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FCC Test Report

Applicant SprintRay Inc

2710 Media Center Dr, Suite 100A, Los Angeles, CA, 90065-1700, United States Address

Product Name Pro 2

: Apr. 12, 2024 **Report Date**



ce Laboratory Limited









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TEST REPORT

SprintRay Inc Applicant

Zhejiang Xunshi Technology Co., Ltd Manufacturer

Product Name

Test Model No. SRP2405A

Reference Model No.

Date of Receipt:

Trade Mark **X** SprintRay

Input: 100-240V~, 50/60Hz, 400W Rating(s)

47 CFR Part 15E

ANSI C63.10-2020 Test Standard(s)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

Mar. 08, 2024

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with above listed standard(s) requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Anbotek			Anbe		
Date of Test:	Anbore All	ek Anboter M	/lar. 08, 2024 to	Apr. 09, 2024	por Air.
potek Anbotek			Ella	Liang	
Prepared By:	otek Anbotek	Anbo otek Anb	otek Anbore	tek An abotek	Anborek
			inbokek (Ella L	iang)	
			Inwar	d pan	
Approved & Author	orized Signer:	otek And	botek	ANYON	Vi.,
			(Edward	d Pan) Anbore	



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Revision History

	Report Version	Description	Issued Date
	Anbore R00 potek Ant	Original Issue.	Apr. 12, 2024
9,	Anbotek Anbotek	Anbotek Anbotek Anbotek	K Anbotek Anbotek Anb
10	or All Anbotek Anbotek	Anbotek Anbotek Anbot	otek Anbotek Anbotek





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1. General Information

1.1. Client Information

Applicant	: SprintRay Inc	NO46
Address	2710 Media Center Dr, Suite 100A, Los Angeles, CA, 90065-1700, United States	i Ank
Manufacturer	: Zhejiang Xunshi Technology Co., Ltd	
Address	 4 / F, building 2, Qihang building, science and Technology Park, 586 Xihuan Road, Kebei Economic Development Zone, Keqiao District, Shaoxing City, China 	ek
Factory	: Zhejiang Xunshi Technology Co., Ltd	
Address	4 / F, building 2, Qihang building, science and Technology Park, 586 : Xihuan Road, Kebei Economic Development Zone, Keqiao District, Shaoxing City, China	Aup,

1.2. Description of Device (EUT)

Those All.		noter And have noted And have noted
Product Name	:	Pro 2 Anborek Anborek Anborek Anborek
Test Model No.	:	SRP2405A
Reference Model No.	:	N/A Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbo
Trade Mark	:	SprintRay orek Anborek Anborek Anborek Anborek Anborek Anborek
Test Power Supply	:	AC 120V/60Hz
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
RF Specification		
Operation Frequency	:	802.11a/n(HT20)/ac(VHT20)/ax(HEW20): U-NII Band 1: 5180MHz to 5240MHz; U-NII Band 2A: 5260MHz to 5320MHz; U-NII Band 2C: 5500MHz to 5700MHz; U-NII Band 3: 5745MHz to 5825MHz; 802.11n(HT40)/ac(VHT40)/ax(HEW40): U-NII Band 1: 5190MHz to 5230MHz; U-NII Band 2A: 5270MHz to 5310MHz; U-NII Band 2C: 5510MHz to 5670MHz; U-NII Band 3: 5755MHz to 5795MHz; 802.11ac(VHT80)/ax(HEW80): U-NII Band 1: 5210MHz; U-NII Band 2A: 5290MHz; U-NII Band 2A: 5290MHz; U-NII Band 3: 5775MHz







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,0,0		de von de
Number of Channel	·	802.11a/n(HT20)/ac(VHT20)/ax(HEW20): U-NII Band 1: 4; U-NII Band 2C: 11; U-NII Band 3: 5; 802.11n(HT40)/ac(VHT40)/ax(HEW40): U-NII Band 1: 2; U-NII Band 2A: 2; U-NII Band 2C: 5; U-NII Band 3: 2; 802.11ac(VHT80)/ax(HEW80): U-NII Band 1: 1; U-NII Band 2A: 1; U-NII Band 2A: 1; U-NII Band 2C: 2; U-NII Band 3: 1
Modulation Type	:	802.11a: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Antenna Type	:	PCB Antenna Antonia An
Antenna Gain(Peak)	:	U-NII Band 1 ANT1 & ANT2: 1.89dBi; U-NII Band 2A ANT1 & ANT2: 2.00dBi; U-NII Band 2C ANT1 & ANT2: 2.06dBi; U-NII Band 3 ANT1 & ANT2: 1.35dBi;
Directional antenna gain	:	NII Band 1: 4.90dBi; U-NII Band 2A: 5.01dBi; U-NII Band 2C: 5.07dBi; U-NII Band 3: 4.36dBi
Device Type		□ Outdoor AP □ Indoor AP □ Point-to-point AP
		⊠ Client
TPC Function	:	☐ With TPC ⊠ Without TPC
DFS Type	:	Slave without radar detection☐ Slave with radar detection☐ Master
		ation are provided by customer. eatures description, please refer to the manufacturer's specifications or the

3) Only 802.11n(HT20)/ac(VHT20)/ax(HEW20), 802.11n(HT40)/ac(VHT40)/ax(HEW40), 802.11ac(VHT80)/ax(HEW80) support MIMO.







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1.3. Auxiliary Equipment Used During Test

-		- 21		
	Title	Manufacturer	Model No.	Serial No.
	ROG Rapture Quad- band Gaming Router	ASUSTeK Computer Inc	GT-AXE16000 (FCC ID: MSQ-RTAX5D00 IC: 3568A-RTAX5D00)	RAIG5D2020695NL





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1.4. Operation channel list

Operation Band: U-NII Band 1

Bandwidth:	20MHz	Bandwidth:	40MHz	Bandwidth:	80MHz
Channel	Frequency (MHz)	Channel Channel	Frequency (MHz)	Channel	Frequency (MHz)
36,50° 10° 10° 10° 10° 10° 10° 10° 10° 10° 1	5180	Anbotek 38 Anbot	5190	42	5210
botek 40 Anbotek	5200	10 46 An	5230	sk Vpolen	Aups Viek
botek44 Anbr	5220	an Brek	Anbore An	potek / Anboten	And
48	5240	ek Inbotek	Vupor V	shotek / Anbot	Approview

Operation Band: U-NII Band 2A

Bandwidth:	20MHz	Bandwidth:	40MHz	Bandwidth:	80MHz
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	tek 58 mbote	5290
56	5280	62	5310	and and	otek \Aupote
60 Mer	5300	or I hote	K Moores	Aug	hotek / Anbor
64	5320	Auport Am	otek / Aupoter	And	Anbotek/ Anb

Operation Band: U-NII Band 2C

Operation band.	O-IVII Dana 20	VUD.	d. You	O. D.	2,61
Bandwidth:	20MHz	Bandwidth:	40MHz	Bandwidth:	80MHz
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel Mark	Frequency (MHz)
100	5500	102	5510	106	100 5530 Anb
104 nbo	5520	Anbort 110	5550 Anbore	122	5610
inbotek 108 Anbot	5540	118	5590	yek Aupo	Borek
112 And	5560	126	5630	hotek / Anbo	ek Inbotek
116	5580	134 ⁵⁰⁰¹	5670	Anbotek / Anbo	otek / Anbotek
120	5600	upotek / Aupote	ok potek	Aupoten An	po grek / Aupo
124 O	5620	Anbotek / Anbo	rek Andorek	Autopton	And world
botek 128 Moote	5640	Anboisk Ar	port / All Sho	ick Yupoles	And
132 Anb	5660	AnVoick	Yupo,	botek / Anbote	K Wotek
136	5680	tek Anbotek	Anbo / sek	upotek / Aubor	An botek
140	5700	botek / Anbotek	Ando	Anboret An	DOLD Y WILL STORY
	- 07°	The state of the s	00	T	P/1.







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Operation Band: U-NII Band 3

Bandwidth:	20MHz	Bandwidth:	40MHz	Bandwidth:	80MHz
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	botek 151 Anboten	5755	155	5775
153	5765	159 knbo	5795	Aup Viele	Aupo ofely
botek 157 Anbotek	5785	anbotek Ar	port / All	sk Wpotek	Anbo
bote 161 Anbo	5805	anbbiek	Anbore An	potek / Anboten	And
165	5825	ek Inpotek	Vupo, I	botek / Anbote	Androk

1.5. Description of Test Modes

Pretest Modes	Descriptions
Whokek TW1ek Wipok	Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.
Anbotek TM2 Anbotek	Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
Anbotek Anbotek Anbote	Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
Anbotek TM4, nbotek	Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
TM5 Anbotek	Keep the EUT works in normal operating mode and connect to companion device



Hotline

www.anbotek.com.cn

400-003-0500



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1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.8dB
Conducted Output Power	0.76dB
Power Spectral Density	0.76dB
Occupied Bandwidth	925Hz
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
Radiated emissions (Below 30MHz)	3.53dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB

The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.





