## **9 TRANSMITTER OUTPUT POWER**

#### 9.1 Test Equipment

The following test equipment was used during the maximum peak output power measurement:

Item	Туре	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9010A	MY52221182	2023.08.09	1 Year
2.	RF Cable	Mini-Circuits	FLC-3FT-SM SM+	22022838	2023.08.09	1 Year
3.	10 dB Attenuator	Mini-Circuits	BW-S10W2+	001	2023.08.09	1 Year

#### 9.2 Block Diagram of Test Setup

Same as section 5.2.

#### 9.3 Specification Limits (§15.247(b)(1))

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

#### 9.4 Operating Condition of EUT

The software as section 2.3 was used to enable the EUT to change the test mode one by one.

#### 9.5 Test Procedure

This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. The hopping shall be disabled for this test:

a) Use the following spectrum analyzer settings:

1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.

- 2) RBW > 20 dB bandwidth of the emission being measured.
- 3) VBW  $\geq$  RBW.
- 4) Sweep: Auto.
- 5) Detector function: Peak.
- 6) Trace: Max hold.
- b) Allow trace to stabilize.

c) Use the marker-to-peak function to set the marker to the peak of the emission.

d) The indicated level is the peak output power, after any corrections for external attenuators and cables.

The test procedure is defined in ANSI C63.10-2013 (7.8.5 Measurement Procedure "Output power test procedure for frequency-hopping spread-spectrum (FHSS) devices" was used).

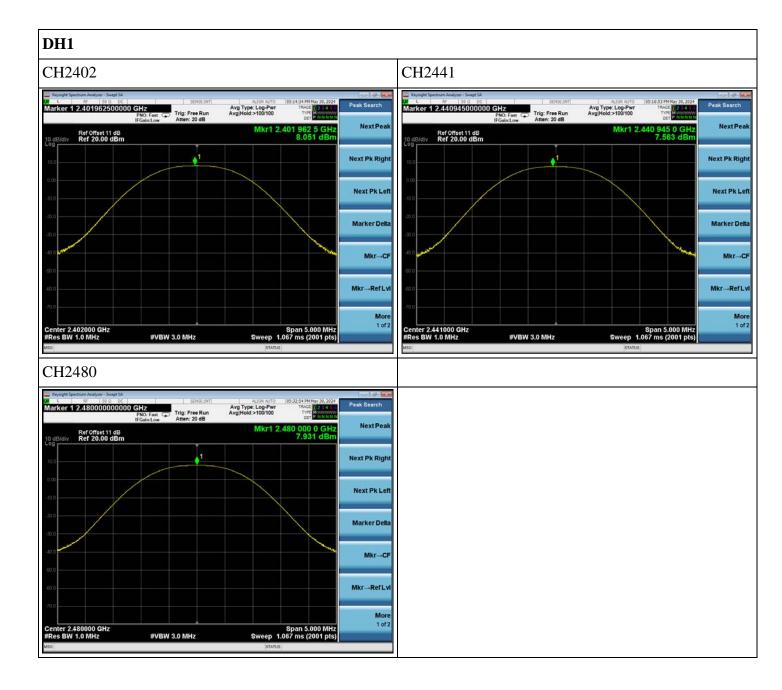
## 9.6 Test Results

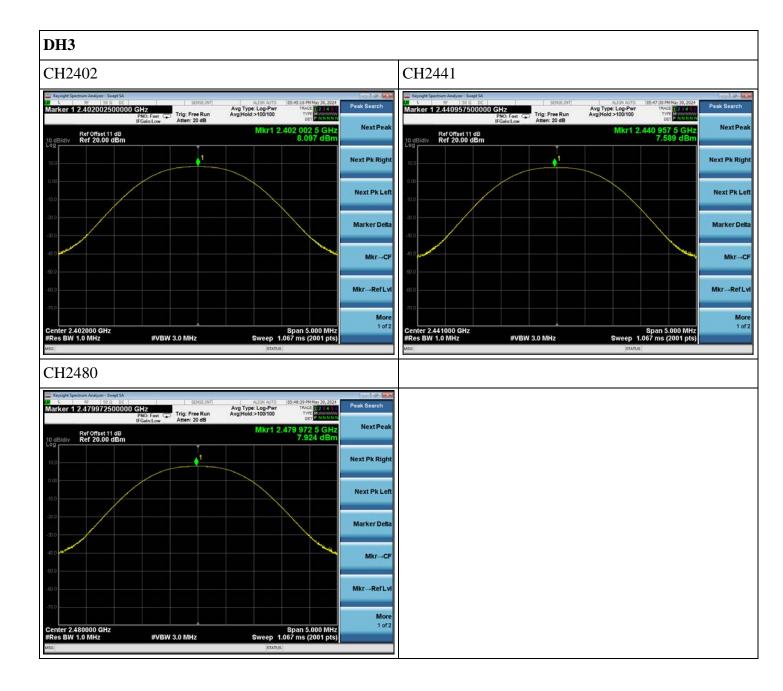
#### PASSED.

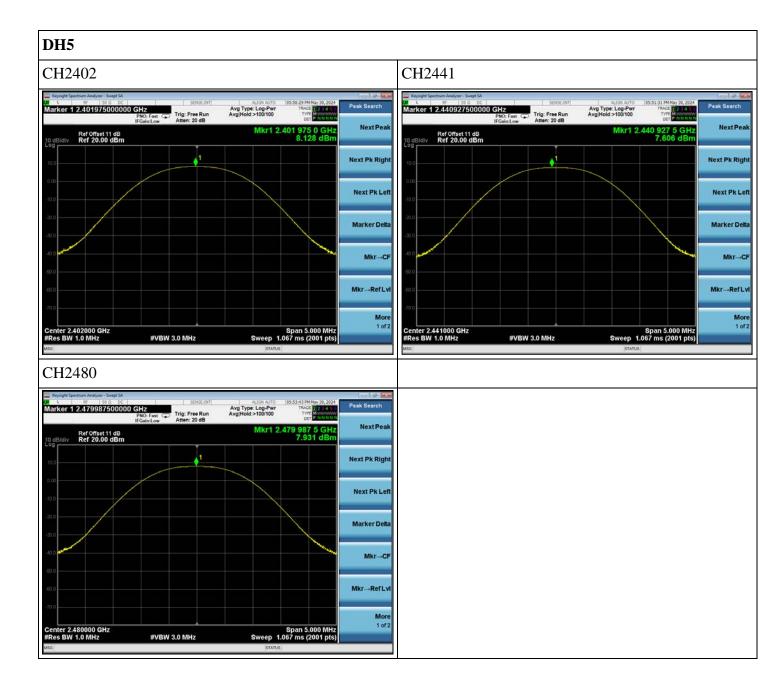
All the test results are listed below.

