

🥇 Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE181116603

FCC REPORT

Applicant: Interglobe Connection Corp

Address of Applicant: 8228 NW 30th Terrace. Doral, Miami, FL 33122

Equipment Under Test (EUT)

Product Name: Mobile Phone

Model No.: EKO Star 6.0 G65

Trade mark: EKO

FCC ID: 2AC7IEKONG65

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 30 Nov., 2018

Date of Test: 03 Dec.,2018 to 02 Jan., 2019

Date of report issued: 03 Jan., 2019

Test Result: PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	03 Jan., 2019	Original

Tested by: Over Men Date: 03 Jan., 2019

Test Engineer

Reviewed by: 03 Jan., 2019

Project Engineer



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4 Test Summary

Test Items	Section in CFR 47	Result
Antenna requirement	15.203 & 15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247 (d)	Pass
Spurious Emission	15.205 & 15.209	Pass

Pass: The EUT complies with the essential requirements in the standard.

N/A: N/A: Not Applicable.



5 General Information

5.1 Client Information

Applicant:	Interglobe Connection Corp	
Address:	8228 NW 30th Terrace. Doral, Miami, FL 33122	
Manufacturer/Factory: INTERGLOBE CONNECTION LTD		
Address:	RM 1101 11F SAN TOI BLDG 139 CONNAUGHT RD CENTRAL HK	

5.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	EKO Star 6.0 G65
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20))
Operation requestoy.	2422MHz~2452MHz (802.11n(H40))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20)
Chambon nambore.	7 for 802.11n(H40)
Channel separation:	5MHz
Modulation technology:	Direct Sequence Spread Spectrum (DSSS)
(IEEE 802.11b)	Direct dequence opiead opecitum (Dodd)
Modulation technology:	Orthogonal Frequency Division Multiplexing(OFDM)
(IEEE 802.11g/802.11n)	Orthogonal Frequency Division Waltiplexing(Or Divi)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	External Antenna
Antenna gain:	1.2dBi
Power supply:	Rechargeable Li-ion Battery DC3.85V-3150mAh
	Model: Ara 5.7 B5719
AC adapter:	Input: AC100-240V, 50/60Hz, 0.15A
	Output: DC 5.0V, 1000mA
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Operation Frequency each of channel for 802.11b/g/n(H20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

- 1. For 802.11n-HT40 mode, the channel number is from 3 to 9;
- 2. Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 as Lowest, Middle and Highest channel. Channel 3, 6 & 9 selected for 802.11n-HT40 as Lowest, Middle and Highest channel, Channel.

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

Report No: CCISE181116603

5.3 Test environment and test mode

Operating Environment:				
Temperature:	24.0 °C			
Humidity:	54 % RH			
Atmospheric Pressure:	1010 mbar			
Test mode:	' '			

Transmitting mode Keep the EUT in continuous transmitting with modulation

The sample was placed 0.8m (below 1GHz)/1.5m (above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate, the follow list were the worst case.				
Mode Data rate				
802.11b	1Mbps			
802.11g	6Mbps			
802.11n(H20)	6.5Mbps			
802.11n(H40)	13.5Mbps			

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±2.22 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±2.76 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.28 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.72 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±2.88 dB (k=2)

5.6 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC - Registration No.: 727551

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The Registration No. is 727551.

IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



5.7 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

5.8 Test Instruments list

Radiated Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-16-2018	03-15-2019
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-16-2018	03-15-2019
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-16-2018	03-15-2019
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2018	11-20-2019
EMI Test Software	AUDIX	E3	V	Version: 6.110919b	
Pre-amplifier	HP	8447D	2944A09358	03-07-2018	03-06-2019
Pre-amplifier	CD	PAP-1G18	11804	03-07-2018	03-06-2019
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2018	03-06-2019
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2018	11-20-2019
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2018	03-06-2019
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2018	03-06-2019
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2018	03-06-2019
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2018	03-06-2019
RF Switch Unit	MWRFTEST	MW200	N/A	N/A	N/A
Test Software	MWRFTEST	MTS8200		Version: 2.0.0.0	

Conducted Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-07-2018	03-06-2019	
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-07-2018	03-06-2019	
LISN	CHASE	MN2050D	1447	03-19-2018	03-18-2019	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2019	
Cable	HP	10503A	N/A	03-07-2018	03-06-2019	
EMI Test Software	AUDIX	E3	Version: 6.110919b			



6 Test results and Measurement Data

6.1 Antenna requirement

Standard requirement: FCC Part 15 C Section 15.203 /247(b)

15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

E.U.T Antenna:

The WiFi antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is 1.2 dBi.



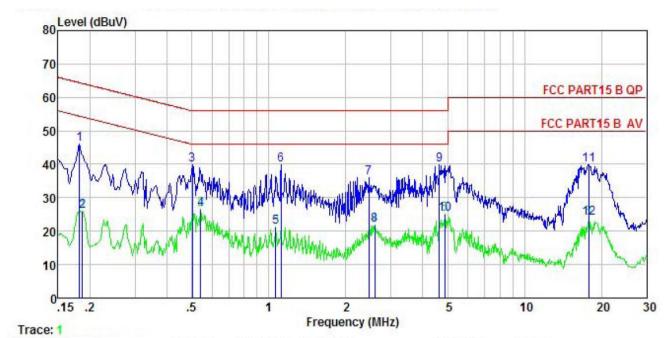
6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 1	FCC Part 15 C Section 15.207			
Test Method:	ANSI C63.10: 2013	ANSI C63.10: 2013			
Test Frequency Range:	150 kHz to 30 MHz	150 kHz to 30 MHz			
Class / Severity:	Class B				
Receiver setup:	RBW=9 kHz, VBW=30 k	Hz			
Limit:	Frequency range	Limit (dBuV)		
Limit.	(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 log	arithm of the frequency.			
Test procedure	line impedance stab 50ohm/50uH couplin 2. The peripheral device a LISN that provides termination. (Please photographs). 3. Both sides of A.C. li interference. In order	a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).			
Test setup:	AUX Equipment Test table/Insula Remarkc E.U.T. Equipment Under LISN Line Impedence St	E.U.T EMI Receiver	ilter — AC power		
	Test table height=0.8m	asmedion incuron			
Test Instruments:	Refer to section 5.8 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				



Measurement Data:

Product name:	Mobile Phone	Product model:	EKO Star 6.0 G65
Test by:	Mike	Test mode:	Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∇	<u>dB</u>		dBu₹	—dBu∀	<u>ab</u>	
1	0.182	34.43	0.73	10.77	45.93	64.42	-18.49	QP
2	0.186	14.59	0.73	10.76	26.08	54.20	-28.12	Average
2	0.502	28.37	0.76	10.76	39.89	56.00	-16.11	QP
4 5 6	0.541	14.95	0.76	10.76	26.47	46.00	-19.53	Average
5	1.065	9.73	0.78	10.88	21.39	46.00	-24.61	Average
6	1.117	28.08	0.78	10.88	39.74	56.00	-16.26	QP
7	2.461	24.43	0.78	10.94	36.15	56.00	-19.85	QP
8	2.594	10.11	0.78	10.93	21.82	46.00	-24.18	Average
9	4.647	28.29	0.76	10.86	39.91	56.00	-16.09	QP
10	4.874	13.38	0.76	10.85	24.99	46.00	-21.01	Average
11	17.849	28.32	0.70	10.92	39.94		-20.06	
12	17.849	12.18	0.70	10.92	23.80	50.00	-26.20	Average

Notes

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Product name:	Mobile Phone	Product model:	EKO Star 6.0 G65
Test by:	Mike	Test mode:	Wi-Fi Tx mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%
80 Level (dBuV) 70 60 50 40 20 10 0.15 .2 Trace: 3	.5 1 Read LISN 1 Level Factor		FCC PART15 B QP FCC PART15 B AV 9 11 12 12 12 12 12 12 12 12 12 12 12 12
MH2	dBuV dB	dB dBu∀	dBu∀ dB
1 0.182 2 0.186 3 0.497 4 0.502 5 0.979 6 1.100 7 2.213 8 2.213 9 4.622 10 4.874 11 17.849	6 20.12 0.66 7 24.95 0.61 2 33.40 0.61 9 29.86 0.67 0 19.39 0.67 3 27.00 0.67 3 15.52 0.67 2 31.39 0.70 1 16.79 0.70	10.76 31.54 10.76 36.32 10.76 44.77 10.86 41.39 10.88 30.94 10.95 38.62 10.95 27.14 10.86 42.95 10.85 28.34	64.42 -20.78 QP 54.20 -22.66 Average 46.05 -9.73 Average 56.00 -11.23 QP 56.00 -14.61 QP 46.00 -15.06 Average 56.00 -17.38 QP 46.00 -18.86 Average 56.00 -13.05 QP 46.00 -17.66 Average 60.00 -21.92 QP

