

FCC Test Report

Guangdong Nanguang Photo&Video Systems Applicant

Co., Ltd.

Dongli Section, Highway 324, Chenghai, **Address**

Shantou City, Guangdong Province, China

LED RGBW Spot Light Product Name

Report Date Nov. 05, 2024

Shenzhen Anbotek



Anbolek

Compliance Laboratory Limited







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Report No.:1812C40106112501 FCC ID: 2A2Y8-FC120C

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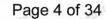
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TEST REPORT

Applicant : Guangdong Nanguang Photo&Video Systems Co., Ltd.

Manufacturer : Guangdong Nanguang Photo&Video Systems Co., Ltd.

Product Name : LED RGBW Spot Light

Model No. : FC-120C

Trade Mark : NANLITE

Rating(s) Input of LED RGBW Spot Light: AC100-240V, 50/60Hz, 145W

Output of LED driver: DC 24V, Max. 6.25A, 150W

47 CFR Part 15.247

Test Standard(s) : KDB 558074 D01 15.247 Meas Guidance v05r02

ANSI C63.10-2020

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.

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Revision History

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upotek	Report Version	Description	Issued Date
Anbe	R00 Anbotek	Original Issue.	Nov. 05, 2024
1	Aupotek Aupote Wolek Williams	k Vupoper Yupopek	Vupolek Vupo
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1. General Information

1.1. Client Information

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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)

	Lek 100 K Pole V
:	LED RGBW Spot Light
:	FC-1200 nbotek Anbotek Anbotek Anbotek Anbotek
•	NANLITE And Loke Andores Andores Andores Andores
:	AC 120V/60Hz for Adapter
:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
:	Model: EA11301K-240 Input: 100-240VAC, 2.5A, 50-60Hz Output: 24.0V 6.25A, 150.0W
:	2402MHz to 2480MHz
:	40 Lotek Anborek Anbo
:	GFSK Anbotek Anbotek Anbotek Anbotek
:	PCB Antenna
:	2.32dBi And Andotek Andotek Andotek Andotek Andotek
	: : : : : : : : : : : : : : : : : : : :

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.









Report No.:1812C40106112501 FCC ID: 2A2Y8-FC120C

1.3. Auxiliary Equipment Used During Test

N.	Title Manufacturer		Model No.	Serial No.	
	rek unforek An	por Al porek	Aupoter Aug	Aupotek / Aupo	

1.4. Operation channel list

1.4. Opera	ation chann	el list	Anboiek	Aupore	Anbotek.	Anbore	And
Operation B	and:	Anbor	w.	Aupole.	Ans . o'	ick ant	otek Anbe
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
O Anbore	2402	10	10012 AT	20	2442	Anb 30	2462
tek 1 An	o ^{tek} 2404 Anh	11	2424	Anb 21	2444	310101	2464
2	2406	Anbout 12	2426	22	2446	32 _{Anb} ol	2466
3 Pek	2408	M13	2428	23, 10016	2448	tek 33 An	2468
And 4	2410	14 ^{nbote}	2430	ek 24 Ant	2450	34	2470
5	2412	15 Anbc	2432	, 10°25	2452	35	2472
6 Anbo	2414	polek 16	2434	26	2454	And 36	2474
otek 7 A	2416	, nbo 17	2436	27 tek	2456	37	2476 nove
Anbore 8	2418	18	2438	28	2458	38 And	2478
Ant 9 tek	2420	19 potel	2440	29	016×2460 Ant	orek 39 A	2480

1.5. Description of Test Modes

upo,	Pretest Modes	Descriptions
Vi	hotek ATM1	Keep the EUT works in continuously transmitting mode (BLE 1M)
P	TM2	Keep the EUT works in continuously transmitting mode (BLE 2M)









1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB And
Occupied Bandwidth	925Hz Andrew Andrew
Conducted Output Power	0.76dB
Power Spectral Density	0.76dB Anbotek Anbotek
Conducted Spurious Emission	1.24dB Anbotet And
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
Radiated emissions (Below 30MHz)	3.53dB Anbotek Anbotek Anb
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 4.46dB; Vertical: 5.04dB

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
Antenna requirement	e Anbo	nbotek P
Conducted Emission at AC power line	Mode1,2	$^{\nu \nu \rho}\mathbf{E}_{k}$
Occupied Bandwidth	Mode1,2	Photok
Maximum Conducted Output Power	Mode1,2	P _{anb} o'
Power Spectral Density	Mode1,2	Nek P
Emissions in non-restricted frequency bands	Mode1,2	P
Band edge emissions (Radiated)	Mode1,2	Anba Pick
Emissions in frequency bands (below 1GHz)	Mode1,2	Aup D Fek
Emissions in frequency bands (above 1GHz)	Mode1,2	P
Note: P: Pass N: N/A not applicable	Vupotek Vupok	Porek Vup.