(Test Date: 2024.05.30 Temperature: 23°C Humidity: 51 %)

Mode	Channel	Frequency (MHz)	Maximum Conducted Output Power (dBm)	Limit (dBm)
	00	2402	8.051	30
BT DH1	39	2441	7.563	30
	78	2480	7.931	30
	00	2402	8.097	30
BT DH3	39	2441	7.589	30
	78	2480	7.924	30
	00	2402	8.128	30
BT DH5	39	2441	7.606	30
	78	2480	7.931	30
	00	2402	10.04	30
BT 3DH1	39	2441	9.505	30
	78	2480	9.824	30
	00	2402	10.199	30
BT 3DH3	39	2441	9.62	30
	78	2480	9.904	30
	00	2402	10.18	30
BT 3DH5	39	2441	9.613	30
	78	2480	9.879	30

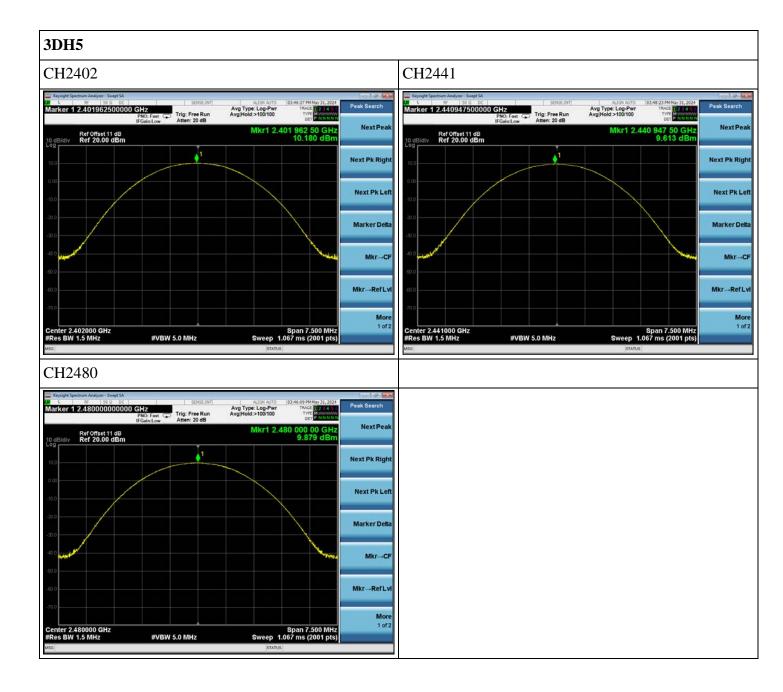






3DH1							
CH2402				CH2441			
Ref Offset 11 dB	NO: Fast Trig: Free Run Atten: 20 dB	Augu Autro (0331:18 PMNay 31,224 Avg Type: Log-Pwr Avg Hold:>100100 TRACE (2.4 TYPE) Mkr1 2.401 985 00 GHz	Peak Search Next Peak		NO: Fast Calin:Low Trig: Free Run Atten: 20 dB	Aug Type: Log-Pwr Avg Type: Log-Pwr AvglHold:>100/100 0rt Pwr. Mkr1 2.440 981 25 GHz	Peak Search Next Peak
Ref Offset 11 dB 10 dB/div Ref 20.00 dBm 10 dB/div 10 dB/div	1	10.040 dBm	Next Pk Right	10 dB/div Ref 20.00 dBm	1	9.505 dBm	Next Pk Right
-10.0			Next Pk Left	-10.0			Next Pk Left
300			Marker Delta	-30.0			Marker Delta
-40.0 Frankersk			Mkr→CF	-20 0 <b>148 - 14</b> -50 0		<b>`</b>	Mkr→CF
-60 0			Mkr→RefLvl	-60.0			Mkr→RefLvl
Center 2.402000 GHz #Res BW 1.5 MHz	#VBW 5.0 MHz	Span 7.500 MHz Sweep 1.067 ms (2001 pts)	More 1 of 2	Center 2.441000 GHz #Res BW 1.5 MHz	#VBW 5.0 MHz	Span 7.500 MHz Sweep 1.067 ms (2001 pts)	More 1 of 2
CH2480		314105		NGG .		aintoa	
Keysight Spectrum Andyzer - Swept SA     K     K     K     S9 G DC     Marker 1 2.479988750000 GH     P	NO: Fast Gain:Low	ALION AUTO 03:37:05 PM May 31, 2024 Avg Type: Log-Pwr TRAC 12 a Avg[Hold:>100/100 Det 200000	Peak Search				
10 dB/div Ref 20.00 dBm	j1	Mkr1 2.479 988 75 GHz 9.824 dBm	Next Pk Right				
0.00			Next Pk Left				
-30.0			Marker Delta				
-42.0			Mkr→CF				
-60.0			Mkr→RefLvi				
Center 2.480000 GHz #Res BW 1.5 MHz	#VBW 5.0 MHz	Span 7.500 MHz Sweep 1.067 ms (2001 pts)	More 1 of 2				
MSG		STATUS					

3DH3					
CH2402		CH2441			
Republik Spectrum Analyzer - Swegt Sa Data Spectrum Analyzer - Swegt Sa Data Spectrum - Swegt	4101 MINO         [02:03] MINO 21,221           Avg Type Log Par         Trace B Jacobie           My Type Log Par         Trace B Jacobie	Ref Offset 11 dB	GHZ PNO: Fast Trig: Free Run IFGain:Low Atten: 20 dB	ALIGN AUTO (024246 PM May 2), 2022 Avg Type: Log-Pwr Avg[Hold>100100 TMC (2 4 Mkr1 2,440 992 50 GH2 9,620 GBr 9,620 GBr	Peak Search Next Peak
10 dB/div Ref 20.00 dBm	Next Pk F	Log	1	3.620 dBit	Next Pk Right
100	Next Pk	eft -10.0			Next Pk Left
-30.0	Marker	-20 0			Marker Delta
40.0	Mkr	40 0			Mkr→CF
	Mkr→Re	LVI -50 0			Mkr→RefLvl
Center 2.402000 GHz #Res BW 1.5 MHz #VBW 5.0 MHz		ore Center 2.441000 GHz #Res BW 1.5 MHz	#VBW 5.0 MHz	Span 7.500 MHz Sweep 1.067 ms (2001 pts	More 1 of 2
CH2480	STATUS	MSG		STATUS	
Keylight Spectrum Analyzer - Swegt SA. Keylight Spectrum Analyzer - Swegt SA. Marker 1 2.479970000000 GHZ PNO: Fast IF Galactow Ref Offreet 11 dB	Augin Auro (0039:02 PM Nay 31,2034 Avg Type: Log-Pwr TRACE 123 4 1 Avg[Hold:>100100 000 PM PM Nay 31,2034 Mkr1 2.479 970 00 GHz Next				
10 dB/div Ref 20.00 dBm	9.904 dBm	pht			
-10.0	Next Pk	eft			
.300	Marker	eita			
42 0 40 0	Miret Miret	CF			
-70.0	Mkr→Re				
Center 2.480000 GHz #Res BW 1.5 MHz #VBW 5.0 MHz		bre bf2			



## **10 BAND EDGE MEASUREMENT**

#### 10.1 Test Equipment

The following test equipment was used during the maximum peak output power measurement:

Item	Туре	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9010A	MY52221182	2023.08.09	1 Year
2.	RF Cable	Mini-Circuits	FLC-3FT-SM SM+	22022838	2023.08.09	1 Year
3.	10 dB Attenuator	Mini-Circuits	BW-S10W2+	001	2023.08.09	1 Year

#### 10.2 Block Diagram of Test Setup

The Same as Section. 5.2

#### 10.3 Specification Limits (§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.

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)). (% This test result attaching to \$4.7).

#### 10.4 Operating Condition of EUT

The software as section 2.3 was used to enable the EUT to change the test mode one by one and have its hopping function enabled.

#### 10.5 Test Procedure

The transmitter output was connected to the spectrum analyzer.

a) Set the EUT to the lowest frequency channel (for the hopping on test, the hopping sequence shall include the lowest frequency channel).

b) Set the EUT to operate at maximum output power and 100% duty cycle, or equivalent "normal mode of operation" as specified in 6.10.3 of ANSI C63.10. c) Perform the test as follows:

1) Span: wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation.

2) Attenuation: Auto

3) Sweep time: Coupled.

