

Anbotek

Report No.:1821C40001112502 FCC ID: 2ANWF-ET16001

FCC Test Report

Applicant : Stanley Black & Decker, Inc.

Address New Britain Design Center, 600 Myrtle Street

New Britain CT United States

Product Name : Elite Code Reader

Report Date : Sept. 29, 2024

Shenzhen Anbotek











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TEST REPORT

Stanley Black & Decker, Inc. Applicant

Manufacturer Stanley Black & Decker, Inc.

Product Name Elite Code Reader

ET1600 Model No.

Trade Mark N/A

Car battery power supply: 12Vdc, 0.7A Rating(s) Battery Capacity: DC 3.7V, 600mAh

47 CFR Part 15.247

ANSI C63.10-2020 Test Standard(s)

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:	Aug. 05, 2024
Aupo tek upotok Aupono A.	Potek Pupotek Tup.
Date of Test:	Aug. 05, 2024 to Sept. 10, 2024
polek Aupote Au Polek Aupotek	Tu Tu Hong
Prepared By: Anborek Anborek	Augores Augores Augo
Aupotek Aupo	(TuTu Hong)
Aupotek Aupotek Aupotek Au	Conflorgin
Approved & Authorized Signer:	Muse Market Mark
Aug Tex	Andrew Aller

Email: service@anbotek.com



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Revision History

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Re	eport Versi	on		Description			Issued	Date	
potek	R00	Vupo.	5/-	Original Issue	Dolo.	Vin	Sept. 29	, 2024	And
Aupotek	Aupolen	ek And	potek	Aupolek	Vupo, Polek	V.	potek	Aupore	
Aupotek	Aupo,	rek b.	Vupotek	Auporo	Vun	3/4	Vupoley.	Anbo	otek

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1. General Information

1.1. Client Information

Applicant	:	Stanley Black & Decker, Inc.
Address	:	New Britain Design Center, 600 Myrtle Street New Britain CT United States
Manufacturer	:	Stanley Black & Decker, Inc.
Address	:	New Britain Design Center, 600 Myrtle Street New Britain CT United States

1.2. Description of Device (EUT)

1 - O 1	124	. In the second of the second
Product Name	:	Elite Code Reader
Model No.	:	ET1600 And Andrew Andre
Trade Mark	:	N/A Aupotek Aupotek Aupotek Aupotek
Test Power Supply	:	DC 5V via Smart Box input AC 120V/60Hz from Adapter
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A tek Anbotek Anbo
RF Specification		
Operation Frequency	:	2402MHz to 2480MHz
Number of Channel	:	40 Motek Anbote, Will Potek Aupotek Aupotek
Modulation Type	:	GFSK Anbotek Anbotek Anbotek Anbotek Anbotek
Antenna Type	:	FPC Antenna hotek Anbotek Anbotek Anbotek
Antenna Gain(Peak)	:	3.91dBi

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.









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Anbotek 1.3. Auxiliary Equipment Used During Test

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upolek	1.3. Auxiliary Equipn	nent Used During Test	tek Aupolek Au	pote, Augotek
Anboick	Title	Manufacturer	Model No.	Serial No.
Anb	Acer Computer	Anbotek acer	N19W3	2020AJ3862
1	Smart Box	Launch Tech Co., Ltd.	Smartbox	K Polek Vupo,
rek Viek	SWITCHING POWER SUPPLY	Shenzhen Pengshengye Electronic Co., Ltd.	PSY1203000	Popek Wipopek b

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1.4. Operation channel list

Operation Band:

Operation	pariu.	OLO VI		16/2	VUD	100	700,
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Wpore O	2402	An110	2422	20,5016	2442	30	otek 2462 kup
Anboto	2404	11/0/6	2424	× 21 Anbs	2444 Anbo	31	2464
200	2406	12 Anbol	2426	otek 22	2446	32	2466
3 Aupoli	2408	otek 13 A	2428	23	2448	Anbata	2468
otek 4 An	2410	, 14	2430	24 ₁₆ k	2450	34	2470
nbotel5	2412	15.4	2432	25	2452 ₁₀ 01e ^k	35 Anbox	2472
6ek	2414	16 , otek	2434	26	2454 _{nb}	rek 36 Ari	2474
7 notek	2416	17	10× 2436 MOO	27 Ant	2456	nbore37	2476
8 300	× 2418, 1001	18	2438	1001e ¹ 28	2458	38	2478
9	100 2420 AT	19	2440	29	2460	39 _{otek}	2480

1.5. Description of Test Modes

Pretest Modes	Descriptions				
And Andotek TM1 Andotek	Keep the EUT in continuously transmitting mode with GFSK modulation.				

