

 Report No.:
 18220WC30271601
 FCC ID: 2BDY9-RG-M
 Page 1 of 30

FCC Test Report

Applicant : MKETech Electronics

Address

2000 South Grove Avenue, Suite 109, Ontario, California, United States

Product Name : Wireless Dongle

Report Date : May 20, 2024



Shenzhen Anbotek

Shenzhen Anbotek Compliance Laboratory Limited

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





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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:

Date of Test:

Prepared By:

Dec. 20, 2023

Dec. 20, 2023 to Jan. 02, 2024

Stella zhu

(Stella Zhu)

Idward pan

(Edward Pan)

Approved & Authorized Signer:

Shenzhen Anbotek Compliance Laboratory Limited

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Revision History

Report Ve	rsion		Description			Issued	Date	
R00	obotek Ant	otek (Original Issue.	Inbotek	Anbore.	May 20	, 2024	Anbote
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1. General Information

1.1. Client Information

Applicant	:	MKETech Electronics
Address	:	2000 South Grove Avenue, Suite 109, Ontario, California, United States
Manufacturer	:	Dongguan ShangGui Electronics Co.,Ltd.
Address	:	Room 101,No.7, Yincheng 7nd Road.,Xiabian Village, Chang'an Town,Dongguan City, GuangDong Province, China
Factory	:	Dongguan ShangGui Electronics Co.,Ltd.
Address	:	Room 101,No.7, Yincheng 7nd Road.,Xiabian Village, Chang'an Town,Dongguan City, GuangDong Province, China

1.2. Description of Device (EUT)

Product Name	:	Wireless Dongle
Test Model No.	:	RG-M Andrek Andrek Andrek Andrek Andrek
Reference Model No.	:	N/A ^{potek} Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Trade Mark	:	N/AAnbor tek Anborek Anborek Anborek Anborek Anborek Anbor
Test Power Supply	:	DC 5V via PC
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	:	N/A Andrek Anborek Anborek Anborek Anborek Anborek
RF Specification		
Operation Frequency	:	2405-2470MHz
Number of Channel	:	16 Ante Laborek Anborek Anborek Anborek Anborek Anborek
Modulation Type	:	GFSK Andrew Andrew Andrew Andrew Andrew Andrew
Antenna Type	:	PCB Antenna
Antenna Gain(Peak)	:	-1.35dBi
		ation are provided by customer. eatures description, please refer to the manufacturer's specifications or the

User's Manual.

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1.3. Auxiliary Equipment Used During Test

	Title	Manufacturer	Model No.	Serial No.
	Acer Computer	And acer Anbotek	N19W3	2020AJ3862
,e	Acer Computer Adapter	Lite-On Technology Corporation	PA-1650-58	KP06503020

1.4. Operation channel list

operation Barra.	V NOV	D//.	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
Anbor 0 An abote	2405 Mark	Anbote 8 Anbot	2440
Anbort Ant	2409	ek nbc9ek Anbo	2445
ek Anb2r And	2413	ek 10orek Ar	2450
botek A3poter A	2417	11 botek	2455
botek 4 Anboten	And 2422 potek	Anbor 12 hotek	2460 2460
And sotek 5 Anbotek	2426	Anbore 13 And Lotek	2465 Miles
And stelf unbotek	2430 2430	Anbore 14 And	2467
Anbo 7ek	2435	Anb 15 Anbo	2470 Anbor
K 70. W.	NV. AN	1 20	NO. N.

1.5. Description of Test Modes

Pretest Mode	6	Descriptions	
Anborn TM1 otek	Anbo	Keep the EUT in continuously transmitting mode	Anbore

1.6. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.8dB
Occupied Bandwidth	925Hz
Conducted Output Power	0.76dB
Power Spectral Density	0.76dB
Conducted Spurious Emission	1.24dB
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB 18G-40GHz: 5.68dB
Radiated emissions (Below 30MHz)	3.53dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.92dB; Vertical: 4.52dB
The measurement uncertainty and decision risk eva This uncertainty represents an expanded uncertain	

level using a coverage factor of k=2.