- 4) Resolution bandwidth: 100kHz.
- 5) Video bandwidth: 300kHz.
- 6) Detector: peak
- 7) Trace: max hold.

d) Allow the trace to stabilize. For the test with the hopping function turned ON, this can take several minutes to achieve a reasonable probability of intercepting any emissions due to oscillator overshoot.

e) Set the marker on the emission at the band edge, or on the highest modulation product outside of the band, if this level is greater than that at the band edge. Enable the marker-delta function, and then use the marker-to-peak function to move the marker to the peak of the in-band emission.

f) Repeat step b) through step e) for every applicable modulation.

k) Set the EUT to the highest frequency channel (for the hopping on test, the hopping sequence shall include the highest frequency channel and repeat step b) through step f).

Band-edge measurements shall be tested both on single channels, and with the EUT hopping.

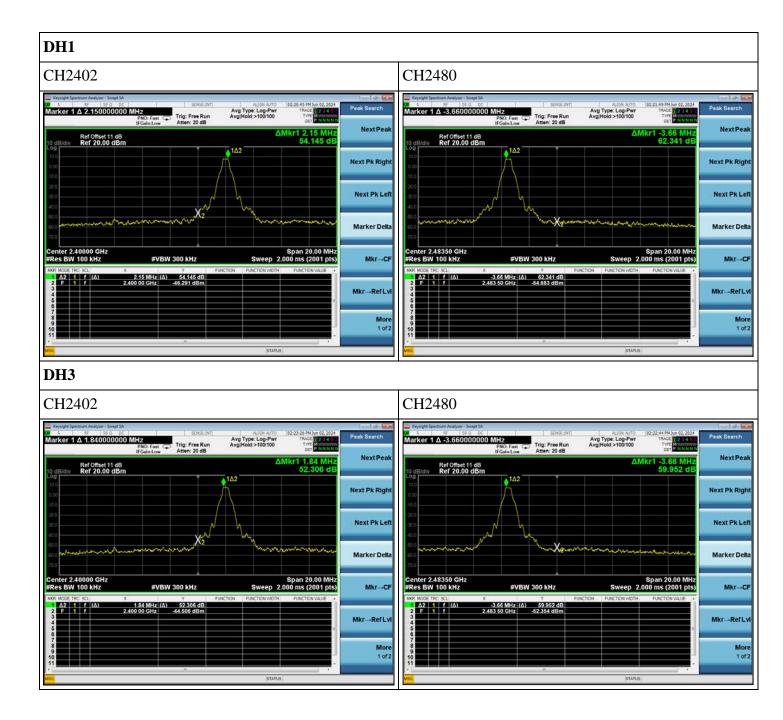
The test procedure is defined in ANSI C63.10-2013 (7.8.6 "Band-edge measurements for RF conducted emissions", 6.10.4 Measurement Procedure "Authorized-band band-edge measurements (relative method)" was used).

# 10.6 Test Results **PASSED.**

All the test results are attached in next pages.

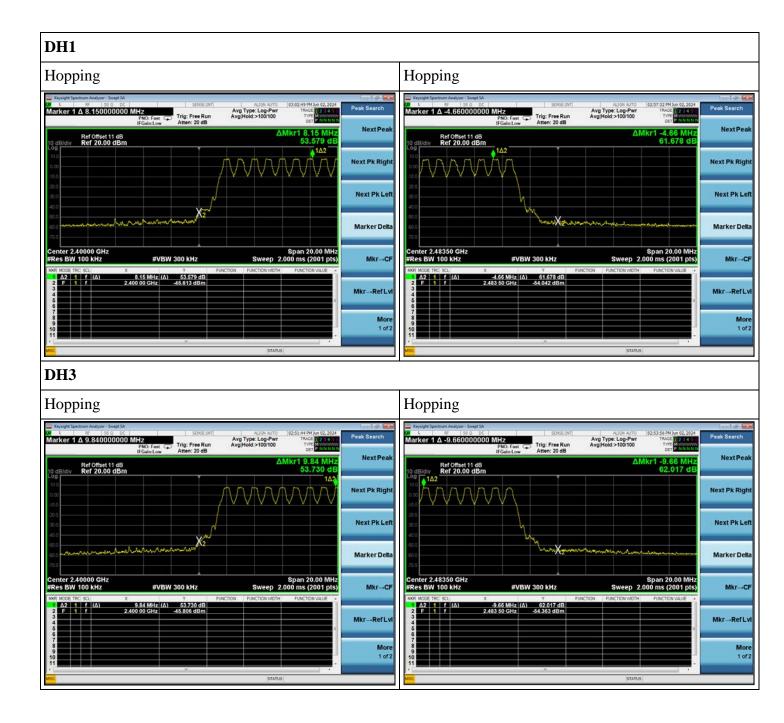
(Test Date: 2024.06.02 Temperature: 23°C Humidity: 51 %)

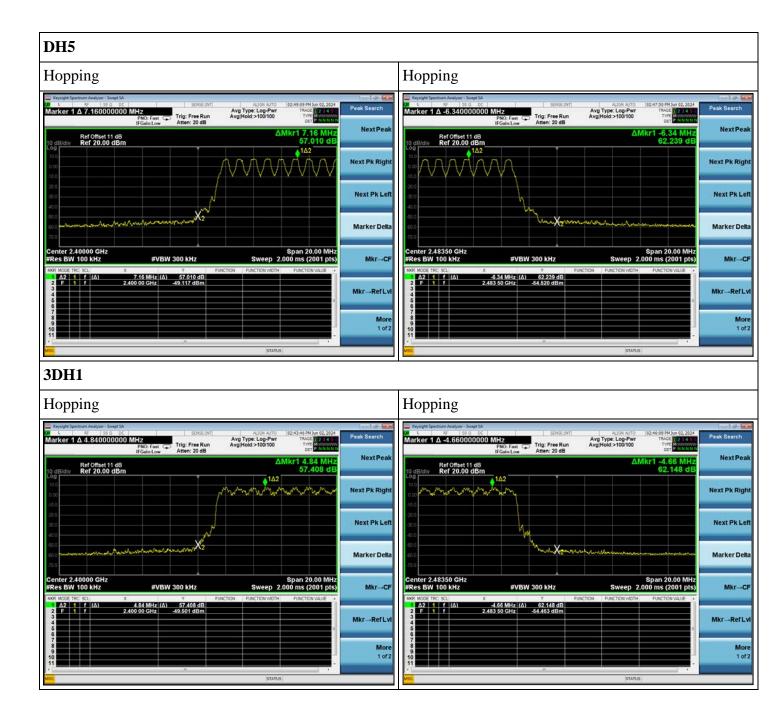
Mode	Location	Channel	Frequency (MHz)	Delta Marker (dB)	Limit (dB)
BT DH1	Lower Edge	00	2402	54.145	20
БІ ДПІ	Upper Edge	78	2480	62.341	20
	Lower Edge	00	2402	52.306	20
BT DH3	Upper Edge	78	2480	59.952	20
BT DH5	Lower Edge	00	2402	51.87	20
DI DH3	Upper Edge	78	2480	59.343	20
	Lower Edge	00	2402	56.094	20
BT 3DH1	Upper Edge	78	2480	62.155	20
BT 3DH3	Lower Edge	00	2402	56.387	20
נחענ דם	Upper Edge	78	2480	62.33	20
DT 2D115	Lower Edge	00	2402	56.12	20
BT 3DH5	Upper Edge	78	2480	61.238	20
BT DH1	Lower Edge	Н	lopping	53.579	20
Hopping	Upper Edge	Н	lopping	61.678	20
BT DH3	Lower Edge	Н	lopping	53.73	20
Hopping	Upper Edge	Н	lopping	62.017	20
BT DH5	Lower Edge	Н	lopping	57.01	20
Hopping	Upper Edge	Н	lopping	62.239	20
BT 3DH1	Lower Edge	Hopping		57.408	20
Hopping	Upper Edge	Hopping		62.148	20
BT 3DH3	Lower Edge	Hopping		58.002	20
Hopping	Upper Edge	Hopping		62.887	20
BT 3DH5	Lower Edge	Н	lopping	56.435	20
Hopping	Upper Edge	Н	lopping	62.831	20

