18.19	9.76	27.95	50.00	-22.05	AVG
7.77	46.70	9.77	56.47	60.00	-3.53	QP
7.77	25.02	9.77	34.79	50.00	-15.21	AVG

Remark:

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





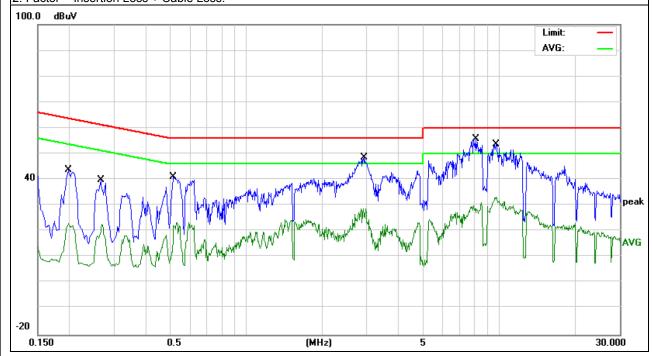
EUT:	Mobile phone	Model Name:	FENIX
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase:	N
LIDEL MULLAND.	DC 5.0V from adapter AC 240V/60Hz	Test Mode:	Mode 4

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Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.20	33.65	10.02	43.67	63.69	-20.02	QP
0.20	13.02	10.02	23.04	53.69	-30.65	AVG
0.27	29.73	10.09	39.82	61.24	-21.42	QP
0.27	12.53	10.09	22.62	51.24	-28.62	AVG
0.52	31.14	9.82	40.96	56.00	-15.04	QP
0.52	13.51	9.82	23.33	46.00	-22.67	AVG
2.93	38.71	9.74	48.45	56.00	-7.55	QP
2.93	19.14	9.74	28.88	46.00	-17.12	AVG
8.09	46.02	9.75	55.77	60.00	-4.23	QP
8.09	20.47	9.75	30.22	50.00	-19.78	AVG
9.72	43.86	9.76	53.62	60.00	-6.38	QP
9.72	23.48	9.76	33.24	50.00	-16.76	AVG

Remark:

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





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
FREQUENCT (IVITIZ)	PEAK	AVERAGE
Above 1000	74	54

Notes:

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

Spectrum Parameter	Setting	
Attenuation	Auto	
Start Frequency	1000 MHz	
Stop Frequency	10th carrier harmonic	
RB / VB (emission in restricted	1 Mile / 1 Mile for Dook 1 Mile / 10/le for Average	
band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average	

Receiver Parameter	Setting
Attenuation Auto	
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP



3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

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	Peak	1 MHz	10 Hz

3.2.3 DEVIATION FROM TEST STANDARD

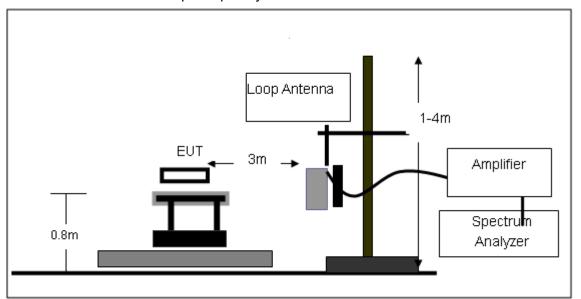
No deviation



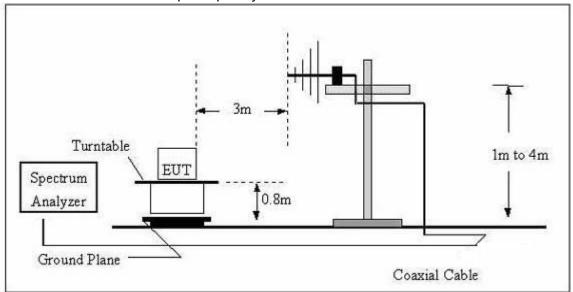


3.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

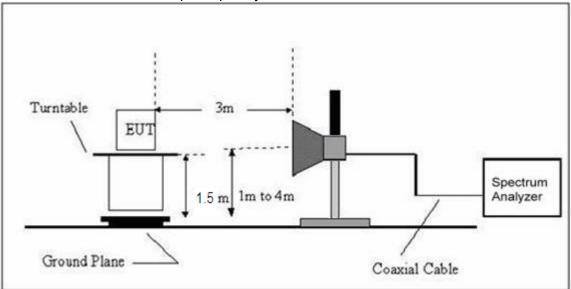


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





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3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



