

Shenzhen Toby Technology Co., Ltd.



Report No.: TBR-C-202209-0163-23

Page: 1 of 53

Radio Test Report

FCC ID: 2A4WI-T-LITE3

Report No. : TBR-C-202209-0163-23

Applicant: Sosmart Spa (SoyMomo SA)

Equipment Under Test (EUT)

EUT Name : Tablet PC

Model No. : Tablet Lite 3.0

Series Model No. : ----

Brand Name : SoyMomo

Sample ID : RW-C-202209-0163-1-1#&RW-C-202209-0163-1-2#

Receipt Date : 2022-10-17

Test Date : 2022-10-17 to 2022-11-11

Issue Date : 2022-11-14

Standards : FCC Part 15 Subpart E 15.407

Test Method : ANSI C63.10: 2013

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Conclusions : PASS

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

Witness Engineer :

Engineer Supervisor:

Engineer Manager :

Made Ly Wade Ly Wade Ly Ray Lair

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. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0

Report No.: TBR-C-202209-0163-23 Page: 2 of 53

Contents

COI	NTENTS	2
1.	GENERAL INFORMATION ABOUT EUT	6
	1.1 Client Information	6
	1.2 General Description of EUT (Equipment Under Test)	6
	1.3 Block Diagram Showing the Configuration of System Tested	7
	1.4 Description of Support Units	8
	1.5 Description of Test Mode	8
	1.6 Description of Test Software Setting	10
	1.7 Measurement Uncertainty	11
	1.8 Test Facility	11
2.	TEST SUMMARY	12
3.	TEST SOFTWARE	12
4.	TEST EQUIPMENT	13
5.	CONDUCTED EMISSION TEST	15
	5.1 Test Standard and Limit	15
	5.2 Test Setup	15
	5.3 Test Procedure	15
	5.4 Deviation From Test Standard	16
	5.5 EUT Operating Mode	16
	5.6 Test Data	16
6.	RADIATED AND CONDUCTED UNWANTED EMISSIONS	17
	6.1 Test Standard and Limit	17
	6.2 Test Setup	19
	6.3 Test Procedure	20
	6.4 Deviation From Test Standard	21
	6.5 EUT Operating Mode	21
	6.6 Test Data	
7.	RESTRICTED BANDS REQUIREMENT	22
	7.1 Test Standard and Limit	22
	7.2 Test Setup	23
	7.3 Test Procedure	
	7.4 Deviation From Test Standard	25





Report No.: TBR-C-202209-0163-23 Page: 3 of 53

	7.5 EUT Operating Mode	25
	7.6 Test Data	25
8.	BANDWIDTH TEST	26
	8.1 Test Standard and Limit	26
	8.2 Test Setup	26
	8.3 Test Procedure	26
	8.4 Deviation From Test Standard	28
	8.5 EUT Operating Mode	28
	8.6 Test Data	28
9.	MAXIMUM CONDUCTED OUTPUT POWER	29
	9.1 Test Standard and Limit	29
	9.2 Test Setup	29
	9.3 Test Procedure	29
	9.4 Deviation From Test Standard	29
	9.5 EUT Operating Mode	29
	9.6 Test Data	30
10.	POWER SPECTRAL DENSITY TEST	31
	10.1 Test Standard and Limit	31
	10.2 Test Setup	31
	10.3 Test Procedure	31
	10.4 Deviation From Test Standard	32
	10.5 Antenna Connected Construction	32
	10.6 Test Data	32
11.	FREQUENCY STABILITY	33
	11.1 Test Standard and Limit	33
	11.2 Test Setup	33
	11.3 Test Procedure	33
	11.4 Deviation From Test Standard	34
	11.5 Antenna Connected Construction	34
	11.6 Test Data	34
12.	ANTENNA REQUIREMENT	35
	12.1 Test Standard and Limit	35
	12.2 Deviation From Test Standard	35
	12.3 Antenna Connected Construction	35
	12.4 Test Data	35





Report No.:	TBR-C-2022	09-0163-23
-------------	------------	------------

Page: 4 of 53

ATTACHMENT A CONDUCTED EMISSION TEST DATA	36
ATTACHMENT BUNWANTED EMISSIONS DATA	38





Report No.: TBR-C-202209-0163-23 Page: 5 of 53

Revision History

Report No.	Version	Description	Issued Date
TBR-C-202209-0163-23	Rev.01	Initial issue of report	2022-11-14
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Page: 6 of 53

1. General Information about EUT

1.1 Client Information

Applicant		: Sosmart Spa (SoyMomo SA)		
Address	: Ricardo Lyon 1688, Providencia, Santiago, Chile, PROCIDEN			
Manufacturer		Shenzhen Ployer Electronics Co., Ltd		
Address : 6F and 7F, Building 8, Rundongsheng Industrial Area,				
LongTeng Community, Xixiang Street, Bao'an District China				

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:				
Models No.	:				
Model Different					
	VI)				
	4	Antenna Gain:	-0.14dBi FPC Antenna		
Product Description		Modulation Type:	802.11a: OFDM (QPSK, BPSK, 16QAM) 802.11n: OFDM (QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM,		
TOBY TOBY	1	Bit Rate of Transmitter:	64QAM, 256QAM) 802.11a: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 150Mbps 802.11ac: at most 433.3 Mbps		
Power Rating : Adapter (FX2U-050200U) Input: AC 100-240V~ 50/60Hz 0.4A MAX Output: 5V=2A DC 3.8V by 3000mAh Rechargeable Li-ion battery		- 50/60Hz 0.4A MAX			
Software Version		SOYMOMOTABLET			
Hardware Version	V	BND-MT8168-P863			
Dd					

Remark:

- (1) The antenna gain and adapter provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) Antenna information provided by the applicant.





Page: 7 of 53

(4) Channel List:

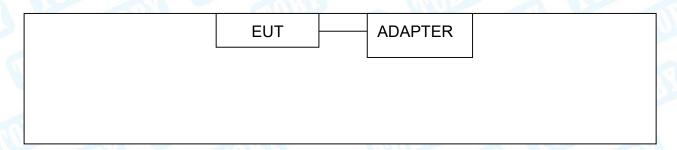
Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5100, 5240MHz	36	5180 MHz	44	5220 MHz
5180~5240MHz	38	5190 MHz	46	5230 MHz
(U-NII-1)	40	5200 MHz	48	5240 MHz
	42	5210 MHz		

For 20 MHz Bandwidth, use channel 36, 40, 44, 48. For 40 MHz Bandwidth, use channel 38, 46.

