

FCC Test Report

Applicant

Guangdong Nanguang Photo&Video Systems Co., Ltd.

Address

Dongli Section, Highway 324, Chenghai, Shantou City, Guangdong Province, China

Product Name : LED RGBWW Panel Light

Report Date : Apr. 23, 2024



Shenzhen Anbotek Con

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com





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Report No.: 18220WC40064001 FCC ID	; 2A2Y8-PA	VOSLIM240	CL Pag	ge 3 of 34
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TEST REPORT

Applicant :	Guangdong Nanguang Photo&Video Systems Co., Ltd.
Manufacturer :	Guangdong Nanguang Photo&Video Systems Co., Ltd.
Product Name :	LED RGBWW Panel Light
Test Model No. :	PavoSlim 240CL
Reference Model No. :	And Andrek Andorek Andorek Andorek Andorek
Trade Mark :	NANLITE And hotek Andorek Andorek Andorek
Rating(s)	Input: AC 100-240V, 50/60Hz, 260W
	FCC Part15 Subpart C, Section 15.247

Test Standard(s)

FCC Part15 Subpart C, Section 15.247 ANSI C63.10-2020 KDB 558074 D01 15.247 Meas Guidance v05r02

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:

Date of Test:

Prepared By:

Apr. 01, 2024

Apr. 01, 2024 to Apr. 15, 2024

Lang Ella

(Ella Liang)

Bolward par

(Edward Pan)

Approved & Authorized Signer:

Shenzhen Anbotek Compliance Laboratory Limited

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Revision History

Report Version		Description		lssu	ed Date	
Anbore R00 hotel	K Anbotek	Original Issue	Anbotek	Anbote Apr.	23, 2024	Anbote
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ot An Anbotek A	nboten Anb	botek Anbotek	Anbor	stek nbotek	Anboten	9 *

Anbc

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1. General Information

1.1. Client Information

Applicant	: Guangdong Nanguang Photo&Video Systems Co., Ltd.
Address	Dongli Section, Highway 324, Chenghai, Shantou City, Guangdong Province, China
Manufacturer	: Guangdong Nanguang Photo&Video Systems Co., Ltd.
Address	Dongli Section, Highway 324, Chenghai, Shantou City, Guangdong Province, China
Factory	: Guangdong Nanguang Photo&Video Systems Co., Ltd.
Address	Dongli Section, Highway 324, Chenghai, Shantou City, Guangdong Province, China

1.2. Description of Device (EUT)

Product Name	:	LED RGBWW Panel Light
Test Model No.	:	PavoSlim 240CL
Reference Model No.	:	N/A hotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Trade Mark	:	NANLITE AND AND THE AN
Test Power Supply	:	AC 120V/60Hz
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A tek anborek Anborek Anborek Anborek Anborek Anborek
RF Specification		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	40 Anbotek Anbote And botek Anbotek Anbo
Modulation Type	:	GFSK hotek Anbolek Anbolek Anbolek Anbolek
Antenna Type	:	PCB Antenna
		2.32dBi

User's Manual.

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1.3. Auxiliary Equipment Used During Test

Tit	le	Manufact	urer	Mo	odel No.		S	erial No	D.
Ar. nbotek /	Anboten	Anotek	Anbotek	Anbor	, Pr.	nbotek	Anbo	ster /	Anusote
Pr. V	Loke.	DUP		K	0.	<i>b</i>	N.	wollow.	000

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1.4. Operation channel list

Operation Band:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
v O _{Anbote}	2402	10 bot	2422	20	ex 2442,001e	30 100	2462
otek 1 Anb	2404	Jek 11	otek 2424 proo	21	ote 2444 And	oter 31 Ant	2464
botek2	2406	12	2426	22	2446	32	2466
34	2408	13	2428	23 AM	2448	33	2468
4 dotek	2410	Ant 14 tek	2430	24	2450	34	2470
5 botel	2412	15	2432	25	2452	35.10010	2472
ek 6 obc	2414.000	16	otek 2434 Linot	26 Anbo	2454	ret 36 Anor	2474
	pore 2416 pro	17	2436	otek 27 An	2456	bote ^x 37	2476
8	2418	18	2438	28	2458	38	2478
Anbo 9 ek	2420	Anbola 19	2440	29	2460	39	2480

1.5. Description of Test Modes

	Pretest Mod	es	Descriptions
Lotek	TM1	Anbo.	Keep the EUT works in continuously transmitting mode (BLE 1M)
botek	TM2	Anbo	Keep the EUT works in continuously transmitting mode (BLE 2M)

1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB botek Antooten Anto antek Anto
Occupied Bandwidth	925Hz
Conducted Output Power	0.76dB
Power Spectral Density	0.76dB
Conducted Spurious Emission	1.24dB
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

level using a coverage factor of k=2.