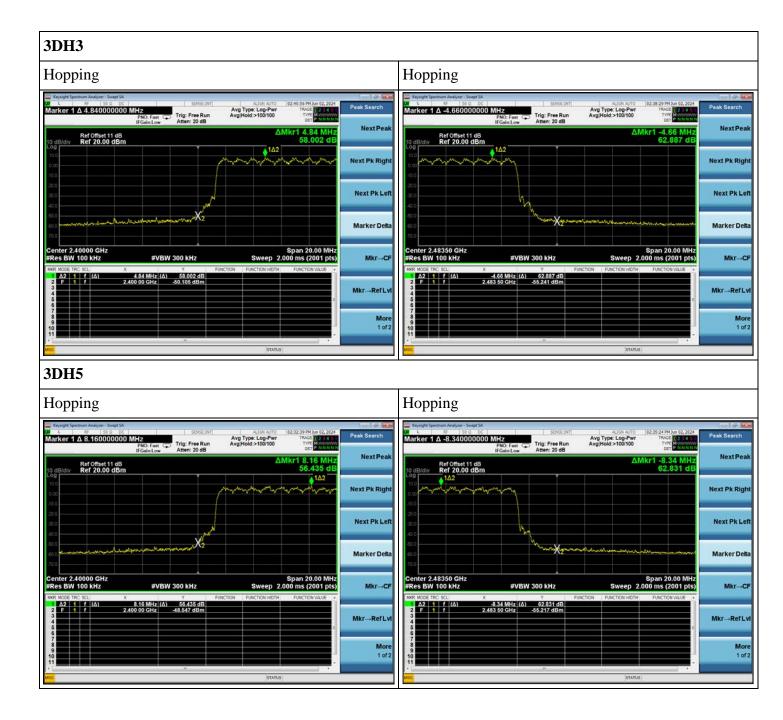












## **11 UNWANTED EMISSIONS MEASUREMENT**

	The following test equipment was used during the emission limitations test :					
Item	Туре	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9010A	MY52221182	2023.08.09	1 Year
2.	RF Cable	Mini-Circuits	FLC-3FT-SM SM+	22022838	2023.08.09	1 Year
3.	10 dB Attenuator	Mini-Circuits	BW-S10W2+	001	2023.08.09	1 Year

#### 11.1Test Equipment

The  $f_{-11}$ 1. . .

#### 11.2Block Diagram of Test Setup

Same as Section. 5.2.

#### 11.3Specification Limits (§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.

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)). (*X* This test result attaching to §4.7).

#### 11.4Operating Condition of EUT

The software as section 2.3 was used to enable the EUT to change the test mode one by one.

#### **11.5Test Procedure**

The transmitter output was connected to the spectrum analyzer.

Establish a reference level by using the following procedure: Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The instrument shall span 30 MHz to 10 times the operating frequency in GHz, with a resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector. The band 30 MHz to the highest frequency may be split into smaller spans, as long as the entire spectrum is covered.

The test procedure is defined in ANSI C63.10-2013 (7.8.8 " Conducted spurious emissions test methodology" was used).

# 11.6 Test Results

## PASSED.

The test data was attached in the next pages.

(Test Date: 2024.06.02 Temperature: 23°C Humidity: 51 %)

Mode	Channel	Frequency (MHz)	Data Page
	00	2402	P111
BT DH1	39	2441	P112
	78	2480	P113
	00	2402	P114
BT DH3	39	2441	P115
	78	2480	P116
	00	2402	P117
BT DH5	39	2441	P118
	78	2480	P119
	00	2402	P120
BT 3DH1	39	2441	P121
	78	2480	P122
	00	2402	P123
BT 3DH3	39	2441	P124
	78	2480	P125
	00	2402	P126
BT 3DH5	39	2441	P127
	78	2480	P128

DH1	
CH2402	
Reference Level	Lower Edge
Wonget Spectrum Analyses: Sweet SA       Stroccore       Alloh Auto       Frequency         Center Freq 2.40200000 GHz       Trig: Free Run If Galaction       Avg Type: Log-Part Avg Type: Log-Part	Report         Section         Auge Autor         Section         Auge Autor         Section         Auge Auge Auge Auge Autor         Section         Marker           Marker 2 2.40000000000000 GHz IFGallow         Trig: Free Run Atten: 20 dB         Avg Type: Log-Port Avg Woldschart         Trig: Free Run Auge Avg Woldschart         Marker         Select Marker 2           0 dB/ddly         Ref Offset 11 dB         Control to the Auge Auge Auge Auge Auge Auge Auge Aug
#Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms (2001 pts)	NSS STATUS
Emission Level Marker 3 9,5061855000000 CHz Ficanatow Ref Offset 11 dB Configure Ref Offset 11 dB Configure R	Kongel Agention Andres - Sing 1A.         International State of the state of t
INST         V         Y         Y         PUNCTION	MoR MODE Res Sci.         X         Y         Planctow

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## DH1

CH2441

#### Reference Level



Registal Spectrum Analyzer - Swegt 3A         State 2 R         State 2 R         Allow A/TO         11:45:59 AMD m           Marker 3 9,765705000000 GHz         PNO: Fast         Trig: Free Run         Avgit/odd>>100:100         Trig: Gree Run           Marker 20 dB         PNO: Fast         Trig: State 20 dB         Avgit/odd>>100:100         Trig: Free Run		Marker 3 23.627500000000 GHz         Stresunt         Augr Vipe: Log-Pwr         THACE IF 2 a set Trig: Free Run         Avg Type: Log-Pwr           PNO: Fast C         Trig: Free Run         Avg Type: Log-Pwr         THACE IF 2 a set Trig: Free Run         Avg Type: Log-Pwr	arker
Ref Offset 11 dB         Mkr3 9.766           10 dB/div         Ref 20.00 dBm         -44.778	GHz 3	Ref Offset 11 dB Mkr3 23.627 5 GHz 10 dBldiv Ref 20.00 dBm -50.661 dBm	3
	Normal		Normal
300 300 400 <b>2</b> 2	Deita		Deita
	Fixed		Fixed⊳
Start 30 MHz         Stop 10.00           #Res BW 100 kHz         #VBW 300 kHz         Sweep 952.9 ms (201           WR MORE TRC: SCL         X         Y         Plancton         Plancton	01 pts) Off	Start 10.000 GHz         Stop 25.000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)           IMPR MODE TRC SCL         X         Y         Function Hot Rescription with the start of the sta	on
1         N         1         f         1.568 GHz         -59 129 dBm           2         N         1         f         3.659 GHz         -48 337 dBm           N         1         f         9.766 GHz         -44 337 dBm	Properties►	1 N 1 f 10,592 5 GHz -53,861 dBm 2 N 1 f 19,127 5 GHz -52,532 dBm	roperties►
7 8 9 10 11	More 1 of 2		More 1 of 2
" " " STATUS		* vitro vitr	

