

Report No.: EED32I00208215 Page 1 of 61

TEST REPORT

WisePad 2 **Product** Trade mark **BBPOS**

Model/Type reference : WisePad 2

Serial Number N/A

Report Number EED32I00208215

FCC ID : 2AB7X-WISEPAD2PLUS

Date of Issue : Mar. 17, 2017

Test Standards : 47 CFR Part 15Subpart C (2015)

Test result **PASS**

Prepared for:

BBPOS International Limited Suite 1602, 16/F, Tower 2, Nina Tower, No. 8 Yeung Uk Road, Tsuen Wan, N.T. HK, Hong Kong

Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

> TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

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Compiled by:

Approved by:

Kevin yang (Project Engineer)

Sheek Luo (Reviewer)

Shlek.

Sheek Luo (Lab supervisor)

Mar. 17, 2017

Check No.: 2384397829







2 Version

6	Description	Date	Version No.
)	Original	Mar. 17, 2017	00
	7:5		











































































Page 3 of 61

3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	ANSI C63.10-2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2013	PASS
Conducted Peak Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	ANSI C63.10-2013/ KDB 558074 D01v03r05	PASS
6dB Occupied Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	ANSI C63.10-2013/ KDB 558074 D01v03r05	PASS
Power Spectral Density	ower Spectral Density	ANSI C63.10-2013/ KDB 558074 D01v03r05	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	ANSI C63.10-2013/ KDB 558074 D01v03r05	PASS
RF Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	ANSI C63.10-2013/ KDB 558074 D01v03r05	PASS
Radiated Spurious Emissions	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS

Remark:

Test according to ANSI C63.4-2014 & ANSI C63.10-2013.

The tested sample and the sample information are provided by the client.

This test report (Ref. No.: EED32I00208215) different with the original report (Ref. No.: EED32I00208205) is FCC ID.





Page 4 of 61

4 Content

1 COVER PAGE					
2 VERSION			•••••		
3 TEST SUMMARY			•••••		
4 CONTENT			•••••		
5 TEST REQUIREMENT				•••••	
5.1.2 For Radiated Em	est setup nissions test setup Emissions test setup				6
6 GENERAL INFORMATIO	N		•••••		
6.1 CLIENT INFORMATION 6.2 GENERAL DESCRIPTION 6.3 PRODUCT SPECIFICATION 6.4 DESCRIPTION OF SUPP 6.5 TEST LOCATION 6.6 TEST FACILITY 6.7 DEVIATION FROM STAN 6.8 ABNORMALITIES FROM 6.9 OTHER INFORMATION I 6.10 MEASUREMENT UNCE	N OF EUT ION SUBJECTIVE TO THIS PORT UNITS NDARDS STANDARD CONDITIONS. REQUESTED BY THE CUS	STANDARD			
7 EQUIPMENT LIST				•••••	10
8 RADIO TECHNICAL REG	QUIREMENTS SPECIFI	CATION	••••••	•••••	12
Appendix B): 6dB Occ Appendix C): Band-ed Appendix D): RF Conc Appendix E): Power S Appendix F): Antenna Appendix G): AC Powe Appendix H): Restricted	ed Peak Output Power. cupied Bandwidth ge for RF Conducted Educted Spurious Emission pectral Density Requirement er Line Conducted Emised bands around fundar Spurious Emissions	missionsonsssionssionssion	iated)		
PHOTOGRAPHS OF TEST					
PHOTOGRAPHS OF EUT	CONSTRUCTIONAL D	ETAILS	•••••	•••••	56

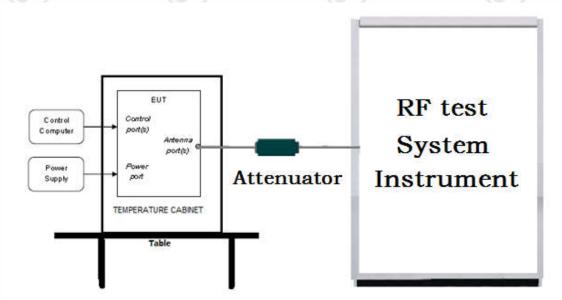




5 Test Requirement

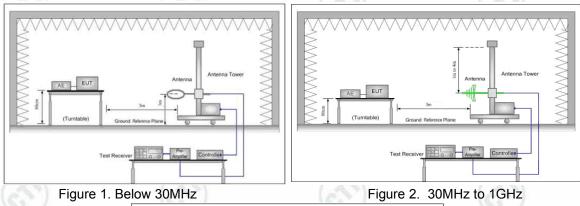
5.1 Test setup

5.1.1 For Conducted test setup



5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:



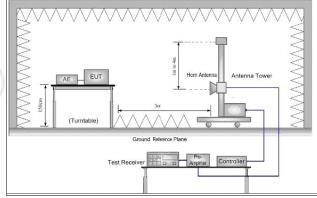


Figure 3. Above 1GHz











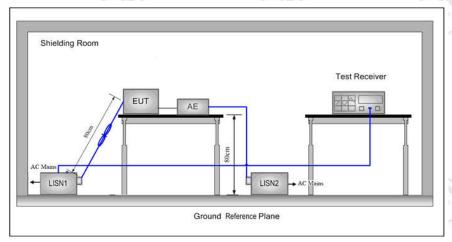
Page 5 of 61



Report No. : EED32I00208215 Page 6 of 61

5.1.3 For Conducted Emissions test setup

Conducted Emissions setup



5.2 Test Environment

Operating Environment:		(223))	(25)	(6	
Temperature:	21 °C				-	8
Humidity:	54 % RH					
Atmospheric Pressure:	1010mbar		- 1876			

5.3 Test Condition

Test channel:

Test Mode	Tv	RF Channel			
rest Mode	Tx	Low(L)	Middle(M)	High(H)	
902 11h/a/a/LIT20\	2412MHz ~2462 MHz	Channel 1	Channel 6	Channel11	
802.11b/g/n(HT20)		2412MHz	2437MHz	2462MHz	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.				

Test mode:

Pre-scan under all rate at highest channel 11

Mode			8	02.11b						
Data Rate		1Mbp	s 2Mbp	s 5.5Mb	ps '	11Mbps				
Power(dBm)		20.15	5 20.20	0 20.2	1	20.28				
Mode	1	802.11g				- 6				
Data Rate	1/3	6Mbp	s 9Mbp	s 12Mb	ps 1	8Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power(dBm)	19.38	3 19.3	6 19.3	3	19.30	19.27	19.25	19.20	19.10
Mode		802.11n (HT20)								
Data Rate	6.5	Mbps	13Mbps	19.5Mbp	s 26	Mbps 3	39Mbps	52Mbps	58.5Mbps	65Mbps
Power(dBm)	1	7.64	17.63	17.56	1	7.45	17.41	17.38	17.22	17.20

Through Pre-scan, 11Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20).





Report No. : EED32I00208215 Page 7 of 61

6 General Information

6.1 Client Information

Applicant:	BBPOS International Limited	
Address of Applicant:	Suite 1602, 16/F, Tower 2, Nina Tower, No. 8 Yeung Uk Road, Tsuen Wan, N.T. HK, Hong Kong	
Manufacturer:	BBPOS International Limited	/0~
Address of Manufacturer:	Suite 1602, 16/F, Tower 2, Nina Tower, No. 8 Yeung Uk Road, Tsuen Wan, N.T. HK, Hong Kong	

6.2 General Description of EUT

Product Name:	WisePad 2			
Mode No.(EUT):	WisePad 2			
Trade Mark:	BBPOS			
EUT Supports Radios application:	BT 2.1(2402MHz-2480MHz), BT 4.0(2402MHz-2480MHz), NFC(13.56MHz), WIFlb/g/n(HT20)(2412MHz-2462MHz), 2G(850MHz/1900MHz)			
Power Supply:	DC 3.7V by Battery DC 5V by USB port			
Battery:	Li-polymer 3.7V, 750mAh			
Sample Received Date:	Jul. 26. 2016			
Sample tested Date:	Jul. 26. 2016 to Aug. 25, 2016			

6.3 Product Specification subjective to this standard

IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz					
EEE 802.11b/g, IEEE 802.11n HT20: 11 Channels					
5MHz					
IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g :OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20) : OFDM (64QAM, 16QAM, QPSK,BPSK)					
Portable production					
Integral					
N/A					
BBPOS_Transaction					
1dBi					

Operation	Operation Frequency each of channel(802.11b/g/n HT20)						
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		

6.4 Description of Support Units

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
laptop	LENOVO	E46L	FCC DOC	СТІ
Mouse	LENOVO	LXH-EMS-10ZA	FCC DOC	CTI



Report No. : EED32I00208215 Page 8 of 61

6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China 518101

Telephone: +86 (0) 755 3368 3668 Fax:+86 (0) 755 3368 3385

No tests were sub-contracted.

6.6 Test Facility

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

CNAS-Lab Code: L1910

Centre Testing International Group Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories..

A2LA-Lab Cert. No. 3061.01

Centre Testing International Group Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 886427

Centre Testing International Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 886427.

IC-Registration No.: 7408A-2

The 3m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408A-2.

IC-Registration No.: 7408B-1

The 10m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408B-1.

NEMKO-Aut. No.: ELA503

Centre Testing International Group Co., Ltd. has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

VCCI

The Radiation 3 &10 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-4096.



Page 9 of 61

Main Ports Conducted Interference Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-4563.

Telecommunication Ports Conducted Disturbance Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-2146.

The Radiation 3 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-758

6.7 Deviation from Standards

None.

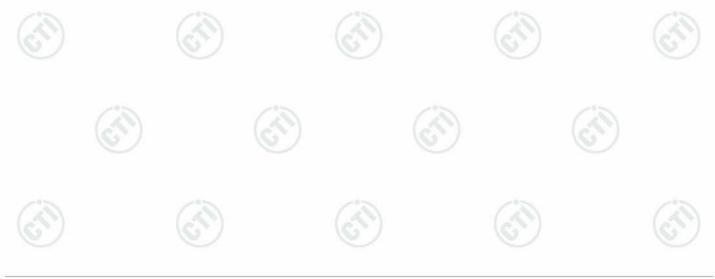
6.8 Abnormalities from Standard ConditionsNone.

6.9 Other Information Requested by the Customer

None.

