

FCC ID: P2F-FD9988 18220WC40090801 Page 1 of 35 Report No.:

FCC Test Report

Applicant Drift innovation Ltd

The Light Box Unit 125, 111 Power Road, London, W4 5PY, United Kingdom **Address**

Product Name X5 Mini

: Jun. 11, 2024 **Report Date**



ce Laboratory Limited







Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 2 of 35

Contents

1 Cotek								· ek
i. Genei	ral Information	,077	otek	Noboder.	Mpose	-ek	-10016K	Auton
1,101.	Client Information Client Information Description of Device Auxiliary Equipment U Operation channel list Description of Test Mo Measurement Uncerta Test Summary Description of Test Fa Disclaimer	water	PUPO.	NO.	y,	P.		?to _{d//}
1.2.	Description of Device	(EUT)	ot [©]		.eX	opolek	Pupo,	
1.3. 1.1	Operation channel list	sea During	iest	k	,α	, stek	vupater	
1.5	Description of Test Mo	odes A	box	Yor.	sobotek.	VUON:		iek D
	Measurement Uncerta	ainty	k Aup	·····	pr. Lotek	apporte	Vur	
1.7.	Test Summary	, b//.	/9/	"po _{ter}	Anba		ie _k bi	/po8
Anb 1.8.	Description of Test Fa	cility			Aupore	Vu.		oter
1.9.	Disclaimer		boje		k upo	kej;	'ρ ₀ '''''	
p.1.10	. rest ⊑quipinent List.	rek	, abolek	PUPOL		~otek	Aupolei	
2. Condi	ucted Emission at AC p	power line	Air.	anb	24256	'o.'		12
otek 2.1,	EUT Operation	Volek	Aupe,		botek	Popore	VII.	ئِلِئر
2.2.	Test Setup	K ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		D. C.	16k	atek	Pupo,	12
2.3.	Test Data	,4 <i>1</i> 122	*ek	7010K	Yupo,		Ek DU	131
3. Duty 0	Description of Test Far Disclaimer	otek pob	D. P.		Ariboren	Anbe		1
3.1.	EUT Operation	-Yay	obotek	Anby		ek An	por	1:
3.2.	Test Setup	upo.		-upote.	P.U.P.		-7/30,tek	<u>An</u> bo. 1
3.3.	Test Data	Alpoyer A	Anu		iek pol	00,	br.	1td _{///}
4. Maxin	num conducted output	power	Vupo,	<i>b</i> 11	kek	Rupoter.	Ano	10
4.1	EUT Operation	bi.,	. anbo	Yer A	up.	abotek	Anbor	11
4.2.	Test Setup	And	//	otek	Vupo,	27,	7	
4.3.	Test Data	Hek Hope	V. VI	····· ^{2/6} / _{/-} ····		Aupo,		16
5. Power	r spectral density EUT Operation Test Setup		botek	Vupo.		1724 45	oge.	17
5.1	FUT Operation							Anbo.
5.2.	Test Setup	VUpoler.	VI.,α _K	o	ier Vur		, otek	1 ¹
- h 3	Lest Data							. 1.
6. Emiss	sion bandwidth and occ	cupied band	width	er. Vi	'n	botek	Anboro	18
6 1	FLIT Operation	Anbo	ak .	potek	Anbor	Vie.	k vup	o ^{ter}
6.2	Test Setup	iek Yupo,	······	7.6/r	*Stodar	VUPA.		19
7. Band	Test Data	ated)	hotek	Anboter	AUF	.e.Y	opotek	Anbo. 20
Anbo	EUT Operation	Anbore	An-	hode	ek Aup	-/r	hotek.	Anbore
7.1. 7.20	Test Setup	borek	PUPO!		otek	'upoker	FUA.	21
7.3.	Test Data	K. Yek	^h odo,	Αn		, botek	Anbo	2
8 Undes	sirable emission limits	(below 1GH:	z)					26
o. Olides		(POIOW 1011)	-)	rek	anbotek	Anbo		hotek o
8.1.	EUI Operation		ek	Y4/00,	-otev	W.P.	.4	28
8.3	Test Data		otek	AUPO46K		.e.\	abo ^{tel} t	20
0.0. 0.11nda	pirable emission limits	(above 1CL)	And	-bote	anbo Anbo	, , , , , , , , , , , , , , , , , , ,	otek	Aupole o
y. Undes	sirable emission limits	(above TGH)	∠)otë		ojek oj	nb ^o rek	-Vup	3
9.1.	EUT Operation	VUr	746	100	, P		pote.	33







Report No.: 1822000C40090801	FCC ID: PZF-FD9988	Page 3 of 35
9.2. Test Setup	Anbotek Anbotes Anb	, unbotek
9.3. Test Data	Mary Managores Aug.	
APPENDIX I TEST SETUP PHOTOGRAPH	And hotek And	
APPENDIX II EXTERNAL PHOTOGRAPH	isk Vupor VIII.	boten And 35
APPENDIX III INTERNAL PHOTOGRAPH	r Pupo,	35





Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 4 of 35

TEST REPORT

Applicant : Drift innovation Ltd

Manufacturer : Driftsee Creative Co., Ltd

Product Name : X5 Mini

Test Model No. : FD9988

Reference Model No. : N/A

Trade Mark : N/A

Rating(s) : Input: 5V=0.9A (with DC 3.7V, 1500mAh battery)

47 CFR Part 15E

Test Standard(s) : ANSI C63.10-2020

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

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.

