

Anbotek

Address

Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

FCC Test Report

Applicant : Shenzhen SYD Network Technology Co .,Ltd

4F, Building NO.4, Lianchuang Science and

: Technology Park, 21st Bulan Rd, Nanwan Street,

Longgang District, Shenzhen, China

Product Name : Portable Power Station

Report Date : Sept. 05, 2024









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	3. Test Data	otek Vup	0,-	ke/k	, aboti	Yu.	V	30	
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Shenzhen Anbotek Compliance Laboratory Limited

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TEST REPORT

Shenzhen SYD Network Technology Co.,Ltd Applicant

Shenzhen SYD Network Technology Co.,Ltd Manufacturer

Product Name Portable Power Station

SYD2400, N052, F2400, P2400, 2400A, G2400, AS2400JP, HS2400, Model No.

T2400, S2400, GK-2400, M2400, PS2400, PH2400

Trade Mark

Please see page 7 Rating(s)

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.

Date of Receipt	Aug. 08, 2024
Date of Test	Aug. 08, 2024 to Aug. 26, 2024
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Prepared By	(Nianxiu Chen)
Aupolek Aupolek Aupolek Au	Idward pan
Approved & Authorized Signer	Aupolie, Aug
K Motek Aupote, Mun	(Edward Pan)









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Revision History

Aupolek	k Anbo	ek Aupok	Revision I	listory ***	k Anboter	Anbotek
Re	eport Version	1	Description	on	Issued	Date
bolek	R00	Aupo	Original Iss	sue.	Sept. 05	2024
Aupolek	Aupolek	Vup	Aupolek	Vupor Potek	Aupolek	Vupore.
Anbolek	Anbore	iek Vupo,	tek Aupoter	ek upotsk	Anboiek	Vupa Polek

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1. General Information

1.1. Client Information

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O	Applicant	:	Shenzhen SYD Network Technology Co .,Ltd
	Address	:	4F, Building NO.4, Lianchuang Science and Technology Park, 21st Bulan Rd, Nanwan Street, Longgang District, Shenzhen, China
	Manufacturer	:	Shenzhen SYD Network Technology Co .,Ltd
9,	Address	:	4F, Building NO.4, Lianchuang Science and Technology Park, 21st Bulan Rd, Nanwan Street, Longgang District, Shenzhen, China
	Factory	:	Shenzhen SYD Network Technology Co .,Ltd
	Address	:	4F, Building NO.4, Lianchuang Science and Technology Park, 21st Bulan Rd, Nanwan Street, Longgang District, Shenzhen, China

1.2. Description of Device (EUT)

W. No	10-	With the work who is the shorter
Product Name	:	Portable Power Station
Model No.	:	SYD2400, N052, F2400, P2400, 2400A, G2400, AS2400JP, HS2400, T2400, S2400, GK-2400, M2400, PS2400, PH2400 (Note: All samples are the same except the model number and shell, so we prepare "SYD2400" for test only.)
Trade Mark	:	N/Anbores Anborek Anborek Anborek
Test Power Supply	:	AC 120V/60Hz; DC 51.2V Battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A Anbotek Anbotek Anbotek Anbotek
RF Specification		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	40 And abotek Andotek Andotek Andotek Andotek
Modulation Type	:	GFSK Anbotek Anbotek Anbotek Anbotek Anbotek
Antenna Type	:	PCB Antenna Antorek Antorek Antorek Antorek
Antenna Gain(Peak)	:	4.16dBj.ek Anbotek Anbotek Anbotek Anbotek
NO°		L VI. VI.

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.:1815C40037012501

FCC ID: 2BFF7SYD2400

Rating(s):

2400W Portable Power Station

Model:SYD2400

Battery Capacity:2048Wh(40Ah/51.2V)

AC Charge:1100W Max 100V-120VAC 50/60Hz

DC(MPPT) Input:11.5-50V --- 500W Max

USB-A(x2) Output:5V-3A 9V-2A 12V-1.5A ,Total 36W

Type-C PD 20W(x3) Output:5V = 3A, 9V = 2.22A,12V = 1.67A, Total 60W

Type-C PD 100W Output:(5V/9V/12V/15V) -3A 20V -5A, Total 100W

12V Output:12V -- 3A(x2) /10A/25A 372W Max

mplies with Part 15 of the FCC Rules. Operation is subject to

This device may not cause harmful interference, and This device must accept any interference received, including interference that may cause undesired operation.