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1.7. Test Summary

Test Items	Test Modes	Status
Antenna requirement	hotek / Anboter	P
Conducted Emission at AC power line	Mode1	P
Occupied Bandwidth	Mode1	PANU
Maximum Conducted Output Power	Mode1	P Pro-
Power Spectral Density	Mode1	Pk Pk
Emissions in non-restricted frequency bands	Mode1	Anbo, Potek
Band edge emissions (Radiated)	Mode1 Mode1	P P
Emissions in frequency bands (below 1GHz)	Mode1	Pane
Emissions in frequency bands (above 1GHz)	Mode1	P An
Note: P: Pass	Anbotek Anbotek A	nbote.

Anbote

ANK

Anbotek

Anbo

N: N/A, not applicable

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1.8. Description of Test Facility

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

FCC-Registration No.:434132

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

ISED-Registration No.: 8058A

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

Test Location

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

1.9. Disclaimer

- 1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
 - 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
 - 6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

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

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1.10. Test Equipment List

Conducted Emission at AC power line

200	·	note. Dur	.0	4	Pr. V	100
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
<u>к</u> 1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2023-10-12	2024-10-11
otek 2	Three Phase V- type Artificial Power Network	CYBERTEK	EM5040DT	E215040D T001	2023-07-05	2024-07-04
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2023-10-12	2024-10-11
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A Anbo	rek /Anborek	Anbo, ek Anborek
	tothe short	p.c.	der MP		set soo	

Maxir Powe	pied Bandwidth num Conducted Out r Spectral Density sions in non-restricte	oter And Lak	Anbotek A Anbotek	Anbotek Ar	Anbotek An Anbotek	botek Anbo. Anbotek An
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1 Aug	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ- KHWS80B	N/Asnbo	2023-10-16	2024-10-15
_گ 2	DC Power Supply	IVYTECH	IV3605	1804D360 510	2023-10-20	2024-10-19
°°,3	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	101792	2023-05-26	2024-05-25
An4ote	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY505318 23	2023-02-23	2024-02-22
5.00	Oscilloscope	Tektronix	MDO3012	C020298	2023-10-12	2024-10-11
6 🖻	MXG RF Vector Signal Generator	Agilent	N5182A	MY474206 47	2023-02-23	2024-10-22

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		Anbore	Antotek	Anboten	Anbotek	
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date	
EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11	
2 EMI Preamplifier SKET Electronic		LNPA- 0118G-45	SKET-PA- 002	2023-10-12	2024-10-11	
Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15	
EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	And	Anbotek	
Horn Antenna	A-INFO	LB-180400- KF	J21106062 8	2023-10-12	2024-10-11	
6 Spectrum Analyzer Rohde & Schwarz		FSV40-N	101792	2023-05-26	2024-05-25	
Amplifier	Talent Microwave	TLLA18G40 G-50-30	23022802	2023-05-25	2024-05-24	
	sions in frequency ba Equipment EMI Test Receiver EMI Preamplifier Double Ridged Horn Antenna EMI Test Software EZ-EMC Horn Antenna Spectrum Analyzer	EMI Test ReceiverRohde & SchwarzEMI PreamplifierSKET ElectronicDouble Ridged Horn AntennaSCHWARZBECKEMI Test Software EZ-EMCSHURPLEHorn AntennaA-INFOSpectrum AnalyzerRohde & Schwarz	sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.EMI Test ReceiverRohde & SchwarzESR26EMI PreamplifierSKET ElectronicLNPA- 0118G-45Double Ridged Horn AntennaSCHWARZBECKBBHA 9120DEMI Test Software EZ-EMCSHURPLEN/AHorn AntennaA-INFOLB-180400- KFSpectrum AnalyzerRohde & SchwarzFSV40-NAmplifierTalent MicrowaveTLLA18G40	Sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.Serial No.EMI Test ReceiverRohde & SchwarzESR26101481EMI PreamplifierSKET ElectronicLNPA- 0118G-45SKET-PA- 002Double Ridged Horn AntennaSCHWARZBECKBBHA 9120D02555EMI Test Software EZ-EMCSHURPLEN/AN/AHorn AntennaA-INFOLB-180400- KF8Spectrum AnalyzerRohde & SchwarzFSV40-N101792AmplifierTalent MicrowaveTLLA18G40 2302280223022802	sions in frequency bands (above 1GHz)EquipmentManufacturerModel No.Serial No.Last Cal.EMI Test ReceiverRohde & SchwarzESR261014812023-10-12EMI PreamplifierSKET ElectronicLNPA- 0118G-45SKET-PA- 0022023-10-12Double Ridged Horn AntennaSCHWARZBECKBBHA 9120D025552022-10-16EMI Test Software EZ-EMCSHURPLEN/AN/A/Horn AntennaA-INFOLB-180400- KFJ21106062 	