Date of Receipt:	May 06, 2024
Anborek Anborek Anbore	Anborek Anborek Anborek
Date of Test:	May 06, 2024 to May 17, 2024
Anborek Anborek Anbore	otek Anbotek Anbo
	Nian xiu Chen
Prepared By:	no ter anbore Anbo Ak borek
	(Nianxiu Chen)
Anbotek Anbote An	Anotek Anborek Anbor An borek
	Idward pan
Approved & Authorized Signer:	Her DAnor Lock Anbore And
	(Edward Pan)







Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 5 of 35

Revision History

Report Version		Description	Issued Date		
	Anbore R00 potek An	Original Issue.	Jun. 11, 2024		
3	Anbotek Anbotek	Anbotek Anbotek Anbotek	Anbotek Anbotek Ant		
10	or Anbotek Anbotek	Anbotek Anbotek Anbot	tek Anbotek Anbotek		





Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 6 of 35

1. General Information

1.1. Client Information

	A (1)*	V-	No. M.
	Applicant	:	Drift innovation Ltd
χε /	Address		The Light Box Unit 125, 111 Power Road, London, W4 5PY, United Kingdom
1	Manufacturer	:	Driftsee Creative Co., Ltd
/	Address		RM813, YangGuang YueHai building, Keji South 1st Road, Nanshan District, Shenzhen, GuangDong, China
F	actory	:	Driftsee Creative Co., Ltd
	Address	:	RM813, YangGuang YueHai building, Keji South 1st Road, Nanshan District, Shenzhen, GuangDong, China

1.2. Description of Device (EUT)

-10 A IIV		
Product Name	:	X5 Mini
Test Model No.	:	FD9988
Reference Model No.	:	N/A Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Trade Mark	:	N/A Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	AC120V/60Hz; DC 3.7V Battery
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A hotek Anbotek Anbotek Anbotek Anbotek
RF Specification		
Operation Frequency	:	802.11a/n(HT20)/ac(VHT20): U-NII Band 3: 5745MHz to 5825MHz; 802.11n(HT40)/ac(VHT40): U-NII Band 3: 5755MHz to 5795MHz; 802.11ac(VHT80): U-NII Band 3: 5775MHz
Number of Channel		802.11a/n(HT20)/ac(VHT20): U-NII Band 3: 5; 802.11n(HT40))/ac(VHT40): U-NII Band 3: 2; 802.11ac(VHT80): 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)
Antenna Type	:	PCB Antenna
Antenna Gain(Peak)	:	2.28dBi
KOL IV.		The state of the s

Remark:

- (1) All of the RF specification are provided by customer.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.







FCC ID: P2F-FD9988 Report No.: 18220WC40090801 Page 7 of 35

1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
Xiaomi 33W adapter	Xiaomi	MDY-11-EX	SA62212LA04358J

1.4. Operation channel list

Operation Band: U-NII Band 3

Bandwidth:	20MHz	Bandwidth:	40MHz	Bandwidth:	80MHz
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745 Anbol	151	5755	Anbore 155 Anb	otek 5775, botek
153	5765	oo ^{tek} 159×100	5795	Anboise An	botek / Anbote
157	5785	Anborek / Anbor	rek / nborek	Aup of	hotely Anb
botek 161 Anbote	5805	Anbotek Ant	otek / nboth	k Woods	Vier Polek
nabotek 165 Anbot	5825	Anbytek	Ando otely ant	Josek / Anbore	k abotek

1.5. Description of Test Modes

Pretest Modes	Descriptions				
otek Anbor Anborek Anborek Anborek Anbore	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	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.				
ootek Anbotek Anbotek	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.				



Hotline



Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 8 of 35

1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB
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.

1.7. Test Summary

Test Items	Test Modes	Status
Conducted Emission at AC power line	Mode1,2,3	P
Duty Cycle	Mode1,2,3	P An
Maximum conducted output power	Mode1,2,3	P.
Power spectral density	Mode1,2,3	Anbo, Pack
Emission bandwidth and occupied bandwidth	Mode1,2,3	AUD OF
Band edge emissions (Radiated)	Mode1,2,3	P
Undesirable emission limits (below 1GHz)	Mode1,2,3	P AUD
Undesirable emission limits (above 1GHz)	Mode1,2,3	P
Note: P: Pass	hootek Anbotek	Anbotek

N: N/A, not applicable







Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 9 of 35

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.





FCC ID: P2F-FD9988 Report No.: 18220WC40090801 Page 10 of 35

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
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
30t	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	Alootek	Auport Losek
4	EMI Test Receiver	Rohde & Schwarz	ESPI3	100926	2023-10-12	2024-10-11

Duty Cycle

Maximum conducted output power

Power spectral density
Emission bandwidth and occupied bandwidth

Emis	Emission bandwidth and occupied bandwidth			70°	b.,	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 _{An} l	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A N/O	2023-10-16	2024-10-15
2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
34	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
An4ote	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-02-22	2025-02-21
5,00	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

www.anbotek.com.cn

400-003-0500



Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 11 of 35

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	edge emissions (Ra sirable emission limi		Anbotok	Anborek	Anbore	V
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
nbole 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

Unde	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		
40tel	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11		
5.nb	EMI Test Software EZ-EMC	SHURPLE	N/A nbor	N/A door	V Vupo	k Anbotek		





Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 12 of 35

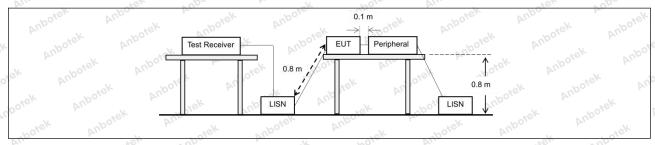
2. Conducted Emission at AC power line

Test Requirement:	47 CFR Part 15.207(a)	ek hotek Ant	Jose Aug Otek
Yun Volek	Frequency of emission (MHz)	Conducted limit (dBµV) bojek Anbo
	And Andrew And	Quasi-peak	Average
L botek Anbo	0.15-0.5	66 to 56*	56 to 46*
Test Limit:	0.5-5 And	56	46 20010
	5-30 And And	60 Potek Wupo,	50
otek Anbotek	*Decreases with the logarithm of the	ne frequency.	V Vupo.
Test Method:	ANSI C63.10-2020 section 6.2	Aug.	otek Anbote

2.1. EUT Operation

Operating Env	ironment: And tek noote And
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.
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.
otek Anbotek	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.