Made in China

LED:1W

Operating Temperature:-10~40°C Charging Temperature:0~40°C

AC Output:100V-120VAC 50/60Hz

Off-grid Mode:Rated 2400W

Bypass Input:1350W Max

Total DC Output:568W

Total AC and DC Output:2968W FCC ID:2BFF7SYD2400

1.3. Auxiliary Equipment Used During Test

Title		Manufacturer	Model No.	Serial No.	
. '	ek vupliek	AUD	1 potek	Aupole / A. Otek	Aupore. 1 Aug

1.4. Operation channel list

Operation Band:

Vupo	Frequency	Aupole	Frequency	· abo	Frequency		Frequency
Channel	(MHz)	Channel	(MHz)	Channel	(MHz)	Channel	(MHz)
O ^{Vupo} se,	2402	tek 10 An	o ^{tek} 2422 Ant	20	2442	Pup 30	2462
yek 1 Anb	2404 And	, vev11	2424	Anbo 21	2444	31	2464
hotek 2	2406	12k	2426	22	2446	32 nb o 18	2466
3/	2408	And 13 Nek	2428	23 ¹⁰⁰¹	2448	_{ек} 33 ^м ир	2468
Ans 4 otek	2410	14	2430	24 Anbc	2450	100 te ^N 34	2470
5 5	2412	15 Anbe	2432	o ^{vek} 25	2452	35	2472
6 And	otek 2414 And	otek 16 A	2434	26	2454	36 rek	2474
7 An	2416	Anbois 17	2436	27 rek	2456	37	2476 (hoole)
Aupoles 8	2418	An 18ek	2438	28 ₁₀₀₁₆ 1	2458	38	2478 And
Aup dek	2420	19,botek	2440	29	otek 2460 Ands	39	2480







1.5. Description of Test Modes

3,4	Pretest Modes	Descriptions
0	TM1k	Keep the EUT works in continuously transmitting mode (BLE 1M)
1	TM2	Keep the EUT works in continuously transmitting mode (BLE 2M)

1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB Andotek Andotek
Occupied Bandwidth	925Hz Anboret And Stek Anbore
Conducted Output Power	0.76dB otek Anborek Anborek Anb
Power Spectral Density	0.76dB Anbotet Anbotek
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 Andrew Andrew
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB
- V Up	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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	Anbo Lek only	olek B Vi
Conducted Emission at AC power line	Mode1,2	nbote P
Occupied Bandwidth	Mode1,2	VupB'ek
Maximum Conducted Output Power	Mode1,2	Pupotek
Power Spectral Density	Mode1,2	P NOO'
Emissions in non-restricted frequency bands	Mode1,2	Nek P
Band edge emissions (Radiated)	Mode1,2	P
Emissions in frequency bands (below 1GHz)	Mode1,2	Aups Prek
Emissions in frequency bands (above 1GHz)	Mode1,2	AND OFF
Note: P: Pass N: N/A, not applicable	K Potek Vupotek	tek Aup.







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.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 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.
- 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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Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

1.10. Test Equipment List

Aupolek	Cond	ucted Emission at A	C power line	who iek	Vupose.	K Pur	Anborek
Anbo	Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
P	nbolek	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2024-01-18	2025-01-17
olek ek	Anbo	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
Anbotek	3	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A orek	Pkpolo Ofek	Aupotek
Anb	o ^{tek} 4	EMI Test Receiver	Rohde & Schwarz	ESPI3	100926	2023-10-12	2024-10-11

Emissions in non-restricted frequency bands

Occupied Bandwidth

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Maximum Conducted Output Power

Power Spectral Density

	· operion zenienty	S. VII.	40.			
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
potek	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A Anbo	2023-10-16	2024-10-15
Anbo.	DC Power Supply	IVYTECH	1006VI	1804D360 510	2023-10-20	2024-10-19
3	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
_(e) 4	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-02-22	2025-02-21
5	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6 ote	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2024-02-04	2025-02-03



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Ans	otek Aupotek	Aupo	upolek A	nbolo	V. Potek	Anboren A
	edge emissions (Ra sions in frequency ba		Anbolek	Aupolo	Ambotek	Aupoles.
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	2024-01-17	2025-01-16
3	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 N/A	Alpotek	Aupor Olek
)te\5	Horn Antenna	A-INFO no tek	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
Anb6iek	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
Zupo	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2024-05-07	2025-05-06

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal	Cal.Due Dat
1,0	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
2	Pre-amplifier	SONOMA	310N A	186860	2024-01-17	2025-01-16
3 ^{A 717}	Bilog Broadband Antenna	Schwarzbeck	VULB9163	And 345	2022-10-23	2025-10-22
4	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11
5-	EMI Test Software EZ-EMC	SHURPLE	N/A ^{botes}	N/A	otek / Vupote	Anbo

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Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

2. Antenna requirement

Aupotek

Test 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 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.

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2.1. Conclusion

The antenna is a PCB Antenna which permanently attached, and the best case gain of the antenna is 4.16dBi. It complies with the standard requirement.