Notes

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



6.3 Conducted Output Power

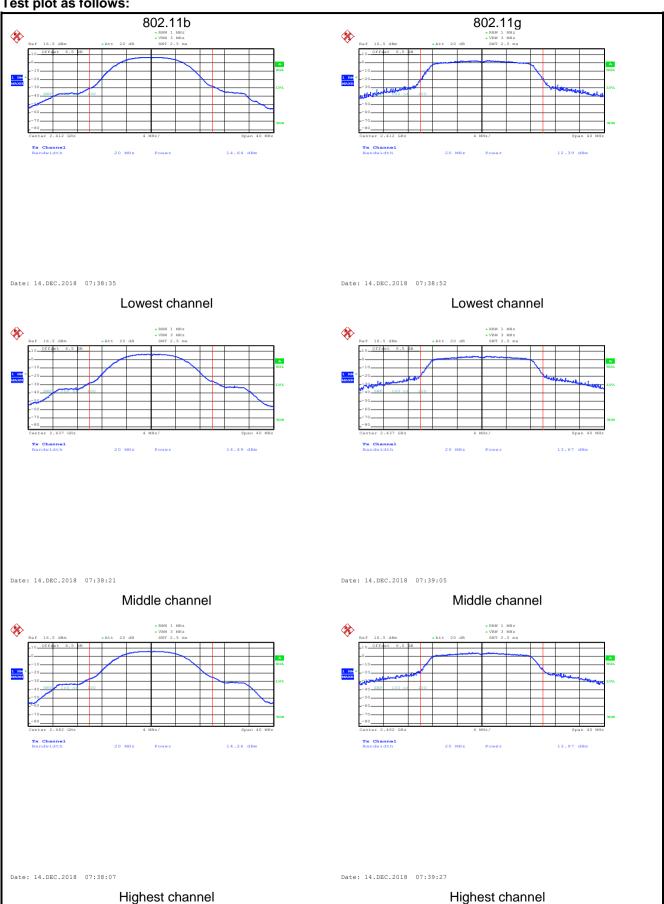
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	30dBm
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

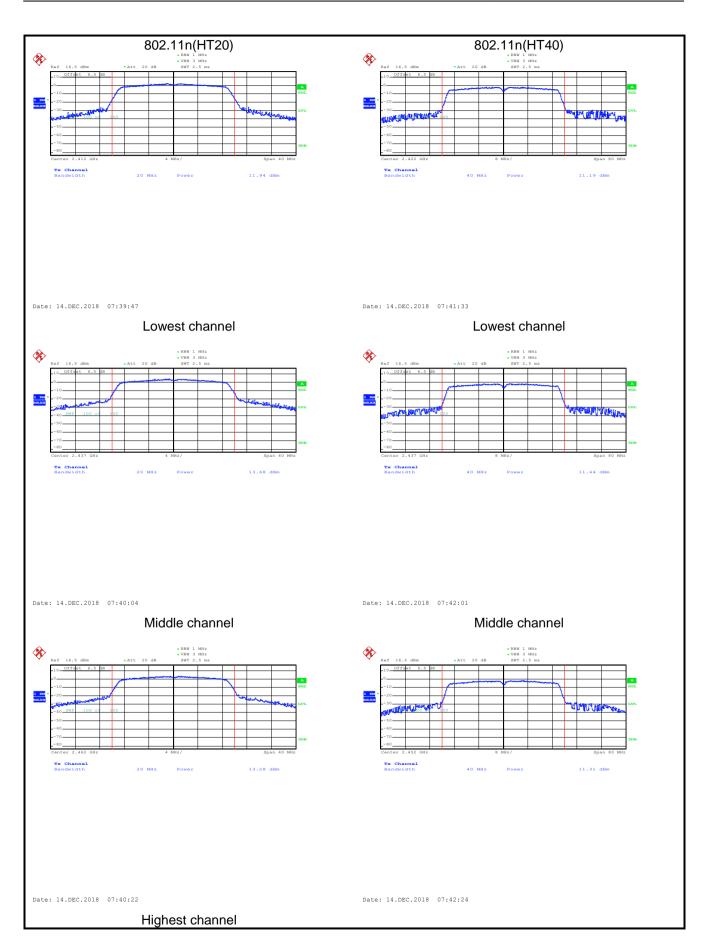
Test CH	Max	ximum Conducte	d Output Power (d	Bm)	Limit(dBm)	Result
Test CH	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(abin)	Result
Lowest	14.64	12.39	11.94	11.19		
Middle	14.49	13.67	13.68	11.44	30.00	Pass
Highest	14.26	13.97	13.28	11.31		



Test plot as follows:









6.4 Occupy Bandwidth

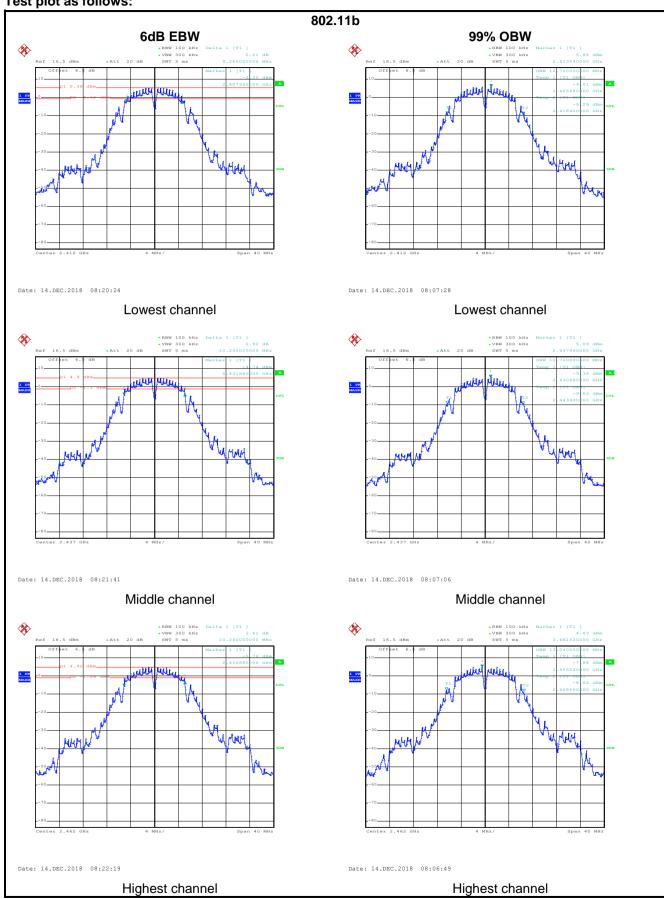
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	>500kHz
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

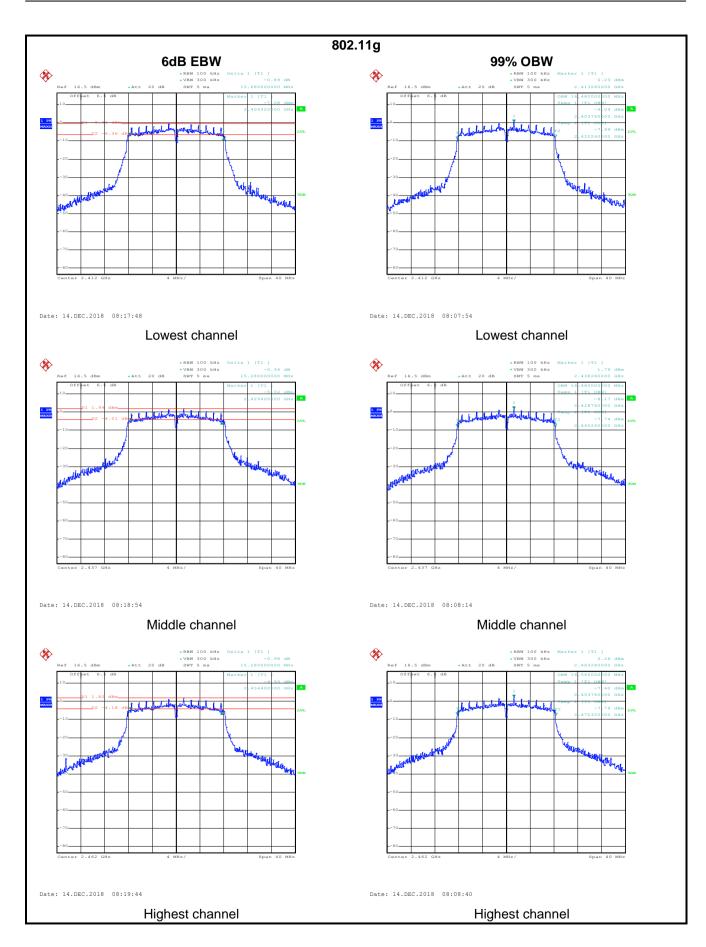
Test CH		6dB Emission B	on Bandwidth (MHz) Limit(kHz)		Result	
Test CH	802.11b	802.11g	802.11n(H20)	802.11n(H40)	LIIIII(KHZ)	Result
Lowest	9.28	15.68	16.32	35.52		
Middle	10.24	15.28	15.28	35.52	>500	Pass
Highest	10.24	15.28	15.60	35.52		
Test CH		99% Occupy Ba	Limit/kH=\	Result		
Test CH	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(kHz)	Result
Lowest	12.72	16.48	17.60	35.84		
Middle	12.72	16.48	17.68	35.84	N/A	N/A
Highest	13.04	16.56	17.68	35.84		