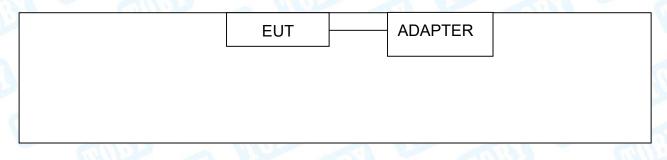
For 80 MHz Bandwidth, use channel 42.

1.3 Block Diagram Showing the Configuration of System Tested

Conducted Test



Radiated Test



EUT





Page: 8 of 53

1.4 Description of Support Units

Equipment Information						
Name Model FCC ID/SDOC Manufacturer Used "√"						
Adapter	FX2U-050200U	WAD IN	FangXin	1		
Cable Information						
Number Shielded Type Ferrite Core Length Note						
Cable 1	Yes	NO	1.0M	Accessory		

1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Test					
Final Test Mode		Description			
Mode 1		TX a Mode(5180MHz)			
	Fo	r Radiated Test Below 1GHz			
Fina	I Test Mode	Description			
	Mode 2	TX a Mode(5180MHz)			
	For Radiated Above 1GHz and RF Conducted Test				
Test Band Final Test Mode		Description			
Chine	Mode 3	TX Mode 802.11a Mode Channel 36/40/48			
	Mode 4	TX Mode 802.11n(HT20) Mode Channel 36/40/48			
U-NII-1	Mode 5	TX Mode 802.11ac(VHT20) Mode Channel 36/40/48			
U-INII- I	Mode 6	TX Mode 802.11n(HT40) Mode Channel 38/46			
	Mode 7	TX Mode 802.11ac(VHT40) Mode Channel 38/46			
	Mode 8	TX Mode 802.11ac(VHT80) Mode Channel 42			





Page: 9 of 53

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

802.11a Mode: OFDM (6 Mbps) 802.11n (HT20) Mode: MCS 0 802.11n (HT40) Mode: MCS 0

802.11ac(VHT20) Mode: MCS 0/ Nss1 802.11ac(VHT40) Mode: MCS 0/ Nss1 802.11ac(VHT80) Mode: MCS 0/ Nss1

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.





Page: 10 of 53

1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

Test So	ftware: Model of engineerin	19
	U-NII-1	
Mode	Frequency (MHz)	Parameters
The Market	5180	20
802.11a	5200	21
	5240	22
	5180	17.5
802.11n(HT20)	5200	17.5
	5240	17.5
	5180	17.5
802.11ac(VHT20)	5200	17.5
The state of the s	5240	17.5
802.11n(HT40)	5190	17
ου2.1111(Π140)	5230	17
902 44aa/\/UT40\	5190	17
802.11ac(VHT40)	5230	17
802.11ac(VHT80)	5210	16.5





Page: 11 of 53

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U_1$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2_1$ providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	±3.50 dB ±3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB

1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



Page: 12 of 53

2. Test Summary

Standard Section	To at Itama	Toot Commission	Judgment	Damar	
FCC	lest item	Test Item Test Sample(s)		Remark	
FCC 15.207(a)	Conducted Emission	RW-C-202209-0163-1-1#	PASS	N/A	
FCC 15.209 & 15.407(b)	Radiated Unwanted Emissions	RW-C-202209-0163-1-1#	PASS	N/A	
FCC 15.203	Antenna Requirement	RW-C-202209-0163-1-2#	PASS	N/A	
FCC 15.407(a)	-26dB Emission Bandwidth	RW-C-202209-0163-1-2#	PASS	N/A	
FCC 15.407(a)	99% Occupied Bandwidth	RW-C-202209-0163-1-2#	PASS	N/A	
FCC 15.407(e)	-6dB Min Emission Bandwidth	RW-C-202209-0163-1-2#	PASS	N/A	
FCC 15.407(a)	Maximum Conducted Output Power	RW-C-202209-0163-1-2#	PASS	N/A	
FCC 15.407(a)	Power Spectral Density	RW-C-202209-0163-1-2#	PASS	N/A	
FCC 15.407(b)& 15.205	Emissions in Restricted Bands	RW-C-202209-0163-1-2#	PASS	N/A	
FCC 15.407(b)&15.209	Conducted Unwanted Emissions	RW-C-202209-0163-1-2#	PASS	N/A	
FCC 15.407(g)	Frequency Stability	RW-C-202209-0163-1-2#	PASS	N/A	
I milk	On Time and Duty Cycle	RW-C-202209-0163-1-2#		N/A	

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
Radiation Emission	EZ-EMC	EZ	FA-03A2RE+
RF Conducted Measurement	MTS-8310	MWRFtest	V2.0.0.0
RF Test System	JS1120	Tonscend	V2.6.88.0336





Report No.: TBR-C-202209-0163-23 Page: 13 of 53

4. Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 23, 2022	Jun. 22, 2023
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jun. 23, 2022	Jun. 22, 2023
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Feb. 27, 2022	Feb.26, 2024
Horn Antenna	ETS-LINDGREN	3117	00143207	Feb. 26, 2022	Feb.25, 2024
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 26, 2022	Feb.25, 2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Feb. 26, 2022	Feb.25, 2024
Pre-amplifier	SONOMA	310N	185903	Feb. 26, 2022	Feb.25, 2023
Pre-amplifier	HP	8449B	3008A00849	Feb. 26, 2022	Feb.25, 2023
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 01, 2022	Aug. 31, 2023
Radiation Emission	n Test (A Site)				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 23, 2022	Jun. 22, 2023
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jun. 23, 2022	Jun. 22, 2023
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Feb. 27, 2022	Feb.26, 2024
Horn Antenna	ETS-LINDGREN	3117	00143207	Feb. 26, 2022	Feb.25, 2024
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 26, 2022	Feb.25, 2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Feb. 26, 2022	Feb.25, 2024
Pre-amplifier	SONOMA	310N	185903	Feb. 26, 2022	Feb.25, 2023
Pre-amplifier	HP	8449B	3008A00849	Feb. 26, 2022	Feb.25, 2023
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 01, 2022	Aug. 31, 2023
Radiation Emission	n Test (B Site)				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 23, 2022	Jun. 22, 2023
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Sep. 01, 2022	Aug. 31, 2023
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472	Feb. 26, 2022	Feb.25, 2023
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Dec. 05, 2021	Dec. 04, 2023
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	Feb. 26, 2022	Feb.25, 2024
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Jun. 26, 2022	Jun.25, 2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 26, 2022	Jun.25, 2024
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Sep. 01, 2022	Aug. 31, 2023
HF Amplifier	Tonscend	TAP051845	AP21C806141	Sep. 01, 2022	Aug. 31, 2023
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 01, 2022	Aug. 31, 2023