6.10 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
2	DE nower conducted	0.31dB (30MHz-1GHz)
	RF power, conducted	0.57dB (1GHz-18GHz)
3	Dadiated Spurious emission test	4.5dB (30MHz-1GHz)
3	Radiated Spurious emission test	4.8dB (1GHz-12.75GHz)
4	Conduction emission	3.6dB (9kHz to 150kHz)
4	Conduction emission	3.2dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	2.8%
7	DC power voltages	0.025%





Page 10 of 61

7 Equipment List

		RF test	system		
Equipment	Manufacturer	anufacturer Mode No. Serial Number		Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Signal Generator	Keysight	E8257D	MY53401106	04-01-2016	03-31-2017
Communication test set test set	Agilent	N4010A	MY51400230	04-01-2016	03-31-2017
Spectrum Analyzer	Keysight	N9010A	MY54510339	04-01-2016	03-31-2017
Signal Generator	Keysight	N5182B	MY53051549	04-01-2016	03-31-2017
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002		01-12-2016	01-11-2017
High-pass filter	MICRO- TRONICS	SPA-F-63029-4	(21)	01-12-2016	01-11-2017
DC Power	Keysight	E3642A	MY54436035	04-01-2016	03-31-2017
PC-1	Lenovo	R4960d		04-01-2016	03-31-2017
power meter & power sensor	R&S	OSP120	101374	04-01-2016	03-31-2017
RF control unit	JS Tonscend	JS0806-2	158060006	04-01-2016	03-31-2017
BT&WI-FI Automatic test software	JS Tonscend	JS1120-2		04-01-2016	03-31-2017

	Conducted disturbance Test											
Equipment	Manufacturer	Mode No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)							
Receiver	R&S	ESCI	100009	06-16-2016	06-15-2017							
Temperature/ Humidity Indicator	TAYLOR	1451	1905	04-27-2016	04-26-2017							
Communication test set	Agilent	E5515C	GB47050534	04-01-2016	03-31-2017							
Communication test set	R&S	CMW500	152394	04-01-2016	03-31-2017							
LISN	R&S	ENV216	100098	06-16-2016	06-15-2017							
LISN	schwarzbeck	NNLK8121	8121-529	06-16-2016	06-15-2017							
Voltage Probe	R&S	ESH2-Z3		07-09-2014	07-07-2017							
Current Probe	R&S	EZ17	100106	06-16-2016	06-15-2017							
ISN	TESEQ GmbH	ISN T800	30297	01-29-2015	01-27-2017							
			•									















Page 11 of 61

	JIVI J	emi/full-anech				
Equipment	Manufacturer	acturer Mode No. S		Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)	
3M Chamber & Accessory Equipment	TDK	SAC-3		06-05-2016	06-05-2019	
TRILOG Broadband Antenna	SCHWARZBECK	VULB9163	9163-484	05-23-2016	05-22-2017	
Microwave Preamplifier	Agilent	8449B	3008A02425	02-04-2016	02-03-2017	
Horn Antenna	ETS-LINDGREN	3117	00057410	06-30-2015	06-28-2018	
Horn Antenna	A.H.SYSTEMS	SAS-574	374	06-30-2015	06-28-2018	
Loop Antenna	ETS	6502	00071730	07-30-2015	07-28-2017	
Spectrum Analyzer	R&S	FSP40	100416	06-16-2016	06-15-2017	
Receiver	R&S	ESCI	100435	06-16-2016	06-15-2017	
Multi device Controller	maturo	NCD/070/1071 1112		01-12-2016	01-11-2017	
LISN	schwarzbeck	NNBM8125	81251547	06-16-2016	06-15-2017	
LISN	schwarzbeck	NNBM8125	81251548	06-16-2016	06-15-2017	
Signal Generator	Agilent	E4438C	MY45095744	04-01-2016	03-31-2017	
Signal Generator	Keysight	E8257D	MY53401106	04-01-2016	03-31-2017	
Temperature/ Humidity Indicator	TAYLOR	1451	1905	04-27-2016	04-26-2017	
Communication test set	Agilent	E5515C	GB47050534	04-01-2016	03-31-2017	
Cable line	Fulai(7M)	SF106	5219/6A	01-12-2016	01-11-2017	
Cable line	Fulai(6M)	SF106	5220/6A	01-12-2016	01-11-2017	
Cable line	Fulai(3M)	SF106	5216/6A	01-12-2016	01-11-2017	
Cable line	Fulai(3M)	SF106	5217/6A	01-12-2016	01-11-2017	
Communication test set	R&S	CMW500	152394	04-01-2016	03-31-2017	
High-pass filter	Sinoscite	FL3CX03WG1 8NM12-0398- 002		01-12-2016	01-11-2017	
High-pass filter	MICRO-TRONICS	SPA-F-63029- 4	(01)	01-12-2016	01-11-2017	
band rejection filter	Sinoscite	FL5CX01CA09 CL12-0395- 001		01-12-2016	01-11-2017	
band rejection filter	Sinoscite	FL5CX01CA08 CL12-0393- 001		01-12-2016	01-11-2017	
band rejection filter	Sinoscite	FL5CX02CA04 CL12-0396- 002		01-12-2016	01-11-2017	
band rejection filter	Sinoscite	FL5CX02CA03 CL12-0394- 001	(4)	01-12-2016	01-11-2017	













Report No. : EED32I00208215 Page 12 of 61

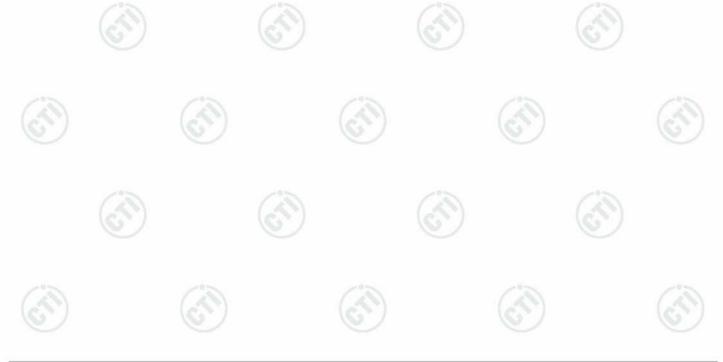
8 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	FCC Part15C (2015)	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicesed Wireless Devices

Test Results List:

Test Requirement	Test method	Test item	Verdict	Note
Part15C Section 15.247 (b)(3)	ANSI C63.10/ KDB 558074	Conducted Peak Output Power	PASS	Appendix A)
Part15C Section 15.247 (a)(2)	ANSI C63.10/ KDB 558074	6dB Occupied Bandwidth	PASS	Appendix B)
Part15C Section 15.247(d)	ANSI C63.10/ KDB 558074	Band-edge for RF Conducted Emissions	PASS	Appendix C)
Part15C Section 15.247(d)	ANSI C63.10/ KDB 558074	RF Conducted Spurious Emissions	PASS	Appendix D)
Part15C Section 15.247 (e)	ANSI C63.10/ KDB 558074	Power Spectral Density	PASS	Appendix E)
Part15C Section 15.203/15.247 (c)	ANSI C63.10	Antenna Requirement	PASS	Appendix F)
Part15C Section 15.207	ANSI C63.10	AC Power Line Conducted Emission	PASS	Appendix G)
Part15C Section 15.205/15.209	ANSI C63.10	Restricted bands around fundamental frequency (Radiated Emission)	PASS	Appendix H)
Part15C Section 15.205/15.209	ANSI C63.10	Radiated Spurious Emissions	PASS	Appendix I)



 $Hot line: 400-6788-333 \\ www.cti-cert.com \\ E-mail: info@cti-cert.com \\ Complaint call: 0755-33681700 \\ Complaint E-mail: complaint@cti-cert.com \\ Complaint call: 0755-33681700 \\ Complaint E-mail: complaint Call: 0755-33681700 \\ Call: 0$



Report No.: EED32I00208215 Page 13 of 61

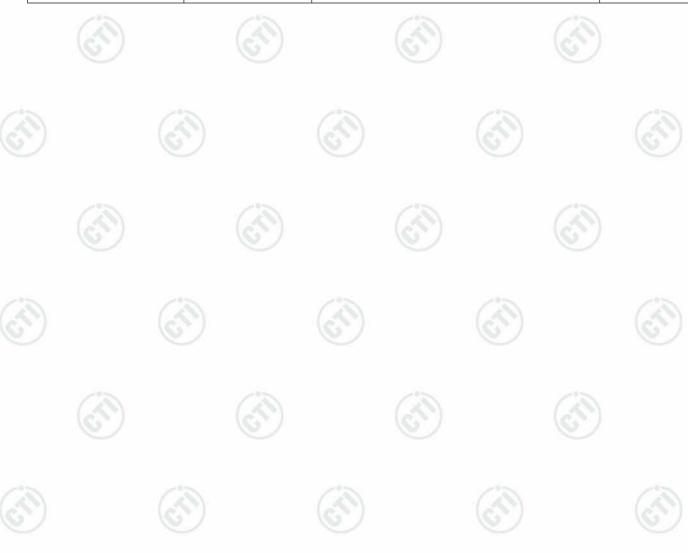
Appendix A): Conducted Peak Output Power

- <u>Test Procedure</u>

 1. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously.
- 3. Measure the conducted output power and record the results in the test report.

Result Table

Mode	Channel	Conducted Peak Output Power [dBm]	Verdict
11B	LCH	20.28	PASS
11B	MCH	20.23	PASS
11B	HCH	19.89	PASS
11G	LCH	19.38	PASS
11G	MCH	19.16	PASS
11G	HCH	18.82	PASS
11N20SISO	LCH	17.64	PASS
11N20SISO	MCH	17.53	PASS
11N20SISO	НСН	17.04	PASS



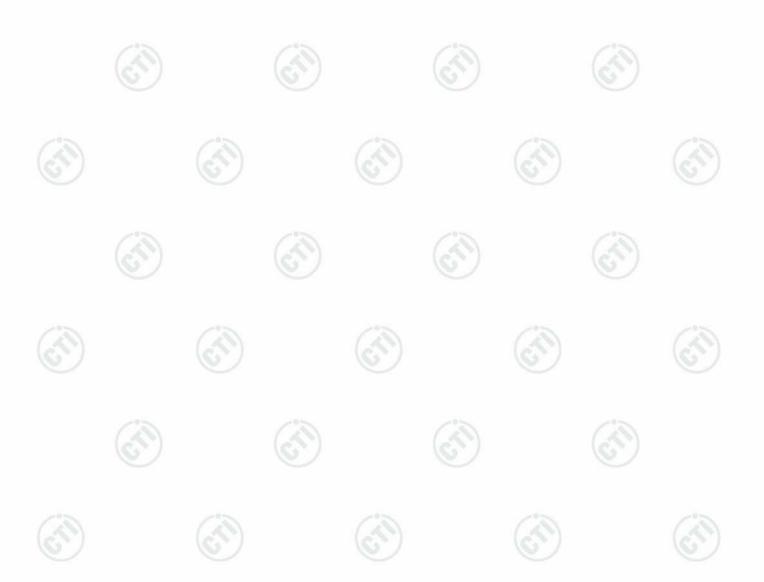


Report No. : EED32I00208215 Page 14 of 61

Appendix B): 6dB Occupied Bandwidth

Result Table

Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict	Remark
11B	LCH	8.063	12.399	PASS	/3
11B	MCH	7.963	12.392	PASS	
11B	HCH	7.694	12.375	PASS	
11G	LCH	15.73	16.321	PASS	
11G	MCH	16.01	16.322	PASS	Peak
11G	НСН	15.35	16.327	PASS	detector
11N20SISO	LCH	16.33	17.512	PASS	
11N20SISO	MCH	16.32	17.506	PASS	
11N20SISO	НСН	16.70	17.503	PASS	(1)