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3. Conducted Emission at AC power line

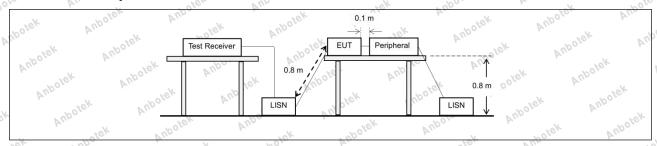
otek Vupotek b	Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted					
Test Requirement:	back onto the AC power line on an band 150 kHz to 30 MHz, shall not measured using a 50 µH/50 ohms (LISN).	exceed the limits in the fo	ollowing table, as			
Vupo ek	Frequency of emission (MHz)	Conducted limit (dBµV)	ek abolek			
k Aupole, Aug	rek Spokek Aupo	Quasi-peak	Average			
- dek	0.15-0.5	66 to 56*	56 to 46*			
Test Limit:	0.5-5 And O	.56 h	46			
iek "poler	5-30 And	60	50			
Anbout K hotek	*Decreases with the logarithm of th	ne frequency.	spotek b			
Test Method:	ANSI C63.10-2020 section 6.2	polek Aupole	Vi.			
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from unli		od for ac power-			

3.1. EUT Operation

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_	LDN - AV		V	- VV U				1/2/		
'UK	Operating Envir	onment:	Aupolei	And	-tek	Upolek	Aupo	-ck	abotek	Anb
	Aupole, Au		ode(BLE	IM): Keep t	he EUT w	orks in co	ntinuously	transmitting	g mode (E	BLE
	Test mode:	1M)	nde(BLF:3	M). Keen t	he FUT w	orks in co	ntinuously	transmitting	n mode (F	RÌ E
-1.	nbolek.	2M)	JUG (DEF)2	hotek	Aupole	TOTAL III OO	atek	Vuporekuis	Anb	Yo.

3.2. Test Setup



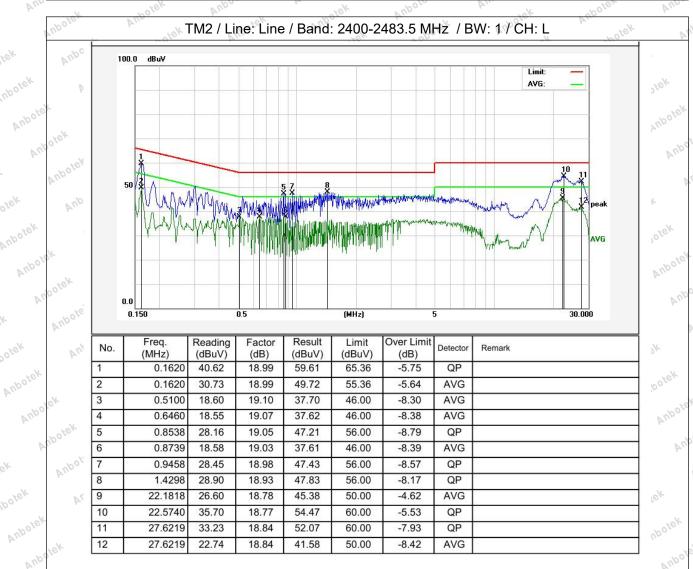






3.3. Test Data

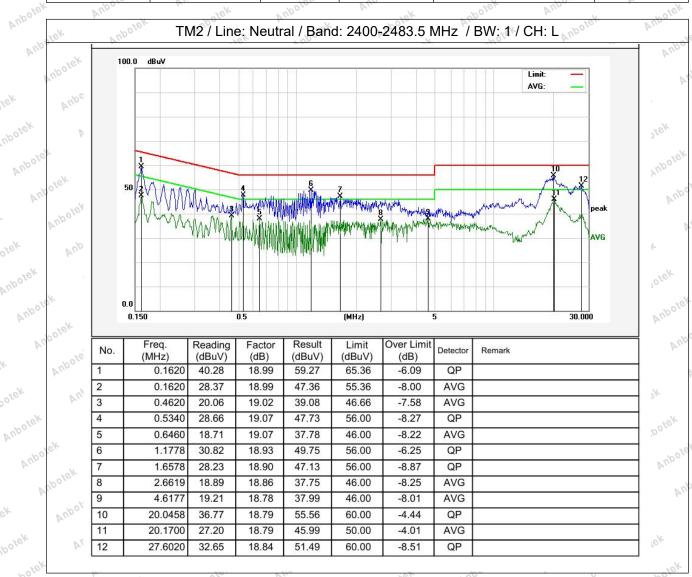
Temperature: 22.7 °C Humidity: 50 % Atmospheric Pressure: 101 kPa







Temperature: 22.7 °C Humidity: 50 % Atmospheric Pressure: 101 kPa



Note:Only record the worst data in the report.