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1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	An Anbotek Anboter	AnvPotek
Conducted Emission at AC power line	Mode1,2	P
Occupied Bandwidth	Mode1,2	PAR
Maximum Conducted Output Power	Mode1,2	Prive Prive
Power Spectral Density	Mode1,2	Pk
Emissions in non-restricted frequency bands	Mode1,2	Anb P ek
Band edge emissions (Radiated)	Mode1,2	P
Emissions in frequency bands (below 1GHz)	Mode1,2	PAND
Emissions in frequency bands (above 1GHz)	Mode1,2	PAN
Note: P: Pass N: N/A, not applicable	Anbotek Anbotek A	nbotek

Anbote

Ank

N: N/A, not applicable

Anbo

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Anbo

Anbotek



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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

- 1. 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		re. And	lok of	rek Anbo	h. del
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
10 2 0K	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
N3001	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2024-01-17	2025-01-16
4 ^{Anl}	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A Miles	hotek / Anbot	ek Anborek

Occupied Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in non-restricted frequency bands

				C 1	20.
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	poteKN/A An	2023-10-16	2024-10-15
DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-10-12	2024-10-11
Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2024-02-04	2025-02-03
	Equipment Constant Temperature Humidity Chamber DC Power Supply Spectrum Analyzer MXA Spectrum Analysis Oscilloscope MXG RF Vector	EquipmentManufacturerConstant Temperature Humidity ChamberZHONGJIANDC Power SupplyIVYTECHSpectrum AnalyzerRohde & SchwarzMXA Spectrum AnalysisKEYSIGHTOscilloscopeTektronixMXG RF VectorAgilent	EquipmentManufacturerModel No.Constant Temperature Humidity ChamberZHONGJIANZJ- KHWS80BDC Power SupplyIVYTECHIV3605Spectrum AnalyzerRohde & SchwarzFSV40-NMXA Spectrum AnalysisKEYSIGHTN9020AOscilloscopeTektronixMDO3012MXG RF VectorAgilentN5182A	EquipmentManufacturerModel No.Serial No.Constant Temperature Humidity ChamberZHONGJIANZJ- KHWS80BN/ADC Power SupplyIVYTECHIV36051804D360 510Spectrum AnalyzerRohde & SchwarzFSV40-N101792MXA Spectrum AnalysisKEYSIGHTN9020AMY505318 23OscilloscopeTektronixMDO3012C020298MXG RF VectorAgilentN5182AMY474206	EquipmentManufacturerModel No.Serial No.Last Cal.Constant Temperature Humidity ChamberZHONGJIANZJ- KHWS80BN/A2023-10-16DC Power SupplyIVYTECHIV36051804D360 5102023-10-20Spectrum AnalyzerRohde & SchwarzFSV40-N1017922023-05-26MXA Spectrum AnalysisKEYSIGHTN9020AMY505318 232023-10-12OscilloscopeTektronixMDO3012C0202982023-10-12MXG RF VectorAgileptN5182AMY474206 2024-02-042024-02-04

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	edge emissions (Ra sions in frequency ba		Anbotek	Anbor hotel	Anbotek	Anboten
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	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2023-10-12	2024-10-11
nb.3ek	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
A400t	EMI Test Software EZ-EMC	SHURPLE	N/A	N/Aootek	Agbor	Anbotek
5An	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
7ek	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24

Emis	sions in frequency ba	ands (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
3	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
Anbo 4	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11
5	EMI Test Software EZ-EMC	SHURPLE	N/A Anbo	N/A M	potek / Anbote	tek Andrek

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2. Antenna requirement

		Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to	
		ensure that no antenna other than that furnished by the responsible party	
	Test Requirement:	shall be used with the device. The use of a permanently attached antenna or	
6	Anbo	of an antenna that uses a unique coupling to the intentional radiator shall be	
		considered sufficient to comply with the provisions of this section.	
NO	C		

2.1. Conclusion

The antenna is a PCB Antenna which permanently attached, and the best case gain of the antenna is 2.32dBi . It complies with the standard requirement.

