

FCC ID: 2A2Y8-FS300C 182518C400017101 Report No.: Page 1 of 33

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

: Jun. 18, 2024 Report Date

Anbotek
Product Salety Compliande Laboratory Limited Shenzhen Anbotek * Approved







Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 2 of 33

Contents

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1. General Information	An	boyel		ο <u>··</u> ·····		o∤e¥	Arbate
General Information 1.1. Client Information	40°°°	b.,	, elt	Wpo _{ter} .	And		9:ئەسىيىيى
1.2. Description of Device (EUT)		224			£	⁴ / ₀₀ ,	
1.3. Auxiliary Equipment Used Duri	ng lest	otek		24	*eK	botek	
1.4. Operation channel list 1.5. Description of Test Modes	<u> </u>	.e/			2:		ek .
1.6. Measurement Uncertainty	notek p	'upot			upoley	VUDA	
1.7. Test Summary		po//		4g			0
1.8. Description of Test Facility	Vipo,		٧٠٠٠٠٠٠٠٠٠٠٠٠	1046L	AUD		oie ^k
1.9. Disclaimer	bojek	Anbo	r				VII.
1.10. Test Equipment List			46.	47		ye/	_{ka} b10
2. Antenna requirement	Ano.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	000.4			1
2.1. Conclusion	ek Aupe), b)	orek	9,000		And	<u>.</u> ئارئار
1.8. Description of Test Facility 1.9. Disclaimer	eot ^{ek}	upose.	An-	V	botek	Vupo.	~ 1:،بدید.
3.1 FUT Operation				-ak) 1:
3.2. Test Setup	AUD.	,otek	4nb		. k	ek	
3.3. Test Data	Kopo _{te} .	Ans		"Potek	Anbo		14
4. Occupied Bandwidth	kotok	Aupo,		olek	24	po _{fer}	<u>Anu</u> 1
4.1. EUT Operation	% %°	iek Aul	00,0	b1.	ek	Anborer	10
4.2. Test Setup	VII.	Y	, botek	AUD			
4.3 lest Data							. 1
Maximum Conducted Output Power. 5.1. EUT Operation	20010K	Pupoter.	Ano	, ok	wolek	Anb	18
5.1. EUT Operation	Mr.	anboten	Vup.		aoši		18 18 18
5.3. Test Data	Tupo _{te,}	Ant				, v	1
5.2. Test Setup 5.3. Test Data 6. Power Spectral Density 6.1. EUT Operation 6.2. Test Setup 6.3. Test Data 7. Emissions in non-restricted frequency	××	ek Anb			3 _/ /-	Popo _{ter}	1
6.1. EUT Operation)(otek	Mpore	Vin		obote)	1
6.2. Test Setup	ote. Au		botek	Anl			19الأعبر
6.3. Test Data	abotek	Popo,	b.,	(e)+	bote	VU _D	19
7. Emissions in non-restricted frequency	y bands	Apoier	Anbu		bote	<i>y</i>	<u></u> 20
7.1. EUT Operation	Vur.	,botel	k. Vi	/po.		atek	
7.2. Test Setup	Vupo,	h	Helt.	Kupoter	VUL		2
7.3. Test Data	:à'f	7UD	<u>.</u>		½	Wp ₀	20
8. Band edge emissions (Radiated)	/k	ojek	upole	Ar.		Aupotek	2
8.1. EUT Operation	Dr	Yek.	anbote.	VUL			2
8.2. Test Setup	160ter	Yupa		ek	upoi		2
8.3. Test Data	7070K		Vu.		boite		2
7.1. EUT Operation	/ 1GHz)	Motek	VU	bo.		rek	
9.1 FLIT Operation							
O. I. LOI Operation	b1.		48.c	$A_{U_{D_{n}}}$			24
9.2. Test Setup 9.3. Test Data							







Report No.: 182518C400017101	FCC ID: 2A2	Y8-FS300C	Page 3 of	33
10. Emissions in frequency bands (above 1GHz)) Robotek An	Pur Violek	. Auporek	28
10.1. EUT Operation	botek	Vupo, br.	tek vupo _{te}	28
10.2. Test Setup		poter And		29
10.3. Test Data	k Vupo,		poter And	30
APPENDIX I TEST SETUP PHOTOGRAPH	otek sopotek	Vupo VK	,botek	33
APPENDIX II EXTERNAL PHOTOGRAPH		sk Vupos	VII.	33
APPENDIX III INTERNAL PHOTOGRAPH	spoter Aug	· · · · · · · · · · · · · · · · · · ·	ACPO,	33





