FCC Test Report

Report No.: FC511301-21

Testing Laboratory 2627

APPLICANT : TCL Communication Ltd

EQUIPMENT : GSM Quad-band / UMTS Quad-band / LTE

4 band mobile phone

BRAND NAME : ALCATEL ONETOUCH

MODEL NAME : 60450

MARKETING NAME : ALCATEL ONETOUCH IDOL 3 (5.5)

FCC ID : 2ACCJN005

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION : Certification

The product was completed on Aug. 25, 2015. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2009 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.

Reviewed by: Louis Wu / Manager

Lunis Wu

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (KUNSHAN) INC. No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China

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 Report Issued Date
 : Aug. 27, 2015

 FAX: 86-0512-5790-0958
 Report Version
 : Rev. 01

FCC ID: 2ACCJN005

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC511301-21	Rev. 01	Initial issue of report	Aug. 27, 2015

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	3.09 dB at
					0.550 MHz
					Under limit
3.2	15.109 Radiated Emission	< 15.109 limits	PASS	4.87 dB at	
3.2		Radiated Emission	< 15.109 III1IIIS	PASS	240.490 MHz
					for Quasi-Peak

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1. General Description

1.1. Applicant

TCL Communication Ltd

FLAT/RM 1910-12A BLOCK 3 19/F CHINA HONG KONG CITY 33 CANTON ROAD TSIMSHATSUI KL

1.2. Manufacturer

TCL Communication Ltd

FLAT/RM 1910-12A BLOCK 3 19/F CHINA HONG KONG CITY 33 CANTON ROAD TSIMSHATSUI KL

1.3. Product Feature of Equipment Under Test

Product Feature				
Equipment	GSM Quad-band / UMTS Quad-band / LTE 4 band mobile			
1 P	phone			
Brand Name	ALCATEL ONETOUCH			
Model Name	6045O			
Marketing Name	ALCATEL ONETOUCH IDOL 3 (5.5)			
FCC ID	2ACCJN005			
	GSM/GPRS/EGPRS/WCDMA/HSPA/			
	HSPA+(Downlink Only)/LTE/NFC/			
EUT supports Radios application	WLAN2.4GHz 802.11b/g/n HT20/			
	WLAN 5GHz 802.11a/n HT20/HT40/			
	Bluetooth v3.0+EDR/Bluetooth v4.1 LE			
IMEI Code	Conduction: 014497000004327			
livier code	Radiation: 014497000004012			
HW Version	03			
SW Version	5A18			
EUT Stage	Identical Prototype			

Remark:

The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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1.4. Product Specification subjective to this standard

Product Specification subjective to this standard				
Tx Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band IV: 1712.4 MHz ~ 1752.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz 802.11a/n: 5180 MHz ~ 5240 MHz;5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz			
Rx Frequency	GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band IV: 2112.4 MHz ~ 2152.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz 802.11a/n: 5180 MHz ~ 5240 MHz; 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz GPS: 1.57542 GHz Glonass: 1602 MHz + n× 0.5625MHz (n=-7,-6,-5,0,,6) NFC: 13.56 MHz			

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Product Specification subjective to this standard				
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass: IFA Antenna NFC: Loop Antenna			
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE:GMSK / 8PSK WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) HSPA+: 16QAM (Downlink Only) LTE: QPSK / 16QAM 802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth v4.1 LE: GFSK Bluetooth (1Mbps): GFSK Bluetooth (2Mbps): \pi /4-DQPSK Bluetooth (3Mbps): 8-DPSK GPS / Glonass: BPSK NFC: ASK			

1.5. Modification of EUT

No modifications are made to the EUT during all test items.