Test Graph





































Report No.: EED32I00208215 Page 18 of 61

Appendix C): Band-edge for RF Conducted Emissions

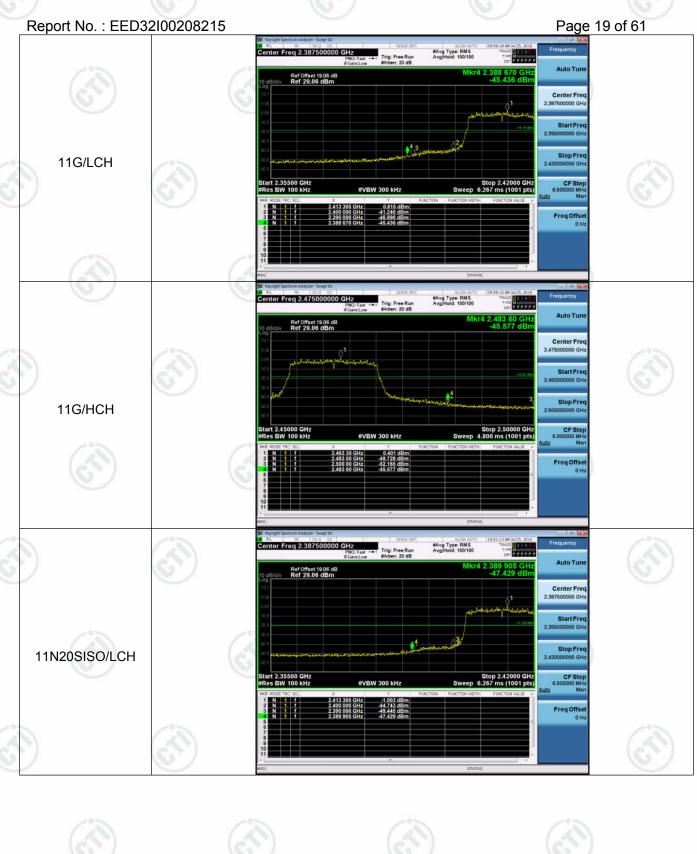
Result Table

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	5.856	-48.550	-14.14	PASS
11B	НСН	4.965	-49.607	-15.04	PASS
11G	LCH	0.815	-45.436	-19.19	PASS
11G	НСН	0.401	-45.577	-19.6	PASS
11N20SISO	LCH	-1.003	-47.429	-21	PASS
11N20SISO	НСН	-1.703	-48.863	-21.7	PASS

Test Graph









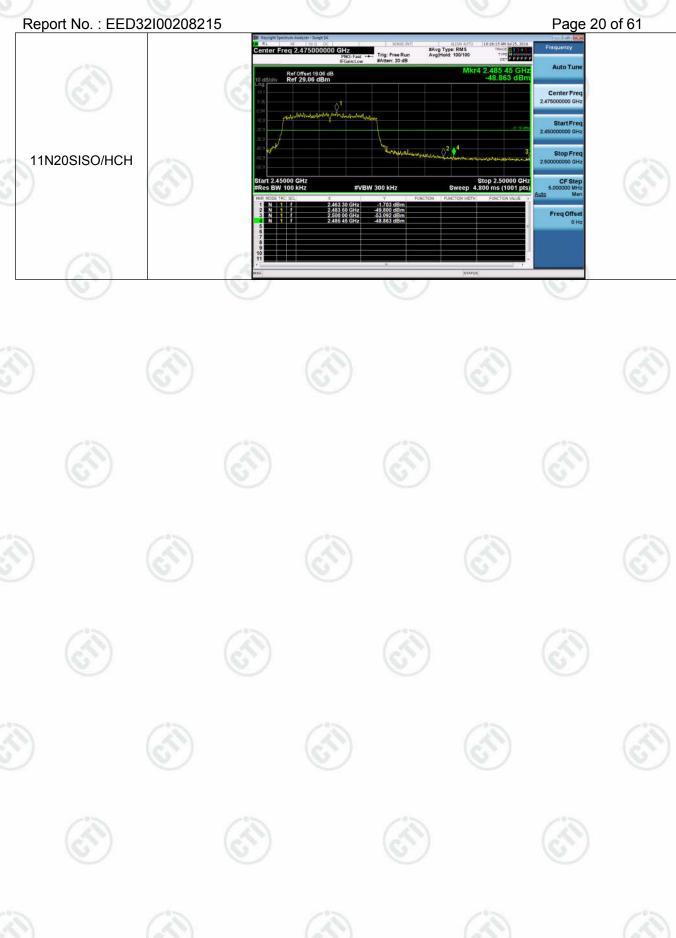














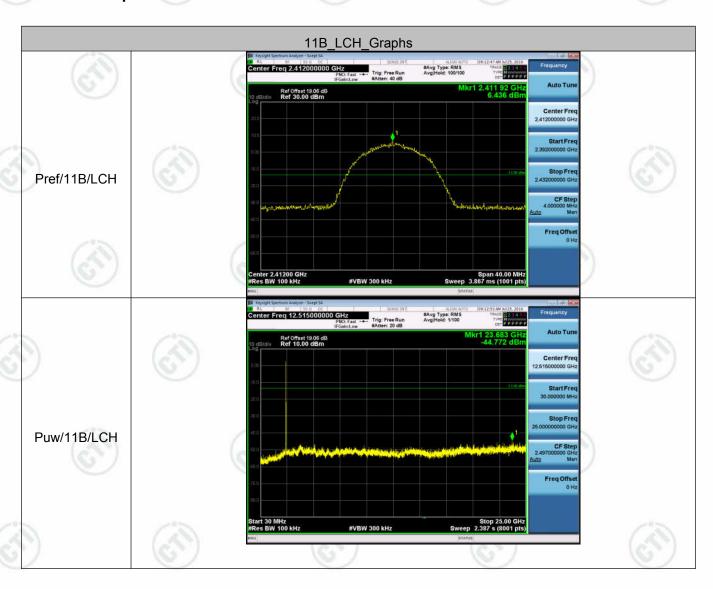
Report No.: EED32I00208215 Page 21 of 61

Appendix D): RF Conducted Spurious Emissions

Result Table

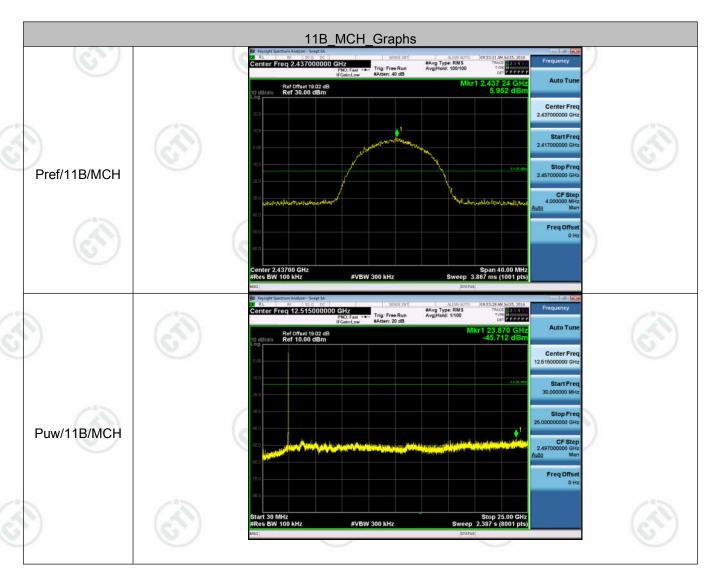
	1.10		1000	
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	LCH	6.436	<limit< td=""><td>PASS</td></limit<>	PASS
11B	MCH	5.952	<limit< td=""><td>PASS</td></limit<>	PASS
11B	НСН	5.483	<limit< td=""><td>PASS</td></limit<>	PASS
11G	LCH	0.73	<limit< td=""><td>PASS</td></limit<>	PASS
11G	МСН	0.704	<limit< td=""><td>PASS</td></limit<>	PASS
11G	нсн	0.501	<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	LCH	-1.203	<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	MCH	-1.084	<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	HCH	-1.647	<limit< td=""><td>PASS</td></limit<>	PASS