3.2.6 TEST RESULTS (BETWEEN 9KHZ - 30 MHZ)

EUT:	Mobile phone	Model Name.:	FENIX
Temperature:	20 ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX	Polarization:	

Report No.: NTEK-2015NT1221353F3

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				N/A
				N/A

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



3.2.7 TEST RESULTS (BETWEEN 30MHZ - 1GHZ)

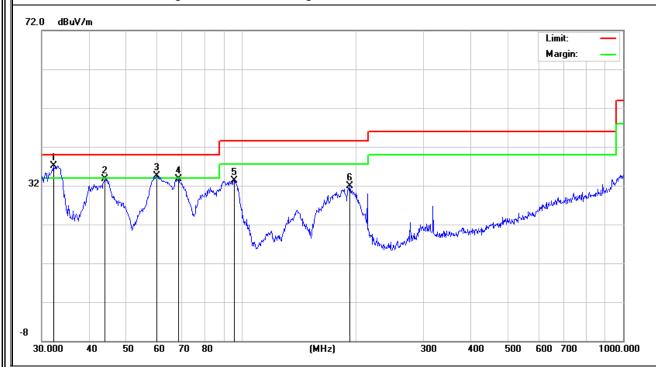
EUT:	Mobile phone	Model Name:	FENIX
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX-High CH		

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Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Roman
V	32.18	17.39	18.73	36.12	40.00	-3.88	QP
V	43.97	21.07	12.67	33.74	40.00	-6.26	QP
V	60.07	28.40	6.14	34.54	40.00	-5.46	QP
V	68.39	25.46	8.23	33.69	40.00	-6.31	QP
V	95.76	23.24	10.14	33.38	43.50	-10.12	QP
V	192.42	20.49	11.35	31.84	43.50	-11.66	QP

Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



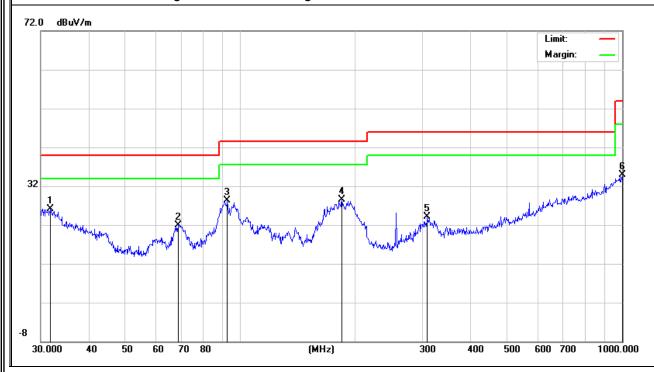


Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	31.84	7.26	18.91	26.17	40.00	-13.83	peak
Н	68.63	13.67	8.33	22.00	40.00	-18.00	peak
Н	92.46	18.31	9.95	28.26	43.50	-15.24	peak
Н	184.49	16.64	11.82	28.46	43.50	-15.04	peak
Н	308.91	11.08	12.97	24.05	46.00	-21.95	peak
Н	1000.00	7.08	27.76	34.84	54.00	-19.16	peak

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Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit





3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT:	Mobile phone	Model Name:	FENIX
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX		

The Testing have been conformed to 10*2480MHz=24800MHz, and the worst result was report as below:

