



FCC Part 15.407 RSS-247 ISSUE 3, August 2023 RSS-GEN Issue 5, February 2021 Amendment 2 TEST REPORT

For

YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.

No.666 Hu'an Rd, Huli District Xiamen City, Fujian, P.R. China

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Coco Lin

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Revision History

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1 General Information

1.1 Product Description for Equipment under Test (EUT)

_	WEAT DIVIVIANCEN NETWORK TECHNICI OCY CO. LTD.	
Applicant	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.	
- ippireum	No.666 Hu'an Rd, Huli District Xiamen City, Fujian, P.R. China	
Brand(Trade) Name	Yealink	
Product (Equipment) / PMN	MN Ultra-elegant Gigabit IP Phone	
Main Model Name	SIP-T44W	
HVIN	T44W	
	5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz	
Frequency Range	5470 MHz ~ 5725 MHz, 5725 MHz ~ 5850 MHz	
	Note: frequency range 5600-5650MHz can't be used in Canada	
	5150-5250 MHz: 16.33 dBm	
Maximum Conducted	5250-5350 MHz: 16.46 dBm	
Average Output Power	5470-5725 MHz: 16.16 dBm	
	5725-5850 MHz: 15.88 dBm	
	IEEE 802.11a Mode: OFDM	
Modulation Technique	IEEE 802.11n HT20/ ac VHT20 Mode: OFDM	
Woddiation reclinique	IEEE 802.11n HT40/ ac VHT40 Mode: OFDM	
	IEEE 802.11ac VHT80 Mode: OFDM	
Power Operation (Voltage Range)	 □ AC 120V/60Hz □ Adapter I/P: 100-240V 50/60Hz 0.5A, O/P: 5Vdc, 2.0A □ By AC Power Cord □ PoE: DC 48V 	
Received Date	2023/11/16	
Date of Test	2023/11/21 ~ 2024/01/25	

^{*}All measurement and test data in this report was gathered from production sample serial number: RXZ231115070-1(Assigned by BACL, New Taipei Laboratory).

1.2 Objective

This report is prepared on behalf of *YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD*. in accordance with Part 2, Subpart J, Part 15, Subparts A, and E of the Federal Communication Commission's rules and RSS-247 Issue 3, August 2023 and RSS-GEN Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.

No.: RXZ231115070RF03

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And RSS-247 Issue 3, August 2023 and RSS-GEN Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

1.4 Statement

Decision Rule: No, (The test results do not include MU judgment)

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Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is not responsible for the authenticity of the information provided by the applicant that affects the test results.

1.5 Measurement Uncertainty

Parameter		Uncertainty
AC Mains		+/- 2.53 dB
RF output power, conducted		+/- 3.74 dB
Power Spectral Density, cond	lucted	+/- 0.62 dBm
Occupied Bandwidth		+/- 0.09 %
Unwanted Emissions, conduc	eted	+/- 1.13 dBm
	30 MHz~1 GHz	+/- 4.99 dB
Emissions, radiated	1 GHz~18 GHz	+/- 7.56 dB
18 GHz~40 GHz		+/- 5.06 dB
Temperature		+/- 0.79 °C
Humidity		+/- 0.44 %

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

1.6 Environmental Conditions

Test Site	Test Date	Temperature (°C)	Relative Humidity (%)	ATM Pressure (hPa)	Test Engineer
AC Line Conducted Emissions	2023/12/08	19.9	67	1010	Jing
Radiation Spurious Emissions	2023/11/25~2023/12/15	22.2~24.3	62~67	1010	Aaron
26dB attenuated below the channel power	2023/12/22	23.1	51	1010	Jing
Emission Bandwidth And Occupied Bandwidth	2023/11/21~2024/1/24	20.4~25.1	52~57	1010	Jing
Maximum Output Power	2023/11/21~2024/1/24	20.4~23.8	52	1010	Jing
Power Spectral Density	2023/11/21~2024/1/25	20.4~25.1	52~57	1010	Jing

1.7 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) to collect test data is located on

70, Lane 169, Sec. 2, Datong Road, Xizhi Dist., New Taipei City 22183, Taiwan, R.O.C.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3732) and the FCC designation No.TW3732 under the Mutual Recognition Agreement (MRA) in FCC Test.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: TW3732.

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2 System Test Configuration

2.1 Description of Test Configuration

The system was configured for testing in an engineering mode, which is provided by manufacturer. The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80, the 802.11n ht20/ht40 were reduced since the identical parameters with 802.11ac vht20 and vht40.

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For 5150 ~ 5250MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
42	5210

^{802.11}a/n20/ac20 mode Channel 36, 40, 48 were tested.

For 5250 ~ 5350MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
56	5280	64	5320

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	62	5310

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)	
58	5290	

802.11a/n20/ac20 mode Channel 52, 60, 64 were tested.

802.11n40/ac40 mode Channel 54, 62 were tested.

802.11ac80 mode Channel 58 was tested.

^{802.11}n40/ac40 mode Channel 38, 46 were tested.

^{802.11}ac80 mode Channel 42 was tested.

For 5470 ~ 5725MHz

Note: frequency range 5600-5650MHz can't be used in Canada

11 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	hannel Frequency (MHz) Channel		Frequency (MHz)
100	5500	124	5620
104	5520	128	5640
108	5540	132	5660
112	5560	136	5680
116	5580	140	5700
120	5600	/	/

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5 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	126	5630
110	5550	134	5670
118	5590	/	/

2 channels are provided for 802.11ac (VHT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
106	5530	122	5610

802.11a/n20/ac20 mode Channel 100, 116, 140 were tested.

802.11n40/ac40 mode Channel 102, 110, 134 were tested.

802.11ac80 mode Channel 106, 122 was tested.

For 5725 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	161	5805
153	5765	165	5825
157	5785	/	/

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency (MHz)
155	5775

802.11a/n20/ac20 mode Channel 149, 157, 165 were tested.

802.11n40/ac40 mode Channel 151, 159 were tested.

802.11ac80 mode Channel 155 was tested.

2.2 EUT Exercise Software

The system was configured for testing in an engineering mode, which is provided by manufacturer. The software was used "AuthenticTool_1.2.21.0".

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UNII Band	Mode	Channel	Frequency (MHz)	Power setting
		36	5180	16
UNII-1		40	5200	16
		48	5240	16
		52	5260	16
UNII-2A		60	5300	16
	802.11a	64	5320	16
	802.11a	100	5500	15
UNII-2C		116	5580	16
		140	5700	16
		149	5745	16
UNII-3		157	5785	16
		165	5825	16
		36	5180	16
UNII-1		40	5200	16
		48	5240	16
		52	5260	16
UNII-2A		60	5300	16
	802.11n HT20 / ac VHT20	64	5320	16
	602.1111111207 ac V11120	100	5500	16
UNII-2C		116	5580	16
		140	5700	15
		149	5745	16
UNII-3		157	5785	16
		165	5825	16
UNII-1		38	5190	16
OMII-1		46	5230	16
UNII-2A		54	5270	16
OMI-2A	_	62	5310	15
	802.11n HT40 / ac VHT40	102	5510	16
UNII-2C		110	5550	16
		134	5670	16
UNII-3		151	5755	16
OINII-J		159	5795	16
UNII-1		42	5210	14
UNII-2A		58	5290	14
UNII-2C	802.11ac VHT80	106	5530	12
01111-2C		122	5610	16
UNII-3		155	5775	16

The worst case data rates are as follows:

802.11a: 6Mbps

802.11ac VHT20: MCS0802.11ac VHT40: MCS0802.11ac VHT80: MCS0

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2.3 Equipment Modifications

No modification was made to the EUT.

2.4 Test Mode

Pre-scan

AC Line Conducted Emissions and Radiated Spurious Emissions

Mode 1: SIP-T44W + Adapter (YLPS052000E1-US)

Mode 2: SIP-T44W + Adapter (YLPS052000C1-US)

Mode 3: SIP-T44W + Adapter (YLPS052000B1-US)

Mode 4: SIP-T44W + PoE

Worst case is the SIP-T44W + Adapter (YLPS052000E1-US)

Mode 1: SIP-T44W + Adapter (YLPS052000E1-US) tested all measure item.

Mode 4: SIP-T44W + PoE test Below 1GHz Radiated Spurious Emissions and AC Line Conducted Emissions.

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2.5 Support Equipment List and Details

Description	Manufacturer	Model Number
Adapter	Yealink	YLPS052000B1-US
Adapter	Yealink	YLPS052000C1-US
Adapter	Yealink	YLPS052000E1-US
NB	DELL	E6410
AP Router	NETGEAR	R7800
Handset	Yealink	N/A
Handset	Yealink	N/A
USB Storage	Transcend	8GB
USB Storage	Transcend	8GB
POE Adapter	Cisco	SB-PWR-INJ2

2.6 External Cable List and Details

Description	Manufacturer	Model Number
RJ-45 Cable	BACL	8m
RJ-45 Cable	BACL	8m
RJ-11 Cable	BACL	0.5m
RJ-11 Cable	BACL	0.5m

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2.7 Block Diagram of Test Setup

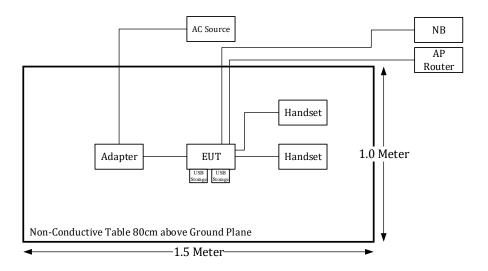
See test photographs attached in setup photos for the actual connections between EUT and support equipment.

No.: RXZ231115070RF03

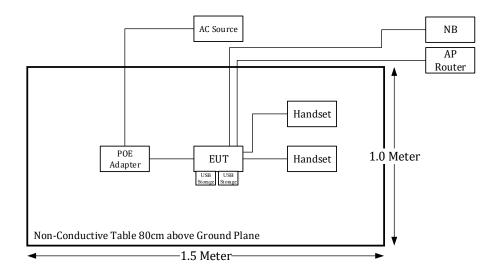
Radiation:

Below 1GHz

Adapter Mode:



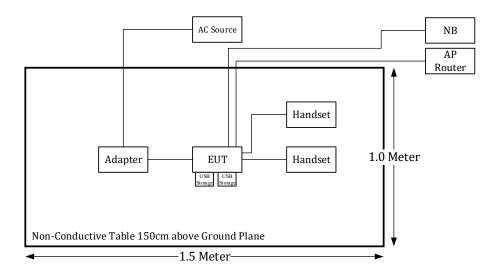
PoE Mode:



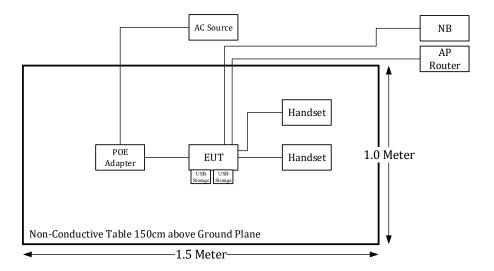
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Above 1GHz:

Adapter Mode:

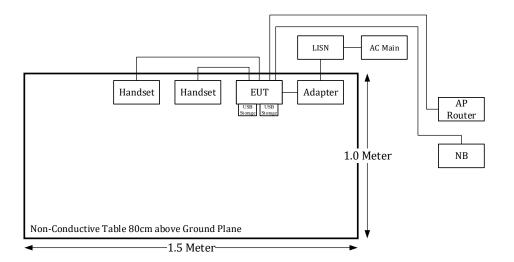


PoE Mode:

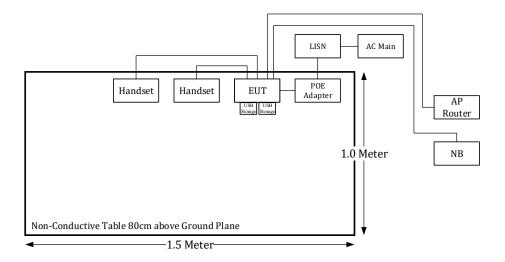


Conduction:

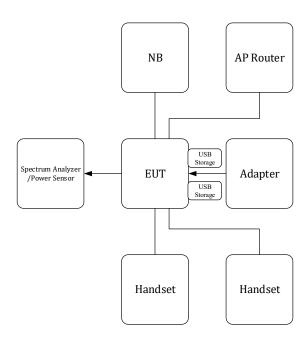
Adapter Mode:



PoE Mode:



Conducted:



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2.8 Duty Cycle

The duty cycle as below:

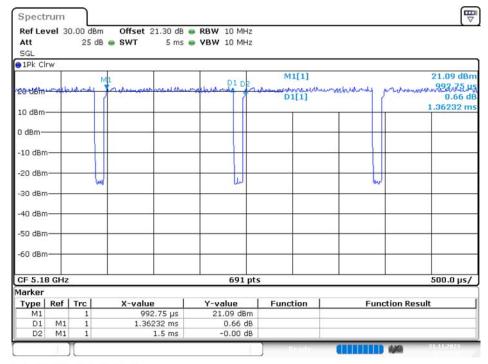
Radio Mode	On Time (ms)	Off Time (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T (kHz)	VBW Setting (kHz)
802.11a	1.36232	0.13768	91	0.41	0.73	1.0
802.11ac 20	1.28986	0.13768	90	0.46	0.78	1.0
802.11ac 40	0.63043	0.12319	84	0.76	1.59	2.0
802.11ac 80	0.31159	0.12319	72	1.43	3.21	5.0

Note: Duty Cycle Correction Factor = 10*log(1/duty cycle)

Please refer to the following plots.

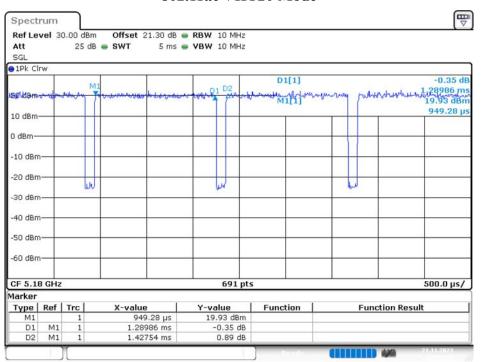
802.11a Mode

No.: RXZ231115070RF03



Date: 21.NOV.2023 11:19:24

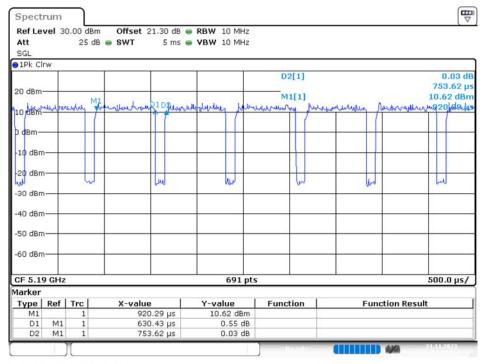
802.11ac VHT20 Mode



Date: 21.Nov.2023 11:30:52

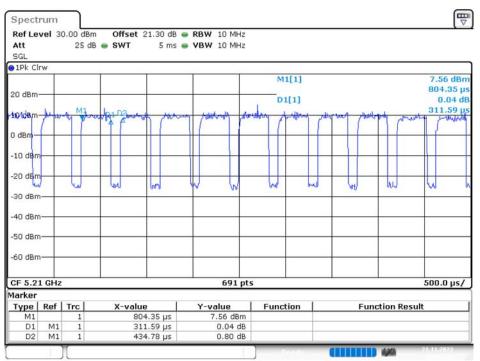
802.11ac VHT40 Mode

No.: RXZ231115070RF03



Date: 21.NOV.2023 11:57:45

802.11ac VHT80 Mode



Date: 21.Nov.2023 12:02:12

3 Summary of Test Results

Standard(s) Section	Description of Test	Results
FCC §15.407(f), §1.1307(b)(3), §2.1091	RF Exposure	Compliance
RSS-102 §4	Exposure Limit	Compliance
§15.203 RSS-GEN §6.8	Antenna Requirement	Compliance
§15.407(b)(9) & §15.207(a) RSS- GEN §8.8	AC Line Conducted Emissions	Compliance
§15.205 & §15.209 & §15.407(b) RSS-247 §6.2 RSS-GEN §8.9 RSS-GEN §8.10	Unwanted Emission	Compliance
RSS-247 §6.2.1.2	26dB Attenuated Below The Channel Power	Compliance
§15.407(a)(e) RSS-247 §6.2 RSS- GEN §6.7	Emission Bandwidth	Compliance
§15.407(a) RSS-247 §6.2	Conducted Transmitter Output Power	Compliance
§15.407(a) RSS-247 §6.2	Power Spectral Density	Compliance
RSS-247 §6.4	Additional requirements	Compliance

4 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
	AC	Line Conduction Roo		2400	Due Due
LISN	Rohde & Schwarz	ENV216	101612	2023/2/2	2024/2/1
EMI Test Receiver	Rohde & Schwarz	ESW8	100947	2023/5/22	2024/5/20
Pulse Limiter	Rohde & Schwarz	ESH3Z2	TXZEM104	2023/5/18	2024/5/16
RF Cable	EMEC	EM-CB5D	1	2023/6/6	2024/6/4
Software	AUDIX	E3	V9.150826k	N.C.R	N.C.R
		Radiation 3M Room	(966-A)		
Bilog Antenna with 6 dB Attenuator	SUNOL SCIENCES & MINI-CIRCUITS	JB6/UNAT-6+	A050115/1554 2_01	2023/2/2	2024/2/1
Horn Antenna	EMCO	SAS-571	1020	2023/5/18	2024/5/17
Horn Antenna	ETS-Lindgren	3116	62638	2023/8/25	2024/8/24
Preamplifier	Sonoma	310N	130602	2023/6/16	2024/6/15
Preamplifier	Channel	ERA-100M-18G- 01D1748	EC2300051	2023/04/01	2024/03/31
Microware Preamplifier	EM Electronics Corporation	EM18G40G	60656	2023/1/6	2024/1/5
Spectrum Analyzer	Rohde & Schwarz	FSV40	101435	2023/2/1	2024/1/31
EMI Test Receiver	Rohde & Schwarz	ESR3	102099	2023/6/16	2024/6/15
Micro flex Cable	UTIFLEX	UFB197C-1- 2362-70U-70U	225757-001	2023/1/24	2024/1/23
Coaxial Cable	COMMATE	PEWC	8Dr	2022/12/24	2023/12/23
Coaxial Cable	UTIFLEX	UFB311A-Q- 1440-300300	220490-006	2023/1/24	2024/1/23
Coaxial Cable	JUNFLON	J12J102248-00- B-5	AUG-07-15- 044	2022/12/24	2023/12/23
Cable	EMC	EMC105-SM- SM-10000	201003	2023/1/24	2024/1/23
Coaxial Cable	ROSNOL	K1K50-UP0264- K1K50-450CM	160309-1	2023/1/24	2024/1/23
Coaxial Cable	ROSNOL	K1K50-UP0264- K1K50-50CM	15120-1	2023/2/2	2024/2/1
Attenuator	MCL	BW-S10W5+	605	2023/1/18	2024/1/17
Band-stop filter	SinoSciTe	BSF5150-5850 MN-0899-002	001	2023/10/20	2024/10/19
High-pass filter	XINGBOKEJI	XBLBQ-GTA29	200121-3-26	2023/10/20	2024/10/19
Software	AUDIX	E3	18621a	N.C.R	N.C.R
20111111	1100111	Conducted Roo		1	1
Spectrum Analyzer	Rohde & Schwarz	FSV40	101140	2023/2/10	2024/2/9
Cable	UTIFLEX	UFA210A	9435	2023/10/2	2024/9/30
Power Sensor	KEYSIGHT	U2021XA	MY54080018	2023/2/2	2024/2/1
Attenuator	MCL	BW-S10W5+	1419	2023/2/1	2024/1/31

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^{*}Statement of Traceability: BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to the SI System of Units via the R.O.C. Center for Measurement Standards of the Electronics Testing Center, Taiwan (ETC) or to another internationally recognized National Metrology Institute (NMI), and were compliant with the current Taiwan Accreditation Foundation (TAF) requirements.