Emissions in frequency bands (below 1GHz)

	biolio in noquolloy be						
Item	tem Equipment Manufactu		Model No.	Serial No.	Cal.Due Date		
1	1EMI Test ReceiverRohde & Schwarz2Pre-amplifierSONOMA		ESR26	101481	2023-10-12	2024-10-11 2024-10-11	
<u>,</u> 2			310N	186860	2023-10-12		
34	Bilog Broadband Antenna	Schwarzbeck		345 2022-10-23		2025-10-22	
Antore	Loop Antenna (9K- 30M)	Schwarzbeck	FMZB1519 B	00053	2023-10-12	2024-10-11	
5.nb	EMI Test Software EZ-EMC	SHURPLE	N/A N/A	N/A N/A	Anboing Anborre	k Anbotek	

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2. Antenna requirement

hotek Anbo	Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to
And k botek	ensure that no antenna other than that furnished by the responsible party
Test Requirement:	shall be used with the device. The use of a permanently attached antenna or
An. stek anbot	of an antenna that uses a unique coupling to the intentional radiator shall be
K Anbor Ar	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 -1.35 dBi . It complies with the standard requirement.

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3. Conducted Emission at AC power line

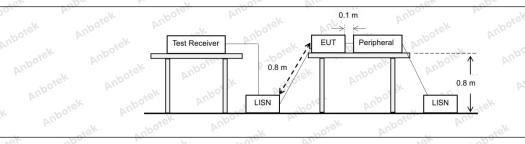
Test Requirement:	Refer to 47 CFR 15.207(a), Except section, for an intentional radiator public utility (AC) power line, the r back onto the AC power line on ar band 150 kHz to 30 MHz, shall not measured using a 50 µH/50 ohms (LISN).	that is designed to be con adio frequency voltage that ny frequency or frequencie at exceed the limits in the f	nected to the at is conducted es, within the ollowing table, as
Test Limit:	Frequency of emission (MHz) 0.15-0.5 0.5-5 5-30 *Decreases with the logarithm of t	Conducted limit (dBµV) Quasi-peak 66 to 56* 56 60 the frequency.	Average 56 to 46* 46 50
Test Method:	ANSI C63.10-2020 section 6.2	Ant hotek Anbotek	And
Procedure:	Refer to ANSI C63.10-2020 section line conducted emissions from un		

3.1. EUT Operation

Operating Environment:

Test mode: 1: TM1: Keep the EUT in continuously transmitting mode

3.2. Test Setup



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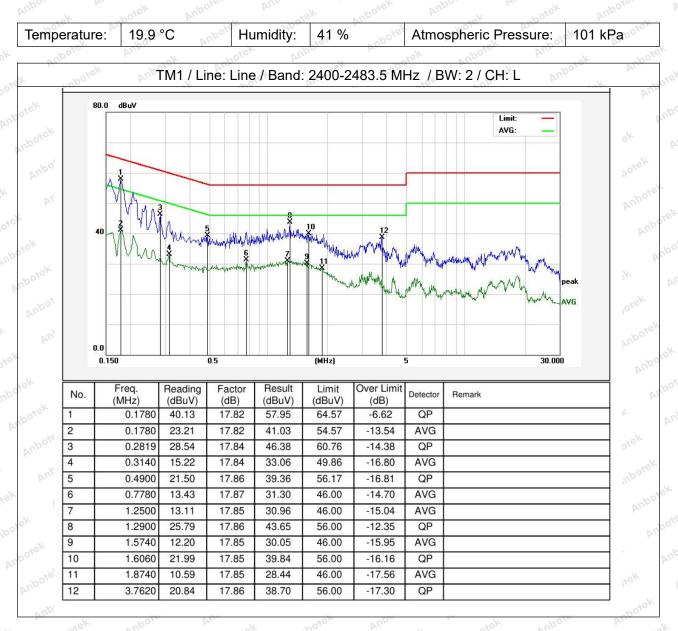
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755-26066440 Fax:(86)0755-26014772 Email:service@anbotek.com