2.2. Test Setup



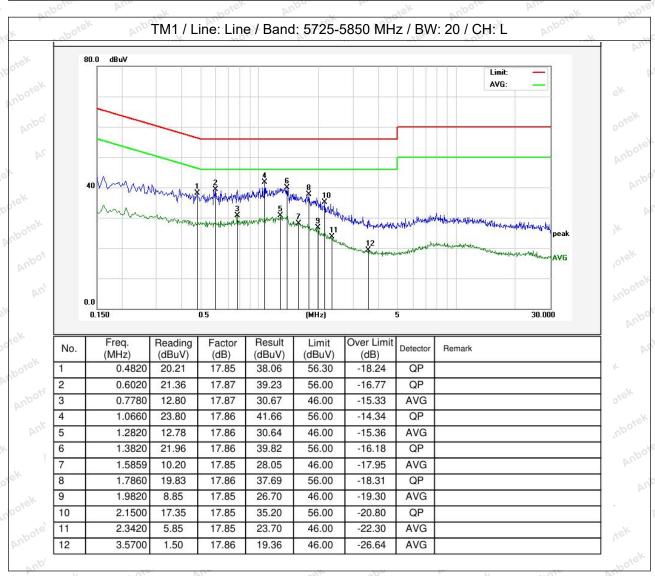




Report No.: FCC ID: P2F-FD9988 18220WC40090801 Page 13 of 35

2.3. Test Data

Temperature: 22.4 °	Humidity:	49.7 %	Atmospheric Pressure:	101 kPa
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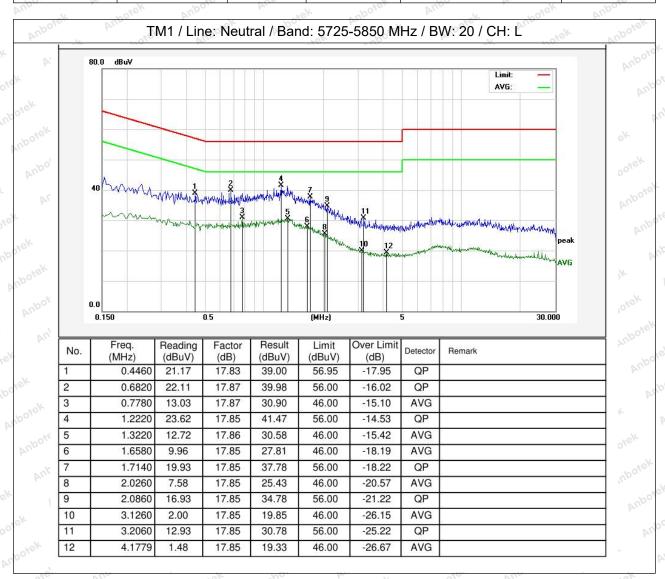






Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 14 of 35

Temperature: 22.4 °C Humidity: 49.7 % Atmospheric Pressure: 101 kPa







Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 15 of 35

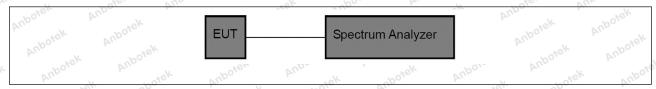
3. Duty Cycle

Test Requirement: All measurements are to be performed with the EUT transmitting duty cycle at its maximum power control level; however, if 100% cannot be achieved, measurements of duty cycle, x, and maxim transmission duration, T, are required for each tested mode of or				
Test Limit:	No limits, only for report use.			
Test Method:	ANSI C63.10-2020 section 12.2 (b)			
Anbotek Anbotek	 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. 			
Procedure:	iii) Set VBW >= RBW. iv) Set detector = peak.			
otek Aupotek Aup	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	ronment: Andrek Andrek Andrek Andrek Andrek Andrek
Test mode:	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.
ek Vupotek	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.

3.2. Test Setup



3.3. Test Data

Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 16 of 35

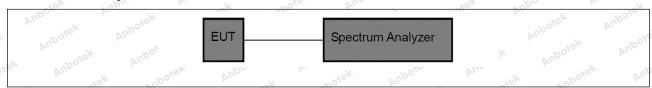
4. Maximum conducted output power

Test Requirement:	47 CFR Part 15.407(a)(3)(i)
Anbotek	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 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 12.4
Procedure:	Refer to ANSI C63.10-2020 section 12.4

4.1. EUT Operation

Operating Env	ronment: Anborek Anborek Anborek Anborek Anborek
Test mode:	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. 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.

4.2. Test Setup



4.3. Test Data

Temperature: 25.3 °C	Humidity: 48 %	Atmospheric Pressure:	101 kPa
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Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 17 of 35

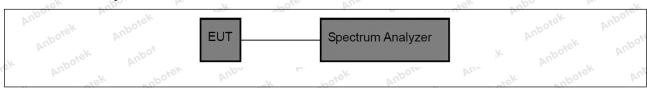
5. Power spectral density

Test Requirement:	47 CFR Part 15.407(a)(3)(i)
Anbotek	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.
Test Method:	ANSI C63.10-2020, section 12.6
Procedure:	Refer to ANSI C63.10-2020, section 12.6

5.1. EUT Operation

Operating Env	ronment: Anborek Anborek Anborek Anborek Anborek
Test mode:	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. 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.