5 FCC §15.407(f), §1.1307(b)(3), §2.1091 – RF Exposure

5.1 Applicable Standard

According to subpart 15.407(f) and subpart §2.1091, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

No.: RXZ231115070RF03

For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

- (A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);
- (B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold *Pth* (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). *Pth* is given by:

$$P_{th} \; (\text{mW}) = \begin{cases} ERP_{20\;cm} (d/20\;\text{cm})^x & d \leq 20\;\text{cm} \\ ERP_{20\;cm} & 20\;\text{cm} < d \leq 40\;\text{cm} \end{cases}$$
 Where
$$x = -\log_{10} \left(\frac{60}{ERP_{20\;cm}\sqrt{f}}\right) \; \text{and} \; f \text{is in GHz};$$
 and
$$ERP_{20\;cm} \; (\text{mW}) = \begin{cases} 2040f & 0.3\;\text{GHz} \leq f < 1.5\;\text{GHz} \\ 3060 & 1.5\;\text{GHz} \leq f \leq 6\;\text{GHz} \end{cases}$$

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the freespace operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation					
RF Source Threshold ERP (watts)					
0.3-1.34	1,920 R ² .				
1.34-30	3,450 R ² /f ² .				
30-300	3.83 R ² .				
300-1,500 0.0128 R ² f.					
1,500-100,000	19.2R ² .				

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For multiple RF sources: Multiple RF sources are exempt if:

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation:

$$\sum_{i=1}^{a} \frac{P_i}{P_{th,i}} + \sum_{j=1}^{b} \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^{c} \frac{Evaluated_k}{Exposure\ Limit_k} \le 1$$

5.2 RF Exposure Evaluation Result

Project info

Band	Freq (MHz)	Tune-up Power (dBm)	Ant Gain (dBi)	Distances (mm)	Tune-up Power (mW)	ERP (dBm)	ERP (mW)
BT	2402-2480	11	4.94	200	12.59	13.79	23.93
WIFI 2.4GHz	2412-2462	19	4.94	200	79.43	21.79	151.01
WIFI 5GHz	5180-5825	16.5	3.43	200	44.67	17.78	59.98

§ 1.1307(b)(3)(i)(A) method is not applicable.

§ 1.1307(b)(3)(i)(C)

Band	Freq (MHz)	λ/2π (mm)	Distances applies	ERP Limit (mW)	Result Option C
BT	2402	19.88	apply	768.00	exempt
WIFI 2.4GHz	2412	19.8	apply	768.00	exempt
WIFI 5GHz	5180	9.22	apply	768.00	exempt

The minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates

ERP (watts) is no more than the calculated value prescribed for that frequency

R must be at least $\lambda / 2\pi$

 λ is the free-space operating wavelength in meters

The BT and Wi-Fi can transmit simultaneously.

Simultaneous transmitting consideration (worst case):

The ratio= $ERP_{BT}/limit + ERP_{Wi-Fi}/limit=23.93/768+151.01/768=0.23 < 1.0$

So simultaneous exposure is compliant.

Result: The device compliant the MPE-Based Exemption at 20cm distances.

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6 RSS-102 §4 – EXPOSURE LIMIT

6.1 Applicable Standard

According to RSS-102 §4:

For the purpose of this standard, Industry Canada has adopted the SAR and RF field strength limits established in Health Canada's RF exposure guideline, Safety Code 6.

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Table 4: RF Field Strength Limits for Devices Used by the General Public (Uncontrolled Environment)					
Frequency Range (MHz)	Electric Field (V/m rms)	Magnetic Field (A/m rms)	Power Density (W/m²)	Reference Period (minutes)	
0.003-10 ²¹	83	90	-	Instantaneous*	
0.1-10	-	0.73/ f	-	6**	
1.1-10	87/ ƒ ^{0.5}	-	-	6**	
10-20	27.46	0.0728	2	6	
20-48	58.07/ f ^{0.25}	0.1540/ f ^{0.25}	8.944/ f ^{0.5}	6	
48-300	22.06	0.05852	1.291	6	
300-6000	3.142 f ^{0.3417}	0.008335 f ^{0.3417}	0.02619 f ^{0.6834}	6	
6000-15000	61.4	0.163	10	6	
15000-150000	61.4	0.163	10	616000/ f ^{1.2}	
150000-300000	0.158 f ^{0.5}	$4.21 \times 10^{-4} \mathrm{f}^{ 0.5}$	6.67 x 10 ⁻⁵ f	616000/f ^{1.2}	

Note: f is frequency in MHz.

Calculated Formulary:

 $S = PG/4 \pi R^2 = power density (in appropriate units, e.g. W/m^2);$

P = power input to the antenna (in appropriate units, e.g., W);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., m);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_{i} \frac{S_{i}}{S_{Limit,i}} \le 1$$

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^{*} Based on nerve stimulation (NS).

^{**} Based on specific absorption rate (SAR).

6.2 RF Exposure Evaluation Result

Frequency Mode Range		Ante	nna Gain		e-up ver	Distance		RF Exp. Limit
	(MHz)	(dBi)	(numeric)	(dBm)	(W)	(mm)	(W/m^2)	(W/m^2)
BT	2402-2480	4.94	3.119	11	0.013	200	0.0781	5.35
WIFI 2.4GHz	2412-2462	4.94	3.119	19	0.079	200	0.4929	5.37
WIFI 5GHz	5180-5825	3.43	2.203	16.5	0.045	200	0.1958	9.05

The BT and Wi-Fi can transmit simultaneously.

Simultaneous transmitting consideration (worst case):

The ratio=MPE_{BT}/limit + MPE_{Wi-Fi}/limit=0.0781/5.35+0.4929/5.37=0.11 < 1.0

So simultaneous exposure is compliant.

Result: The device compliant the MPE-Based Exemption at 20cm distances.

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7 FCC §15.203 & RSS-GEN §6.8 – Antenna Requirements

7.1 Applicable Standard

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

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According to RSS-Gen §6.8, The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. fo transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested. For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

7.2 Antenna Information

Manufacturer	Antenna Type	Antenna Gain (dBi)	Input impedance
YEALINK(XIAMEN) NETWORK	PCB Antenna	5150~5250 MHz: 3.21 5250~5350 MHz: 3.43	50Ω
TECHNOLOGY CO.,LTD.		5470~5725 MHz: 3.00 5725~5850 MHz: 2.97	

The antenna is permanently connected to the EUT.

Result: Compliance

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8 FCC §15.407(b)(9), §15.207(a) & RSS-GEN §8 – AC Line Conducted Emissions

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8.1 Applicable Standard

As per FCC §15.407(b) (9)

Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207

RSS-Gen Clause 8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50 μ H / 50 Ω line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

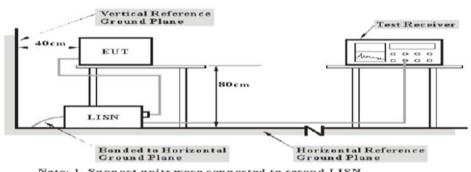
For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

The lower limit applies at the boundary between the frequencies ranges.

Frequency of Emission	Conducted Limit (dBuV)				
(MHz)	Quasi-Peak	Average			
0.15-0.5	66 to 56 Note 1	56 to 46 Note 1			
0.5-5	56	46			
5-30	60	50			

Note 1: Decreases with the logarithm of the frequency.

8.2 EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 and RSS-GEN limits.

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8.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations

Frequency Range	IF B/W
150kHz – 30MHz	9kHz

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8.4 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

8.5 Corrected Factor & Margin Calculation

The factor is calculated by adding LISN/ISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation

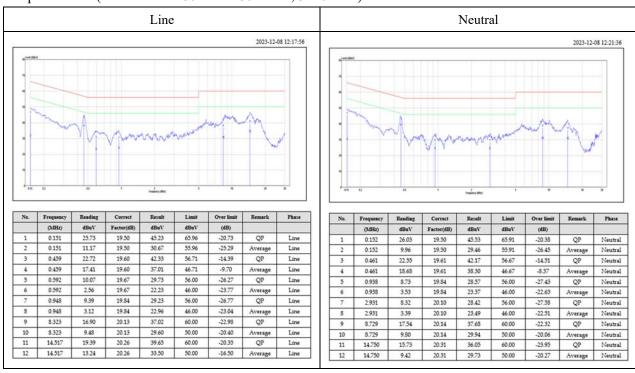
The "Over Limit" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for Over Limit calculation is as follows:

Over Limit = Level – Limit Line

8.6 Test Results

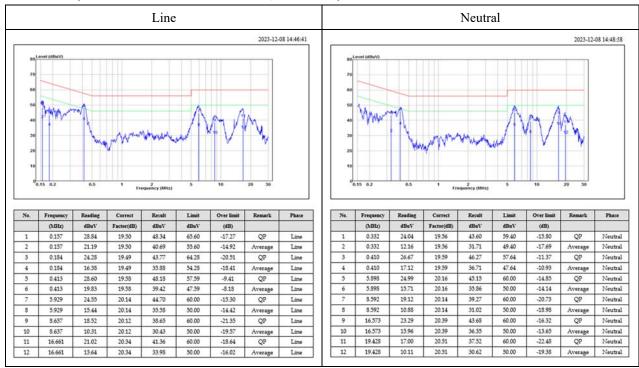
Test Mode: Transmitting Main: AC120 V, 60 Hz

Adapter Mode: (Worst case is 802.11ac 80 Mode, 5210MHz)



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PoE Mode: (Worst case is 802.11ac 80 Mode, 5290MHz)



Note:

Result = Read Level + Factor

Over Limit = Result – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

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9 FCC §15.209, §15.205, §15.407(b) & RSS-247 §6.2, RSS-GEN §8.9, RSS-GEN §8.10 – Spurious Emissions

No.: RXZ231115070RF03

9.1 Applicable Standard

As Per FCC §15.205(a) except as show in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	608 - 614	4.5 - 5.15
0.495 - 0.505	16.69475 – 16.69525	960 - 1240	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	1300 - 1427	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1435 - 1626.5	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1645.5 - 1646.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1660 - 1710	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1718.8 - 1722.2	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	2200 - 2300	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2310 - 2390	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2483.5 - 2500	15.35 - 16.2
8.362 - 8.366	156.52475 – 156.52525	2690 - 2900	17.7 - 21.4
8.37625 - 8.38675	156.7 – 156.9	3260 - 3267	22.01 - 23.12
8.41425 - 8.41475	162.0125 –167.17	3.332 - 3.339	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	33458 - 3358	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3.600 - 4.400	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4		Above 38.6
13.36 – 13.41	399.9 - 410		

As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (micro volts/meter)	Measurement Distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100**	3
88 - 216	150**	3
216 - 960	200**	3
Above 960	500	3

Note 1: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

According to ANSI C63.10-2013, section 5.3.3

Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field, and the emissions to be measured can be detected by the measurement equipment (see 4.3.4). Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. Measurements from 18 GHz to 40 GHz are typically made at distances significantly less than 3 m from the EUT. When performing

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measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade of distance (inverse of linear distance for field-strength measurements or inverse of linear distance-squared for power-density measurements).

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As per FCC Part 15.407 (b)

- For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- For transmitters operating in the 5.25–5.35 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.
- For transmitters operating in the 5.47–5.725 GHz band: All emissions outside of the 5.47–5.725 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.
- For transmitters operating in the 5.725-5.85 GHz band: 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 25 MHz 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 27 dBm/MHz at the band edge.
- Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

RSS-247 Clause 6.2

5.15-5.25 GHz

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS)and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

5.25-5.35 GHz

All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.; or

All emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device, except devices installed in vehicles, shall be labelled or include in the user manual the following text "for indoor use only."

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5.47-5.725 GHz

Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of -27 dBm/MHz e.i.r.p.at 5850 MHz instead of 5725 MHz.

5.725-5.850 GHz

Devices operating in the band 5725-5850 MHz with antenna gain greater than 10 dBi can have unwanted emissions that comply with either the limits in this section or in section 5.5 until six (6) months after the publication date of this standard for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2018.

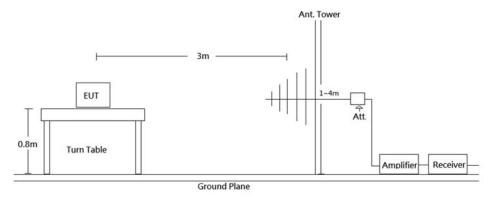
Devices operating in the band 5725-5850 MHz with antenna gain of 10 dBi or less can have unwanted emissions that comply with either the limits in this section or in section 5.5 until April 1, 2018 for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2020.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 Bm/MHz at 5 MHz above or below the band edges;
- 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

9.2 EUT Setup

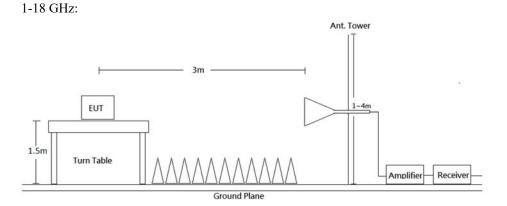
Below 1 GHz:



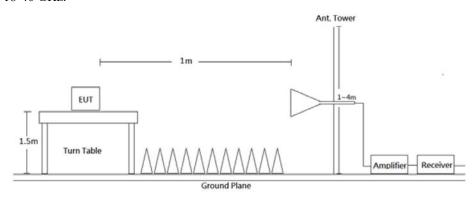
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18-40 GHz:



Radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part 15.209, FCC 15.407, RSS-247, RSS-GEN Limits.

9.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 40 GHz. During the radiated emission test, the EMI test receiver was set with the following configurations measurement method 6.3 in ANSI C63.10.

Frequency Range	RBW	VBW	Duty cycle	Measurement method
30-1000 MHz	120 kHz	/	/	QP
	1 MHz	3 MHz	/	PK
Above 1 GHz	1 MHz	10 Hz	>98%	Ave
	1 MHz	1/T	<98%	Ave

Note: T is minimum transmission duration

9.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the Quasi-peak detector mode from 30 MHz to 1 GHz and PK and average detector modes for frequencies above 1 GHz.

According to C63.10, emission shall be computed as: E $[dB\mu V/m] = EIRP[dBm] + 95.2$, for d = 3 meters.

All emissions under the average limit and under the noise floor have not recorded in the report

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9.5 Corrected Factor & Margin Calculation

The Correct Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Level - Limit

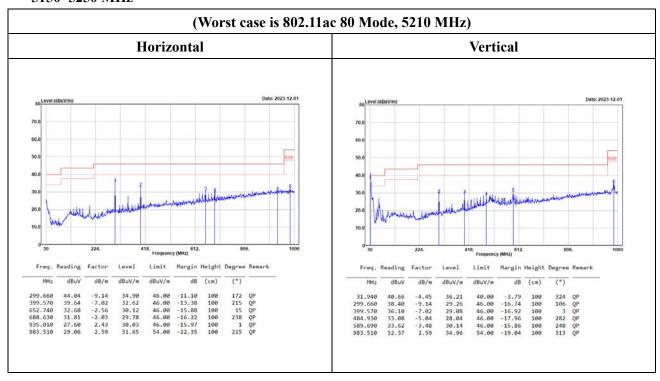
9.6 Test Results

Test Mode: Transmitting

30MHz-1GHz:

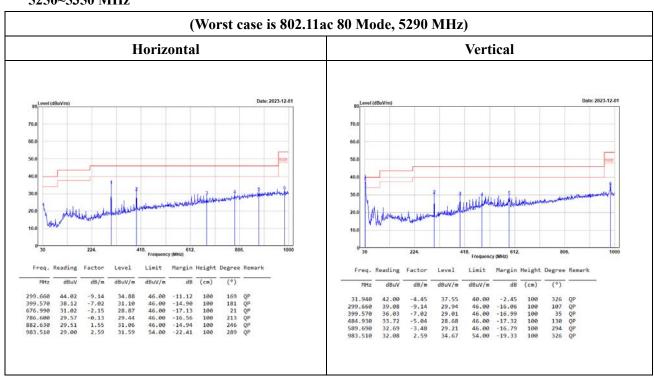
Adapter Mode:

5150~5250 MHz

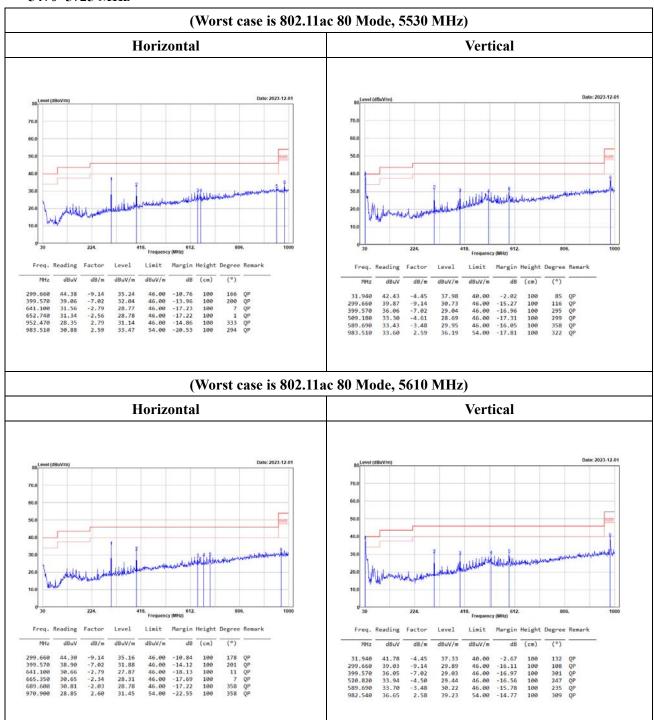


No.: RXZ231115070RF03

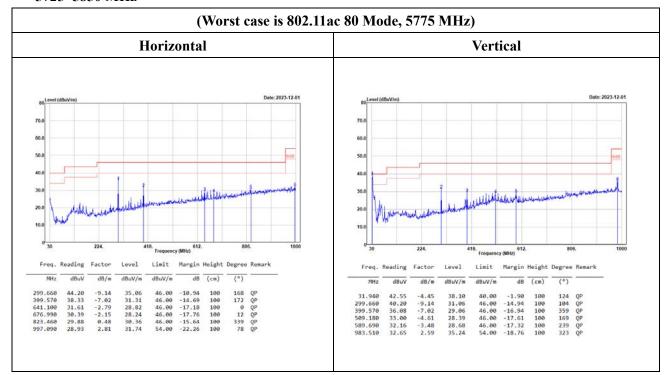
5250~5350 MHz



5470~5725 MHz



5725~5850 MHz



No.: RXZ231115070RF03

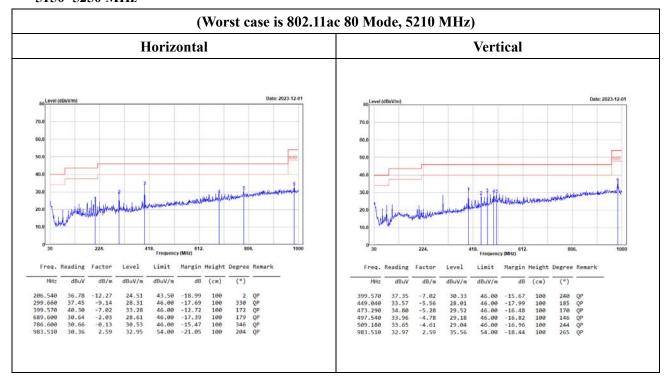
Level = Reading + Factor.