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3.3. Test Data

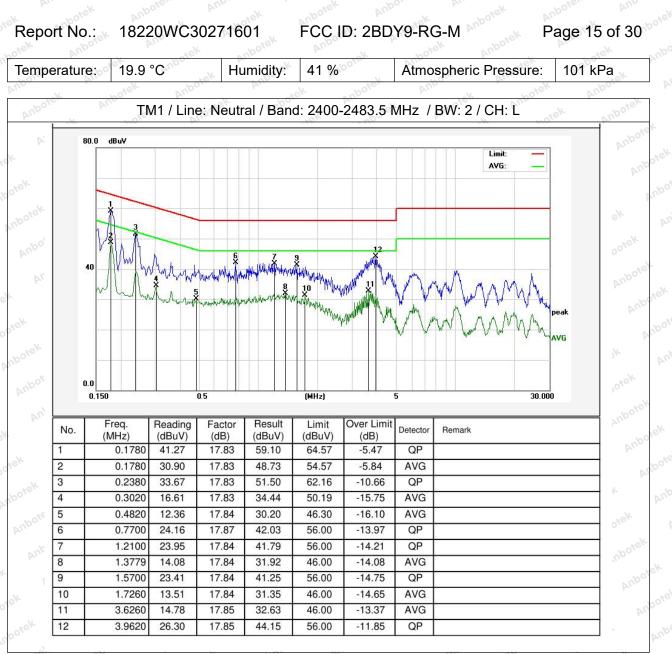


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Note: Only record the worst data in the report.

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4. Occupied Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8 KDB 558074 D01 15.247 Meas Guidance v05r02
Anbotek Anbotek Anbotek Anbotek	 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.
k Anbotek Anbote	 b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold.
nbotek Anbotek	e) Sweep = No faster than coupled (auto) time.f) Allow the trace to stabilize.g) Measure the maximum width of the emission by placing two markers, one
Procedure:	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 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.
tek Anbotek Anb	11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be
hotek 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 \ge 3 × RBW, and peak detector with maximum hold) is implemented by the instrumentation
Anbotek Anbotek Anbotek Anbotek	function. 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 \geq 6 dB.
- V	

4.1. EUT Operation

Operating Env	vironment:	No. Pi	in otek	Anbotek	Anbo	n obotek	Anbore
Test mode:	1: TM1: Ke	ep the EU	T in contir	nuously tra	nsmitting mod	ak hotek	Anboten
4 2 Test Se	tun stek	nbotek	Anbo	the star	otek Anbo	Ann	k nbo

4.2. Test Setup

otel		Anbot	EUT	Spectrum A	Analyzer	Anbotek Anbo
nb' P	4.3. Test Dat	tek Anbore	An- Anbotek	K anbotek	Anborek Anbotek	Anbotek K Anbotek
	Temperature:	25.2 °C	Humidity:	46 % Andore	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.

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5. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit: Anboret	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:	n. nbotek	Anbore	Annotek	Anbotek	Anburgek	hote
Test mode:	1: TM1: Ke	ep the EUT i	n continuously	/ transmitting	mode mootek	Anbo	
5.2. Test Setu	an ^{bore} ar	Ar.	otek Anbote	Aupt	stek unbote	K Aupor	Pr.

5.2. Test Setup

	Anbotek	EUT _	~P	Spectrum	Analyzer	P	
1		ak hotek	Anbor	b	-iek	nboter	

5.3. Test Data

Temperature:	25.2 °C	Humidity:	46 %	Atmospheric Pressure:	101 kPa

Please Refer to Appendix for Details.