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Frequency (MHz) Reading (dBμV/m) Remark (dBμV/m) Remark (dBμV/m) (dB) Remark (dBμV/m) (dB/m) (dB/	_	5 "	_ ,	Corrected				5.1
Low Channel (2402 MHz)-Above 1G	Frequency (MHz)	Reading (dBuV)	Factor	Amplitude	Limit	Margin	Remark	Polar
4804.336 61.62 -3.64 57.98 74.00 -16.02 Pk Vertical 4804.336 41.24 -3.64 37.60 54.00 -16.40 AV Vertical 7206.445 62.90 -0.95 61.95 74.00 -12.05 Pk Vertical 7206.445 40.54 -0.95 39.59 54.00 -14.41 AV Vertical 4804.529 64.96 -3.64 61.32 74.00 -12.68 Pk Horizontal 4804.529 41.74 -3.64 38.10 54.00 -15.90 AV Horizontal 7206.403 60.05 -0.95 59.10 74.00 -14.90 Pk Horizontal 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 57.08 74.00 -16.92 Pk Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk	(1411 12)	(авру)	(dB)	-	(αΒμν/m)	(dB)		(H/V)
4804.336 41.24 -3.64 37.60 54.00 -16.40 AV Vertical 7206.445 62.90 -0.95 61.95 74.00 -12.05 Pk Vertical 7206.445 40.54 -0.95 39.59 54.00 -14.41 AV Vertical 4804.529 64.96 -3.64 61.32 74.00 -12.68 Pk Horizontal 7206.403 60.05 -0.95 59.10 74.00 -14.90 Pk Horizontal 7206.403 40.52 -0.95 39.57 54.00 -14.43 AV Horizontal 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 57.08 74.00 -14.56 Pk			Low Cha	nnel (2402 MHz	z)-Above 1G	i		
7206.445 62.90 -0.95 61.95 74.00 -12.05 Pk Vertical 7206.445 40.54 -0.95 39.59 54.00 -14.41 AV Vertical 4804.529 64.96 -3.64 61.32 74.00 -12.68 Pk Horizontal 4804.529 41.74 -3.64 38.10 54.00 -15.90 AV Horizontal 7206.403 60.05 -0.95 59.10 74.00 -14.90 Pk Horizontal 7206.403 40.52 -0.95 39.57 54.00 -14.43 AV Horizontal 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 57.08 74.00 -14.56 Pk Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk	4804.336	61.62	-3.64	57.98	74.00	-16.02	Pk	Vertical
7206.445 40.54 -0.95 39.59 54.00 -14.41 AV Vertical 4804.529 64.96 -3.64 61.32 74.00 -12.68 Pk Horizontal 4804.529 41.74 -3.64 38.10 54.00 -15.90 AV Horizontal 7206.403 60.05 -0.95 59.10 74.00 -14.90 Pk Horizontal Mid Channel (2440 MHz)-Above 1G Wid Channel (2440 MHz)-Above 1G 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 38.69 54.00 -15.31 AV Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal	4804.336	41.24	-3.64	37.60	54.00	-16.40	AV	Vertical
4804.529 64.96 -3.64 61.32 74.00 -12.68 Pk Horizontal 4804.529 41.74 -3.64 38.10 54.00 -15.90 AV Horizontal 7206.403 60.05 -0.95 59.10 74.00 -14.90 Pk Horizontal Mid Channel (2440 MHz)-Above 1G 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 38.69 54.00 -15.31 AV Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 4880.44 64.52 -3.64 60.88 74.00 -12.25 AV Vertical 4880.44 41.35 -3.64 37.71 54.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 6	7206.445	62.90	-0.95	61.95	74.00	-12.05	Pk	Vertical