Margin = Level-Limit.

Factor = Antenna Factor + Cable Loss - Amplifier Gain.

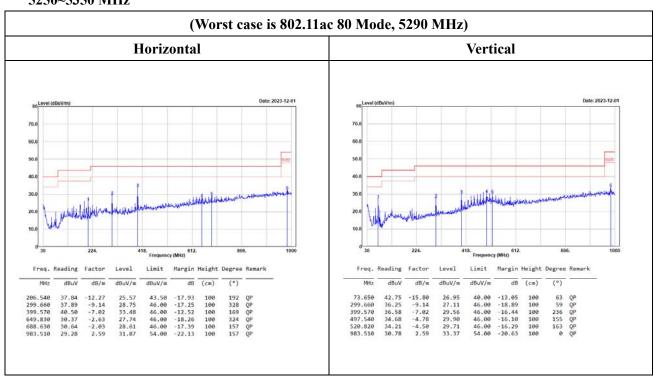
PoE Mode:

5150~5250 MHz

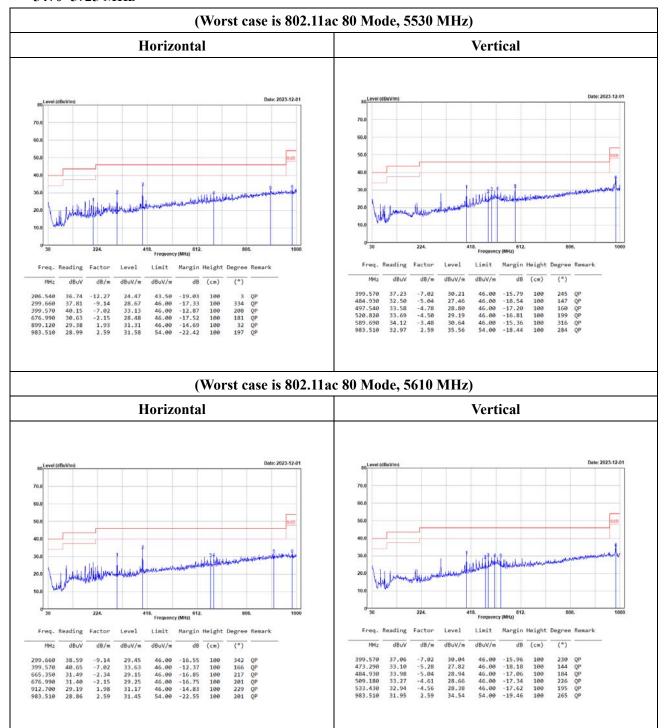


No.: RXZ231115070RF03

5250~5350 MHz

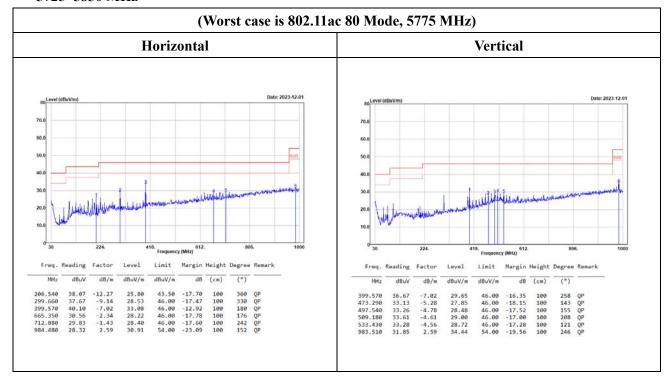


5470~5725 MHz



No.: RXZ231115070RF03

5725~5850 MHz



No.: RXZ231115070RF03

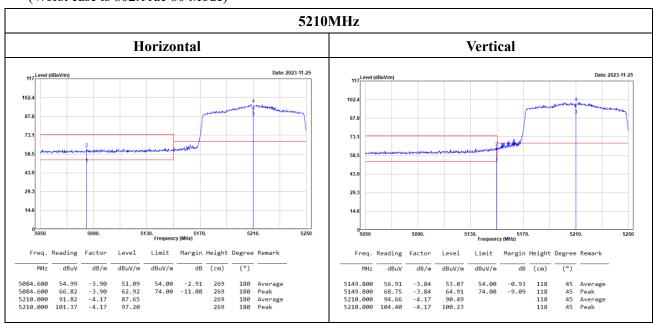
Level = Reading + Factor.

Margin = Level - Limit.

Factor = Antenna Factor + Cable Loss - Amplifier Gain.

Band-Edge

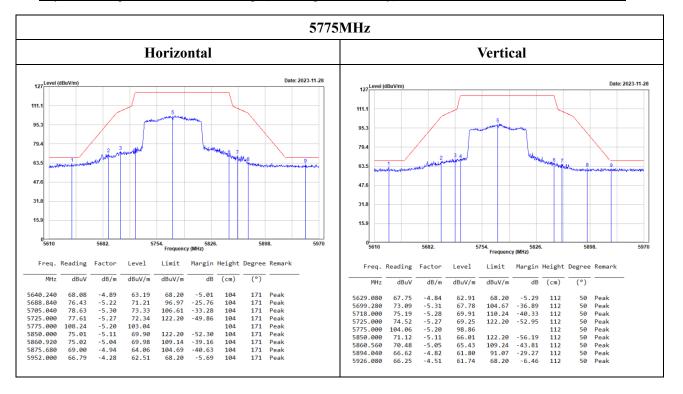
(Worst case is 802.11ac 80 Mode)



Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) Page 38 of 133

No.: RXZ231115070RF03

68.20

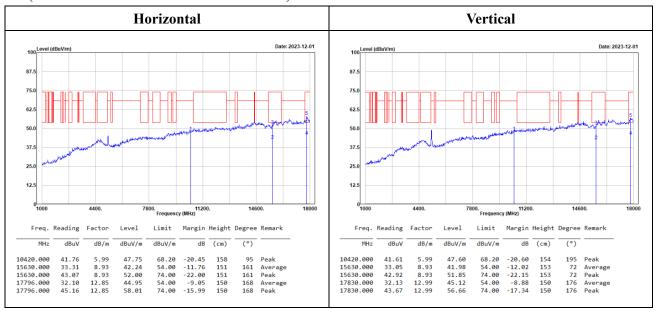


Level = Reading + Factor.

Margin = Level - Limit.

1GHz-18GHz:

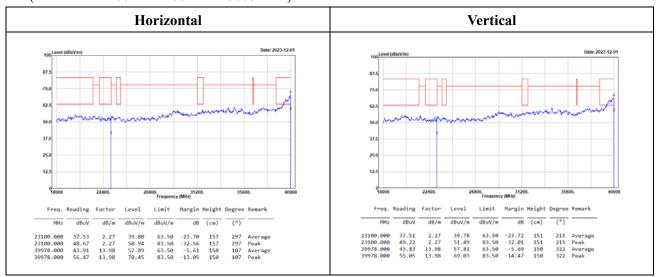
(Worst case is 802.11ac 80 Mode 5210MHz)



No.: RXZ231115070RF03

18GHz-40GHz:

(Worst case is 802.11ac 80 Mode 5775MHz)



Level = Reading + Factor.

Margin = Level-Limit.

Above 1GHz:

5150-5250MHz

802.11a Mode:

1347-080 54, 26 -3, 85 50, 43 54,00 -3, 57 158 139 Average 5149,200 56,72 -3,84 52,88 54,00 -1,12 132 1347-080 09,755 -4,85 69,91 74,00 -4,09 132 132 1380,000 196,36 -4,05 102,91 74,00 -4,09 132 132 132 1380,000 196,36 -4,05 102,91 74,00 -4,09 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132																		
MHz				Horiz	zontal								Ver	tical				
S147.000 S4.26 -3.83 S0.43 S4.00 -3.57 IS8 IS8 Average S147.000 76.07 -3.83 S6.24 74.00 -7.76 IS8 IS8 Pask S149.200 S5.72 -3.84 S2.88 S4.00 -4.09 I32 S180.000 97.55 -4.85 S3.59 S1.52 S1.58 S1.58 Pask S1.59.200 S5.72 -3.84 S2.88 S4.00 -4.09 I32 I32 I32 I32 I32 I33 I32 I32 I33 I32 I32 I33 I32 I33 I32 I33 I32 I33 I32 I33 I33	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
S147,080 70.07 73.33 66.24 74.09 77.76 158 188 Pack 1580,000 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 75.55 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.65 -3.	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
138 198 Average 15180 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198 198										5149.200	56.72	-3.84	52.88	54.00	-1.12	132	41	Avera
S188,000 106.96 -4.05 102.91 158 198 Peak					74.00	-7.76								74.00	-4.09			Peak
Mitz dBuV dB/m dBuV/m dB uv/m dB u																		Avera Peak
Metr dBuV dB/m dBuV/m dB uV/m dB uV/m dB (cm) (°) Metr dBuV dB/m dBuV/m dB uV/m dB (cm) (°) Metr dBuV dB/m dBuV/m dB uV/m dB u	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Enon	Roading	Easton	Level	Limit	Mangin	Hainht	Doggooo	Romank
18360.000	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		20.74.548	22.000.000.000		100000000					Kemar-k
S200 MHz	0360 000	12 50	5 72	18 31	68 20	-10 80	157	210	Poak					COLUMN TO S		1000000	(°)	
Solid Soli																	180 246	Peak Average
Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin H	5540.000	41.82	8.79	50.61	74.00	-23.39	153	65	Peak									Peak
Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark The properties The									5200 N	MHz								
MHz dBuV dB/m dBuV/m dBuV/m dBuV/m dB cm (°) MHz dBuV dB/m dBuV/m dBuV/m dB cm (°) MHz dBuV dB/m dBuV/m dBuV/m dB cm (°) MHz dBuV dB/m dBuV/m dB cm cm cm cm cm cm cm c				Horiz	zontal								Ver	tical				
S200.000	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
S200.000 107.94 -4.19 103.75 252 180 Peak S200.000 111.38 -4.19 107.19 121	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark										5200.000	102.22	-4.19	98.03			121	46	Averag
MHz dBuV dB/m dBuV/m dB (cm) (°) MHz dBuV dB/m dBuV/m dB (cm) dB (cm) (°) MHz dBuV dB/m dBuV/m dB (cm) dB (cm) (°) MHz dBuV dB/m dBuV/m dB (cm) dB (cm) (°) MHz dBuV dB/m dBuV/m dB (cm) dB (cm) (°) MHz dBuV dB/m dBuV/m dB (cm) dB (cm) (°) MHz dBuV dB/m dBuV/m dB (cm) dB (cm) (°) MHz dBuV dB/m dB uV/m dB (cm) (°) MHz dB uV dB/m dB uV/m dB (cm) (°) MHz dB uV dB/m dB uV/m dB (cm) (°) MHz dB uV dB/m dB uV/m dB (cm) (°) MHz dB uV dB/m dB uV/m dB (cm) (°) MHz dB uV dB/m dB uV/m dB (cm) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°) (°	5200.000	107.94	-4.19	103.75			252	180	Peak	5200.000	111.38	-4.19	107.19			121	46	Peak
10400.000	Freq.	Reading	Factor	Level	Limit	Margir	Heigh	t Degre	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	t Degree	e Remar
Scale Oracle Scale Sca	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dE	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	-
Solution Solution										10400.000	44.84	5.96	50.80	68.20	-17.40	157	186	Peak
Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark MHz dBuV dB/m dBuV/m dBuV/m dB (cm)																		Avera Peak
Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark MHz dBuV dB/m dBuV/m dBuV/m dB (cm)									5240 N	MHz								
MHz dBuV dBuV dBuV/m dBuV/m dB (cm) (°) MHz dBuV dB uV/m dBuV/m dB uV/m <				Horiz	zontal								Ver	tical				
5240.000 98.21 -4.14 94.07 233 194 Average 5240.000 102.31 -4.14 98.17 108 5240.000 107.45 -4.14 103.31 233 194 Peak 5240.000 111.56 -4.14 107.42 108 5453.440 53.41 -4.82 48.59 54.00 -5.41 233 194 Average 5350.120 53.31 -4.31 49.00 54.00 -5.00 108 5453.440 66.50 -4.82 61.68 74.00 -12.32 233 194 Peak 5350.120 66.08 -4.31 61.77 74.00 -12.23 108 Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark Grant MHz dBuV dB/m dBuV/m dBuV/m dB (cm)	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remar
5240,000 107.45 -4.14 103.31 233 194 Peak 5240,000 111.56 -4.14 107.42 108 5453.440 53.41 -4.82 48.59 54.00 -5.41 233 194 Average 5350.120 53.31 -4.31 49.00 54.00 -5.00 108 5453.440 66.50 -4.82 61.68 74.00 -12.32 233 194 Peak 5350.120 66.08 -4.31 61.77 74.00 -12.23 108 Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark MHz dBuV dB/m dBuV/m d	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5453.440 53.41 -4.82 48.59 54.00 -5.41 233 194 Average 5350.120 53.31 -4.31 49.00 54.00 -5.00 108 5453.440 66.50 -4.82 61.68 74.00 -12.32 233 194 Peak 5350.120 66.08 -4.31 61.77 74.00 -12.23 108 Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark MHz dBuV dB/m dBuV/m dBuV/m dB (cm)																		Avera
5453.440 66.50 -4.82 61.68 74.00 -12.32 233 194 Peak 5359.120 66.08 -4.31 61.77 74.00 -12.23 108 Freq. Reading Factor Level Limit Margin Height Degree Remark Freq. Reading Factor Level Limit Margin Height Degree Remark MHz dBuV dB/m dBuV/m dBuV/m dB (cm) (°) MHz dBuV dB/m dBuV/m dBuV/m dB (cm)					54.00	-5,41								54 00	-5 aa	200		Peak Avera
MHz dBuV dB/m dBuV/m dBuV/m dB (cm) (°) MHz dBuV dB/m dBuV/m dBuV/m dB (cm)																		Peak
	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	t Degree	e Remar
19489.999 41.47 6.69 47.56 68.29 -29.64 154 145 Peak 19489.999 42.61 6.09 48.79 68.29 -19.59 151	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
	0480.000	41.47	6.09	47.56		-20.64	154			10480.000	42.61	6.09	48.70	68.20				Peak
																		Avera Peak

Level = Reading + Factor.

Margin = Level-Limit.