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1.7. Test Summary

Test Items	Test Modes	Status
Conducted Emission at AC power line	Mode1,2,3,4	Ann Potek
Duty Cycle	Mode1,2,3,4	P
Maximum conducted output power	Mode1,2,3,4	P PART
Power spectral density	Mode1,2,3,4	P
Emission bandwidth and occupied bandwidth	Mode1,2,3,4	Kupo. P
Channel Move Time, Channel Closing Transmission Time	Mode5	Anb P rek
DFS Detection Thresholds	Mode5 Andrew	P
Band edge emissions (Radiated)	Mode1,2,3,4	PART
Band edge emissions (Conducted)	Mode1,2,3,4	P An
Undesirable emission limits (below 1GHz)	Mode1,2,3,4	upore P
Undesirable emission limits (above 1GHz)	Mode1,2,3,4	Anboy P
Note: P: Pass N: N/A not applicable	Anbotek Anbotek	Anborr





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1.8. Description of Test Facility

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

FCC-Registration No.:434132

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 434132.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

1.9. Disclaimer

- The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
- 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- 6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.







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1.10. Test Equipment List

Cond	ucted Emission at A	C power line				
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
. 1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2024-01-18	2025-01-17
2 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2024-01-17	2025-01-16
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	lek / Anbotek	Anborek

Duty Cycle

Maximum conducted output power

Power spectral density

Emission bandwidth and occupied bandwidth

Channel Move Time, Channel Closing Transmission Time

Band edge emissions (Conducted)

DFS Detection Thresholds

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
e* 1	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A	2023-10-16	2024-10-15
2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
Anber	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
4	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-10-12	2024-10-11
o¥ 5	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2024-02-04	2025-02-03



Hotline



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	edge emissions (Ra sirable emission limi		Anbotok	Anborek	Anbore	VII.
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 00	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
2	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2024-01-17	2025-01-16
3	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
nbote 4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Anbotek	Aupolek
5	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
¹ 2	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

Undesirable emission limits (below 1GHz)									
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date			
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22			
_. 2	Pre-amplifier	SONOMA	310N	186860	2024-01-17	2025-01-16			
34	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22			
Anidotel	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11			
5,00	EMI Test Software EZ-EMC	SHURPLE	N/A nbot	N/A door	V Vupo,	Anbotek			



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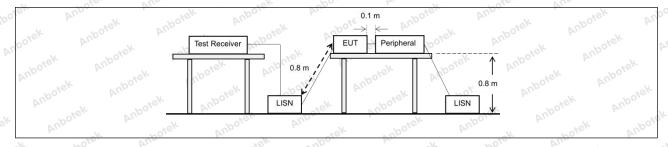
2. Conducted Emission at AC power line

Test Requirement:	47 CFR Part 15.207(a)	ick hotek Aut	otek Ans
Yun Vek Spotek	Frequency of emission (MHz)	Conducted limit (dBµV) hotel Anb
Anbor Ar	tely upoten Aup	Quasi-peak	Average
drbotek Anbo	0.15-0.5	66 to 56*	56 to 46*
Test Limit:	0.5-5	56	46 000000
otek Anbors A	5-30 And And	60 hotek Anbot	50
otek Anbotek	*Decreases with the logarithm of t	he frequency.	Aupo.
Test Method:	ANSI C63.10-2020 section 6.2	And tek sp	otek Anbore

2.1. EUT Operation

Operating Envi	ronment: Anbore Anbore Anbore Anbore
Operating Livi	ioninent.
otek Anbotek	1: 802.11a mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.
Aupotek Vul	2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of
Test mode:	worst case is recorded in the report. 3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only
Anbotek Anbotek	the data of worst case is recorded in the report. 4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

2.2. Test Setup





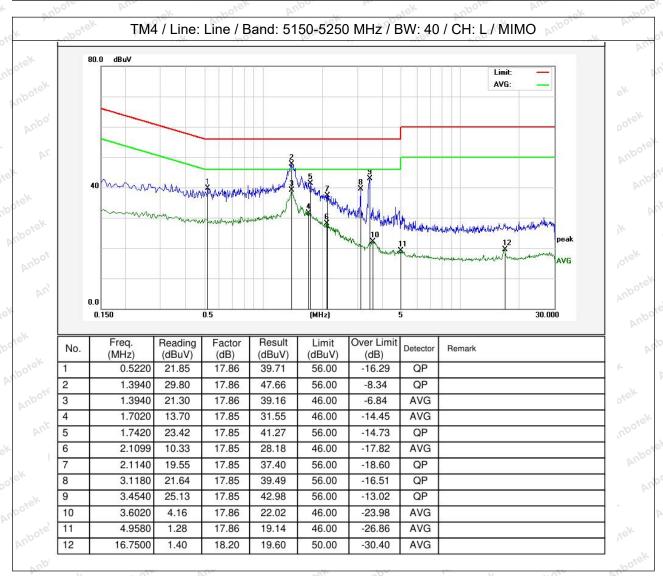
Hotline



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2.3. Test Data

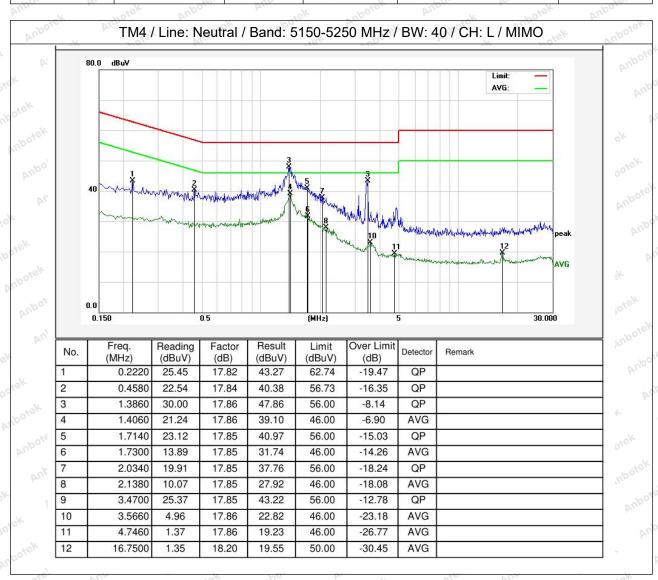
Temperature:	18.4°C	20018	Humidity:	57 %	rel	Atmospheric Pressure: 101 kPa	
icinperature.	10.4	VUL	riumuity.	Jr 70	2000.	Authosphichic i ressure.	





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Temperature: 18.4 °C Humidity: 57 % Atmospheric Pressure: 101 kPa



Note:Only record the worst data 802.11ax(HEW40) in the report.





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3. Duty Cycle

Test Requirement:	All measurements are to be performed with the EUT transmitting at 100% duty cycle at its maximum power control level; however, if 100% duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, T, are required for each tested mode of operation.
Test Limit:	No limits, only for report use.
Test Method:	ANSI C63.10-2020 section 12.2 (b)
Procedure:	 i) Set the center frequency of the instrument to the center frequency of the transmission. ii) Set RBW >= EBW if possible; otherwise, set RBW to the largest available value. iii) Set VBW >= RBW.
otek Anbotek Anb	iv) Set detector = peak. v) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in item a1) of 12.2, and the number of sweep points across duration T exceeds 100.

3.1. EUT Operation

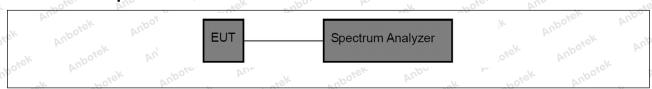
Operating Envi	onment:	k Anboten	AUD	abotek	Aupo,	b.,
tek Anbotek	1: 802.11a mode: I transmitting mode found the data rate recorded in the rep	with 802.11a m @ 6Mbps is t	nodulation type.	All data rate	s has been	tested and

2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

Test mode:

- 3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
- 4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

3.2. Test Setup



3.3. Test Data

Talliary.	Temperature: 24.3 °C	Humidity:	49 % Atmo	ospheric Pressure: 101 kPa	
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Please Refer to Appendix for Details.







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4. Maximum conducted output power

upo, bi	Vipoles Tup, of Polek Supo, by tek Vipoles,
Test Requirement:	47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(2)
Aupole Aus	47 CFR Part 15.407(a)(3)(i)
Anbotek	For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission
	bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
Test Limit:	For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.
	If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB tha
	the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without
	any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems
k Aupotek Aupo	employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
Test Method:	ANSI C63.10-2013, section 12.4
Procedure:	Refer to ANSI C63.10-2020 section 12.4

4.1. EUT Operation

Operating Envi	ronment: Anborek Anborek Anborek Anborek Anborek
ek Anbotek	1: 802.11a mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and
potek Aupo	found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.
Test mode:	2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of
ek Aupore	worst case is recorded in the report. 3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only





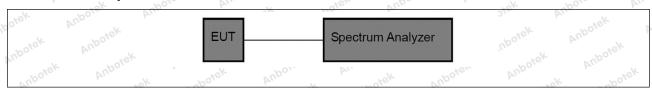


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the data of worst case is recorded in the report.

4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

4.2. Test Setup



4.3. Test Data

Temperatur	e: 24.3 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa	0
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Please Refer to Appendix for Details.