1.6. Measurement Uncertainty

Uncertainty
3.4dB
925Hz Andrew Andrew Andrew
0.76dB
0.76dB
1.24dB Anbotek Anbotek
1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
3.53dB Anbotek Anbo
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.







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Anbotek 1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	Anbore / Am	Rupo'
Conducted Emission at AC power line	Mode1	P P
Occupied Bandwidth	Mode1	potek P
Maximum Conducted Output Power	Mode1	P
Power Spectral Density	Mode1	Pie
Emissions in non-restricted frequency bands	Mode1	P
Band edge emissions (Radiated)	Mode1	P
Emissions in frequency bands (below 1GHz)	Mode1	Р
Emissions in frequency bands (above 1GHz)	Mode1	Note P

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1.8. Description of Test Facility

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

FCC-Registration No.:434132

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

ISED-Registration No.: 8058A

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

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

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.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
- 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- 6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.



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1.10. Test Equipment List

Aupolek	Cond	ucted Emission at A	C power line	An apolek	Aupoten	k Pup	Aupolek
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
otek ek	Anbo	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2024-01-17	2025-01-16
Anboick	3	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A orek	PApolo	Anborek
Anb	1 ^c 4	EMI Test Receiver	Rohde & Schwarz	ESPI3	100926	2023-10-12	2024-10-11

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Occupied Bandwidth

Maximum Conducted Output Power

Power Spectral Density

Emissions in non-restricted frequency bands

		V	-0.5			- Lo G *
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1001°1	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/A Anoo	2023-10-16	2024-10-15
Anbox	DC Power Supply	IVYTECH	1001VIV3605 N	1804D360 510	2023-10-20	2024-10-19
3	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	2024-05-06	2025-05-05
, 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 oto	MXG RF Vector Signal Generator	Agilent And	N5182A	MY474206 47	2024-02-04	2025-02-03



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Vur	olek Vupolek	Aupo, Fek	upolek A	nbolo	V. Potek	Anboren A
	edge emissions (Ra sions in frequency ba		Aupolek	Vupo _{ter}	Aupolek	Aupolek
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	Alpotek	Aupole Votek
₀ /e\ 5	Horn Antenna	A-INFO	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
Anba 2	Pre-amplifier	SONOMA	310N A	186860	2024-01-17	2025-01-16
3 ^{A,ric}	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 / Aupote	Anbo

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Report No.:1821C40001112502 FCC ID: 2ANWF-ET16001

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 FPC antenna which permanently attached, and the best case gain of the antenna is 5.81 dBi. It complies with the standard requirement.

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3. Conducted Emission at AC power line

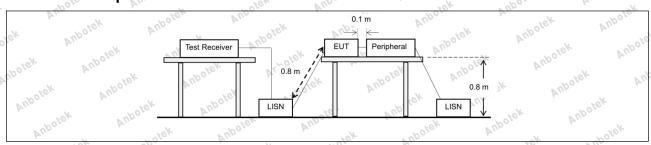
Otek Vupotek	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator to public utility (AC) power line, the radiator to public utility (AC) power line, the radiator to the	that is designed to be con adio frequency voltage tha	nected to the
Test Requirement:	back onto the AC power line 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	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 K	.56 h	46
ick spoker	5-30 hotek And	60	50
Anbout K hotek	*Decreases with the logarithm of the	ne frequency.	botek
Test Method:	ANSI C63.10-2020 section 6.2	polek Aupore	V. Olek
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from unli		od for ac power-