802.11ac VHT20 Mode:

								5180	MHZ								
			Horiz	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5149.800	53.98	-3.84	50.14	54.00	-3.86	160	195	Average	5149.600	55.72	-3.84	51.88	54.00	-2.12	130		Average
5149.800	68.33	-3.84	64.49	74.00	-9.51	160	195	Peak	5149.600 5180.000	70.28 102.08	-3.84 -4.05	66.44 98.03	74.00	-7.56	130 130		Peak Average
5180.000 5180.000	96.50 106.80	-4.05 -4.05	92.45 102.75			160 160	195 195	Average Peak	5180.000		-4.05	107.80			130		Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10360.000	42.14	5.72	47.86	68.20	-20.34	150	91	Peak	10360.000	44.39	5.72	50.11	68.20	-18.09	150	187	Peak
15540.000	30.36	8.79	39.15	54.00	-14.85	150	40	Average	15540.000	30.04	8.79	38.83	54.00	-15.17	151		Averag
15540.000	41.15	8.79	49.94	74.00	-24.06	150	40	Peak	15540.000	41.27	8.79	50.06	74.00	-23.94	151	248	Peak
								5200	MHz								
			Horiz	zontal								Ver	tical				
									2000	5.5 Leaster						15 50	
Freq.	Reading	Factor	Level	Limit	Margin	Height		Remark	-	Reading		Level		Margin			Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5200.000 5200.000		-4.19 -4.19	94.22 103.96			252 252		Average Peak	5200.000 5200.000		-4.19 -4.19	97.44 106.83			118 118	47 A	Average Peak
Freq	. Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MH	z dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10400.00		5.96	48.70	68.20	-19.50	154	-	Peak	10400.000	44.61	5.96	50.57	68.20	-17.63	154	188	Peak
15600.00 15600.00		8.78 8.78	41.08 51.17	54.00 74.00	-12.92 -22.83	159 159	305 305	Average Peak	15600.000 15600.000	31.60 43.38	8.78 8.78	40.38 52.16	54.00 74.00	-13.62 -21.84	150 150		Averag Peak
								5240	MHz								
			Horiz	zontal								Ver	tical				
					Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
Freq.	Reading	Factor	Level	Limit											(cm)	(°)	
Freq.	Reading ————————————————————————————————————	Factor dB/m	Level dBuV/m	dBuV/m		(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(Сш)	()	
MHz 5240.000	dBuV 98.53	dB/m -4.14	dBuV/m 94.39			286	181	Average	5240.000	101.33	-4.14	97.19	dBuV/m	dB	126	46	
MHz 5240.000 5240.000	dBuV 98.53 108.07	dB/m -4.14 -4.14	dBuV/m 94.39 103.93	dBuV/m	dB	286 286	181 181	Peak	5240.000 5240.000	101.33 110.81	-4.14 -4.14	97.19 106.67			126 126	46 46	Peak
MHz 5240.000	98.53 108.07 53.52	dB/m -4.14	dBuV/m 94.39			286	181		5240.000	101.33	-4.14	97.19	dBuV/m 54.00 74.00	-5.21	126 126 126	46	
MHz 5240.000 5240.000 5364.060 5364.060	98.53 108.07 53.52 66.76	-4.14 -4.14 -4.38	dBuV/m 94.39 103.93 49.14	dBuV/m	dB -4.86	286 286 286 286	181 181 181 181	Peak Average Peak	5240.000 5240.000 5398.500 5398.500	101.33 110.81 53.35	-4.14 -4.14 -4.56	97.19 106.67 48.79	54.00	-5.21	126 126 126 126 126	46 46 46 46	Peak Averag Peak
MHz 5240.000 5240.000 5364.060 5364.060	98.53 108.07 53.52 66.76	dB/m -4.14 -4.14 -4.38 -4.38	dBuV/m 94.39 103.93 49.14 62.38	dBuV/m 54.00 74.00	-4.86 -11.62	286 286 286 286	181 181 181 181	Peak Average Peak	5240.000 5240.000 5398.500 5398.500	101.33 110.81 53.35 66.35	-4.14 -4.14 -4.56 -4.56	97.19 106.67 48.79 61.79	54.00 74.00	-5.21 -12.21 Margin	126 126 126 126 126	46 46 46 46	Peak Averag Peak
MHz 5240.000 5240.000 5364.060 5364.060 Freq.	dBuV 98.53 108.07 53.52 66.76 Reading dBuV 42.05	dB/m -4.14 -4.14 -4.38 -4.38	dBuV/m 94.39 103.93 49.14 62.38 Level	dBuV/m 54.00 74.00 Limit	-4.86 -11.62 Margin	286 286 286 286 Height	181 181 181 181 Degree	Peak Average Peak	5240.000 5240.000 5398.500 5398.500 Freq.	101.33 110.81 53.35 66.35	-4.14 -4.14 -4.56 -4.56	97.19 106.67 48.79 61.79	54.00 74.00 Limit	-5.21 -12.21 Margin	126 126 126 126 126	46 46 46 46 Degree (°)	Peak Averag Peak

Level = Reading + Factor.

Margin = Level-Limit.

802.11ac VHT40 Mode:

								5190	MHz								
			Horiz	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5147.800	54.04	-3.84	50.20	54.00	-3.80	150	196	Average	5145.200	56.82	-3.83	52.99	54.00	-1.01	129	43	Averag
5147.800	68.68	-3.84	64.84	74.00	-9.16	150	196	Peak	5145.200	74.35	-3.83	70.52	74.00	-3.48	129	43	Peak
5180.000	94.32	-4.05	90.27			150	196	Average	5190.000	99.64	-4.11	95.53			129	43	Averag
5180.000		-4.05	100.00			150	196	Peak	5190.000	109.14	-4.11	105.03			129	43	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10380.000	42.66	5.84	48.50	68.20	-19.70	154	44	Peak	10380.000	42.27	5.84	48.11	68.20	-20.09	157	357	Peak
15570.000	31.88	8.78	40.66	54.00	-13.34	151	24	Average	15570.000	32.14	8.78	40.11	54.00	-13.08	153	276	Average
15570.000	43.01	8.78	51.79	74.00	-22.21	151	24	Peak	15570.000	42.47	8.78	51.25	74.00	-22.75	153		Peak
								5230	MHz								
			Horiz	zontal				5230	MHz			Ver	tical				
Freq.	Reading	Factor	Horiz	zontal	Margin	Height	Degree	5230		Reading	Factor	Ver	tical	Margin	Height	Degree	Remark
Freq.	Reading dBuV	Factor dB/m			Margin ————————————————————————————————————		Degree (°)			Reading dBuV	Factor dB/m			Margin ————————————————————————————————————		Degree (°)	Remark
·			Level	Limit					Freq.			Level	Limit				Remark
MHz	dBuV	dB/m	Level dBuV/m	Limit		(cm)	(°)	Remark	Freq. MHz	dBuV	dB/m	Level dBuV/m	Limit		(cm)	(°)	
MHz 5230.000	dBuV 95.51	dB/m -4.15	Level dBuV/m 91.36	Limit		(cm) 265 265	(°)	Remark	Freq. MHz 5230.000	dBuV	dB/m	Level dBuV/m 95.10	Limit		(cm)	(°)	Averag Peak
MHz 5230.000 5230.000	dBuV 95.51 104.72	dB/m -4.15 -4.15	Level dBuV/m 91.36 100.57	Limit dBuV/m	dB	(cm) 265 265	(°) 196 196	Remark Average Peak	Freq. MHz 5230.000 5230.000	dBuV 99.25 108.96	dB/m -4.15 -4.15	Level dBuV/m 95.10 104.81	Limit dBuV/m	dB	(cm) 112 112 112	(°)	Averag Peak
MHz 5230.000 5230.000 5421.050 5421.050	95.51 104.72 53.44	dB/m -4.15 -4.15 -4.68	Level dBuV/m 91.36 100.57 48.76	Limit dBuV/m	-5.24	(cm) 265 265 265 265	(°) 196 196 196 196	Average Peak Average Peak Peak	Freq. MHz 5230.000 5230.000 5444.420 5444.420	dBuV 99.25 108.96 53.58	dB/m -4.15 -4.15 -4.80 -4.80	Level dBuV/m 95.10 104.81 48.78	Limit dBuV/m	-5.22 -11.60	(cm) 112 112 112 112	(°) 44 44 44	Averag Peak Averag Peak
MHz 5230.000 5230.000 5421.050 5421.050	dBuV 95.51 104.72 53.44 66.81	dB/m -4.15 -4.15 -4.68 -4.68	Devel dBuV/m 91.36 100.57 48.76 62.13	Limit dBuV/m 54.00 74.00	-5.24 -11.87	(cm) 265 265 265 265	(°) 196 196 196 196	Average Peak Average Peak Peak	Freq. MHz 5230.000 5230.000 5444.420 5444.420	dBuV 99.25 108.96 53.58 67.20	dB/m -4.15 -4.15 -4.80 -4.80	Devel dBuV/m 95.10 104.81 48.78 62.40	Limit dBuV/m 54.00 74.00	-5.22 -11.60	(cm) 112 112 112 112 112	(°) 44 44 44 44	Averag Peak Averag Peak
MHz 5230.000 5230.000 5421.050 5421.050 Freq.	dBuV 95.51 104.72 53.44 66.81	dB/m -4.15 -4.15 -4.68 -4.68	dBuV/m 91.36 100.57 48.76 62.13	Limit dBuV/m 54.00 74.00 Limit	-5.24 -11.87 Margin	(cm) 265 265 265 265	(°) 196 196 196 196 Degree	Average Peak Average Peak Peak	Freq. MHz 5230.000 5230.000 5444.420 5444.420 Freq.	dBuV 99.25 108.96 53.58 67.20 Reading dBuV	dB/m -4.15 -4.15 -4.80 -4.80	Level dBuV/m 95.10 104.81 48.78 62.40 Level dBuV/m	Limit dBuV/m 54.00 74.00 Limit dBuV/m	-5.22 -11.60 Margin	(cm) 112 112 112 112 112 (cm)	(°) 44 44 44 44 Degree	Averag Peak Averag Peak
MHz 5230.000 5230.000 5421.050 5421.050 Freq.	dBuV 95.51 104.72 53.44 66.81 Reading dBuV	dB/m -4.15 -4.15 -4.68 -4.68	Devel dBuV/m 91.36 100.57 48.76 62.13 Level dBuV/m	Limit dBuV/m 54.00 74.00 Limit dBuV/m	-5.24 -11.87 Margin	(cm) 265 265 265 265 Height (cm)	(°) 196 196 196 196 Degree	Average Peak Average Peak Remark	Freq. MHz 5230.000 5230.000 5244.420 5444.420 Freq. MHz	dBuV 99.25 108.96 53.58 67.20 Reading dBuV 42.39	dB/m -4.15 -4.15 -4.80 -4.80 Factor dB/m 6.06	Devel dBuV/m 95.10 104.81 48.78 62.40 Level dBuV/m 48.45	Limit dBuV/m 54.00 74.00 Limit dBuV/m 68.20	-5.22 -11.60 Margin dB	(cm) 112 112 112 112 112 (cm)	(°) 44 44 44 44 Degree (°)	Averag Peak Averag Peak Remark
MHz 5230.000 5230.000 5421.050 5421.050 Freq. MHz	dBuV 95.51 104.72 53.44 66.81 Reading dBuV 41.28	dB/m -4.15 -4.15 -4.68 -4.68 Factor dB/m 6.06	Level dBuV/m 91.36 100.57 48.76 62.13 Level dBuV/m 47.34	Limit dBuV/m 54.00 74.00 Limit dBuV/m 68.20 54.00	dB -5.24 -11.87 Margin dB -20.86	(cm) 265 265 265 265 265 (cm) Height (cm)	(°) 196 196 196 196 196 Degree (°)	Average Peak Average Peak Remark	Freq. MHz 5230.000 5230.000 5444.420 5444.420 Freq.	dBuV 99.25 108.96 53.58 67.20 Reading dBuV	dB/m -4.15 -4.15 -4.80 -4.80	Level dBuV/m 95.10 104.81 48.78 62.40 Level dBuV/m	Limit dBuV/m 54.00 74.00 Limit dBuV/m	-5.22 -11.60 Margin	(cm) 112 112 112 112 112 (cm)	(°) 44 44 44 44 Degree	Averag Peak Averag Peak

802.11ac VHT80 Mode:

								5210	MHz								
			Hori	izonta	l							Vei	rtical				
Freq.	Reading	Factor	Level	Limit	Margin	n Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dE	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/r	n dB	(cm)	(°)	
5084.600	54.99	-3.90	51.09	54.00	-2.91	269	180	Average	5149.800	56.91	-3.84	53.07	54.00	-0.93	118	45	Averag
5084.600	66.82	-3.90	62.92	74.00	-11.08	269	180	Peak	5149.800	68.75	-3.84	64.91	74.00	9.09	118	45	Peak
5210.000	91.82	-4.17	87.65			269	180	Average	5210.000	94.66	-4.17	90.49			118	45	Averag
5210.000	101.37	-4.17	97.20			269	180	Peak	5210.000	104.40	-4.17	100.23			118	45	Peak
Freq. f	Reading	Factor	Level	Limit	Margin H	eight De	egree Re	mark	Freq.	Reading	Factor	Level	Limit	Margin H	eight De	egree Re	emark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10420.000	41.76	5.99	47.75	68.20	-20.45	158	95 Pe	ak	10420.000	41.61	5.99	47.60	68.20	-20.60	154	195 Pe	ak
15630.000	33.31	8.93	42.24	54.00	-11.76	151	161 Av	erage	15630.000	33.05	8.93	41.98	54.00	-12.02	153	72 Av	
15630.000	43.07	8.93	52.00	74.00	-22.00	151	161 Pe	ak	15630.000	42.92	8.93	51.85	74.00	-22.15	153	72 Pe	
17796.000	32.10	12.85	44.95	54.00	-9.05	150	168 Av	erage	17830.000	32.13	12.99	45.12	54.00	-8.88	150	176 Av	
17796.000	45.16	12.85	58.01	74.00	-15.99	150	168 Pe	ak	17830.000	43.67	12.99	56.66	74.00	-17.34	150	176 Pe	eak

Level = Reading + Factor.

Margin = Level-Limit.

5250-5350MHz

802.11a Mode:

								5260	MHz								
			Hori	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	-
5138.970		-3.83	49.47	54.00	-4.53	237	179	Average	5119.700	53.52	-3.81	49.71	54.00	-4.29	151	41	Averag
5138.970 5260.000		-3.83 -4.13	62.40 94.42	74.00	-11.60	237 237	179 179	Peak Average	5119.700 5260.000		-3.81 -4.13	62.70 97.61	74.00	-11.30	151 151	41 41	Peak
5260.000		-4.13	103.60			237	179	Peak	5260.000		-4.13	106.94			151		Averag Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margir	n Heigh	t Degre	e Remar
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m				
10520.000	42.26	6.15	48.41	68.20	-19.79	158	217	Peak	MHZ	abuv	db/m	abuv/m	ubuv/m	at	5 (CM)	()	
15780.000	35.78	9.90	45.68	54.00	-8.32	154	209	Average	10520.000		6.15	48.67		-19.5			Peak
15780.000	45.67	9.90	55.57	74.00	-18.43	154	209	Peak	15780.000 15780.000		9.90 9.90	43.58 54.04	54.00 74.00			74 74	Avera; Peak
								5300	MHz								
			Hori	zontal				2000	·			Ver	tical				
_	n !!		Level	Limit					_	D 11		Level	Limit				
	Reading							Remark		Reading				Margin			Kemark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5300.000 5300.000	99.17 108.57	-4.16 -4.16	95.01 104.41			245 245	194 194	Average Peak	5300.000 5300.000		-4.16 -4.16	97.79 107.12			122 122	46 46	Average Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10600.000		6.29	36.88	54.00		151	74	Average	10600.000		6.29	37.17	54.00	-16.83	148		Average
10600.000 15900.000		6.29 10.02	48.63 46.70	68.20 54.00	-19.57 -7.30	151 169	74 62	Peak Average	10600.000		6.29	49.75	68.20 54.00	-18.45 -10.04	148 157		Peak Average
15900.000		10.02	56.06		-17.94	169	62	Peak	15900.000		10.02	55.42	74.00	-18.58	157	360	Peak
								5320	MHz								
			Hori	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5320.000		-4.22	95.90			258	192	Average	5320.000		-4.22	97.49			136		Averag
5320.000		-4.22 -4.31	105.32 51.21	54.00	-2.79	258 258	192 192	Peak Average	5320.000 5350.860	111.08 56.13	-4.22 -4.32	106.86 51.81	54.00	-2.19	136 136		Peak Averag
5350.690		-4.31	64.13	74.00	-9.87	258	192	Peak	5350.860		-4.32	65.86	74.00	-8.14	136		Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
MHz		6.14	36.98	54.00	-17.02	157		Average	10640.000	30.71	6.14	36.85		-17.15	150		Average
10640.000			48.58	74.00	-25.42	157	146	Peak	10640.000	42.35	6.14	48.49	74.00	-25.51	150	132	Peak
		6.14 10.34	46.31	54.00	-7.69	158	349	Average	15960.000	33.61	10.34	43.95	54.00	-10.05	159		Average

No.: RXZ231115070RF03

Level = Reading + Factor.

Margin = Level-Limit.

 $Factor = Antenna \ Factor + Cable \ Loss - Amplifier \ Gain.$

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) Page 45 of 133

802.11ac VHT20 Mode:

								5260	MHz								
			Hori	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	e Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	-	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5120.110		-3.81	49.45	54.00	-4.55	277	199	Average	5105.760	53.49	-3.80	49.69	54.00	-4.31	124	47	Averag
5120.110 5260.000		-3.81 -4.13	63.17 94.31	74.00	-10.83	277 277	199 199	Peak Average	5105.760 5260.000	65.67 101.40	-3.80 -4.13	61.87 97.27	74.00	-12.13	124		Peak Averag
5260.000		-4.13	103.75			277	199	Peak	5260.000		-4.13	106.65			124	47	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin H	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10520.000	41.83	6.15	47.98	68.20	-20.22	155		Peak	10520.000	43.13	6.15	49.28	68.20	-18.92	157	181	Peak
15780.000		9.90	47.98	54.00	-10.09	151		Average	15780.000	33.11	9.90	43.01	54.00	-10.99	155	21	Average
15780.000	44.09	9.90	53.99	74.00	-20.01	151	1	Peak	15780.000	44.00	9.90	53.90	74.00	-20.10	155	21	Peak
								5300	MHz								
			Hori	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5300.000 5300.000		-4.16 -4.16	94.41 104.68			243 243	194 194	Average Peak	5300.000 5300.000		-4.16 -4.16	96.97 106.63			135 135		Average Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10600.000		6.29	36.91	54.00	-17.09	154	135	Average	10600.000			36.91	54.00	-17.09	154		Average
10600.000 15900.000	42.50 34.81	6.29 10.02	48.79 44.83	68.20 54.00	-19.41 -9.17	154 152	135 357	Peak Average	19600.000			48.99	68.20 54.00	-19.21 -10.68	154		Peak Average
15900.000		10.02	55.86	74.00	-18.14	152	357	Peak	15900.000			52.50	74.00		158		Peak
								5320	MHz								
			Hori	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	e Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5320.000		-4.22	95.38			259		Average	5320.000	101.05	-4.22	96.83			110		Averag
5320.000 5350.010		-4.22 -4.31	105.43 50.22	54.00	-3.78	259 259		Peak Average	5320.000 5352.050	111.00 54.98	-4.22 -4.32	106.78 50.66	54.00	-3.34	110 110		Peak Averag
5350.010		-4.31	64.69	74.00	-9.31	259		Peak	5352.050	69.37	-4.32	65.05	74.00	-8.95	110	41	Peak
	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	: Degree	e Remark
Freq.		dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
Freq. MHz	dBuV	ab/m							1								
MHz 10640.000	30.68	6.14	36.82	54.00	-17.18	155	334	Average	10640.000	30.71	6.14	36.85	54.00	-17.15	157	50	Averag
MHz	30.68 42.79		36.82 48.93 46.08	54.00 74.00 54.00	-17.18 -25.07 -7.92	155 155 151	334 334 345	Average Peak Average	10640.000 10640.000 15960.000	30.71 42.44 33.45	6.14 6.14 10.34	36.85 48.58 43.79	54.00 74.00 54.00	-25.42	157	50 50 7	Averag Peak Averag

No.: RXZ231115070RF03

Level = Reading + Factor.

Margin = Level-Limit.