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Test Requirement:

Report No.: 18220WC40064001 FCC ID: 2A2Y8-PAVOSLIM240CL

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3. Conducted Emission at AC power line

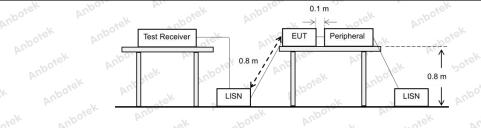
Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).

and stek anbotek	Frequency of emission (MHz)	Conducted limit (dBµV)	ek Aupo
Anbo. An otek	unboter And Lot b	Quasi-peak	Average
- wooten Anbo	0.15-0.5	66 to 56*	56 to 46*
Test Limit:	0.5-5	56	46
Aupor Ar	5-30 mbore And	60 dek pribo	50 jet
tek unbotek Ant	*Decreases with the logarithm of t	the frequency.	Anbo
Test Method:	ANSI C63.10-2020 section 6.2	Anbo tek nbotek	Anbora
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un		od for ac power-

3.1. EUT Operation

	Operating Envir	onment: 💉 💦	1001	Ar.	aboter	And		hotek	Anbo
0.46	ak Anbore	1: TX mode(BLE	1M): Keep	the EUT wo	orks in conti	nuously t	ransmittin	g mode (l	BLE
1	Test mode:	1M) 2: TX mode(BLE	2M): Keep	the EUT wo	orks in conti	nuously t	ransmittin	g mode (l	BLE
	hotek anb	2M)	abote		v pr	-otek	Anboten	AUD	

3.2. Test Setup



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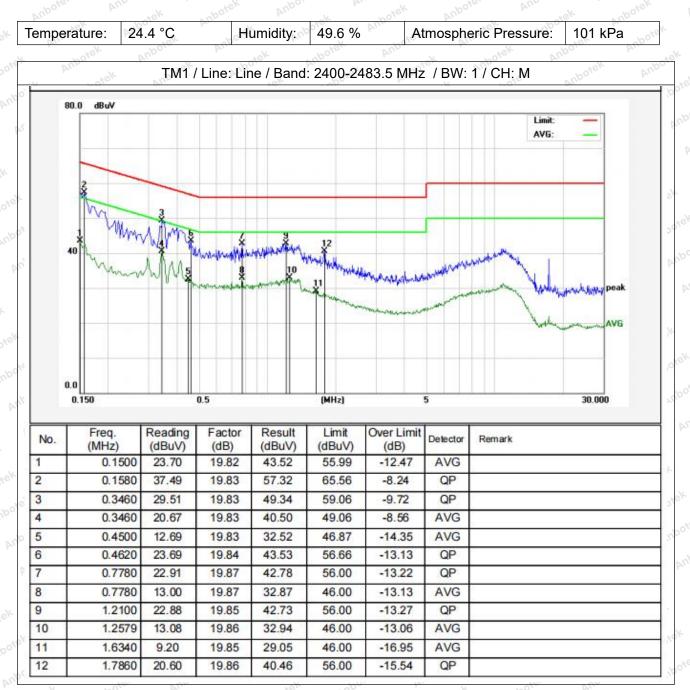
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com





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3.3. Test Data

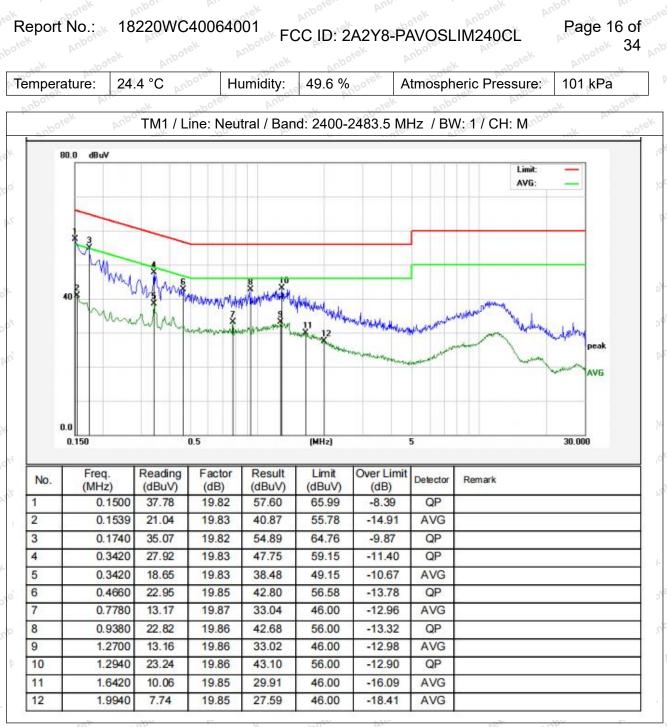


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Note:Only record the worst data in the report.