3.1. EUT Operation

Anbotek

Operating En	vironment:	Anboick	Vup.	" upotek	Aupor	P. Spolek	Anh
Test mode:	1: TX mo modulation		EUT in cont	inuously trans	mitting mode w	ith GFSK	
3.2. Test Se	etup społek	Aupole.	k Am	otek Anb	otek Ando	rek and	lek

3.2. Test Setup



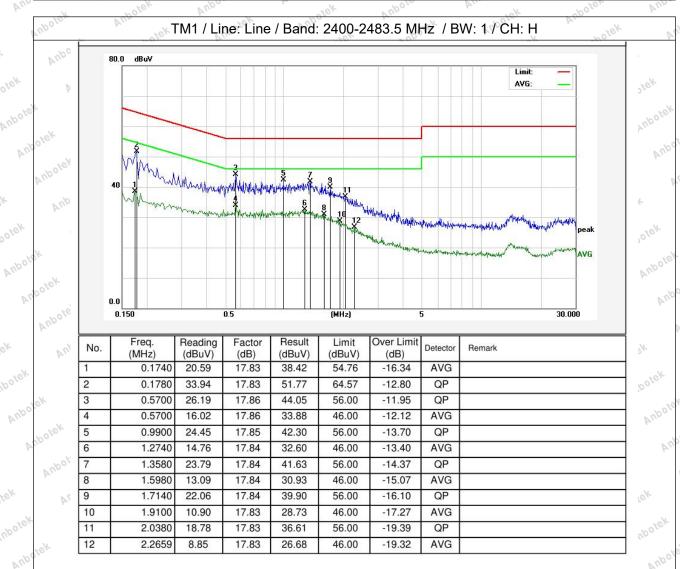






3.3. Test Data

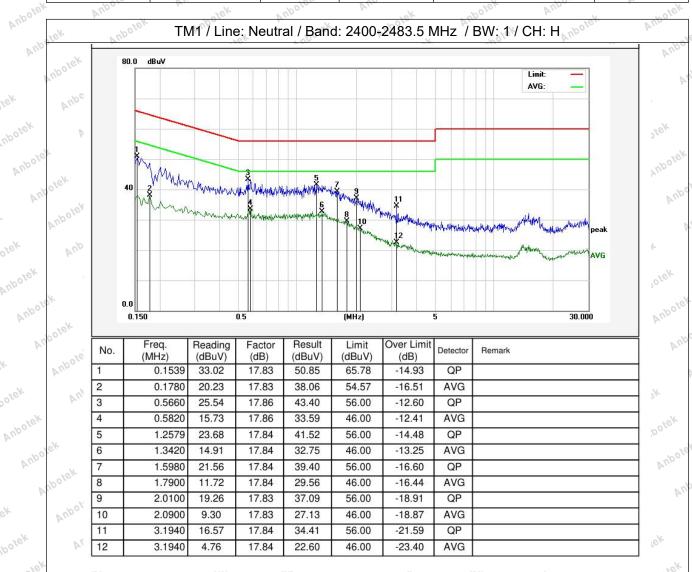
Temperature: 23.7 °C Humidity: 57 % Atmospheric Pressure: 101 kPa







Temperature: 23.7 °C Humidity: 57 % Atmospheric Pressure: 101 kPa



Note: Only record the worst data in the report.







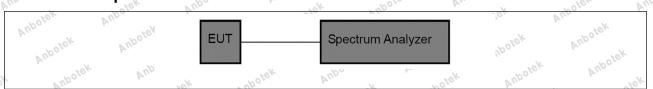
4. Occupied Bandwidth

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 Envir	onment:	* upotek	Aupo	A. hotek	Anboles	Vun
Test mode:	1: TX mode: Kee modulation.	p the EUT in	continuously	transmitting mo	ode with GFSK	Aup

4.2. Test Setup



4.3. Test Data

Temperature. 24.6 C Fulfillulty. 55 % Almospheric Pressure. 101 kPa	Temperature: 24	4.8 °C	Humidity: 5	53 % And a	Atmospheric Pressure:	101 kPa	b.
---------------------------------------------------------------------	-----------------	--------	-------------	------------	-----------------------	---------	----

Please Refer to Appendix for Details.