802.11ac VHT40 Mode:

								5270]	MHz								
			Horiz	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5140,200	53.38	-3.83	49.55	54.00	-4.45	264	194	Average	5097.970	53.68	-3.80	49.88	54.00	-4.12	107	40	Average
5140.200		-3.83	62.35	74.00	-11.65	264	194	Peak	5097.970	66.69	-3.80	62.89		-11.11	107		Peak
5270.000		-4.14	90.95	74.00	11.05	264	194	Average	5270.000	98.80	-4.14	94.66	, ,,,,,,		107		Average
5270.000		-4.14	100.60			264	194	Peak	5270.000	108.29	-4.14	104.15			107		Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
10540.000	41.94	6.19	48.13	68.20	-20.07	159	4	Peak	10540.000	42.82	6.19	49.01	68.20	-19.19	153	174	Peak
		10.06	44.50	54.00	-9.50	154	2	Average	15810.000	33.51	10.06	43.57	54.00	-10.43	151	298	Averag
15810 000					5.50			Peak	15810.000	43.82	10.06	53.88	74.00	-20.12	151		Peak
15810.000 15810.000		10.06	54.63	74.00	-19.37	154	2	5310									
					-19.37	154						Ver	rtical				
				74.00 zontal	-19.37	154						Ver	tical				
15810.000							Degree	5310	MHz	Reading	Factor	Ver	rtical	Margin	Height	: Degree	
15810.000	44.57	10.06	Horiz	zontal				5310	MHz	Reading ————————————————————————————————————	Factor dB/m			Margin ————————————————————————————————————			
Freq. MHz 5310.000	Reading dBuV 95.16	Factor dB/m -4.20	Horiz Level dBuV/m 90.96	zontal Limit	Margin	Height (cm)	Degree (°) 191	5310 Remark	MHz			Level	Limit			: Degree	
Freq. MHz 5310.000	44.57 Reading dBuV 95.16 104.84	Factor dB/m -4.20 -4.20	Horiz Level dBuV/m 90.96 100.64	Zontal Limit	Margin dB	Height (cm) 257 257	Degree (°) 191 191	Remark Average Peak	MHz Freq. MHz	dBuV 97.16 106.60	dB/m	Level dBuV/m 92.96 102.40	Limit		(cm)	: Degree	e Remari
Freq. MHz 5310.000 5352.390	Reading dBuV 95.16 104.84 56.57	Factor dB/m -4.20 -4.29 -4.33	Horiz Level dBuV/m 90.96 100.64 52.24	zontal Limit dBuV/m	Margin dB	Height (cm) 257 257 257	Degree (°) 191 191 191	5310] Remark Average Peak Average	Freq. MHz 5310.000	dBuV 97.16	dB/m	Level dBuV/m 92.96	Limit		(cm) 104 104	: Degree (°)	e Remar - - Avera Peak
Freq. MHz 5310.000	Reading dBuV 95.16 104.84 56.57	Factor dB/m -4.20 -4.20	Horiz Level dBuV/m 90.96 100.64	Zontal Limit	Margin dB	Height (cm) 257 257	Degree (°) 191 191	Remark Average Peak	Freq. MHz 5310.000 5310.000	dBuV 97.16 106.60	dB/m -4.20 -4.20	Level dBuV/m 92.96 102.40	Limit — dBuV/m	dB	(cm) 104 104 104	Degree (°) 43 43	e Remari - ————————————————————————————————————
Freq. MHz 5310.000 5352.390	Reading dBuV 95.16 104.84 56.57	Factor dB/m -4.20 -4.29 -4.33	Horiz Level dBuV/m 90.96 100.64 52.24	zontal Limit dBuV/m	Margin dB -1.76 -4.91	Height (cm) 257 257 257 257	Degree (°) 191 191 191 191	5310] Remark Average Peak Average	Freq. MHz 5310.000 5350.010 5350.010	dBuV 97.16 106.60 57.51	dB/m -4.20 -4.20 -4.31	Level dBuV/m 92.96 102.40 53.20	Limit dBuV/m	-0.80 -4.28	(cm) 104 104 104 104	Degree (°) 43 43 43	Avera Peak Avera Peak
Freq. MHz 5310.000 5352.390	Reading dBuV 95.16 104.84 56.57 73.42 Reading	Factor dB/m -4.20 -4.33 -4.33	Horiz Level dBuV/m 90.96 100.64 52.24 69.09	Limit dBuV/m 54.00 74.00	Margin dB -1.76 -4.91	Height (cm) 257 257 257 257	Degree (°) 191 191 191 191	S310] Remark Average Peak Average Peak	Freq. MHz 5310.000 5350.010 5350.010	dBuV 97.16 106.60 57.51 74.03	-4.20 -4.20 -4.31 -4.31	Level dBuV/m 92.96 102.40 53.20 69.72	Limit dBuV/m 54.00 74.00	-0.80 -4.28	(cm) 104 104 104 104	Degree (°) 43 43 43	Avera Peak Avera Peak
Freq. 5310.000 5310.000 5352.390 Freq.	Reading dBuV 95.16 104.84 56.57 73.42 Reading dBuV	Factor dB/m -4.20 -4.33 -4.33	Hori: Level dBuV/m 90.96 100.64 52.24 69.09 Level	Limit dBuV/m 54.00 74.00 Limit	Margin dB -1.76 -4.91 Margin	Height (cm) 257 257 257 257 Height (cm)	Degree (°) 191 191 191 191	S310] Remark Average Peak Average Peak	Freq. MHz 5310.000 5350.010 5350.010 Freq.	dBuV 97.16 106.60 57.51 74.03 Reading	dB/m -4.20 -4.20 -4.31 -4.31 Factor dB/m	Level dBuV/m 92.96 102.40 53.20 69.72 Level	Limit dBuV/m 54.00 74.00 Limit dBuV/m	-0.80 -4.28 Margin	(cm) 104 104 104 104 104 (cm)	Degree (°)	Averal Peak Averal Peak Remark
Freq. MHz 5310.000 5310.000 5352.390 Freq. MHz	Reading dBuV 95.16 104.84 56.57 73.42 Reading dBuV 31.41	Factor dB/m -4.20 -4.33 -4.33 Factor dB/m	Hori: Level dBuV/m 90.96 100.64 52.24 69.09 Level	Limit dBuV/m 54.00 74.00 Limit dBuV/m	Margin -1.76 -4.91 Margin dB	Height (cm) 257 257 257 257 Height (cm)	Degree (°) 191 191 191 191 (°)	Remark Average Peak Average Peak Remark	Freq. MHz 5310.000 5350.010 5350.010 Freq. MHz 10620.000	dBuV 97.16 106.60 57.51 74.03 Reading dBuV 31.21	dB/m -4.20 -4.20 -4.31 -4.31 Factor dB/m 6.22	Level dBuV/m 92.96 102.40 53.20 69.72 Level dBuV/m 37.43	Limit dBuV/m 54.00 74.00 Limit dBuV/m 54.00	-0.80 -4.28 Margin dB	(cm) 104 104 104 104 (cm) 150	Degree	Average Remark
Freq. MHz 5310.000 5310.000 5312.390 Freq. MHz	Reading dBuV 95.16 104.84 56.57 73.42 Reading dBuV 31.41 42.27	Factor -4.20 -4.23 -4.33 Factor dB/m -6.22	Horiz Level dBuV/m 90.96 100.64 52.24 69.09 Level dBuV/m 37.63	Limit dBuV/m 54.00 74.00 Limit dBuV/m	Margin -1.76 -4.91 Margin dB	Height (cm) 257 257 257 (cm) (cm) 155 155	Degree (°) 191 191 191 191 191 (°) 140	Remark Average Peak Remark Average Average Average	Freq. MHz 5310.000 5350.010 5350.010 Freq.	dBuV 97.16 106.60 57.51 74.03 Reading	dB/m -4.20 -4.20 -4.31 -4.31 Factor dB/m	Level dBuV/m 92.96 102.40 53.20 69.72 Level	Limit dBuV/m 54.00 74.00 Limit dBuV/m	-0.80 -4.28 Margin	(cm) 104 104 104 104 104 (cm)	Degree (°)	Avera, Peak Avera, Peak

802.11ac VHT80 Mode:

								5290	MHz								
			Hori	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5290.000 5290.000 5350.800 5350.800	91.11 100.48 56.80 68.72	-4.16 -4.16 -4.31 -4.31	86.95 96.32 52.49 64.41	54.00 74.00	-1.51 -9.59	265 265 265 265	192 192	Average Peak Average Peak	5290.000 5290.000 5351.220 5351.220	94.23 103.54 57.81 70.73	-4.16 -4.16 -4.32 -4.32	90.07 99.38 53.49 66.41	54.00 74.00	-0.51 -7.59	108 108 108 108	42 42	Average Peak Average Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	t Degree	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remar
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
0580.000 5870.000	41.69 34.26	6.26 10.03	47.95 44.29	68.20 54.00	-20.25 -9.71	158 152	194 40	Peak Average	10580.000 15870.000	42.81 34.06	6.26 10.03	49.07 44.09	68.20 54.00	-19.13 -9.91	151 156	305 96	
15870.000	42.68	10.03	52.71	74.00		152	40	Peak	15870.000		10.03	53.37	74.00	-20.63	156	96	

Level = Reading + Factor.

Margin = Level-Limit.

5470-5725MHz

802.11a Mode:

								5500	VIHZ								
			Horiz	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	t Degree	e Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5459.840	54.93	-4.81	50.12	54.00	-3.88	122	196	Average	5459.500	54.61	-4.81	49.80	54.00	-4.20	136	42	Average
5459.840 5500.000	68.78	-4.81 -4.78	63.97 99.23		-10.03		196	Peak Average	5459.500	68.25 100.35	-4.81 -4.78	63.44 95.57		-10.56		42	Peak
5500.000		-4.78	108.80			122		Peak		109.93	-4.78	105.15			136	42	Average Peak
	Reading		Level	Limit				Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11000.000		6.84	37.54		-16.46	150		Average	11000.000	30.58	6.84	37.42	54.00	-16.58	155		Average
11000.000 16500.000		6.84 11.78	48.73 67.85	68.20	-25.27 -0.35	150 170		Peak Peak	11000.000 16500.000		6.84	49.53 61.12	74.00 68.20	-24.47 -7.08	155 186	78 360	Peak Peak
								5580	MHz								
			Horiz	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	e Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5580.000	104.31	-4.71	99.60			112	198	Average	5580.000	100.68	-4.71	95.97			131	44	Averag
5580.000	113.83	-4.71	109.12			112	198	Peak	5580.000	110.23	-4.71	105.52			131		Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Eren	Reading	Factor	Level	Limit	Margin	Height	Dognee	Romank
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m		(cm)	(°)	
11160.000	30.76	6.96	37.72	54.00	-16.28	154	182	Average	0.000						7	1	
11160.000 16740.000		6.96 11.62	49.35 67.52	74.00 68.20	-24.65 -0.68			Peak Peak	11160.000 11160.000 16740.000	30.51 43.08 47.28	6.96 6.96 11.62	37.47 50.04 58.90		-16.53 -23.96 -9.30	153 153 151	123	Average Peak Peak
								5700	MUa								
								5/00	VIПZ			Vor	tical				
			Horiz	zontal													
			Horiz	zontal								ver	ticai				
	Reading		Level	Limit				e Remark	Freq. R	eading	Factor	Level		Margin H	Height		Remark
MHz	dBuV	dB/m	Level dBuV/m			(cm)	(°)		MHz	dBuV	dB/m	Level			deight (cm)	Degree (°)	Remark
MHz 5700.000	dBuV	dB/m	Level dBuV/m	Limit		(cm)	(°)	Average	MHz 5700.000	dBuV 98.91	dB/m -5.31	Level dBuV/m 93.60	Limit		(cm)	(°)	Average
MHz	dBuV 106.19 115.69	dB/m	Level dBuV/m	Limit		(cm)	(°)	Average Peak	MHz 5700.000	dBuV	dB/m	Level	Limit		(cm)	(°)	Average
MHz 5700.000 5700.000 5725.000	dBuV 106.19 115.69	dB/m -5.31 -5.31 -5.27	Level dBuV/m 100.88 110.38	Limit dBuV/m	-3.17	122 122 122	(°) 201 201 201	Average Peak	MHz 5700.000 5700.000 5725.000	dBuV 98.91 108.34	dB/m -5.31 -5.31 -5.27	Level dBuV/m 93.60 103.03	Limit dBuV/m	dB -6.26	(cm) 129 129 129	(°) 38 38 38	Average Peak Peak
MHz 5700.000 5700.000 5725.000	dBuV 106.19 115.69 70.30	dB/m -5.31 -5.31 -5.27	Level dBuV/m 100.88 110.38 65.03	Limit dBuV/m 68.20	-3.17	122 122 122 122	(°) 201 201 201	Average Peak Peak	MHz 5700.000 5700.000 5725.000	98.91 108.34 67.21	dB/m -5.31 -5.31 -5.27	Devel dBuV/m 93.60 103.03 61.94	Limit dBuV/m 68.20	dB -6.26	(cm) 129 129 129	(°) 38 38 38	Average Peak Peak e Remar
MHz 5700.000 5700.000 5725.000 Freq.	dBuV 106.19 115.69 70.30 Reading dBuV 31.77	dB/m -5.31 -5.31 -5.27	dBuV/m 100.88 110.38 65.03	Limit dBuV/m 68.20 Limit dBuV/m	-3.17 Margin dB	(cm) 122 122 122 122 (cm) Height (cm)	(°) 201 201 201 Degree (°) 244	Average Peak Peak	MHz 5700.000 5700.000 5725.000 Freq.	dBuV 98.91 108.34 67.21 Reading	dB/m -5.31 -5.31 -5.27	dBuV/m 93.60 103.03 61.94	Limit dBuV/m 68.20 Limit	dB -6.26 Margir	129 129 129 129 129	(°) 38 38 38 38 t Degree (°)	Average Peak Peak e Remar

No.: RXZ231115070RF03

Level = Reading + Factor.

Margin = Level-Limit.

802.11ac VHT20 Mode:

								5500									
			Hori	zontal								Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	t Degre	e Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	-
5458.820	55.06	-4.81	50.25	54.00	-3.75	123	195	Average	5459.330	54.33	-4.81	49.52	54.00	-4.48	116	43	Averag
5458.820 5500.000	70.11	-4.81 -4.78	65.30 98.71	74.00	-8.70	123 123	195 195	Peak Average	5459.330	68.66	-4.81	63.85		-10.15		43	Peak
5500.000		-4.78	108.44			123		Peak	5500.000 5500.000	99.94	-4.78 -4.78	95.16 105.06			116 116		Averag Peak
									3300.000	105.04	-4.70	103.00			110	43	reak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Enon	Reading	Easton	Level	Limit	Margin	Hoight	Dognoo	Romank
MHz	dBuV	dB/m	d8uV/m	dBuV/m	dB	(cm)	(°)										Kelliark
11000.000	30.88	6.84	37.72	54.00	-16.28	159	52	Average	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11000.000		6.84	48.49	74.00	-25.51	159	52	Peak	11000.000	31.17	6.84	38.01	54.00	-15.99	151	103	Average
16500.000	55.07	11.78	66.85	68.20	-1.35	165	1	Peak	11000.000	43.30	6.84	50.14		-23.86	151		Peak
									16500.000	45.52	11.78	57.30	68.20	-10.90	153	357	Реак
								5580	MHz								
			Hori	zontal								Ver	tical				
Enoa	Reading	Factor	Level	Limit	Margin	⊌oj ght	Dognoo	Romank	Enog	Reading	Easton	Level	Limit	Margin	Hoight	Dognoo	Romank
																	IVEIII ai K
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5580.000		-4.71	98.98			113		Average	5580.000	99.26	-4.71	94.55			148		Averag
5580.000	113.77	-4.71	109.06			113	197	Peak	5580.000	109.37	-4.71	104.66			148	41	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree 1	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
	20.01				46.00	450			11160.000	30.54	6.96	37.50	54.00	-16.50	152	27	Average
11160.000 11160.000		6.96 6.96	37.80 49.18	74.00	-16.20 -24.82		336 336	Average Peak	11160.000	41.80	6.96	48.76	74.00	-25.24	152	27 1	Peak
16740.000	54.77	11.62	66.39	68.20	-1.81	143	360	Peak	16740.000	45.68	11.62	57.30	68.20	-10.90	155	179	reak
								5700	MHz								
				zontol								Ver	tical				
			Hori	ZUIITAI													
Freq. R	eading F	actor	Hori Level		Margin H	Height	Degree	Remark	Freq. R	eading	Factor	Level	Limit	Margin H	Height	Degree	Remark
Freq. Ro	eading F	actor dB/m			Margin H	Height (cm)	Degree (°)	Remark	Freq. R	eading — dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m		Height (cm)	Degree (°)	Remark
MHz	dBuV	dB/m	Level dBuV/m	Limit	Margin H	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m			(cm)	(°)	
MHz 700.000	dBuV 104.77 114.82	dB/m -5.31 -5.31	dBuV/m 99.46 109.51	Limit dBuV/m	Margin H	(cm) 122 122	(°) 201 201	Average Peak	MHz 5700.000							(°)	
MHz 700.000	dBuV	dB/m -5.31	Level dBuV/m	Limit	Margin H	(cm)	(°)	Average Peak	MHz 5700.000	dBuV 97.10	dB/m -5.31	dBuV/m 91.79			(cm)	(°) 40 40	Average
MHz 700.000 700.000 725.000	dBuV 104.77 114.82	dB/m -5.31 -5.31 -5.27	dBuV/m 99.46 109.51	Limit dBuV/m	Margin H	(cm) 122 122 122	(°) 201 201 201	Average Peak Peak	MHz 5700.000 5700.000 5725.000	dBuV 97.10 107.23	dB/m -5.31 -5.31 -5.27	dBuV/m 91.79 101.92	dBuV/m	dB -5.83	(cm) 129 129 129	(°) 40 40 40	Average Peak Peak
MHz 700.000 700.000 725.000	dBuV 104.77 114.82 72.07	dB/m -5.31 -5.31 -5.27	Devel dBuV/m 99.46 109.51 66.80	Limit dBuV/m 68.20	Margin H	(cm) 122 122 122	(°) 201 201 201	Average Peak Peak	MHz 5700.000 5700.000 5725.000	dBuV 97.10 107.23 67.64	dB/m -5.31 -5.31 -5.27 Factor	91.79 101.92 62.37 Level	dBuV/m 68.20 Limit	dB -5.83	(cm) 129 129 129 Height	(°) 40 40 40 Degree	Average Peak Peak
MHz 700.000 700.000 725.000 Freq.	dBuV 104.77 114.82 72.07 Reading dBuV	dB/m -5.31 -5.31 -5.27 Factor dB/m	Devel dBuV/m 99.46 109.51 66.80 Level dBuV/m	Limit dBuV/m 68.20 Limit dBuV/m	Margin H dB -1.40 Margin dB	(cm) 122 122 122 Height (cm)	(°) 201 201 201 Degree (°)	Average Peak Peak Remark	MHz 5700.000 5700.000 5725.000 Freq. MHz	97.10 107.23 67.64 Reading	dB/m -5.31 -5.31 -5.27 Factor dB/m	dBuV/m 91.79 101.92 62.37 Level	dBuV/m 68.20 Limit dBuV/m	dB -5.83 Margin	(cm) 129 129 129 Height (cm)	(°) 40 40 40 Degree (°)	Average Peak Peak Remark
MHz 700.000 700.000 725.000 Freq.	dBuV 104.77 114.82 72.07	dB/m -5.31 -5.31 -5.27 Factor	dBuV/m 99.46 109.51 66.80 Level	Limit dBuV/m 68.20 Limit	Margin H dB -1.40 Margin	(cm) 122 122 122 Height	(°) 201 201 201 201 Degree (°)	Average Peak Peak	MHz 5700.000 5700.000 5725.000 Freq.	dBuV 97.10 107.23 67.64 Reading	dB/m -5.31 -5.31 -5.27 Factor	91.79 101.92 62.37 Level	dBuV/m 68.20 Limit	dB -5.83 Margin	(cm) 129 129 129 Height	(°) 40 40 40 Degree (°)	Average Peak Peak

Level = Reading + Factor.