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1.6. Test Location

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.				
	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China				
Test Site Location	TEL: +86-0512-5790-0158				
	FAX: +86-0512-5790-0958				
Toot Site No.	Sporton Site No.		FCC Registration No.		
Test Site No.	CO01-KS	03CH02-KS	418269		

1.7. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC 47 CFR FCC Part 15 Subpart B
- ANSI C63.4-2009

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

1.8. Accessories and Support Equipment

Specification of Accessory					
AC Adoptor	Brand Name	ALCATEL ONETOUCH	Model Name	UC13US	
AC Adapter	Power Rating	I/P: 100-240Vac, 500mA, O/P: 5Vdc, 2000mA			
	P/N	CBA0059AG1C1			
Dettem	Brand Name	ALCATEL ONETOUCH	Model Name	TLp029A2-S	
Battery	Power Rating	3.8Vdc, 2910mAh			
	P/N	C2910002C2YHVOJE			
USB Cable	Brand Name	ALCATEL Model Name CDA0000043		CDA0000043C2	
	Signal Line Type	1.10m shielded without core			

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2. Test Configuration of Equipment Under Test

2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2009 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

The following tables are showing the test modes as the worst cases and recorded in this report.

		Test Condition			
Item	EUT Configuration		ЕМІ	EMI	
		AC	RE<1G	RE≥1G	
1.	Charging Mode (EUT with adapter)	\boxtimes	\boxtimes	Note 1	
2.	Data application transferred mode		\square		
۷.	(EUT connected with notebook)				

Abbreviations:

EMI AC: AC conducted emissions

EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz

• EMI RE < 1G: EUT radiated emissions < 1GHz

Note 1: Testing for this mode is not required or not the worst case.

Remark: For signal above 1GHz, the worst case was test item 2.

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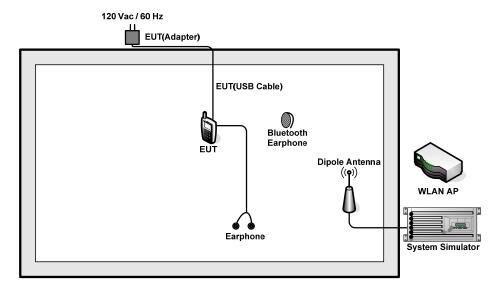
Test Items	EUT Configure Mode	Function Type
		Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle(2.4G) + USB Cable(Charging from Adapter) + Battery + Earphone + Camera <fig.1></fig.1>
		Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN Idle(5G) + USB Cable (Charging from Adapter) + Battery + Earphone + MPEG4 <fig.1></fig.1>
AC Conducted Emission	1/2	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle(2.4G) + USB Cable (Charging from Adapter) + Battery + Earphone + NFC On <fig.1></fig.1>
		Mode 4: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle(5G) + USB Cable (Charging from Adapter) + Battery + Earphone + Glonass Rx <fig.2></fig.2>
		Mode 5: LTE Band 4 Idle + Bluetooth Idle + WLAN Idle(2.4G) + USB Cable(Data Link with Notebook) + Battery + Earphone + GPS Rx <fig.3></fig.3>
		Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle(2.4G) + USB Cable (Charging from Adapter) + Battery + Earphone + Camera <fig.1></fig.1>
		Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN Idle(5G) + USB Cable (Charging from Adapter) + Battery + Earphone + MPEG4 <fig.1></fig.1>
Radiated Emissions < 1GHz	Hz 1/2 N	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle(2.4G) + USB Cable (Charging from Adapter) + Battery + Earphone + NFC On <fig.1></fig.1>
		Mode 4: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle(5G) + USB Cable (Charging from Adapter) + Battery + Earphone + Glonass Rx <fig.2></fig.2>
		Mode 5: LTE Band 4 Idle + Bluetooth Idle + WLAN Idle(2.4G) + USB Cable (Data Link with Notebook) + Battery + Earphone + GPS Rx <fig.3></fig.3>
Radiated Emissions ≥ 1GHz	2	Mode 1: LTE Band 4 Idle + Bluetooth Idle + WLAN Idle(2.4G) + USB Cable (Data Link with Notebook) + Battery + Earphone + GPS Rx <fig.3></fig.3>
L .		

Remark:

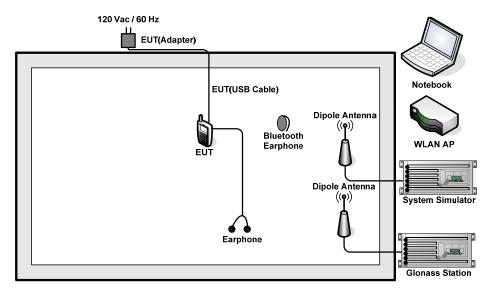
- 1. The worst case of AC is mode 1; and the USB Link mode of AC is mode 5, the test data of these modes were reported.
- 2. The worst case of RE < 1G is mode 5; only the test data of this mode was reported.
- 3. Link with Notebook means data application transferred mode between EUT and Notebook.