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.

Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, 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.
 - 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.





1.10. Test Equipment List

Cond	ucted Emission at A0	C power line	Anbolek	And otek	Anbotek	Vupo, rek
Item	Item Equipment Manufacturer		Model No.	Serial No.	Last Cal.	Cal.Due Date
10k	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2024-01-18	2025-01-17
,200°	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
3	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	Ann	Aupliek
4	EMI Test Receiver	Rohde & Schwarz	ESPI3	100926	2024-09-09	2025-09-08

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

	JON AV J	. V		. 10	760.	. VII.
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 ootek	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A	2024-10-14	2025-10-13
Anb re	DC Power Supply	IVYTECH	IV3605	1804D360 510	2024-09-09	2025-09-08
3,1	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
4	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-09-09	2025-09-08
5	Oscilloscope	Tektronix	MDO3012	C020298	2024-10-10	2025-10-09
100 G	MXG RF Vector Signal Generator	Anbore Agilent Anbore	N5182A	MY474206 47	2024-02-04	2025-02-03

	edge emissions (Ra sions in frequency ba		Inpolek A	upo.	Aupotek.	Vupore, Viek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
kek 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	2024-01-17	2025-01-16
3 ₀ 0	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
4 🔊	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Auporen Pek	Andarotek
5	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2024-01-22	2027-01-21
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
Anbore 7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2024-05-07	2025-05-06







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Emis	sions in frequency b	ands (below 1GHz)	inpose '	"olek	Aupolen	Yun Tek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
_e 1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
2,4	Pre-amplifier	SONOMA	310N	186860	2024-01-17	2025-01-16
3	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
4	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2024-09-12	2025-09-11
5	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A N/A	Wookek	Anbo

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2. Antenna requirement

Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to Test Requirement:

ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be

considered sufficient to comply with the provisions of this section.

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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Report No.:1812C40106112501 FCC ID: 2A2Y8-FC120C

3. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator to public utility (AC) power line, the raback onto the AC power line on an band 150 kHz to 30 MHz, shall not measured using a 50 µH/50 ohms (LISN).	that is designed to be con adio frequency voltage that y frequency or frequencie exceed the limits in the fo	nected to the at is conducted as, within the collowing table, as
upotek Anbore	Frequency of emission (MHz)	Conducted limit (dBµV)	Aupa
A. OK	oker, Vun	Quasi-peak	Average
ekabole Air	0.15-0.5	66 to 56* 10°	56 to 46*
Test Limit:	0.5-5	56 And	46 nbo
Potek Aupor	5-30 or Anhors	60 Notes A	50
Jiek Wupotek	*Decreases with the logarithm of th	ne frequency.	Aupole, Aug
Test Method:	ANSI C63.10-2020 section 6.2	Auporer, Yun	unpoiek b
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from unli		od for ac power-

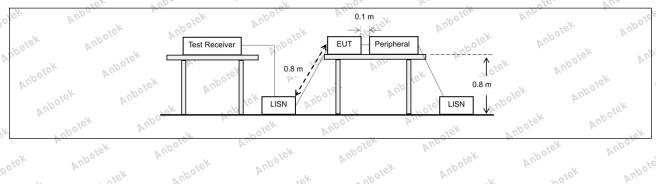
3.1. EUT Operation

	Operating En	vironment:	nbotek	Aupolo	hotek	Aupole,	Vup
U.O.	-potek	1: TX mode(BLE 1M)	1M): Keep the I	EUT works in	continuously trar	smitting mod	le (BLE ^{ndo}
	Test mode:	2: TX mode(BLE 2M)	2M): Keep the I	EUT works in	continuously trar	smitting mod	le (BLE

3.2. Test Setup

Aupolek

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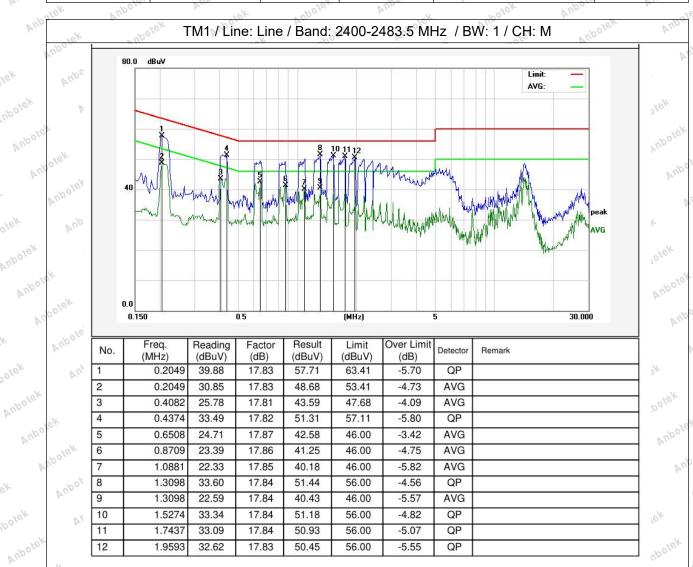