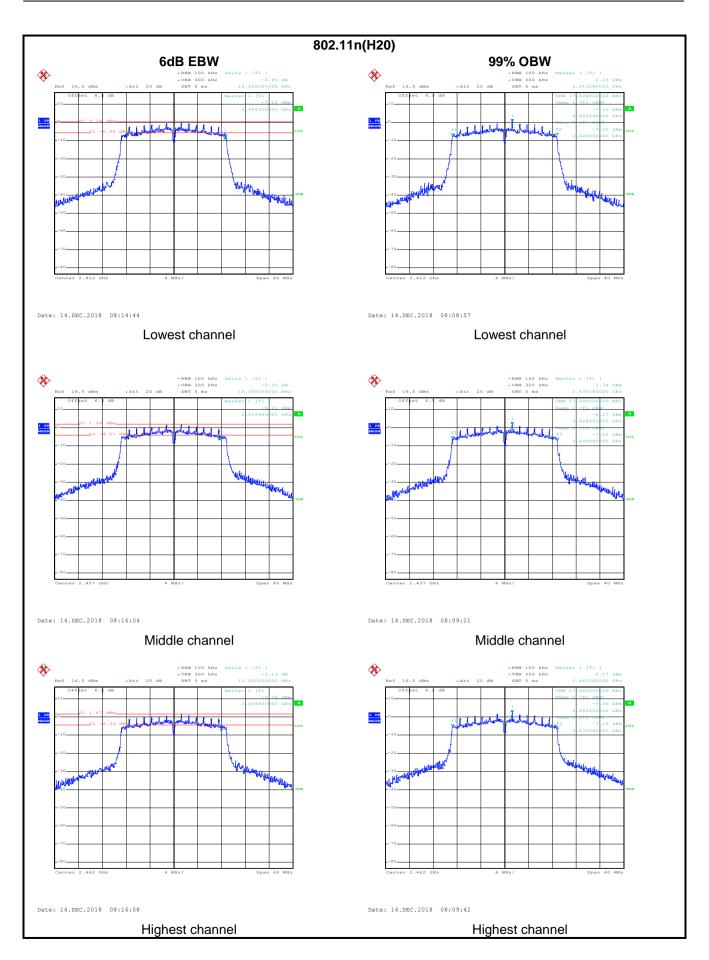
Test plot as follows:



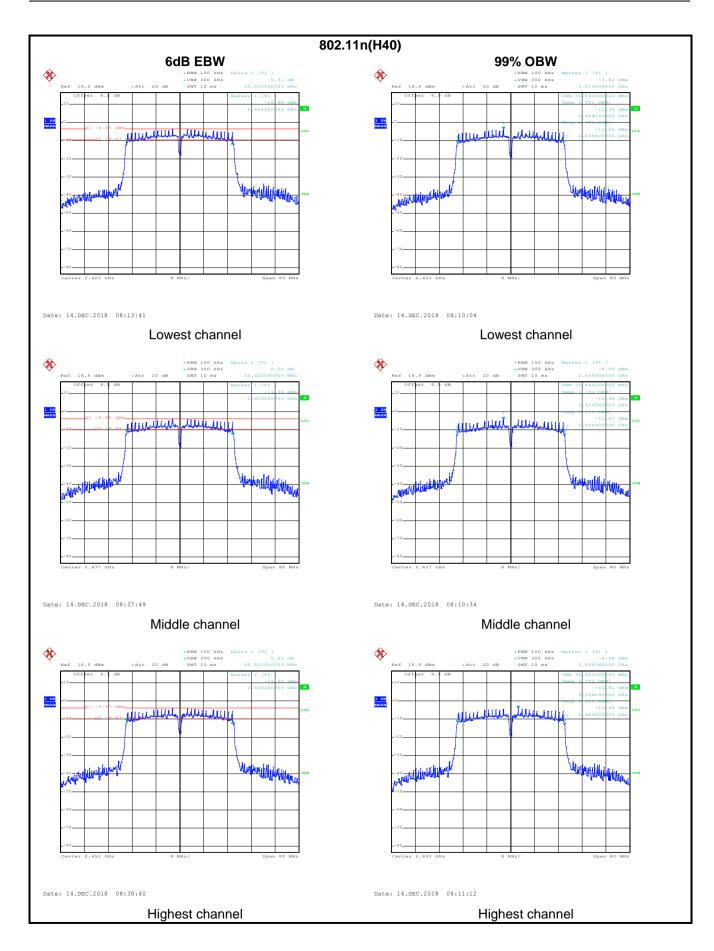














6.5 Power Spectral Density

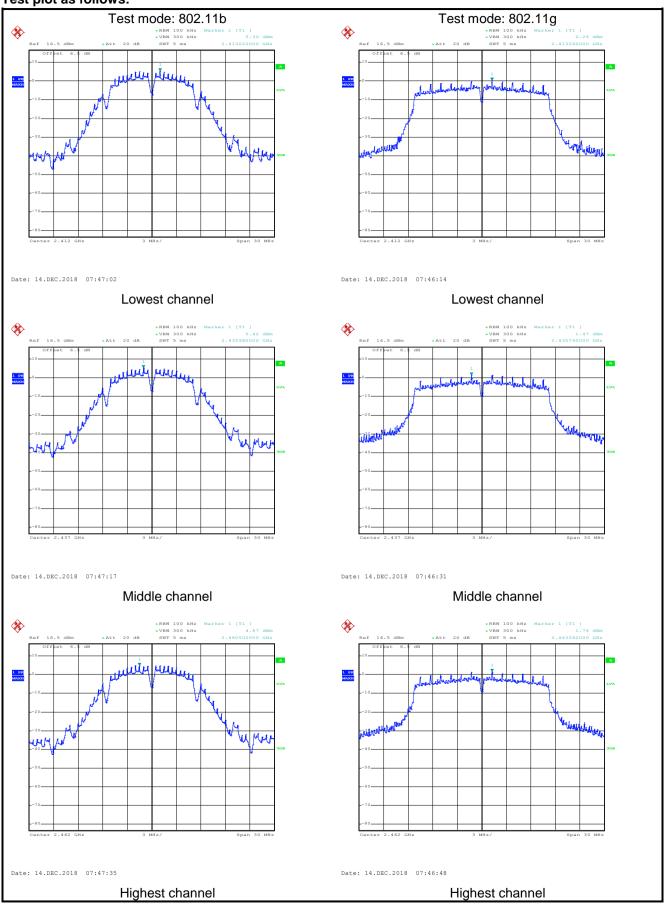
Test Requirement:	FCC Part 15 C Section 15.247 (e)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	8dBm
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

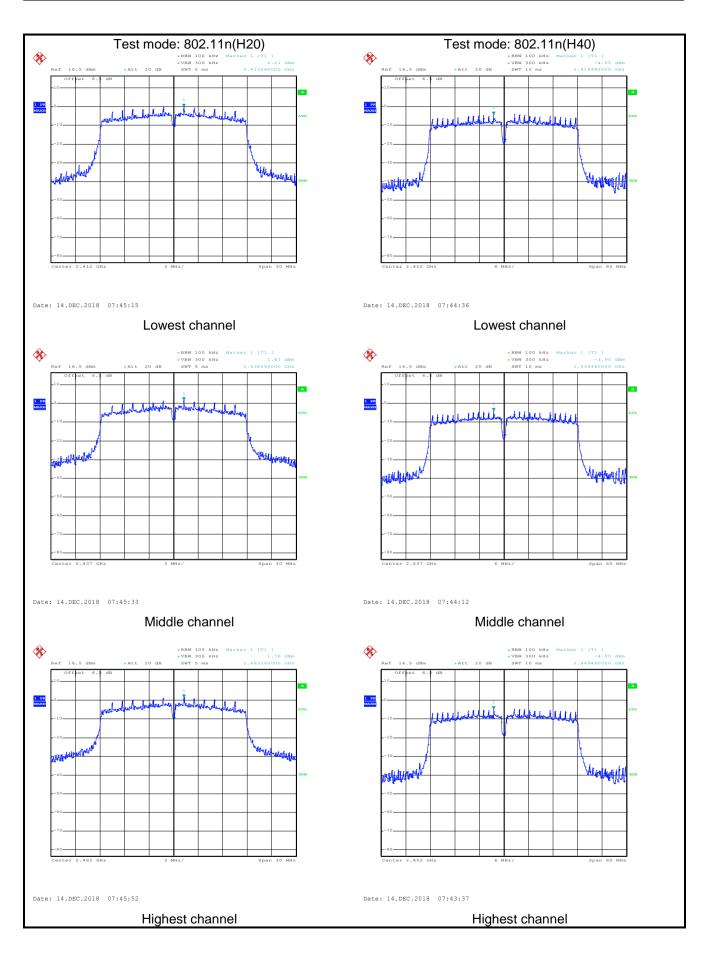
Toot CU		Power Spectra	al Density (dBm)		Limit(dDm)	Dogult
Test CH	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(dBm)	Result
Lowest	5.30	0.26	0.21	-4.05		
Middle	5.42	1.47	1.87	-3.90	8.00	Pass
Highest	4.89	1.76	1.76	-4.50		