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5. Power spectral density

For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.850 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations. ANSI C63.10-2020, section 12.6	upo. K.	Poles Aug Aug Aug Aug W. W. Poles
density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.850 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations. ANSI C63.10-2020, section 12.6	Test Requirement:	47 CFR Part 15.407(a)(2)
spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.850 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations. ANSI C63.10-2020, section 12.6	nbotek Anbotek Anbotek	density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations. Test Method: ANSI C63.10-2020, section 12.6		spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that
Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations. Test Method: ANSI C63.10-2020, section 12.6	Test Limit: Anborek Anborek Anborek Anborek Anborek Anborek	not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas
sek Jack Wase Will Stek Jack	ek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively
Procedure: Refer to ANSI C63.10-2020, section 12.6	Test Method:	ANSI C63.10-2020, section 12.6
	Procedure:	Refer to ANSI C63.10-2020, section 12.6

5.1. EUT Operation

Operating Envi	ronment: Anborek Anborek Anborek Anborek
Anbotek Anbotek	1: 802.11a mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.
otek Anbotek	2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of
Test mode:	worst case is recorded in the report. 3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and
Aupotek N	data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
Anbo	4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and



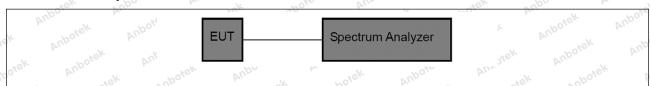




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data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

5.2. Test Setup



5.3. Test Data

Temperature:	24.3 °C	⁷ /pose	Humidity:	49 %	hotek	Atmospheric Pressure	e: 101 kPa
			,	146.0			VA. 1 4 1 11/4-1

Please Refer to Appendix for Details.





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6. Emission bandwidth and occupied bandwidth

Test Requirement:	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use.
Anborek Anbo	U-NII 3, U-NII 4: 47 CFR Part 15.407(e)
Anbotek Anbo	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use.
Test Limit:	U-NII 3, U-NII 4: Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 6.9 & 12.5 KDB 789033 D02, Clause C.2
Protek Vupoter	Emission bandwidth:
	a) Set RBW = approximately 1% of the emission bandwidth.
	b) Set the VBW > RBW.
	c) Detector = peak.
	d) Trace mode = max hold.
	e) Measure the maximum width of the emission that is 26 dB down from the
, otek	peak of the emission.
	Compare this with the RBW setting of the instrument. Readjust RBW and
	repeat measurement
	as needed until the RBW/EBW ratio is approximately 1%.
	Occupied bandwidth:
	a) The instrument center frequency is set to the nominal EUT channel center
	frequency. The
	frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and
	5.0 times the OBW.
	b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to
'up 'k 'poiek	5% of the OBW,
	and VBW shall be approximately three times the RBW, unless otherwise
- Intek nabore	specified by the
Procedure:	applicable requirement.
	c) Set the reference level of the instrument as required, keeping the signal
VI.	from exceeding the
	maximum input mixer level for linear operation. In general, the peak of the
	spectral envelope
	shall be more than [10 log (OBW/RBW)] below the reference level. Specific
	guidance is given
Anbe	in 4.1.5.2.
	d) Step a) through step c) might require iteration to adjust within the
	specified range.
	e) Video averaging is not permitted. Where practical, a sample detection and
	single sweep mode
	shall be used. Otherwise, peak detection and max hold mode (until the trace
	stabilizes) shall be
	used.
	f) Use the 99% power bandwidth function of the instrument (if available) and
	report the measured
	bandwidth.
amboten Ambo	g) If the instrument does not have a 99% power bandwidth function, then the
	trace data points are







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recovered and directly summed in linear power terms. The recovered amplitude data points,

beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached:

that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the

total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is

the difference between these two frequencies.

h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument

display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may

be reported in addition to the plot(s).

6 dB emission bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) ≥ 3 >= RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.1. EUT Operation

Operating Environment:

1: 802.11a mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.

2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

Test mode:

3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

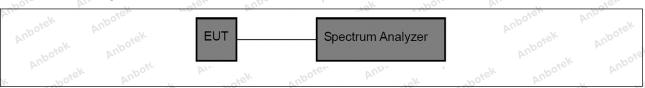






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6.2. Test Setup



6.3. Test Data

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Temperature:	24.3 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.





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7. Channel Move Time, Channel Closing Transmission Time

Test Requirement:	47 CFR Part 15.407(h)(2)(iii)
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Channel Move Time: within 10 seconds Channel Closing Transmission Time: 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. (The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.)
Test Method:	KDB 905462 D02, Clause 7.8.3
Test Method: Anborek Anborek	KDB 905462 D02, Clause 7.8.3 The steps below define the procedure to determine the above-mentioned parameters when a radar <i>Burst</i> with a level equal to the <i>DFS Detection Threshold</i> + 1dB is generated on the <i>Operating Channel</i> of the U-NII device (<i>In- Service Monitoring</i>). 1. One frequency will be chosen from the <i>Operating Channels</i> of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected. 2. In case the UUT is a U-NII device operating as a <i>Client Device</i> (with or without DFS), a U-NII device operating as a <i>Master Device</i> . In case the UUT (Client device) to <i>Associate</i> with the <i>Master Device</i> . In case the UUT is a <i>Master Device</i> , a U-NII device operating as a <i>Client Device</i> will be used and it is assumed that the Client will <i>Associate</i> with the UUT (Master). In both cases for conducted tests, the <i>Radar Waveform</i> generator will be directed towards the <i>Master Device</i> . If the <i>Master Device</i> has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing. 3. Stream the channel loading test file from the <i>Master Device</i> to the <i>Client Device</i> on the test <i>Channel</i> for the entire period of the test. 4. At time T0 the <i>Radar Waveform</i> generator sends a <i>Burst</i> of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the <i>Operating Channel</i> . An additional 1 dB is added to the radar test signal to ensure it is at or above the <i>DFS Detection Threshold</i> , accounting for equipment variations/errors. 5. Observe the transmissions of the UUT at the end of the radar Burst on the <i>Operating Channel</i> for duration greater than 10 seconds. Measure and
	record the transmissions from the UUT during the observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs. Figure 17 illustrates Channel Closing Transmission Time.
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	6. When operating as a <i>Master Device</i> , monitor the UUT for more than 30 minutes following instant T2 to verify that the UUT does not resume any transmissions on this <i>Channel</i> . Perform this test once and record the measurement result. 7. In case the UUT is a U-NII device operating as a <i>Client Device</i> with <i>In-Service Monitoring</i> , perform steps 1 to 6.

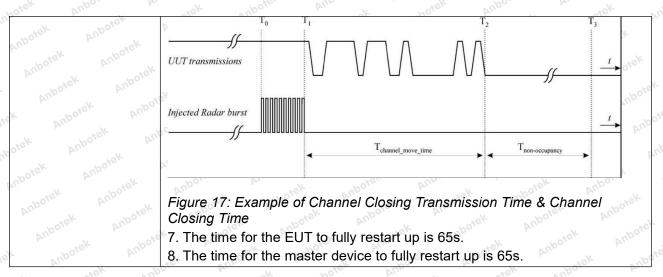








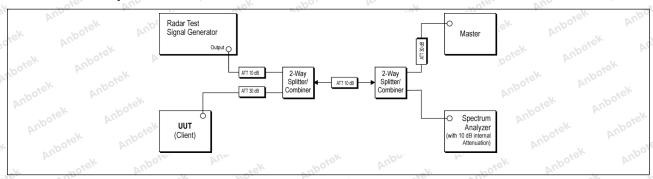
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7.1. EUT Operation

Operating Envir	onment:	boick	Anbore.	Ann	otek	Upolek	Aupo.	1	y, potek
i lest mode.	5: Norma	010	V (1)	he EUT	works in	normal op	erating m	ode and	connect to

7.2. Test Setup



7.3. Test Data

Tempera	ture: 24.3 °C	Humidity	/: 49 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.





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8. DFS Detection Thresholds

Test Requirement:	KDB 905462 D02, Clause 5.2 Table 3	
Anbotek Anbotek	Table 3: DFS Detection Thresholds for Master E with Radar Detection Table 3: DFS Detection Thresholds for Ma and Client Devices with Radar De	ster Devices
	Maximum Transmit Power EIRP ≥ 200 milliwatt	Value (See Notes 1, 2, and 3)
est Limit:	EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
Anbotek Anbotek Anbotek Anbot	EIRP < 200 milliwatt that do not meet the power spectral density requirement Note 1: This is the level at the input of the receiver assuming a 0 dl Note 2: Throughout these test procedures an additional 1 dB has be test transmission waveforms to account for variations in measurement the test signal is at or above the detection threshold level to trigger Note3: EIRP is based on the highest antenna gain. For MIMO device 662911 D01.	en added to the amplitude of the ent equipment. This will ensure that a DFS response.
est Method:	KDB 905462 D02, Clause 7.4.1.1	Anbotek Anbotek
	1) A 50 ohm load is connected in place of the spectrum analyzer is connected to place of the2) The interference Radar Detection Threshold had been taken into account the output power r	master Level is TH+ 0dBi +1dB that ange and antenna gain.
	3) The following equipment setup was used to a waveform. A vector signal generator was utilized level for radar type 0. During this process, there either the master or client device. The spectrum	d to establish the test signal were no transmissions by
Procedure:	the zero spans (time domain) at the frequency of generator. Peak detection was used. The spect bandwidth (RBW) and video bandwidth (VBW)	of the radar waveform rum analyzer resolution were set to 3 MHz. The
	spectrum analyzer had offset -1.0dB to compen 4) The vector signal generator amplitude was so measured at the spectrum analyzer was TH + 0	et so that the power level dBi +1dB = -63dBm. Captur
	the spectrum analyzer plots on short pulse rada Note: TH=-64 dBm or -62 dBm	ar wavelorm.