4804.529 41.74 -3.64 38.10 54.00 -15.90 AV Horizontal 7206.403 60.05 -0.95 59.10 74.00 -14.90 Pk Horizontal 7206.403 40.52 -0.95 39.57 54.00 -14.43 AV Horizontal Mid Channel (2440 MHz)-Above 1G 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 38.69 54.00 -15.31 AV Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 64.52 -3.64 60.88 74.00 -16.29 AV Horizontal 4880.45 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal 7320.551 61.90 -3.64 <td< td=""><td>7206.445</td><td>40.54</td><td>-0.95</td><td>39.59</td><td>54.00</td><td>-14.41</td><td>AV</td><td>Vertical</td></td<>	7206.445	40.54	-0.95	39.59	54.00	-14.41	AV	Vertical
7206.403 60.05 -0.95 59.10 74.00 -14.90 Pk Horizontal 7206.403 40.52 -0.95 39.57 54.00 -14.43 AV Horizontal Mid Channel (2440 MHz)-Above 1G 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 38.69 54.00 -15.31 AV Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 7320.344 42.70 -0.95 41.75 54.00 -12.25 AV Vertical 4880.44 64.52 -3.64 60.88 74.00 -16.29 AV Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal 4960.384 62.96 -3.64	4804.529	64.96	-3.64	61.32	74.00	-12.68	Pk	Horizontal
7206.403 40.52 -0.95 39.57 54.00 -14.43 AV Horizontal Mid Channel (2440 MHz)-Above 1G 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 38.69 54.00 -15.31 AV Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 7320.344 42.70 -0.95 41.75 54.00 -12.25 AV Vertical 4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87	4804.529	41.74	-3.64	38.10	54.00	-15.90	AV	Horizontal
Mid Channel (2440 MHz)-Above 1G 4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 38.69 54.00 -15.31 AV Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 7320.344 42.70 -0.95 41.75 54.00 -12.25 AV Vertical 4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal 7320.551 44.84 -0.95 43.89 54.00 -10.11 AV Horizontal 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4403.317 61.39 -0.95 60	7206.403	60.05	-0.95	59.10	74.00	-14.90	Pk	Horizontal
4880.381 60.72 -3.64 57.08 74.00 -16.92 Pk Vertical 4880.381 42.33 -3.64 38.69 54.00 -15.31 AV Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 7320.344 42.70 -0.95 41.75 54.00 -12.25 AV Vertical 4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk	7206.403	40.52	-0.95	39.57	54.00	-14.43	AV	Horizontal
4880.381 42.33 -3.64 38.69 54.00 -15.31 AV Vertical 7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 7320.344 42.70 -0.95 41.75 54.00 -12.25 AV Vertical 4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk			Mid Cha	nnel (2440 MHz	z)-Above 1G			
7320.344 60.39 -0.95 59.44 74.00 -14.56 Pk Vertical 7320.344 42.70 -0.95 41.75 54.00 -12.25 AV Vertical 4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal High Channel (2480MHz)- Above 1G High Channel (2480MHz)- Above 1G 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical	4880.381	60.72	-3.64	57.08	74.00	-16.92	Pk	Vertical