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4. Occupied Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. b) Set the VBW \geq [3 × RBW]. c) Detector = peak.
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek	 d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the
Procedure:	envelope of the spectral display, such that each marker is at or slightly below the " -6 dB down amplitude". If a marker is below this " -6 dB down amplitude" value, then it shall be as close as possible to this value.
ter Anbrek Anbotek A	11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the
Anbotek Anbotek	functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW \ge 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation function.
ek Anbotek Anbo	When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

4.1. EUT Operation

Operating Envi	ronment:	Anbor	k bi	iek Anbo	ter Ano	tek nbotek
Test mode:	1: TX mode(BLE 1M) 2: TX mode(BLE 2M)				dek	nboten Anb

4.2. Test Setup

V	L OYOK				CU.		Lotek I
Anboten		EUT		Spectrum	Analyze	r	Anbotek
Amabotek	Anboten	h. hote	k Anbote.	Ann	-xek	abotek	Anboten

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4.3. Test Data

Temperature:	24 °C	Anbor	Humidity:	49 %	Anbotel	Atmos	pheric Pre	essure:	101 kPa	over
w01-	Pri.		der ont)~	ų.	No.	nor	P.r.		20

Please Refer to Appendix for Details.

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5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Anborek Anborek Anborek Test Limit: Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2020 section 11.9.1 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power

5.1. EUT Operation

Operating Envir	onment:	And	Anbotek	Anbor	ak abotek	Anboren	Aup
Test mode:	1M)	Anboter	And		tinuously transn tinuously transn	V	10K

5.2. Test Setup

. le		EUT	Spectrum Analyzer	
20		unter Anbi	r vek aboir	

5.3. Test Data

	0.2	No.		N	No. VUN	Ac.
Temperature:	24 °C	Humidity:	49 %	Anbote	Atmospheric Pressure	- IUI KPA
10°	P.v.	101 10	0		NY NOT P	

Please Refer to Appendix for Details.

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6. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit:	Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	ANSI C63.10-2020, section 11.10 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020, section 11.10, Maximum power spectral density level in the fundamental emission

6.1. EUT Operation

0	Operating Envir	onment:	k sootek	Anbore	Anthotek	Anboten	Anbo
	Anothotek	1: TX mode(BLE 1M)	1M): Keep th	e EUT works i	in continuously	transmitting	mode (BLE
V	Test mode:	2: TX mode(BLE	E 2M): Keep th	e EUT works i	in continuously	transmitting	mode (BLE
2		2M)	upo. Ar	otek N		. As	

6.2. Test Setup

Anbotek Anbotek	EUT	 Spectrum Analy.	zer	Anbote. Anbotek	
Anbore		Anboten		K Anboten	

6.3. Test Data

Temperature:	24 °C	Humidity:	49 %	Atmospheric Pressure:	101 kPa	P.C
	· · · · · · · · · · · · · · · · · · ·		(SV)		·	

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7. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Anborek Anborek Anborek Test Limit: Anborek Anborek Anborek Anborek Anborek Anborek	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2020 section 11.11 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	ANSI C63.10-2020 Section 11.11.1, Section 11.11.2, Section 11.11.3

7.1. EUT Operation

Operating Environment:

Test mode:	W. Keen the El	holio u au alu d	
2: TX r 2M)	M): Keep the El		de (BLE

7.2. Test Setup

	EUT	Spectrum A	nalyzer
	stek nov	p	hore.

7.3. Test Data

	Q.Y.	-	N NO'			20	~ 0 P	
Temperature:	24 °C	Anbot	Humidity:	49 %	Anbore	Atmospheric Pi	essure:	101 kPa
	DL.		191	<u> </u>	1	V NOV	DV.	24

Please Refer to Appendix for Details.