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 4 of 33

TEST REPORT

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

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

Product Name : LED RGBW Spot Light

Test Model No. : FS-300C

Reference Model No. : N/A

Trade Mark : NANLITE

Rating(s) : Input: AC100-240V, 50/60Hz, 300W

FCC Part15 Subpart C, Section 15.247

Test Standard(s) : 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:	May 24, 2024
	Anbore An hotek Anbotek Anbo
Date of Test:	May 24, 2024 to Jun. 06, 2024
	Nian xiu Chen
Prepared By:	The total August Color Charles
	(Nianxiu Chen)
	Bolward pan
Approved & Authorized Signer:	An otek anbotek Anbo ok spotek
	(Edward Pan)







Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 5 of 33

Revision History

Report Version	Description	Issued Date			
Anbores R00 portek Ant	Original Issue.	Jun. 18, 2024			
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otek Anbotek Anbotek	Anbotek Anbotek Anbot	tek Vupotek Vupoter			





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 6 of 33

1. General Information

1.1. Client Information

- A (1)**	
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)

- ak		or Arm Diek Wage Like Pour V
Product Name	:	LED RGBW Spot Light
Test Model No.	:	FS-300C
Reference Model No.	:	N/Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Trade Mark	:	NANLITE Tek Anbotek Anbotek Anbotek Anbotek Anbotek
Test Power Supply	:	AC 120V/60Hz
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A botek Anbotek Anbotek Anbotek Anbotek
RF Specification	•	
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	640 Anborek Anborek Anborek Anborek
Modulation Type	:	GFSK Anborek Anborek Anborek
Antenna Type	:	PCB Antenna
Antenna Gain(Peak)	:	2.32dBi
Domark:	-0	the The Though the Thirty The Thi

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.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 7 of 33

1.3. Auxiliary Equipment Used During Test

Title		Manufacturer		Model No.			Serial No.				
D.	botek /	Aupoter	Ann	Anbotek	Vupo,	A D.	botek	Anbore	1	AUG	otel

1.4. Operation channel list

Operation Band:

operation 2	7U			100 E	· V	010	100
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Otek	2402	And 10 rek	2422	20	2442	30	2462
1 potek	2404	11	2424	21	2444	31,000°	2464
ek 2 000	2406	12	2426 AND O	22 Anbo	2446	kelk 32 Anbi	2466
3	2408	13	2428	23 A	2448	bote ^k 33	2468
4	2410	14	2430	24	2450	34	2470
Anbo 5	2412	Anboat	2432	25	2452	35	2472
And Grek	2414	16	2434	26	2454	36	2474
7000	2416	17. ^{nbox}	2436	27 Anbot	2456	ek 37 _{Anb} o	2476
8 Anb	2418	18 And	2438	otek 28 Ari	2458	38 N	2478
ore 9	2420	19 P	2440	29	2460	39	2480
240			1011		710		•

1.5. Description of Test Modes

Pretest Modes		Descriptions				
5	ek abote TM1 Anbotek	Keep the EUT works in continuously transmitting mode (BLE 1M)				
0	TM2 Anboren	Keep the EUT works in continuously transmitting mode (BLE 2M)				





FCC ID: 2A2Y8-FS300C Report No.: 182518C400017101 Page 8 of 33

1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB
Occupied Bandwidth	925Hz
Conducted Output Power	0.76dB
Power Spectral Density	0.76dB
Conducted Spurious Emission	1.24dB Anbotek Anbotek
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
Radiated emissions (Below 30MHz)	3.53dB Anborek Anborek Anborek
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB

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

1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	tek Tupl Olek	botek P Ar
Conducted Emission at AC power line	Mode1,2	Anbot P
Occupied Bandwidth	Mode1,2	An Prek
Maximum Conducted Output Power	Mode1,2	Robotek
Power Spectral Density	Mode1,2	ek P Anbot
Emissions in non-restricted frequency bands	Mode1,2	potek P An
Band edge emissions (Radiated)	Mode1,2	_{anboi} †P
Emissions in frequency bands (below 1GHz)	Mode1,2	Nup Bek
Emissions in frequency bands (above 1GHz)	Mode1,2	Photek
Note: P: Pass N: N/A not applicable	Wipoter Vipote Vipot	sek Aupor

Shenzhen Anbotek Compliance Laboratory Limited







Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 9 of 33

1.8. Description of Test Facility

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

FCC-Registration No.: 434132

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

ISED-Registration No.: 8058A

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

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

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

1.9. Disclaimer

- The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
- 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.







Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 10 of 33

1.10. Test Equipment List

Cond	ucted Emission at A	C power line	Aupo	k hotel	Anbore	Andrek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
. 1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2024-01-18	2025-01-17
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
30t	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	Alooiek	Anborek
4	EMI Test Receiver	Rohde & Schwarz	ESPI3	100926	2023-10-12	2024-10-11

Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density
Emissions in non-restrict

Emissions in non-restricted frequency bands

Emis	sions in non-restricte	a trequency bands	, rek	700,0	- N	~018r
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 _{An} l	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A	2023-10-16	2024-10-15
2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
3	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2024-05-06	2025-05-05
An4ore	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2024-02-22	2025-02-21
5,00	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2024-02-04	2025-02-03

Hotline

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400-003-0500



Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 11 of 33

ote.	And	stek rupo.	N. Ok	pote.	AUS	iek
	edge emissions (Ra sions in frequency ba		Auporg	Anbotek	Aupotek	Anbotek
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 00	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22
2	EMI Preamplifier	SKET Electronic	LNPA- 0118G-45	SKET-PA- 002	2024-01-17	2025-01-16
3	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
nbote 4	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	Andotek	Aupolok
5	Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11
6	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2024-05-06	2025-05-05
*e*7	Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2024-05-07	2025-05-06

Emiss	Emissions in frequency bands (below 1GHz)										
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date					
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2024-01-23	2025-01-22					
. 2	Pre-amplifier	SONOMA	310N	186860	2024-01-17	2025-01-16					
34	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22					
4ntel	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11					
5,00	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A, Noot	y Aupon	k Anbotek					



Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 12 of 33

2. Antenna requirement

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.

2.1. Conclusion

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





FCC ID: 2A2Y8-FS300C Report No.: 182518C400017101 Page 13 of 33

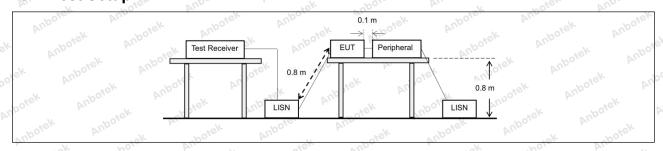
3. Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator public utility (AC) power line, the reback onto the AC power line on ar band 150 kHz to 30 MHz, shall no measured using a 50 µH/50 ohms	that is designed to be con adio frequency voltage tha ny frequency or frequencie t exceed the limits in the f	nected to the at is conducted as, within the ollowing table, as	
o h spoiek	(LISN).	Can duated limit (dD:\/)	Anbore	
Aupore All.	Frequency of emission (MHz)	Conducted limit (dBµV)		
sotek Anbo.	W. The Work William	Quasi-peak	Average	
Test Limit:	0.15-0.5	66 to 56*	56 to 46*	
rest Little.	0.5-5 dek nabote Ame	56 hotel An	46	
Ans above	5-30 And San	60	50 And	
Anbors Air	*Decreases with the logarithm of t	he frequency.		
Test Method:	ANSI C63.10-2020 section 6.2	Anbores.	Aug Otek	
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from unline conducted emissions from the conducted emission			

3.1. EUT Operation

Operating Envir	onment:	Aupo,	γ _γ • γ _γ	otek	Aupole	AUR	rick	Anboiek	Anbo.
YUDO STEK		de(BLE 1M): Keep th	e EUT w	orks in o	continuou	sly trans	mitting mo	de (BLE
Test mode:	1M) 2: TX mod	de(BLE 2M): Keep th	e EUT w	orks in o	continuou	sly trans	mittina ma	de (BLE
Motek Anbore	2M)	hotek	Inbote	AUD.	*ek	anbotek	Aupo		hotek