7320.344 42.70 -0.95 41.75 54.00 -12.25 AV Vertical 4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal 7320.551 44.84 -0.95 43.89 54.00 -10.11 AV Horizontal High Channel (2480MHz)- Above 1G 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 <td< td=""><td>4880.381</td><td>42.33</td><td>-3.64</td><td>38.69</td><td>54.00</td><td>-15.31</td><td>AV</td><td>Vertical</td></td<>	4880.381	42.33	-3.64	38.69	54.00	-15.31	AV	Vertical
4880.44 64.52 -3.64 60.88 74.00 -13.12 Pk Horizontal 4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal High Channel (2480MHz)- Above 1G 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	7320.344	60.39	-0.95	59.44	74.00	-14.56	Pk	Vertical
4880.44 41.35 -3.64 37.71 54.00 -16.29 AV Horizontal 7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal High Channel (2480MHz)- Above 1G High Channel (2480MHz)- Above 1G 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	7320.344	42.70	-0.95	41.75	54.00	-12.25	AV	Vertical
7320.551 61.90 -0.95 60.95 74.00 -13.05 Pk Horizontal 7320.551 44.84 -0.95 43.89 54.00 -10.11 AV Horizontal High Channel (2480MHz)- Above 1G 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	4880.44	64.52	-3.64	60.88	74.00	-13.12	Pk	Horizontal
7320.551 44.84 -0.95 43.89 54.00 -10.11 AV Horizontal High Channel (2480MHz)- Above 1G 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	4880.44	41.35	-3.64	37.71	54.00	-16.29	AV	Horizontal
High Channel (2480MHz)- Above 1G 4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	7320.551	61.90	-0.95	60.95	74.00	-13.05	Pk	Horizontal
4960.384 62.96 -3.64 59.32 74.00 -14.68 Pk Vertical 4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	7320.551	44.84	-0.95	43.89	54.00	-10.11	AV	Horizontal
4960.384 42.51 -3.64 38.87 54.00 -15.13 AV Vertical 7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal			High Cha	innel (2480MHz	:)- Above 1G	;		
7440.317 61.39 -0.95 60.44 74.00 -13.56 Pk Vertical 7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	4960.384	62.96	-3.64	59.32	74.00	-14.68	Pk	Vertical
7440.317 47.03 -0.95 46.08 54.00 -7.92 AV Vertical 4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	4960.384	42.51	-3.64	38.87	54.00	-15.13	AV	Vertical
4960.573 61.69 -3.64 58.05 74.00 -15.95 Pk Horizontal 4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	7440.317	61.39	-0.95	60.44	74.00	-13.56	Pk	Vertical
4960.573 40.46 -3.64 36.82 54.00 -17.18 AV Horizontal 7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	7440.317	47.03	-0.95	46.08	54.00	-7.92	AV	Vertical
7440.43 61.30 -0.95 60.35 74.00 -13.65 Pk Horizontal	4960.573	61.69	-3.64	58.05	74.00	-15.95	Pk	Horizontal
	4960.573	40.46	-3.64	36.82	54.00	-17.18	AV	Horizontal
7440.43 40.82 -0.95 39.87 54.00 -14.13 AV Horizontal	7440.43	61.30	-0.95	60.35	74.00	-13.65	Pk	Horizontal
	7440.43	40.82	-0.95	39.87	54.00	-14.13	AV	Horizontal

Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



Radiated band edge:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	Comment
2390	60.14	-13.06	47.08	74.00	-26.92	peak	Vertical
2390	59.28	-13.06	46.22	74.00	-27.78	peak	Horizontal
2483.5	60.85	-12.78	48.07	74.00	-25.93	peak	Vertical
2483.5	60.37	-12.78	47.59	74.00	-26.41	peak	Horizontal

Note: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



4. POWER SPECTRAL DENSITY TEST

4.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C							
Section	Test Item	Limit	Frequency Range (MHz)	Result			
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS			

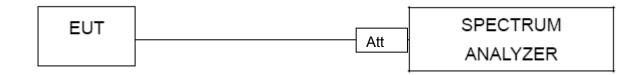
4.1.1 TEST PROCEDURE

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS channel bandwidth.
- 3. 3 kHz ≤Set the RBW≤100 kHz.
- 4. Set the VBW \geq 3 x RBW.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

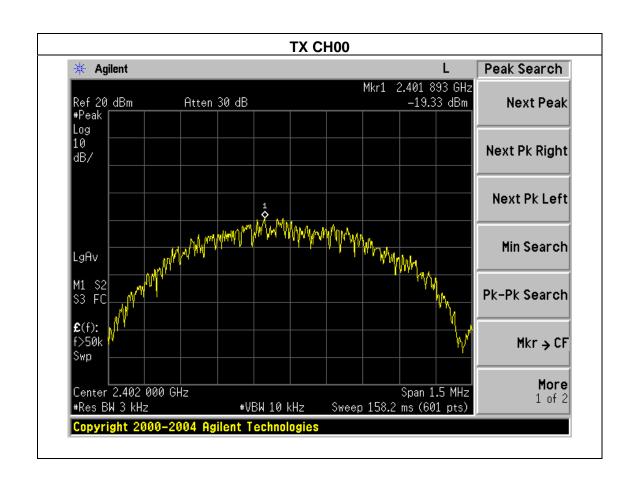


4.1.5 TEST RESULTS

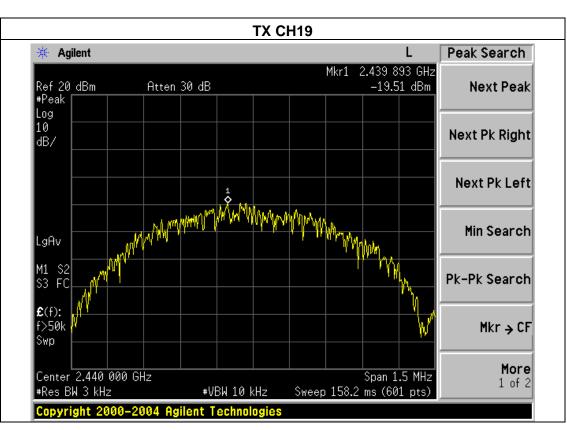
EUT:	Mobile phone	Model Name:	FENIX
Temperature:	25 ℃	Relative Humidity:	56%
Pressure:	1015 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX Mode /CH00, CH19, CH39		

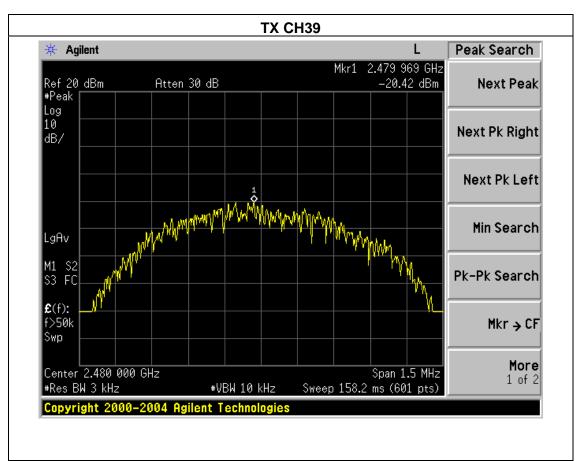
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Frequency	Power Density (dBm/3KHz)	Limit (dBm/3KHz)	Result
2402 MHz	-19.33	8	PASS
2440 MHz	-19.51	8	PASS
2480 MHz	-20.42	8	PASS











5. BANDWIDTH TEST

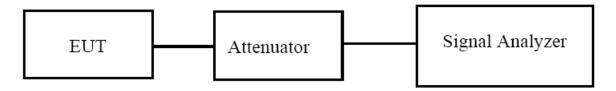
5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C							
Section	Test Item	Limit	Frequency Range (MHz)	Result			
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS			

5.1.1 TEST PROCEDURE

- 1. Set RBW = 100 kHz.
- 2. Set the video bandwidth (VBW) \geq 3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