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6. Power Spectral Density

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

6.1. EUT Operation

Operating Environment:

Test mode: 1: TM1: Keep the EUT in continuously transmitting mode

6.2. Test Setup

EUT		Spectr	um Analy	zer
	_10 ^{~~}	00-	Ŧ	- No

6.3. Test Data

	Tem	nperature:	25.2 °C	Humidity:	46 %	Atmospheric Pressure:	101 kPa
--	-----	------------	---------	-----------	------	-----------------------	---------

Please Refer to Appendix for Details.



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7. Emissions in non-restricted frequency bands

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

7.1. EUT Operation

Operating Envi	ronment:	potek	Anbore	And	Anbotek	Anbo	
Test mode:	1: TM1: Keep	the EUT in	n continuously	/ transmitting	mode nootek	Anbo	p.
	K bolo	An		sk upo	. a)	k bolo	PL

7.2. Test Setup

	Anbotek		EUT		Spectrum	Analyzer	Þ	
X	An		hotek	Anbor	P11-	494	aboten	

7.3. Test Data

Temperature:	25.2 °C	Humidity:	46 %	Atmospheric Pressure:	101 kPa
	Jen Multi	Je.	.vo.	p	NUN

Please Refer to Appendix for Details.

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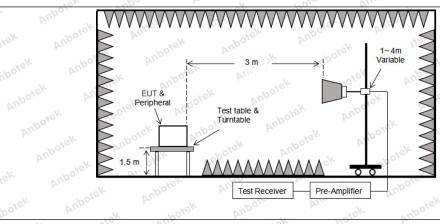
8. Band edge emissions (Radiated)

radiated emission limits specified in § 15.20	, must also comply with the 09(a)(see § 15.205(c)).`
Frequency (MHz) Field strength (microvolts/me	eter) Measurement distance (meters)
0.009-0.490 2400/F(kHz)	300
0.490-1.705 24000/F(kHz)	and 30
1.705-30.0 30	30
30-88 100 **	Anbo Anbore
88-216 150 **	protein Anis
216-960 200 **	And And And
Test Limit: Above 960 500	Anbo 3 botek Anbo
Test Limit:** Except as provided in paragraph (g), fun intentional radiators operating under this se frequency bands 54-72 MHz, 76-88 MHz, 1 However, operation within these frequency sections of this part, e.g., §§ 15.231 and 15 In the emission table above, the tighter limi The emission limits shown in the above tab employing a CISPR quasi-peak detector ex 90 kHz, 110–490 kHz and above 1000 MHz these three bands are based on measurem 	ection shall not be located in the 74-216 MHz or 470-806 MHz. bands is permitted under other 5.241. It applies at the band edges. ble are based on measurements ccept for the frequency bands 9– z. Radiated emission limits in
Test Method: ANSI C63.10-2020 section 6.10 KDB 558074 D01 15.247 Meas Guidance v	/05r02
Procedure: ANSI C63.10-2020 section 6.10.5.2	anbotek Anbor All. Lotek

8.1. EUT Operation

Operating Environment: Test mode: 1: TM1: Keep the EUT in continuously transmitting mode

8.2. Test Setup



Shenzhen Anbotek Compliance Laboratory Limited

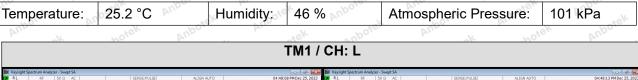
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com

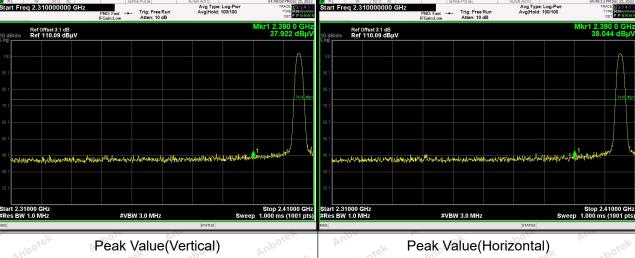




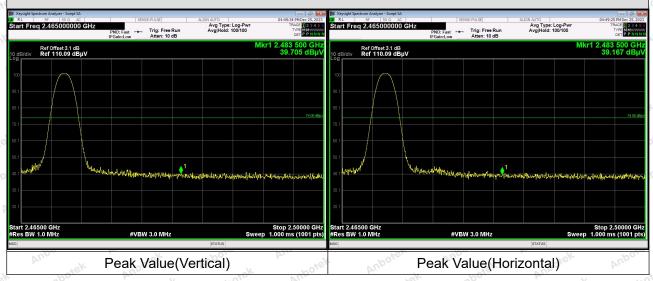
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8.3. Test Data