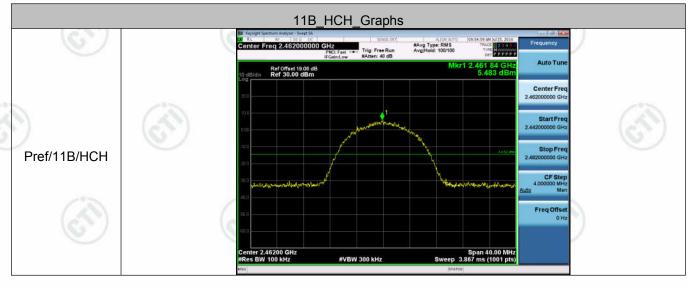
Test Graph













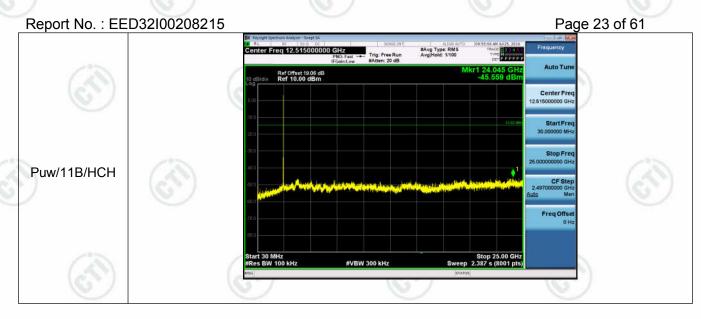




















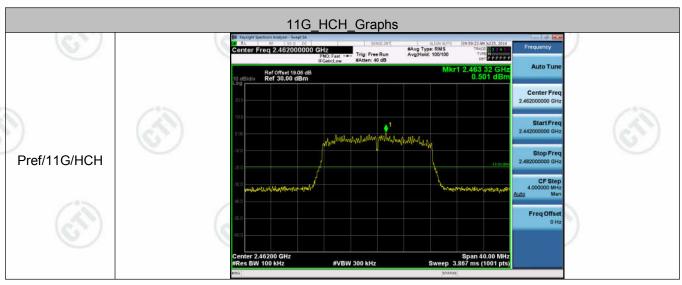




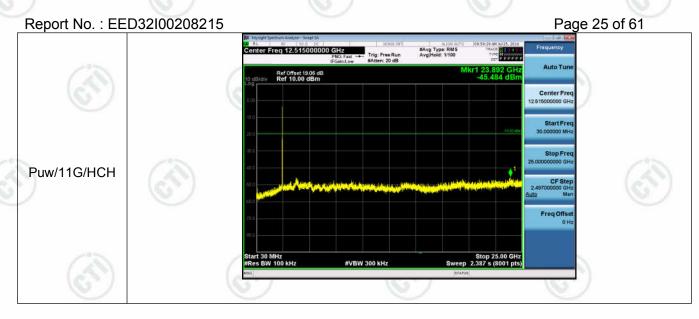


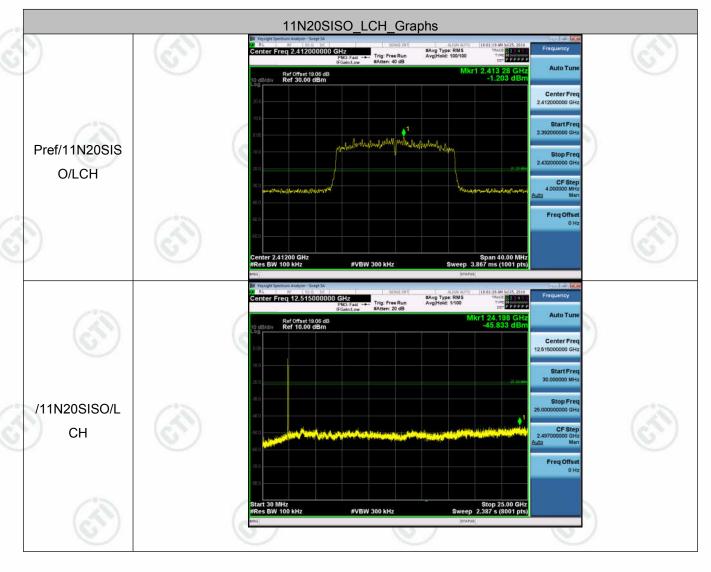
















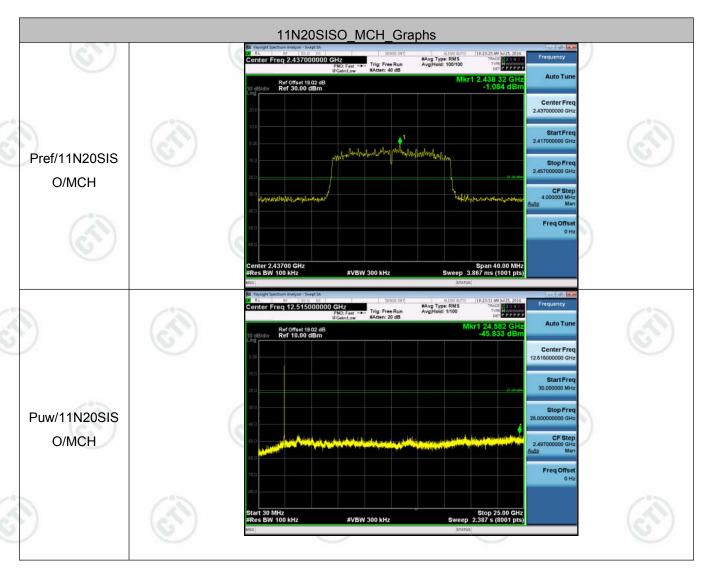


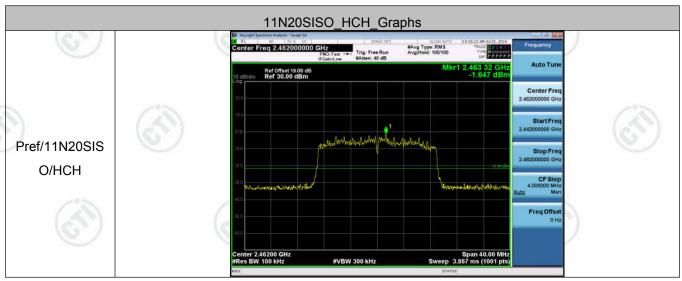




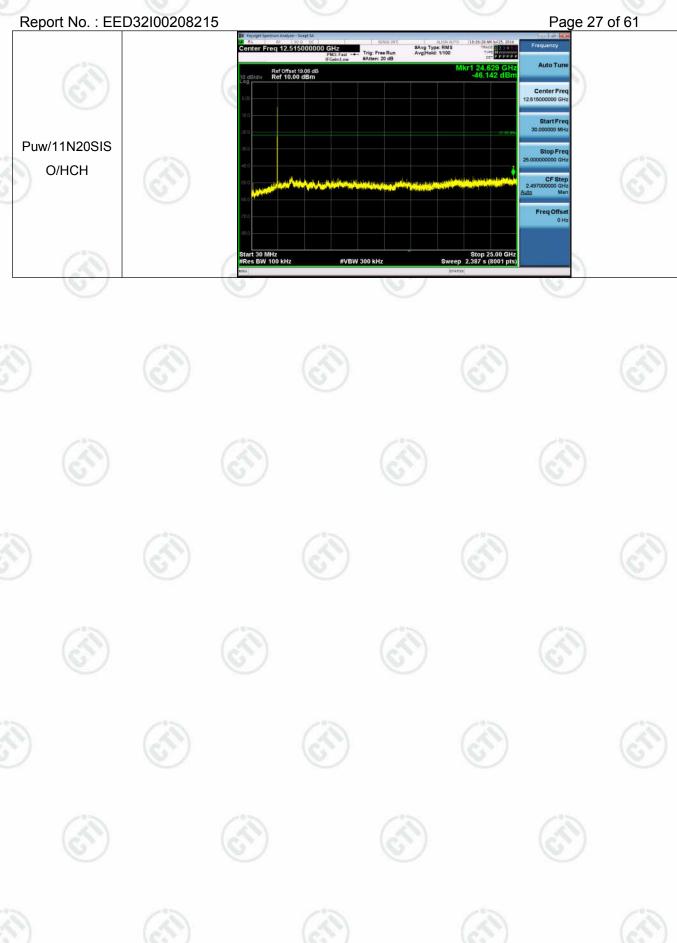












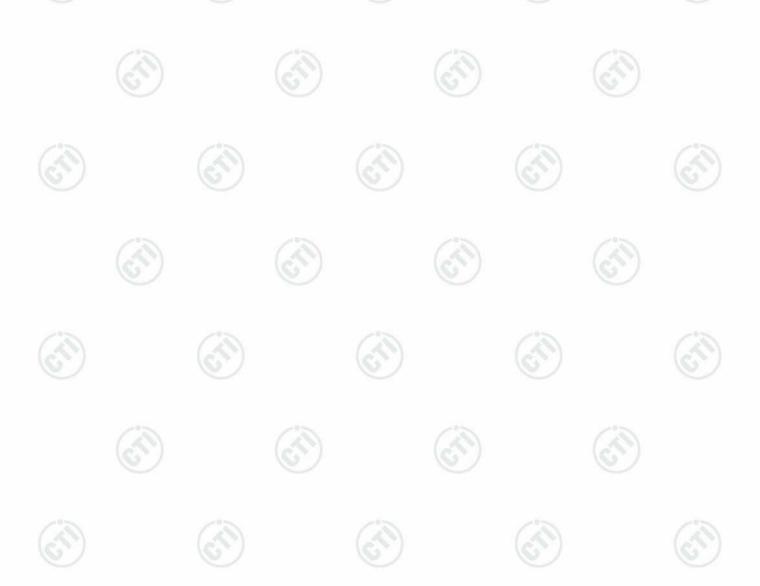


Report No. : EED32I00208215 Page 28 of 61

Appendix E): Power Spectral Density

Result Table

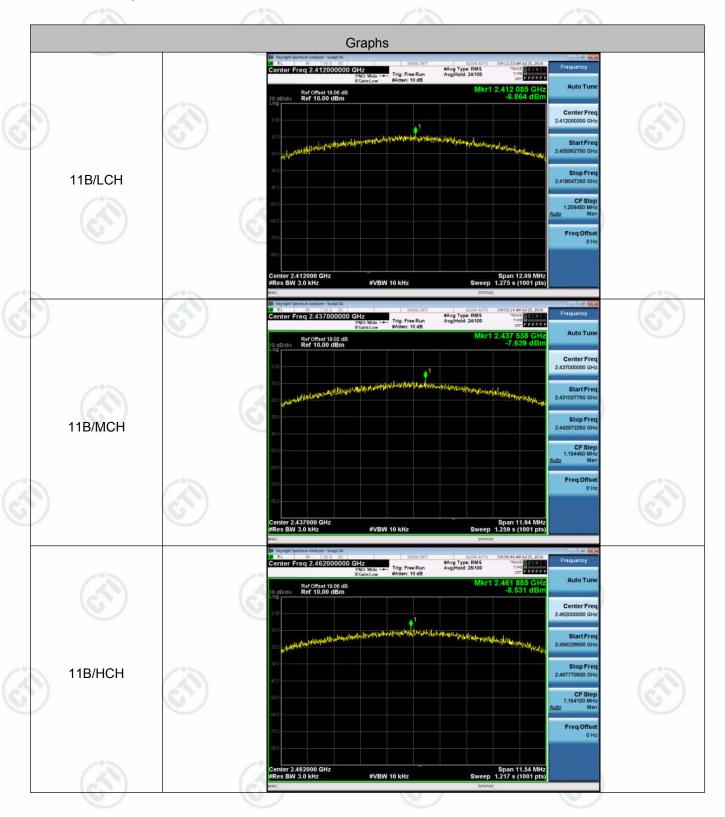
Mode	Channel	Power Spectral Density [dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	LCH	-8.864	8	PASS
11B	MCH	-7.639	8	PASS
11B	НСН	-8.531	8	PASS
11G	LCH	-13.902	8	PASS
11G	MCH	-14.834	8	PASS
11G	НСН	-14.498	8	PASS
11N20SISO	LCH	-16.245	8	PASS
11N20SISO	MCH	-16.440	8	PASS
11N20SISO	HCH	-17.531	8	PASS