3.2. Test Setup





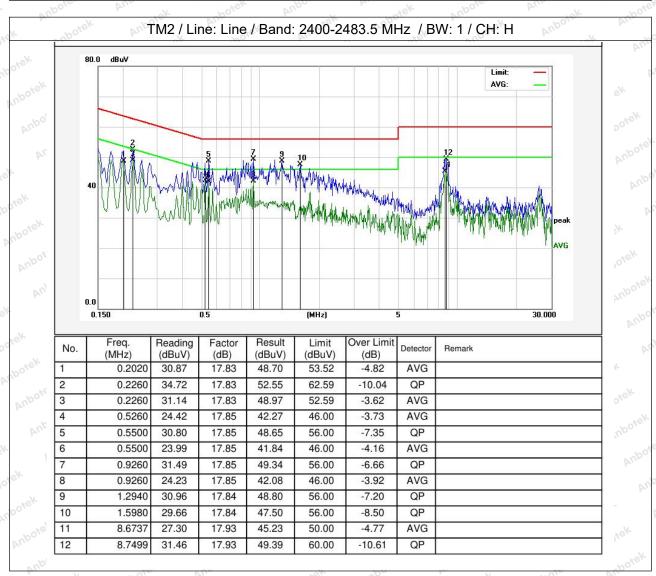
Hotline



Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 14 of 33

3.3. Test Data

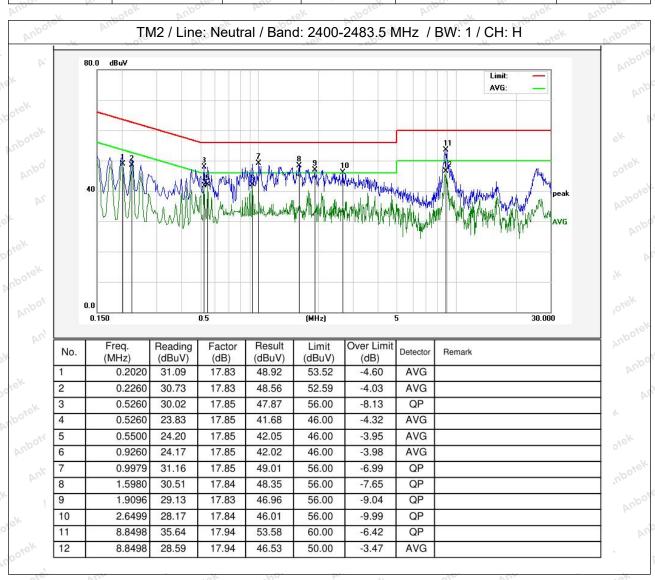
Temperature:	23.5°C	Humidi	ty: 57 %	hotel	Atmospheric Pressure:	101 kPa
· · · · · · · · · · · · · · · · · · ·	70.	127.	-x8"	* Ob.	, No.	D/1.





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 15 of 33

Temperature: 23.5 °C Humidity: 57 % Atmospheric Pressure: 101 kPa



Note:Only record the worst data in the report.







Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 16 of 33

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
nbotek Anbotek Anbotek Anbotek Anbotek	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 ≥ [3 × RBW].
Anbotek Anb	c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time.
potek Anbotek	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.
ek Anbotek Anbo	11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be
Anbotek Anbotek	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.
Anbotek Anbotek	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: Anbore	AU Ofe	k anbot	ek Aup	i ek	botek	Anbore	· · · · · · · · · · · · · · · · · · ·
Aupor Au	1: TX mode(BL 1M)	E 1M): Keep	the EUT w	orks in con	tinuously	transmitting	g mode (BLE
Test mode:	2: TX mode(BL 2M)	E 2M): Keep	the EUT w	orks in con	tinuously	transmittino	g mode (BLE

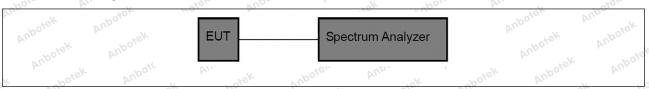






Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 17 of 33

4.2. Test Setup



4.3. Test Data

	0.0	11	40.04007	All Dates	400 1.5
Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 18 of 33

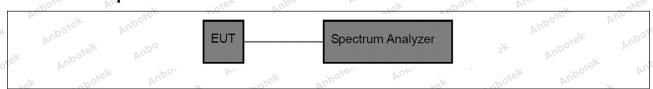
5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
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

×	Operating Envir	onment:	abořek	Aupore	Vu., Polsk	Aupolek	Aupor	12.
,d	Test mode:	1M) , , bote	Anlos	"K NO	works in cont	bring	ek anboit	Sk. Vi

5.2. Test Setup



5.3. Test Data

Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.





FCC ID: 2A2Y8-FS300C Report No.: 182518C400017101 Page 19 of 33

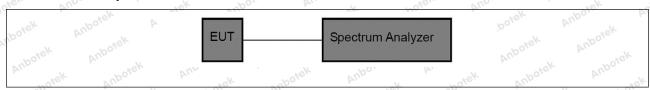
6. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Anbotek Test Limit: Anbotek Anbotek Anbotek Anbotek	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 Envir	onment:	hotek	Anboten	AUD	Yek.	hotek	Aupor	V.	Poisk
Test mode:	1: TX mod 1M) 2: TX mod	Anbore	VII.					hotek	Anbord
Ande	2M)	And A	w). Reep	abořek	Aupolia Vipolia	COITHIIGO	usiy ilalisi	Anbore Hoo	AUD AUD

6.2. Test Setup



6.3. Test Data

Temperature:	25.3 °C	Humidity:	48 %	Atmospheric Pressure:	101 kPa
10.	-/-	NO	Par.	- 10. I VUL	1

Please Refer to Appendix for Details.