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Report No.:1821C40001112502 FCC ID: 2ANWF-ET16001

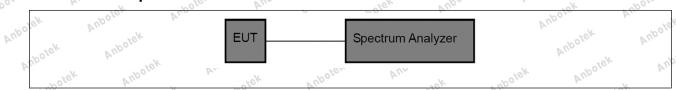
5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Vuporek Vuporek	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.
Test Limit:	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
Votek Vupotek	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 Envi	ronment:	Viek	Anboiek	Vup.	"upolek	Anbor	β.,
Test mode:	1: TX modulation	100	EUT in contir	nuously transmi	tting mode witl	n GFSK	7

5.2. Test Setup



5.3. Test Data

6	Temperature:	24.8 °C	Humidity:	53 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.



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Report No.:1821C40001112502 FCC ID: 2ANWF-ET16001

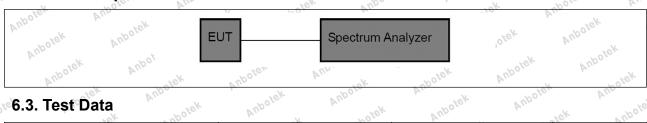
6. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
nbotek 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	William Toky William Park Wolfe, Mr.

6.1. EUT Operation

6.1. EUT Ope	eration	Aupolek	Anbo	Vupolek	Anbore	VII.
Operating Envi	ronment:	Aupolek	Aupo	abolek	Aupore	V. Polek
Test mode:	1: TX mode: I modulation.	Keep the EU	Γ in continuous	ly transmitting	mode with GFS	K And

6.2. Test Setup



6.3. Test Data

Temperature:	24.8 °C	Humidity:	53 %	Atmospheric Pressure:	101 kPa
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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	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	Aupote Amotek Aupotek Aupotek Aupotek Aupotek Aupotek

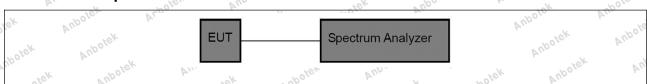
7.1. EUT Operation

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Anborek

Operating Env	ironment:	Vupo Stok	Anbotek	Aupor	W. Spolek	Aupore	Viv
Test mode:	1: TX mo modulati	-V-	EUT in contin	nuously transn	nitting mode with	n GFSK nboten	ek V

7.2. Test Setup



7.3. Test Data

Temperature: 24.8 °C Humidity: 53 % Atmospheric Pressure:	101 kPa
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Please Refer to Appendix for Details.