Test Graph







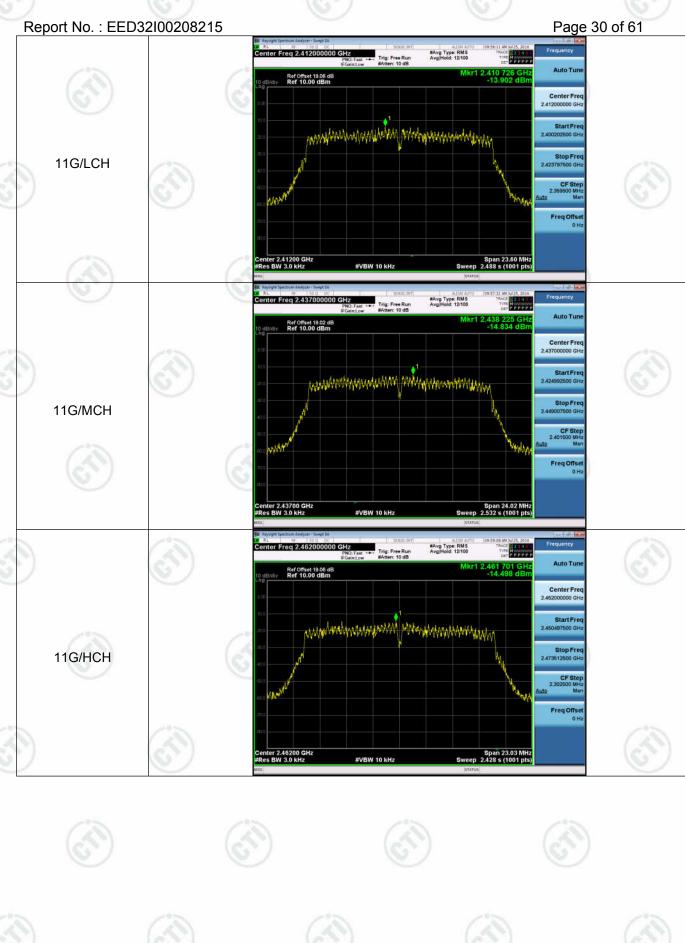




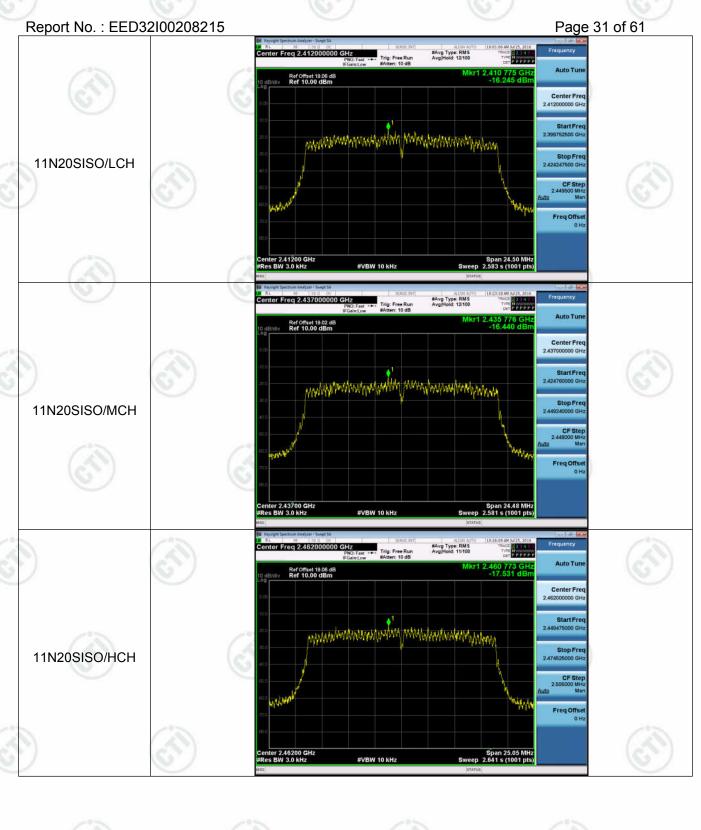
























Report No.: EED32I00208215 Page 32 of 61

Appendix F): Antenna Requirement

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:

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.

FUT Antenna

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1dBi.







Report No. : EED32I00208215 Page 33 of 61

Test Procedure:	Test frequency range :150KHz-30MHz 1)The mains terminal disturbance voltage test was conducted in a shielded room.								
	The EUT was connected Stabilization Network) wh power cables of all other which was bonded to the the unit being measured.	hich provides a 50Ω units of the EUT was ground reference pla	$\mu/50\mu H + 5\Omega$ linear imported to a seconnected to a seconne in the same way as	pedance. The cond LISN 2 the LISN 1 fo					
	power cables to a single L exceeded.								
	3)The tabletop EUT was plated reference plane. And for horizontal ground reference.	floor-standing arrang e plane,	gement, the EUT was	placed on the					
	4) The test was performed wishall be 0.4 m from the reference plane was bond was placed 0.8 m from the reference plane for LISN distance was between the of the ELT and appointed.	e vertical ground re ded to the horizontal e boundary of the un s mounted on top of closest points of the	ference plane. The ver- ground reference plane it under test and bonder of the ground reference ELISN 1 and the EUT.	ertical ground e. The LISN 1 ed to a ground e plane. This All other units					
	of the EUT and associated 5) In order to find the maximuthe interface cables mus measurement.	m emission, the rela	tive positions of equipn	nent and all o					
_imit:									
	Frequency range (MHz)	Limit	Limit (dBµV)						
	Trequerity runge (Williz)	Quasi-peak	Average						
	0.15-0.5	66 to 56*	56 to 46*						
	0.5-5	56	46						
	5-30	60	50						
	* The limit decreases linearly to 0.50 MHz. NOTE: The lower limit is app	_		nge 0.15 MHz					
	NOTE: THE lower limit is app	illoable at the transition	on inequency						
easurement Data									
n initial pre-scan wa	as performed on the live and neu	tral lines with peak d	etector.						
uasi-Peak and Ave	rage measurement were perform	ed at the frequencies	s with maximized peak	emission were					
etected.									

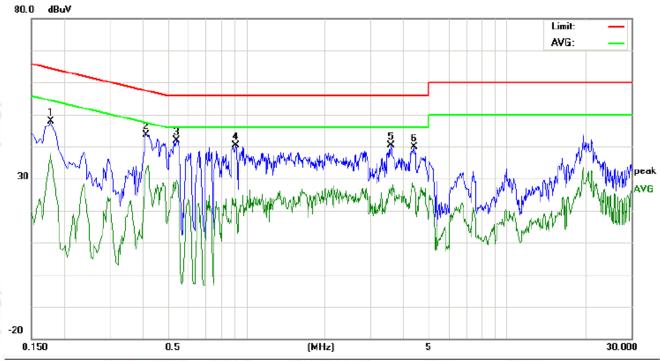








Live line:



No.	Freq.		ding_Le dBuV)	vel	Correct Factor	N	leasuren (dBuV)			nit uV)		rgin dB)		
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1779	37.99	34.00	28.17	9.80	47.79	43.80	37.97	64.58	54.58	-20.78	-16.61	Р	
2	0.4138	33.82	30.60	22.55	9.90	43.72	40.50	32.45	57.57	47.57	-17.07	-15.12	Р	
3	0.5420	31.99	28.45	19.44	9.90	41.89	38.35	29.34	56.00	46.00	-17.65	-16.66	P	
4	0.9100	30.48	25.30	13.70	10.00	40.48	35.30	23.70	56.00	46.00	-20.70	-22.30	Р	
5	3.5899	30.48	25.40	17.02	10.00	40.48	35.40	27.02	56.00	46.00	-20.60	-18.98	Р	
6	4.4259	29.89	24.30	17.53	10.00	39.89	34.30	27.53	56.00	46.00	-21.70	-18.47	P	

































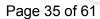




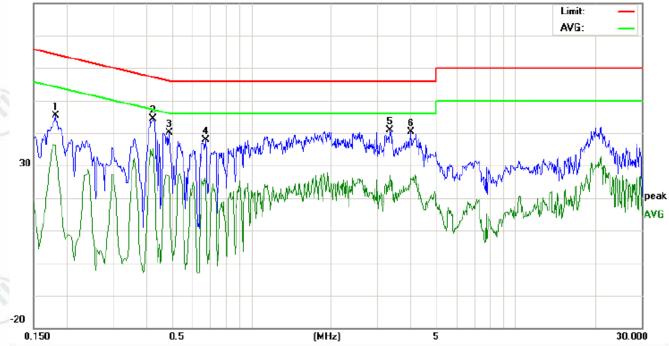








Neutral line: 80.0 dBuV



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1819	35.47	32.40	26.50	9.80	45.27	42.20	36.30	64.39	54.39	-22.19	-18.09	Р	
2	0.4259	34.36	30.10	25.24	9.90	44.26	40.00	35.14	57.33	47.33	-17.33	-12.19	Р	
3	0.4899	30.21	26.17	16.81	9.90	40.11	36.07	26.71	56.17	46.17	-20.10	-19.46	P	
4	0.6740	27.96	23.00	14.95	9.90	37.86	32.90	24.85	56.00	46.00	-23.10	-21.15	Р	
5	3.3580	30.88	26.20	16.81	10.00	40.88	36.20	26.81	56.00	46.00	-19.80	-19.19	Р	
6	4.0339	30.41	25.30	16.16	10.00	40.41	35.30	26.16	56.00	46.00	-20.70	-19.84	Р	

Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.



































Report No. : EED32I00208215 Page 36 of 61

Appendix H): Restricted bands around fundamental frequency (Radiated)

(Radiated)							
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark		
	30MHz-1GHz	Quasi-peak 120kH		300kHz	Quasi-peak		
	Ab 4 O L I -	Peak	1MHz	3MHz	Peak		
	Above 1GHz	Peak	1MHz	10Hz	Average	-05	
Test Procedure:	Bolow 1GHz tost proced	uro as bolow:	(2)		(3	
Limit:	 Below 1GHz test procedure as below: a. The EUT was placed on the top of a rotating table 0.8 meters above the gat a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the grodetermine the maximum value of the field strength. Both horizontal and variable to the maximum value of the field strength. Both horizontal and variable to the maximum value of the field strength. Both horizontal and variable to the maximum value of the field strength. d. For each suspected emission, the EUT was arranged to its worst case and the antenna was tuned to heights from 1 meter to 4 meters and the rotata was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restrict bands. Save the spectrum analyzer plot. Repeat for each power and mode for lowest and highest channel Above 1GHz test procedure as below: g. Different between above is the test site, change from Semi- Anechoic Charlot to fully Anechoic Chamber change form table 0.8 meter to 1.5 meter (About 18GHz the distance is 1 meter and table is 1.5 meter). h. Test the EUT in the lowest channel, the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse cas. j. Repeat above procedures until all frequencies measured was complete. 						
-mine.	Frequency	Limit (dBµV/r		- /	mark		
	30MHz-88MHz	40.0			eak Value		
		43.5		Quasi-pe	eak Value		
	88MHz-216MHz			_			
	216MHz-960MHz	46.0		· ·	eak Value		
				Quasi-pe	eak Value		
	216MHz-960MHz	46.0	انر	Quasi-pe			

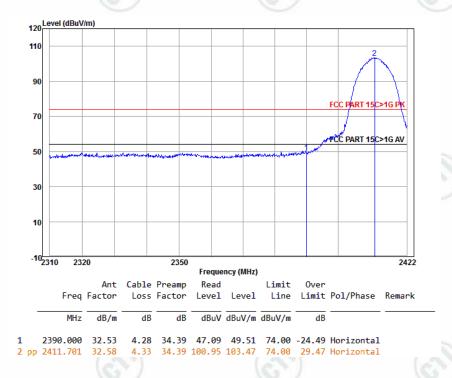




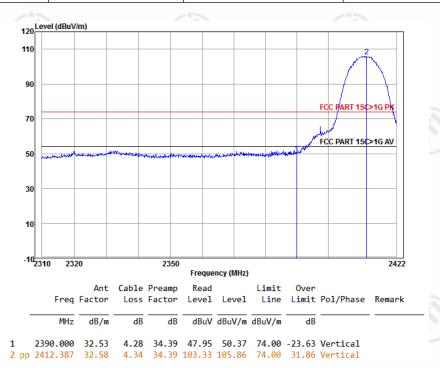
Test plot as follows:

Worse case mode:	802.11b (11Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak

Page 37 of 61



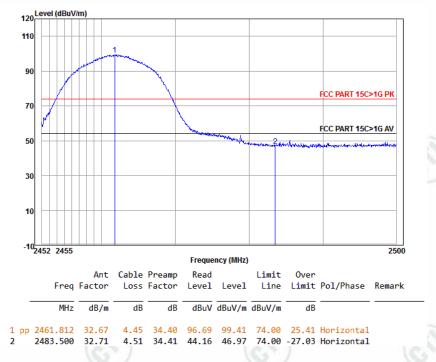
Worse case mode:	802.11b (11Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