Test plot as follows:









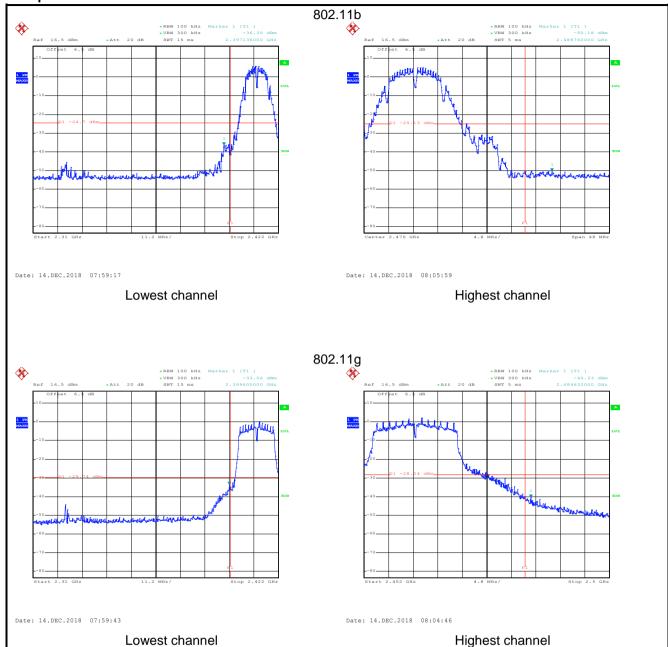
6.6 Band Edge

6.6.1 Conducted Emission Method

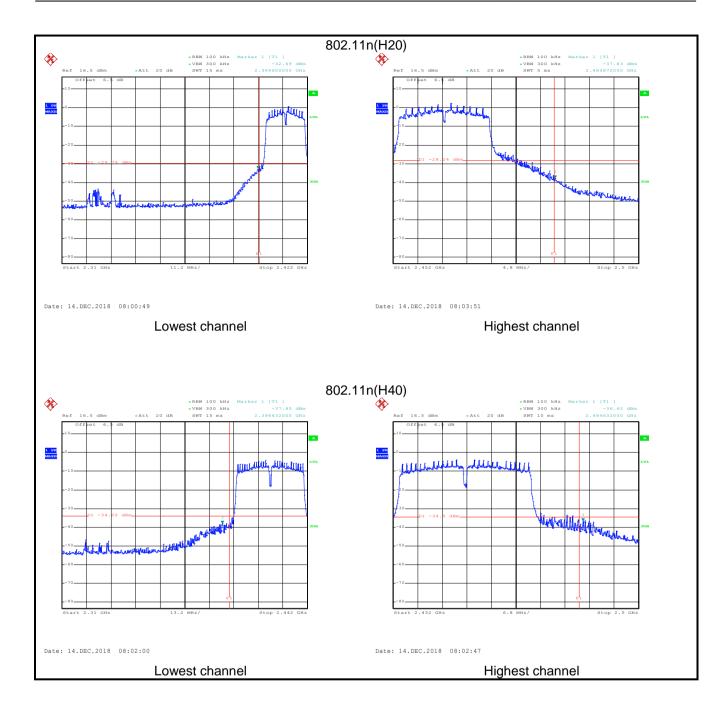
0.0.1 Odiladeted Eliliogidii	
Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 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.
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed



Test plot as follows:









6.6.2 Radiated Emission Method

0.0.2	Radiated Emission Me	etnou						
	Test Requirement:	FCC Part 15 C	Section '	15.20	9 and 15.205			
	Test Method:	ANSI C63.10: 2	2013 and	KDE	3 558074			
	Test Frequency Range:	2.3GHz to 2.50	GHz					
	Test Distance:	3m						
	Receiver setup:	Frequency	Detec	tor	RBW	V	ΒW	Remark
	•	Above 1GHz	Pea		1MHz		ИНz	Peak Value
			RMS		1MHz		MHz T	Average Value
	Limit:	Frequenc		Lin	nit (dBuV/m @ 54.00	3m)	Δν	Remark verage Value
		Above 1G	Hz		74.00			Peak Value
	Test Procedure:	the ground to determing to determing to determing the second seco	d at a 3 m ne the po was set 3 which was na height d to deter ontal and measurer suspected then the a d the rota maximun eceiver sy Bandwidt sision leve becified, to would be margin we	eter esition metes motoris varine vertinent. I emis table n reavistem h with hen te repwould	camber. The to of the highest ers away from to unted on the to aried from one the maximum cal polarization assion, the EUT na was turned from the was turned from the example of the EUT in peak esting could be orted. Otherwise	able value interpretation and the interpretat	vas rota tion. erference variable to four of the fi he antel errange ghts fror degrees etect Ful de. e was 1 ped ance e emission	meters above ield strength. nna are set to d to its worst in 1 meter to 4 is to 360 degrees inction and ddB lower than if the peak values ons that did not sing peak, quasi-
	Test setup:	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	AE E (Turntabl	· .	Hor 3m Ground Reference Plane	n Antenna	Antenna Tox	wer
	Test Instruments:	Refer to section	n 5.8 for c	detail	S			
	Test mode:	Refer to section	n 5.3 for o	detail	S			
	Test results:	Passed						





802.11b mode:

oduc	t Name:	Mobile Ph	none		Pi	roduct Mo	del:	EKO Star 6	.0 G65
st By	/ :	Mike			Te	Test mode:		802.11b Tx mode	
st Ch	nannel:	Lowest ch	nannel		Po	Polarization:		Vertical	
st Vo	oltage:	AC 120/6	0Hz		Eı	nvironmen	t:	Temp: 24°C	Huni: 57%
1	ovel (dDu\//m)				·				
110	evel (dBuV/m)								1
100			1						~~
								ſ	
80								FQC	PART 15 (PK)
								1	
60								FCC	PART 15 (AV)
7	Mary Mayor	maya	~~~	Way way	mm	non	mym		
40	9 3 4 5 7	<u> </u>		13					
20									
20									
0	240 2220		22	50					242
0	2310 2320		23	50 Fred	quency (MH	iz)			242
0	T.T. (7)	ReadA	ntenna	Fred Cable	Preamp		Limit		
0	T.T. (7)	ReadA Level	ntenna	Fred Cable	Preamp			Over Limit	
0	T.T. (7)	ReadA Level dBuV	ntenna	Fred Cable	Preamp Factor	Level		Limit	
0	Freq	Level	ntenna Factor	Fred Cable Loss dB	Preamp Factor dB	Level dBuV/m 50.05	Line dBuV/m 74.00	Limit	Remark

Remark.

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



roduc	t Name:	Mobile Ph	ione		P	roduct Mo	del:	EKO Star 6.0 G65		
Test By	<i>/</i> :	Mike		Test mode: 802.11b Tx mode		Test mode: 802.11b Tx mode		x mode		
Test Ch	nannel:	Lowest ch	nannel		P	olarization	:	Horizontal		
Test Vo	oltage:	AC 120/6	0Hz		E	Environment:		Temp: 24°C Huni: 57		
200	- V-0021 (1000-60)									
110 Le	evel (dBuV/m)	1								
100										
515-55-24-3									^^	
80										
00								FCC	PART 15 (PK)	
									1	
60									PART 15 (AV)	
V	mm	www	my	mmy	more	www	why	M.		
40		1					- 17			
20										
20										
20										
0	310 2320		235				4		242	
0	310 2320	D 14		Freq	juency (MH	100	T		242	
0			ntenna	Freq Cable	Preamp		Limit Line	Over		
0	Freq	Level	ntenna Factor	Freq Cable Loss	Preamp Factor	Level	Line	Limit		
0			ntenna	Freq Cable	Preamp Factor		Line	Limit		
0	Freq	Level	ntenna Factor	Freq Cable Loss dB	Preamp Factor dB	Level	Line dBuV/m	Limit	Remark	

Remark:

^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.