Report No.: TBR-C-202209-0163-23 Page: 14 of 53

Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jun. 23, 2022	Jun. 22, 2023
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 23, 2022	Jun. 22, 2023
MXA Signal Analyzer	KEYSIGT	N9020B	MY60110172	Sep. 01, 2022	Aug. 31, 2023
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Sep. 01, 2022	Aug. 31, 2023
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 01, 2022	Aug. 31, 2023
Analog Signal Generator	Agilent	N5181A	MY48180463	Sep. 01, 2022	Aug. 31, 2023
Vector Signal Generator	KEYSIGT	N5182B	MY59101429	Sep. 01, 2022	Aug. 31, 2023
Analog Signal Generator	KEYSIGHT	N5173B	MY61252685	Dec. 16, 2021	Dec. 15, 2022
000	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 01, 2022	Aug. 31, 2023
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 01, 2022	Aug. 31, 2023
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 01, 2022	Aug. 31, 2023
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 01, 2022	Aug. 31, 2023
RF Control Unit	Tonsced	JS0806-1	21C8060380	N/A	N/A
RF Control Unit	Tonsced	JS0806-2	21F8060439	Sep. 01, 2022	Aug. 31, 2023
Band Reject Filter Group	Tonsced	JS0806-F	21D8060414	Jun. 23, 2022	Jun. 22, 2023
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A
Wideband Radio Comunication Tester	Rohde & Schwarz	CMW500	144382	Sep. 01, 2022	Aug. 31, 2023
Universal Radio Communication Tester	Rohde&Schwarz	CMW500	168796	Jun. 23, 2022	Jun. 22, 2023
Temperature and Humidity Chamber	ZhengHang	ZH-QTH-1500	ZH2107264	Jun. 22, 2022	Jun. 21, 2023



Report No.: TBR-C-202209-0163-23 Page: 15 of 53

5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.207

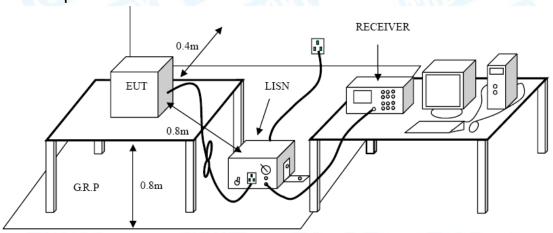
5.1.2 Test Limit

Fraguenav	Maximum RF Line Voltage (dBμV)		
Frequency	Quasi-peak Level	Average Level	
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.2 Test Setup



5.3 Test Procedure

- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.
- ●Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- ●I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- ●LISN at least 80 cm from nearest part of EUT chassis.





Page: 16 of 53

● The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.

5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A inside test report.





Page: 17 of 53

6. Radiated and Conducted Unwanted Emissions

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.209 & FCC Part 15.407(b)

6.1.2 Test Limit

General field strength limits at frequencies Below 30MHz				
Frequency	Field Strength	Measurement Distance		
(MHz)	(microvolt/meter)	(meters)		
0.009~0.490	2400/F(KHz)	300		
0.490~1.705	24000/F(KHz)	30		
1.705~30.0	30	30		

Note: 1, The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

General field strength limits at frequencies above 30 MHz				
Frequency	Field strength	Measurement Distance		
(MHz)	(µV/m at 3 m)	(meters)		
30~88	100	3		
88~216	150	3		
216~960	200	3		
Above 960	500	3		

General field strength limits at frequencies Above 1000MHz			
Frequency	Distance of 3m (dBuV/m)		
(MHz)	Peak	Average	
Above 1000	74	54	

- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power





Page: 18 of 53

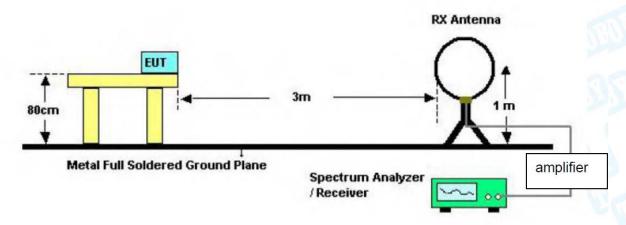
limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.



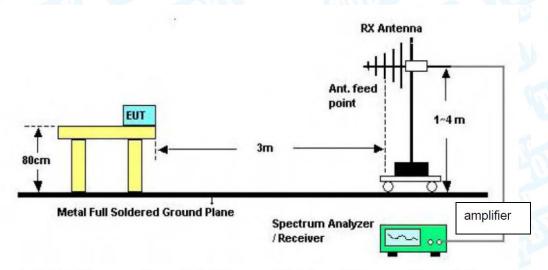
Page: 19 of 53

6.2 Test Setup

Radiated measurement



Below 30MHz Test Setup



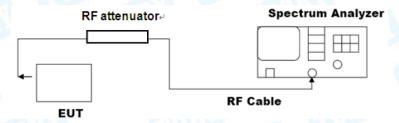
Below 1000MHz Test Setup Ant. feed point 1.5m Metal Full Soldered Ground Plane Spectrum Analyzer / Receiver





Page: 20 of 53

Above 1GHz Test Setup Conducted measurement



6.3 Test Procedure

---Radiated measurement

- The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Below 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- Testing frequency range 30MHz-1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection. Testing frequency range 9KHz-150Hz the measuring instrument use VBW=200Hz with Quasi-peak detection. Testing frequency range 9KHz-30MHz the measuring instrument use VBW=9kHz with Quasi-peak detection.
- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- For the actual test configuration, please see the test setup photo.





Page: 21 of 53

--- Conducted measurement

Reference level measurement

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to≥1.5 times the DTS bandwidth.
- c) Set the RBW = 100 kHz.
- d) Set the VBW≥[3*RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

Emission level measurement

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW≥[3*RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Mode

Please refer to the description of test mode.

6.6 Test Data

Radiated measurement please refer to the Attachment B inside test report.

Conducted measurement please refer to the external appendix report of 5G Wi-Fi.