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2.2. Connection Diagram of Test System



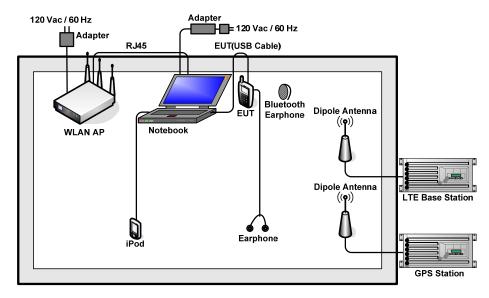
<Fig.1>



<Fig.2>

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<Fig.3>

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2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	R&S	CMU200	N/A	N/A	Unshielded, 1.8 m
3.	GPS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
4.	Glonass Station	RACELOGIC	RLLS03-2RP	N/A	N/A	Unshielded, 1.8 m
5.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
6.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
7.	Bluetooth Earphone	Lenovo	LBH301	N/A	N/A	N/A
8.	Notebook	Lenovo	G480	PRC4	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
9.	iPod	Apple	A1199	FCC DoC	Unshielded, 1.2 m	N/A
10.	Earphone	Lenovo	BH102	N/A	Unshielded, 1.0 m	N/A

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2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE idle mode during the testing. The EUT was synchronized to the BCCH, and was in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

- 1. Data application is transferred between Notebook and EUT via USB cable.
- 2. Turn on camera to capture images.
- 3. Turn on GPS/Glonass function to make the EUT receive continuous signals from GPS/Glonass station.
- 4. Turn on camera to capture images.
- 5. Turn on NFC function

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3. Test Result

Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission	Conducted	limit (dBuV)
(MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

^{*}Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN). 2.
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 microhenry LISN should be used. 5.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 8. 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

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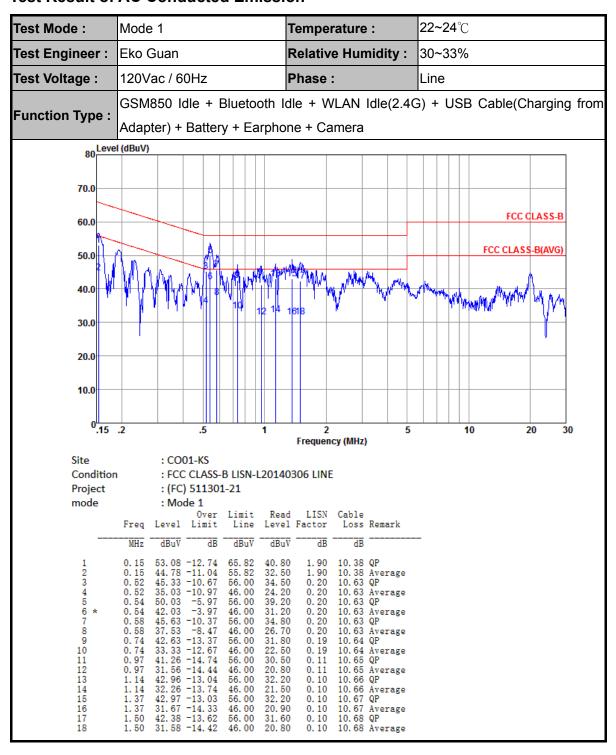
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3.1.4 Test Setup



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3.1.5 Test Result of AC Conducted Emission