TM1 / CH: H



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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9. Emissions in frequency bands (below 1GHz)

Frequency (MHz)Field strength (microvolts/meter)Measurement distance (meters)0.009-0.4902400/F(kHz)3000.490-1.70524000/F(kHz)3001.705-30.0303030-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02Procedure:ANSI C63.10-2020 section 6.6.4	Test Requirement:	restricted bands, as defined	, In addition, radiated emissions d in § 15.205(a), must also comp ecified in § 15.209(a)(see § 15.2	oly with the
Image: 1.70524000/F(kHz)301.705-30.0303030-88100 **88-216150 **216-960200 **Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements 	Anbotek Anbot Anbotek Anbot	otek Anbo Anbo		distance
Test Limit:1.705-30.0303030-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other 	k hotek	0.009-0.490	2400/F(kHz)	300 000
30-88100 **388-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02	nboren Anbe			
88-216150 **3216-960200 **3Above 9605003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02	atek unbote.			
Test Limit:216-960 Above 960200 ** 5003** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02	Anbo k hotek	30-88		
Above 9605003Test Limit:*** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02	aboten Anb	K		- V. to 2'
Test Limit:** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9– 90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.Test Method:ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02	All stek Anbore			100 m
 Test Method: ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02 	Anbo	Above 960	500 MAR ANDO	3 stek onb
KDB 558074 D01 15.247 Meas Guidance v05r02	nbołek Anbołek	intentional radiators operati frequency bands 54-72 MH However, operation within t sections of this part, e.g., § In the emission table above The emission limits shown employing a CISPR quasi-p 90 kHz, 110–490 kHz and a these three bands are base	ing under this section shall not b iz, 76-88 MHz, 174-216 MHz or these frequency bands is permitt § 15.231 and 15.241. e, the tighter limit applies at the b in the above table are based on beak detector except for the freq above 1000 MHz. Radiated emis	e located in the 470-806 MHz. ted under other pand edges. measurements juency bands 9– ssion limits in
Procedure: ANSI C63 10-2020 section 6 6 4	Test Method:			ek Anbore
	Procedure:	ANSI C63.10-2020 section	6.6.4	por An

9.1. EUT Operation

Operating Environment:

Test mode: 1: TM1: Keep the EUT in continuously transmitting mode

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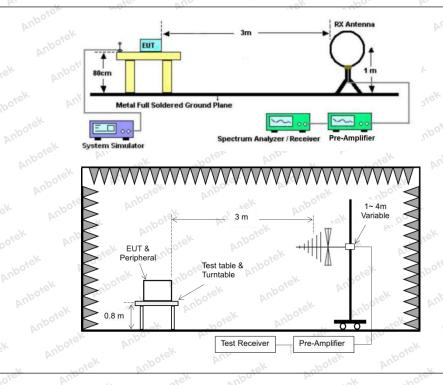
Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)0755–26066440 Fax:(86)0755–26014772 Email:service@anbotek.com





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9.2. Test Setup



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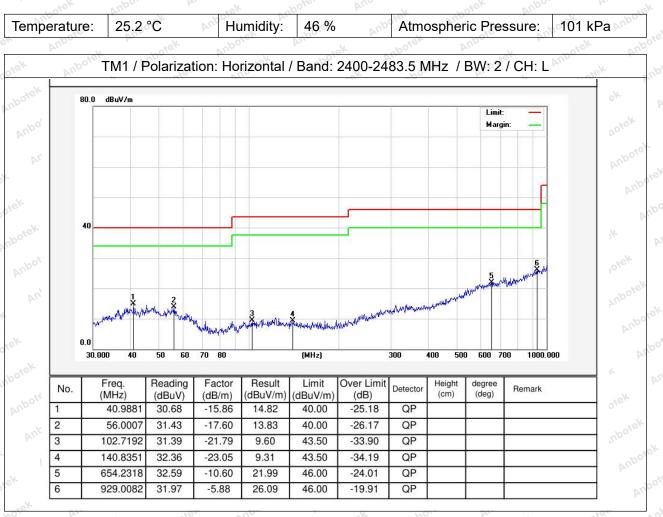