Page: 22 of 53

7. Restricted Bands Requirement

7.1 Test Standard and Limit

7.1.1 Test Standard

FCC Part 15.205 & FCC Part 15.407(b)

7.1.2 Test Limit

Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
1	-27(Note 2)	68.3
E70E . E00E	10(Note 2)	105.3
5725~5825	15.6(Note 2)	110.9
	27(Note 2)	122.3

NOTE:

1, The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \text{ uV/m, where P is the eirp (Watts)}$$

2, According to FCC 16-24,All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

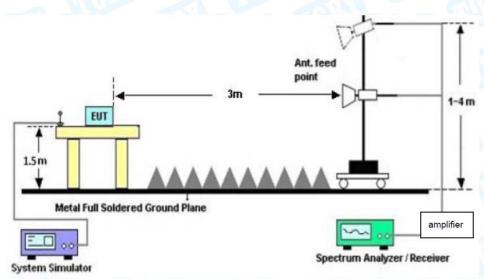
Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test forcabinet/case emissions is required.



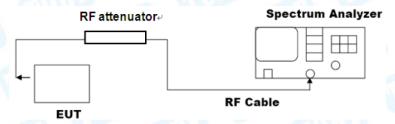


7.2 Test Setup

Radiated measurement



Conducted measurement



7.3 Test Procedure

---Radiated measurement

- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- The Peak Value and average value both need to comply with applicable limit above 1 GHz.
- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.





Page: 24 of 53

● For the actual test configuration, please see the test setup photo.



Page: 25 of 53

--- Conducted measurement

a) Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 11.12.2.3 through 11.12.2.5 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to

determine the EIRP (see 11.12.2.6 for guidance on determining the applicable antenna gain).

c) Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies

≤30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for

frequencies > 1000 MHz).

- d) For MIMO devices, measure the power of each chain and sum the EIRP of all chains in linear terms (i.e., watts and mW).
- e) Convert the resultant EIRP to an equivalent electric field strength using the following relationship:

$$E = EIRP-20 \log d + 104.8$$

where

E is the electric field strength in dBuV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

- f) Compare the resultant electric field strength level with the applicable regulatory limit.
- g) Perform the radiated spurious emission test.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Mode

Please refer to the description of test mode.

7.6 Test Data

Remark: The test uses antenna-port conducted measurements as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements.

Please refer to the external appendix report of 5G Wi-Fi.



Page: 26 of 53

8. Bandwidth Test

8.1 Test Standard and Limit

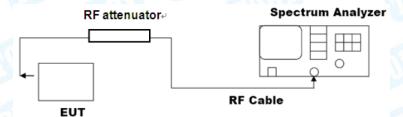
8.1.1 Test Standard

FCC Part 15.407(a) & FCC Part 15.407(e)

8.1.2 Test Limit

Test Item	Limit	Frequency Range (MHz)
		5150~5250
26 Bandwidth	N/A	5250~5350
		5500~5725
6 dB Bandwidth	>500kHz	5725~5850
	MUBA T	5150~5250
99% Bandwidth		5250~5350
99% Bandwidth	N/A	5500~5725
	W. C.	5725~5850

8.2 Test Setup



8.3 Test Procedure

---Emission bandwidth

- The procedure for this method is as follows:
- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

NOTE—The automatic bandwidth measurement capability of a spectrum analyzer or an EMI receiver may be employed if it implements the functionality described in the preceding items.





Page: 27 of 53

---DTS bandwidth

- The steps for the first option are as follows:
- a) Set RBW = 100 kHz.
- b) Set the VBW≥[3*RBW].
- c) Detector = peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

---occupied bandwidth

- The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:
- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum





Page: 28 of 53

until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Mode

Please refer to the description of test mode.

8.6 Test Data

Please refer to the external appendix report of 5G Wi-Fi.





Page: 29 of 53

9. Maximum Conducted Output Power

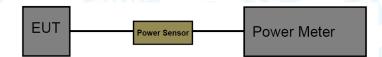
- 9.1 Test Standard and Limit
 - 9.1.1 Test Standard

FCC Part 15.407(a)

9.1.2 Test Limit

	FCC Part 15 Sub	part E(15.407)		
Limit	Freq	uency Range(MHz)		
Limit	5150~5250	5250~5350	5500~5725	5725~5850
Max Conducted TX Power	Master Device: 1 Watt(30dBm) Client Device: 250mW(24dBm)	24dBm (250 mW) or 11 dBm+ 10 log B, whichever is lower (B= 26-dB emission BW)		1 Watt (30dBm)
Max E.I.R.P	4 W (36 dBm) with 6 dBi antenna 200 W (53 dBm) for fixed P-t-P application with 23 dBiantenna Additional rule for outdoor operation: Max_EIRP< 125 mW(21 dBm) at any elevation angle > 30°from horizon	1 W (30 dBm) with 6 dBi antenna		4 W (36 dBm) with 6 dBi antenna
TPC	NO	dBm) and able to	RP ≥ 500 mW (27 b lower EIRP below dBm EIRP < 500mW	NO

9.2 Test Setup



9.3 Test Procedure

- The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.
- 9.4 Deviation From Test Standard
 No deviation
- 9.5 EUT Operating Mode

 Please refer to the description of test mode.





Report No.: TBR-C-202209-0163-23 Page: 30 of 53

Page:

9.6 Test Data

Please refer to the external appendix report of 5G Wi-Fi.



Page: 31 of 53

10. Power Spectral Density Test

10.1 Test Standard and Limit

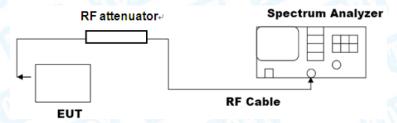
10.1.1 Test Standard

FCC Part 15.407(a)

10.1.2 Test Limit

Test Item	Limit	Frequency Range(MHz)
Power Spectral Density	Master Device: 17dBm/MHz Client Device: 11dBm/MHz	5150~5250
	11dBm/MHz	5250~5350
	11dBm/MHz	5500~5725
	30dBm/500kHz	5725~5850

10.2 Test Setup



10.3 Test Procedure

- Notwithstanding that some regulatory requirements refer to peak power spectral density (PPSD), in some cases the intent is to measure the maximum value of the time average of the power spectral density during a period of continuous transmission. The procedure for this method is as follows:
- a) Create an average power spectrum for the EUT operating mode being tested by following the instructions in 12.3.2 for measuring maximum conducted output power using a spectrum analyzer or EMI receiver; that is, select the appropriate test method (SA-1, SA-2, SA-3, or their respective alternatives) and apply it up to, but not including, the step labeled, "Compute power···."(This procedure is required even if the maximum conducted output power measurement was performed using the power meter method PM.)
- b) Use the peak search function on the instrument to find the peak of the spectrum.
- c) Make the following adjustments to the peak value of the spectrum, if applicable:
- 1) If method SA-2 or SA-2A was used, then add [10 log (1 / D)], where D is the duty cycle, to the peak of the spectrum.