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8. Band edge emissions (Radiated)

Test Requirement:	restricted bands, as defined	, In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	oly with the
otek Anbotek An	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
nboter And	0.009-0.490	2400/F(kHz)	300
notek Anbore	0.490-1.705	24000/F(kHz)	30
Anbo k sotek	1.705-30.0	30 boten Aubr	30 ^K Anbor
anboten Ano	30-88	100 ** A	3
A. otek Anbore	88-216	150 **	3 bore Ann
Anbo	216-960	200 **	3 otek onb
tek unboten Ant	Above 960	500	3 And
Test Limit: porek Anborek Anborek Anborek Anborek Anborek Anborek	intentional radiators operati frequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and a these three bands are base detector.	e, the tighter limit applies at the b in the above table are based on peak detector except for the freq above 1000 MHz. Radiated emis ed on measurements employing	e located in the 470-806 MHz. ted under other band edges. measurements uency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		potek Anbotek
Procedure:	ANSI C63.10-2020 section	6.10.5.2	
1 put	K hore An	ster and	- No 100

8.1. EUT Operation

Operating Envir	ronment:	All. hotek	Anboren	Anbe	-tek	anbotek	Anbore	ek bi
potek Anbo	1: TX mode(Bl 1M)	LE 1M): Kee	p the EUT v	vorks in co	ntinuousl	y transmit	ting mode	(BLE
Test mode:	2: TX mode(Bl	LE 2M): Kee	p the EUT v	vorks in co	ontinuousl	y transmit	ting mode	(BLE
Anbo	2M)	por Ar	ye.	aboter	AUD	N.	-otek	anboi

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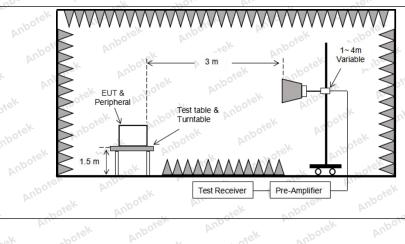




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8.2. Test Setup

PUp,



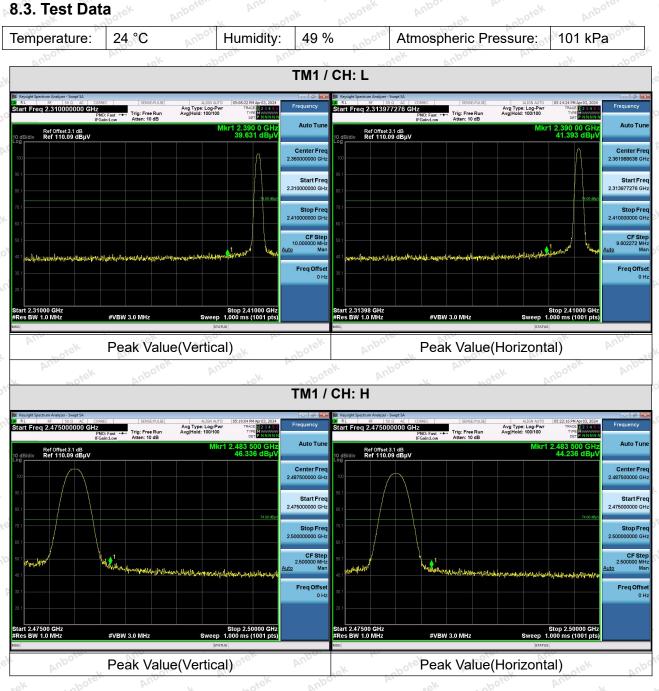
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Anboten Anbo



Remark:

 During the test, pre-scan all modes, the report only record the worse case mode.
 When the PK measure result value is less than the AVG limit value, the AV measure result values test not applicable.

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Test Requirement:	restricted bands, as defined	, In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	oly with the
Anto Antorek An	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
nbote, And	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
And k botek	1.705-30.0	30 poter Anti-	30
	30-88 NOO	100 **	3
	88-216	150 **	3 por An
And	216-960	200 **	3 otek ont
Test Limit:	Above 960	500 ket abote	3 And
		ng under this section shall not b	
	However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and a these three bands are base	z, 76-88 MHz, 174-216 MHz or hese frequency bands is permit § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emise ed on measurements employing	470-806 MHz. ted under other pand edges. measurements uency bands 9– ssion limits in
Anborek Anborek Anborek Anborek Anborek Anborek Anborek Anborek	However, operation within the sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and a	hese frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emis ed on measurements employing 6.6.4	470-806 MHz. ted under other pand edges. measurements uency bands 9– ssion limits in