Margin = Level - Limit.

802.11ac VHT40 Mode:

								5510	MHz								
			Hori	izontal	l							Vei	rtical				
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	. Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5453.720		-4.83	53.26	54.00	-0.74	275	197	Average	5459.670	57.00	-4.81	52.19	54.00	-1.81	160	41	Average
5453.720 5510.000		-4.83 -4.76	66.08 96.06	74.00	-7.92	275 275	197 197	Peak Average	5459.670 5510.000		-4.81 -4.76	65.30 92.52	74.00	-8.70	160 160		Peak Average
5510.000		-4.76	105.48			275	197	Peak	5510.000		-4.76	102.50			160		Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq	. Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MH	z dBu\	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11020.000	30.78	6.83	37.61	54.00	-16.39	157	170	Average	11020.000	9 31.17	6.83	38.00	54.00	-16.00	156	190	Average
11020.000 16530.000		6.83 11.90	48.41 62.53	74.00 68.20	-25.59 -5.67	157 169		Peak Peak	11020.000 16530.000			48.69 57.21	74.00 68.20	-25.31 -10.99	156 158	190 359	Peak Peak
								5550	MHz								
			Hori	izontal	1			3330	I I			Voi	rtical				
			11011	ZUIITA								VCI	ucai				
Freq. 1	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq. I	Reading	Factor	Level	Limit	Margin H	leight	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5550.000 5550.000	99.19 108.84	-4.65 -4.65	94.54 104.19			161 161		Average Peak	5550.000 5550.000	95.36 104.94	-4.65 -4.65	90.71 100.29			241 241		Average Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11100.000	29.85	6.78	36.63	54.00	-17.37	152	195	Average	11100.000	29.79	6.78	36.57	54.00	-17.43	154	158	Average
11100.000 11100.000 16650.000	41.62 43.10	6.78 11.92	48.40 55.02	74.00	-25.60 -13.18	152 148	195	Peak Peak	11100.000 16650.000	40.80 42.65	6.78 11.92	47.58 54.57		-26.42 -13.63	154 147	158 39	Peak Peak
								5670	MHz								
			Hori	izontal	l							Vei	rtical				
Freq. F	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq. f	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5670.000		-5.07	97.39			109	199	Average	5670.000	95.89	-5.07	90.82			137		Average
5670.000 5725.000	112.36 71.10	-5.07 -5.27	107.29 65.83	68.20	-2.37	109 109	199 199	Peak Peak	5670.000 5725.000	105.84 67.63	-5.07 -5.27	100.77 62.36	68.20	-5.84	137 137		Peak Peak
Freq.	Reading	Factor	Level	Limit	Margir	n Heigh	t Degre	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
	dBuV	dB/m	dBuV/m	dBuV/m	dE	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
MHz				F4 00	-15.85	153	84	Average	11340.000	30.85	7.07	37.92	54.00	-16.08	155		Averag
MHz 11340.000 11340.000		7.07 7.07	38.15 48.93	54.00 74.00			84		11340.000		7.07	48.79	74.00		155 155		Peak

No.: RXZ231115070RF03

Level = Reading + Factor.

Margin = Level-Limit.

802.11ac VHT80 Mode:

								3330	MHz								
			Hori	zonta	l							Ver	tical				
Freq.	Reading	Factor	Level	Limit	Margin	Heigh	Degree	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5459.160	58.22	-4.81	53.41	54.00	-0.59	267	198	Average	5444.370	56.98	-4.80	52.18	54.00	-1.82	134	12	Average
5459.160	70.09	-4.81	65.28	74.00			198	Peak	5444.370	69.54	-4.80	64.74	74.00	-9.26	134		Peak
5530.000	94.55	-4.70	89.85	,	01,72	267	198	Average	5530.000	91.20	-4.70	86.50	74.00	5.20	134	42	Average
5530.000		-4.70	99.21			267	198	Peak	5530.000	100.38	-4.70	95.68			134		Peak
Freq.	Reading	Factor	Level	Limit	Margir	Heigh	t Degree	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/n	dE	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11060.000	31.68	6.80	38.48	F4 00	-15.52	457	200		11000 000	24.46	6.80	20.26	F4 00	45 74	456	0	
	41.37	6.80	48.17	54.00			299 299	Average Peak	11060.000	31.46 42.96	6.80	38.26 49.76	54.00 74.00	-15.74	156 156	9	Average
11060.000		12.13	48.17 58.79	74.00 68.20			299	Peak Peak	11060.000 16590.000	42.96	12.13	57.29	68.20	-24.24 -10.91	150		Peak Peak
16590.000	40.00																
16590.000	40.00																
16590.000	40.00							5610	MHz								
16590.000	40.00		Hori	zonta	<u> </u>			5610	MHz			Ver	tical				
	40.00	Factor	Hori	zonta	l Margin H	Height	Degree			eading	Factor	Ver		Margin H	deight	Degree	Remark
		Factor dB/m			Margin H	Height (cm)	Degree (°)			eading dBuV	Factor dB/m			Margin H	Height (cm)	Degree (°)	Remark
MHz	dBuV	dB/m	Level	Limit dBuV/m	Margin H	(cm)	(°)	Remark	Freq. R			Level	Limit			(°)	Remark —
Freq. F MHz -	deading		Level	Limit dBuV/m	Margin H		(°)	Remark — Average	Freq. R	dBuV	dB/m	Level dBuV/m	Limit dBuV/m	dB	(cm)	(°)	
Freq. F MHz - 5438.760 5438.760	dBuV 54.69 66.09	dB/m -4.76 -4.76	Level dBuV/m 49.93 61.33	Limit dBuV/m	Margin H	(cm) 106 106	(°) 201 201	Remark — Average Peak	Freq. R	dBuV 54.99	dB/m -4.69	Level dBuV/m 50.30	Limit dBuV/m	dB -3.70	(cm)	(°)	Average Peak
Freq. F MHz - 5438.760 5438.760 5610.000	dBuV 54.69 66.09 99.88	dB/m -4.76 -4.76 -4.78	Level dBuV/m 49.93 61.33 95.10	Limit dBuV/m	Margin H	(cm)	(°) 201 201 201	Remark Average Peak Average	Freq. R MHz 5422.800 5422.800 5610.000	dBuV 54.99 66.93	dB/m -4.69 -4.69	Level dBuV/m 50.30 62.24	Limit dBuV/m	dB -3.70	(cm) 146 146	(°) 43 43 43	Average Peak
Freq. R MHz 5438.760 5438.760 5610.000	dBuV 54.69 66.09	dB/m -4.76 -4.76	Level dBuV/m 49.93 61.33	Limit dBuV/m	Margin H	(cm) 106 106 106	(°) 201 201 201 201	Remark — Average Peak	Freq. R MHz 5422.800 5422.800 5610.000	dBuV 54.99 66.93 94.10	dB/m -4.69 -4.69 -4.78	Devel dBuV/m 50.30 62.24 89.32	Limit dBuV/m	dB -3.70	(cm) 146 146 146	(°) 43 43 43 43	Average Peak Average
Freq. F MHz - 5438.760 5438.760 5610.000 5610.000 5725.000	dBuV - 54.69 99.88 109.10	dB/m -4.76 -4.76 -4.78 -4.78	Level dBuV/m 49.93 61.33 95.10 104.32	Limit dBuV/m 54.00 74.00	Margin H dB -4.07 -12.67	(cm) 106 106 106 106 106	(°) 201 201 201 201 201 201	Remark Average Peak Average Peak	Freq. R MHz 5422.800 5422.800 5610.000 5610.000 5725.000	dBuV 54.99 66.93 94.10 103.55	dB/m -4.69 -4.69 -4.78 -4.78 -5.27	Level dBuV/m 50.30 62.24 89.32 98.77	Limit dBuV/m 54.00 74.00	dB -3.70 -11.76 -6.96	(cm) 146 146 146 146 146	(°) 43 43 43 43 43	Average Peak Average Peak Peak
Freq. F MHz - 5438.760 5438.760 5610.000 5610.000 5725.000	dBuV - 54.69 99.88 109.10 68.10	dB/m -4.76 -4.76 -4.78 -4.78	dBuV/m 49.93 61.33 95.10 104.32 62.83	Limit dBuV/m 54.00 74.00 68.20	Margin H dB -4.07 -12.67	(cm) 106 106 106 106 106	(°) 201 201 201 201 201 201	Remark Average Peak Average Peak Peak	Freq. R MHz 5422.800 5422.800 5610.000 5610.000 5725.000	dBuV 54.99 66.93 94.10 103.55 66.51	dB/m -4.69 -4.69 -4.78 -4.78 -5.27	Devel dBuV/m 50.30 62.24 89.32 98.77 61.24	Limit dBuV/m 54.00 74.00	dB -3.70 -11.76 -6.96	(cm) 146 146 146 146 146	(°) 43 43 43 43 43	Average Peak Average Peak
Freq. F MHz 5438.760 5438.760 5610.000 5610.000 Freq.	dBuV 54.69 66.09 99.88 109.10 68.10 Reading	dB/m -4.76 -4.76 -4.78 -4.78 -5.27 Factor dB/m	dBuV/m 49.93 61.33 95.10 104.32 62.83 Level	Limit dBuV/m 54.00 74.00 68.20 Limit dBuV/m	Margin H -4.07 -12.67 -5.37 Margin dB	(cm) 106 106 106 106 106 106 Height (cm)	(°) 201 201 201 201 201 201 Consider the constant of the con	Average Peak Average Peak Peak Peak Remark	Freq. R MHz 5422.800 5422.800 5610.000 5610.000 5725.000	dBuV 54.99 66.93 94.10 103.55 66.51 Reading dBuV 31.71	dB/m -4.69 -4.69 -4.78 -4.78 -5.27	Devel dBuV/m 50.30 62.24 89.32 98.77 61.24	Limit dBuV/m 54.00 74.00 68.20 Limit dBuV/m 54.00	dB -3.70 -11.76 -6.96 Margin dB -15.22	(cm) 146 146 146 146 146 146 (cm)	(°) 43 43 43 43 43 (°)	Average Peak Average Peak Peak
Freq. F MHz 5438.760 6438.760 6610.000 6610.000 6725.000 Freq.	dBuV 54.69 66.09 99.88 109.10 68.10 Reading	dB/m -4.76 -4.76 -4.78 -4.78 -5.27	dBuV/m 49.93 61.33 95.10 104.32 62.83 Level	Limit dBuV/m 54.00 74.00 68.20 Limit	Margin H -4.07 -12.67 -5.37 Margin dB -14.98	(cm) 106 106 106 106 106 106	(°) 201 201 201 201 201 201 Degree	Remark Average Peak Average Peak Peak	Freq. R MHz 5422.800 5422.800 5610.000 5610.000 5725.000 Freq.	dBuV 54.99 66.93 94.10 103.55 66.51 Reading dBuV 31.71	dB/m -4.69 -4.69 -4.78 -4.78 -5.27 Factor dB/m	Devel dBuV/m 50.30 62.24 89.32 98.77 61.24 Level dBuV/m	Limit dBuV/m 54.00 74.00 68.20 Limit dBuV/m	dB -3.70 -11.76 -6.96 Margin dB -15.22	(cm) 146 146 146 146 146 146 Height (cm)	(°) 43 43 43 43 43 43 6 Degree	Average Peak Average Peak Peak

No.: RXZ231115070RF03

Level = Reading + Factor.

Margin = Level - Limit.

5725-5850MHz

802.11a Mode:

								5745	5 MHz								
			Hori	izonta	l							Vei	rtical				
Freq. R	eading	Factor	Level	Limit	Margin H	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin H	Height	Degree	Remark
MHz	dBuV _	dB/m	dBuV/m	dBuV/m	 dB	(cm)	(°)		MHz	dBuV		dBuV/m	dBuV/m	dB	(cm)	(°)	
5629.440	66.00	-4.85	61.15	68.20	-7.05	106	151	Peak	5618.280	65.43	-4.81	60.62	68.20	-7.58	112		Peak
5699.280	67.36	-5.31	62.05		-42.62	106	151	Peak	5677.680	66.22	-5.14	61.08		-27.64	112		Peak
5720.160	77.05	-5.28	71.77	111.17	-39.40	106	151	Peak	5720.160	72.28	-5.28	67.00	111.17	-44.17	112		Peak
5725.000 5745.000	78.11 113.93	-5.27 -5.24	72.84 108.69	122.20	-49.36	106 106	151 151	Peak Peak	5725.000 5745.000	73.74 109.48	-5.27 -5.24	68.47 104.24	122.20	-53.73	112 112		Peak Peak
5850.000	64.76	-5.11	59.65	122.20	-62.55	106	151	Peak	5850.000	64.04	-5.11	58.93		-63.27	112	50	Peak
5859.840 5922.120	66.70 65.63	-5.05 -4.55	61.65 61.08	109.44 70.32	-47.79 -9.24	106 106	151 151	Peak Peak	5868.840 5896.920	66.05 66.06	-4.98 -4.79	61.07 61.27	106.92 88.94	-45.85 -27.67	112 112		Peak Peak
5940.120	65.96	-4.38	61.58	68.20	-6.62	106	151	Peak	5931.480	66.17	-4.46	61.71	68.20	-6.49	112		Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degre	e Remark	Freq	. Reading	g Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MH	z dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11490.000	31.44	7.23	38.67	54.00	-15.33	156	0	Average	11490.00	0 30.54	7.23	37.77	54.00	-16.23	152	103	Average
11490.000 17235.000	41.92 44.44	7.23 11.80	49.15 56.24	74.00 68.20		156 156	9 39		11490.00 17235.00	0 41.43		48.66 53.26	74.00 68.20	-25.34	152	103 19	Peak Peak
								5785	5 MHz								
			Hori	izonta	l							Vei	rtical				
Freq. F		Factor	Level	Limit	Margin			Remark		Reading	Factor	Level	Limit	Margin			Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5624.760 5697.480	65.87 66.40	-4.83 -5.29	61.04 61.11	68.20 103.34	-7.16 -42.23	106 106	153 153	Peak Peak	5622.240 5668.680	65.95 66.75	-4.82 -5.06	61.13 61.69	68.20 82.06	-7.07 -20.37	103 103	46 46	Peak Peak
5709.360	66.40	-5.29	61.11	107.82	-46.71	106	153	Peak	5705.400	65.22	-5.30	59.92	106.71	-46.79	103	46	Peak
5725.000 5785.000	63.85	-5.27	58.58	122.20	-63.62	106 106	153	Peak	5725.000 5785.000	64.16	-5.27	58.89	122.20	-63.31	103	46	Peak
5850.000	114.21 65.11	-5.18 -5.11	109.03 60.00	122.20	-62.20	106	153 153	Peak Peak	5850.000	109.42 65.97	-5.18 -5.11	104.24 60.86	122.20	-61.34	103 103	46 46	Peak Peak
5854.800	66.18	-5.08	61.10	111.26	-50.16	106	153	Peak	5872.080	65.79	-4.96	60.83	106.02	-45.19	103	46	Peak
5922.840 5962.440	66.41 66.00	-4.54 -4.21	61.87 61.79	69.79 68.20	-7.92 -6.41	106 106	153 153	Peak Peak	5914.560 5961.720	66.12 66.60	-4.63 -4.21	61.49 62.39	75.90 68.20	-14.41 -5.81	103 103	46 46	Peak Peak
Feee	Pandina	Easton	Lovel	1 ()	Manain I	Hai abb	Danne	Romani									
MHz	Reading	Factor dB/m	dBuV/m	dBuV/m	Margin I	(cm)	(°)	Kemark	Freq MH:	Reading dBuV		Level ———————————————————————————————————	Limit ———————————————————————————————————			Degree (°)	Remark
11570.000	32.59	7.19	39.78	54.00	-14.22	155			141.	. ubuv	ub/ III		ubuv/ III	ub	(Сш)	()	
11570.000 11570.000 17355.000	42.12	7.19	49.31 59.91	74.00 68.20	-24.69 -8.29	155 152	5	Average Peak Peak	11570.000 11570.000	42.81	7.19	38.65 50.00	54.00 74.00	-24.00	151	86 86	Average Peak
1,333,000		F. S. S. C.				55.5			17355.000	42.34	12.35	54.69	68.20	-13.51	153	24	Peak
					_			5825	MHz								
			Hori	izonta	l							Vei	rtical				
Freq. R	eading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5612.520	65.88	-4.80	61.08	68.20	-7.12	106	150	Peak	5612.160	65.55	-4.78	60.77	68.20	-7.43	124	46	Peak
5664.360 5713.680	66.44 65.55	-5.04 -5.29	61.40 60.26	78.86 109.03	-17.46 -48.77	106 106	150 150	Peak Peak	5677.680 5717.280	66.24 66.49	-5.14 -5.29	61.10 61.20	88.72 110.04	-27.62	124	46 46	Peak Peak
5725.000	64.62	-5.27	59.35	122.20	-62.85	106	150	Peak	5725.000	64.69	-5.29	59.42	122.20	-62.78	124 124	46	Peak
5825.000	114.13	-5.14	108.99			106	150	Peak	5825.000	109.16	-5.14	104.02			124	46	Peak
5850.000 5858.040	71.18 68.92	-5.11 -5.06	66.07 63.86	122.20 109.95	-56.13 -46.09	106 106	150 150	Peak Peak	5850.000 5855.880	68.17 67.56	-5.11 -5.07	63.06 62.49	122.20 110.55	-59.14 -48.06	124 124	46 46	Peak Peak
5875.320 5960.280	66.89 66.92	-4.95 -4.22	61.94 62.70	104.96	-43.02 -5.50	106 106	150 150	Peak Peak	5875.320 5963.160	66.30	-4.95 -4.20	61.35 61.80	104.96	-43.61 -6.40	124 124	46 46	Peak Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	e Remark	Freq	. Reading	g Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MH			dBuV/m	dBuV/m			(°)	
11650.000	32.95 41.65	7.20	40.15		-13.85	156 156	200		11650.00 11650.00			38.75 50.30	54.00 74.00			193 193	Average Peak
11650.000 17475.000	41.65	7.20 11.89	48.85 54.70	74.00 68.20		156 153	200 1	Peak Peak	17475.00			54.02	68.20				Peak

No.: RXZ231115070RF03

Level = Reading + Factor.