Page: 32 of 53

2) If method SA-3A was used and the linear mode was used in step h) of 12.3.2.7, add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.

- d) The result is the PPSD.
- e) The procedure in item a) through item c) requires the use of 1 MHz resolution bandwidth to satisfy the 1 MHz measurement bandwidth specified by some regulatory authorities.95 This requirement also permits use of resolution bandwidths less than 1 MHz"provided that the measured power is integrated to show the total power over the measurement bandwidth"(i.e., 1 MHz). If measurements are performed using a reduced resolution bandwidth and integrated over 1 MHz bandwidth, the following adjustments to the procedures apply:
- 1) Set RBW≥1 / T, where T is defined in 12.2 a).
- 2) Set VBW ≥ [3*RBW].
- 3) Care shall be taken such that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.
- 10.4 Deviation From Test Standard

No deviation

10.5 Antenna Connected Construction

Please refer to the description of test mode.

10.6 Test Data

Please refer to the external appendix report of 5G Wi-Fi.



Page: 33 of 53

11. Frequency Stability

11.1 Test Standard and Limit

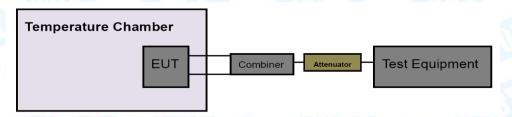
11.1.1 Test Standard

FCC Part 15.407(g)

11.1.2 Test Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

11.2 Test Setup



11.3 Test Procedure

- Determining compliance with the peak excursion requirement shall be done by confirming that the ratio of the maximum of the peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission does not exceed the regulatory requirement.⁹⁶ The procedure for this method is as follows:
- a) The following guidance for limiting the number of tests applies only to peak excursion measurements:
- 1) Testing each modulation mode on a single channel in a single operating band is sufficient to determine compliance with the peak excursion requirement. (If all modulation modes are not available on a single channel in a single band, then testing must be extended to other channels and bands as needed to ensure that all modulation modes are tested.)
- 2) Tests must include all variations in signal structure, such as:
 - i) All signal types [e.g., direct sequence spread spectrum (DSSS) and OFDM].
 - ii) All modulation types [e.g., binary phase-shift keying (BPSK), quadrature phase-shift keying (QPSK), 16-QAM, 64-QAM, and 256-QAM].
 - iii) All bandwidth modes.
 - iv) All variations in signal parameters (e.g., changes in subcarrier spacing or number of subcarriers).
- 3) For a given signal structure, testing of multiple error-correction coding rates is not required (e.g., 1/2, 2/3, and 3/4).





Page: 34 of 53

4) For MIMO devices, testing of a single output port is sufficient to determine compliance with the peak excursion requirement. If a given signal structure can be exercised with various combinations of spatial multiplexing (such as different numbers of spatial streams), beamforming, and cyclic delay diversity, peak excursion tests are not required to include those variations.

- b) The procedure is as follows:
- 1) Set the span of the spectrum analyzer or EMI receiver to view the entire emission bandwidth or occupied bandwidth.
- 2) Find the maximum of the peak-max-hold spectrum:
 - i) Set RBW = 1 MHz.
 - ii) VBW □ 3 MHz.
 - iii) Detector = peak.
 - iv) Trace mode = max-hold.
 - v) Allow the sweeps to continue until the trace stabilizes.
 - vi) Use the peak search function to find the peak of the spectrum.
- 3) Use the procedure found in 12.5 to measure the PPSD.
- 4) Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

11.4 Deviation From Test Standard

No deviation

11.5 Antenna Connected Construction

Please refer to the description of test mode.

11.6 Test Data

Please refer to the external appendix report of 5G Wi-Fi.





Page: 35 of 53

12. Antenna Requirement

12.1 Test Standard and Limit

12.1.1 Test Standard

FCC Part 15.203

12.1.2 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 shall be considered sufficient to comply with the provisions of this Section. 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.

12.2 Deviation From Test Standard

No deviation

12.3 Antenna Connected Construction

The gains of the antenna used for transmitting is -0.14dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

12.4 Test Data

The EUT antenna is a FPC Antenna. It complies with the standard requirement.

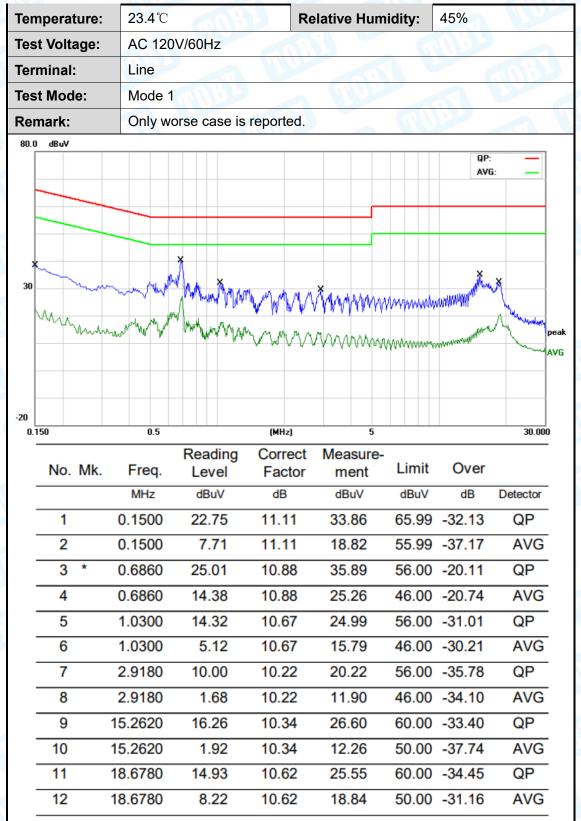
Antenna Type
⊠Permanent attached antenna
☐Unique connector antenna
☐Professional installation antenna





Page: 36 of 53

Attachment A-- Conducted Emission Test Data



Remark:

- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





Temper	ature:	23.4℃			Relative Hu	ımidity:	45%	
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Termina	al:	Neutra	al		3	6	UPP	
Test Mo	ode:	Mode	1	Alle		1		AND.
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0.150	o. Mk.	0.5 Freq.	Reading Level			Limit	Over	30.000
0.150 No		Freq.	Level	Correct Factor	Measure- ment	dBuV		
0.150 No	1	Freq.	Level	Correct Factor	Measure- ment dBuV	dBuV 65.99	dB	Detector
0.150 No	1 2	Freq. MHz 0.1500	dBuV 23.71	Correct Factor dB	Measure- ment dBuV 34.82	dBuV 65.99 55.99	dB -31.17	Detector QP
0.150 No	1 2 3	Freq. MHz 0.1500 0.1500	dBuV 23.71 10.05	Correct Factor dB 11.11 11.11	Measure- ment dBuV 34.82 21.16	dBuV 65.99 55.99 56.00	dB -31.17 -34.83	Detector QP AVG
0.150	1 2 3 4 *	Freq. MHz 0.1500 0.1500 0.6900	Level dBuV 23.71 10.05 26.17	Correct Factor dB 11.11 11.11 10.88	Measure- ment dBuV 34.82 21.16 37.05	dBuV 65.99 55.99 56.00 46.00	dB -31.17 -34.83 -18.95	Detector QP AVG QP
0.150	1 2 3 4 *	Freq. MHz 0.1500 0.1500 0.6900 0.6900	Level dBuV 23.71 10.05 26.17 22.62	Correct Factor dB 11.11 11.11 10.88 10.88	Measure- ment dBuV 34.82 21.16 37.05 33.50	dBuV 65.99 55.99 56.00 46.00	dB -31.17 -34.83 -18.95 -12.50	Detector QP AVG QP AVG
No. 150	1 2 3 4 * 5	Freq. MHz 0.1500 0.1500 0.6900 0.6900 1.0380	Level dBuV 23.71 10.05 26.17 22.62 14.13	Correct Factor dB 11.11 11.11 10.88 10.88 10.67	Measure- ment dBuV 34.82 21.16 37.05 33.50 24.80	dBuV 65.99 55.99 56.00 46.00 46.00	dB -31.17 -34.83 -18.95 -12.50 -31.20	Detector QP AVG QP AVG
0.150	1 2 3 4 * 5 6 7 :	Freq. MHz 0.1500 0.1500 0.6900 0.6900 1.0380 1.0380	Level dBuV 23.71 10.05 26.17 22.62 14.13 11.58	Correct Factor dB 11.11 11.11 10.88 10.67 10.67	Measure- ment dBuV 34.82 21.16 37.05 33.50 24.80 22.25	dBuV 65.99 55.99 56.00 46.00 46.00 56.00	dB -31.17 -34.83 -18.95 -12.50 -31.20 -23.75	Detector QP AVG QP AVG QP AVG
0.150	1 2 3 4 * 5 6 7 2 8 3 1	Freq. MHz 0.1500 0.1500 0.6900 0.6900 1.0380 1.0380 2.3100	Level dBuV 23.71 10.05 26.17 22.62 14.13 11.58 10.63	Correct Factor dB 11.11 11.11 10.88 10.88 10.67 10.67	Measure- ment dBuV 34.82 21.16 37.05 33.50 24.80 22.25 21.03	dBuV 65.99 55.99 56.00 46.00 46.00 46.00	dB -31.17 -34.83 -18.95 -12.50 -31.20 -23.75 -34.97	Detector QP AVG QP AVG QP AVG
0.150	1	Freq. MHz 0.1500 0.1500 0.6900 1.0380 1.0380 2.3100 2.3100	Level dBuV 23.71 10.05 26.17 22.62 14.13 11.58 10.63 8.15	Correct Factor dB 11.11 11.11 10.88 10.88 10.67 10.67 10.40	Measure- ment dBuV 34.82 21.16 37.05 33.50 24.80 22.25 21.03 18.55	dBuV 65.99 55.99 56.00 46.00 56.00 46.00 60.00	dB -31.17 -34.83 -18.95 -12.50 -31.20 -23.75 -34.97 -27.45	Detector QP AVG QP AVG QP AVG AVG
0.150	1	Freq. MHz 0.1500 0.1500 0.6900 1.0380 1.0380 2.3100 2.3100 5.3700	Level dBuV 23.71 10.05 26.17 22.62 14.13 11.58 10.63 8.15 13.60	Correct Factor dB 11.11 11.11 10.88 10.88 10.67 10.67 10.40 10.40	Measure- ment dBuV 34.82 21.16 37.05 33.50 24.80 22.25 21.03 18.55 23.94	dBuV 65.99 55.99 56.00 46.00 56.00 46.00 60.00 50.00	dB -31.17 -34.83 -18.95 -12.50 -31.20 -23.75 -34.97 -27.45 -36.06	Detector QP AVG QP AVG QP AVG QP AVG

- Remark:
 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





Report No.: TBR-C-202209-0163-23

Page: 38 of 53

Attachment B--Unwanted Emissions Data

--- Radiated Unwanted Emissions

9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS Note: The amplitude of spurious emissions which are attenuated by more than 20dB

Below the permissible value has no need to be reported.

30MHz~1GHz

emperati	ıre:	24.3 ℃			Relative F	lumidity:	45%	
st Volta	ge:	AC 12	0V/60Hz		and it	3		Miles
nt. Pol.		Horizo	ntal	1	1			
st Mode):	Mode	2 TX Mode	802.11a M	ode Chann	el 36		
emark:		Only w	orse case i	is reported	TO BUT		(IIII)	
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10	Lamenee	60.00	& Mile Marine Ann	(MHz)	300	had the state of t	and the desire the second second	1000.00
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10 -10 -20		60.00 quency	Reading (dBuV)	(MHz)	Level		Margin	Market Comment
10 0 -10 -20 30.000	(N	quency	Reading	(MHz)	Level	Limit	Margin	1000.00
10 0 -10 -20 30.000	(N 35.	luency (Hz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	1000.00
10 0 -10 -20 30.000 No.	35. 73.	quency MHz) 3750	Reading (dBuV) 50.07	Factor (dB/m)	Level (dBuV/m) 27.00	Limit (dBuV/m) 40.00	Margin (dB)	1000.00 Detector
10 0 -10 -20 30.000 No.	(N 35. 73. 178	quency (Hz) 3750 1025	Reading (dBuV) 50.07 45.82	(MHz) Factor (dB/m) -23.07 -25.07	Level (dBuV/m) 27.00 20.75	Limit (dBuV/m) 40.00 40.00	Margin (dB) -13.00 -19.25	Detector peak peak
10 0 -10 -20 30.000 No. 1 * 2	35. 73. 178 264	guency MHz) 3750 1025	Reading (dBuV) 50.07 45.82 45.62	(MHz) Factor (dB/m) -23.07 -25.07 -22.97	Level (dBuV/m) 27.00 20.75 22.65	Limit (dBuV/m) 40.00 40.00 43.50	Margin (dB) -13.00 -19.25 -20.85	Detector peak peak