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Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

4. Occupied Bandwidth

100 N	The state of the s
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
otek Anbotek Anh	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.
Aupotek Aupotek	b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time.
Procedure:	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 envelope of the spectral display, such that each marker is at or slightly below
Aupotek Aupotek	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. 11.8.2 Option 2
Anborek Anbo	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 functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 × RBW, and
ipotek Vuporek V	peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the
Anboier And	fundamental emission that might be ≥ 6 dB.

4.1. EUT Operation

Operating En	vironment:	anboiek A	'p.	hotek Anbore	A. Olek
Josek Aupol	1: TX mode(BLE 1 1M)	M): Keep the E	JT works in cor	ntinuously transmitting	g mode (BLE
Test mode:	, 78,	M): Keep the E	JT works in cor	าtinuously transmitting	g mode (BLE
1	2M)	-tek	"upo,	K.	Pole. V





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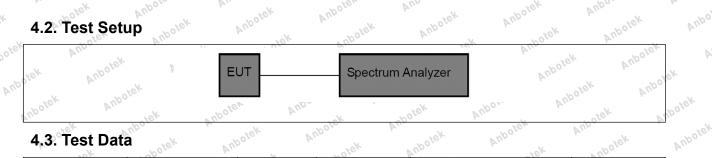
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4.2. Test Setup



4.3. Test Data

4.3. Test Dat	a hotek	Aupotek (Aupole	Aupotek Au	Vupoler.	Andotek
Temperature:	24.3 °C	Humidity:	56 %	Atmosph	eric Pressure:	101 kPa

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5. Maximum Conducted Output Power

-PO. N.	The All All All All All All All All All Al
Test Requirement:	47 CFR 15.247(b)(3)
Test Limit: Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	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	Auport Auporek Aupores Auporek Auporek Auporek Auporek

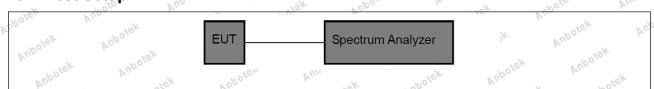
5.1. EUT Operation

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Α,	Operating Envir	onment:	'urek	Anbotek	AUD	ek upolek	Aupor	b.
	Toot mode:	1: TX mode 1M)	e(BLE 1M):	Keep the EU	T works in o	continuously trans	mitting mode (B	LE *
7	Test mode:	2: TX mode 2M)	e(BLE 2M):	Keep the EU	T works in o	continuously trans	mitting mode (B	LE

5.2. Test Setup

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5.3. Test Data

Temperature	24.3 °C	hotek	Humidity:	56 %	Atmospheric Pressure:	101 kPa	00'0
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Please Refer to Appendix for Details.





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Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

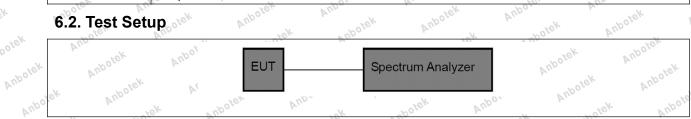
6. Power Spectral Density

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

rek	Operating Envir	onment:	abotek	Aupole	K W	otek Aupo,	bus.	tek.
ipo,	· V. •		e(BLE 1M): K	eep the EUT	works in cont	inuously transr	mitting mode (Bl	LE
Vupo.	Test mode:	1M) 2: TX mod	e(BLE 2M): K	eep the EUT	works in cont	inuously transr	nitting mode (Bl	LE LE
An	00, 14	2M)	Aupole	in tek	Aupolek	Aug.	opolek (Anb
	6.2 Test Setu	in sek	Aupolek	And	botek	Anbo	r. otek	1

6.2. Test Setup



6.3. Test Data

	N.V.		Lo U		V 1.
Temperature:	24.3 °C	Humidity:	56 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.





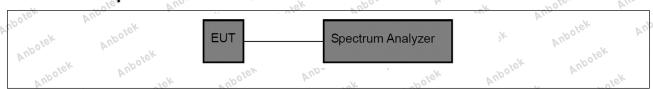
7. Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit: Anbotek Anbotek Anbotek 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

Test mode: 1: TX mode(BLE 1M): Keep the EUT works in continuously transmitting mode (BLE 1M) 2: TX mode(BLE 2M): Keep the EUT works in continuously transmitting mode (BLE	Operating Envir	onment:	Vun Jiek	Vuporek	Aupo	k spolek	Anbore	Visa
2M)	Test mode:	1M) 2: TX mo	"upole"	And	~	Potek Vupo		ek.

7.2. Test Setup



7.3. Test Data

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Temperature:	24.3 °C	Humidity:	56 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.