DH1	
CH2480	
Reference Level	Higher Edge
Report Spectrum Analyzer: Surget A         Serves Elect         Augor Auro         1153/26 Af Auro 22.204         Frequency           Center Freq 2.480000000 GHz         PRO; Mide         Trig: Free Run         AvgTheid 100100         Trig: Special Auro         Auro         Trig: Special Auro         Auro         Trig: Special Auro         Trig: Special Auro         Auro         Trig: Special Auro         Auro         Trig: Special Auro         Auro         Trig: Special Auro	Normal         Separation         Auge and the separation         Auge and the separation         Marker           Marker 2 2.485550000000 GHz Brain and the separation         Auge Auge and the separation         Auge Auge and the separation         Marker         Marker           Marker 2 2.485550000000 GHz Brain and the separation         Trig: Free Run Atter: 20 dB         Auge Auge and the separation         Marker         Select
Emission Level Warker 3 9.920240000000 GHz PWO: East PWO: East	Nonsidi Spectnum Analyze - Swegt SA.         SKINSC INT         ALIGN AUTO         12209-29 PH Jun 02.204         Marker           Marker 3 23.687500000000 GHz PMOL Fast (1000 000 000 000 000 000 000 000 000 0

DH3	
CH2402	
Reference Level	Lower Edge
Provide Spectral Approximation and provide Approximate Approximate Approximation and provi	Keytigk Spectrum Andyrer - Swept SA         Auge Note         Auge Note         Frequency         Frequency           Center Freq 2.400000000 GHz         Trig: Free Run Atten: 20 dB         Aug Type: Log-Pwr Atten: 20 dB         Trig: Free Run Atten: 20 dB         Auge Note         Auge Note
Emission Level	Konspirati Spectrum Analyzer - Swegt SA.         School (MT)         ALIGN AUTOR         Old (SA)         Marker           Marker 3 23.56750000000 GHz PRO: Fast Galaxie.cov         Trig: Free Rum Atten: 20 dB         Arg Type: Log-Pwr Avg(Modi2-100100         Trig: See Rum Atten: 20 dB         Marker         Select Marker           0 dB/div         Ref offset 11 dB (Galaxie.cov         Marker         Select Marker         Select Marker         Select Marker           0 dB/div         Ref offset 11 dB (Galaxie.cov         Marker         Select Marker         Select Marker         Select Marker           0 dB/div         Ref offset 11 dB (Galaxie.cov         Marker         Select Marker         Select Marker           0 dB/div         Ref offset 11 dB (Galaxie.cov         Marker         Select Marker         Select Marker           0 dB/div         Ref offset 11 dB (Galaxie.cov         Marker         Select Marker         Select Marker           0 dB/div         Ref offset 11 dB (Galaxie.cov         Marker         Select Marker         Select Marker           0 dB/div         Ref offset 11 dB (Galaxie.cov         Marker         Select Marker         Select Marker           0 dB/div         Ref offset 11 dB (Galaxie.cov         Marker         Select Marker         Select Marker           0 dB/div         Select Marker         Select Marker

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## DH3

CH2441

#### Reference Level



Keysight Spectrum Analyzer - Swept SA L RF S0 0 DC Marker 3 9.765705000000	PNO: Fast C Trig: Free R	Avg Type: Log-Pwr un Avg Hold:>100/100	01:23:01 PM Jun 02, 2024 TRAGE 2 3 4 5 TYPE M	Marker	Keynight Spectrum Analyzer - Sw CHL RF 50 G Marker 3 23.665000	2 00	SENSE INT	ALISN AUTO Avg Type: Log-Pwr Avg[Hold:>100/100	01:26:06 PM Jun 02, 2024 TRACE 2 2 4 5 TYPE P	Marker
Ref Offset 11 dB	IFGain:Low Atten: 20 dl		Akr3 9.766 GHz -44.742 dBm	Select Marker	Ref Offset 11	IFGain:Low	Atten: 20 dB	Mkr	3 23.665 0 GHz -50.400 dBm	Select Marker
10.00 0.00				Normal	10.0 0.00					Normal
-10.0			0.1.1.277.00m	Deita	-10.0					Delta
-60.0 -60.0 -70.0			li	Fixed⊳	40.0 40.0 70.0		and the second	\$ <sup>2</sup>		Fixed⊳
Start 30 MHz #Res BW 100 kHz	#VBW 300 kHz	Sweep 9	Stop 10.000 GHz 52.9 ms (2001 pts)	on	Start 10.000 GHz #Res BW 100 kHz	#VB	W 300 kHz	Sweep	Stop 25.000 GHz 1.434 s (2001 pts)	orr
1 N 1 1 2 N 1 1	1.989 GHz -57.331 dBm 3.664 GHz -48.759 dBm 9.766 GHz -44.742 dBm			Properties►	1 N 1 f 2 N 1 f 3 N 1 f 4 5	10.675 0 GHz 19.150 0 GHz 23.665 0 GHz	-54.694 dBm -52.129 dBm -50.400 dBm			Properties►
6 7 8 9 10				More 1 of 2	6 7 8 9 10 11					More 1 of 2
MISC	8	STATU	8		• C		29	STATU	8	

DH3							
CH2480							
Reference Le	evel			Higher Edge			
Center Freq 2.4800000000	#VBW 300 kHz	4199 6010         (11317 0120 2022)           VegType: Log-Per Coll Micro         Trace Coll Micro         Trace Micro           Micro         2.479 837 5 GH2 7.373 dBm           Micro         2.479 837 5 GH2 7.373 dBm           Span 5.000 MHz         Span 5.000 MHz           Sweep 1.067 ms (2001 pts)           Status	Auto Tune Center Freq 2.48000000 GHz Start Freq 2.477500000 GHz CF Step 500.000 kHz CF Step 500.000 kHz Freq Offset 0 Hz Scale Type Log Lin	Ref Offset 11 dB           10 dB/div         Ref 20.00 dBm           100	The free Run Incaint.ow Attent 20 dB	AUGH MUTO         02141598 PM 2m 02,2224           Avg Type: Log-Page         Trace           AvgThoid:>100100         Trace           Mkr2 2,483 50 GH2         -52,029 dBm           Span 100,0 MH5         System 20,000           Span 100,0 MH5         System 20,000           Span 100,0 MH5         Function vidue	Select Marker 2 Normal Deita Fixed
Emission Lev		ALION AUTO 0612763 PH 3m 02, 2024 Avg Type: Log-Pwr wgHold>100100 Hkr3 9,920 GHz -46,139 dBm x1-720 db x1-720 db x1-	Select Marker, 3 Normal Delta Fixedi-	Register Spectrum Analyzer - Swept SA           Value         SS         SS 000000000           Ref Offset 11 dB         SS 00000000         I           10 dB/div         Ref Offset 11 dB         I           00         I         I         I           10 dB/div         Ref Offset 11 dB         I         I           11 dB/div         Ref Offset 11 dB         I         I           10 dB/div	GHz PRO: Fast CGainclow Trig: Free Run Atten: 20 dB #VBW 300 kHz	AUGN AUTO (0120 67 PH) AU 02 2024 Avg Type Log-Par Avg Ty	Marker Select Marker 3 Normal Delta Fixed
MAR MODE THE SELL X		N PUNCTION WIDTH PUNCTION VALUE +	Properties> More 1 of 2	MKR MODE TRC SCL X 1 N 1 f 13.66 2 N 1 f 19.76		CTON FUNCTION MIDTH FUNCTION VALUE	Properties) More 1 of 2