^{*:}Maximum data x:Over limit !:over margin

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)





Page: 39 of 53

emperature: 24.3°C Relative Humidit			nidity:	45%				
est Vol	ltage:	AC 12	20V/60Hz	333		11010	47	Alle
nt. Pol],	Vertic	al		23	The same	193	
est Mo	de:	Mode	2 TX Mode	802.11a Mo	ode Channe	I 36		ARY.
Remark		Only	worse case	is reported.	CHO.		a V	
30.0 dBu	iV/m							
70								
50							iC 3M Radiatio	on C
50						Margin -6 d	6	
10	2						X	+++
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20 💆	47 Y X	. AWWAWA		, M	انت الت	- much mineral mine	the water water	W. C.
1	W.	17Lin.	M MA	Mary Mary No.	"Nort /V"	- and the state of	7 -	
	W	7	Manual Ma	and the state of t	W. Min	magamatigh the later of the same of the sa		
10	N/	7	The succession	The property of the second		- ye-izh a kinduz (ha la a a a a a a a a a a a a a a a a a		
10	W	7	Market Ma	and any and any				
)	10	60.00	Market Ma	(MHz)	300	- Control of the Cont		1000.0
10 20 30.000	Frequ			(MHz)		.00		
10	Frequ (MH	ency	Reading (dBuV)		Level (dBuV/m)	.oo Limit	Margin	1000.0
10 20 30.000		ency Iz)	Reading	(MHz)	Level	.oo Limit	Margin	1000.0
10 20 30.000	(MF	ency Hz) 541	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	1000.0
10 20 30.000 No.	(MH 36.2	ency Hz) 541 260	Reading (dBuV) 57.88	Factor (dB/m) -23.06	Level (dBuV/m) 34.82	Limit (dBuV/m) 40.00	Margin (dB) -5.18	Detector peak
10 20 30.000 No.	(MF 36.2 47.8	tency Hz) 541 260 912	Reading (dBuV) 57.88 54.96	Factor (dB/m) -23.06 -22.66	Level (dBuV/m) 34.82 32.30	Limit (dBuV/m) 40.00 40.00	Margin (dB) -5.18 -7.70	Detector peak peak
30.000 No.	36.2 47.8 56.9	sency Hz) 541 260 912 751	Reading (dBuV) 57.88 54.96 53.69	Factor (dB/m) -23.06 -22.66 -23.29	Level (dBuV/m) 34.82 32.30 30.40	Limit (dBuV/m) 40.00 40.00 40.00	Margin (dB) -5.18 -7.70 -9.60	Detector peak peak peak

Remark:

*:Maximum data

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)

x:Over limit !:over margin





Page: 40 of 53

Above 1GHz

5180MHz-5240MHz(U-NII-1)

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	DC 3.8V						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)						

No.	Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10360.20	67.08	-22.24	44.84	54.00	-9.16	AVG
2		10360.32	79.75	-22.24	57.51	68.30	-10.79	peak

Remark:

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%					
Test Voltage:	DC 3.8V							
Ant. Pol.	Vertical							
Test Mode:	TX 802.11a Mode 5180N	TX 802.11a Mode 5180MHz (U-NII-1)						

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10360.24	66.32	-22.24	44.08	54.00	-9.92	AVG
2		10360.36	79.08	-22.24	56.84	68.30	-11.46	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.







Page: 41 of 53

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	DC 3.8V	DC 3.8V					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX 802.11a Mode 520	TX 802.11a Mode 5200MHz (U-NII-1)					

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10400.22	65.89	-22.20	43.69	54.00	-10.31	AVG
2		10400.37	78.38	-22.20	56.18	68.30	-12.12	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%	
Test Voltage:	DC 3.8V	THURSDAY	1	
Ant. Pol.	Vertical			
Test Mode:	TX 802.11a Mode 5200N	1Hz (U-NII-1)	WURR	

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10400.13	66.77	-22.20	44.57	54.00	-9.43	AVG
2		10400.28	79.81	-22.20	57.61	68.30	-10.69	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.





Page: 42 of 53

			687 C (1 4 b) (1 b)				
1	Temperature:	23.5℃	Relative Humidity:	46%			
•	Test Voltage:	DC 3.8V					
	Ant. Pol.	Horizontal					
	Test Mode:	TX 802.11a Mode 5240M	IHz (U-NII-1)	(1000)			

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		10480.27	79.02	-22.11	56.91	68.30	-11.39	peak
2	*	10480.34	66.70	-22.11	44.59	54.00	-9.41	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	THU	TO THE
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5240N	MHz (U-NII-1)	WURT I

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10480.27	66.63	-22.11	44.52	54.00	-9.48	AVG
2		10480.38	79.85	-22.11	57.74	68.30	-10.56	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.





Page: 43 of 53

	Temperature:	23.5℃	Relative Humidity:	46%					
>	Test Voltage:	DC 3.8V	DC 3.8V						
	Ant. Pol.	Horizontal							
	Test Mode:	5180MHz (U-NII-1)							

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10360.23	65.92	-22.24	43.68	54.00	-10.32	AVG
2		10360.41	80.08	-22.24	57.84	68.30	-10.46	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

23.5℃	Relative Humidity:	46%
DC 3.8V		
Vertical		MAC
TX 802.11n(HT20) Mode	5180MHz (U-NII-1)	
	DC 3.8V Vertical	DC 3.8V

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10360.23	66.55	-22.24	44.31	54.00	-9.69	AVG
2		10360.34	78.61	-22.24	56.37	68.30	-11.93	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.







Page: 44 of 53

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	THE PARTY OF THE P	3 110
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11n(HT20) Mode	5200MHz (U-NII-1)	mill?