TEST SETUP



5.1.2 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

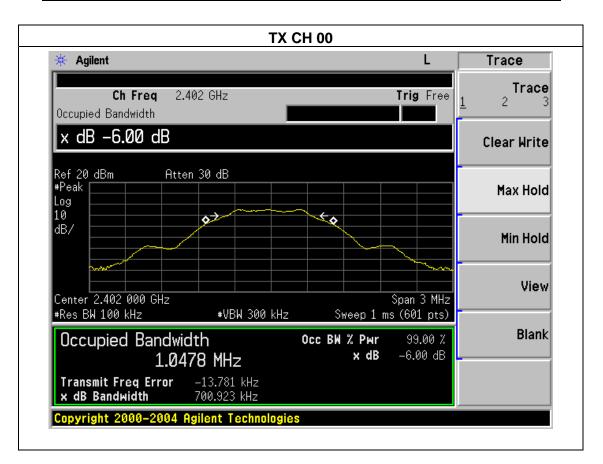


5.1.3 TEST RESULTS

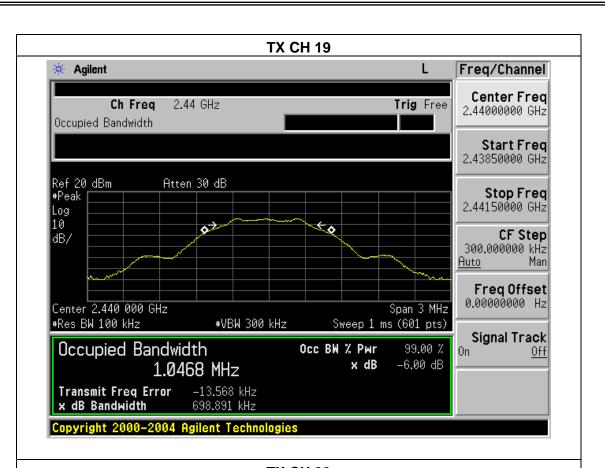
EUT:	Mobile phone	Model Name:	FENIX
Temperature:	25 ℃	Relative Humidity:	56%
Pressure:	1012 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX Mode /CH00, CH19, CH39		

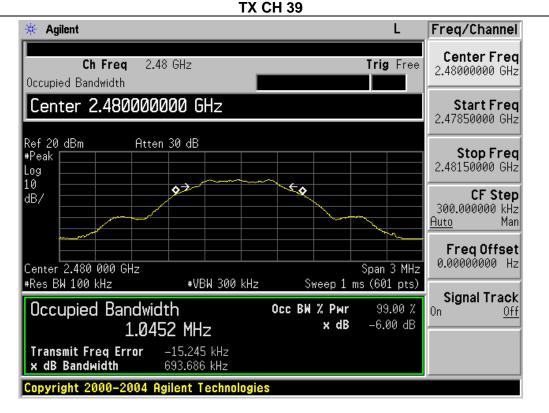
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Channel	Frequency (MHz)	6dB bandwidth (kHz)	Limit (kHz)	Result
Low	2402	700.923	500	Pass
Middle	2440	698.891	500	Pass
High	2480	693.686	500	Pass











6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C							
Section	Test Item	Limit	Frequency Range (MHz)	Result			
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS			

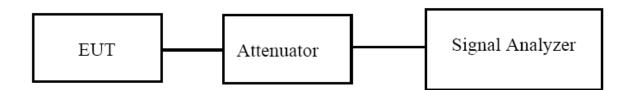
6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the Power meter