Hotline



Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 20 of 33

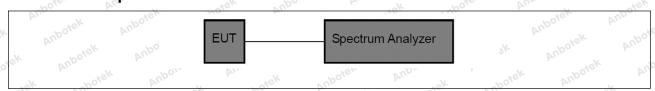
7. Emissions in non-restricted frequency bands

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

Operating Envir	onment:	boiek	Anbore	Arra	otek a	hotek	Aupo *ek	200
Test mode:	1M) 30000	e(BLE 1M): K e(BLE 2M): K	. 100			Vur.	abote	SK. Di

7.2. Test Setup



7.3. Test Data

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

Please Refer to Appendix for Details.





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 21 of 33

8. Band edge emissions (Radiated)

		- 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 § 15.20	ly with the
k Aupotek Aupot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300 000
botek Anbo	0.490-1.705	24000/F(kHz)	30 stell
	1.705-30.0	3000	30
	30-88	100 **	3.ek anbore
	88-216	150 **	3
	216-960	200 **	3 botel And
	Above 960	500	3 30%
	intentional radiators operatifrequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown	ragraph (g), fundamental emissing under this section shall not be z, 76-88 MHz, 174-216 MHz or 4 hese frequency bands is permitt § 15.231 and 15.241. In the tighter limit applies at the bein the above table are based on beak detector except for the frequency.	e located in the 470-806 MHz. ed under other and edges. measurements
	90 kHz, 110–490 kHz and a these three bands are base	above 1000 MHz. Radiated emised on measurements employing	sion limits in
tek ^{Vupotek} Yupo	90 kHz, 110–490 kHz and a these three bands are base detector.	above 1000 MHz. Radiated emised on measurements employing	sion limits in
Test Method:	90 kHz, 110–490 kHz and a these three bands are base	above 1000 MHz. Radiated emised on measurements employing 6.10	sion limits in

8.1. EUT Operation

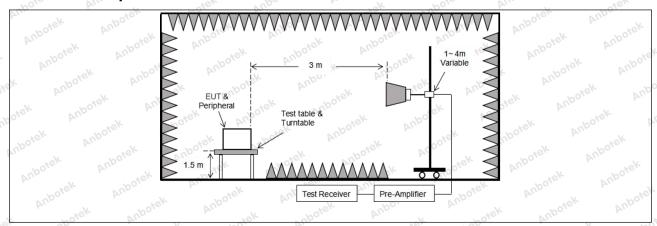
ole	Operating Envir	onment:	Aupoien	Anbo	. Ye	-botek	Anboro	VIII	atek an
10,000	Test mode:	1: TX mode(BLE 1M) 2: TX mode(BLE 2M)	AND G	· .'o			. Dr.	ek ,	nboren





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 22 of 33

8.2. Test Setup



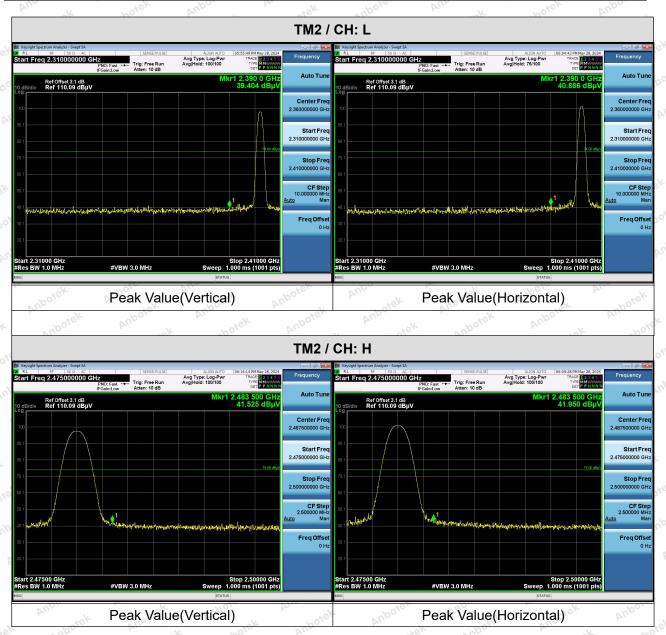




Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 23 of 33

8.3. Test Data

Temperature: 25.3 °C Humidity: 48 % 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.







Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 24 of 33

9. Emissions in frequency bands (below 1GHz)

Test Requirement:	restricted bands, as defin radiated emission limits s	pecified in § 15.209(a)(see § 15	
ek Anbotek Anbo	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300 Mport
ofer Ande	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30° Ack	30
	30-88	100 **	3rek noon
anboren Anbe	88-216	150 **	AT 3
	216-960	200 **	3 pore An
	Above 960	500 Solek Andrew	3
Test Limit: Arbotek Ar	intentional radiators opera frequency bands 54-72 M	paragraph (g), fundamental emis ating under this section shall not IHz, 76-88 MHz, 174-216 MHz o	be located in the or 470-806 MHz.
Test Limit; otek Anbotek	intentional radiators operafrequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table abo The emission limits show employing a CISPR quas 90 kHz, 110–490 kHz and	ating under this section shall not IHz, 76-88 MHz, 174-216 MHz on these frequency bands is perm	t be located in the or 470-806 MHz. nitted under other band edges. on measurements equency bands 9-nission limits in
Test Limit: Anborek Anborek Anborek Anborek Anborek Anborek Anborek	intentional radiators operafrequency bands 54-72 M However, operation within sections of this part, e.g., In the emission table about the emission limits show employing a CISPR quas 90 kHz, 110–490 kHz and these three bands are bar	ating under this section shall not IHz, 76-88 MHz, 174-216 MHz on these frequency bands is perm §§ 15.231 and 15.241. IVE, the tighter limit applies at the in the above table are based of i-peak detector except for the fred above 1000 MHz. Radiated emsed on measurements employing in 6.6.4	t be located in the or 470-806 MHz. nitted under other band edges. on measurements equency bands 9-nission limits in

9.1. EUT Operation

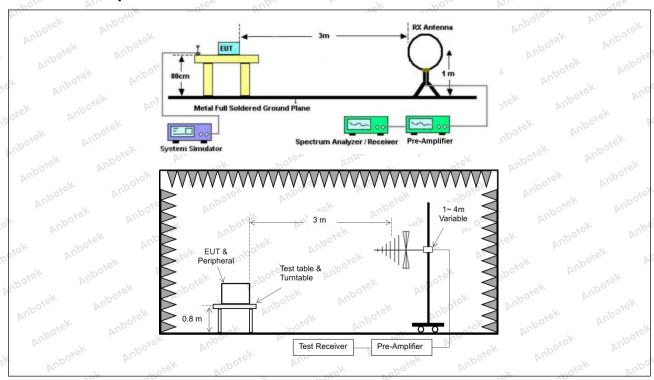
oie	Operating Envir	onment:	Anbotek	Anbe	F	notek A	upore Ar	siek vi
o'n,	Test mode:	1: TX mode(BLE 1M)	1M): Keep	the EUT v	works in	continuousl	y transmitting	mode (BLE
9	inbounde.	2: TX mode(BLE 2M)	2M): Keep	the EUT v	works in	continuousl	y transmitting	mode (BLE