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9.3. Test Data

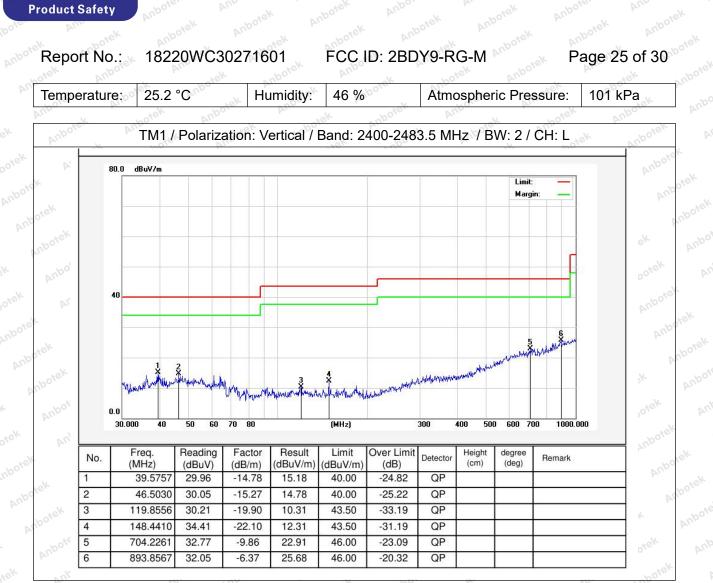
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.



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Note: Only record the worst data in the report.

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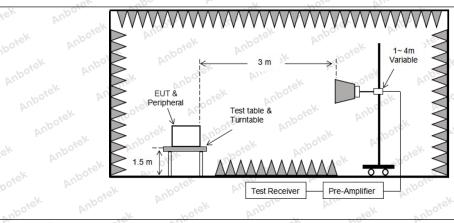
10. Emissions in frequency bands (above 1GHz)

Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).						
K Anbotek Anbot	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)				
nbotek Anbotek	0.009-0.490 0.490-1.705	2400/F(kHz) 24000/F(kHz)	300 30				
Anbotek Anbotek	1.705-30.0 30-88	30 100 **	30				
Anbote Ant	88-216 216-960 Above 960	150 ** 200 ** 500	3				
Test Limit:	 Above 960 500 500 300 3 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. 						
Test Method:	ANSI C63.10-2020 section KDB 558074 D01 15.247 M		ak Anboten				
Procedure:	ANSI C63.10-2020 section	6.6.4 Anter Anter Ant	port Arr. Arr.				

10.1. EUT Operation

Operating Environment: Test mode: 1: TM1: Keep the EUT in continuously transmitting mode

10.2. Test Setup



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10.3. Test Data

Temperature:	25.2 °C	Humidity:	46 %	Atmospheric Pressure:	101 kPa
202	de de	0. 12.	No. No.	NUN .	ek voo.

	TM1 / CH: L						
Peak value:							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization	
4810.00	28.35	15.27	43.62	74.00	-30.38	Vertical	
7215.00	29.96	18.09	48.05	74.00	-25.95	Vertical	
9620.00	30.96	23.76	54.72	74.00	-19.28	Vertical	
12025.00	Anbote * Ar	io-	abotek Anb	74.00	otek Anbote	Vertical	
14430.00	Anbo*ek	Anbo	hotek P	74.00	stek ont	Vertical	
4810.00	28.83	15.27	44.10	74.00	-29.90	Horizontal	
7215.00	30.25	18.09	48.34	74.00	-25.66	Horizontal	
9620.00	29.38	23.76	53.14	74.00	-20.86	Horizontal	
12025.00	potek * Anbo	ak ho	rek Anbote	74.00	t nbotek	Horizontal	
14430.00	-botek * An	port Ant	atek anbo	74.00	elt pote	Horizontal	

Average value:

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4810.00	17.73	15.27	33.00	54.00	-21.00	Vertical
7215.00	18.99	18.09	37.08	54.00	-16.92	Vertical
9620.00	19.98	23.76	43.74	54.00	-10.26	Vertical
12025.00	Lotek.	Anboten An	sek of	54.00 × 54	ala pri	Vertical **
14430.00	Ant *	abotek	Anbo, A.	54.00	bote Aug	Vertical
4810.00	17.18	15.27	32.45	54.00	-21.55	Horizontal
7215.00	19.31	18.09	37.40	54.00	-16.60	Horizontal
9620.00	18.69	23.76	42.45	54.00	-11.55	Horizontal
12025.00	tek *	otek Anbor	AK NOT	54.00	Ann	Horizontal
14430.00	prior *	hotek Ant	oto Ann	54.00	ek Anbo	Horizontal
	1	111-		0 V	N	Ver VIII

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4860.00

7290.00 9720.00

12150.00

14580.00

					AUD	
		-	TM1 / CH: M			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4860.00	28.37	15.42	43.79	74.00	-30.21 -30	Vertical
7290.00	29.81	18.02	47.83	74.00	-26.17	Vertical
9720.00	29.97	23.80	53.77	74.00	-20.23	Vertical
12150.00	ek * nbotek	Anbo.	h. hotek	74.00	And	Vertical
14580.00	*	rek Anbore	Ant	74.00	Anbo	Vertical
4860.00	28.53	15.42	43.95	74.00	-30.05	Horizontal
7290.00	30.24	18.02	48.26	74.00	-25.74	Horizontal
9720.00	29.08	23.80	52.88	74.00	-21.12	Horizontal
12150.00	* * otek	Anbote	And	74.00	noo. A	Horizontal
14580.00	A & otek	Anbotek	Anbor	74.00	Anboro	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4860.00	17.46	15.42	32.88	54.00	-21.12	Vertical
7290.00	19.09	18.02	37.11	54.00	-16.89	Vertical
9720.00	19.84	23.80	43.64	54.00	-10.36	Vertical
12150.00	K Anbort	All sofek	Anboten	54.00	abotek	Vertical
14580.00	otek * Anbot	AUD	ek abotek	54.00	An hotek	Vertical

32.51

36.89

43.00

54.00

54.00

54.00

54.00

54.00

-21.49

-17.11

-11.00

Horizontal

Horizontal

Horizontal

Horizontal

Horizontal

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17.09

18.87

19.20

*

*

15.42

18.02

23.80



		•	TM1 / CH: H			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4940.00	28.64	15.58	44.22	74.00	-29.78	Vertical
7410.00	29.82	17.93	47.75	74.00	-26.25	Vertical
9880.00	30.52	23.83	54.35	74.00	-19.65	Vertical
12350.00	P*otek	anboter	Anbe	74.00	Anbor	Vertical
14820.00	* Aup	ek spotel	Aupor	74.00	Anboten	Vertical
4940.00	28.60	15.58	44.18 100 V	74.00	-29.82	Horizontal
7410.00	30.27	17.93	48.20	74.00	-25.80	Horizontal
9880.00	29.76	23.83	53.59	74.00	-20.41	Horizontal
12350.00	Anb.*	abotek	Anbore	74.00	inboten Ant	Horizontal
14820.00	Arthorn	pr. notek	Anboten	74.00	nbotek	Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	polarization
4940.00	18.58	15.58	34.16	54.00	-19.84	Vertical
7410.00	20.10	17.93	38.03	54.00	201 ²⁻ 15.97	Vertical
9880.00	20.39	23.83	44.22	54.00	-9.78	Vertical
12350.00	K * abotek	Anbor	protek	54.00	And	Vertical
14820.00	* not	sk Anboro	Annotek	54.00	Anbo	Vertical
4940.00	18.53	15.58	34.11	54.00	-19.89	Horizontal
7410.00	100 ¹ 20.24	17.93	o ^{tok} 38.17 pr ^{b0}	54.00	-15.83	Horizontal
9880.00	19.10	23.83	42.93	54.00 And	-11.07	Horizontal
12350.00	* tek	Anbote	Ann	54.00	100. A.	Horizontal

Remark:

14820.00

- 1. Result =Reading + Factor
- "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

54.00

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Horizontal

Dr



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APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_RF

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report ----

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