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Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

8. Band edge emissions (Radiated)

Test Requirement:	radiated emission limits spe	ecified in § 15.209(a)(see § 15.2	205(c)).`
"upotek Vupotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Spotek Vupo.	0.009-0.490	2400/F(kHz)	300 Am
All.	0.490-1.705	24000/F(kHz)	
Wuporg W.	1.705-30.0	30 hotek Anb	30
k holek	30-88	100 **	31ek An
Ofer Aur	88-216	150 **	3
rek "upoler	216-960	200 **	3 nbole
upo. K	Above 960	- V	- N
Test Limit:	** Except as provided in pa intentional radiators operat frequency bands 54-72 MH	500 ragraph (g), fundamental emiss ing under this section shall not b lz, 76-88 MHz, 174-216 MHz or	oe located in the 470-806 MHz.
Test Limit: Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	** Except as provided in partintentional radiators operated frequency bands 54-72 MHHowever, 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	iragraph (g), fundamental emiss ing under this section shall not b lz, 76-88 MHz, 174-216 MHz or these frequency bands is permit	ions from be located in the 470-806 MHz. ted under other band edges. measurements quency bands 9 ssion limits in
Test Limit:	** Except as provided in particular intentional radiators operated frequency bands 54-72 MHHowever, operation within the sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-190 kHz, 110–490 kHz and at these three bands are base	aragraph (g), fundamental emissing under this section shall not be lz, 76-88 MHz, 174-216 MHz or these frequency bands is permit § 15.231 and 15.241. The tighter limit applies at the lin the above table are based on peak detector except for the free above 1000 MHz. Radiated emisted on measurements employing 6.10	ions from be located in the 470-806 MHz. ted under other band edges. measurements quency bands 9 ssion limits in

8.1. EUT Operation

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	Operating Envir	onment: Anborek Anborek Anborek
	Vupo.	1: TX mode(BLE 1M): Keep the EUT works in continuously transmitting mode (BLE
Y.	Test mode:	1M) The state of t
	, work	2: TX mode(BLE 2M): Keep the EUT works in continuously transmitting mode (BLE
	FOR YUD	2M) And



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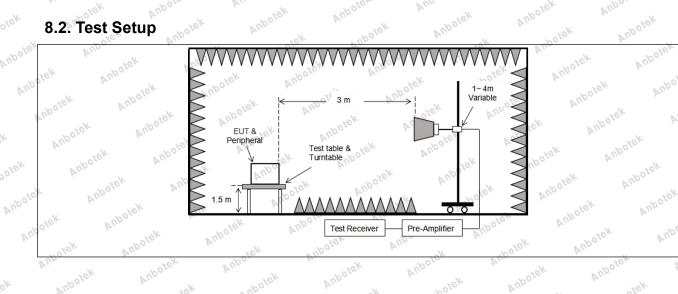
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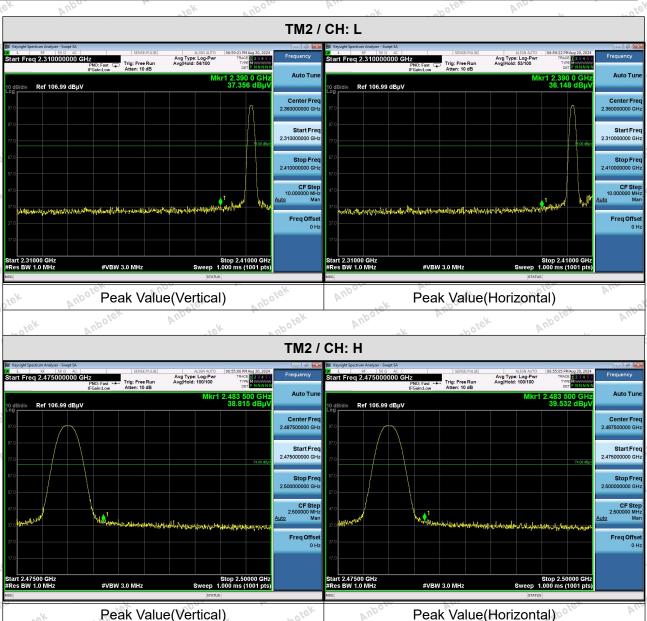
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8.3. Test Data

Temperature: 24.3 °C Humidity: 56 % Atmospheric Pressure: 101 kPa



Remark:

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









9. Emissions in frequency bands (below 1GHz)

Test Requirement:	restricted bands, as define), In addition, radiated emissions ed in § 15.205(a), must also com pecified in § 15.209(a)(see § 15.2	ply with the
Aupotek Aupotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Sporter Aupo	0.009-0.490	2400/F(kHz)	300
All.	0.490-1.705	24000/F(kHz)	.30 hole
k Wupong W	1.705-30.0	30 K hotek Anb	30
" "otek	30-88	100 **	3 rek And
Oler YUN	88-216	150 ** NAPOTO	3
rek vupojer	216-960	200 **	3 nbole
Vupo, W.	Above 960	500 botek And	3 Nek
Wing Office Wings	frequency bands 54-72 MI	ting under this section shall not l Hz, 76-88 MHz, 174-216 MHz or	470-806 MHz.
Aupotek Aupotek Vale Vale Vale Vale Vale Vale Vale Vale	frequency bands 54-72 Mill However, operation within 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 these three bands are bas detector.	ting under this section shall not be Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permit §§ 15.231 and 15.241. The tighter limit applies at the in the above table are based or peak detector except for the free above 1000 MHz. Radiated emissed on measurements employing	be located in the 470-806 MHz. tted under other band edges. In measurements quency bands 9- ssion limits in
Test Method:	frequency bands 54-72 Mills However, operation within 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 these three bands are based to see the section within the section of the section of the section within the section of the section within the section of the section of the section within the section of the sectio	ting under this section shall not be Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permit §§ 15.231 and 15.241. The tighter limit applies at the in the above table are based or peak detector except for the free above 1000 MHz. Radiated emitted on measurements employing to 6.6.4	be located in the 470-806 MHz. tted under other band edges. In measurements quency bands 9- ssion limits in
Test Method:	frequency bands 54-72 Mill However, operation within 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 these three bands are bas detector. ANSI C63.10-2020 section	ting under this section shall not be Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permit §§ 15.231 and 15.241. The tighter limit applies at the in the above table are based or peak detector except for the free above 1000 MHz. Radiated emitted on measurements employing to 6.6.4 Meas Guidance v05r02	be located in the 470-806 MHz. tted under other band edges. n measurements quency bands 9- ssion limits in

9.1. EUT Operation

	Operating Envir	onment:	Aupo	k hotek	Anboro	W.	rek	Aupolen
	Aupo	1: TX mode	e(BLE 1M):	Keep the EU	Γ works in con	tinuously tra	nsmitting	mode (BLE
1/2	Test mode:	1M) 2: TX mode	e(BLE 2M):	Keep the EU	Γ works in con	tinuously tra	nsmitting	mode (BLE
	tek Aupole.	2M)	-tek	Anboiek 1	'upo	bolek	Auporo	





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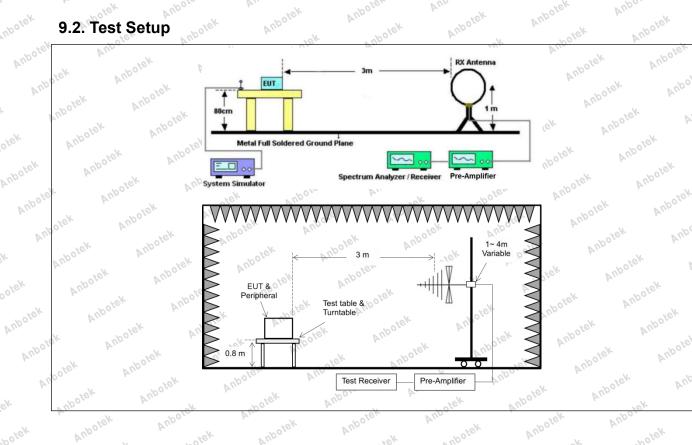
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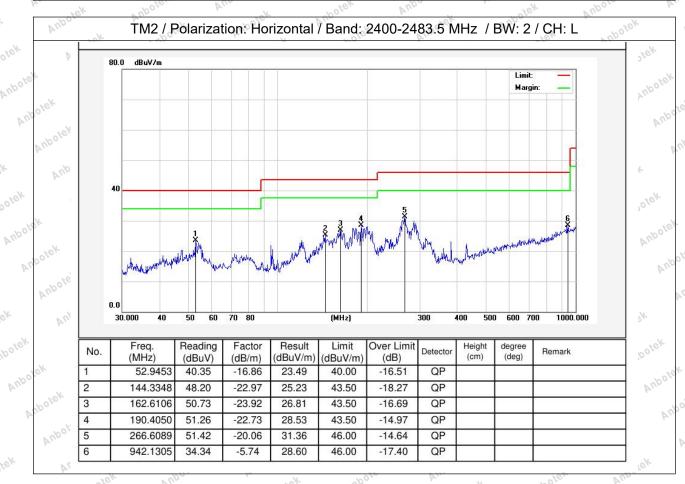




9.3. Test Data

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

- ~ ~ ~ ~	00000			V_{U_P}		10415
lemperature:	20.3 °C	∴el⊱Hum	niditv:°ી 46 %	o "	Atmospheric Pressure:	∣ 101.kPa
100	- V	~0,	/2.		I.E. VUL	101