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Test Mode :	Mode 1			mperature):	22~24 ℃		
Test Engineer :	Eko Guan			elative Humidity: 30~33%				
Test Voltage :	120Vac / 60I	Нz	Pha	Phase :		Neutral		
Function Type :	GSM850 Idle	e + Bluetooth	Idle	dle + WLAN Idle(2.4G) + USB Cable(Charging fro				harging from
runction type.	Adapter) + B	attery + Earp	hone -	+ Camera				
80 Level	(dBuV)							
70.0								
60.0							FCC C	LASS-B
50.0		la la					FCC CLASS	-B(AVG)
50.0		AN X Jan	An/9~A	18.0	4			
40.0	Malla Mi		1012	14 14	The second	Manager Color		
30.0	M. M. d. A.				1	A Links	Markapalitan (halipara)	MAA
·							1111	
20.0								
10.0								
0								
⁰ .15	.2	.5 1	Fre	2 equency (MHz)	5	1	0 2	20 30
Site Condition	: CO01-	-KS LASS-B LISN-N20	1/0306	6 NELITRAL				
Project		11301-21	140300	ONLOTIVAL				
mode	: Mode							
	Freq Level L			LISN Cable ctor Loss	Remark			
	MHz dBuV	dB dBuV d	BuV	dB dB		-		
1 2				0. 29 10. 63 0. 29 10. 63	QP Average			
3 4 *	0.55 47.81 -	8. 19 56. 00 36 3. 09 46. 00 32	.90 (0. 28 10. 63 0. 28 10. 63	QP			
5 6	0.59 45.18 -1	.0.82 56.00 34 6.62 46.00 28	. 30	0. 25 10. 63 0. 25 10. 63 0. 25 10. 63	QP			
7	1.14 42.26 -1	3.74 56.00 31	.50 (0.10 10.66	QP			
8 9	1.36 42.97 -1	9.74 46.00 28 3.03 56.00 32	. 20 (0. 10 10. 66 0. 10 10. 67	QP			
10 11	1.52 42.58 -1	9.03 46.00 26 3.42 56.00 31 9.12 46.00 26	. 80 (0.10 10.67 0.10 10.68 0.10 10.68	QP			
12 13 14	1.72 41.59 -1	.4. 41 56. 00 26 .0. 01 46. 00 28	. 80 (0.10 10.68 0.10 10.69 0.10 10.69	QP			
				20.00				

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Test Mode :	Mode 5	Temperature :	22~24 ℃		
Test Engineer :	Eko Guan	Relative Humidity :	30~33%		
Test Voltage :	120Vac / 60Hz	Phase :	Line		
Function Type :	LTE Band 4 Idle + Bluetooth	Idle + WLAN Idle(2.4	G) + USB Cable(Data Link with		
r diletion Type :	Notebook) + Battery + Earph	none + GPS Rx			
80 Leve	el (dBuV)				
70.0					
70.0					
60.0			FCC CLASS-B		
50.0			FCC CLASS-B(AVG)		
المالم					
40.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A		
30.0		Marine Ma	MMM.A.		
20.0		· V	Mark Market Market		
10.0					
0 <mark>.15</mark>	.2 .5 1	2 5	10 20 30		
Site	: CO01-KS	Frequency (MHz)			
Condition	: FCC CLASS-B LISN-L2014	0306 LINE			
Project	: (FC) 511301-21				
	Over Limit Rea Freq Level Limit Line Leve	d LISN Cable 1 Factor Loss Remark			
	MHz dBuV dB dBuV dBu	V dB dB	-		
1 2 3	0.16 36.45 -28.93 65.38 24.36 0.16 24.55 -30.83 55.38 12.46 0.19 33.33 -30.78 64.11 21.76	0 1.75 10.40 Average			
4 5	0. 19 21. 83 -32. 28 54. 11 10. 20 0. 20 35. 02 -28. 69 63. 71 23. 50	0 1.15 10.48 Average			
6 7 8	0.20 24.62 -29.09 53.71 13.10 0.25 28.90 -32.79 61.69 17.50 0.25 22.00 -29.69 51.69 10.60	0 1.02 10.50 Average 0 0.87 10.53 QP			
9 10 *	0.45 36.27 -20.66 56.93 25.40 0.45 33.67 -13.26 46.93 22.80	0 0.25 10.62 QP 0 0.25 10.62 Average			
11 12	0. 47 36. 15 -20. 34 56. 49 25. 30 0. 47 30. 45 -16. 04 46. 49 19. 60	0 0.23 10.62 QP 0 0.23 10.62 Average			