8. Band edge emissions (Radiated)

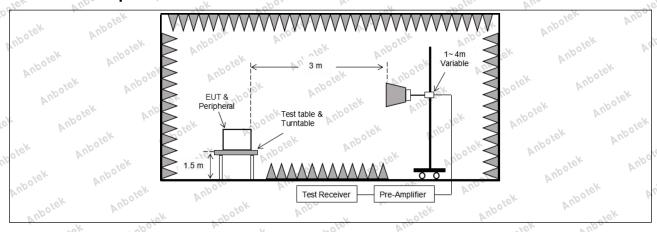
Test Requirement:		ecified in § 15.209(a)(see § 15.2	ply with the 205(c)).`
Anbotek Anbotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
upotek Aupo	0.009-0.490	2400/F(kHz)	300 And
V. Vek	0.490-1.705	24000/F(kHz)	30 Notes
Anbo	1.705-30.0	30 Aug	30
ek abolek	30-88	100 **	3 ter And
V. Vil	88-216	150 **	3
Polek Aupor	216-960	200 **	3 rek
'iek	Above 960	500 hotel And	3
Test Limit: Anbound	intentional radiators opera	aragraph (g), fundamental emiss ting under this section shall not b	e located in the
Test Limit: Anbovek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	intentional radiators opera frequency bands 54-72 MH However, operation within sections of this part, e.g., § In the emission table abov The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and these three bands are bas	aragraph (g), fundamental emiss ting under this section shall not b Hz, 76-88 MHz, 174-216 MHz or these frequency bands is permit	be located in the 470-806 MHz. Ited under other band edges. Immeasurements quency bands 9–ssion limits in
Test Limit: Anborek	intentional radiators opera frequency bands 54-72 Mł However, operation within sections of this part, e.g., { In the emission table abov The emission limits shown employing a CISPR quasi-90 kHz, 110–490 kHz and these three bands are bas detector.	aragraph (g), fundamental emiss ting under this section shall not be 1z, 76-88 MHz, 174-216 MHz or these frequency bands is permit §§ 15.231 and 15.241. e, the tighter limit applies at the bein the above table are based on peak detector except for the free above 1000 MHz. Radiated emised on measurements employing	be located in the 470-806 MHz. Ited under other band edges. Immeasurements quency bands 9–ssion limits in
Test Limit:	intentional radiators opera frequency bands 54-72 MH However, operation within sections of this part, e.g., § In the emission table abov The emission limits shown employing a CISPR quasi- 90 kHz, 110–490 kHz and these three bands are bas	aragraph (g), fundamental emiss ting under this section shall not be 1z, 76-88 MHz, 174-216 MHz or these frequency bands is permit \$\frac{8}{2}\frac{15.231}{2}\frac{15.241}{2}\text{e}, the tighter limit applies at the bein the above table are based on peak detector except for the free above 1000 MHz. Radiated emised on measurements employing \$\frac{16.10}{2}\text{6.10}\$	be located in the 470-806 MHz. Ited under other band edges. Immeasurements quency bands 9–ssion limits in

8.1. EUT Operation

Operating Envi	ronment:	Anbo	Polek	Aupore	VIII	Aupolek
Test mode:	1.0	Dr.	JT in continuo	usly transmitti	ng mode with GF	SK, Toolek
K Spole	modulation	1. jel	K Aupo,		tok apole.	VIII

8.2. Test Setup

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Aupolek

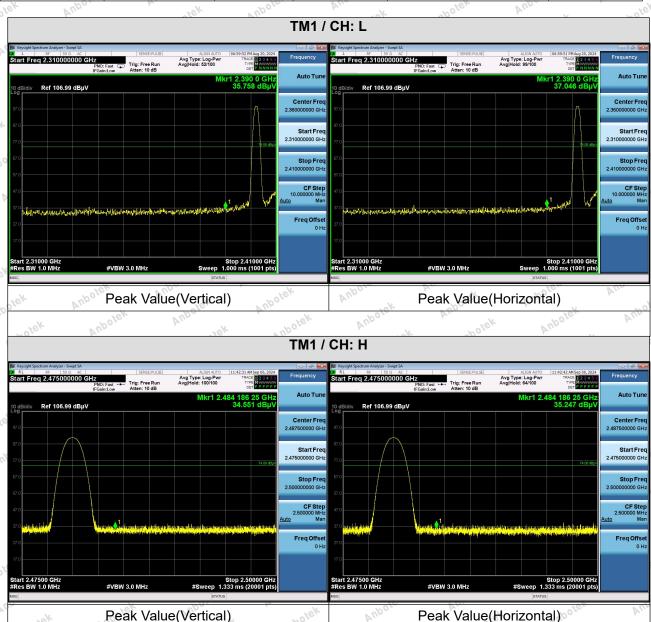
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Report No.:1821C40001112502 FCC ID: 2ANWF-ET16001

8.3. Test Data

Temperature: 24.8 °C Humidity: 53 % Atmospheric Pressure: 101 kPa



Note: 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.:1821C40001112502 FCC ID: 2ANWF-ET16001

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
Vupotek Vupotek	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 hote
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 vuporer	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 within the section within the section within the section of the section within the section with	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. In measurements quency bands 9- ssion limits in

9.1. EUT Operation

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Operating Envi	ronment:	Anbo	holek	Anbor	V. Ofek	Aupole.
Test mode:	1: TX mode	: Keep the El	JT in continuou	sly transmittir	ng mode with GF	SK Stek
rest mode.	modulation.	rek	Aupore	V.	ok abolek	VUD.