roduct Name:	Mobile Phone		Pr	oduct Mod	el:	EKO Star 6	6.0 G65
est By:	Mike		Te	est mode:		802.11b Tx	mode
est Channel:	Highest channel		Po	olarization:		Vertical	
est Voltage:	AC 120/60Hz		Er	nvironment	:	Temp: 24℃	Huni: 57%
110 Level (dBuV/m)							
110							Ī
100							
	7						
80						FCC	DADT 45 (DIV)
						FLL	PART 15 (PK)
		1					
00			~ 1				
60			~/		-0/3 - /	FCC	PART 15 (AV)
60			m/	1	~~~	FCC	PART 15 (AV)
40			~		~~~	FCC	PART 15 (AV)
			m	1	~~~	FCC	PART 15 (AV)
40			~		~~~	FCC	PART 15 (AV)
				1	~~~	FCC	PART 15 (AV)
20			~		~~~	FCC	PART 15 (AV)
40				1	~~~	FCC	PART 15 (AV)
20			uency (MH:		~~~		
20 0 2452	ReadAnten	na Cable	Preamp			Over	2500
20 0 2452	ReadAnten Level Facto	na Cable	Preamp			Over	2500
20 0 2452	ReadAnten Level Facto dBuV dB,	na Cable or Loss	Preamp Factor		Line	Over Limit	2500
20 0 2452 Freq	Level Facto	na Cable or Loss	Preamp Factor dB	Level	Line	Over Limit	2500

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	Mobile Ph	none		P	roduct Mod	del:	EKO Star	6.0 G65	
Test By:	Mike			Т	Test mode: Polarization:		802.11b Tx mode		
Test Channel:	Highest c	hannel		P			Horizontal		
Test Voltage:	AC 120/6	0Hz		E	nvironmen	t:	Temp: 24°	C Huni: 57%	
110 Level (dBuV/m)									
80							FCC	PART 15 (PK)	
60			1	~~~		2	FCC	PART 15 (AV)	
40					4	W			
20									
02452								2500	
\$11.500000000000000000000000000000000000				quency (MH					
Freq	ReadA Level	ntenna Factor	Cable Loss	Preamp Factor	Level	Limit Line		Remark	
MHz	—dBu₹	<u>dB</u> /m	<u>a</u>	<u>qp</u>	dBuV/m	dBuV/m	<u>dB</u>		
1 2483.500 2 2483.500	18.25 11.71	27.57 27.57	4.81 4.81		52.33 45.79	74.00 54.00	-21.67 -8.21	Peak Average	
Remark:									

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





802.11g mode:

roduct	t Name:	Mobile Ph	one		Pr	Product Model:		EKO Star 6.0 G65		
est By	<i>r</i> :	Mike Test mode: 802.11g Tx mode				mode				
est Ch	nannel:	Lowest ch	annel		Po	olarization:		Vertical		
est Vo	ltage:	AC 120/60)Hz		En	vironment	:	Temp: 24°C Huni: 57°		
Lo	ovol (dDu\//m)				·		·			
110	evel (dBuV/m)					M				
100									100000	
								~	(a more	
80								FCC P	ART 15 (PK)	
60								FCCD	ART 15 (AV)	
~	- Mary and a grand	~~~~~	mm	mm	www	man	morphon	1001	ANT TO (AV)	
40				V-1-2			1			
20										
20										
	310 2320		235		uanau (MILI-	-1			242	
023										
0 ²³		Readú	ntenna		uency (MH)		Limit	Ower		
0 23	Freq	ReadA Level	ntenna Factor	Cable	Preamp	od S Potos Kristo	Limit Line	Over Limit	Remark	
023	Freq MHz	ReadA Level — dBuV	ntenna Factor dB/m	Cable	Preamp Factor	od S Potos Kristo	Line	Limit	Remark	
0 23		Level	Factor dB/m	Cable Loss dB	Preamp Factor dB	Level	Line dBuV/m	Limit		

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:		Mobile Ph	ione		P	roduct Mo	del:	EKO Star 6.0 G65		
est By	':	Mike			Te	est mode:		802.11g Tx	mode	
est Ch	annel:	Lowest ch	nannel		P	olarization	:	Horizontal		
est Vo	Itage:	AC 120/6	0Hz		E	nvironmen	t:	Temp: 24°C	Huni: 57%	
Lov	/el (dBuV/m)									
10	ver (dbdv/iii)								-	
00										
								1	vom.	
80								FICC	PART 15 (PK)	
60								FCC	PART 15 (AV)	
W	man	MANA	www	Mun	V-7~~	money	mon	and and	THIS TO (NE)	
40									- 1	
20										
20										
0										
0 231	10 2320		235		uency (MH	(z)			242	
0	10 2320	ReadA		Freq	uency (MH Preamo	115	Limit	Over	242	
0			235 Intenna Factor	Freq Cable	Preamp			Over Limit	enc Do	
0			ıntenna	Freq Cable	Preamp Factor		Line	Limit	enc Do	
0	Freq	Level	intenna Factor	Freq Cable Loss	Preamp Factor ————————————————————————————————————	Level dBuV/m 50.75	Line dBuV/m 74.00	Limit	Remark 	

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	Mobile Phone		Product Mod	lel:	EKO Star 6	6.0 G65
Test By:	Mike		Test mode:		802.11g Tx	mode
Test Channel:	Highest channel		Polarization:		Vertical	
Test Voltage:	AC 120/60Hz		Environment	::	Temp: 24°C	Huni: 57%
110 Level (dBuV/m)						
80	~~~~				FCC	PART 15 (PK)
60		~~	1	, , , , , , , , , , , , , , , , , , , 	FCC	PART 15 (AV)
40						
20						
02452		Frequency (MHz)			2500
Freq	ReadAntenna Level Factor	Cable Pream Loss Facto	np or Level	Limit Line	Over Limit	Remark
MHz	dBu∀ dB/m	dB	iB dBuV/m	dBuV/m	dB	
1 2483.500 2 2483.500	23.34 27.57 12.49 27.57	4.81 0.0 4.81 0.0	00 57.42 00 46.57	74.00 54.00	-16.58 -7.43	Peak Average

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	Mobile Phone		F	Product Mo	odel:	EKO Sta	r 6.0 G65
Гest By:	Mike		٦	est mode:		802.11g	Tx mode
Test Channel:	Highest channel		F	Polarizatio	n:	Horizonta	al
Test Voltage:	AC 120/60Hz		E	Environme	nt:	Temp: 24	4℃ Huni: 57%
110 Level (dBuV/m) 100 80 60 40					2		CC PART 15 (PK)
20							
0 ₂₄₅₂ Freq	ReadAntenna Level Factor	Cable	quency (M Preamp Factor	147 (1909)	Limit Line	Over Limit	2500 Remark
MHz	dBuV dB/m	dB		$\overline{dBuV/m}$	dBuV/m	<u>dB</u>	
1 2483,500 2 2483,500	21.38 27.57 12.71 27.57	4.81 4.81	0.00 0.00	55.46 46.79	74.00 54.00	-18.54 -7.21	Peak Average

Remark.

^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.





802.11n(HT20):

Toduc	ct Name:	Mobile Ph	none		Pr	Product Model:		EKO Star 6.0 G65		
est B	y:	Mike			Те	est mode:		802.11n(HT	20) Tx mode	
est C	hannel:	Lowest ch	nannel		Po	olarization:		Vertical		
est V	oltage:	AC 120/6	0Hz		Er	nvironment	:	Temp: 24℃	Huni: 57%	
16	evel (dBuV/m)									
- ALLES	over (abaviii)									
100									ma	
								\mathcal{A}^\circ}		
80								FCC	PART 15 (PK)	
60							4 00	FCC	PART 15 (AV)	
~	mount	LAM	man	mon	www	MY	wy.			
40										
40										
20										
20	310 2320		235	50					242	
20	310 2320		235		uency (MH	z)			242	
20			intenna	Freq Cable	Preamp		Limit			
20			intenna	Freq Cable				Over Limit		
20			intenna	Freq Cable	Preamp Factor		Line	Limit		
20	Freq	Level	ntenna Factor ——dB/m	Freq Cable Loss dB	Preamp Factor dB	Level dBuV/m 50.55	Line dBuV/m 74.00	Limit dB -23.45		

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



roauc	t Name:	Mobile Ph	none		P	roduct M	odel:	EKO Star 6	6.0 G65
est By	y:	Mike			Т	est mode	:	802.11n(H	T20) Tx mode
est Ch	hannel:	Lowest ch	nannel		Polarization: Horizontal				
est Vo	oltage:	AC 120/6	0Hz		E	nvironme	ent:	Temp: 24°0	Huni: 57%
	and felDed flee								
110	evel (dBuV/m)								Ĭ
100						-			-
									a sama
80								#CC	C PART 15 (PK)
60								a a deci	C PART 15 (AV)
					tour agency of the control of	- O 4	20 20	ANA IC	C FAINT 13 (AV)
n	my	www	www	man	vovo	V V V	marry of the	3	
40	www	~~~	www	was me	voger	~~~ w	mar o va		3
40	w/vm	LWW.	www	way m	v	~~~ w	Mary Congress	1	
	www	~~~~	www		VVV	~~~ w	Mar Congress	,	
40	~~~~~	~~~~	www		www.	~~\\	Mary Conference		
20	www.	~~~~			Mary.	~~\~\~			
20	310 2320	~~~~	23:	50	mency (M)				242
20	310 2320	Readé	239	50 Free	juency (Mi	Hz)	4	Over	
20	310 2320 Freq	ReadA Level		50 Fred Cable	Preamp	Hz)	Limit		
20		ReadA Level	23sunt enna	50 Fred Cable	Preamp Factor	Hz)	Limit	Limit	Remark
20	Freq	Level	23 Intenna Factor	50 Fred Cable Loss	Preamp Factor dB	Hz) Leve	Limit l Line	Limit	Remark