8.1. EUT Operation

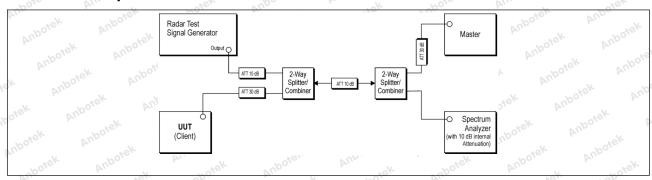
Operating Envi	ronment:					Ann
Test mode:	5: Normal Operating	: Keep the EUT	works in norm	al operatin	g mode and	connect to
rest mode.	companion device	And	Potek	Aupo.	by.	ek aboti





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8.2. Test Setup



8.3. Test Data

Temperature: 2	24.3 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.





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9. Band edge emissions (Radiated)

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	anbore.	47 CFR Part 15.407(b)(1)	Aupo.	rojek.	Anbole	Vur Fek
		47 CFR Part 15.407(b)(2)	aboten			Aupo,
	Test Requirement:	47 CFR Part 15.407(b)(3)				hote
		47 CFR Part 15.407(b)(4)				And
6	K Anbo. K A.	47 CFR Part 15.407(b)(10)	ek abote	Anbo	-k hote	K AND

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 solely in the 5.725-5.850 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.

Toet	ı	imit:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475- 16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425- 16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5- 1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8- 1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475- 156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2) sorek
13.36-13.41	Aupo, W.	de Yes	View Vun

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6





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otek Anbore A		or k botek A	upo, Ve.
ak abotek	The field strength of emiss	sions appearing within thes	se frequency bands shall
Anbore Arr	not exceed the limits show	n in § 15.209. At frequenc	cies equal to or less than
	1000 MHz, compliance with	th the limits in § 15.209sha	all be demonstrated
	using measurement instru	mentation employing a CIS	SPR quasi-peak
	detector. Above 1000 MHz	z, compliance with the emi	ssion limits in §
A. Otek Anboi	15.209shall be demonstra	ted based on the average	value of the measured
	emissions. The provisions	in § 15.35apply to these n	neasurements.
	k cotek Ant		abotek Anbe
	Except as provided elsewh		
hotek Anbo.	intentional radiator shall no	ot exceed the field strength	n levels specified in the
	following table:	Anbore And	potek Anbo
	Frequency (MHz)	Field strength	Measurement
kotek Anbore	All sek abover	(microvolts/meter)	distance
And	ek Anbore Arr	k aboten And	(meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30 do 100 pm
	1.705-30.0	30 botek An	30
	30-88	100 **	botel 3 Anbo
	88-216	150 **	AND O TOTOK
	216-960	200 **	Anbor 3 Ans
	Above 960	500	3er Ancor
	** Except as provided in p	V 1201	D.C.
	intentional radiators opera		
	frequency bands 54-72 MI		
sk abotek Ant	However, operation within		
	sections of this part, e.g.,		permitted under other
	In the emission table above		at the hand edges
	The emission limits shown		
	employing a CISPR quasi-		- XC.
	90 kHz, 110–490 kHz and		
	these three bands are bas		
	detector.	K Kotek Anbort	Plus Sek Spot
Test Method:	ANSI C63.10-2020, sectio	n 12.7.4. 12.7.6. 12.7.7	otek Aupon K
- Stek	NOTO ALL	Polok Pupos, - HV	Cick Vupore, Mu
	Above 1GHz:	IT was also and so the tow	of a matation table 1.5
	a. For above 1GHz, the El		
	meters above the ground		
	rotated 360 degrees to de		
	b. The EUT was set 3 met		
	which was mounted on the		
	c. The antenna height is v		
	ground to determine the m		
Procedure:	and vertical polarizations of		
	d. For each suspected em and then the antenna was		
	test frequency of below 30		
	and the rotatable table wa	s turried from 0 degrees to	5 300 degrees to lind the
	maximum reading. e. The test-receiver syster	n was set to Poak Dotact I	Function and Specified
	Bandwidth with Maximum		unction and Specified
	f. If the emission level of the		10dB lower than the
	limit specified, then testing		
		こししいい いき ろいしいせん すけい けん	- DUAN VAIDES UI LIE EUT









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would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.

- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

9.1. EUT Operation

Operating Environment:

1: 802.11a mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.

Test mode:

2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

- 3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
- 4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

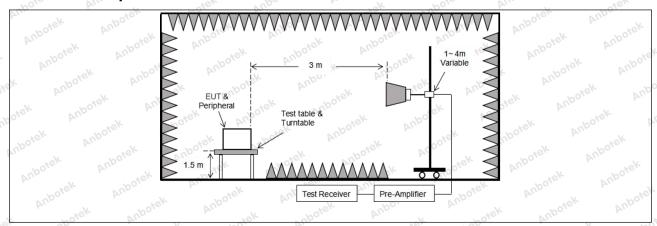
Shenzhen Anbotek Compliance Laboratory Limited





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9.2. Test Setup







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9.3. Test Data

Temperature: 24.3 °C Humidity: 49 % Atmospheric Pressure: 101 kPa

		Pr.	7,6,		40.	-700.	
		TM1 / B	and: 5150-5	350 MHz / BV	N: 20 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5150.00	37.26 AN	15.99 h	53.25	68.20	-14.95	workH A	Peak
5150.00	39.38	15.99	55.37	68.20	-12.83	V.	Peak
5150.00	27.12	15.99	43.11	54.00	-10.89	Ans Hick	AVG
5150.00	29.25	15.99	45.24	54.00	-8.76	AND STOK	AVG
		TM1 / B	and: 5150-53	350 MHz / BV	V: 20 / H		,
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5350.00	37.63	16.43	54.06	68.20	-14.14	H	Peak
5350.00	40.76	16.43	57.19	68.20	-11.01	AUD NOK	Peak
5350.00	29.06	16.43	45.49	54.00	-8.51	Pull K	AVG
5350.00	29.85	16.43	46.28	54.00	-7.72	ĬV/po _{jer}	AVG

Remark:

- 1. Result=Reading + Factor
- 2. During the test, all antenna chains has been tested, and only worst case (ANT1) data is listed in the report.

тероп.		NO, D.		40"	Up.		NO.,
TM2 / Band	l: 5150-5350	MHz / BW: 2	0 / L				
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5150.00	36.10	15.99	52.09	68.20	-16.11	H work	Peak
5150.00	37.57	15.99	53.56	68.20	-14.64	VAND	rek Peak
5150.00	26.82	15.99	42.81	54.00	or 211.19 pm	H Pup	AVG
5150.00	27.79	15.99	43.78	54.00	-10.22	Aupole V	AVG
		TM2 / B	and: 5150-53	350 MHz / BV	V: 20 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5350.00	37.98	16.43	54.41	68.20	-13.79	H	Peak
5350.00	38.96	16.43	55.39 M	68.20	-12.81	OLER A VUD.	Peak
5350.00	28.03	16.43	44.46	54.00	-9.54	obotekH A	AVG
5350.00	29.56	16.43	45.99	54.00	-8.01	~V.	AVG
	14	100	2/00,	- V		V	70.

Remark:

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.









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		TM2 / B	and: 5150-53	350 MHz / BV	V: 40 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5150.00	36.78	15.99	52.77	68.20	-15.43	PH	Peak
5150.00	38.60	15.99	54.59	68.20	-13.61	Nupor	Peak
5150.00	27.37	15.99	43.36	54.00	10.64 NO	otek H Anbo	AVG
5150.00	28.87	15.99	44.86	54.00	-9.14	nbotek V Ar	AVG
		TM2 / B	and: 5150-53	350 MHz / BV	V: 40 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5350.00	38.28	16.43	54.71	68.20	-13.49	Hup	Peak
5350.00	37.07	16.43	53.50 ,000	68.20	-14.70	isk A Vupo,	Peak
5350.00	28.62	16.43	45.05	54.00	-8.95	Lotek H An	AVG
5350.00	29.88	16.43	46.31	54.00	-7.69	Y	AVG

Remark:

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.

	TM3 / Band: 5150-5350 MHz / BW: 20 / L									
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector			
5150.00	37.26	15.99	53.25	68.20	-14.95	AnoHiek	Peak			
5150.00	39.07	15.99	55.06	68.20	-13.14	Notek	Peak			
5150.00	26.73	15.99	42.72	54.00	-11.28	ek Hanbote	AVG			
5150.00	29.03	15.99 ^{nbot}	45.02	otek 54.00 _{Anb} o	-8.98	otek V no	AVG MAD			
		TM3 / B	and: 5150-53	350 MHz / BV	V: 20 / H					
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector			
5350.00	38.05	16.43	54.48	68.20	-13.72	Hoter	Peak			
5350.00	38.28	16.43	54.71	68.20	-13.49	k V botel	Peak			
5350.00	28.02	16.43	44.45	54.00	-9.55	H	AVG AVG			
5350.00	28.68	16.43	45.11 A	54.00		O'es V And	AVG			

Remark:

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.