9. Emissions in frequency bands (below 1GHz)

9.1. EUT Operation

Operating Envir	ronment:	An	Anboten	AUD	-xeK	abotek	Auport	"K
Test mode:	1: TX mode(BL 1M) 2: TX mode(BL 2M)	K Anbor	An		aboten	AUPC	-V - V	otek

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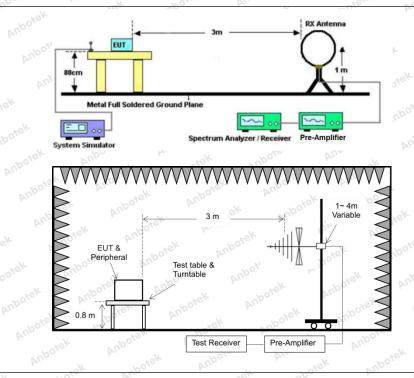
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com





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9.2. Test Setup



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9.3. Test Data

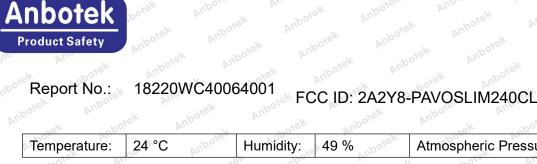
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

	rature: 2	4°C	2/1.	lumidity:	49 %		tmosph		coourc.	101 kPa	DL.
	Anbore	Ann	<u>الا</u>	nbotek	Anbu	- M	Lotek	Anb	ore	Ann	
.eX	Í _{soot} ŧŤN	11 / Polari	zation: H	Iorizontal	/ Band: 2	2400-2483	3.5 MHz	/ BW:	1 / CH:	: M Aupor	4
8	0.0 dBuV/m										
							1				
70	÷										
60	F										
50									Maron	-6 as [
40			2				_		_		
			Ĵ,ſ			¥.			- 8	6	
30	ł	it	Î.	3	tel dia ha	the the					
30	1	i. Jad N		unal And	mplanary u	MANYPHIN	W-I \$		mend		
30 20	1. 1.	1.111		MM MMM	mphining	MMMM	Whyt	man	mend		
20	MANUM	A.AMAN	AT IN	MMM NM	mphore	WANT	Wing	man	wand	h	
	MANUM	A.MMM	ATT.	MMM	mphinny	MMM	W-La	mmh	www		
20 10	MANUM	h.JMM	, MANNA	MMM	mphinery	MMMM	Wint	mman	www		
20 10	MANA	50 60	70 80	MMM NM	(MHz)	MANYA	W-1 5	MMMM	0 600 7	5 00 1000.000	
20 10	.0 30.000 40			MMM MM							
20 10 0	0 30.000 40 Freq.	Reading	Factor	Result	Limit	Over Limit		MMM 100 50 Height (cm)	degree	6 00 1000.000 Remark	
20 10 0	.0 30.000 40							Height		1	
20 10 0	.0 30.000 40 Freq. (MHz)	Reading (dBuV) 47.99	Factor 0	(dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height	degree	1	
20 10 0	.0 30.000 40 Freq. (MHz) 32.8637	Reading (dBuV) 47.99 59.61	Factor () -18.04	(dBuV/m) 29.95	Limit (dBuV/m) 40.00	Over Limit (dB) -10.05	Detector QP	Height	degree	1	
20 10 0	0 30.000 40 Freq. (MHz) 32.8637 71.2403	Reading (dBuV) 47.99 59.61 48.87	Factor () -18.04 -21.65	(dBuV/m) 29.95 37.96	Limit (dBuV/m) 40.00 40.00	Over Limit (dB) -10.05 -2.04	Detector QP QP	Height	degree	1	
20 10	Freq. (MHz) 32.8637 71.2403 115.3205	Reading (dBuV) 47.99 59.61 48.87	Factor 0 -18.04 -21.65 -18.95	(dBuV/m) 29.95 37.96 29.92	Limit (dBuV/m) 40.00 40.00 43.50	Over Limit (dB) -10.05 -2.04 -13.58	Detector QP QP QP	Height	degree	1	