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



roduct Name:	Mobile Phone					EKO Star 6.0 G65		
est By:	Mike	Highest channel Polarization: Vertical		Polarization:		(),		
est Channel:	Highest channel							
est Voltage:	AC 120/60Hz		En	vironment	:	Temp: 24℃ Huni:		
Loyal /dBu\//m\					_			
110 Level (dBuV/m)								
100	_							
	-~~~~	my						
80								
			200	-		FCC	PART 15 (PK)	
- 12 to 12 t				- la				
60					1	FCC	PART 15 (AV)	
60				2	1	FCC	PART 15 (AV)	
40				2		FCC	PART 15 (AV)	
				2		FCC	PART 15 (AV)	
40				2		FCC	PART 15 (AV)	
				2		FCC	PART 15 (AV)	
20				2		FCC	PART 15 (AV)	
20				2		FCC	250	
40			uency (MH					
20 0 2452		na Cable	Preamp		Limit	Over	250	
20		na Cable	Preamp			Over		
20 0 2452	Level Fact	na Cable	Preamp Factor		Line	Over Limit	250	
20 0 2452 Free	Level Fact	nna Cable or Loss	Preamp Factor dB	Level	Line dBuV/m	Over Limit	250 Remark	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	Mobile Phor	Mobile Phone			Product Model:		EKO Star 6.0 G65		
Test By:	Mike			Те	Test mode: Polarization:		802.11n(HT	20) Tx mode	
Test Channel:	Highest cha	nnel		Ро			Horizontal		
Test Voltage:	AC 120/60H	İz		En	vironment	-	Temp: 24°C Huni: 57%		
110 Level (dBuV/m)									
Section 1									
100									
	~~~	m							
80		1					FCC	PART 15 (PK)	
T T			5						
60				m	1		FCC	PART 15 (AV)	
					7	mw	~	mi	
40					4				
20									
0								2500	
			Frequ	ency (MHz	z)			2500	
02452		tenna Ca	able :	Preamp		Limit			
02452	ReadAn Level F		able :	Preamp				2500 Remark	
02452	Level F		able :	Preamp Factor		Line	Limit		
0 ₂₄₅₂ Freq	Level F	actor I	able ! Loss ! dB	Preamp Factor dB	Level	Line	Limit ———————————————————————————————————	Remark	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





# 802.11n(HT40):

rodu	ct Name:	Mobile Ph	none		Pi	roduct Mod	lel:	EKO Star 6.0 G65		
est B	y:	Mike			Te	est mode:		802.11n(H	Γ40) Tx mode	
est C	hannel:	Lowest ch	nannel		Po	Polarization:				
est V	oltage:	AC 120/6	0Hz		Ei	nvironmen	t:	Temp: 24℃	Huni: 57%	
	avel (dDv)(las)									
110	evel (dBuV/m)									
100										
							~	My	Vrv my	
80								ECC	PART 15 (PK)	
-								rcc	PART 13 (PR)	
60						Λħ.Λ/	Sold	F00	DART AT AND	
7	\ \ \ \ /	co O.	20.0	- m	M Mm	/M/V		FCC	PART 15 (AV)	
40	MANA	Mm	Marsh	~~ ~	L b A					
40										
20										
0	310 2320	1	2350						244	
				Frequency (MHz)						
2										
2			ntenna		Preamp		Limit		120	
2	Freq		ntenna Factor			Level			Remark	
2	Freq MHz				Factor	Level	Line	Limit	Remark	
1		Level	Factor	Loss	Factor dB	Level	Line dBuV/m	Limit		

# Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



roduct Na	ame:	Mobile Phone Mike			Pro	Product Model: Test mode:		EKO Star 6.0 G65 802.11n(HT40) Tx mode		
est By:					Те					
est Chani	nel:	Lowest cha	owest channel Polarization: Horizontal							
est Voltaç	ge:	AC 120/60Hz Environment: Temp: 24°C						Temp: 24°C Huni: 5°		
Louis	(dD, dlles)						•			
110 Level	(dBuV/m)		3						1	
100							-			
80							med	way or	man	
00								FCCF	PART 15 (PK)	
								TOO TAKE 13		
									)	
60						1.1Mm	-1	FCC F	PART 15 (AV)	
60	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~ ~~~	Nym, ~~	www	ww	A JAMA	-1	FCC F	PART 15 (AV)	
ww	~~~~~	~~~	Marin	Mrw	mm	Amin (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	-N	FCC F	PART 15 (AV)	
40	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	vw.	Mur	~/~~	mm	2 2	-1	FCC F	PART 15 (AV)	
ww	~~~~	~~~	Mmm	N	mm	2	-N	FCC F	PART 15 (AV)	
ww	www	~~~	Mmm	www.	more	2	M	FCCF	PART 15 (AV)	
40		~~~	Mmm	~/~~	mm	2 2	-N	FCC F	PART 15 (AV)	
40		~~~		~/~~v	home	2	-M	FCC	PART 15 (AV)	
40		~~~	2350					FCC	PART 15 (AV)	
40		~~~			nency (MHz		-M	FCC		
40	2320	ReadA	2350 nt enna	Frequ	uency (MHz Preamp	)	Limit	Over	244	
40	2320	ReadA	2350 nt enna	Frequ	uency (MHz Preamp	)	Limit		244	
40	2320	ReadA	2350 nt enna	Frequ	iency (MHz Preamp Factor	)	Limit Line	Over Limit	244	
40 20 0 2310	2320 Freq	ReadA Level ——dBuV	2350 ntenna Factor	Frequ Cable Loss	lency (MHz Preamp Factor dB	) Level	Limit Line dBuV/m	Over Limit	244 Remark	
20 0 2310	2320 Freq	ReadA Level	2350 ntenna Factor	Frequ Cable Loss	Preamp Factor dB	)  Level  dBuV/m  54.91	Limit Line dBuV/m	Over Limit ———————————————————————————————————	244 Remark	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product N	ame:	Mobile Ph	one		Pi	roduct Mode	el:	EKO Star 6.0 G65 802.11n(HT40) Tx mode			
Test By:		Mike Highest channel AC 120/60Hz		Te	Test mode: Polarization:		802.11n(HT	40) Tx mode			
Test Chan	nel:			P			Vertical  Temp: 24° Huni: 53				
Test Volta	ge:	AC 120/60	)Hz		E	nvironment:	:	Temp: 24℃	Huni: 57%		
Louis	L/dDuller										
110 Leve	l (dBuV/m)								1		
100				-							
	~~~	~~	4	~~	~ ~						
80		V	V		~.	1		FCC	PART 15 (PK)		
1						1			771111 10 (171)		
60						1		1 ECC	PART 15 (AV)		
						7000	~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
40								10000			
20											
20											
⁰ 2432		24	50			11-3	40		250		
		Readú	intenna		uency (Mi Preamp		Limit	Over			
	Freq		Factor			Level	Line		Remark		
-	MHz	—dBuV			dE	dBuV/m	dBuV/m				
	2483.500	19.86	27.57	4.81	0.00	53.94		-20.06			
1 2	2483.500 2483.500	19.86 14.29	27.57 27.57	4.81 4.81	0.00 0.00	53.94 48.37		-20.06 -5.63			

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Na	me:	Mobile Ph	one		Pro	Product Model:		EKO Star 6.0 G65		
est By:		Mike Highest channel			Tes	Test mode:		802.11n(HT40) Tx mode Horizontal		
est Chann	el:				Polarization:		H			
est Voltag	e:	AC 120/60)Hz		En	vironment:	Т	Temp: 24℃ Huni:		
	15 10 1				•					
110 Level (dBuV/m)									
100				-						
				Colombia (No.						
80	~~	~~	S	Mm	~~			FCC	DADT 45 (DIC)	
	.Cet				23	\		FLL	PART 15 (PK)	
60						1				
00)						- bas	1	FCC	PART 15 (AV)	
									• • • • • • • • • • • • • • • • • • • •	
40										
20										
02432		24	50						25	
2432		24.	50	Frequ	uency (MH:	z)			23	
			Ant enna		Preamp		Limit			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark	
	MHz	dBu₹	<u>dB</u> /m		<u>dB</u>	$\overline{dBuV/m}$	dBuV/m	<u>d</u> B		
1 2 2	483.500	20.24		4.81	0.00	54.32	74.00	-19.68	Peak	
	483.500	13.96	27.57	4.81	0.00	40.04	E4 00	F 00	Average	