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

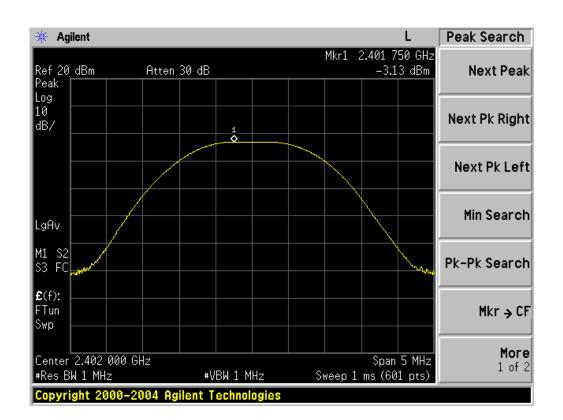


6.1.5 TEST RESULTS

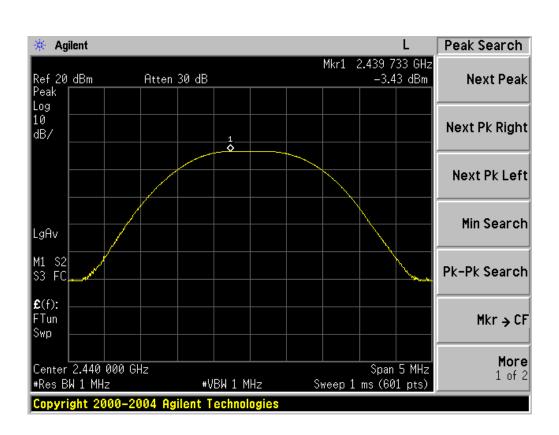
EUT:	Mobile phone	Model Name:	FENIX
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage:	DC 3.7V
Test Mode:	TX Mode		

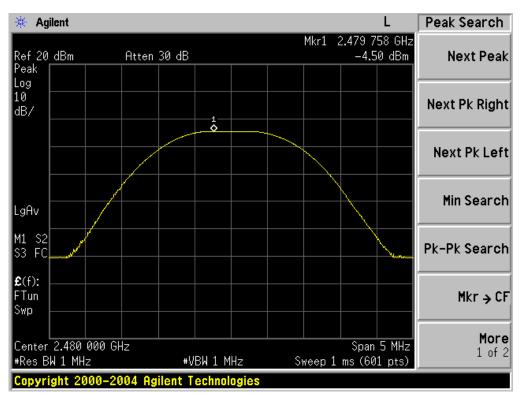
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		Maximum	
Test	Frequency	Conducted Output	LIMIT
Channe		Power(PK)	
	(MHz)	(dBm)	dBm
CH00	2402	-3.13	30
CH19	2440	-3.43	30
CH39	2480	-4.50	30











7. 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE APPLICABLE STANDARD

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

TEST PROCEDURE

- a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- c) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- d) Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- e) Repeat above procedures until all measured frequencies were complete.

7.1 DEVIATION FROM STANDARD

No deviation.

7.2 TEST SETUP



7.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



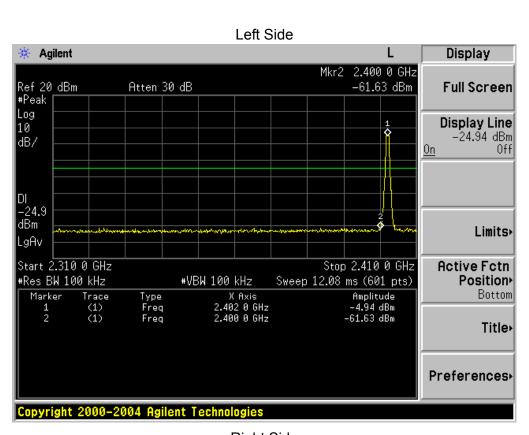
7.4 TEST RESULTS

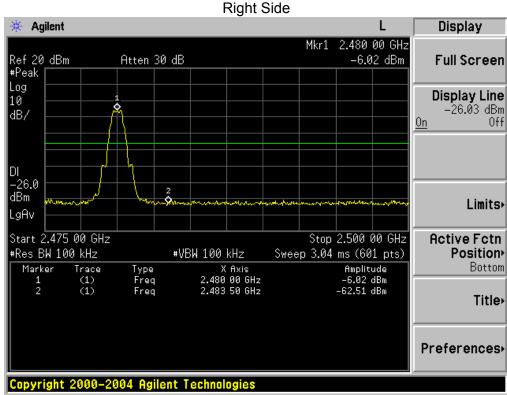
EUT:	Mobile phone	Model Name:	FENIX
Temperature:	25 ℃	Relative Humidity:	56%
Pressure:	1012 hPa	Test Voltage:	DC 3.7V

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Frequency Band	Delta Peak to band emission (dBc)	>Limit (dBc)	Result			
Left-band	61.63	20	Pass			
Right-band	62.51	20	Pass			









8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 EUT ANTENNA

			permanent								



9. EUT TEST PHOTO