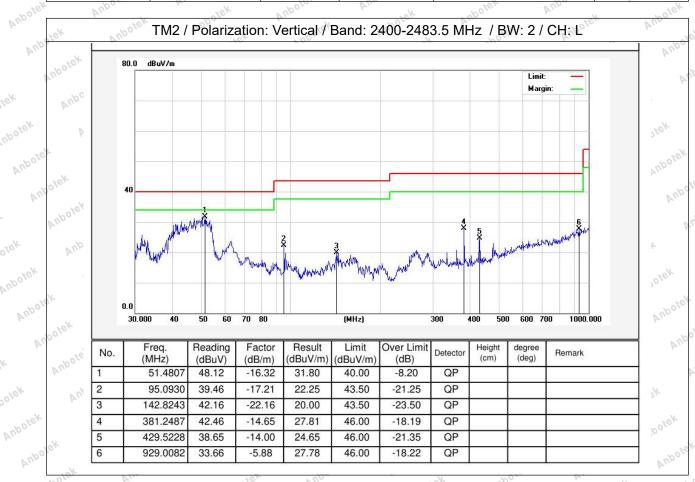






Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

Temperature: 20.3 °C Humidity: 46 % Atmospheric Pressure: 101 kPa



Note:Only record the worst data in the report.





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Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

10. Emissions in frequency bands (above 1GHz)

Test Requirement:		ons which fall in the restricted be omply with the radiated emission 5(c)).	
Vupotek Vupotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
abovek Anbe	0.009-0.490	2400/F(kHz)	300 And
Al.	0.490-1.705	24000/F(kHz)	30 Nobole
ek Aupore Ar.	1.705-30.0	30 K Polek Wy	30
, work	30-88	100 **	310k Anb
Poler Aug	88-216	150 **	3
rek vupote.	216-960	200 **	3 nbole
Vupo, W. Kek	Above 960	500 Notes And	3 John
Aupotek Aupotek Aupotek Aupotek Aupotek Aupotek	However, operation within to sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-p90 kHz, 110–490 kHz and a these three bands are base detector.	e, the tighter limit applies at the lin the above table are based on peak detector except for the free above 1000 MHz. Radiated emised on measurements employing	ted under other pand edges. measurements quency bands 9– ssion limits in
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M	- 40.	potek Anboter
Procedure:	ANSI C63.10-2020 section	6.6.4 otek Andrew	upotek Anb
10.1. EUT Operation	ou Vuporer Vup	Auporek Aupor	Aupolek .

10.1. EUT Operation

	Operating Envir	onment:	Aupo	k hotek	Anboro	W.	rek	Aupolen
	Aupo	1: TX mode	e(BLE 1M):	Keep the EU	Γ works in con	tinuously tra	nsmitting	mode (BLE
1/2	Test mode:	1M) 2: TX mode	e(BLE 2M):	Keep the EU	Γ works in con	tinuously tra	nsmitting	mode (BLE
	tek Aupole.	2M)	-tek	Anboiek 1	'upo	bolek	Auporo	





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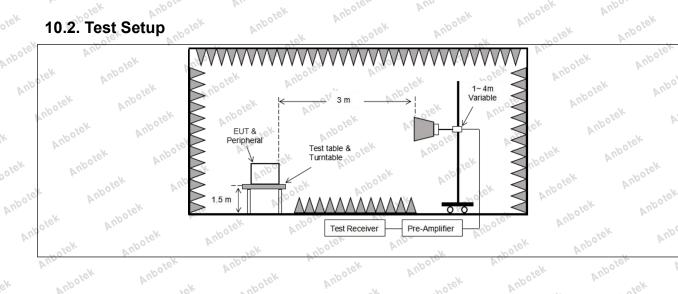
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Anboick 10.2. Test Setup



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Report No.:1815C40037012501 Anbotek FCC ID: 2BFF7SYD2400

Aupolek 10.3. Test Data

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10.3. Test Data	Aupolek Fek	Aupo, upokek	Auporek Aupore	Anborek
Temperature: 23.3 °C	Humidity:	56 %	Atmospheric Pressure:	101 kPa

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			ГМ2 / CH: L			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	31.83	15.27	47.10	74.00	-26.90	Vertical
7206.00	31.32	18.09	49.41	74.00	-24.59	Vertical
9608.00	33.33	23.76	57.09	74.00 00 00 00 00 00 00 00 00 00 00 00 00	-16.91	Vertical
12010.00 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	* *	ick Anbo	iek Aupa	74.00	otek Aupo	Vertical
14412.00	potek * Aup		potek An	74.00	-olek D	Vertical
4804.00	31.21	15.27	46.48	74.00	-27.52	Horizontal
7206.00	33.10	18.09	51.19	74.00	-22.81	Horizontal
9608.00	29.56	23.76	53.32	74.00	-20.68	Horizontal
12010.00	*hbole	VII.	Anbolek	74.00	k abolek	Horizontal
14412.00	rek * "upole	k Aupor	1000	74.00	<i>P</i> .	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	20.10	15.27	35.37	54.00	-18.63	Vertical
7206.00	20.37	18.09	38.46	54.00	-15.54	Vertical
9608.00	22.80	23.76	46.56	54.00,000	-7.44	Vertical
12010.00	ole, * Vue	184 201	Josek Vup.	54.00	potek Aut	Vertical
14412.00	Upolek * Ar	100, 1	Polek	54.00	rek	Vertical
4804.00	19.54	15.27	34.81	54.00	-19.19	Horizontal
7206.00	22.13	18.09	40.22	54.00	-13.78	Horizontal
9608.00	19.07	23.76	42.83	54.00	-11.17	Horizontal
12010.00	* * Aupolek	Yu.	k upole	54.00	2000	Horizontal
14412.00	* *	ick Vupor	K	otek 54.00 knoc	V. VIII	Horizontal