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Report No.:1821C40001112502 FCC ID: 2ANWF-ET16001

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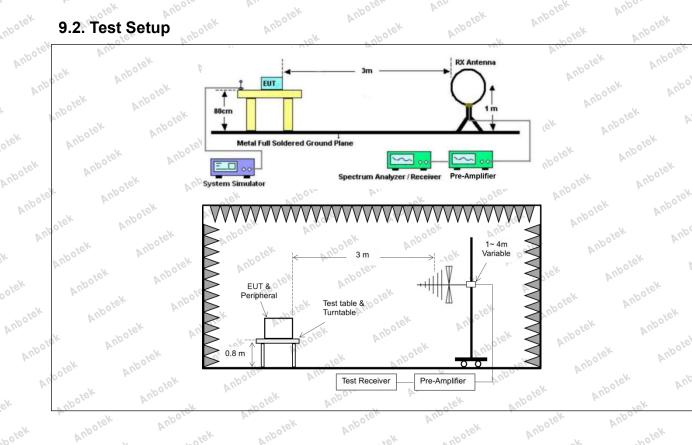
Anbolek 9.2. Test Setup

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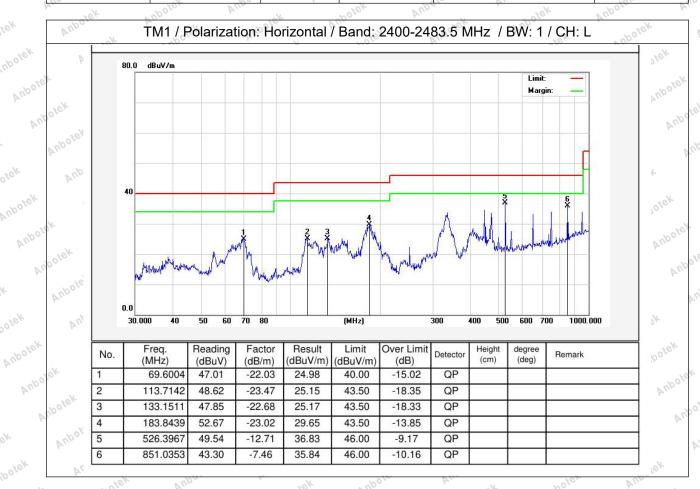
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9.3. Test Data

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

Temperature: 20.3 °C Humidity: 46 % Atmospheric Pressure:	101 kPa	4-
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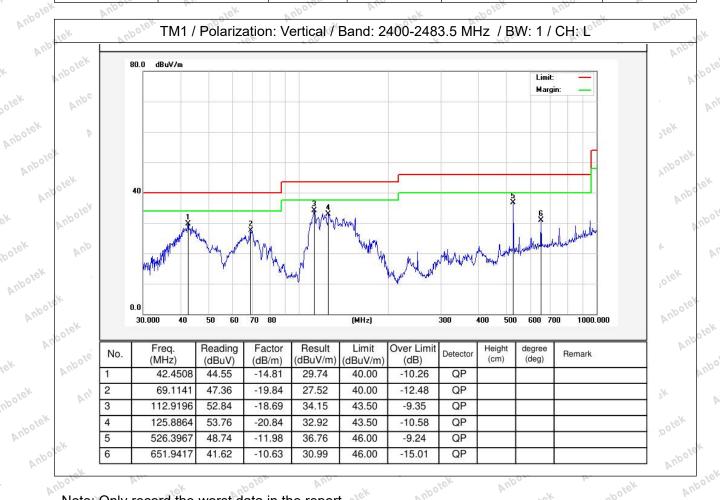
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Report No.:1821C40001112502 FCC ID: 2ANWF-ET16001

	Temperature:	20.3 °C	Humidity:	46 %	Atmospheric Pressure:	101 kPa
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Note: Only record the worst data in the report.