5.2. Test Setup



5.3. Test Data

Temperature: 25.3 °C	Humidity: 48 %	Atmospheric Pressure:	101 kPa
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Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 18 of 35

6. Emission bandwidth and occupied bandwidth

Test Requirement:	U-NII 3, U-NII 4: 47 CFR Part 15.407(e)
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
Vie Viek	Occupied bandwidth:
aborek Ande	a) The instrument center frequency is set to the nominal EUT channel center
	frequency. The
	frequency span for the spectrum analyzer shall be between 1.5 times and
	5.0 times the OBW.
	b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW,
	and VBW shall be approximately three times the RBW, unless otherwise
	specified by the
	applicable requirement.
	c) Set the reference level of the instrument as required, keeping the signal
	from exceeding the
	maximum input mixer level for linear operation. In general, the peak of the
	spectral envelope
	shall be more than [10 log (OBW/RBW)] below the reference level. Specific
	guidance is given
	in 4.1.5.2.
	d) Step a) through step c) might require iteration to adjust within the
	specified range.
	e) Video averaging is not permitted. Where practical, a sample detection and
	single sweep mode
Procedure:	shall be used. Otherwise, peak detection and max hold mode (until the trace
	stabilizes) shall be
	used.
	f) Use the 99% power bandwidth function of the instrument (if available) and report the measured
	bandwidth.
	g) If the instrument does not have a 99% power bandwidth function, then the
	trace data points are
	recovered and directly summed in linear power terms. The recovered
	amplitude data points,
	beginning at the lowest frequency, are placed in a running sum until 0.5% of
	the total is reached;
Lotek Anb	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).
V ofer A	the state of the s









Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 19 of 35

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

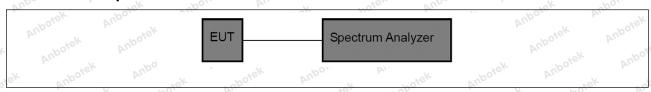
Operating Environment:

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.

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.

6.2. Test Setup



6.3. Test Data

Temperature: 25.3 °C Humidity: 48 % Atmospheric P	Pressure: 101 kPa
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Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 20 of 35

7. Band edge emissions (Radiated)

Test Requirement:	47 CFR Part 15.407(b 47 CFR Part 15.407(b			hotek anbot
Vupoter Vupo	For transmitters opera	V. 1 1/2	5-5 850 GHz ba	and.
hotek Anbor	All emissions shall be			
Aupa	above or below the ba			
ik vupote, vu	above or below the ba			
r rotek	edge increasing linear			
Joren And	below the band edge,			
otek anbore	increasing linearly to a	level of 27 dBm/MHz	at the band ed	ge.
Ande	MHz	MHz	MHz	GHz Mo
Anbotes And	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
Anbore Anbore	¹ 0.495-0.505	16.69475-	608-614	5.35-5.46
Anbo	olek Aupore Al	16.69525	Vup.	- otek
k Aupoter Aup	2.1735-2.1905	16.80425- 16.80475	960-1240	7.25-7.75
otek Anbo,	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
tek abotek	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
Anbore Anborek	4.20725-4.20775	73-74.6	1645.5- 1646.5	9.3-9.5
And ak hotel	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
Anbores Ans	6.26775-6.26825	108-121.94	1718.8- 1722.2	13.25-13.4
Anbo	6.31175-6.31225	123-138	2200-2300	14.47-14.5
tek abotek A	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
y. A. Siek	8.362-8.366	156.52475-	2483.5-2500	17.7-21.4
est Limit:	notek anbore	156.52525	potek Anbo	V vote
tek abotek	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
Aupo, Wiek	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
abotek Anbo	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
All.	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
Anbor	12.57675-12.57725	322-335.4	3600-4400	(2)
ek botek Ar	13.36-13.41	Aupore Ans	ak botek	Anbo
Yu. Vir.	Spoter And			
hotek Anbor	¹ Until February 1, 1999	9, this restricted band	shall be 0.490-	0.510 MHz.
ill spotek	Anbo			
Anbore Ana	² Above 38.6			
Potek Vupor	Air otek anbi			
And above	The field strength of er			
Anbore And	not exceed the limits s			
ak hotek An	1000 MHz, compliance			
V. VIII	using measurement in			
otek Anbois	detector. Above 1000 I			
r zoiek	15.209shall be demon			
Aupore. Aug.	emissions. The provisi	ons in gara.sappiy to	unese measur	ements.
r. otek unboten	Except as provided els	sewhere in this subse	rt the emission	e from an
Anbo V M.	intentional radiator sha			
boier Anbe	following table:	an not exceed the field	i suengui ieveis	specified in the









Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 21 of 35

Pour VIII	Wupatek Mupo	(microvolts/meter)	distance
Aupotek Aupo	abotek Anbote	(microvoits/meter)	(meters)
potek Anbore	0.009-0.490	2400/F(kHz)	March 300
And	0.490-1.705	24000/F(kHz)	30° Anbo
Vupose, Vur	1.705-30.0	30 Notes Anbolt	30
w work and	30-88	100 **	3/port
Ando	88-216	150 **	x 3 worker
rek aboter A	216-960	200 **	orec 3 Amb
or Ar Potek	Above 960	500	otek 3 Aupoter
Anbotek Anbotek Anbotek Anbotek	intentional radiators oper frequency bands 54-72 M	paragraph (g), fundamental cating under this section shaled MHz, 76-88 MHz, 174-216 M n these frequency bands is page 15, 231, and 15, 241	I not be located in the Hz or 470-806 MHz.
tek Vupotek Vupo	In the emission table about The emission limits show	ove, the tighter limit applies a n in the above table are bas	ed on measurements
upotek Anbotek	90 kHz, 110–490 kHz an	si-peak detector except for th d above 1000 MHz. Radiated ased on measurements empl	d emission limits in
Anbotek Anbe	detector.	Ar. otek Anbotek	And sek shorek
Test Method:	ANSI C63.10-2020, sect	ion 12.7.4, 12.7.6, 12.7.7	
Anboiek Anboi	Above 1GHz:	ek Aupon k hu	k Anbores Anbo
Anb	a. For above 1GHz, the I	EUT was placed on the top o	f a rotating table 1.5
tek apoles Ar	meters above the ground	d at a 3 meter fully-anechoic	chamber. The table was
, by	rotated 360 degrees to d	etermine the position of the I	nighest radiation.
botek Anbo	b. The EUT was set 3 me	eters away from the interfere	nce-receiving antenna,
lek botek	which was mounted on the	ne top of a variable-height ar	ntenna tower.
Uupole Vue		varied from one meter to fou	
		maximum value of the field s	
Anbo		of the antenna are set to ma	
abotek Ands		mission, the EUT was arrang	
Ar. sek and	and then the antenna wa	is tuned to heights from 1 me	eter to 4 meters (for the
ek Aupo, W.	test frequency of below 3	30MHz, the antenna was tun	ed to heights 1 meter)
	and the rotatable table w	as turned from 0 degrees to	360 degrees to find the
pore And	maximum reading.	Lotek Anbored Af	ek spotek
Procedure:	e. The test-receiver syste	em was set to Peak Detect F	unction and Specified
	Bandwidth with Maximur		botek Anbore
Anbotek Anbote	f. If the emission level of	the EUT in peak mode was	10dB lower than the
w. Stek "upote	limit specified, then testing	ng could be stopped and the	peak values of the EUT
Vupo. V.		wise the emissions that did	
ok bojek Ant		y one using peak or average	
And	and then reported in a da		ak bojek A
otek nobote.		west channel, the middle cha	nnel, the Highest
	channel.	shorek Anbo	otek Anbore
		ements are performed in X, Y	Z axis positioning for
All abotek		found the X axis positioning	
Aupore Aur	case.	Anborning	An abotek
notek Anbore	12/2	res until all frequencies mea	sured was complete
Aup	Remark:	And an inoquoriolog mea	w Sale Had Complete.
k spotek Anb	300	able Loss+ Antenna Factor-	Preamn Factor
	I INLEVEL INCAU LEVELT U	avie i usst Alliellia Faciole	LIGATIO LACION
VI.		OGHz, the disturbance abov	









Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 22 of 35

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.

7.1. EUT Operation

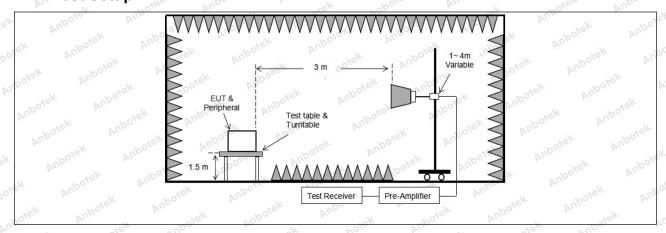
Operating Environment:

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.

7.2. Test Setup









FCC ID: P2F-FD9988 Report No.: 18220WC40090801 Page 23 of 35

7.3. Test Data

Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa	
Tomperature.	P20.0 0	i fulfillalty.	TO 70 pc	7 timosphono i ressure.	TOTAL	1

No.					. V		
		TM1 / E	Band: 5725-5	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
5725.00	38.30	16.37	54.67	74.00 M	-19.33	hotek H	Peak
5725.00	39.72	16.37	56.09	74.00	-17.91	W. Color	Peak
5725.00	29.12	16.70	45.82	54.00	-8.18	H,ek	AVG
5725.00	30.25	16.70	46.95	54.00	-7.05	AND SEK	AVG
		TM1 / B	and: 5725-58	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	39.26	17.21	56.47	68.20	-11.73	H	Peak
5850.00	39.65	17.21	56.86	68.20	-11.34	Vup A'sk	Peak
5850.00	29.23	17.21	46.44	54.00	-7.56	ANH ak	AVG
5850.00	29.22	17.21	46.43	54.00	-7.57	Kpoyer	AVG

Remark: 1. Result=Reading + Factor

		TM2 / B	and: 5725-58	350 MHz / BV	V: 20 / L	200	
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5725.00	38.28	16.37	54.65	74.00	-19.35	Hootek	Peak
5725.00	38.89	16.37	55.26	74.00	-18.74	ek V noore	Peak
5725.00	27.67	16.70 nbot	44.37	54.00 NO	-9.63	.ek H	otel ^k AVG Mario
5725.00	28.23	16.70 M	44.93	54.00	-9.07 Pr	V	AVG
		TM2 / B	and: 5725-58	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	37.50	17.21	54.71	68.20	-13.49	k Habotel	Peak
5850.00	38.08	ek 17.210000	55.29	68.20	-12.91	A A	Peak, No
5850.00	27.81	17.21	45.02	54.00	otel -8.98 Ant	H	AVG
5850.00	28.59	17.21	45.80	54.00	-8.20	inpoter A	AVG

Remark: 1. Result=Reading + Factor



Hotline



Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 24 of 35

40.	-100, by		Sign.	U_D .	40.	,00° P	
		TM2 / B	and: 5725-58	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
5725.00	37.86	16.37	54.23	74.00	-19.77	H _{upoten}	Peak
5725.00	38.77 ₀₀ 000	16.37	55.14	^{ek} 74.00 0000	-18.86	otek V Anbo	Peak
5725.00	27.15	16.70 And	43.85	54.00 pm	-10.15	H-Vator	AVG
5725.00	28.47	16.70	45.17	54.00	-8.83	V.	AVG
		TM2 / B	and: 5725-58	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
5850.00	38.22	17.05	55.27	68.20	-12.93	rek H anboi	Peak
5850.00	38.57	otel 17.05 polo	55.62	68.20 M	-12.58	× V	Peak
5850.00	28.40	17.05	45.45	54.00	-8.55	P. H	AVG
5850.00	29.46	17.05	46.51	54.00	-7.49	Anbord	AVG