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



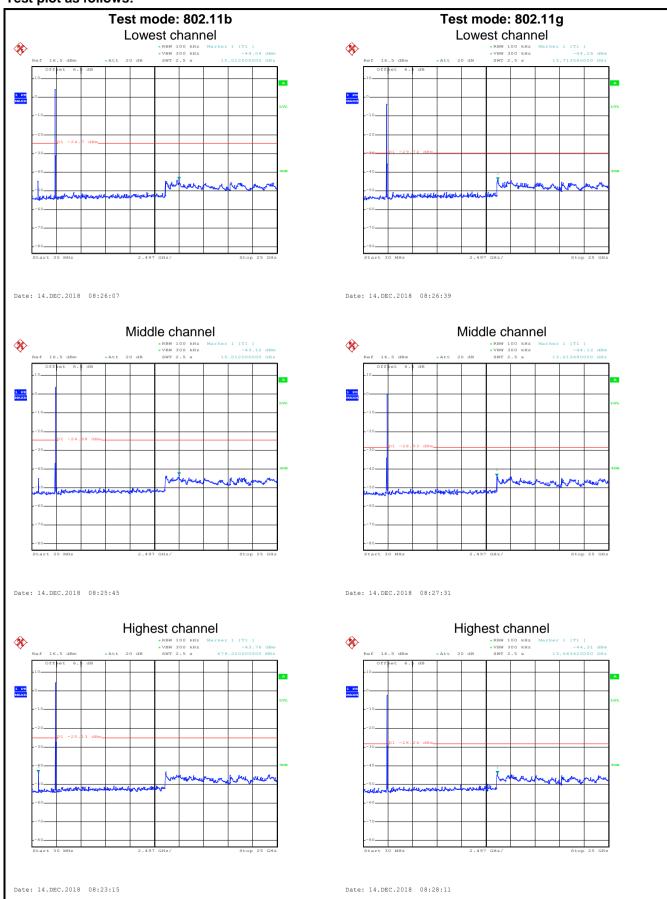
6.7 Spurious Emission

6.7.1 Conducted Emission Method

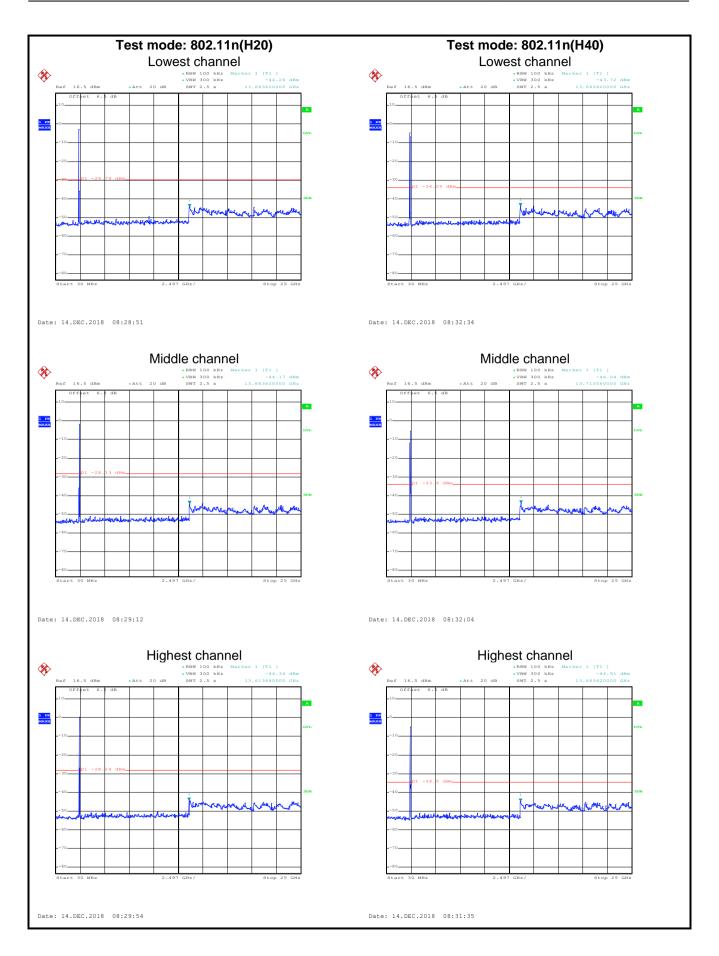
0.7.1 Conducted Emission	
Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB 558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional 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. 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.
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.8 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed



Test plot as follows:





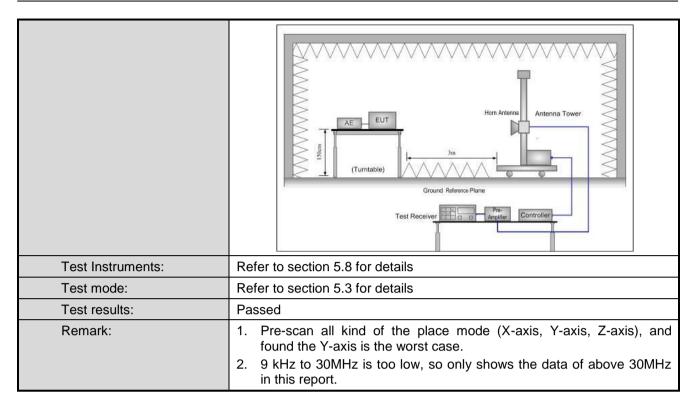




6.7.2 Radiated Emission Method

6.7.2 Radiated Emission M	etilou					
Test Requirement:	FCC Part 15 C S	ection 15.20	9 and 15.205			
Test Method:	ANSI C63.10:201	13				
Test Frequency Range:	9kHz to 25GHz					
Test Distance:	3m					
Receiver setup:	Frequency	Detector	RBW	VE	3W	Remark
· ·	30MHz-1GHz	Quasi-peak	120KHz	300	KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz		1Hz	Peak Value
		RMS	1MHz		1Hz	Average Value
Limit:	Frequency 30MHz-88MH		nit (dBuV/m @3 40.0	sm)	0	Remark uasi-peak Value
	88MHz-216MH		43.5			uasi-peak Value
	216MHz-960M		46.0			uasi-peak Value
	960MHz-1GH		54.0			uasi-peak Value
			54.0			Average Value
	Above 1GHz		74.0 the top of a rot			Peak Value
	The table was highest radia? The EUT was antenna, who tower. The antenna the ground to Both horizon make the med. For each suscase and the meters and to find the med. The test-reconspecified Base. If the emission the limit spen of the EUT we have 10dB med.	as rotated 36 ation. Its set 3 meterich was mount height is van determine atal and vertice asurement. Spected emister the antenitation level of the cified, then to would be reparagin would	of degrees to of the saway from the top the maximum to the	Hetermiche interpretation of a value on sof the was a one ight of the was a control of the wa	erferent variable to four of the to ne ante trange hts fro degree tect Furde. was 1 ped and emissione us	re-height antenna meters above field strength. enna are set to ed to its worst m 1 meter to 4 is to 360 degrees inction and 10dB lower than d the peak values ions that did not sing peak, quasi-
Test setup:	Below 1GHz EUT Turn Table Ground P Above 1GHz		m		_	



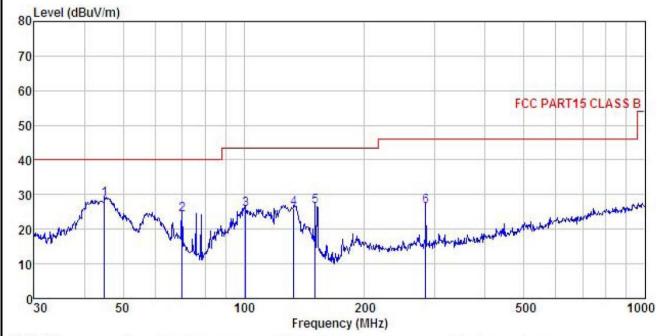




Measurement Data (worst case):

Below 1GHz:

Product Name:	Mobile Phone	Product Model:	EKO Star 6.0 G65
Test By:	Mike	Test mode:	Wi-Fi Tx mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%
Level (dBuV/m)			



	Freq		ntenna Factor				Limit Line		Remark
-	MHz	dBu∜	<u>dB</u> /π	d <u>B</u>	<u>ab</u>	$\overline{dBuV/m}$	dBuV/m	<u>dB</u>	
1	44.901	43.46	13.68	1.28	29.86	28.56	40.00	-11.44	QP
2	70.090	43.27	9.09	1.52	29.72	24.16	40.00	-15.84	QP
2 3 4 5 6	100.934	41.50	11.76	1.95	29.52	25.69	43.50	-17.81	QP
4	133.151	44.44	8.51	2.32	29.31	25.96	43.50	-17.54	QP
5	150.538	44.61	8.63	2.52	29.22	26.54	43.50	-16.96	QP
6	283.979	38.55	13.51	2.90	28.48	26.48	46.00	-19.52	QP