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Report No.:1815C40037012501 Anbotek FCC ID: 2BFF7SYD2400

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Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	31.38	15.42	46.80	74.00 M	-27.20	Vertical 📈
7320.00	31.29	18.02	49.31	74.00	-24.69	Vertical
9760.00	32.83	23.80	56.63	74.00	-17.37	Vertical
12200.00	Vupo*e.	Vun	"Upolek	74.00	hotek	Vertical
14640.00	*bolek	Auporg	hotek	74.00	Vu.	Vertical
4880.00	31.02	15.42	46.44	74.00,000	-27.56	Horizontal
7320.00	32.97	18.02	50.99	74.00	ovek -23.01 And	Horizontal
9760.00	29.28	23.80	53.08	74.00	-20.92	Horizontal
12200.00	, olek*	Aupolo, A	un rek	74.00	Aupo	Horizontal
14640.00	And *	" upolek	Vupore.	74.00	Anborok	Horizontal
Average value						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	20.19	otek 15.42 And	35.61	54.00	-18.39 Am	Vertical
7320.00	20.23	18.02	38.25	54.00	-15.75	Vertical
9760.00	22.65	23.80	46.45	54.00	-7.55	Vertical
12200.00	*/6/	Aupoten	N. Olek	54.00	Vup.	Vertical
14640.00	* dek	Aupolen	And sek	54.00	Vupo.	Vertical
4880.00	19.65	15.42	35.07	54.00	-18.93	Horizontal
7320.00	22.48	18.02	10.50 And	54.00	-13.50	Horizontal
9760.00	19.37	23.80	43.17	54.00	-10.83	Horizontal
12200.00	Vup. *	abolek	Aupor	54.00	Aupolek	Horizontal
14640.00	Aupolog.	Viek	Aupolek	54.00	abotek.	Horizontal

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"oler	1Up	101	anbo	L	~polo	VII.
		-	ГМ2 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	31.51	15.58 nbb	47.09	16 74.00 And	-26.91	Vertical
7440.00	31.45	17.93	49.38	74.00	-24.62	Vertical
9920.00	33.53	23.83	57.36	74.00	-16.64	Vertical
12400.00	* apokek	Aupo	Polek.	74.00	Vier	Vertical
14880.00	* tek	Aupoles	Yun ick	74.00	Aupor	Vertical
4960.00	31.16	15.58	46.74	74.00	-27.26	Horizontal
7440.00	33.18	17.93	6 51.11 nb ^{ot}	74.00	-22.89	Horizontal
9920.00	29.66	23.83	53.49	74.00 M	-20.51	Horizontal
12400.00	*	upolek b	400 ×	74.00	Aupole, A	Horizontal
14880.00	Anbor *	r. otek	Vupolek	74.00	anbotek.	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	21.31	15.58 nb	36.89	54.00	otek-17.11 And	Vertical
7440.00	10010 21.50 An	17.93	39.43	54.00	-14.57	Vertical
9920.00	23.30	23.83	47.13	54.00	-6.87	Vertical
12400.00	Yun *	anboiek.	Anos	54.00	Anborer	Vertical
14880.00	VU/A	Polek	Anbore	54.00	VUPOFER	Vertical
4960.00	20.83	15.58	36.41	54.00	-17.59	Horizontal
7440.00	23.28 ,,,,,,,,	17.93	41.21	54.00 noo	-12.79	Horizontal
9920.00	19.52		43.35	54.00	-10.65 ha	Horizontal
12400.00	'upole, * V	16k	anboiek 1	54.00	potek	Horizontal
14880.00	1001ak	Aupole	Polek	54.00	VI.	Horizontal

Remark:

- 1. Result =Reading + Factor
- 2. Test frequency are from 1GHz to 25GHz, "*" 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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Report No.:1815C40037012501 FCC ID: 2BFF7SYD2400

APPENDIX I -- TEST SETUP PHOTOGRAPH

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Please refer to separated files Appendix I -- Test Setup Photograph RF

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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

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And of Report -----

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