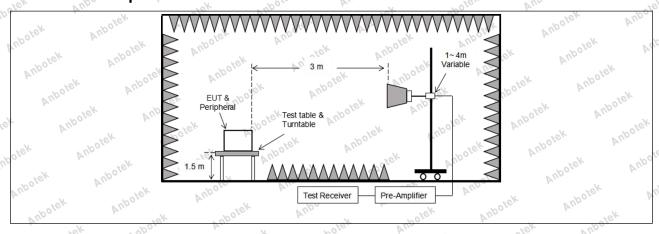
10. Emissions in frequency bands (above 1GHz)

Test Requirement:		ons which fall in the restricted background the comply with the radiated emission 5(c)).	
Aupotek Aupotek	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
Auporen Aup	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300
ek Anbotek Anb	1.705-30.0	30 K hotek And	30
iek "upolek	30-88	100 **	3 tel
Aos W. Wolek	88-216 216-960	150 ** 200 **	3 nbotek
Aupole, Aug Siek	Above 960	500 abotek Anbat	3 week
Test Limit:		ragraph (g), fundamental emissi	
abotek Anbore		ing under this section shall not b z, 76-88 MHz, 174-216 MHz or	
ek Anbotek An	However, operation within t sections of this part, e.g., §	hese frequency bands is permitt § 15.231 and 15.241.	ed under other
botek Anbote		e, the tighter limit applies at the b in the above table are based on	
Vupotek Vupotek	employing a CISPR quasi-p 90 kHz, 110–490 kHz and a	peak detector except for the freq above 1000 MHz. Radiated emis	uency bands 9– sion limits in
Aupoles Aug	these three bands are base detector.	ed on measurements employing	an average
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		potek Anbotek
Procedure:	ANSI C63.10-2020 section	6.6.4 otek And	abotek Anbor

10.1. EUT Operation

Operating Envi	ronment:	Aupor	holek	Anbole	And	Aupolek
Test mode:	1: TX mode modulation.	Dav.	EUT in continuou	ısly transmitti	ng mode with GF	SK Anbotek

10.2. Test Setup





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Report No.:1821C40001112502 Anbotek FCC ID: 2ANWF-ET16001

10.3. Test Data

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Anbolek

Aupolek

10.3. Test Data	Aupolek 16k	Aupo, upotek	Aupotek Aupote	k Aupolek
Temperature: 24.8 °C	Humidity:	53 %	Atmospheric Pressure	e: 101 kPa

Aupolek

ek anbote	Yun.	, otok	VUDO	y shotek	, upor	<i>b</i> ′.
ek Aupore	, lek	, up.	TM1 / CH: L	k "por	, , , , , , , , , , , , , , , , , , ,	, , , , o't'
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	29.83	15.27	45.10	74.00	-28.90	Vertical
7206.00	29.66	18.09	47.75	74.00	-26.25	Vertical
9608.00	30.98	23.76	54.74	74.00	-19.26	Vertical
12010.00	100kg * Aug	rek vupo	ick Vupo	74.00	oick Aupo	Vertical
14412.00	" Wolfek * Vup	-%	Polek PL	74.00	Clek D	Vertical
4804.00	29.38	15.27	44.65	74.00	-29.35	Horizontal
7206.00	30.70	18.09	48.79	74.00	-25.21	Horizontal
9608.00	28.70	23.76	52.46	74.00	-21.54	Horizontal
12010.00	lek Yupole	Vun	upotek	74.00	k spoick	Horizontal
14412.00	* hopote	K Anbor	, 10°	74.00	A	Horizontal
Average valuency	Reading	Factor	Result	Limit	Over Limit	polarization
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
4804.00	h	15.27	33.37	54.00	-20.63	Vertical
7206.00	18.71	18.09	36.80	54.00	-17.20	Vertical
9608.00	20.45	23.76	44.21	54.00 NO	-9.79	Vertical
12010.00		iek Au	otek And	54.00	Polek Vul	Vertical
14412.00	hopotek * Ar	10°	abolek 1	54.00	wotek.	Vertical
4804.00	17.71	15.27	32.98	54.00	-21.02	Horizontal
7206.00	19.73	18.09	37.82	54.00	-16.18	Horizontal
9608.00		23.76	41.97	54.00	-12.03	Horizontal
12010.00	otel * Aupore	V _{Ur}	anbotel	54.00	1000 10	Horizontal
14412.00	* 400	ick Vupo,	Y	54.00 M	V. VIII	Horizontal