Margin = Level-Limit.

 $Factor = Antenna \; Factor + Cable \; Loss - Amplifier \; Gain.$

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) Page 52 of 133

802.11ac VHT20 Mode:

								5745	MHz								
			Hori	zontal								Ver	rtical				
Freq. f	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
5612.880	67.13	-4.80	62.33	68.20	-5.87	105	153	Peak	FC12 1C0	65 53	4 70	60.75	60.00	7.45	443	70	DI-
5699.280	68.81	-5.31	63.50	68.20 104.67	-5.87	105	153	Peak	5612.160 5699.280	65.53 66.47	-4.78 -5.31	60.75 61.16	68.20 104.67	-7.45 -43.51	113 113	39 39	Peak Peak
5720.160	74.63	-5.28	69.35	111.17	-41.82	105	153	Peak	5717.280	68.42	-5.29	63.13	110.04	-46.91	113		Peak
5725.000	78.23	-5.27	72.96	122.20	-49.24	105	153	Peak	5725.000	73.50	-5.27	68.23	122.20	-53.97	113	39	Peak
5745.000	113.38	-5.24	108.14	122 20	62.42	105	153	Peak	5745.000	107.53	-5.24	102.29	122 20	62.40	113	39	Peak
5850.000 5859.840	64.89 66.18	-5.11 -5.05	59.78 61.13	122.20 109.44	-62.42 -48.31	105 105	153 153	Peak Peak	5850.000 5863.800	64.83 66.25	-5.11 -5.02	59.72 61.23	122.20 108.33	-62.48 -47.10	113 113	39 39	Peak Peak
5919.240	66.04	-4.58	61.46	72.45	-10.99	105	153	Peak	5900.160	66.26	-4.77	61.49	86.54	-25.05	113		Peak
5966.760	66.37	-4.18	62.19	68.20	-6.01	105	153	Peak	5943.000	65.94	-4.35	61.59	68.20	-6.61	113	39	Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11490.000	30.88	7.23	38.11	54.00	-15.89	154	1	Average	11490.000	30.38	7.23	37.61	54.00	-16.39	157	143	Averag
11490.000	40.75	7.23	47.98	74.00			1		11490.000	40.93		48.16	74.00			143	Peak
17235.000	44.29	11.80	56.09	68.20	-12.11	152	353	Peak	17235.000	41.76	11.80	53.56	68.20	-14.64	152	72	Peak
								5785	MHz								
			Hori	izontal	l							Ver	rtical				
F=0.0	Pooding	Factor	Lovel	Limit	Manain	Uoiah+	Dognoo	Pomonle	Freq (Reading	Factor	Level	Limit	Margin I	Height	Degree	Remark
Freq.	Reading ————————————————————————————————————	dB/m	Level dBuV/m	Limit ———————————————————————————————————	Margin dB	(cm)	(°)	memark	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
1112	abav	ub/ III	abav/iii	abav/ iii		(Сш)	()										
5629.440	65.92	-4.85	61.07	68.20	-7.13	107	197	Peak	5611.080 5669.040	66.24 66.03	-4.78 -5.06	61.46 60.97	68.20 82.33	-6.74 -21.36	101 101		Peak Peak
5653.200 5708.640	65.73 66.22	-4.95 -5.29	60.78 60.93	70.58 107.62	-9.80 -46.69	107 107	197 197	Peak Peak	5718.000	66.56	-5.28	61.28	110.24	-48.96	101		Peak
5725.000	64.29	-5.27	59.02	122.20	-63.18	107	197	Peak	5725.000	64.21	-5.27	58.94	122.20	-63.26	101	48	Peak
5785.000	113.24	-5.18	108.06			107	197	Peak	5785.000	108.94	-5.18	103.76			101	48	Peak
5850.000	64.80 66.12	-5.11 -4.98	59.69 61.14	122.20 106.82	-62.51 -45.68	107 107	197 197	Peak Peak	5850.000 5859.120	64.22 66.53	-5.11 -5.06	59.11 61.47	122.20 109.64	-63.09 -48.17	101 101	48 48	Peak Peak
5869.200 5883.600	66.83	-4.98	61.14	98.81	-36.86	107	197	Peak	5925.000	65.81	-4.52	61.29	68.20	-6.91	101		Peak
5962.080	66.92	-4.21	62.71	68.20	-5.49	107	197	Peak	5959.200	66.91	-4.23	62.68	68.20	-5.52	101		Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11570 000	31.45	7 19	20 64	54.00	-15 26	156	257	Auconomo	11570.000	30.34	7.19	37.53	54.00	-16.47	155	75	Average
11570.000		7.19	38.64 49.19	74.00	-15.36 -24.81	156 156	357 357	Average Peak	11570.000	42.37	7.19	49.56	74.00		155	75	Peak
17355.000			56.27	68.20	-11.93	154	66	Peak	17355.000	41.12	12.35	53.47	68.20	-14.73	159	322	Peak
								5825	5 MHz								
			Hori	zontal	l							Ver	rtical				
									Face	Reading	Fastan	Level	Limit	Margin	Uod abt	Dognoo	Pomonic
Freq. MHz	Reading 	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin	(cm)	(°)	nemark	MHz	dBuV	dB/m	dBuV/m	dBuV/m		(cm)	(°)	
						. ,											D
5622.600	66.19	-4.83	61.36	00.20	-6.84	140	194		5640.960 5699.280	65.95 65.90	-4.89 -5.31	61.06 60.59	68.20 104.67	-7.14 -44.08	150 150		Peak Peak
5696.040 5706.120	66.07 65.40	-5.29 -5.30	60.78 60.10		-41.50 -46.82	146 146	194 194	Peak Peak	5705.400	66.21	-5.30	60.91		-44.00	150		Peak
5725.000	64.16	-5.27	58.89		-63.31	146	194	Peak	5725.000	64.91	-5.27	59.64	122.20	-62.56	150	45	Peak
5825.000	112.55	-5.14	107.41			146	194	Peak	5825.000	108.73	-5.14	103.59	422.25	FO 05	150		Peak
5850.000	71.58	-5.11	66.47		-55.73	146	194	Peak	5850.000 5854.800	68.25 66.90	-5.11 -5.08	63.14 61.82		-59.06 -49.44	150 150		Peak Peak
5855.880 5915.640	68.58 66.60	-5.07 -4.62	63.51 61.98	110.55 75.10	-47.04 -13.12	146 146	194 194	Peak Peak	5897.280	65.95	-4.79	61.16		-27.51	150		Peak
5969.280	65.89	-4.62 -4.16	61.73	68.20	-6.47	146	194	Peak	5962.800	67.11	-4.20	62.91	68.20	-5.29	150		Peak
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	e Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)	
11650.000	32.46	7.20	39.66	54.00	-14.34	155	6	Average	11650.000	31.44	7.20	38.64	54.00	-15.36	152	80	Averag
11650.000	42.28	7.20	49.48	74.00		155	6	Peak	11650.000	43.10	7.20	50.30	74.00	-23.70	152	80	Peak
17475.000		11.89	56.17		-12.03	153		Peak	17475.000	42.64	11.89	54.53	68.20	-13.67	155	a	Peak

Level = Reading + Factor.

Margin = Level-Limit.

802.11ac VHT40 Mode:

								5755	MHz									
			Hori	zonta	l			Vertical										
Freq. F	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq. F	leading	Factor	Level	Limit	Margin	Height	Degree	Remark	
MHz	dBuV -	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		
6621.880	66.19	-4.82	61.37	68.20	-6.83	100	198	Peak	5637.000	66.25	-4.87	61.38	68.20	-6.82	127	48	Peak	
698.920	71.71	-5.30	66.41	104.40	-37.99	100	198	Peak	5698.920	68.60	-5.30	63.30	104.40	-41.10	127	48	Peak	
718.000	81.50	-5.28	76.22	110.24	-34.02	100	198	Peak	5714.400	76.24	-5.29	70.95	109.23	-38.28	127	48	Peak	
725.000	80.07	-5.27	74.80	122.20	-47.40	100	198	Peak	5725.000	73.92	-5.27	68.65	122.20	-53.55	127	48	Peak	
	111.43	-5.23	106.20			100	198	Peak	5755.000	106.68	-5.23	101.45			127	48	Peak	
850.000	66.25	-5.11	61.14	122.20	-61.06	100	198	Peak	5850.000	65.75	-5.11	60.64	122.20	-61.56	127	48	Peak	
857.680	67.62	-5.06	62.56	110.05	-47.49	100	198	Peak	5868.840	66.32	-4.98	61.34	106.92	-45.58	127	48	Peak	
922.120	66.32	-4.55	61.77	70.32	-8.55	100	198	Peak	5919.960	66.14	-4.57	61.57	71.92	-10.35	127	48	Peak	
947.320	67.41	-4.31	63.10	68.20	-5.10	100	198	Peak	5946.240	66.94	-4.31	62.63	68.20	-5.57	127	48	Peak	
Freq.	Reading	Factor	Level	Limit	Margir	Heigh	t Degre	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dE	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		
11510.000	30.86	7,22	38.08	54.00	-15.92	157	6	Average	11510.000	30.09	7.22	37.31	54.00	-16.69	155	87	Average	
	42.02	7.22	49.24	74.00			6		11510.000	42.13	7.22	49.35	74.00	-24.65	155		Peak	
11510.000 17265.000		11.88	54.71	68.20			330	Peak	17265.000 MHz		11.88	53.39	68.20	-14.81	158	242	Peak	
			54.71		-13.49			Peak	17265.000		11.88	50.2 900 90 200	etical	-14.81	158		Peak	
17265.000	42.83	11.88	Hori	68.20 izonta	-13.49]	152	330	5795	17265.000 MHz	41.51	C X 307 5/9/190	Vei	tical	113061130000	10.0014000	242	0000000	
17265.000	42.83		54.71	68.20	-13.49	152	330	5795	17265.000 MHz Freq. R	41.51	Factor	Ver	rtical	Margin	Height	242 Degree	0000000	
17265.000	42.83	11.88	Hori	68.20 izonta	-13.49]	152	330	5795	17265.000 MHz	41.51	C X 307 5/9/190	Vei	tical	113061130000	10.0014000	242	0000000	
Freq.	42.83	11.88	Hori	68.20 Zonta	-13.49	152	Degree	5795	17265.000 MHz Freq. R MHz 5641.680	eading dBuV	Factor dB/m -4.89	Ver	Limit dBuV/m 68.20	Margin dB -7.21	Height (cm)	Degree (°) 46	Remark —	
Freq. MHz	42.83 Reading dBuV 65.58 66.37	Factor dB/m -4.83 -5.30	Hori Level dBuV/m 60.75 61.07	Zonta Limit dBuV/m	-13.49 Margin dB -7.45 -42.54	Height (cm)	Degree (°)	5795	MHz Freq. R MHz 5641.680 5685.240	eading dBuV 65.88 66.70	Factor dB/m -4.89 -5.19	Ver	Limit dBuV/m 68.20 94.31	Margin dB -7.21 -32.80	Height (cm)	Degree (°) 46 46	Remark ————————————————————————————————————	
Freq. MHz 6622.960 6697.840 6719.080	Reading dBuV 65.58 66.37 68.54	Factor dB/m -4.83 -5.30 -5.28	Hori Level dBuV/m 60.75 61.07 63.26	Ezonta Limit dBuV/m 68.20 103.61 110.54	-13.49 Margin dB -7.45 -42.54 -47.28	152 Height (cm)	Degree (°)	5795 Remark Peak	Freq. R MHz Freq. R MHz 5641.680 5685.240 5719.080	eading dBuV 65.88 66.70 66.40	Factor dB/m -4.89 -5.19 -5.28	Ver Level dBuV/m 60.99 61.51 61.12	Limit dBuV/m 68.20 94.31 110.54	Margin dB -7.21 -32.80 -49.42	Height (cm) 127 127 127	Degree (°) 46 46 46	Remark Peak Peak Peak	
Freq. MHz 6622.960 6697.840 6719.080 6725.000	Reading dBuV 65.58 66.37 68.54 67.71	Factor dB/m -4.83 -5.30 -5.28 -5.27	Hori Level 60.75 61.07 63.26 62.44	68.20 Limit dBuV/m 68.20 103.61	-13.49 Margin dB -7.45 -42.54	Height (cm) 100 100 100 100	Degree (°) 172 172 172 172	5795 Remark Peak Peak Peak Peak Peak	MHz Freq. R MHz 5641.680 5685.240 5719.080 5725.000	eading dBuV 65.88 66.70 66.40 65.43	Factor dB/m -4.89 -5.19 -5.28 -5.27	Ver Level dBuV/m 60.99 61.51 61.12 60.16	Limit dBuV/m 68.20 94.31 110.54	Margin dB -7.21 -32.80	Height (cm) 127 127 127 127	Degree (°) 46 46 46 46	Remark Peak Peak Peak Peak	
Freq. MHz 6622.960 6697.840 6719.080 6725.000	42.83 Reading dBuV 65.58 66.37 68.54 67.71 111.13	Factor dB/m -4.83 -5.30 -5.27 -5.27	Hori Level 60.75 61.07 63.26 62.44 105.96	68.20 Limit dBuV/m 68.20 103.61 110.54 122.20	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76	Height (cm) 100 100 100 100 100	Degree (°) 172 172 172	5795 Remark Peak Peak Peak Peak	17265.000 MHz Freq. R MHz 5641.680 5685.240 5719.080 5795.000 5795.000	eading dBuV 65.88 66.70 65.43 107.29	Factor dB/m -4.89 -5.19 -5.28 -5.27 -5.17	Ver Level dBuV/m 60.99 61.51 61.12 60.16 60.16 102.12	tical Limit dBuV/m 68.20 94.31 110.54 122.20	Margin -7.21 -32.80 -49.42 -62.04	Height (cm) 127 127 127 127 127	Degree (°) 46 46 46 46 46	Remark Peak Peak Peak Peak Peak	
Freq. 	42.83 Reading dBuV 65.58 66.37 68.54 67.71 111.13 68.36	11.88 Factor dB/m -4.83 -5.30 -5.28 -5.27 -5.17	Hori Level dBuV/m 60.75 61.07 63.26 62.44 105.96 63.25	68.20 Limit dBuV/m 68.20 103.61 110.54 122.20	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76	Height (cm) 100 100 100 100 100 100	Degree (°) 172 172 172 172 172 172	Peak Remark Peak Peak Peak Peak Peak Peak Peak	Freq. R MHz 5641.689 5685.249 5719.080 5725.000 5795.000 5850.000	eading dBuV 65.88 66.70 66.40 65.43 107.29 65.75	Factor dB/m -4.89 -5.19 -5.28 -5.27 -5.17 -5.11	Ver Level dBuV/m 60.99 61.51 61.12 60.16 102.12 60.64	Limit dBuV/m 68.20 94.31 110.54 122.20	Margin dB -7.21 -32.80 -49.42 -62.04 -61.56	Height (cm) 127 127 127 127 127 127	Degree (°) 46 46 46 46 46 46 46	Remark Peak Peak Peak Peak Peak Peak Peak	
Freq. MHz 5622.960 56971.840 57125.800 5795.000 5858.000 5858.000	Reading dBuV 65.58 66.37 68.54 67.71 111.13 68.36 67.80	Factor -4.83 -5.28 -5.27 -5.17 -5.11 -5.06	Hori Level 60.75 61.07 63.26 62.44 105.96 63.25 62.74	68.20 Limit dBuV/m 68.20 103.61 110.54 122.20 122.20 109.95	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76 -58.95 -47.21	Height (cm) 100 100 100 100 100 100 100	Degree (°) 172 172 172 172 172 172 172	Peak S795 Remark Peak Peak Peak Peak Peak Peak Peak Pe	MHz Freq. R MHz 5641.680 5685.240 5719.080 5725.000 5795.000 5867.760	eading dBuV 65.88 66.70 66.40 65.43 107.29 65.75 66.62	Factor dB/m -4.89 -5.19 -5.28 -5.27 -5.11 -4.99	Ver dBuV/m 60.99 61.51 61.12 60.16 102.12 60.64 61.63	Limit dBuV/m 68.20 94.31 110.54 122.20 122.20 107.23	Margin dB -7.21 -32.80 -49.42 -62.04 -61.56 -45.60	Height (cm) 127 127 127 127 127 127 127 127	Degree (°) 46 46 46 46 46 46 46	Remark Peak Peak Peak Peak Peak Peak Peak	
Freq. MHz 5622.960 5697.840 5719.080 5725.000 5795.000 5858.040 9919.240	dBuV 65.58 66.37 68.54 67.71 111.13 68.36 67.30 67.31	Factor dB/m -4.83 -5.30 -5.28 -5.27 -5.11 -5.06 -4.58	Hori Level dBuV/m 60.75 61.07 63.24 105.96 63.25 62.74 62.73	Ezonta Limit dBuV/m 68.20 103.61 110.54 122.20 122.20 109.95 72.45	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76 -58.95 -47.21 -9.72	Height (cm) 100 100 100 100 100 100 100 100 100	Degree (°) 172 172 172 172 172 172 172 172 172	Peak Remark Peak Peak Peak Peak Peak Peak Peak Pea	17265.000 MHz Freq. R MHz 5641.680 5685.240 5719.080 5725.000 5850.000 5867.760 5508.440	eading dBuV 65.88 66.70 65.43 107.29 65.75 66.62 66.62 66.18	Factor dB/m -4.89 -5.19 -5.27 -5.17 -5.17 -4.68	Ver Level 60.99 61.51 60.16 102.12 60.64 61.63 61.50	Himit dBuV/m 68.20 94.31 110.54 122.20 127.23 80.42	Margin dB -7.21 -32.80 -49.42 -62.04 -61.56 -45.60 -18.92	Height (cm) 127 127 127 127 127 127 127 127	Degree (°) 46 46 46 46 46 46 46 46	Remark Peak Peak Peak Peak Peak Peak Peak	
Freq. MHz 5622.960 5697.840 5719.080 5719.080 5725.000 5858.000 5858.004 5858.049	Reading dBuV 65.58 66.37 68.54 67.71 111.13 68.36 67.80	Factor -4.83 -5.28 -5.27 -5.17 -5.11 -5.06	Hori Level 60.75 61.07 63.26 62.44 105.96 63.25 62.74	68.20 Limit dBuV/m 68.20 103.61 110.54 122.20 122.20 109.95	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76 -58.95 -47.21	Height (cm) 100 100 100 100 100 100 100	Degree (°) 172 172 172 172 172 172 172 172 172	Peak S795 Remark Peak Peak Peak Peak Peak Peak Peak Pe	MHz Freq. R MHz 5641.680 5685.240 5719.080 5725.000 5795.000 5867.760	eading dBuV 65.88 66.70 66.40 65.43 107.29 65.75 66.62	Factor dB/m -4.89 -5.19 -5.28 -5.27 -5.11 -4.99	Ver dBuV/m 60.99 61.51 61.12 60.16 102.12 60.64 61.63	Limit dBuV/m 68.20 94.31 110.54 122.20 122.20 107.23	Margin dB -7.21 -32.80 -49.42 -62.04 -61.56 -45.60	Height (cm) 127 127 127 127 127 127 127 127	Degree (°) 46 46 46 46 46 46 46	Remark Peak Peak Peak Peak Peak Peak Peak	
Freq. MHz 566225,000 5697,840 5719,080 5719,000 8550,000 8850,000 8850,000 8850,000 8850,000 8850,000 8850,000	dBuV 65.58 66.37 68.54 67.71 111.13 68.36 67.30 67.31	Factor dB/m -4.83 -5.28 -5.27 -5.17 -5.11 -5.04 -4.58 -4.17	Hori Level dBuV/m 60.75 61.07 63.24 105.96 63.25 62.74 62.73	Ezonta Limit dBuV/m 68.20 103.61 110.54 122.20 122.20 109.95 72.45	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76 -58.97 -49.72 -6.08	Height (cm) 100 100 100 100 100 100 100 100 100	Degree (°) 172 172 172 172 172 172 172 172 172 172	Peak Remark Peak Peak Peak Peak Peak Peak Peak Pea	Freq. R MHz 5641.680 5685.240 5719.080 5725.000 5850.000 5867.760 5908.440 5952.360	eading dBuV 65.88 66.70 65.43 107.29 65.75 66.62 66.62 66.18	Factor dB/m -4.89 -5.19 -5.28 -5.27 -5.17 -5.11 -4.99 -4.68 -4.27	Ver Level 60.99 61.51 60.16 102.12 60.64 61.63 61.50	Himit dBuV/m 68.20 94.31 110.54 122.20 127.23 80.42	Margin -7.21 -32.80 -49.42 -62.04 -61.56 -45.60 -18.92 -5.85	Height (cm) 127 127 127 127 127 127 127 127 127	Degree (°) 46 46 46 46 46 46 46 46 46 46	Remark Peak Peak Peak Peak Peak Peak Peak Pea	
Freq. MHz 566225,000 5697,840 5719,080 5719,000 8550,000 8850,000 8850,000 8850,000 8850,000 8850,000 8850,000	Reading dBuV 65.58 66.37 68.54 67.71 111.13 68.36 67.31 66.29 Reading	Factor dB/m -4.83 -5.28 -5.27 -5.17 -5.11 -5.04 -4.58 -4.17	Hori Level 60.75 61.07 63.26 62.44 62.73 62.12	68.20 Limit dBuV/m 68.20 110.54 122.20 122.20 199.95 72.45 68.20	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76 -58.95 -47.21 -9.72 -6.08 Margin	Height (cm) 100 100 100 100 100 100 100 100 Heigh	Degree (°) 172 172 172 172 172 172 172 172 172 172	Remark Peak Peak Peak Peak Peak Peak Peak Pea	Freq. R MHz 5641.680 5685.240 5719.080 5725.000 5850.000 5867.760 5908.440 5952.360	eading dBuV 65.88 66.70 66.40 65.43 107.29 65.75 66.62 66.62	Factor -4.89 -5.19 -5.28 -5.27 -5.17 -5.11 -4.99 -4.68 -4.27	Ver Level 60.99 61.51 61.12 60.16 60.16 102.12 60.64 61.63 61.50 62.35	Himit dBuV/m 68.20 94.31 110.54 122.20 122.20 1107.23 80.42 68.20	Margin -7.21 -32.80 -49.42 -62.04 -61.56 -45.60 -18.92 -5.85	Height (cm) 127 127 127 127 127 127 127 127 127	Degree (°) 46 46 46 46 46 46 46 46 46 46	Remark Peak Peak Peak Peak Peak Peak Peak Pea	
Freq. MHz S622.960 S697.840 S719.080 S725.000 S850.000 S850.000 S850.000 S850.000 S650.000 S650.000 Freq. Fr	Reading dBuV 65.58 66.37 68.54 67.71 111.13 68.36 67.31 66.29 Reading dBuV	Factor -4.83 -5.28 -5.27 -5.17 -5.16 -4.58 -4.17 Factor	Hori Level dBuV/m 60.75 61.07 63.26 62.44 105.96 63.25 62.73 62.12 Level	68.20 Limit dBuV/m 68.20 110.54 122.20 122.20 129.95 72.45 68.20 Limit	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76 -58.95 -47.21 -9.72 -6.08 Margin	Height (cm) 100 100 100 100 100 100 100 100 100 10	Degree (°) 172 172 172 172 172 172 172 172 172	Peak S795 Remark Peak Peak Peak Peak Peak Peak Peak Pe	Freq. R MHz 5641.680 5685.240 5719.080 5795.000 5850.000 5850.000 5867.760 5908.440 5952.360 Freq.	eading dBuV 65.79 66.40 65.43 107.29 65.75 66.62 Reading dBuV 30.39	Factor dB/m -4.89 -5.19 -5.28 -5.27 -5.11 -4.99 -4.68 -4.27 Factor dB/m 7.18	Ver Level dBuV/m 60.99 61.51 61.12 60.16 102.12 60.64 61.63 61.50 62.35 Level	tical Limit dBuV/m 68.20 94.31 110.54 122.20 127.23 80.42 68.20 Limit	Margin -7.21 -32.80 -49.42 -62.04 -61.56 -45.60 -18.92 -5.85 Margin dB -16.43	Height (cm) 127 127 127 127 127 127 127 127 127 127	Degree (°) 46 46 46 46 46 46 46 46 46 46 46	Remark Peak Peak Peak Peak Peak Peak Peak Pea	
Freq. MHz 5622.960 6697.840 67719.080 6795.000 858.000 858.000 858.58.040 Freq. MHz	42.83 Reading dBuV 65.58 66.37 68.54 67.71 111.13 68.36 67.80 67.31 66.29 Reading dBuV	Factor dB/m -4.83 -5.30 -5.28 -5.27 -5.17 -5.17 -5.17 -5.4.58 -4.17 Factor dB/m	Hori Level dBuV/m 60.75 61.07 63.26 62.44 105.96 63.25 62.74 62.73 62.12 Level	68.20 Limit dBuV/m 68.20 110.54 122.20 122.20 129.95 72.45 68.20 Limit dBuV/m	-13.49 Margin dB -7.45 -42.54 -47.28 -59.76 -58.95 -47.21 -9.72 -6.08 Margin dE	Height (cm) 100 100 100 100 100 100 100 100 100 10	Degree (°) 172 172 172 172 172 172 172 172 172 172	Peak S795 Remark Peak Peak Peak Peak Peak Peak Peak Pe	Freq. R MHz 5641.680 5685.240 5719.080 5725.000 5857.760 5908.440 5952.360 Freq. MHz	dBuV 65.88 66.70 65.49 65.43 107.29 65.73 66.62 66.62 Reading dBuV	Factor dB/m -4.89 -5.19 -5.27 -5.17 -5.17 -4.99 -4.68 -4.27 Factor dB/m 7.18	Ver Level 60.99 61.51 61.12 60.16 102.12 60.64 61.63 61.50 62.35 Level	Limit dBuV/m 68.20 94.31 110.54 122.20 122.20 107.23 80.42 68.20 Limit dBuV/m	Margin dB -7.21 -32.80 -49.42 -62.04 -61.56 -45.60 -18.92 -5.85 Margin dB -16.43	Height (cm) 127 127 127 127 127 127 127 127 127 127	Degree (°) 46 46 46 46 46 46 46 46 (°)	Remark Peak Peak Peak Peak Peak Peak Peak	