DH5	
CH2402	
Reference Level	Lower Edge
Center Freq 2.40200000 GHz Frequency Trig: Free Rin Avg Hold: 10010 Avg Type: Log-Par Avg Hold: 10010 Trig: Free Rin Avg Hold: 1000 Trig: Free Rin	Ref Offset 11 dB         Mir2 2.40000000 GHz         Center Freq 2.400000000 GHz         Center Freq 2.40000000 GHz         Center Freq 2.40000000 GHz         Center Freq 2.40000000 GHz         Center Freq 2.40000000 GHz         Center Freq 2.400000 GHz         Center Freq 2.40000 GHz         Center Freq 2.400000 GHz         Start Freq 2.400000 GHz           000         000         000         000         000         000         0000         0000         0000         0000         0000         000000         0000         000000         000000         000000         0000000         000000         0000000         0000000         0000000         0000000         0000000         0000000         0000000         0000000         0000000         0000000         0000000         0000000         000000000000000000000000000000000000
Emission Level Register for the start and provided in the start and p	Registive Section Analyser - Sweet SA.         Schellen in Augure - Sweet SA.         Augure - Sweet SA.         Augure - Sweet SA.         Marker - Schellen in Augure - Schellen in

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## DH5

CH2441

#### Reference Level



Keynight Spectrum Ansizer - Swept SA         String Extra 1         Autor Autor 2         Aug Type: Log-Pwr 7 trig: Free Run Atten: 20 dB         Aug Type: Log-Pwr Aug Hold:>100100         Trig: Free Run 7 trig: Free Run Aug Hold:>100100         Trig: Free Run 7 trig: Free R	Marker	Keylight Spectrum Analyzer - Swrgt SA         SENSE_SITT         ALION AUTO         (01-146/37 PH Jun 02, 2024)           Watrker 3 23/612/50000000000 GHz         Trig: Free Run IFGain-Low         Trig: Free Run Atten: 20 dB         AvgType: Log-Paw         Trick TP 24.44	Marker Select Marker
Ref Offset 11 dB Mkr3 9.766 GH 10 dB/div Ref 20.00 dBm -44.466 dBr	3	Ref Offset 11 dB Mkr3 23.612 5 GHz 10 dB/div Ref 20.00 dBm -50.220 dBm	3
	Normal		Normal
	3 Deita		Delta
	Fixed⊳	$\begin{pmatrix} 400\\ 600\\ 700 \end{pmatrix} = \begin{pmatrix} 1\\ 600\\ 700 \end{pmatrix}$	Fixed⊳
Start 30 MHz         Stop 10.000 GH           #Res BW 100 kHz         #VBW 300 kHz         Sweep 952.9 ms (2001 pt           MR MOR TRC Sci         x         Y         Filection         Electrony work	IZ S) Off	Start 10.000 GHz         Stop 25.000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.4:34 s (2001 pts)           MR MODE TRC SCU         X         Y         Electron Work         Electron Work	on
1         N         1         f         1.783 GHz         -58.661 dBm           2         N         1         f         3.559 GHz         -48.266 dBm           N         1         F         9.786 GHz         -44.466 dBm	Properties ►	1         N         1         f         10.645.0 GHz         -54.516 dBm           2         N         1         f         19.83.2 GHz         -50.291 dBm           2         N         1         f         23.812 S GHz         -50.291 dBm           4         1         f         23.812 S GHz         -50.220 dBm         -50.220 dBm	Properties►
	More 1 of 2	9 9 10	More 1 of 2
* STATUS		* C T T T T T T T T T T T T T T T T T T	

DH5	
CH2480	
Reference Level	Higher Edge
Register Spectrum Analyzer - Swegt SA         SENSE2INTI         ALION AUTO         91:4751 PH Xm 92, 2824         Frequency           Center Freq 2.480000000 GHz PHO: Wide C         Trig: Free Run If Gain2.cov         Avg Type: Log-Pvr Avg/Hold>100/100         Tric: Prequency         Frequency           Ref Offset 11 dB         Mkr1 2.480 157 5 GHz         Auto Tune	Koylight Section Andjoc - Sweg SA     Frequency     Frequency     Koylight Section Andjoc - Sweg SA     Koylight Section Andjoc - Sweg SA
Ref Offset 11 dB         MKIT 12.430 137 3 GR2           Log         7.606 dBm           Log         2.48000000 GHz           Log         1           Log         1           Log         2.48000000 GHz           Log         2.47760000 GHz	ID         GEI/div         Ref 20.00 dBm         -52.318 dBm           Log
30 B 30 C 40 CF Step 50 0000 kHz Auto Man	Stop Free         Stop Free <t< td=""></t<>
600         700         Freq Offset         0 H2           700         Span 5.000 MHz         Scale Type           Ecenter 2.480000 GHz         #VBW 300 kHz         Sweep 1.067 ms (2001 pts)         Log           #20         (127/10)	A         N         I         Y         2.483 s0 GHZ         32.318 00 ml         Freq Offse         0 Hl           6         I
Emission Level	
Keynight Spectrum Analyzer - Swept SA         School Street Analyzer - Swept SA         School Street Analyzer - Swept SA         School Street Analyzer - Swept SA           Marker 3 9.9202400000000 GHz PHO: Flast IF Gelin Low         School Street Analyzer - Swept SA         Aug Na/TO         [01:30:47 PH Jun 92; 2024         Marker           Aug Name         PHO: Flast IF Gelin Low         Trig: Free Run Atten: 20 dB         Aug Na/TO         [01:30:47 PH Jun 92; 2024         Marker           Select Marker Arg (Mold>100/100         Trig: Free Run Atten: 20 dB         Aug Na/TO         [01:30:47 PH Jun 92; 2024         Marker           Select Marker Arg (Mold>100/100         Trig: Free Run Atten: 20 dB         Mkr/3 9.920 GHz         Select Marker 3           [0 dB/div         Kef 20:00 dBm         -46: 263 d Bm         3	Knylight Sectum Andjær - Swegt SA         SENSELNTI         ALDIN AUTO         01:33:58 PM Jm 02,2024         Marker           W L         PF         99 g         0C         SENSELNTI         ALDIN AUTO         01:33:58 PM Jm 02,2024         Marker           Marker 3 23.7100000000000         CH2         Trig: Free Run If Gain1.0w         Trig: Free Run Atten: 20 dB         Marker         Trig: SenseLivit         Select Marker           Select Marker         30         Gel Offset 11 dB         Select Marker         Select Marker           10 dB/div         Ref Offset 11 dB         -50,419 dBm         3
100 000 000 000 000 000 000 000 000 000	100 Norma 100 201 12 39 cm
Dalta	and Delta
300	$\int_{10}^{400} \phi^1 \qquad \qquad$
400         400 <td>Start 10.000 GHz         Stop 25.000 GHz         Stop 25.000 GHz         Of           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)         Of</td>	Start 10.000 GHz         Stop 25.000 GHz         Stop 25.000 GHz         Of           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)         Of
40 40 40 40 40 40 40 40 40 40	100 C Fixed:

3DH1	
CH2402	
Reference Level	Lower Edge
Resplayer Spectrum Analyser - Swept SA         Skine Exititi         Auton Munitor         Firsquarks         Frequency           Center Freq 2.402000000 GHz First, Wide 000         Trig: Free Run Atten: 20 dB         Avg Type: Log-Pur ArgiNed-s100100         Tric: Freq Run ArgiNed-s100100         Tric: Freq Run ArgiNed-s100100         Auto Tune           10 dEIddiv 000         Ref Offset 11 dB 000         Center Freq 2.402000000 GHz 7.792 dBm         Center Freq 2.40200000 GHz 2.40200000 GHz 2.40200000 GHz 2.40200000 GHz 2.4020000 GHz 2.4020000 GHz 2.40400000 GHz 2.40400000 GHz 2.40400000 GHz 2.4040000 GHz 2.404000 GHz 2.40400 GHz 2.4040000 GHz 2.40400 GHz 2.40400 GHz 2.40400 GHz 2.4040 GHz 2.40400 GHz 2.4040	Reprint Spectrum Andress - Swegt SA         SUBJE INIT         Augh Arro         (61.36:13 PH Jm 02.2021)         Frequency           Center Freq 2.4000000000 GHz PN0: Fast 0 dBidlay         PN0: Fast PN0: Fast P
Scale Type           Secale T	Keylight Spectrum Analyzer - Swegt SA     Status       Marker 3 23.6050000000000 GHz If GalanLow     Status       Marker 3 23.60500000000000 GHz If GalanLow     Trig: Free Run Aten: 20 dB       Marker 3 23.605 00000000000000000000000000000000000
Ref Offset 11 dB         MKR3 9.600 GFI2         3           Log         -46.527 dBm         -46.527 dBm           00         -46.527 dBm         -46.527 dBm           00         -46.527 dBm         -46.527 dBm           00         -51         -52           00         -51         -52           00         -51         -52           00         -51         -52           00         -51         -52           00         -51         -52           00         -51         -52           00         -51         -52           00         -51         -52           00         -51         -52           01         -52         -53           02         -53         -52           03         -52         -53           040         -51         -52           050         -52         -53           040         -52         -53           050         -52         -53           050         -52         -53           050         -52         -53           050         -53         -54 <td< td=""><td>Ref Offset 11 dB         MKR 23,805 U CH2         3           1 o dBlaty         Ref 20,00 dBm         -49,860 dBm         -49,860 dBm           0 observed         -49,860 dBm</td></td<>	Ref Offset 11 dB         MKR 23,805 U CH2         3           1 o dBlaty         Ref 20,00 dBm         -49,860 dBm         -49,860 dBm           0 observed         -49,860 dBm
Start 30 MHz         Stop 10.000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 952.9 ms (2001 pts)           MM MODE TRC SCL         X         Y         Function         Fun	Start 10.000 GHz         Stop 25.000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)           MM MORE RC SCL         X         Function worth         Function worth
1         N         1         7         1.966 GHz         -50.654 dBm         -50.654 dBm         - <td< td=""><td>1         N         1         f         10.800 GHz         -53.689 dBm           2         N         1         f         19.000 GHz         -51.33 dBm         -51.33 dBm           3         N         1         f         23.695 0 GHz         -49.880 dBm         -49.880 dBm</td></td<>	1         N         1         f         10.800 GHz         -53.689 dBm           2         N         1         f         19.000 GHz         -51.33 dBm         -51.33 dBm           3         N         1         f         23.695 0 GHz         -49.880 dBm
7 8 9 10 10 10	7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10

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## 3DH1

CH2441

#### Reference Level



Keynight Spectrum Analyzer - Swrget SA         SENSE_INIT         AUGN AVTO         002.6541 PH Am 02, 2024           Markfer 3 9,765705000000 GHz         Trig: Free Run         Avg Type: Log-Pwr         Trick IP 2 4 4 5           PRO: Fast C         Trig: Free Run         Avg Type: Log-Pwr         Trick IP 2 4 4 5           If GairLow         Atten: 20 dB         Avg Type: Log-Pwr         Trick IP 2 4 4 5	Marker Select Marker	Konsight Spectrum Analyzer - Swegt 3A         SENSE_DIT         ALIGN AUTO         (22.9715 PH Jun 02, 2024)           W L         PE         30 B         DC         Trig: Free Run         AVIG Type: Log-Pwr         TRUCE TI 2: 44.37           Marker 3 233.637/5000000000 GHz         Trig: Free Run         AvgType: Log-Pwr         TRUCE TI 2: 44.37           IFGaint.com         Trig: Free Run         AvgType: Log-Pwr         TRUCE TI 2: 44.37	Marker Select Marker
Ref Offset 11 dB         Mkr3 9.766 GHz           10 dB/div         Ref 20.00 dBm         -44.993 dBm	3	Ref Offset 11 dB Mkr3 23.687 5 GHz 10 dB/div Ref 20.00 dBm -49.494 dBm	3*
	Normal		Normal
	Delta		Deita
	Fixed⊳		Fixed
Start 30 MHz         Stop 10.000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 952.9 ms (2001 pts)           INF MODE TRCI SCI         X         Y         Election         Election value	orr	Start 10.000 GHz         Stop 25.000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)           MR MODE TRC SCL         X         Y         Election Vieture Internet water	on
1         N         1         f         1.902 GHz         .45.288 dBm           2         N         1         f         .3.659 GHz         .48.620 dBm           N         1         f         9.766 GHz         .44.993 dBm	Properties►	N         1         f         10.622.5 GHz         -55.057 dBm           2         N         1         f         18.692.5 GHz         -52.291 dBm           N         1         f         23.687.5 GHz         -49.494 dBm         -           N         1         f         23.687.5 GHz         -49.494 dBm         -	Properties►
9 9 10	More 1 of 2		More 1 of 2

3DH1					
CH2480					
Reference Le	evel			Higher Edge	
Register         Second Se	Proc. Wide Proc. Proc. Proc. Wide Proc. Wide Proc. Wide Proc. Proc	Avg Type Log Pur Avg Type Log Pur Avg Type Log Pur Mkr1 2.479 840 0 0 7.593 d 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Auto Tune     Auto Tune     Center Freq     2.49000000 GHz     Start Freq     2.49250000 GHz     Stop Freq     2.49250000 GHz     Stop Stop     Freq Offset     OHz     Scale Type	Reside         State         State <t< th=""><th>Aarker ct Marker 2 Normal Delta FixedP Off Properties P More 1 of 2</th></t<>	Aarker ct Marker 2 Normal Delta FixedP Off Properties P More 1 of 2
#Res BW 100 kHz	#VBW 300 kHz	Sweep 1.067 ms (2001 status	pts)	and a status	
Emission Lev	DO CHZ PNO: Fast C Trig: Free Run Atten: 20 dB	Aug Type Log Pur Aug Ty	Select Marker Select Marker Normal Delta GHz Delta GHz Doft	Marker 3 23.575000000000 GHZ         Trig: Free Run         Avg/Hdd>         Avg/Hdd>         Trig: Free Run         Avg/Hdd>         Avg/Hdd>         Trig: Free Run         Avg/Hdd         Trig: Free Run         Avg/Hdd         Avg/Hdd <th< th=""><th>Marker ct Marker 3 Normal Delta FixedP</th></th<>	Marker ct Marker 3 Normal Delta FixedP
MRR MODE THC SCL X 1 N 1 7 2 N 1 7 3 N 1 7 4 6 6 7 7 8 9 9 9 9 10 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Y         Func           1.904 GHz         48.772 dBm           3.719 GHz         -51.234 dBm           9.920 GHz         -46.361 dBm		Properties ► More 1 of 2	1 N 1 f 10,600 0 GHz -54,107 dBm 2 N 1 f 19,090 0 GHz -53,002 dBm	Properties More 1 of 2

3DH3	
CH2402	
Reference Level	Lower Edge
Center Pred 2.40200000 Gio Tig: Free Run Rec Mater: 20 dB Mkr1 2.401 840 0 GHz 10 dB/dlv Ref 20.00 dBm 7.776 dBm 7.7776 dBm 7.7776 dBm 7.776 dBm 7.7776 dBm 7.776 dBm 7.776 dB	Constraint         Constra
Ref Offset 11 dB         Mirra 19, 500 minute         Mirra 19, 500 minute         Mirra 19, 500 minute         Selection         Selection <td>Marker         Knick for Senset A         Store Data         Auge Auro         (6) 22349 PM Mary 31, 203         Marker           Marker         3         Marker 3 23.597500000000 GHz         Trig: Free Run         Arg Type: Log-Pwr         Tricc: Tric: Tricc: Tricc: Tricc: Tric: Tricc: Tricc: Tricc: Tricc</td>	Marker         Knick for Senset A         Store Data         Auge Auro         (6) 22349 PM Mary 31, 203         Marker           Marker         3         Marker 3 23.597500000000 GHz         Trig: Free Run         Arg Type: Log-Pwr         Tricc: Tric: Tricc: Tricc: Tricc: Tric: Tricc: Tricc: Tricc: Tricc
MRR MODE TRC: SCL         X         Y         FUNCTION         FUNCTION         FUNCTION         FUNCTION WIDTH         FUNCTION WIDTH </td <td>Off         #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)         Of           Propertiest         I</td>	Off         #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)         Of           Propertiest         I