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3.3. Test Data

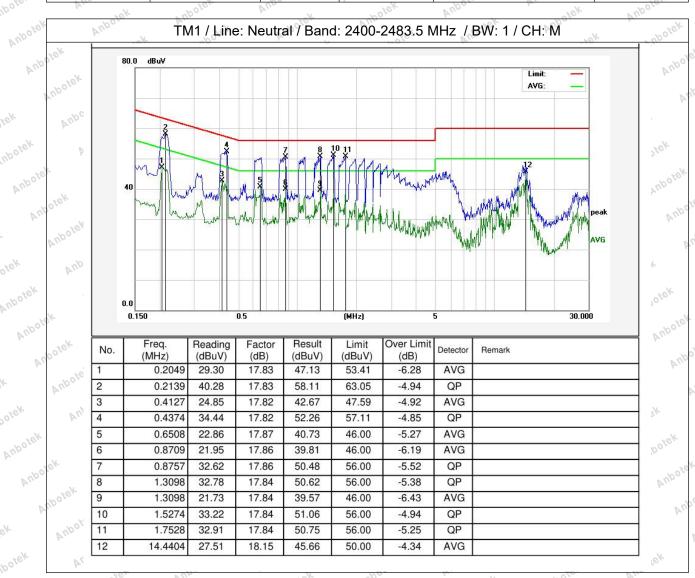
Temperature: 23.4 °C Humidity: 55 % Atmospheric Pressure: 101 kPa







Temperature: 23.4 °C Humidity: 55 % Atmospheric Pressure: 101 kPa







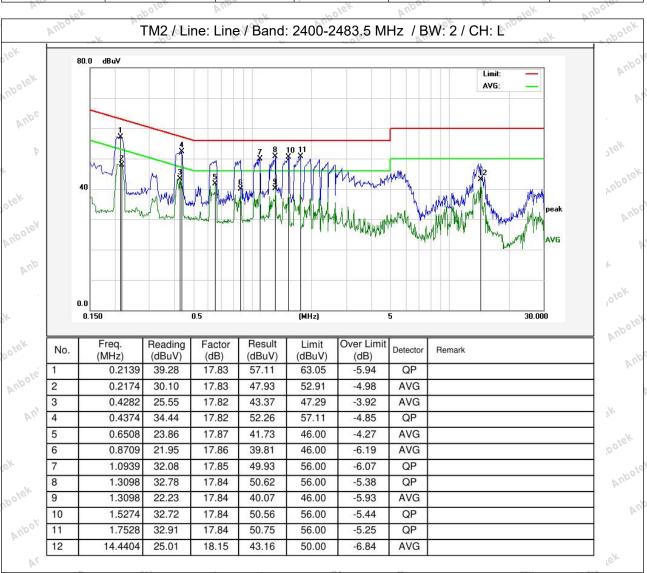
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Anbolek