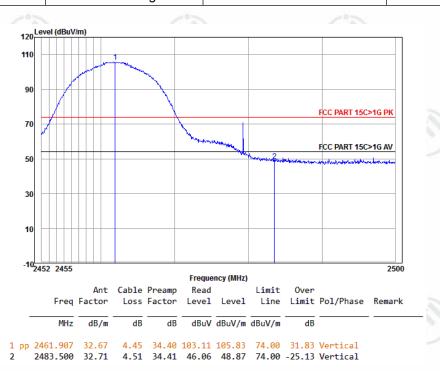


Report No.: EED32I00208215 Page 38 of 61

Worse case mode:	802.11b (11Mbps)	/°S	/3
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



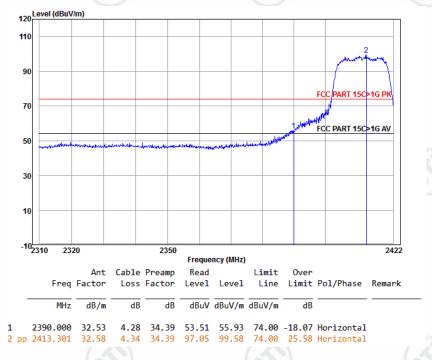
Worse case mode:	802.11b (11Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



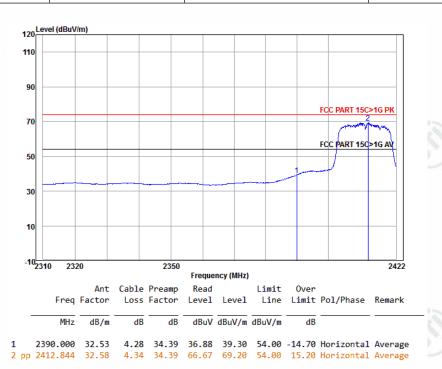


Report No. : EED32I00208215 Page 39 of 61

Worse case mode:	802.11g (6Mbps)	7.5	225
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



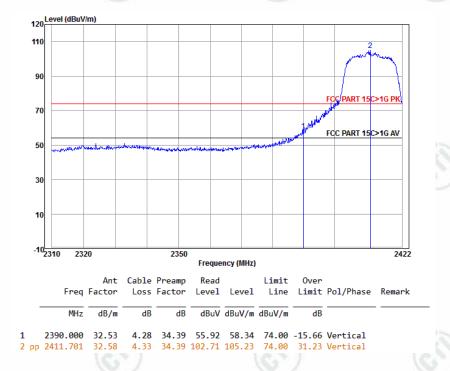
Worse case mode:	802.11g (6Mbps)		0
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: average





Report No.: EED32I00208215 Page 40 of 61

Worse case mode:	802.11g (6Mbps)	15
Frequency: 2390.0MHz	Test channel: Lowest Polarization: Vertice	cal Remark: Peak



10/2 = 2 = 2 = 2 = 2 = 4 = 2	000 44 = (CM/h = =)		
Worse case mode:	802.11g (6Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: average

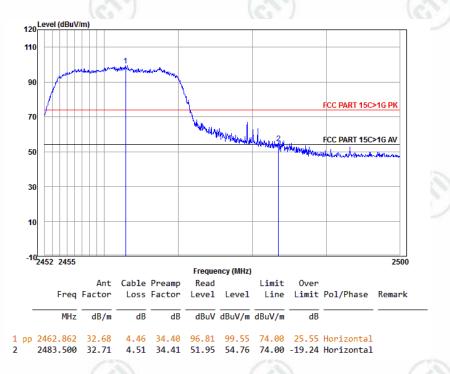




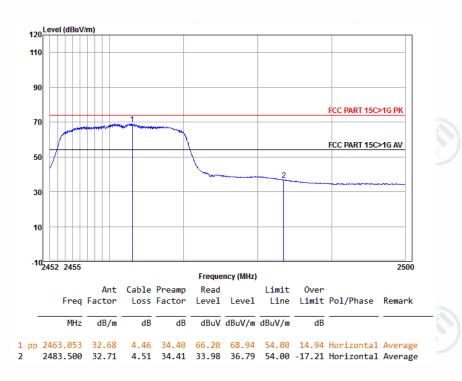
Page 41 of 61

Worse case mode: 802.11g (6Mbps)

Frequency: 2483.5MHz Test channel: Highest Polarization: Horizontal Remark: Peak



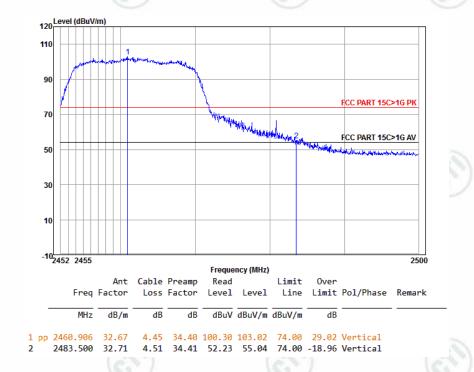
Worse case mode:	802.11g (6Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Horizontal	Remark: average



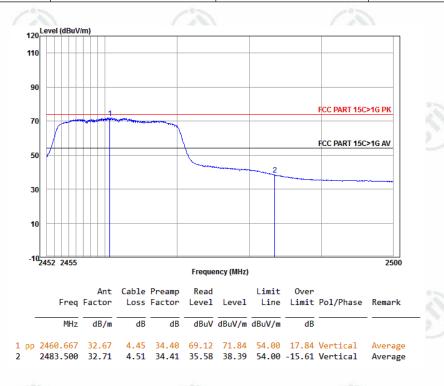


Report No.: EED32I00208215 Page 42 of 61

Worse case mode:	802.11g (6Mbps)	/13	/3
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



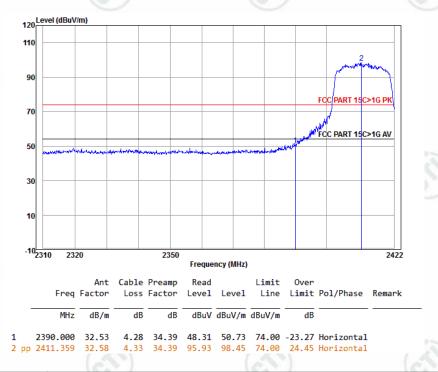
Worse case mode:	802.11g (6Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Vertical	Remark: average



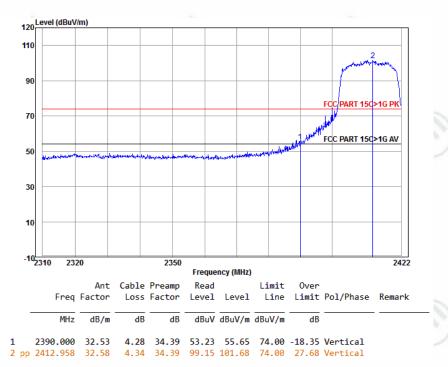


Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak

Page 43 of 61



Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



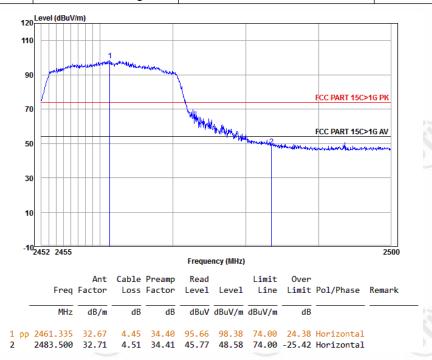


Report No.: EED32I00208215 Page 44 of 61

Worse case mode:	802.11n(HT20) (6.5Mbps)	7.5	
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: average



I	Worse case mode:	802.11n(HT20) (6.5Mb)	os)	6
	Frequency: 2483.5MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak





Report No.: EED32I00208215 Page 45 of 61

Worse case mode:	802.11n(HT20) (6.5Mbps)	(2)	
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



Remark:

- 1) Through Pre-scan transmitter mode with all kind of modulation and data rate, find the 11Mbps of rate is the worst case of 802.11b; 6Mbpsof rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20), and then Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor





Report No.: EED32I00208215 Page 46 of 61

Appendix I): Radiated Spurious Emissions

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
Above 10Uz	Peak	1MHz	3MHz	Peak
Above 1GHz	Peak	1MHz	10Hz	Average

Test Procedure:

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter (Above 18GHz the distance is 1 meter and table is 1.5 meter)..
- h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
- Repeat above procedures until all frequencies measured was complete.

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L	-11		ш	ι.

Frequency	Field strength (microvolt/meter)	Limit (dBµV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	(3)	30
1.705MHz-30MHz	30	-	(0,2)	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	z-960MHz 200		Quasi-peak	3
960MHz-1GHz	60MHz-1GHz 500		Quasi-peak	3
Above 1GHz	Above 1GHz 500		Average	3

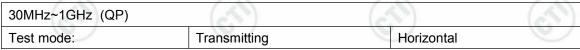
Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

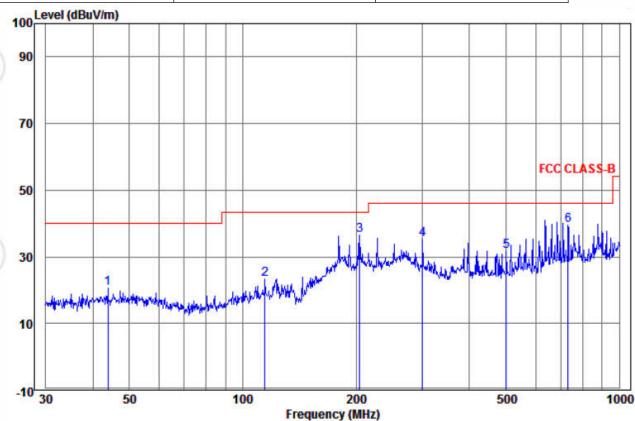


Report No.: EED32I00208215 Page 47 of 61

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz





	Freq	Ant Factor	Cable Loss	Read Level		Limit Line		Pol/Phase	Remark
-	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		7
1	43.812	14.57	0.88	4.99	20.44	40.00	-19.56	Horizontal	
2	114.515	12.03	1.57	9.81	23.41	43.50	-20.09	Horizontal	
3	204.238	11.68	2.22	22.48	36.38	43.50	-7.12	Horizontal	
4	300.367	13.51	2.38	19.34	35.23	46.00	-10.77	Horizontal	
5	501.179	18.40	3.13	10.26	31.79	46.00	-14.21	Horizontal	
6 pp	731.920	20.89	3.97	14.69	39.55	46.00	-6.45	Horizontal	















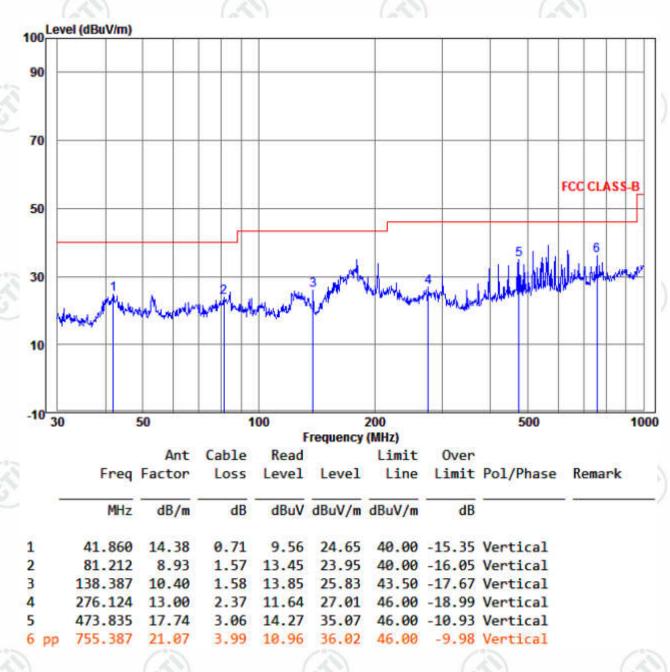






Report No. : EED32I00208215 Page 48 of 61

Test mode: Transmitting	Vertical
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Report No. : EED32I00208215 Page 49 of 61