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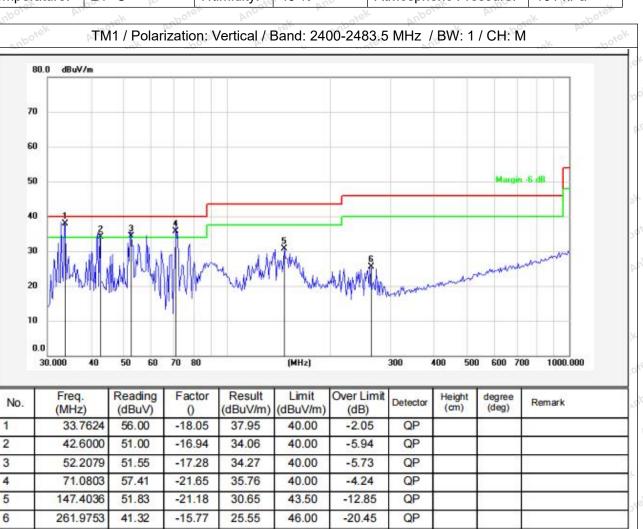




Atmospheric Pressure: 101 kPa

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Note:Only record the worst data in the report.

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Anboit All	In addition radiated emissi	ons which fall in the restricted ba	ands as defined
Test Requirement:		omply with the radiated emission	
Arne otek Anbot	in § 15.209(a)(see § 15.205		Anbote: Ano
an Augurat at	Frequency (MHz)	Field strength	Measurement
otek Anbote. An	ek botek Anb	(microvolts/meter)	distance
out his sotek	whore Ant Lak	botek Anbo v sotek	(meters)
nboten Anor	0.009-0.490	2400/F(kHz)	300 Jotek
A. stek Anbote.	0.490-1.705	24000/F(kHz)	30
Anbo K hotek	1.705-30.0	30 boten Auto	30 ^K Anbor
anboten Anbo	30-88	100 **	3
An otek unbote	88-216	150 **	3 bote Ant
Anbo K	216-960	200 **	3 stek ont
tek suboten And	Above 960	500 ket aboten	3 And
Test Limit:	** Except as provided in pa	ragraph (g), fundamental emissi	ons from
boten Anbe		ing under this section shall not b	
arek unboter		z, 76-88 MHz, 174-216 MHz or 4	
Anbo, k hotek		hese frequency bands is permitt	ed under other
nboten Anbe	sections of this part, e.g., §		ov k hotel
Ar. stek Anbore		e, the tighter limit applies at the b	
anbo h		in the above table are based on	
tek aboten Anb		beak detector except for the freq	
ar Ar stek		above 1000 MHz. Radiated emis	
botek Anbo	detector.	ed on measurements employing	an average
tek nboten	All'	Aupor All tek abor	and Aug
Test Method:	ANSI C63.10-2020 section		
poten Anbo	KDB 558074 D01 15.247 N	ieas Guidance VU5rU2	1 Lozek
Procedure:	ANSI C63.10-2020 section	6.6.4	
	V NOT DI	20°	V

10. Emissions in frequency bands (above 1GHz)

10.1. EUT Operation

Operating Envir	onment:	Amorek	Anboten	Aup	-:ek	abotek	Anbore	-K Pr
Test mode:	1: TX mode(BL 1M) 2: TX mode(BL	K Anbor	An			AUDO	- M	Lotek
Anbo	2M) M	ore. An	.eK	abotek	Anbo	V	-otek	Anbore

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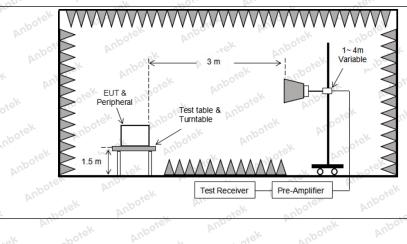




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10.2. Test Setup

PUp,



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Anbi





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10.3. Test Data

Temperature:	24 °C	Humidity:	49 %	Atmospheric	Pressure:	l01 kPa
Anbore	Pun "ek	abotek Ant		otek Anbot	a. Plan	ek abot
			TM2 / CH: L			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarizatior
4804.00	28.24	15.27	43.51	74.00	-30.49	Vertical
7206.00	28.35	18.09	46.44	74.00	-27.56	Vertical
9608.00	29.12	23.76	52.88	74.00	-21.12	Vertical
12010.00	abottek	Anbor	to tek	74.00 M	to the	Vertical
14412.00	k wotek	Anboten	And	74.00	wpor Ar.	Vertical
4804.00	27.93	15.27	43.20	74.00	-30.80	Horizontal
7206.00	28.79	18.09	46.88	74.00	-27.12	Horizontal
9608.00	28.02	23.76	51.78	74.00	-22.22	Horizontal
12010.00	wotek *	poter And	ek ab	74.00	Att	Horizontal
14412.00	Ant *k	abotek A	No. b.	74.00	ster And	Horizontal
Average value:	:					
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	16.51×100	15.27	31.78	54.00	-22.22	Vertical
7206.00	17.40	18.09	35.49	54.00	-18.51	Vertical
9608.00	18.59	23.76	42.35	54.00 M ⁰⁰	-11.65	Vertical
12010.00	Anbo *	botek	Anboro Ar	54.00	botek Aup	Vertical
14412.00	Ante	Annastek	Anbotet	54.00	abotek A	Vertical
4804.00	16.26	15.27	31.53	54.00	-22.47	Horizontal
7206.00	17.82	18.09	35.91	54.00	-18.09	Horizontal
9608.00	17.53	23.76	41.29	54.00	-12.71	Horizonta
12010.00	Aupore * Aup	stek ant	potek Anbo	54.00	ek Anboter	Horizonta
14412.00	anbote*	upu ok	botek An	54.00	tek nbo	Horizonta