Aupc

Report No.:1812C40106112501 FCC ID: 2A2Y8-FC120C

Temperature: 23.4 °C Humidity: 55 % Atmospheric Pressure: 101 kPa

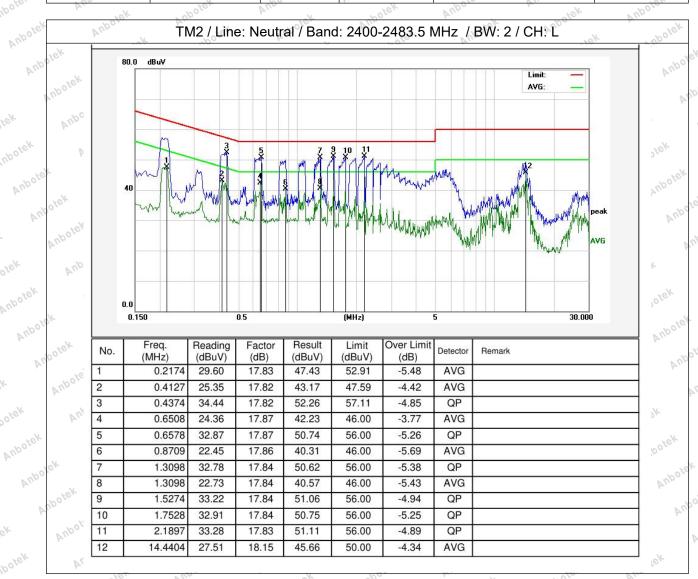








Temperature: 23.4 °C Humidity: 55 % Atmospheric Pressure: 101 kPa







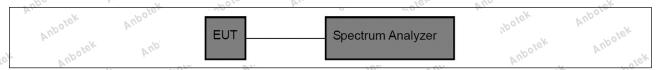
4. Occupied Bandwidth

And	tek vipo k hou by
Test Requirement:	47 CFR 15.247(a)(2)
Test Limit: Notek	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
Aupolek Aupole	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.
otek Aupotek	 b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold.
Aupotek Vupoter	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.
Aupotek Aupotek	11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be
Anbotek Anbot	employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation function.
upotek Vupotek	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 Envir	onment:	Aupole	V	rek	Aupolen	Aup	· Upolek
X	Anbore	1: TX mode(B	LE 1M): Ke	ep the EU	Γ works in	continuous	y transmit	ing mode (BLE
	Test mode:	1M)	 E ΟΜ\. 129	otek	upole	VI.	20.4	oten And
٥٥	k wo	2: 1X mode(B 2M)	LE ZIVI): KE	ep the EU	i works in	continuous	y transmiti	ing mode (BLE

4.2. Test Setup



4.3. Test Data

- ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	22 6 °C			EO OL AND	Jan 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	404 I D	h.
lemperature:	22.6 °C	199	Humidity:	52 %	Atmospheric Pressure:	101 kPa	
	V	~0~	A		161.		

Please Refer to Appendix for Details.







5. Maximum Conducted Output Power

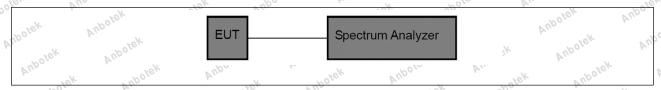
VIII	16 14 14 14 14 14 14 14 14 14 14 14 14 14
Test Requirement:	47 CFR 15.247(b)(3)
Ofek Vipolek	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an
Wupolek Wupole	alternative to a peak power measurement, compliance 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
Test Limit:	delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum
Aupotek Aup	power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during
Rotek Aupotek	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
Aupotek Aupo	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
740. 171	

5.1. EUT Operation

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Operating Envir	onment:	upotek	Aupo		polek	Aupore	V	. Olek	AUP
Aupolek Au	1: TX mod	e(BLE 1N	1): Keep th	ne EUT wo	rks in cor	itinuously tr	ansmitting) mode (E	3LE
Test mode:	1M) 2: TX mod	e(BLE 2N	1): Keep th	ne EUT wo	rks in cor	tinuously tr	ansmitting	ı mode (E	3LE
r. Clek	2M)	VIII	Yek	anbotek	AUD	40.	spotek	Aupor	

5.2. Test Setup



5.3. Test Data

Temperature:	22.6 °C	Humidity:	52 % , botek	Atmospheric Pressure: 101 kPa
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Please Refer to Appendix for Details.



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Report No.:1812C40106112501 FCC ID: 2A2Y8-FC120C

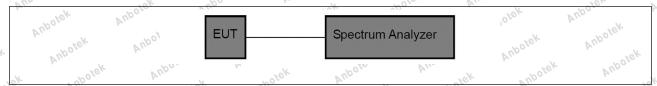
6. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit: Anborek Anborek Anborek Anborek	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

Operating Envi	ronment:	Aupor	P. Potel	Aupoles	Vurn	k aupolek	
Test mode:	1M) Nabour		ek Anb	oro Arr	nuously transm	olen App	
otek Anbots	2: TX mode(I 2M)	BLE 2M): Ke	eep the EUT	works in conti	nuously transm	itting mode (Bl	"Eo _{fe}
6.2. Test Set	up And	o tek	anbotek	Auporg	VII.	Aupolek	AUD

6.2. Test Setup



6.3. Test Data

emperature: 22.6 °C	Humidity: 52 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.





7. Emissions in non-restricted frequency bands

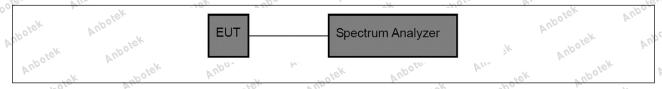
Dr.	18, VUN
Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit: Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the 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

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Operating Envir	onment:	Aupore	K Pu	sk Wupole	Ans	riek Anb
Test mode:	1: TX mode(BLE 1M) 2: TX mode(BLE		Lotek An	pore VI	18K	upoler
7.2. Test Setu	1p (2M)	Auporek Av.	Anbotek	Anbotek	Vupotek Vupotek	Anbotek

7.2. Test Setup



7.3. Test Data

	Temperature:	22.6 °C	Humidity:	52 % , , o le l'	Atmospheric Pressure: 101 kPa	
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Please Refer to Appendix for Details.