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O. b.	**	46. 741	, ·		Po. b		760.
		TM3 / B	and: 5150-53	850 MHz / BV	V: 40 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5150.00	36.19	15.99	52.18	68.20	-16.02	PH	Peak
5150.00	36.53	15.99	52.52	68.20	-15.68	Nupo,	Peak
5150.00	26.50 ^{7/00}	15.99	42.49	54.00	rel-11.51 mb	otek H Anbo	AVG
5150.00	27.11 An	15.99	43.10	54.00	-10.90	nbotek V A	AVG
		TM3 / B	and: 5150-53	350 MHz / BV	V: 40 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5350.00	38.28	16.43	54.71	68.20	-13.49	Hup	Peak
5350.00	37.35	16.43	53.78	68.20	-14.42	tek A Vupo	Peak
5350.00	27.66	16.43	44.09	54.00	-9.91	hotek H An	AVG
5350.00	27.87	16.43	44.30	54.00	-9.70	V	AVG

Remark:

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.

	K 20,	Pre-		5. VUD	-	7/c - 20.	DAY.
		TM3 / B	and: 5150-5	350 MHz / BV	V: 80 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5150.00	36.19	15.99	52.18	68.20	-16.02	Hek	Peak
5150.00	36.81	15.99	52.80	68.20	-15.40	And V otek	Peak
5150.00	26.97	15.99	42.96	54.00	-11.04	H	AVG
5150.00	27.11	15.99	43.10	54.00	ek -10.90000	VAMP	AVG NO
		TM3 / B	and: 5150-53	350 MHz / BV	V: 80 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5350.00	38.67	16.43	55.10	68.20	-13.10	H Her	Peak
5350.00	37.74	16.43	54.17	68.20	-14.03	V9	Peak
5350.00	29.24	16.43	45.67	54.00	-8.33 ₀₀ 0	H Hypor	AVG
5350.00	28.38	16.43	44.81	54.00	-9.19	otek V Anbe	AVG

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.







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0, h,		40, 14,	· · · · · · · · · · · · · · · · · · ·		100. by.		40.
		TM4 / B	and: 5150-53	850 MHz / BV	V: 20 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5150.00	37.23	15.99	53.22	68.20	-14.98	PH	Peak
5150.00	39.02	15.99	55.01	68.20	-13.19	Nupo,	Peak
5150.00	26.72	15.99	42.71 A	54.00	11.29 NO	otek H Anbo	AVG
5150.00	29.00 An	15.99	44.99	54.00 AN	-9.01	nbotek V A	AVG
		TM4 / B	and: 5150-53	350 MHz / BV	V: 20 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5350.00	38.04	16.43	54.47	68.20	-13.73	Hup	Peak
5350.00	38.26	16.43	54.69	68.20	-13.51	tek A Vupo	Peak
5350.00	27.99	16.43	44.42	54.00	-9.58	Lotek H An	AVG
5350.00	28.65	16.43	45.08	54.00	-8.92	V	AVG

Remark:

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.

		TM4 / B	and: 5150-53	350 MHz / BV	V: 40 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5150.00	36.15	15.99	52.14	68.20	-16.06	AnbHek	Peak
5150.00	36.51	15.99	52.50	68.20	-15.70	Modek	Peak
5150.00	26.45	15.99	42.44	54.00	-11.56	ek H _{nbote}	AVG
5150.00	27.07	15.99 ^{nbot}	43.06	otek 54.00 _{Anbo}	-10.94	otek V nb	AVG M
		TM4 / B	and: 5150-53	350 MHz / BV	V: 40 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5350.00	38.26	16.43	54.69	68.20	-13.51	Hoter	Peak
5350.00	37.34	16.43	53.77	68.20	-14.43	k V botel	Peak
5350.00	27.65	16.43	44.08	54.00	-9.92	H	AVG AVG
5350.00	27.83	16.43	44.26	54.00	oke ³ -9.74 km	Oren V Anna	AVG

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.







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		TM4 / B	and: 5150-53	350 MHz / BV	V: 80 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5150.00	36.18	15.99	52.17	68.20	-16.03	AH LON	Peak
5150.00	36.76	15.99	52.75	68.20	-15.45	Nupor	Peak
5150.00	26.93	15.99	42.92 nbo	54.00	11.08 NO	otek H Anbo	AVG
5150.00	27.08	15.99	43.07	54.00	-10.93	nbotek V Ar	AVG
		TM4 / B	and: 5150-53	350 MHz / BV	V: 80 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5350.00	38.62	16.43	55.05	68.20	-13.15	Hup	Peak
5350.00	37.70	16.43	54.13	68.20	-14.07	yek A Vupo,	Peak
5350.00	29.18	16.43	45.61	54.00	-8.39	Lotek H An	AVG
5350.00	28.35	16.43	44.78	54.00	-9.22	Y	AVG

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.





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0. k.	**	TM1 / B	and: 5470-58	350 MHz / BV	V: 20 / L		- A.
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5460.00	38.41	16.37	54.78	68.20	-13.42	"Ho _{ter}	Peak
5460.00	39.88	16.37	56.25	68.20	-11.95	k V botek	Peak
5470.00	39.34	16.70	56.04	68.20	-12.16	H	Peak
5470.00	40.17	16.70	56.87	68.20	11.33	oter V Ande	Peak
5460.00	28.94	16.37	45.31	54.00	-8.69	hotek H Ar	AVG
5460.00	28.83	16.37	45.20	54.00	-8.80	V	AVG
5470.00	29.21	16.70	45.91	54.00	-8.09	Pup H ok	AVG
5470.00	30.34	16.70	47.04	54.00	-6.96	AUD TO	AVG
		TM1 / B	and: 5470-58	350 MHz / BV	V: 20 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5850.00	39.40	17.21	56.61	68.20	-11.59	otek H an	Peak An
5850.00	39.81	17.21	57.02	68.20	-11.18	V	Peak
5850.00	29.34	17.21	46.55	54.00	-7.45	Anbor H	AVG
5850.00	29.31	17.21	46.52	54.00	-7.48	VUA.	AVG

Remark:

- 1. Result=Reading + Factor
- 2.During the test, all antenna chains has been tested, and only worst case (ANT1) data is listed in the report.

		34 1274		- NO NO.			- CD 7
TM2 / Band	: 5470-5850	MHz / BW: 2	0 / L				
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5460.00	38.41	16.37	54.78	68.20	-13.42	AUGH 18K	Peak
5460.00	39.05	16.37	55.42	68.20	-12.78	Vool	Peak
5470.00	38.52	16.70	55.22	68.20	-12.98	er Hanbore	Peak
5470.00	39.00	16.70	55.70	68.20	-12.50	V V	Peak Peak
5460.00	27.29	16.37	43.66	54.00	10.34	H	AVG
5460.00	27.78	16.37	44.15	54.00	-9.85	nboteV P	AVG
5470.00	27.73	16.70	44.43	54.00	-9.57	"Hsk	AVG
5470.00	28.32	16.70	45.02	54.00	-8.98	Am V stek	AVG
		TM2 / B	and: 5470-58	850 MHz / BV	V: 20 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5850.00	37.64	17.21	54.85 M	68.20	-13.35 M	ote. H And	Peak
5850.00	38.19	17.21	55.40	68.20	-12.80	aboteky A	Peak
5850.00	27.98	17.21	45.19	54.00	-8.81	Hr.	AVG
5850.00	28.72	17.21	45.93	54.00	-8.07	AUD A POK	AVG
		100.	101	20			150

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.









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			,				
		TM2 / B	and: 5470-5	850 MHz / BV	V: 40 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5460.00	37.99	16.37	54.36	68.20	-13.84	"Ho _{tot}	Peak
5460.00	38.93	16.37	55.30	68.20	-12.90	V spotek	Peak
5470.00	38.82	16.70	55.52	68.20	-12.68	H	Peak
5470.00	39.54	16.70	56.24	68.20	-11.96	oter A Vup	Peak
5460.00	27.04	16.37	43.41	54.00	-10.59	botek H A	AVG
5460.00	28.85	16.37	45.22	54.00	-8.78	V.	AVG
5470.00	27.24	16.70	43.94	54.00	-10.06	And H.ok	AVG
5470.00	28.53	16.70	45.23	54.00	-8.77	PUA,	AVG
		TM2 / B	and: 5470-58	850 MHz / BV	V: 40 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5850.00	38.35	17.21 And	55.56	68.20	-12.64	Lotek H An	Peak Po
5850.00	38.66	17.21	55.87	68.20	-12.33	V	Peak
5850.00	28.54	17.21	45.75	54.00	-8.25	Aupo, H	AVG
5850.00	29.57	17.21	46.78	54.00	-7.22	N. A. A. S.	AVG

Remark:

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.