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Test Mode :	Mode 5	Temperature :	22~24 ℃		
Test Engineer :	Eko Guan	Relative Humidity :	30~33%		
Test Voltage :	120Vac / 60Hz	Phase :	Neutral		
Function Type :	LTE Band 4 Idle + Bluetooth	n Idle + WLAN Idle(2.4	G) + USB Cable(Data Link with		
i diretion Type :	Notebook) + Battery + Earph	none + GPS Rx			
80 Leve	el (dBuV)				
70.0					
70.0					
60.0			FCC CLASS-B		
50.0			FCC CLASS-B(AVG)		
	hu.				
40.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	July July	Λ		
30.0		Markite hard from the filter from the state of the state	Market Market		
20.0	A ME AND	y y	Mary Mary Mary Mary		
			lidado.		
10.0					
0.15	.2 .5 1	2 5	10 20 30		
Site	Frequency (MHz) : CO01-KS				
Condition	: FCC CLASS-B LISN-N2014	0306 NEUTRAL			
Project	: (FC) 511301-21				
	Over Limit Rea Freq Level Limit Line Leve	d LISN Cable 1 Factor Loss Remark			
	MHz dBuV dB dBuV dBu	V dB dB	-		
1 2 2	0.16 36.32 -29.11 65.43 24.2 0.16 25.32 -30.11 55.43 13.2	0 1.73 10.39 Average			
3 4 5	0.24 29.04 -33.09 62.13 17.6 0.24 22.24 -29.89 52.13 10.8 0.37 30.86 -27.57 58.43 19.8	0 0.92 10.52 Average			
6 7	0. 37 29. 76 -18. 67 48. 43 18. 7 0. 45 32. 77 -24. 16 56. 93 21. 8	0 0.45 10.61 Average 0 0.35 10.62 QP			
8 9 10 *	0. 45 28. 47 -18. 46 46. 93 17. 5 0. 47 37. 15 -19. 34 56. 49 26. 2 0. 47 32. 75 -13. 74 46. 49 21. 8	1 0.32 10.62 Average			
11 12	4. 48 31. 33 -24. 67 56. 00 20. 3 4. 48 26. 33 -19. 67 46. 00 15. 3	0 0.19 10.84 QP			

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3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency	Field Strength	Measurement Distance	
(MHz)	(microvolts/meter)	(meters)	
30 – 88	100	3	
88 – 216	150	3	
216 - 960	200	3	
Above 960	500	3	

3.2.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiation.
- 4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- 5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- 6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
- 7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
- 8. Emission level (dB μ V/m) = 20 log Emission level (μ V/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

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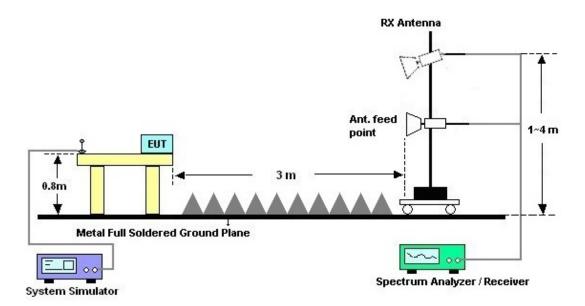
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3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz