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Report No.:1812C40106112501 FCC ID: 2A2Y8-FC120C

8. Band edge emissions (Radiated)

by.	The, Vin	-16 _K - 4 _D	-K - 10)
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	ply with the
"Upolek Vupolek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Auporo Av.	0.009-0.490	2400/F(kHz)	300
hotek Anbo.	0.490-1.705	24000/F(kHz)	30 Anb
VUL.	1.705-30.0	30 Anbor	.30 nbole.
. Aupore An	30-88	100 **	3
r "olek	88-216	150 **	31ck Aupo
olek Yup	216-960	200 **	3
Test Limit:	Above 960	500	3 upor
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	frequency bands 54-72 MH However, operation within the sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasing 90 kHz, 110–490 kHz and at these three bands are based detector.	e, the tighter limit applies at the bin the above table are based on beak detector except for the free above 1000 MHz. Radiated emised on measurements employing	470-806 MHz. ted under other band edges. measurements quency bands 9–ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 N	1 V V V V V V V V V V V V V V V V V V V	Auporek
Procedure:	ANSI C63.10-2020 section	6.10.5.2	por VIII
8.1. EUT Operation	1 Anborek Anborek	Vuporer Vuporek	Aupolek Aup

8.1. EUT Operation

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	Operating Envir	onment:	"Olek	Aupole.	Vur	-velk	upotek	Aupo	
	T. Vupolek	1: TX mode(E 1M)	BLE 1M): K	eep the EUT	「works ir	n continuo	usly transm	nitting mod	le (BLE
4	Test mode:	2: TX mode(E	BLE 2M): K	eep the EU1	Γ works ir	n continuo	usly transm	itting mod	le (BLE
	Alla	2M) 1001011	AUD		"Olek	Aupora	b.	*ek	Vupo ie.





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Report No.:1812C40106112501 FCC ID: 2A2Y8-FC120C

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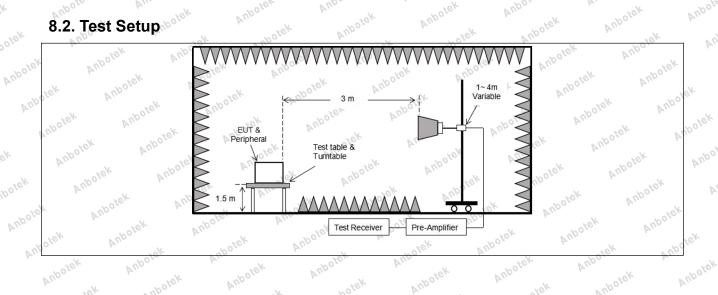
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8.2. Test Setup

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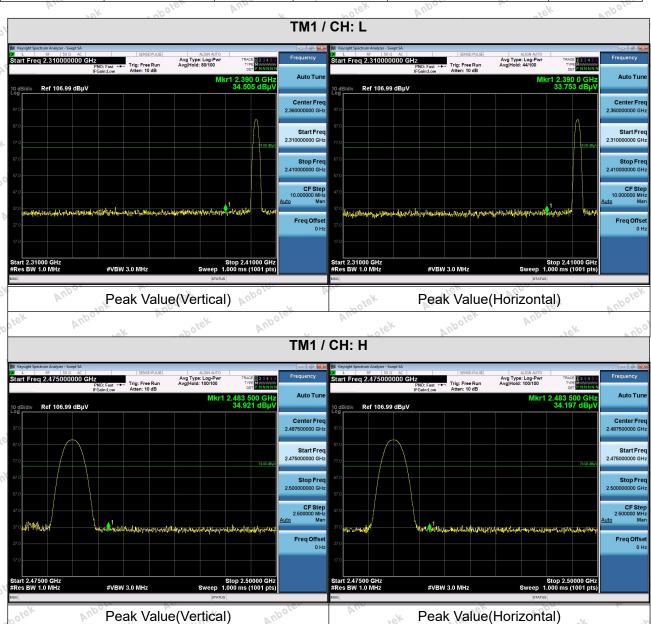


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8.3. Test Data

Temperature: 22.6 °C Humidity: 52 % 101 kPa Atmospheric Pressure:



Remark:

Aupolek

- 1. During the test, pre-scan all modes, the report only record the worse case mode.
- 2. 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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Report No.:1812C40106112501 FCC ID: 2A2Y8-FC120C