·	iii alo roport	N	7/11			Y Y	V.	· 0/2 P//.
			TM3 / B	and: 5470-58	350 MHz / BV	V: 20 / L		
70	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
	5460.00	37.59	16.37	53.96	68.20	-14.24	Ant Pi	Peak
	5460.00	37.63	16.37	54.00	68.20	-14.20	Votek	Peak
-	5470.00	38.17	16.70	54.87	68.20	-13.33	H _ore	Peak
7	5470.00	38.43	16.70	55.13	68.20	-13.07	VANS	Peak No
	5460.00	28.16	16.37	44.53	54.00	-9.47	otek H And	AVG
N	5460.00	28.90	16.37	45.27	54.00	-8.73	Vero	abot AVG
	5470.00	28.44	16.70	45.14	54.00	-8.86	H _K	AVG
	5470.00	29.36	16.70	46.06	54.00	-7.94	PUPON.	AVG
			TM3 / B	and: 5470-58	350 MHz / BV	V: 20 / H		
e	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
	5850.00	38.33	17.21	55.54	68.20	-12.66	OTEK H ANDS	Peak
O	5850.00	39.17	17.21 AT	56.38	68.20	-11.82	V	Peak
	5850.00	28.16	17.21	45.37	54.00	-8.63	YUPO H	AVG
200	5850.00	29.32	17.21	46.53	54.00	-7.47	Aup of	AVG
	-4 Up	74	70.	-	740.	V112	- 2/5 -	-700

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.









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		TM3 / B	and: 5470-5	850 MHz / BV	V: 40 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5460.00	36.51	16.37	52.88	68.20	-15.32	"Hose.	Peak
5460.00	37.97	16.37	54.34	68.20	-13.86	V botel	Peak
5470.00	36.94	16.70	53.64	68.20	-14.56	H	Peak
5470.00	38.31	16.70	55.01 mbc	68.20	-13.19	oter A Vup	Peak
5460.00	27.47	16.37	43.84	54.00	-10.16	hotek H A	AVG
5460.00	27.58	16.37	43.95	54.00	-10.05	V	AVG
5470.00	27.72	16.70	44.42	54.00	-9.58	Aup H ok	AVG
5470.00	28.39	16.70	45.09	54.00	-8.91	PUA,	AVG
		TM3 / B	and: 5470-58	850 MHz / BV	V: 40 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5850.00	37.84	17.21	55.05	68.20	-13.15	otek H An	Peak Pr
5850.00	38.76	17.21	55.97	68.20	-12.23	V	Peak
5850.00	27.86	17.21	45.07	54.00	-8.93	Anbort H	AVG
5850.00	27.55	17.21	44.76	54.00	-9.24	NIN S	AVG

Remark:

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.

		TM3 / B	and: 5470-58	350 MHz / BV	V: 80 / L	V.	
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5460.00	35.77	16.37	52.14	68.20	-16.06	Hotek	Peak
5460.00	37.36	16.37	53.73	68.20	-14.47	V	Peak
5470.00	36.13	16.70	52.83	68.20	-15.37	HANDO	Peak
5470.00	38.31	16.70	55.01	68.20	-13.19	otek V Anb	Peak
5460.00	26.14	16.37	42.51	54.00	-11.49	H	AVG
5460.00	27.15	16.37	43.52	54.00	-10.48	Yupo. A	AVG
5470.00	26.89	16.70	43.59	54.00	-10.41	Anb H	AVG
5470.00	27.36	16.70	44.06	54.00	-9.94	Votek	AVG
		TM3 / B	and: 5470-58	350 MHz / BV	V: 80 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5850.00	37.97	ot ^{el} 17.21 Anh	55.18	68.20	-13.02	Н	Peak
5850.00	38.18	17.21	55.39	68.20	-12.81	Nupot V	Peak
5850.00	28.47	17.21	45.68	54.00	-8.32	No H	AVG
5850.00	28.53	17.21	45.74	54.00	-8.26	Votek	AVG
D +0%	0111	10-	700		. 010	011	-01-

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.









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		TM4 / B	and: 5470-58	850 MHz / BV	V: 20 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5460.00	37.55	16.37	53.92	68.20	-14.28	"Hote.	Peak
5460.00	37.62	16.37	53.99	68.20	-14.21	k V botek	Peak
5470.00	38.13	16.70	54.83	68.20	-13.37	H	e Peak ∾°
5470.00	38.42	16.70	55.12 55	68.20	-13.08 N	oter A Vupe	Peak
5460.00	28.14	16.37	44.51	54.00	-9.49	botek H Ar	AVG
5460.00	28.86	16.37	45.23	54.00	-8.77	V	AVG
5470.00	28.42	16.70	45.12	54.00	-8.88	Pup H ok	AVG
5470.00	29.32	16.70	46.02	54.00	-7.98	PUD.	AVG
		TM4 / B	and: 5470-58	350 MHz / BV	V: 20 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5850.00	38.29	17.21 And	55.50	68.20	-12.70	otek H An	Peak A
5850.00	39.14	17.21	56.35	68.20	-11.85	V	Peak
5850.00	28.13	17.21	45.34	54.00	-8.66	Anbor H	AVG
5850.00	29.28	17.21	46.49	54.00	-7.51	VUIN IS	AVG

Remark:

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.

	iii tiio report	No. of the last of	01		<u> </u>		V	- Q /
			TM4 / B	and: 5470-58	350 MHz / BV	V: 40 / L		
		Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
	5460.00	36.48	16.37	52.85	68.20	-15.35	An'off	Peak
	5460.00	37.95	16.37	54.32	68.20	-13.88	Votek	Peak
	5470.00	36.91	16.70	53.61	68.20	-14.59	H Jose	Peak
X.	5470.00	38.29	16.70	54.99	68.20	-13.2 <u>1</u>	V Vue	Peak
	5460.00	27.45	16.37	43.82	54.00	-10.18	otek H And	AVG
O.	5460.00	27.56	16.37	43.93	54.00	-10.07	woteV p	AVG
	5470.00	27.70	16.70	44.40	54.00	-9.60	Hop Hik	AVG
	5470.00	28.37	16.70	45.07	54.00	-8.93	Anbov .	AVG
			TM4 / B	and: 5470-58	350 MHz / BV	V: 40 / H		
0	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
	5850.00	37.81 nbo	17.21	55.02 No	68.20	-13.18	otek H Anbe	Peak
0/	5850.00	38.72	o ^{tel} 17.21 And	55.93	68.20	-12.27	VYOY	Peak
	5850.00	27.83	17.21	45.04	54.00	-8.96	rupo. H	AVG
1000	5850.00	27.51	17.21	44.72	54.00	-9.28	Aup of	AVG
		- 1	No.	- Pr	-40	V U	- 1/2	70

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.









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		TM4 / B	and: 5470-58	350 MHz / BV	V: 80 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5460.00	35.74	16.37	52.11	68.20	-16.09	"Ho _{ter}	Peak
5460.00	37.32	16.37	53.69	68.20	-14.51	k V spotek	Peak
5470.00	36.10	16.70	52.80	68.20	-15.40	H	o Peak ∾°
5470.00	38.27	16.70	54.97	68.20	13.23	oter A Vupe	Peak
5460.00	26.10	16.37	42.47	54.00	-11.53	botek H Ar	AVG
5460.00	27.12	16.37	43.49	54.00	-10.51	V	AVG
5470.00	26.85	16.70	43.55	54.00	-10.45	Pup H ok	AVG
5470.00	27.33	16.70	44.03	54.00	-9.97	PUA.	AVG
		TM4 / B	and: 5470-58	350 MHz / BV	V: 80 / H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5850.00	37.91	17.21 And	55.12	68.20	-13.08	sotek H An	Peak
5850.00	38.14	17.21	55.35	68.20	-12.85	V	Peak
5850.00	28.40	17.21	45.61	54.00	-8.39	Anbort H	AVG
5850.00	28.49	17.21	45.70	54.00	-8.30	1 / View	AVG

- 1. Result=Reading + Factor
- 2. During the test, SISO and MIMO modes have been tested, and only worst case (MIMO) data is listed in the report.



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10. Band edge emissions (Conducted)

700 K	hote Au tek up
Test Requirement:	47 CFR Part 15.407(b)(1)
Tope requirements	47 CFR Part 15.407(b)(2)
Anbo. Lek Abot	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.
Test Limit:	o. W. Wotek Whole. Wer Tek Upotek Wupo. W.
	For transmitters operating in the 5.25-5.35 GHz band: All emissions outside
abotek Anbo	of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
" stek supoje.	And ak potek Anbo. A. otek opote. And
	Peak emission levels are measured by setting the instrument as follows:
	RBW = 1 MHz.
Test Method:	VBW ≥ [3 × RBW]
rest Method.	Detector = peak.
	Detector - peak.
	Sweep time = auto. Trace mode = max hold.

10.1. EUT Operation

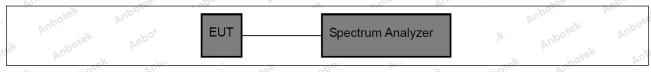
Operating Livi	Tolling It.
Anboten	1: 802.11a mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and
	found the data rate @ 6Mbps is the worst case. Only the data of worst case is
	recorded in the report.
	2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously

2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

Test mode:

- 3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
- 4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

10.2. Test Setup



10.3. Test Data

	P^{Q}	emperature:	24.3 °C	Aupoten	Humidity:	49 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.