Transmitter Emission above 1GHz

Test mode:	802.11b(11	(11Mbps) Test Frequency: 2412MHz				Remark: Peak			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Result	Antenna Polaxis
1188.980	30.20	2.50	34.98	46.02	43.74	74	-30.26	Pass	Horizontal
1889.633	31.54	3.15	34.37	43.80	44.12	74	-29.88	Pass	Horizontal
3225.037	33.40	5.57	34.53	45.01	49.45	74	-24.55	Pass	Horizontal
4824.000	34.73	5.10	34.35	43.26	48.74	74	-25.26	Pass	Horizontal
7236.000	36.42	6.69	34.90	38.54	46.75	74	-27.25	Pass	Horizontal
9648.000	37.93	7.70	35.07	37.21	47.77	74	-26.23	Pass	Horizontal
1303.086	30.46	2.63	34.86	45.13	43.36	74	-30.64	Pass	Vertical
1870.490	31.51	3.14	34.39	45.10	45.36	74	-28.64	Pass	Vertical
3653.463	33.05	5.50	34.57	43.37	47.35	74	-26.65	Pass	Vertical
4821.757	34.73	5.11	34.35	43.07	48.56	74	-25.44	Pass	Vertical
7236.000	36.42	6.69	34.90	39.99	48.20	74	-25.80	Pass	Vertical
9648.000	37.93	7.70	35.07	37.92	48.48	74	-25.52	Pass	Vertical

Test mode:	802.11b(11	Mbps)	Test Freq	Frequency: 2437MHz Remark: Peak					
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Result	Antenna Polaxis
1428.142	30.73	2.76	34.74	43.79	42.54	74	-31.46	Pass	Horizontal
1851.542	31.48	3.12	34.40	44.23	44.43	74	-29.57	Pass	Horizontal
3893.520	32.88	5.46	34.59	43.17	46.92	74	-27.08	Pass	Horizontal
4874.000	34.84	5.09	34.33	41.98	47.58	74	-26.42	Pass	Horizontal
7311.000	36.43	6.76	34.90	38.61	46.90	74	-27.10	Pass	Horizontal
9748.000	38.03	7.61	35.05	36.33	46.92	74	-27.08	Pass	Horizontal
1207.279	30.24	2.52	34.96	45.07	42.87	74	-31.13	Pass	Vertical
1755.164	31.32	3.05	34.47	44.31	44.21	74	-29.79	Pass	Vertical
3598.087	33.09	5.51	34.56	44.30	48.34	74	-25.66	Pass	Vertical
4874.000	34.84	5.09	34.33	42.04	47.64	74	-26.36	Pass	Vertical
7311.000	36.43	6.76	34.90	41.37	49.66	74	-24.34	Pass	Vertical
9748.000	38.03	7.61	35.05	37.76	48.35	74	-25.65	Pass	Vertical















Page 50 of 61

Test mode:	802.11b(11	Mbps)	Test Freq	uency: 24	62MHz	Remark: Peak			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Result	Antenna Polaxis
1235.257	30.31	2.56	34.93	45.08	43.02	74	-30.98	Pass	Horizontal
1786.719	31.37	3.07	34.45	42.96	42.95	74	-31.05	Pass	Horizontal
3480.968	33.19	5.53	34.55	42.41	46.58	74	-27.42	Pass	Horizontal
4924.000	34.94	5.07	34.32	41.70	47.39	74	-26.61	Pass	Horizontal
7386.000	36.44	6.83	34.90	39.83	48.20	74	-25.80	Pass	Horizontal
9848.000	38.14	7.53	35.03	38.09	48.73	74	-25.27	Pass	Horizontal
1188.980	30.20	2.50	34.98	45.60	43.32	74	-30.68	Pass	Vertical
1800.416	31.40	3.08	34.44	43.45	43.49	74	-30.51	Pass	Vertical
3436.944	33.22	5.53	34.55	43.01	47.21	74	-26.79	Pass	Vertical
4924.000	34.94	5.07	34.32	41.67	47.36	74	-26.64	Pass	Vertical
7386.000	36.44	6.83	34.90	40.81	49.18	74	-24.82	Pass	Vertical
9848.000	38.14	7.53	35.03	37.20	47.84	74	-26.16	Pass	Vertical

Test mode:	802.11g(6N	lbps)	Test Frequency: 2412MHz			Remark: Peak				
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Result	Antenna Polaxis	
1188.980	30.20	2.50	34.98	45.87	43.59	74	-30.41	Pass	Horizontal	
1791.273	31.38	3.08	34.44	42.95	42.97	74	-31.03	Pass	Horizontal	
3552.582	33.13	5.51	34.56	43.03	47.11	74	-26.89	Pass	Horizontal	
4824.000	34.73	5.10	34.35	42.81	48.29	74	-25.71	Pass	Horizontal	
7236.000	36.42	6.69	34.90	41.18	49.39	74	-24.61	Pass	Horizontal	
9648.000	37.93	7.70	35.07	38.29	48.85	74	-25.15	Pass	Horizontal	
1213.441	30.26	2.53	34.95	44.63	42.47	74	-31.53	Pass	Vertical	
1597.401	31.05	2.92	34.59	45.99	45.37	74	-28.63	Pass	Vertical	
3308.185	33.33	5.56	34.53	44.69	49.05	74	-24.95	Pass	Vertical	
4824.000	34.73	5.10	34.35	44.17	49.65	74	-24.35	Pass	Vertical	
7236.000	36.42	6.69	34.90	41.92	50.13	74	-23.87	Pass	Vertical	
9648.000	37.93	7.70	35.07	38.85	49.41	74	-24.59	Pass	Vertical	















Page 51 of 61

Test mode:	802.11g(6M	lbps)	Test Fred	quency: 24	37MHz	Remark: Peak				
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Result	Antenna Polaxis	
1195.049	30.21	2.51	34.97	44.84	42.59	74	-31.41	Pass	Horizontal	
1809.605	31.41	3.09	34.43	43.40	43.47	74	-30.53	Pass	Horizontal	
3057.166	33.55	5.61	34.51	43.54	48.19	74	-25.81	Pass	Horizontal	
4874.000	34.84	5.09	34.33	42.37	47.97	74	-26.03	Pass	Horizontal	
7311.000	36.43	6.76	34.90	42.54	50.83	74	-23.17	Pass	Horizontal	
9748.000	38.03	7.61	35.05	36.85	47.44	74	-26.56	Pass	Horizontal	
1263.883	30.38	2.59	34.9	44.25	42.32	74	-31.68	Pass	Vertical	
1809.605	31.41	3.09	34.43	43.09	43.16	74	-30.84	Pass	Vertical	
3176.155	33.44	5.58	34.52	43.71	48.21	74	-25.79	Pass	Vertical	
4874.000	34.84	5.09	34.33	43.54	49.14	74	-24.86	Pass	Vertical	
7311.000	36.43	6.76	34.9	41.42	49.71	74	-24.29	Pass	Vertical	
9748.000	38.03	7.61	35.05	38.48	49.07	74	-24.93	Pass	Vertical	

Test mode:	Test mode: 802.11g(6Mbps)			uency: 24	62MHz	Remark: Peak				
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Result	Antenna Polaxis	
1241.562	30.32	2.56	34.92	44.68	42.64	74	-31.36	Pass	Horizontal	
1634.419	31.12	2.95	34.56	43.80	43.31	74	-30.69	Pass	Horizontal	
3342.042	33.30	5.55	34.54	43.69	48.00	74	-26.00	Pass	Horizontal	
4924.000	34.94	5.07	34.32	42.05	47.74	74	-26.26	Pass	Horizontal	
7386.000	36.44	6.83	34.90	41.01	49.38	74	-24.62	Pass	Horizontal	
9848.000	38.14	7.53	35.03	37.55	48.19	74	-25.81	Pass	Horizontal	
1263.883	30.38	2.59	34.90	44.13	42.20	74	-31.80	Pass	Vertical	
1791.273	31.38	3.08	34.44	43.49	43.51	74	-30.49	Pass	Vertical	
3543.550	33.14	5.52	34.56	42.63	46.73	74	-27.27	Pass	Vertical	
4924.000	34.94	5.07	34.32	43.65	49.34	74	-24.66	Pass	Vertical	
7386.000	36.44	6.83	34.90	41.33	49.70	74	-24.30	Pass	Vertical	
9848.000	38.14	7.53	35.03	38.12	48.76	74	-25.24	Pass	Vertical	















Page 52 of 61

Test mode:	802.11n(HT	1bps)	Test Frequency: 2412MHz Rem				ark: Peak			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit (dBµV/m)		Over Limit (dB)	Result	Antenna Polaxis
1188.980	30.20	2.50	34.98	44.56	42.28	74	4	-31.72	Pass	Horizontal
1809.605	31.41	3.09	34.43	43.07	43.14	74	4	-30.86	Pass	Horizontal
3266.346	33.36	5.57	34.53	44.71	49.11	74	4	-24.89	Pass	Horizontal
4824.000	34.73	5.10	34.35	42.20	47.68	74	4	-26.32	Pass	Horizontal
7236.000	36.42	6.69	34.90	41.09	49.30	74	4	-24.70	Pass	Horizontal
9648.000	37.93	7.70	35.07	37.61	48.17	7	4	-25.83	Pass	Horizontal
1276.818	30.41	2.60	34.88	46.47	44.60	74	4	-29.40	Pass	Vertical
2070.980	31.86	3.44	34.32	42.78	43.76	74	4	-30.24	Pass	Vertical
3316.617	33.32	5.56	34.53	43.91	48.26	74		-25.74	Pass	Vertical
4824.000	34.73	5.10	34.35	41.68	47.16	74		-26.84	Pass	Vertical
7236.000	36.42	6.69	34.90	40.15	48.36	74		-25.64	Pass	Vertical
9648.000	37.93	7.70	35.07	37.01	47.57	74	4	-26.43	Pass	Vertical