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Report No.:1821C40001112502 Anboiek FCC ID: 2ANWF-ET16001

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Aupotek Aut	Auporek V.	hotek An	ole VII.	Aupolek A	upotek Ar	Aupolek
"oler	And	187	ГМ1 / CH: M	,	-pole.	Ans
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880.00	10 tek 29.38 km²	15.42	44.80	74.00 M	-29.20	Vertical N
7320.00	29.63	18.02	47.65	74.00	-26.35	Vertical
9760.00	30.48	23.80	54.28	74.00	-19.72	Vertical
12200.00	Vupo*	Vung.	"upolek	74.00	hotek	Vertical
14640.00	*bolek	Aupor	"olek	74.00	Vun	Vertical
4880.00	29.19	15.42	44.61	74.00	-29.39	Horizontal
7320.00	30.57	18.02	48.59	74.00	ovek -25.41 M	Horizontal
9760.00	28.42	23.80	52.22	74.00	-21.78	Horizontal
12200.00	Jek*	Aupoles A	up.	74.00	Aupo	Horizontal
14640.00	Vup. *	upotek	Vupote.	74.00	Anboice	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4880.00	18.19	otek 15.42 And	33.61	54.00	-20.39	Vertical
7320.00	18.57	18.02	36.59	54.00	-17.41	Vertical
9760.00	20.30	23.80	44.10	54.00	-9.90	Vertical
12200.00	*hotek	Anborek	All Olek	54.00	VUD.	Vertical
14640.00	All *	VUPOICH	Anbo	54.00	Aupor	Vertical
4880.00	17.82	15.42	33.24	54.00	-20.76	Horizontal
7320.00	20.08	18.02	38.10 M	54.00	-15.90	Horizontal
9760.00	18.51	23.80	42.31	54.00	-11.69	Horizontal
12200.00	Vupa *	Vupolek.	Anbolo	54.00	Aupolek	Horizontal
14640.00	Aupor*	Viek	Aupolek	54.00	abotek	Horizontal

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		٦	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	29.51	15.58	45.09	74.00 M	-28.91	Vertical
7440.00	29.79	17.93	47.72	74.00	-26.28	Vertical
9920.00	31.18	23.83	55.01	74.00	-18.99	Vertical
12400.00	* Apotek	Anbo	Polek.	74.00	Vier	Vertical
14880.00	* otek	Anboiek	Yun ick	74.00	Auporg	Vertical
4960.00	29.33	15.58	44.91	74.00	-29.09	Horizontal
7440.00	30.78	17.93	48.71 nb ^{ott}	74.00	-25.29	Horizontal
9920.00	28.80	23.83	52.63	74.00 M	-21.37	Horizontal
12400.00	*	upolek b	upo.	74.00	Anbole A	Horizontal
14880.00	Aupor *	, otek	Vupolek	74.00	" upolek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4960.00	19.31	15.58	34.89	54.00	o ^{vek} -19.11 k ^{nb}	Vertical
7440.00	19.84 M	17.93	37.77	54.00	-16.23	Vertical
9920.00	20.95	23.83	44.78	54.00	-9.22	Vertical
12400.00	Yun *	* upolek	Anos	54.00	Aupoice	Vertical
14880.00	Vult.	Polek	Anbolo	54.00	VUPOFER	Vertical
4960.00	19.00	15.58	34.58	54.00	-19.42	Horizontal
7440.00	20.88 _{nb} ot	17.93 ^{nb0}	38.81	54.00 habo	-15.19	Horizontal
9920.00	18.66	1016 23.83 AN	42.49	54.00	10010 -11.51 And	Horizontal
12400.00	'upole, * V	16k	anboiek 1	54.00	abolek	Horizontal
14880.00	, upotak	Aupole -k	Polek	54.00	Viek	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.





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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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