9. Emissions in frequency bands (below 1GHz)

Procedure:	ANSI C63.10-2020 section	TO ASI, YOU	Upolek Aupo
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247	U	ek Aupore
Aupotek Aupotek	90 kHz, 110–490 kHz and	peak detector except for the free above 1000 MHz. Radiated emi ed on measurements employing	ssion limits in
V Vupo	The emission limits shown	e, the tighter limit applies at the in the above table are based or	n measurements
Anbore, And	However, operation within sections of this part, e.g.,	these frequency bands is permi §§ 15.231 and 15.241.	tted under other
Anbotek Anbotek	intentional radiators opera	aragraph (g), fundamental emiss ting under this section shall not l Hz, 76-88 MHz, 174-216 MHz or	be located in the
Test Limit:	15/4 10/0 V	- K KOL	
Y. Viek	216-960 Above 960	200 **	3
abotek	88-216	150 **	3 tek Anbo
Aupole. A	30-88	100 **	3
AUD	1.705-30.0	30k Anbore	, 30 nboles
"Olek Aupo	0.490-1.705	24000/F(kHz)	30 100
Aupotek Aupo	0.009-0.490	2400/F(kHz)	(meters)
upotek Aupo	Anborek Anbore	(microvolts/meter)	distance
e. Aur	Frequency (MHz)	Field strength	Measurement
Test Requirement:		d in § 15.205(a), must also com ecified in § 15.209(a)(see § 15.2	

9.1. EUT Operation

Anbotek

Operating Envir	onment:	otek	Aupole.	VII.	k apol	Sk Vupe	
Vupojek	1: TX mode(BL 1M)	E 1M): Kee	p the EUT	works in co	ontinuously tr	ansmitting mo	ode (BLE
Test mode:	2: TX mode(BL	E 2M): Kee	p the EUT	works in co	ontinuously tr	ansmitting mo	ode (BLE
b.	2M) 300101	Vun	V .	Olek	AUDO	tek	Viporg





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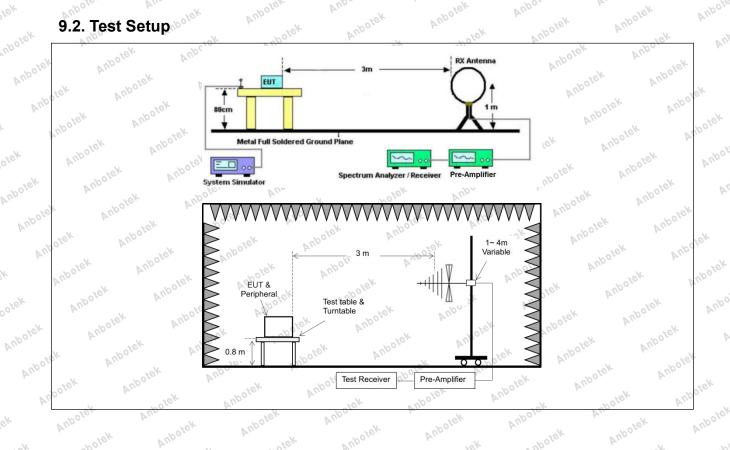
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9.2. Test Setup



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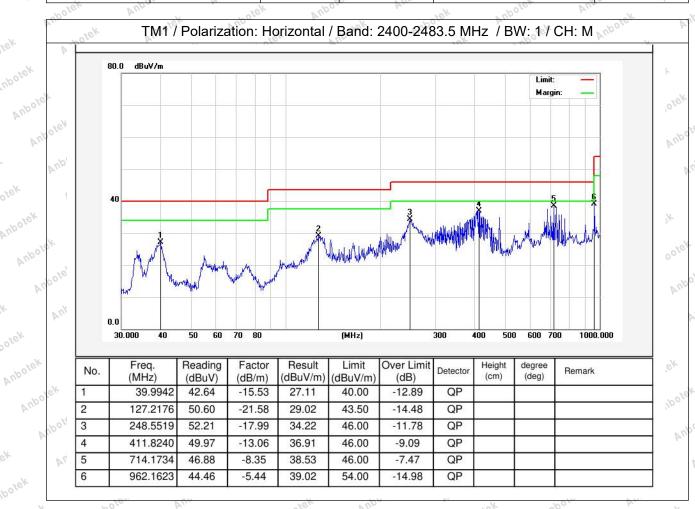




9.3. Test Data

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

Temperature: 22.2 °C Humidity: 54 % Atmospheric Pressure: 101 kPa

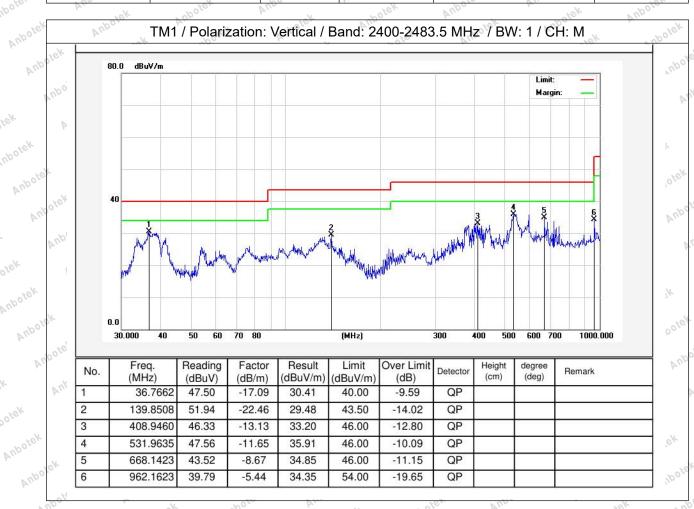








Temperature: 22.2 °C Humidity: 54 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.