802.11ac VHT80 Mode:

								5775	MHz										
			Hori	zontal					Vertical										
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	Remark	Freq.	Reading	Factor	Level	Limit	Margin H	Height	Degree	Remark		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)			
5640.240	68.08	-4.89	63.19	68.20	-5.01	104	171	Peak	5629.080	67.75	-4.84	62.91	68.20	-5.29	112		Peak		
5688.840	76.43	-5.22	71.21	96.97	-25.76	104	171	Peak	5699.280	73.09	-5.31	67.78	104.67	-36.89	112		Peak		
5705.040	78.63	-5.30	73.33	106.61	-33.28	104	171	Peak	5718.000	75.19	-5.28	69.91		-40.33	112	50	Peak		
5725.000	77.61	-5.27	72.34	122.20	-49.86	104	171	Peak	5725.000	74.52	-5.27	69.25	122.20	-52.95	112	50	Peak		
5775.000	108.24	-5.20	103.04			104	171	Peak	5775.000	104.06	-5.20	98.86			112		Peak		
5850.000	75.01	-5.11	69.90	122.20	-52.30	104	171	Peak	5850.000	71.12	-5.11	66.01		-56.19	112	50	Peak		
5860.920	75.02	-5.04	69.98	109.14	-39.16	104	171	Peak	5860.560	70.48	-5.05	65.43		-43.81	112	50	Peak		
5875.680	69.00	-4.94	64.06	104.69	-40.63	104	171	Peak	5894.040	66.62	-4.82	61.80		-29.27	112	50	Peak		
5952.000	66.79	-4.28	62.51	68.20	-5.69	104	171	Peak	5926.080	66.25	-4.51	61.74	68.20	-6.46	112	50	Peak		
Freq.	Reading	Factor	Level	Limit	Margin	Height	Degree	e Remark	Freq.	Reading	Factor	Level	Limit	Margin	Height	Degre	e Remar		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	(cm)	(°)			
						. ,	. ,		11550.000	31.76	7.21	38.97	54.00	-15.03	151	92	Avera		
11550.000	31.81	7.21	39.02	54.00	-14.98	154	211	Average	11550.000			48.77	74.00			92			
11550.000	41.47	7.21	48.68	74.00	-25.32	154	211	Peak	17325.000			53.01	68.20				Peak		
17325.000	42.54	12.13	54.67	68.20	-13.53	152	3	Peak	1,323.000	₩.00	12.13	33.01	50.20	15.15	133	20	, cak		

Level = Reading + Factor.

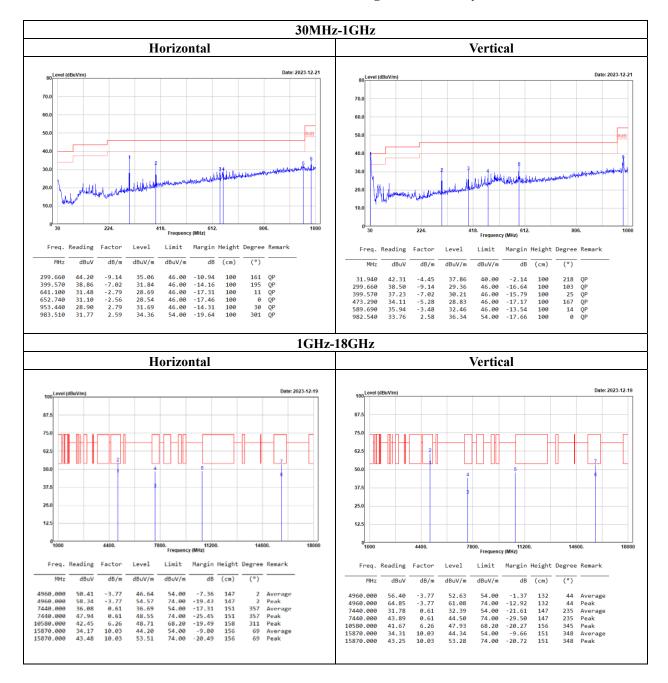
Margin = Level-Limit.

 $Factor = Antenna \; Factor + Cable \; Loss - Amplifier \; Gain.$

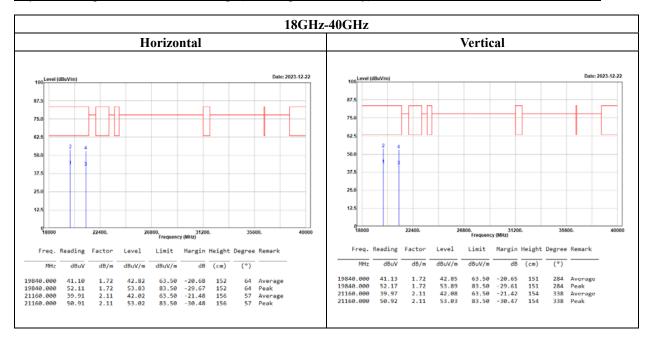
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Transmitting simultaneously test:

The worst case of WIFI 5GHz and BT mode transmitting simultaneously:



No.: RXZ231115070RF03



Level = Reading + Factor.

Margin = Level - Limit.

10 RSS-247 §6.2.1.2 – 26dB Attenuated Below The Channel Power

No.: RXZ231115070RF03

10.1 Applicable Standard

RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

10.2 Test Procedure

- 1. Set RBW = $1\%\sim5\%$ of the emission bandwidth.
- 2. Set the VBW > RBW.
- 3. Detector = RMS.
- 4. Trace mode = max hold
- 5. Measure the emission attenuated below the channel power

10.3 Test Results

The requirement is for 5150-5250 MHz band. The channel power please refer to the power test result in section 12.3.

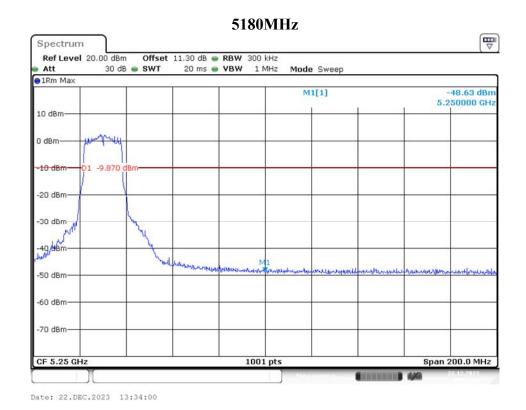
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Transmitting Mode:

IEEE 802.11a Mode / 5150 ~ 5250MHz

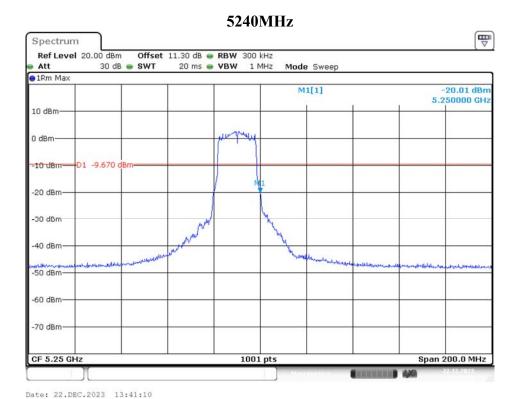
Date: 22.DEC.2023 13:37:26



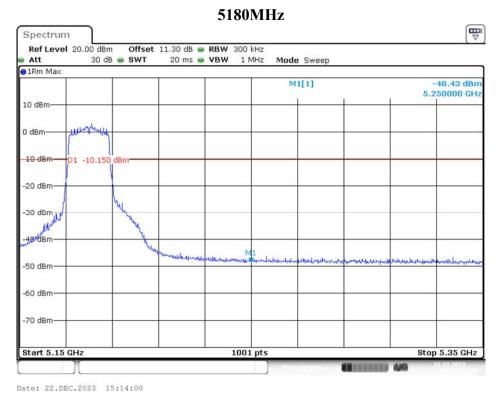
No.: RXZ231115070RF03

5200MHz Spectrum Ref Level 20.00 dBm Offset 11.30 dB @ RBW 300 kHz Att 30 dB 🌞 SWT 20 ms 🌞 **VBW** Mode Sweep ●1Rm Max M1[1] 47.26 dBn 5.250000 GHz 10 dBm 0 dBm -10 dBm D1 -9.760 -20 dBm -30 dBm 40 dBm -50 dBm -60 dBm -70 dBm CF 5.25 GHz Span 200.0 MHz 1001 pts

No.: RXZ231115070RF03

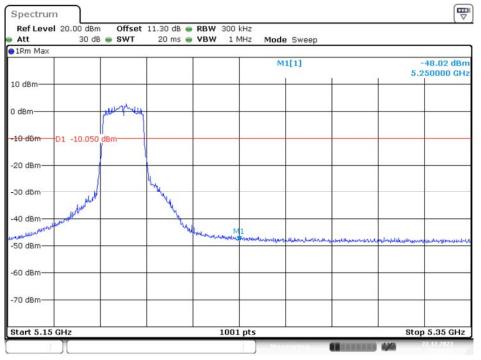


IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz



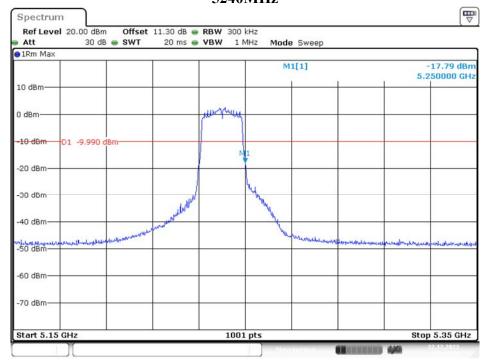
No.: RXZ231115070RF03

5200MHz



Date: 22.DEC.2023 15:15:50

5240MHz



Date: 22.DEC.2023 15:17:29