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



roduct	Name:	Mobile Phone				oduct Mode	el:	EKO Star 6.0 G65		
est By:		Mike			Tes	st mode:		Wi-Fi Tx m	ode	
est Freq	luency:	30 MHz ~	1 GHz		Ро	larization:		Horizontal		
est Volta	age:	AC 120/6	0Hz		En	vironment:		Temp: 24℃	C F	Huni: 57%
Level	(dBuV/m)									
80		Y Y								
70										
202										
60								FCC PAR	715 CL	ASSR
50								TCCFAI	(113 CL	.A336
30					ी					
40		_								
			1 1							
30			$-\lambda$	2	3	-			6	S. London Bridge
			\wedge	W.	3	4	5	La destructuração por	Manager M	A LONG LANGE OF STREET
20	بالمعارية فالمرادية			A TOTAL COMMENT		Paragash Paragash	Howard House	applemental comments of the	MA Francisco	i Ling lander or the
20	and the same of the same	mortina		Mary Jarry		power the field	Mary days days	of and the court of the court o	WAS STATE	A LONG BARRANT
10		marine		Mary how	A A A A A A A A A A A A A A A A A A A	person the factor	Holivan de de la competitación de la competita		MAR FORMAN	
20	and of the same of	marine	100	Freque	200 Jency (MHz		Manufacture of the second	500	MAR Samonia	1000
10		Read		0.000.000.000	uency (MHz	z)		500	MA FORMAN	
10			100 Antenna Factor	Cable		z)	Limit Line	500 Over		1000
10	50		Antenna Factor	Cable	uency (MHz Preamp Factor	z)	Limit Line	500 Over Limit		1000
20 10 0 30	50 Freq MHz	Level dBuV	Antenna Factor ——dB/m	Cable Loss dB	uency (MHz Preamp Factor dB	Level	Limit Line dBuV/m	500 Over Limit	Rema	1000
20 10 0 30	50 Freq	Level	Antenna Factor	Cable Loss	uency (MHz Preamp Factor	z) Level	Limit Line dBuV/m 43.50	500 Over Limit	Rema	1000
20 10 0 30	50 Freq MHz 103.806 115.321 187.096	Level dBuV 45.81 41.63 38.70	Antenna Factor dB/m 11.94 11.16 10.80	Cable Loss dB 1.99 2.11 2.78	Preamp Factor dB 29.50 29.42 28.92	Level dBuV/m 30.24 25.48 23.36	Limit Line dBuV/m 43.50 43.50 43.50	500 Over Limit ———————————————————————————————————	Rema QP QP QP	1000
10	50 Freq MHz 103.806 115.321	Level dBuV 45.81 41.63	Antenna Factor dB/m 11.94 11.16	Cable Loss dB 1.99 2.11	Preamp Factor dB 29.50 29.42	Level dBuV/m 30.24 25.48	Limit Line dBuV/m 43.50 43.50 43.50 46.00	500 Over Limit ———————————————————————————————————	Rema QP QP QP	1000

^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.





Above 1GHz

Above 1GHz								
				802.11b				
				annel: Lowe				
		ı	De	tector: Peak	Value		T	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	47.42	36.06	6.81	41.82	48.47	74.00	-25.53	Vertical
4824.00	47.04	36.06	6.81	41.82	48.09	74.00	-25.91	Horizontal
			Dete	ctor: Averag	je Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4824.00	38.51	36.06	6.81	41.82	39.56	54.00	-14.44	Vertical
4824.00	37.19	36.06	6.81	41.82	38.24	54.00	-15.76	Horizontal
				annel: Mido				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	46.78	36.32	6.85	41.84	48.11	74.00	-25.89	Vertical
4874.00	47.32	36.32	6.85	41.84	48.65	74.00	-25.35	Horizontal
			Dete	ctor: Averag	je Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4874.00	38.47	36.32	6.85	41.84	39.80	54.00	-14.20	Vertical
4874.00	37.59	36.32	6.85	41.84	38.92	54.00	-15.08	Horizontal
				annel: Highe				
		1		tector: Peak	Value		T	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	47.12	36.58	6.89	41.86	48.73	74.00	-25.27	Vertical
4924.00	47.40	36.58	6.89	41.86	49.01	74.00	-24.99	Horizontal
			Dete	ctor: Averag	je Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4924.00	37.29	36.58	6.89	41.86	38.90	54.00	-15.10	Vertical
4924.00	37.61	36.58	6.89	41.86	39.22	54.00	-14.78	Horizontal

Remark:

^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.





802.11g									
Test channel: Lowest channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4824.00	47.18	36.06	6.81	41.82	48.23	74.00	-25.77	Vertical	
4824.00	47.26	36.06	6.81	41.82	48.31	74.00	-25.69	Horizontal	
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4824.00	38.91	36.06	6.81	41.82	39.96	54.00	-14.04	Vertical	
4824.00	37.46	36.06	6.81	41.82	38.51	54.00	-15.49	Horizontal	
Test channel: Middle channel									
Detector: Peak Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4874.00	46.83	36.32	6.85	41.84	48.16	74.00	-25.84	Vertical	
4874.00	47.18	36.32	6.85	41.84	48.51	74.00	-25.49	Horizontal	
			Dete	ctor: Averag	je Value				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4874.00	38.94	36.32	6.85	41.84	40.27	54.00	-13.73	Vertical	
4874.00	37.85	36.32	6.85	41.84	39.18	54.00	-14.82	Horizontal	
Test channel: Highest channel									
				tector: Peak	Value				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4924.00	47.96	36.58	6.89	41.86	49.57	74.00	-24.43	Vertical	
4924.00	47.64	36.58	6.89	41.86	49.25	74.00	-24.75	Horizontal	
Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
4924.00	37.93	36.58	6.89	41.86	39.54	54.00	-14.46	Vertical	
4924.00	37.47	36.58	6.89	41.86	39.08	54.00	-14.92	Horizontal	
Remark: 1 Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor									

^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.





				802.11n(HT	20)					
Test channel: Lowest channel										
Detector: Peak Value										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4824.00	48.29	36.06	6.81	41.82	49.34	74.00	-24.66	Vertical		
4824.00	47.61	36.06	6.81	41.82	48.66	74.00	-25.34	Horizontal		
Detector: Average Value										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4824.00	38.64	36.06	6.81	41.82	39.69	54.00	-14.31	Vertical		
4824.00	37.29	36.06	6.81	41.82	38.34	54.00	-15.66	Horizontal		
Test channel: Middle channel										
			De	tector: Peak	Value					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4874.00	47.26	36.32	6.85	41.84	48.59	74.00	-25.41	Vertical		
4874.00	46.83	36.32	6.85	41.84	48.16	74.00	-25.84	Horizontal		
			Dete	ctor: Averaç	je Value					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4874.00	38.46	36.32	6.85	41.84	39.79	54.00	-14.21	Vertical		
4874.00	37.14	36.32	6.85	41.84	38.47	54.00	-15.53	Horizontal		
	Test channel: Highest channel									
			De	tector: Peak	Value					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4924.00	47.26	36.58	6.89	41.86	48.87	74.00	-25.13	Vertical		
4924.00	47.61	36.58	6.89	41.86	49.22	74.00	-24.78	Horizontal		
Detector: Average Value										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4924.00	37.45	36.58	6.89	41.86	39.06	54.00	-14.94	Vertical		
4924.00	37.67	36.58	6.89	41.86	39.28	54.00	-14.72	Horizontal		
Remark: 1. Final Lev	vel = Receive				Loss – Pream	nplifier Factor.				

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2. The emission levels of other frequencies are very lower than the limit and not show in test report.





				802.11n(HT	40)					
Test channel: Lowest channel										
			De	tector: Peak	Value					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4844.00	48.91	36.06	6.81	41.82	49.96	74.00	-24.04	Vertical		
4844.00	47.26	36.06	6.81	41.82	48.31	74.00	-25.69	Horizontal		
Detector: Average Value										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4844.00	38.46	36.06	6.81	41.82	39.51	54.00	-14.49	Vertical		
4844.00	37.29	36.06	6.81	41.82	38.34	54.00	-15.66	Horizontal		
Test channel: Middle channel										
				tector: Peak						
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4874.00	47.92	36.32	6.85	41.84	49.25	74.00	-24.75	Vertical		
4874.00	46.17	36.32	6.85	41.84	47.50	74.00	-26.50	Horizontal		
			Dete	ctor: Averag	ge Value					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4874.00	38.91	36.32	6.85	41.84	40.24	54.00	-13.76	Vertical		
4874.00	37.56	36.32	6.85	41.84	38.89	54.00	-15.11	Horizontal		
Test channel: Highest channel										
				tector: Peak						
	Read	Antenna	Cable		value					
Frequency (MHz)	Level (dBuV)	Factor (dB/m)	Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4904.00	47.52	36.45	6.87	41.85	48.99	74.00	-25.01	Vertical		
4904.00	47.43	36.45	6.87	41.85	48.90	74.00	-25.10	Horizontal		
	Detector: Average Value									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4904.00	37.62	36.45	6.87	41.85	39.09	54.00	-14.91	Vertical		
4904.00	37.11	36.45	6.87	41.85	38.58	54.00	-15.42	Horizontal		
Remark: 1. Final Lev	vel = Receive	r Read level -	- Antenna Fa	actor + Cable	Loss – Prean	nplifier Factor.				

^{1.} Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

^{2.} The emission levels of other frequencies are very lower than the limit and not show in test report.