10. Emissions in frequency bands (above 1GHz)

Procedure:	ANSI C63.10-2020 section	on 6.6.4	Aupole, Aus
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247		Potek Vupose
nbotek Anbotek	90 kHz, 110–490 kHz an	d above 1000 MHz. Radiated e ased on measurements employ	mission limits in
tek Aupolek		n in the above table are based si-peak detector except for the t	" (L) h
Anbore	In the emission table abo	ove, the tighter limit applies at the	
Aupo. A.	However, operation withit sections of this part, e.g.	n these frequency bands is per - && 15 231 and 15 241	mitted under other
Aupotek Aupo	frequency bands 54-72 N	ating under this section shall no MHz, 76-88 MHz, 174-216 MHz	or 470-806 MHz.
est Limit:		paragraph (g), fundamental em	
ek abotek	Above 960	500	3 nbolek
sk Aupolek	88-216 216-960	150 ** 200 **	3 tek And
Anbor	30-88	100 **	3
Vur.	1.705-30.0	30 ^K Anbort	30 Moores
hotek An	0.490-1.705	24000/F(kHz)	otek 30 Anbo
Anborek Anbo	0.009-0.490	2400/F(kHz)	(meters)
potek Auporen	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance
Test Requirement:	in § 15.205(a), must also in § 15.209(a)(see § 15.2	205(c)).`	Anbor

10.1. EUT Operation

Anbotek

Operating Envir	onment:	otek	Aupole.	VII.	k apol	Sk Vupe	
Vupojek	1: TX mode(BL 1M)	E 1M): Kee	p the EUT	works in co	ontinuously tr	ansmitting mo	ode (BLE
Test mode:	2: TX mode(BL	E 2M): Kee	p the EUT	works in co	ontinuously tr	ansmitting mo	ode (BLE
b.	2M) 300101	Vun	V .	Olek	AUDO	tek	Viporg





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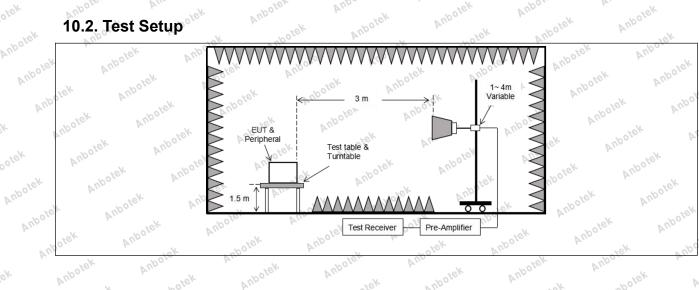
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10.2. Test Setup

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Report No.:1812C40106112501 Anbotek FCC ID: 2A2Y8-FC120C

10.3. Test Data

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Temperature:	22.6 °C	Humidity:	52 %	Atmospheric Pressure:	101 kPa
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	W. rok	aboles	AUG	hotek	Anbo	rek	Anboro		
nboln,									
	Peak value:								
>,	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization		
	4804.00	28.80	15.27	44.07	74.00	-29.93	Vertical		
	7206.00	28.81	18.09	46.90	74.00	-27.10	Vertical		
	9608.00	29.77	23.76	53.53	74.00	-20.47	Vertical		
	12010.00	* "pole"	Aupo	V 2019	74.00	P.II.	Vertical Vertical		
	14412.00	*	otek Anbo	Vue.	74.00	olek Vupe	Vertical		
	4804.00	28.44 And	15.27	, bote 43.71 M	74.00	-30.29	Horizontal		
	7206.00	29.46	18.09	47.55	74.00	-26.45	Horizontal		
	9608.00	28.26	23.76	52.02	74.00	-21.98	Horizontal		
	12010.00	Ano*	Pupolek	Auporg	74.00	Aupoter	Horizontal		
	14412.00	Kupore.	k, ctek	Aupolek	74.00	k upolek	Horizontal		
	Average value:								
	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization		
	4804.00	17.07	15.27	32.34	54.00	-21.66	Vertical		
	7206.00	17.86	18.09	35.95	54.00	-18.05	Vertical		
	9608.00	19.24	23.76	43.00	54.00	-11.00	Vertical		
	12010.00	* *	sk Aupor	b.	54.00 mo	S. Aug	Vertical		
	14412.00	* *	olek Aul	oter Yun	54.00	lotek Aut	Vertical		
	4804.00	16.77	15.27	32.04	54.00	-21.96	Horizontal		
	7206.00	18.49	18.09	36.58	54.00	-17.42	Horizontal		
	9608.00	17.77	23.76	41.53	54.00	+12.47	Horizontal		
	12010.00	AUX.	Vupojek	Aupor	54.00	Anbore	Horizontal		
4	14412.00	* * Aupolo	P1.	ek VUPOLE	54.00	100° Yo	Horizontal		