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TM2 / CH: M

Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880.00	27.79	15.42	43.21	74.00	-30.79	Vertical
7320.00	28.32	18.02	46.34	74.00	-27.66	Vertical
9760.00	28.62	23.80	52.42	74.00	-21.58	Vertical
12200.00	* Arri	tek unbotet	Anbo	74.00	Anbore	Vertical
14640.00	poter * Anb	ek ab	tek Anbor	74.00	k Anboter	Vertical
4880.00	27.74	15.42	43.16	74.00	-30.84	Horizontal
7320.00	28.66	18.02	46.68	74.00 M	-27.32	Horizontal
9760.00	27.74	23.80	51.54	74.00	-22.46	Horizontal
12200.00	A9.	abotek.	Anbore	74.00	Anboter	Horizontal
14640.00	sk *Aupor	k pittingtek	Anboten	74.00	abotek	Horizontal

Average value:

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	16.60	15.42	32.02	54.00	-21.98 PM	Vertical
7320.00	17.26	18.02	35.28	54.00	-18.72	Vertical
9760.00	18.44	23.80	42.24	54.00	-11.76	Vertical
12200.00	tek * nbot	sk Aupo	ak botek	54.00	Ant	Vertical
14640.00	*	otek Anbor	An	54.00	Anbo	Vertical
4880.00	16.37	15.42	o ^{oten} 31.79 ^{Ande}	54.00	-22.21	Horizontal
7320.00	18.17	18.02	36.19	54.00		Horizontal
9760.00	17.83	23.80	41.63	54.00	-12.37	Horizontal
12200.00	* botek	Anbore	Annotek	54.00	Anbo	Horizontal
14640.00	*	k Aupoten	Anoc	54.00	Anbore	Horizontal

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		٦	ГМ2 / СН: Н			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.92	15.58	43.50	74.00	-30.50	Vertical
7440.00	28.48	17.93	46.41	74.00	-27.59	Vertical
9920.00	29.32	23.83	53.15	74.00	-20.85	Vertical
12400.00	er * Aupo	latode to	Anboro	74.00	Anbotek	Vertical
14880.00	ootek * Anbo	Put Put	tek Anbore	74.00	k sootek	Vertical
4960.00	27.88	15.58 M	43.46	74.00	-30.54	Horizontal
7440.00	28.87	17.93	46.80	74.00	-27.20	Horizontal
9920.00	28.12	23.83	51.95	74.00	-22.05	Horizontal
12400.00	Artore	Alth	Anboten	74.00	botek	Horizontal
14880.00	sk * nboten	Anbo	-botek	74.00	Ali	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	17.72	15.58	33.30	54.00	-20.70	Vertical
7440.00	18.53	17.93	36.46	54.00	-17.54	Vertical
9920.00	19.09	23.83	42.92	54.00	-11.08	Vertical
12400.00	*	sk anborer	Anbe	54.00	Anborn	Vertical
14880.00	oter * And	topot	ek Anbor	54.00	Anboten	Vertical
4960.00	17.55	15.58	33.13 m ²⁰	54.00	-20.87	Horizontal
7440.00	18.97	17.93 AT	36.90	54.00 MO	-17.10	Horizontal
9920.00	17.98	23.83	41.81	54.00	-12.19	Horizontal
12400.00	Aux ***	abotek	Anbor	54.00	Anboten A	Horizontal
		1833	1. (2. V			

Remark:

1. Result =Reading + Factor

 "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

3. Only the worst case is recorded 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 ----

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