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 25 of 33

9.2. Test Setup





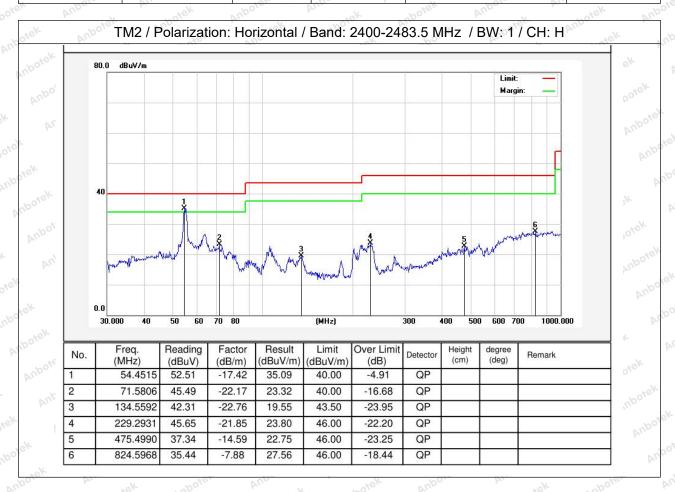


Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 26 of 33

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

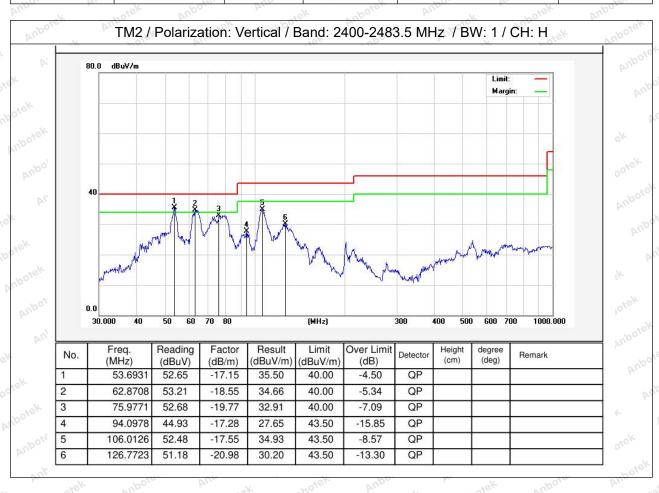






Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 27 of 33

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



Note:Only record the worst data in the report.









Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 28 of 33

10. Emissions in frequency bands (above 1GHz)

Test Requirement:		ons which fall in the restricted background by with the radiated emission 5(c)).	
k Aupotek Aupot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
o. W. Potek	0.009-0.490	2400/F(kHz)	300 Mbon
"upous Yun	0.490-1.705	24000/F(kHz)	30
botek Anbore	1.705-30.0	30	30
Yu. "ek "potek	30-88	100 **	3 ek
Anbor Air	88-216 216-960	150 ** 200 **	3
r upotek Aupo.	Above 960	500	3
nbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	frequency bands 54-72 MH However, operation within to 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	ing under this section shall not be z, 76-88 MHz, 174-216 MHz or these frequency bands is permitted as 15.231 and 15.241. In the tighter limit applies at the bein the above table are based on beak detector except for the frequency above 1000 MHz. Radiated emisted on measurements employing	470-806 MHz. ted under other pand edges. measurements quency bands 9–ssion limits in
potek Pupo, h	18k 190, by	O O PEK Spokek Pupo	V NOTOK
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		er Aupotek
Procedure:	ANSI C63.10-2020 section	6.6.4	DOL VIE

10.1. EUT Operation

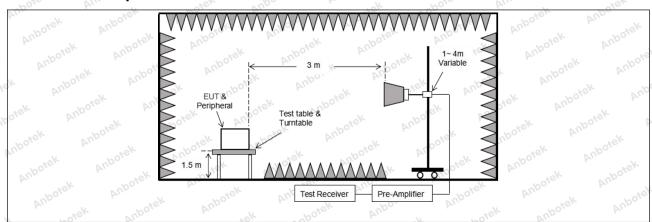
Operating Env	ironment:	Aupolek	Anbo	-hotel	k Anbore	VIII	atek no
Test mode:	1: TX mode(BLE 1M)	1M): Keep	the EUT w	orks in con	tinuously tra	nsmitting m	ode (BLE
Anbor Mode.	2: TX mode(BLE 2M)	2M): Keep	the EUT w	orks in con	tinuously tra	nsmitting m	ode (BLE





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 29 of 33

10.2. Test Setup







FCC ID: 2A2Y8-FS300C Report No.: 182518C400017101 Page 30 of 33

10.3. Test Data

Temperature: 20.3 °C Humidity: 46 %	Atmospheric Pressure: 101 kPa
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h	Pole. Vur	· · · · · · · · · · · · · · · · · · ·	Hek Vupo,		ok hoter	Ant
TM2 / CH: L						
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	29.33	15.27	44.60	74.00	-29.40	Vertical
7206.00	29.24	18.09	47.33	74.00	-26.67	Vertical
9608.00	30.39	23.76	54.15	74.00	-19.85	Vertical
12010.00	Anbore * A	iek .	abotek Anb	74.00	otek Anbort	Vertical
14412.00	VUPO*Sk	Aupo.	hotek P	74.00	siek sak	Vertical
4804.00	28.92	15.27	44.19	74.00	-29.81	Horizontal
7206.00	30.09	18.09	48.18	74.00	-25.82	Horizontal
9608.00	28.49	23.76	52.25	74.00	-21.75	Horizontal
12010.00	otek * Vupo	-V	ick Vupose	74.00	s nbotek	Horizontal
14412.00	woick* An	DOJE. VILL	rek abo	74.00	K Kote	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4804.00	17.60	15.27	32.87	54.00	-21.13	Vertical
7206.00	18.29	18.09	36.38	54.00	-17.62	Vertical
9608.00	19.86	23.76	43.62	54.00	-10.38	Vertical
12010.00	***	Aupolei Au	, ek	54.00	by.	Vertical
14412.00	And *	abotek	Aupor	54.00	ipotes And	Vertical
4804.00	17.25	15.27	32.52	54.00	-21.48	Horizontal
7206.00	19.12	18.09	37.21	54.00	-16.79	Horizontal
9608.00	18.00	23.76	41.76	54.00	-12.24	Horizontal
12010.00	***	olek Wupos	N Pu	54.00	Pup.	Horizontal
14412.00	Vpo. *	sorek ant	oter And	54.00	ek Aupor	Horizontal



Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 31 of 33

				hotek	Anbor	rek
			ГМ2 / СН: М			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	28.88	15.42	44.30	74.00	-29.70	Vertical
7320.00	29.21	18.02	47.23	74.00	-26.77	Vertical
9760.00	29.89	23.80	53.69	74.00	-20.31	Vertical
12200.00	ek * nbotek	Anbo.	hotek	74.00	And	Vertical
14640.00	* * *	tek Aupote	Pur Vie	74.00	Vupo.	Vertical
4880.00	28.73	15.42	44.15	74.00	-29.85	Horizontal
7320.00	29.96	18.02	47.98	74.00	-26.02	Horizontal
9760.00	28.21	23.80	52.01	74.00	-21.99	Horizontal
12200.00	* * otek	Anbore	And	74.00	Yupo.	Horizontal
14640.00	A.T. Siek	nbotek	Aupo.	74.00	Anboid	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	17.69	15.42	33.11	54.00	-20.89	Vertical
7320.00	18.15	18.02	36.17	54.00	-17.83	Vertical
9760.00	19.71	23.80	43.51	54.00	-10.49	Vertical
12200.00	k *upor	N Diek	anboter	54.00	aborek	Vertical
14640.00	otek * Anbot	And	sk spojek	54.00	k, hotek	Vertical
4880.00	17.36	15.42	32.78	54.00	-21.22	Horizontal
7320.00	19.47	18.02 A	37.49	54.00	-16.51	Horizontal
9760.00	18.30	23.80	42.10	54.00	wote 11.90 And	Horizontal
12200.00	Anboten	Anb rek	botek	54.00	-otek D	Horizontal
14640.00	* botek	Anbo	D. C. C.	54.00	And	Horizontal





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 32 of 33

IS. VUD	rek	"upo,	Dr.	hote.	AUD	No.
		•	TM2 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	29.01	15.58	44.59	74.00	-29.41	Vertical
7440.00	29.37	17.93	47.30	74.00	-26.70	Vertical
9920.00	30.59	23.83	54.42	74.00	-19.58	Vertical
12400.00	* otek	anbores	Anb	74.00	Anboi	Vertical
14880.00	* An	iek "pojek	, Vupo,	74.00	Aupote	Vertical
4960.00	28.87	15.58	44.45	74.00	-29.55	Horizontal
7440.00	30.17	17.93	48.10	74.00	-25.90	Horizontal
9920.00	28.59	23.83	52.42	74.00	-21.58	Horizontal
12400.00	Vup.*	abotek	Aupor b	74.00	rupoter Vul	Horizontal
14880.00	AC#DOLE	hotek	Anbores	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	18.81	15.58	34.39	54.00	-19.61	Vertical
7440.00	19.42	17.93	37.35	54.00	-16.65	Vertical
9920.00	20.36	23.83	44.19	54.00	-9.81	Vertical
12400.00	k * Upotek	Aupo,	hotek	54.00	Aug	Vertical
14880.00	* * *	k Aupore	Aug	54.00	Vupo.	Vertical
4960.00	18.54	15.58	34.12	54.00	-19.88	Horizontal
7440.00	20.27 And	17.93	38.20	54.00	-15.80	Horizontal
9920.00	18.45	23.83	42.28	54.00	+11.72	Horizontal
12400.00	* tek	Anbores	Aur	54.00	100 V.	Horizontal
14880 00	An*	botek	Anbe.	54 00	Vupotes V	Horizontal

Remark:

- 1. Result =Reading + Factor
- 2. "*" 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.





Report No.: 182518C400017101 FCC ID: 2A2Y8-FS300C Page 33 of 33

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 -----