Remark: 1. Result=Reading + Factor

		TM3 / B	and: 5725-58	350 MHz / BV	V: 20 / L		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
5725.00	37.48	16.37	53.85	74.00	-20.15	nbotek H	Peak
5725.00	37.58	16.37	53.95	74.00	-20.05	No Nok	Peak
5725.00	28.37	16.70	45.07	54.00	-8.93	Horiek	AVG
5725.00	29.23	16.70	45.93	54.00	-8.07	ek V pote	AVG
		TM3 / B	and: 5725-58	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	38.22	17.21	55.43	68.20	-12.77	NO HELL	Peak
5850.00	39.08	17.21	56.29	68.20	-11.91	Votek	Peak
5850.00	28.07	17.21	45.28	54.00	-8.72	H del	AVG
5850.00	29.19	17.21	46.40	54.00	-7.60 botte	Vaupo	AVG

Remark: 1. Result=Reading + Factor





Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 25 of 35

0, 17,		46. VUI	'	- N	Po. b		7,0,
		TM3 / B	and: 5725-58	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
5725.00	36.42	16.37	52.79	74.00	-21.21	AHk	Peak
5725.00	37.91	16.37	54.28	74.00	-19.72	Nupo,	Peak
5725.00	27.65	16.70	44.35 Abo	54.00	otek-9.65 M	otek H Anbo	AVG
5725.00	28.33 An	16.70	45.03	54.00	-8.97	nbotek V Ar	AVG
		TM3 / B	and: 5725-58	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
5850.00	37.75	17.21	54.96	68.20	-13.24	Hup	Peak
5850.00	38.63	17.21	55.84	68.20	-12.36	isk A Vupo,	Peak
5850.00	01e 27.77 And	17.21 And	44.98	54.00	-9.02	notek H An	AVG AVG
5850.00	27.42	17.21	44.63	54.00	-9.37	V	AVG

Remark: 1. Result=Reading + Factor

	07.	-0.7	70-		01	D/A	-0.7
		TM3 / E	Band: 5725-58	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
5725.00	ote ^k 35.68 ⊾nb ^c	16.37	52.05	74.00 And	-21.95	botek H Ant	Peak
5725.00	37.25	16.37	53.62	74.00	-20.38	Verodo	Peak
5725.00	26.75	16.70	43.45	54.00	-10.55	Hek	AVG
5725.00	27.27	16.70	43.97	54.00	-10.03	Votek	AVG
		TM3 / E	Band: 5725-58	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	37.80	17.21	55.01	68.20	-13.19	nbote H	Peak
5850.00	38.05	17.21	55.26	68.20	-12.94	N. N.	Peak
5850.00	28.25	17.21	45.46	54.00	-8.54	And Hatek	AVG
5850.00	28.42	17.21	45.63	54.00	-8.37	PV V	AVG

Remark: 1. Result=Reading + Factor





Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 26 of 35

8. Undesirable emission limits (below 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(9)	And Lek abotek And	or Ali
Anbotek Anbotek	Unwanted emissions below strength limits set forth in §	1 GHz must comply with the ge 15.209.	eneral field
yek Anbotek An		ere in this subpart, the emission t exceed the field strength levels	
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300
Test Limit:	1.705-30.0 30-88	30 100 ** 150 **	30 3
botek Anbotek	88-216 216-960 Above 960	200 **	3
	** Except as provided in pa intentional radiators operat frequency bands 54-72 MH	ragraph (g), fundamental emissi ing under this section shall not b lz, 76-88 MHz, 174-216 MHz or these frequency bands is permitt	ons from e located in the 470-806 MHz.
	In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and a	e, the tighter limit applies at the bein the above table are based on peak detector except for the frequency above 1000 MHz. Radiated emised on measurements employing	measurements uency bands 9– sion limits in
Test Method:	ANSI C63.10-2020, section	12.7.4, 12.7.5	And tek
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek 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 materials.	T was placed on the top of a rotate ta 3 meter semi-anechoic chame determine the position of the his meters away from the interfered on the top of a variable-heightried from one meter to four meter aximum value of the field strengther the antenna are set to make the	ber. The table ghest radiation. nce-receiving it antenna tower. ers above the h. Both horizonta
Procedure:	d. For each suspected emis and then the antenna was test frequency of below 300	ssion, the EUT was arranged to tuned to heights from 1 meter to MHz, the antenna was tuned to be turned from 0 degrees to 360 de	its worst case 4 meters (for the neights 1 meter)
Anbotek Anbotek Anbotek Anbotek	e. The test-receiver system Bandwidth with Maximum I f. If the emission level of the limit specified, then testing	n was set to Peak Detect Function Hold Mode. The EUT in peak mode was 10dB I Could be stopped and the peak is The stopped and the peak is the the emissions that did not ha	ower than the values of the EU









Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 27 of 35

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









Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 28 of 35

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.

8.1. EUT Operation

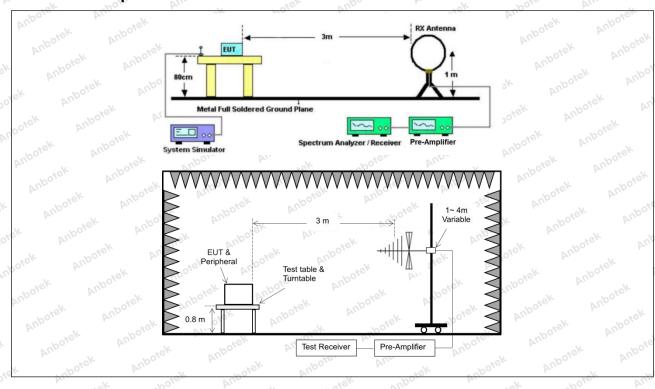
Operating Environment:

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.