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11. Undesirable emission limits (below 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(9)	Aug sporek Aug	or All
Aupotek Aupote	Unwanted emissions below strength limits set forth in §	v 1 GHz must comply with the go	eneral field
		nere in this subpart, the emission ot exceed the field strength levels	
Anbotek Anbotek	Frequency (MHz)	Field strength (microvolts/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 1/100
Test Limit:	88-216	150 **	3 abotek
otek Anbore	216-960	200 **	3 And
by hotek	Above 960	500	3 Anbore
upoter Ann	100	naragraph (g), fundamental emiss	-101
	employing a CISPR quasi- 90 kHz, 110–490 kHz and	in the above table are based on peak detector except for the free above 1000 MHz. Radiated emis ed on measurements employing	quency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020, section	n 12.7.4, 12.7.5	Anbore Arr
otek Anbotek	meters above the ground a was rotated 360 degrees to b. The EUT was set 3 or 10 antenna, which was mount c. The antenna height is va ground to determine the m and vertical polarizations od. For each suspected emiand then the antenna was	JT was placed on the top of a rot at a 3 meter semi-anechoic champ determine the position of the hometers away from the interferented on the top of a variable-heigh aried from one meter to four meter aximum value of the field streng of the antenna are set to make the ission, the EUT was arranged to tuned to heights from 1 meter to MHz, the antenna was tuned to	nber. The table ighest radiation. ence-receiving at antenna tower. ers above the th. Both horizontale measurement. its worst case 4 meters (for the
	and the rotatable table was maximum reading. e. The test-receiver system Bandwidth with Maximum f. If the emission level of the	s turned from 0 degrees to 360 d n was set to Peak Detect Functic Hold Mode. le EUT in peak mode was 10dB	legrees to find the on and Specified lower than the
		could be stopped and the peak ise the emissions that did not ha	









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would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.

- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

Above 1GHz:

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB









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below the limit need not be reported.

- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

11.1. EUT Operation

Operating Environment:

1: 802.11a mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.

2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

Test mode:

- 3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
- 4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

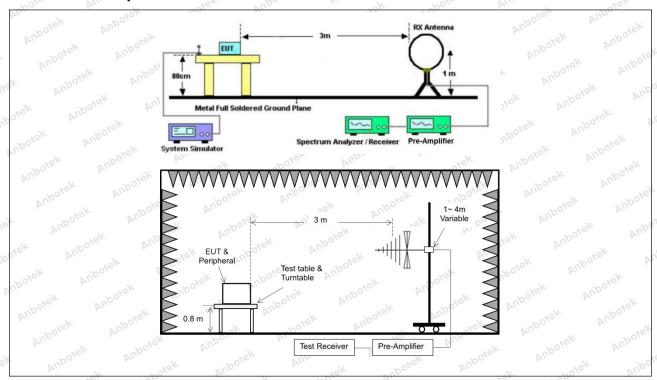
Shenzhen Anbotek Compliance Laboratory Limited





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11.2. Test Setup





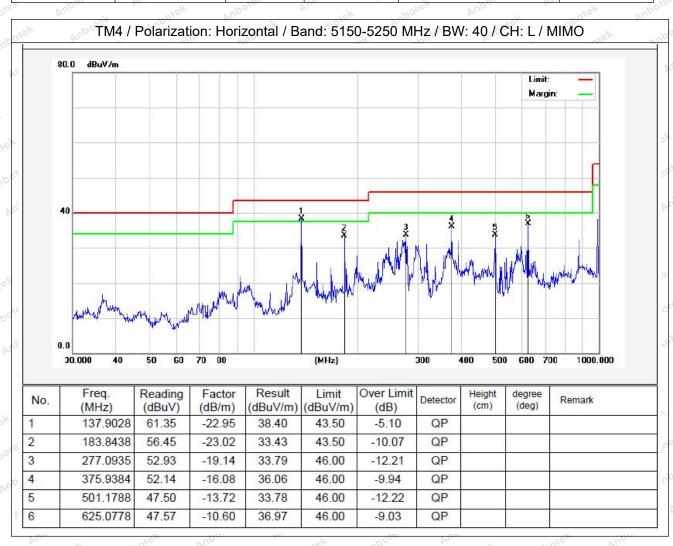


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11.3. Test Data

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

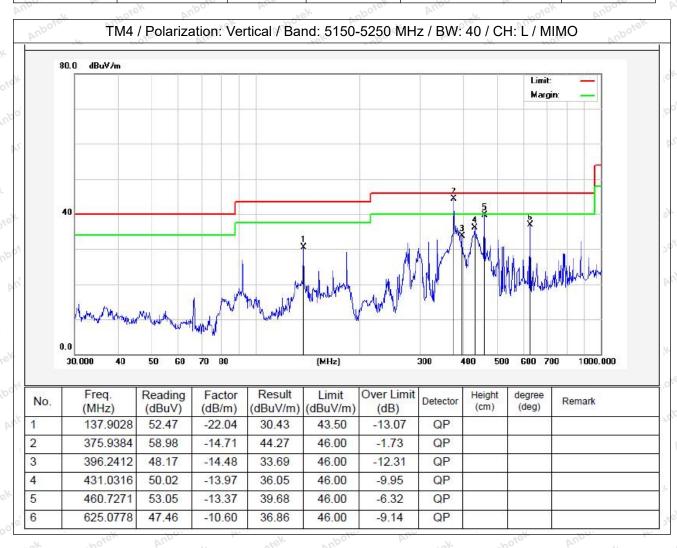
Temperature:	24.3 °C	DU	Humidity:	49%	Atmospheric Pressure:	101 kPa
	- : :			7.0	7 1111100 1111111111111111111111111111	





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Temperature: 24.3 °C Humidity: 49 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data 802.11ax(HEW40) in the report.







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12. Undesirable emission limits (above 1GHz)

	anbotek Anbotes	47 CFR Part 15.407(b)(1)	Aupo.	worek.	Anbole	YUR
		47 CFR Part 15.407(b)(2)	abolen			Aupo,
	Test Requirement:	47 CFR Part 15.407(b)(3)		aboten		hote
	Ar. stek anbot	47 CFR Part 15.407(b)(4)				And
6	k Aupo. K	47 CFR Part 15.407(b)(10)	ek abotel	Anbo.	K hotel	k anb
- 1	787	7	126	- N	D VA.	

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 solely in the 5.725-5.850 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.

Toct	ı	imit:	

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475- 16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425- 16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5- 1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8- 1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475- 156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2) Sorek
13.36-13.41	Vupo, Vi	19th 19th	View Ville

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.



²Above 38.6



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otek Anbore A		ok botek Ar	upor A. Stek
abotek Alex	The field strength of emiss	sions appearing within thes	se frequency bands shall
Anbore All.	not exceed the limits show	vn in § 15.209. At frequenc	ies equal to or less than
	1000 MHz, compliance wi	th the limits in § 15.209sha	all be demonstrated
	using measurement instru	mentation employing a CIS	SPR quasi-peak
	detector. Above 1000 MHz	z, compliance with the emis	ssion limits in §
A. Stek Anbo	15.209shall be demonstra	ted based on the average	value of the measured
	emissions. The provisions	in § 15.35apply to these n	neasurements.
	" " ciek Ant		botek Anb
		here in this subpart, the en	
hotek Anbo		ot exceed the field strength	n levels specified in the
	following table:		shorek Anbo
	Frequency (MHz)	Field strength	Measurement
botek Anbote	Al abover	(microvolts/meter)	distance
And	ek Anbor Arr	k Spoten And	(meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30 months
	1.705-30.0	30	30
	30-88	100 **	aboter 3 Ambo
	88-216	150 **	Pos 3 Opolok
	216-960	200 **	Anbo 3
	Above 960	500	3 Anbort
		aragraph (g), fundamental	No.
		iting under this section sha	
		Hz, 76-88 MHz, 174-216 M	
		these frequency bands is	
	sections of this part, e.g.,		permitted under other
		ve, the tighter limit applies a	at the hand edges
		in the above table are bas	
	-20.	-peak detector except for t	- XO
		above 1000 MHz. Radiate	
		sed on measurements emp	
	detector.	V solek Anbor	All All Sol
Test Method:	ANSI C63.10-2020, section	on 12 7 4 12 7 6 12 7 7	otek Pupo, Y
Tool Manous	MOTO AM	hotek Arbos, Z. Arr	atek anboten An
	Above 1GHz:	117 ok 1 1/20 ^t ek	-6 - u-t-tiu u t-bl- 4 5
		UT was placed on the top	
		at a 3 meter fully-anechoic	
		termine the position of the	
		ters away from the interference	
		e top of a variable-height a	
		aried from one meter to for	
		naximum value of the field	
Procedure:		of the antenna are set to m	
		ission, the EUT was arrang	
		tuned to heights from 1 m	
in wotek		MHz, the antenna was tur	
	6/1/2	s turned from 0 degrees to	300 degrees to find the
	maximum reading.	m was set to Book Detact	Function and Specified
	Bandwidth with Maximum	m was set to Peak Detect F	-unclion and Specified
. aboiek Anbo			10dR lower than the
		he EUT in peak mode was	
tek por Ar	I IIIIII speciliea, then testing	g could be stopped and the	peak values of the EUT









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would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.

- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

12.1. EUT Operation

Operating Environment:

1: 802.11a mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11a modulation type. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.

2: 802.11n mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11n modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.

Test mode:

- 3: 802.11ac mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ac modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
- 4: 802.11ax mode: Keep the EUT connect to AC power line and works in continuously transmitting mode with 802.11ax modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.