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10400.18	66.41	-22.20	44.21	54.00	-9.79	AVG
2		10400.34	79.44	-22.20	57.24	68.30	-11.06	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	TO BY	wun.
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode	5200MHz (U-NII-1)	THUE

No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10400.27	66.07	-22.20	43.87	54.00	-10.13	AVG
2		10400.30	79.26	-22.20	57.06	68.30	-11.24	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.







Page: 45 of 53

AND VIEW OF A STREET			
Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V		7
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11n(HT2	20) Mode 5240MHz (U-NII-1)	

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10480.32	66.46	-22.11	44.35	54.00	-9.65	AVG
2		10480.41	78.78	-22.11	56.67	68.30	-11.63	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V		
Ant. Pol.	Vertical		0000
Test Mode:	TX 802.11n(HT20) Mode	5240MHz (U-NII-1)	mnB1

No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10480.09	67.33	-22.11	45.22	54.00	-8.78	AVG
2		10480.32	78.75	-22.11	56.64	68.30	-11.66	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.





Page: 46 of 53

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	DC 3.8V		3 110				
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX 802.11ac(VH	HT20) Mode 5180MHz (U-NII-1)					

No.	М	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10360.11	65.92	-22.24	43.68	54.00	-10.32	AVG
2		10360.32	79.82	-22.24	57.58	68.30	-10.72	peak

Remark:

TOBY

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

ACCOUNT OF THE PARTY OF THE PAR			
Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V		600
Ant. Pol.	Vertical	THE PARTY OF THE P	
Test Mode:	TX 802.11ac(VHT20)	Mode 5180MHz (U-NII-1)	

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		10360.19	79.18	-22.24	56.94	68.30	-11.36	peak
2	*	10360.27	66.76	-22.24	44.52	54.00	-9.48	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.







Page: 47 of 53

Temperature:	23.5℃	Relative Humidity:	46%				
Test Voltage:	DC 3.8V	DC 3.8V					
Ant. Pol.	Horizontal	1773	1000				
Test Mode:	TX 802.11ac(VHT20) Mo	ode 5200MHz (U-NII-1)	COURT OF THE PARTY				

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10400.15	66.95	-22.20	44.75	54.00	-9.25	AVG
2		10400.47	80.26	-22.20	58.06	68.30	-10.24	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	0000	
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mc	de 5200MHz (U-NII-1)	Tana

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10400.16	66.57	-22.20	44.37	54.00	-9.63	AVG
2		10400.36	78.75	-22.20	56.55	68.30	-11.75	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.







Page: 48 of 53

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	William .	3 110
Ant. Pol.	Horizontal	1773	1000
Test Mode:	TX 802.11 ac(VHT20) M	ode 5240MHz (U-NII-1)	Camb L

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10480.16	67.41	-22.11	45.30	54.00	-8.70	AVG
2		10480.24	78.95	-22.11	56.84	68.30	-11.46	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mc	de 5240MHz (U-NII-1)	You

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10480.22	66.61	-22.11	44.50	54.00	-9.50	AVG
2		10480.30	80.47	-22.11	58.36	68.30	-9.94	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40 GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.





Page: 49 of 53

	Temperature:	23.5℃	Relative Humidity:	46%				
>	Test Voltage:	DC 3.8V	DC 3.8V					
	Ant. Pol.	Horizontal	Horizontal					
	Test Mode:	le: TX 802.11n(HT40) Mode 5190MHz (U-NII-1)						

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10380.13	65.76	-22.22	43.54	54.00	-10.46	AVG
2		10380.31	79.33	-22.22	57.11	68.30	-11.19	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V		
Ant. Pol.	Vertical		TO THE STATE OF
Test Mode:	TX 802.11n(HT40) Mode	5190MHz (U-NII-1)	Time and the

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10380.19	66.59	-22.22	44.37	54.00	-9.63	AVG
2		10380.24	80.09	-22.22	57.87	68.30	-10.43	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.





Page: 50 of 53

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	COURSE OF STREET	7
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11n(HT40) Mod	de 5230MHz (U-NII-1)	

No.	Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		10460.23	79.10	-22.13	56.97	68.30	-11.33	peak
2	*	10460.39	66.74	-22.13	44.61	54.00	-9.39	AVG

Remark:

TOBY

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	0.000	
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode	5230MHz (U-NII-1)	Tana

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		10460.24	65.64	-22.13	43.51	54.00	-10.49	AVG
2	*	10460.32	80.83	-22.13	58.70	68.30	-9.60	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V) 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.







Page: 51 of 53

AND VIEW OF A STREET			
Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	and the same	
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802.11ac(VH	T40) Mode 5190MHz (U-NII-1)	

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10380.13	65.50	-22.22	43.28	54.00	-10.72	AVG
2		10380.21	78.66	-22.22	56.44	68.30	-11.86	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	4000	
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mc	de 5190MHz (U-NII-1)	ang.

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10380.27	66.49	-22.22	44.27	54.00	-9.73	AVG
2		10380.34	79.77	-22.22	57.55	68.30	-10.75	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.





Page: 52 of 53

THE RESERVE TO SERVE			
Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V	CHIDDE .	7
Ant. Pol.	Horizontal		1000
Test Mode:	TX 802 11ac(VHT40) M	ode 5230MHz (U-NII-1)	

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		10460.11	65.41	-22.13	43.28	54.00	-10.72	AVG
2	*	10460.34	79.79	-22.13	57.66	68.30	-10.64	peak

Remark:

TOBY

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V		
Ant. Pol.	Vertical	4000	
Test Mode:	TX 802.11ac(VHT40) Mo	de 5230MHz (U-NII-1)	

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		10460.18	79.60	-22.13	57.47	68.30	-10.83	peak
2	*	10460.24	66.38	-22.13	44.25	54.00	-9.75	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.





Page: 53 of 53



Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mc	ode 5210MHz (U-NII-1)	

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	10420.15	66.05	-22.18	43.87	54.00	-10.13	AVG
2		10420.37	79.69	-22.18	57.51	68.30	-10.79	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.5℃	Relative Humidity:	46%
Test Voltage:	DC 3.8V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT80) Mo	ode 5210MHz (U-NII-1)	

No.	ı	Mk.	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	1	*	10420.32	66.12	-22.18	43.94	54.00	-10.06	AVG
2			10420.37	79.09	-22.18	56.91	68.30	-11.39	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated 1-40 GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
- 5. No report for the emission which more than 20dB below the prescribed limit.

----END OF REPORT-----