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-	inpotek Vup	//	bolek An	ГМ1 / CH: М	-otek A	hbotek An	-1ek
	Peak value:						
	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
	4880.00	28.35	15.42	43.77	74.00	-30.23	Vertica
	7320.00	28.78 knbs	18.02	46.80	74.00	-27.20	Vertica
	9760.00	29.27	23.80	53.07	74.00	-20.93	Vertica
	12200.00	Anbo *	Polek	Aupole	74.00	Aupolek	Vertica
	14640.00	Anbo*	Vus	Vupolek	74.00	Spotek	Vertica
	4880.00	28.25	15.42	43.67	74.00	-30.33	Horizon
1	7320.00	29.33	18.02	47.35	74.00	-26.65	Horizon
	9760.00	27.98	23.80 , 100	51.78	74.00	otek -22.22 knbo	Horizon
1	12200.00	polek * Aup	- K	hotek Ar	74.00	"Olek D	Horizon
	14640.00	~otek*	Aupore. b	U.S.	74.00	Augo	Horizon
	Average value:		· · · · · · · · · · · · · · · · · · ·	1201	-		6.337
ĺ	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarizat
J	4880.00	17.16	15.42	32.58 ,,,,,,	54.00	-21.42	Vertica
63	7320.00	17.72	o ^{tek} 18.02 knb	35.74	54.00	-18.26	Vertica
Ī	9760.00	19.09	23.80	42.89	54.00	20011.11	Vertica
	12200.00	Vupole*	Vup.	upolek	54.00	hotek	Vertica
ľ	14640.00	2) tick	Aupor	Potek	54.00	And	Vertica
V	4880.00	16.88	15.42	32.30	54.00	-21.70	Horizon
1	7320.00	18.84	18.02	36.86	54.00	-17.14 ¹⁰⁰⁰¹⁶	Horizon
	9760.00	18.07 Anbox	23.80	41.87 M	54.00	, 12.13 _{, 1}	Horizon
ſ	12200.00	* * *	Pole Vu		54.00	100, 11,	Horizon
		1-0'- D/	anbotek	16.	Ub	Aupotok	-1770

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		1	ГМ1 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	28.48	15.58	44.06	74.00	-29.94	Vertical
7440.00	28.94	17.93	46.87	74.00 M	-27.13	Vertical 📈
9920.00	29.97	23.83	53.80	74.00	-20.20	Vertical
12400.00	Aupole * P	"I'ek	Aupoler	74.00	"polek	Vertical
14880.00	VUPO*EK	Aupois	abotek	74.00	b.	Vertical
4960.00	28.39	15.58	43.97	74.00	-30.03	Horizontal
7440.00	29.54	17.93	47.47	74.00	-26.53	Horizontal
9920.00	28.36	23.83	52.19 nbox	74.00	vek -21.81 mbo	Horizontal
12400.00	olek * Anb	ore Will	Tek M	74.00	*ek	Horizontal
14880.00	Nek*	Upolek V	Up.	74.00	Aupor	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	18.28	15.58	33.86	54.00	-20.14	Vertical No
7440.00 kg	18.99	17.93	36.92	54.00	olek-17.08 And	Vertical
9920.00	19.74 An	23.83	43.57	54.00	-10.43	Vertical
12400.00	abote*	Vupo	otek	54.00	Vun 16k	Vertical
14880.00	* tek	Anbotek	And 'ek	54.00	Vupore K	Vertical
4960.00	18.06	15.58	33.64	54.00	-20.36	Horizontal
7440.00	19.64	17.93	37.57	54.00	-16.43	Horizontal
9920.00	18.22 nbol	23.83	42.05	54.00 And O	-11.95	Horizontal
12400.00	*	potek Anl	Jos Pri	54.00	Pole. Vu.	Horizontal
14880.00	'upole *	VE _K	Vupoles	54.00	* upolek	Horizontal

- Result =Reading + Factor 1.
- Test frequency are from 1GHz to 25GHz, "*" means the test results were attenuated more than 2. 20dB below the permissible limits, so the results don't record in the report.
- Only the worst case is recorded in the report.





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APPENDIX I -- TEST SETUP PHOTOGRAPH

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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

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Please refer to separated files Appendix III -- Internal Photograph

------End of Report

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