8.2. Test Setup









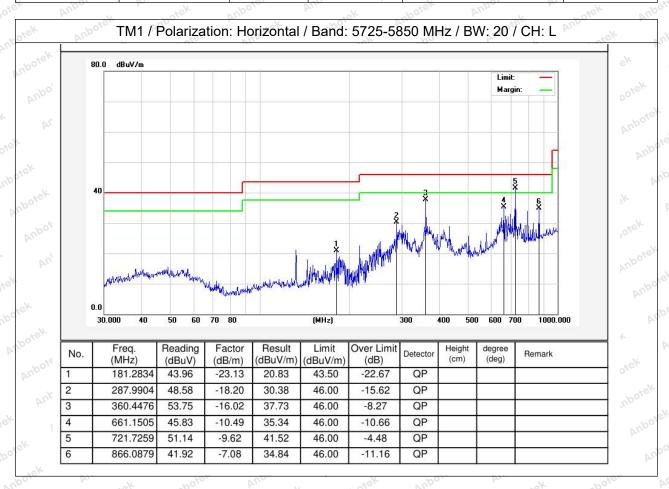


FCC ID: P2F-FD9988 Page 29 of 35 Report No.: 18220WC40090801

8.3. 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.

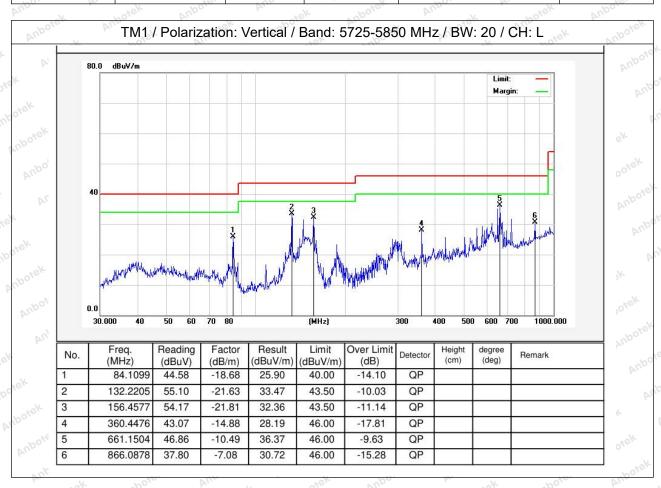
	Temperature:	25.3 °C	VUP	Humidity:	48%	Atmos	spheric Pressure:	101 kPa
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Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 30 of 35

Temperature: 25.3 °C Humidity: 48 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.







Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 31 of 35

9. Undesirable emission limits (above 1GHz)

Test Requirement:	47 CFR Part 15.407(b 47 CFR Part 15.407(b		Aupotek Vup	
Aupoier Aug	For transmitters opera	ting solely in the 5.72	5-5.850 GHz ba	ind:
"otek Anbo	All emissions shall be			
	above or below the ba			
	above or below the ba			
k hotek	edge increasing linear	ly to a level of 15.6 dE	Bm/MHz at 5 MH	Hz above or
oten And	below the band edge,	and from 5 MHz abov	e or below the l	oand edge
	increasing linearly to a	a level of 27 dBm/MHz	at the band ed	ge.
inpo k potek	MHz	MHz	MHz	GHz Moot
anboier And	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 AND OF
	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
iek aboier	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
est Limit:	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
hotek Anbore	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)
k hotek	13.36-13.41	aborek Anbo	v hoick	Auport
	rotek Aupor	A. dek abot	PUP.	k hotek
	¹ Until February 1, 199	9, this restricted band	shall be 0.490-	0.510 MHz.
Anbotek Anbotel	² Above 38.6			
	The field strength of e	missions appearing w	ithin these freat	iency bands sha
	not exceed the limits s			
Al.	1000 MHz, compliance			
	using measurement in			
	detector. Above 1000	MHz, compliance with	the emission li	mits in §
	15.209shall be demon	strated based on the	average value c	of the measured
	emissions. The provisi	ions in § 15.35apply to	o these measure	ements.
	Anbo	riek Anbore	Yu. "Sk	abotek Anbo.
	Except as provided els			
	intentional radiator sha following table:	all not exceed the field	strength levels	specified in the
	Frequency (MHz)	Field strength	10101	Measurement









Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 32 of 35

by.	<u> γαν</u> -κ ναι:	olto/motor)	dioton
Vupor bu.	(microv	olts/meter)	distance
0.000.0	400	(III) And	(meters)
0.009-0.4	The state of the s		300
0.490-1.7	- V	-(kHz)	30
1.705-30		otek Anbo.	30
30-88	100 **	to tokek	3,00,
88-216	150 **	"upote Vue	3 hotek
216-960	200 **	otek Anbore	3 Arra
Above 96	500	Aupo	tek 3 hopor
frequency However, sections of In the emiss employing 90 kHz, 12	I radiators operating unde bands 54-72 MHz, 76-88 operation within these frew of this part, e.g., §§ 15.231 ssion table above, the tight ion limits shown in the about a CISPR quasi-peak determ of the bands are based on me	MHz, 174-216 MHz of quency bands is perm and 15.241. hter limit applies at the ove table are based of ector except for the fr 00 MHz. Radiated en	or 470-806 MHz. nitted under other e band edges. on measurements equency bands 9– nission limits in
detector.	e ballus ale based on me	asurements employi	ig all average
245/6	.10-2020, section 12.7.4,	12.7.6, 12.7.7	Anbotek Anbe
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	ove the ground at a 3 me 0 degrees to determine the	er fully-anechoic cha	mber. The table was
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rotated 36 b. The EU which was c. The ant ground to and vertic d. For eac and then t test freque and the ro maximum e. The tes Bandwidth f. If the en limit speci would be would be and then r g. Test the channel. h. The rac Transmitti case. i. Repeat	of degrees to determine the T was set 3 meters away a mounted on the top of a genna height is varied from determine the maximum wall polarizations of the anterna was tuned to the antenna was tuned to ency of below 30MHz, the statable table was turned for reading. It-receiver system was set in with Maximum Hold Moon ission level of the EUT in fied, then testing could be reported. Otherwise the electrosted one by one using the electrosted in a data sheet. EUT in the lowest channal diation measurements are	ter fully-anechoic change position of the high from the interference variable-height antendone meter to four movalue of the field strength are set to make a EUT was arranged the fights from 1 meter antenna was tuned to make the peak mode was 10dle stopped and the peak peak or average meters axis positioning which was positioning	mber. The table was est radiationreceiving antenna, na tower. eters above the agth. Both horizontal the measurement. to its worst case to 4 meters (for the or heights 1 meter) degrees to find the tion and Specified B lower than the ak values of the EUT have 10dB margin ethod as specified et, the Highest exis positioning for the it is the worst
rotated 36 b. The EU which was c. The ant ground to and vertic d. For eac and then t test freque and the ro maximum e. The tes Bandwidth f. If the en limit speci would be and then r g. Test the channel. h. The rac Transmitti case. i. Repeat Remark:	of degrees to determine the T was set 3 meters away amounted on the top of a senna height is varied from determine the maximum val polarizations of the anterna was tuned to ency of below 30MHz, the statable table was turned for reading. It-receiver system was set in with Maximum Hold Moon ission level of the EUT in fied, then testing could be reported. Otherwise the erre-tested one by one using the EUT in the lowest channal liation measurements are not more to the error of the EUT in the lowest channal liation measurements are not more product.	ter fully-anechoic chaile position of the high from the interference variable-height antendone meter to four movalue of the field strend are set to make a EUT was arranged the fights from 1 meter antenna was tuned to make to Peak Detect Function 0 degrees to 360 to Peak Detect Function peak mode was 10dly stopped and the peamissions that did not be peak or average meter, the middle channed performed in X, Y, Z and axis positioning which frequencies measured.	mber. The table was est radiationreceiving antenna, na tower. eters above the agth. Both horizontal the measurement. to its worst case to 4 meters (for the o heights 1 meter) degrees to find the tion and Specified B lower than the ak values of the EUT have 10dB margin ethod as specified et, the Highest exist positioning for the it is the worst ed was complete.





2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low.





Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 33 of 35

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

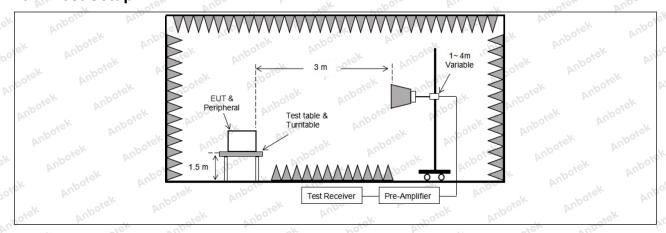
Operating Environment:

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.

9.2. Test Setup









Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 34 of 35

9.3. Test Data

Pl.	200		0	V/. 'SL	702	
Temperature: 2	5.3 °C	Humidity: 8	48 %	Atmospheric Pressure:	101 kPa	.V.

- No.	hore	DL.	76 P	70p2	No.	-hore	Ville
		TM1 / Ban	d: 5725-585	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
11490.000	28.60	23.36	51.96	68.20	-16.24 ^{MAN}	Vys	Peak
17235.000	30.00	31.97	61.97	68.20	-6.23	rupo, A	Peak
11490.000	29.14	23.36	52.50	68.20	-15.70	AupoH	Peak
17235.000	30.19	31.97	62.16	68.20	-6.04	"L'Ho _{fer}	Peak
11490.000	17.95	23.36	41.31	54.00	-12.69	Vobořek	AVG
17235.000	18.77	31.97	50.74	54.00	-3.26	V V	AVG
11490.000	18.17	23.36	41.53	54.00	12.47 And	H AM	AVG
17235.000	18.13	31.97	50.10	54.00	-3.90	hotek H Ar	AVG
		TM1 / Ban	d: 5725-5850	MHz / BW:	20 / CH: M		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11570.000	29.18	23.42	52.60	68.20	-15.60	Kupote	Peak
17355.000	29.88	32.18	62.06	68.20	-6.14	iek V nbot	Peak
11570.000	29.34	23.42	52.76	68.20	-15.44	, H	o Peak
17355.000	30.28	32.18	62.46 An	68.20	-5.74	h H	Peak
11570.000	19.219	23.42	42.64	54.00	-11.36	AnboreV	AVG
17355.000	19.092	32.18	51.27	54.00	-2.73	VUPA SK	AVG
11570.000	19.155	23.42	42.58	54.00	-11.42	Hotek	AVG
17355.000	18.506	32.18	50.69	54.00	-3.31	H	AVG
		TM1 / Ban	d: 5725-5850	0 MHz / BW:	20 / CH: H		
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11650.000	28.69	23.49	52.18	68.20	-16.02	Aups Auk	Peak
17475.000	30.12	32.39	62.51	68.20	-5.69	Anbor	Peak
11650.000	29.08	23.49	52.57	68.20	-15.63	Hoores	Peak
17475.000	29.89	32.39	62.28	68.20	-5.92	ek H _{mbote}	Peak
11650.000	18.29	23.49	41.78	54.00	-12.22	V V	AVG AND
17475.000	18.89	32.39	51.28	54.00	-2.72 M	V	AVG
11650.000	18.34 M	23.49	41.83	54.00	-12.17	Anbote H A	AVG
17475.000	18.48	32.39	50.87	54.00	-3.13	_bdf [™]	AVG

Remark:

- 1. Result =Reading + Factor
- 2. Only the worst case is recorded in the report.









Report No.: 18220WC40090801 FCC ID: P2F-FD9988 Page 35 of 35

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 -----