Test mode:	802.11n(HT	20)(6.5N	1bps)	Test Frequency: 2437MHz Rer				ark: Peak		
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	Limit (dBµV/m)		Over Limit (dB)	Result	Antenna Polaxis
1303.086	30.46	2.63	34.86	43.12	41.35	74	4	-32.65	Pass	Horizontal
1983.272	31.68	3.22	34.31	43.77	44.36	74	4	-29.64	Pass	Horizontal
3266.346	33.36	5.57	34.53	44.21	48.61	74	4	-25.39	Pass	Horizontal
4874.000	34.84	5.09	34.33	42.33	47.93	74	4	-26.07	Pass	Horizontal
7311.000	36.43	6.76	34.90	39.86	48.15	74	4	-25.85	Pass	Horizontal
9748.000	38.03	7.61	35.05	36.94	47.53	74	4	-26.47	Pass	Horizontal
1323.141	30.51	2.65	34.84	45.75	44.07	7	4	-29.93	Pass	Vertical
1846.834	31.47	3.12	34.40	47.51	47.70	7.	4	-26.30	Pass	Vertical
3498.735	33.17	5.52	34.55	42.88	47.02	74	4	-26.98	Pass	Vertical
4874.000	34.84	5.09	34.33	42.40	48.00	74		-26.00	Pass	Vertical
7311.000	36.43	6.76	34.90	40.95	49.24	74	4	-24.76	Pass	Vertical
9748.000	38.03	7.61	35.05	37.61	48.20	74	4	-25.80	Pass	Vertical







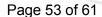












Test mode:	802.11n(HT	20)(6.5N	1bps)	Test Frequency: 2462MHz Rema				ark: Peak		
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBµV)	Level (dBµV/m)	/	mit IV/m)	Over Limit (dB)	Result	Antenna Polaxis
1263.883	30.38	2.59	34.90	44.53	42.60	7	' 4	-31.40	Pass	Horizontal
1814.218	31.42	3.09	34.43	42.62	42.70	74		-31.30	Pass	Horizontal
3359.099	33.29	5.55	34.54	43.28	47.58	74		-26.42	Pass	Horizontal
4924.000	34.94	5.07	34.32	42.07	47.76	74		-26.24	Pass	Horizontal
7386.000	36.44	6.83	34.90	41.74	50.11	74		-23.89	Pass	Horizontal
9849.000	38.14	7.53	35.03	38.12	48.76	7	' 4	-25.24	Pass	Horizontal
1286.606	30.43	2.61	34.87	43.79	41.96	7	'4	-32.04	Pass	Vertical
1755.164	31.32	3.05	34.47	43.33	43.23	7	'4	-30.77	Pass	Vertical
3570.714	33.12	5.51	34.56	42.69	46.76	74		-27.24	Pass	Vertical
4924.000	34.94	5.07	34.32	42.12	47.81	74		-26.19	Pass	Vertical
7386.000	36.44	6.83	34.90	39.73	48.10	74		-25.90	Pass	Vertical
9848.000	38.14	7.53	35.03	37.72	48.36	7	4	-25.64	Pass	Vertical

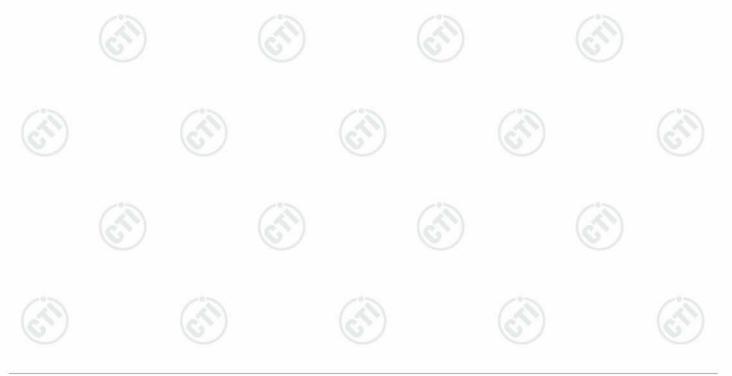
Remark:

- 1) Through Pre-scan transmitting mode with all kind of modulation and data rate, find the 11Mbps of rate is the worst case of 802.11b; 6Mbpsof rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20),and then Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor – Antenna Factor – Cable Factor

3) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

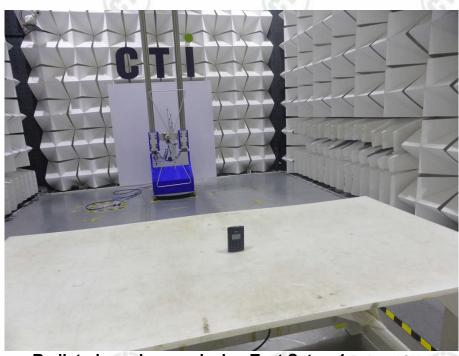




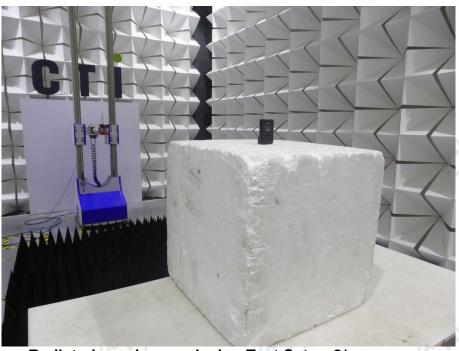
Report No.: EED32I00208215 Page 54 of 61

PHOTOGRAPHS OF TEST SETUP

Test model No.: WisePad 2



Radiated spurious emission Test Setup-1(Below 1GHz)



Radiated spurious emission Test Setup-2(Above 1GHz)



















Report No.: EED32I00208215









Conducted Emissions Test Setup

























































Report No.: EED32I00208215 Page 56 of 61

PHOTOGRAPHS OF EUT Constructional Details

Test model No.: WisePad 2



View of Product-1



View of Product-2



View of Product-3



View of Product-4

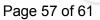


View of Product-5



View of Product-6







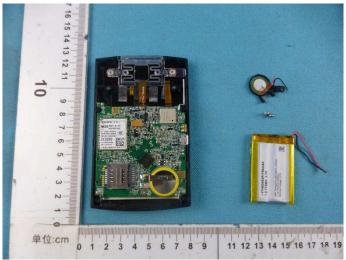
View of Product-7



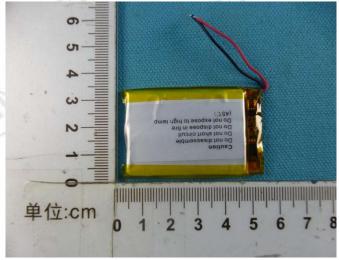
View of Product-8



View of Product-9



View of Product-10



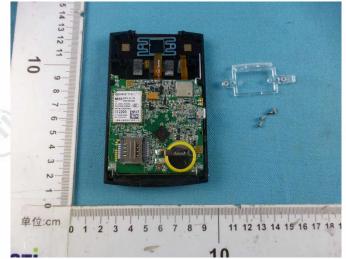
View of Product-11



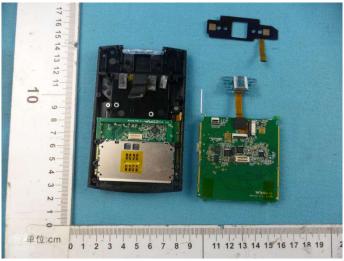
View of Product-12







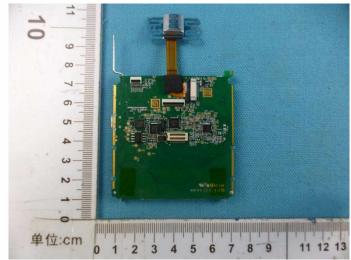
View of Product-13



View of Product-14



View of Product-15



View of Product-16



View of Product-17

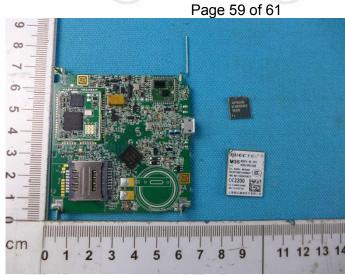


View of Product-18

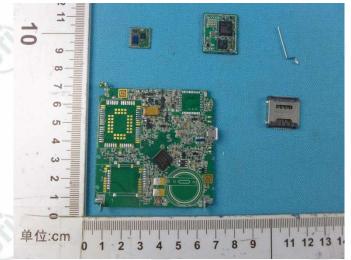




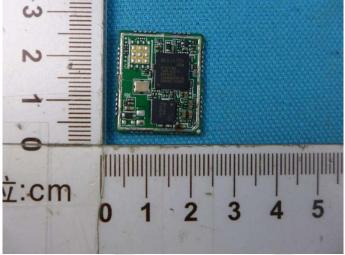
View of Product-19



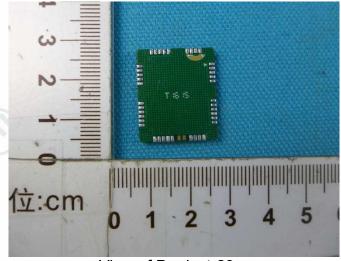
View of Product-20



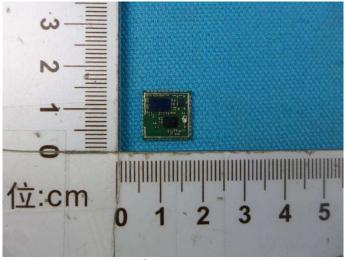
View of Product-21



View of Product-22



View of Product-23



View of Product-24





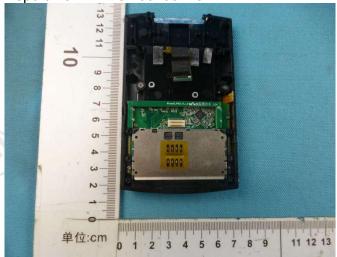




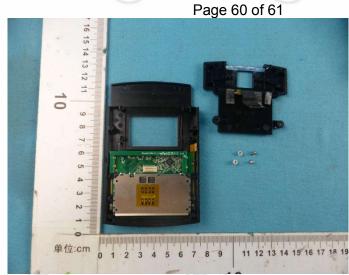








View of Product-25



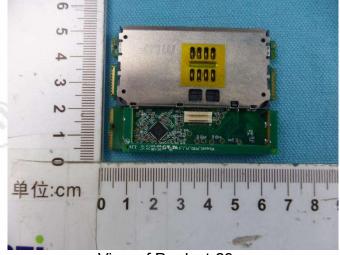
View of Product-26



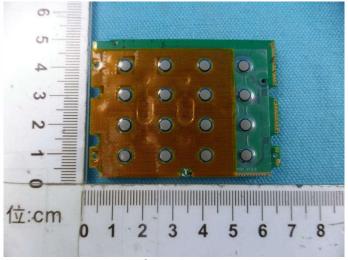
View of Product-27



View of Product-28



View of Product-29



View of Product-30



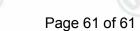


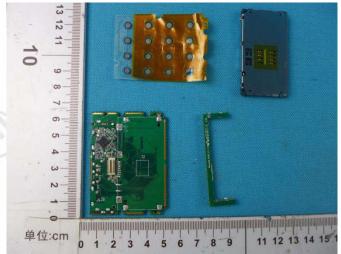








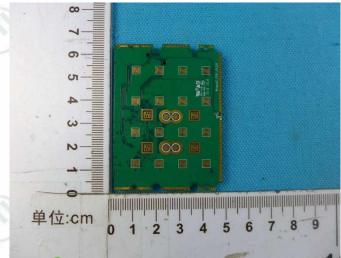


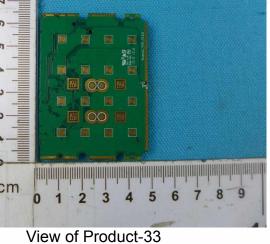


单位:cm

View of Product-31

View of Product-32







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