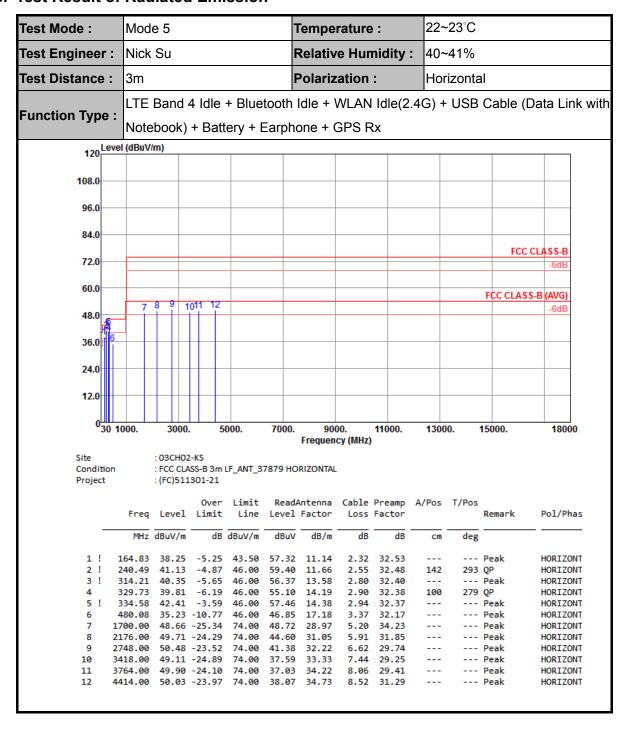


For radiated emissions above 1GHz



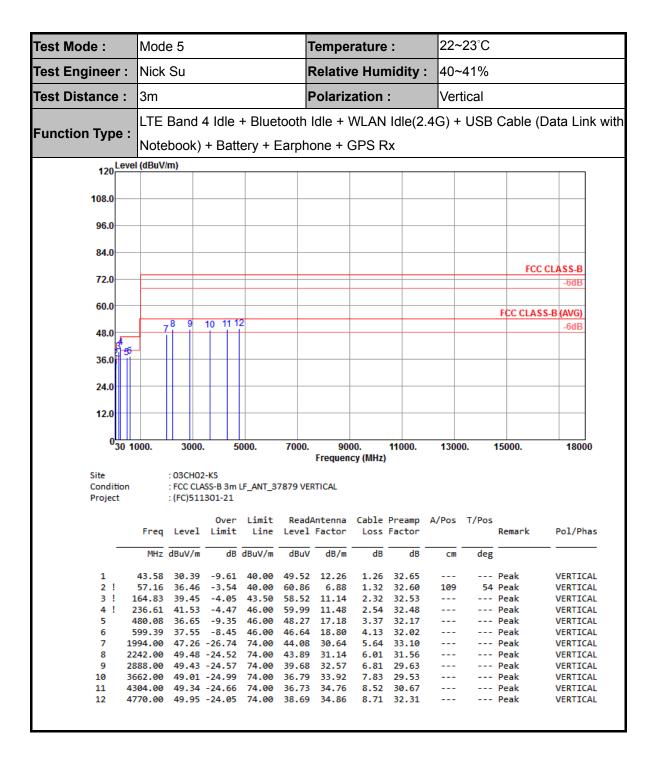
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3.2.5. Test Result of Radiated Emission



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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz; Max 30dBm	Sep. 29, 2014	Aug. 25, 2015	Sep. 28, 2015	Radiation (03CH02-KS)
Spectrum Analyzer	R&S	FSV40	101040	10kHz~40GHz; Max 30dBm	Sep. 25, 2014	Aug. 25, 2015	Sep. 24, 2015	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	37879	30MHz~2GHz	Sep. 13, 2014	Aug. 25, 2015	Sep. 12, 2015	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 08, 2014	Aug. 25, 2015	Nov. 07, 2015	Radiation (03CH02-KS)
Amplifier	com-power	PA-103A	161069	1kHz~1000MHz / 32 dB	May 04, 2015	Aug. 25, 2015	May 03, 2016	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A02384	1GHz~26.5GHz Gain 30dB	Oct. 28, 2014	Aug. 25, 2015	Oct. 27, 2015	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Aug. 25, 2015	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Aug. 25, 2015	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Aug. 25, 2015	NCR	Radiation (03CH02-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz	May 04, 2015	Aug. 12, 2015	May 03, 2016	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 25, 2014	Aug. 12, 2015	Oct. 24, 2015	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 25, 2014	Aug. 12, 2015	Oct. 24, 2015	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 25, 2014	Aug. 12, 2015	Oct. 24, 2015	Conduction (CO01-KS)

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5. Uncertainty of Evaluation

<u>Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)</u>

Measuring Uncertainty for a Level of	0.04D
Confidence of 95% (U = 2Uc(y))	2.3dB

<u>Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)</u>

Measuring Uncertainty for a Level of	5.4.JD
Confidence of 95% (U = 2Uc(y))	5.1 dB

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