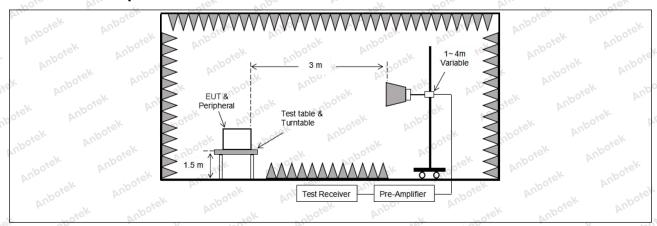






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12.2. Test Setup







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12.3. Test Data

Temperature:	24.3 °C	Humidity:	49 % Mbore	Atmospheric Pressure:	101 kPa	
i iciniperature.	PZ-1.0 0	i fulfillalty.	TO 70 p	7 timosphono i ressure.	TOTAL	1

- No.	PO1,	Dis.	461	70p.	Yar	-1007	D1.
		TM3 / Ban	d: 5150-525	0 MHz / BW:	20 / CH: L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10360.00	31.49	23.81 M	55.30	68.20	-12.90	V	Peak
15540.00	32.84	28.68	61.52	68.20	-6.68	Wpo. A	Peak
10360.00	31.90	23.81	55.71	68.20	-12.49	AupoH	Peak
15540.00	32.92	28.68	61.60	68.20	-6.60	"Ho _{fer}	Peak
10360.00	20.890	23.81	44.70	54.00	-9.30	Vabotek	AVG
15540.00	21.987	28.68	50.67	54.00	-3.33	V V	AVG NO
10360.00	21.094	23.81	44.90	54.00	otek -9.10 And	H bus	AVG
15540.00	21.594	28.68	50.27	54.00	-3.73	obotek H Ar	AVG
	1	TM3 / Ban	d: 5150-5250	MHz / BW:	20 / CH: M	P.	1 %-1/2×*
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10400.00	30.85	23.81	54.66	68.20	-13.54	Kupore	Peak
15600.00	32.37	29.13	61.50	68.20	-6.70	iek V nbot	Peak
10400.00	31.39	23.81	55.20	68.20	-13.00	H	Peak M
15600.00	32.44	29.13	^{61.57}	68.20	-6.63	H bu	Peak
10400.00	21.160	23.81	44.97	54.00	-9.03	Anborer	AVG
15600.00	22.107	29.13	51.24	54.00	-2.76	No Alek	AVG
10400.00	21.084	23.81	44.89	54.00	-9.11	Horek	AVG
15600.00	21.674	29.13	50.80	54.00	-3.20	H	AVG
		TM3 / Ban	d: 5150-525	MHz / BW:	20 / CH: H	1.30	
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10480.00	30.42	23.80	54.22	68.20	-13.98	Aup. Ak	Peak
15720.00	31.85	30.03	61.88	68.20	-6.32	PUPOL	Peak
10480.00	31.03	23.80	54.83	68.20	-13.37	Hootes	Peak
15720.00	31.35	30.03	61.38	68.20	-6.82	ek Habote	Peak
10480.00	19.83	23.80	43.63	54.00	-10.37	V V	nek AVG nob
15720.00°	20.87	30.03	50.90	54.00	otel -3.10 pm	V Ant	AVG
10480.00	20.29	23.80	44.09	54.00	-9.91	Anbotek H	AVG
15720.00	20.46	30.03	50.49	54.00	-3.51	_bH ^k	AVG

- 1. Result =Reading + Factor
- 2. Only record the worst data 802.11ac(VHT20) in the report.









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		TM2 / Ban	d: 5250-535	0 MHz / BW:	40 / CH: L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10540.00	27.51	23.83	51.34	68.20	-16.86	P.V.	Peak
15810.00	29.29	30.70	59.99	68.20	-8.21	K VAUPOLE	Peak
10540.00	27.81	23.83	51.64	68.20	-16.56	otek H no	Peak
15810.00	29.21	otel 30.70 pm	59.91	68.20	-8.29 And	Н	Peak
10540.00	17.04	23.83	40.87	54.00	-13.13	Nupor N	AVG
15810.00	18.43	30.70	49.13	54.00	-4.87	Aup of C	AVG
10540.00	17.65	23.83	41.48	54.00	-12.52	Hotek	AVG
15810.00	18.54	30.70	49.24	54.00	-4.76	H botek	AVG
5.07		TM2 / Ban	d: 5250-535	0 MHz / BW:	40 / CH: H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10620.00	28.28	23.90	52.18	68.20	-16.02	Ŋ.	Peak
15930.00	27.87	31.83	59.70	68.20	-8.50	Aup Aug	Peak
10620.00	28.61	23.90	52.51	68.20	-15.69	ANH	Peak
15930.00	28.66	31.83	60.49	68.20	-7.71	Hupoyer	Peak
10620.00	18.48	23.90	42.38	54.00	-11.62	ek V nbot	AVG
15930.00	17.71	31.83	49.54	54.00	-4.46	V	AVG N
10620.00	18.62	23.90	42.52	54.00	-11.48	H DI	AVG
15930.00	17.83	31.83	49.66	54.00	-4.34	anbotel H	AVG

Remark:

- 1. Result =Reading + Factor
- 2. Only record the worst data 802.11n(HT40) in the report.



Hotline



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ien Aug		TM4 / Pan	d: 5470 572	5 MHz / BW:	VOIGHT		- rek
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11020.000	27.69	24.12	51.81	68.20	-16.39	P.A.	Peak
16530.000	28.08	32.96	61.04	68.20	-7.16	k Nupote	Peak
11020.000	28.95	24.12	53.07	68.20	-15.13	yek H no	Peak
16530.000	27.68	32.96 AND	60.64	68.20	-7.56 Ant	Н	Peak
11020.000	17.46	24.12	41.58	54.00	-12.42	Npor V	AVG
16530.000	18.20	32.96	51.16	54.00	-2.84	Vupofe.	AVG
11020.000	17.15	24.12	41.27	54.00	-12.73	Hotek	AVG
16530.000	17.78	32.96	50.74	54.00	-3.26	H bořek	AVG
0.00		TM4 / Ban	d: 5470-572	5 MHz / BW:	20 / CH: M		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11100.000	27.12	23.86	50.98	68.20	-17.22	V	Peak
16650.000	28.28	32.25	60.53	68.20	-7.67	Anbo V ok	Peak
11100.000	27.51	23.86	51.37	68.20	-16.83	Anh	Peak
16650.000	27.78	32.25	60.03	68.20	-8.17	Hypoten	Peak
11100.000	16.79	23.86	40.65	54.00	-13.35	ek V nbot	AVG
16650.000	16.89	32.25	49.14	54.00	-4.86 And	V ,	AVG
11100.000	16.57	23.86	40.43	54.00	-13.57	Pose, H	AVG
16650.000	17.31	32.25	49.56	54.00	-4.44	Anborek H	AVG
		TM4 / Ban	d: 5470-572	5 MHz / BW:	20 / CH: H		- 20
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11340.000	28.12	23.60	51.72	68.20	-16.48	SK A Vupos	Peak
17010.000	28.28	31.58	59.86	68.20	-8.34	nek V not	Peak
11340.000	26.51	23.60	50.11	68.20	-18.09	, H	Peak
17010.000	27.23	31.58	58.81	68.20	-9.39	Aupor H	Peak
11340.000	17.58	23.60	41.18	54.00	-12.82	Anboron	AVG
17010.000	18.13	31.58	49.71	54.00	-4.29	Motek	AVG
11340.000	17.05	23.60	40.65	54.00	-13.35	H bote	AVG
17010.000	17.91	31.58	49.49	54.00	-4.51	Н	AVG

- 1. Result =Reading + Factor
- 2. Only record the worst data 802.11ax(HEW40) in the report.







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Vic. VUC		riek nip	O. P.	40.	HOLE. YU		Yek.
		TM4 / Ban	d: 5725-585	0 MHz / BW:	40 / CH: L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11510.000	28.65	23.36	52.01	68.20	-16.19	P.V.	Peak
17265.000	29.25	32.02	61.27	68.20	-6.93	K Nupote	Peak
11510.000	29.56	23.36	52.92	68.20	-15.28	sek H nb	Peak
17265.000	29.48	32.02	61.50	68.20	-6.70 Ant	Н	Peak
11510.000	18.39	23.36	41.75	54.00	-12.25	Nupor V	AVG
17265.000	18.80	32.02	50.82	54.00	-3.18	Vupor.	AVG
11510.000	18.78	23.36	42.14	54.00	-11.86	Hotek	AVG
17265.000	19.29	32.02	51.31	54.00	-2.69	H botek	AVG
5.40.1		TM4 / Ban	d: 5725-585	0 MHz / BW:	40 / CH: H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11590.00	28.03	23.43	51.46	68.20	-16.74	Ŋ.	Peak
17385.00	29.19	32.23	61.42	68.20	-6.78	Anb V.Sk	Peak
11590.00	28.48	23.43	51.91	68.20	-16.29	AnH	Peak
17385.00	28.73	32.23	60.96	68.20	-7.24	Hupoter	Peak
11590.00	17.67	23.43	41.10	54.00	-12.90	ek V nbot	AVG
17385.00	17.80	32.23	50.03	54.00	-3.97	V	AVG
11590.00	18.53	23.43	41.96	54.00	-12.04	Apole H W	AVG
17385.00	18.70	32.23	50.93	54.00	-3.07	nbotell H	AVG

Remark:

- 1. Result =Reading + Factor
- 2. Only record the worst data 802.11ax(HEW40) in the report.



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APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_RF

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report -----