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### 3DH3

CH2441

#### Reference Level



Keynight Spectrum Analyzer - Sangt SA         SENSE:INT         ALIGN AUTO           20         K         1         82         100 a         0C         ALIGN AUTO           Marker 3 9.765705000000 GHz         Figs: Free Run IRCain-Low         Trig: Free Run Atten: 20 dB         Avg1Mold > 100/100	05:20:45 PH May 31, 2024 TRACE 22.4 TWO 22.4 DET CONSTITUTE DET CONSTITUTE	Marker 3 23.612500000000 GHz         SENSEINT         AUDIA M/TO         653121 MMary 31, 3021           Marker 3 23.612500000000 GHz         Trig: Free Run         AvgThyla: Log-Pwr         Trig: See Run         AvgThyla: Collorion         Trig: See Run	Marker Select Marker
Ref Offset 11 dB M	kr3 9.766 GHz -44.400 dBm	Bit Offset 11 dB         Mkr3 23.612 5 GHz           10 dB/div         Ref 20.00 dBm         -50.127 dBm	3*
	Norm	rmal 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Normal
300 300 400	Del	300	Deita
	Fixed	edP 40.0 40 40 40 40 40 40 40 40 40 40 40 40 40	Fixed⊳
Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 95	Stop 10.000 GHz 2.9 ms (2001 pts) O	Start 10.000 GHz Stop 25.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.434 s (2001 pts)	on
INR MODE TRC: SLL         X         Y         FUNCTION         FUNCTION         FUNCTION         FUNCTION MIDTH           1         N         1         f         1.770 GHz         -57.445 dBm         M         1         1         7         3.859 GHz         -49.641 dBm         M         1         1         7         9.766 GHz         -44.400 dBm         4         6	PUNCTION VALUE > Properties	MMR MODE TRC SCL         X         Y         Function         F	Properties►
7 8 9 9 10	- Moi 1 of	More 9 9 10/2 11	More 1 of 2
NS5 STATUS		MSC STATUS	



3DH5	
CH2402	
Reference Level	Lower Edge
Explosit Sector         Stretcart         Audio Margo         Description         Frequency           Center Freq 2.402000000 GHz (Frainclow)         Trig: Free Run (Frainclow)         Aug Type: Log-Run Avg/Hold>1000000         Trig: Gree Run Avg/Hold>1000000         Frequency         Audio Ture           0.000 GHz (Frainclow)         Trig: Free Run (Frainclow)         Aug Type: Log-Run Avg/Hold>100000         Trig: Free Run Avg/Hold>100000         Trig: Free Run Avg/Hold>10000000         Trig: Free Run Avg/Hold>1000000000000         Trig: Free Run Avg/Hold>1000000000000000000000000000000000000	Knydigk Telecthum Audjører - Sange SA.         Sange
Emission Level       Marker Sh       Augr Autor	Koylight Spectrum Andyzer - Swyst SA.         SENSE_INTI         ALION AUTO         [01:15:20 PM Mar 31,2024]         Marker           Marker 3 23,552500000000 GHz PRO: Fast IFGainLow         Trig: Free Run Atten: 20 dB         Avg Type: Log-Pwr Avg/Hold > 1001 to 1001 to cor         Trig: Sense_INTI         Auton Auto         [01:15:20 PM Mar 31,2024]         Marker           Variation of the sense of the se
$\delta_0^{2}$	Corr         Corr         Corr         Corr         Norr           100
Fixed>	Start 10.000 GHz         Stop 25.000 GHz         Stop 25.000 GHz           WRes BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)         C           1         N         I
Res BW 100 kHz         #VBW 300 kHz         Sweep         952.9 ms (2001 pts)         Off           NR MODE RNC SCL         X         Y         Function         Function width         Func	MKR MODE TRC SCL X Y FUNCTION FUNCTION VALUE +

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#### 3DH5

CH2441

#### Reference Level



#### **Emission Level**

Keylight Spectrum Analyzer - Swept SA         SENIGE.BUT         AUGN AUTO         [0):52:51 PM1My 20           W         K         PP         59:00         C         SENIGE.BUT         AUGN AUTO         [0):52:51 PM1My 20           Marker 3: 9.765705000000 GHz         Trig: Free Run         Avg Type. Log-Pwr         Trig: Gree Run         Avg Type. Log-Pwr         Trig: Free Run           Atten: 20 db         Atten: 20 db         Avg Type. Log-Pwr         Trig: Free Run         Avg Type. Log-Pwr	Marker	Konight Spectrum Andjoer - Swegt SA         SSINSE.INT         ALION AUTO         00338/03 PM Nur 31, 2024         Mark           Marker 3 23.7025000000000 GHz         Frig: Free Run         Arg Type: Log-Rwr         Trocc 12.2 K         Mark           If Galance 20 dB         Free Run         Arg Type: Log-Rwr         Trocc 12.2 K         Select N	
Ref Offset 11 dB Mkr3 9.766 0 10 dB/div Ref 20.00 dBm -44.864 d	GHz 3	Ref Offset 11 dB Mkr3 23,702 5 GHz 10 dB/div Ref 20.00 dBm -50,702 dBm	3
	Normal		Normal
	Delta		Deita
	Fixed⊳		Fixed⊳
Start 30 MHz         Stop 10.000           #Res BW 100 kHz         #VBW 300 kHz         Sweep 952.9 ms (2001           MM MODE TRC SCL         X         Y         Ranction Hotel         Planction water	pts) Off	Start 10.000 GHz         Stop 25.000 GHz           #Res BW 100 kHz         #VBW 300 kHz         Sweep 1.434 s (2001 pts)           Iver Mode TRC SCL         X         Y         Function         Runction value	on
1         N         1         f         1.855 GHz         -57.755 dBm           2         N         1         f         3.659 GHz         -51.242 dBm           N         1         r         9.765 GHz         -44.854 dBm	Properties►	1 N 1 f 14.387 5 GHz -54.571 dBm 2 N 1 f 19.825 9 GHz -52.022 dBm	perties►
	More 1 of 2		More 1 of 2
e ni ministratus MSG STATUS		Y NSC STATUS	

Audix Technology (Shanghai) Co., Ltd. Report No.: ACI-F24096



## **12 ANTENNA REQUIREMENT**

## 12.1 Specification Limits (§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.

#### 12.2 Result

According to KDB 353028 D1, the following describes the three ways that can			
be used to demonstrate compliance to Section 15.203:			
a) Antenna permanently attached.			
b) Unique (non-standard) antenna connector.			
c) Professional installation.			
For this product, the antenna is:			
□ Antenna permanently attached			
☑ Unique (non-standard) antenna connector			
$\Box$ Professional installation			
$\Box$ not meet any of ways list above			
that			
☑ compliant			
$\Box$ not compliant			
with the requirement of Section 15.203.			

## **13 DEVIATION TO TEST SPECIFICATIONS**

None.

## **14 MEASUREMENT UNCERTAINTY LIST**

The measurement uncertainty was estimated for test on the EUT according to CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage of K=2. The uncertainties value is not used in determining the PASS/FAIL results.

Test Items/Facilities	Frequency/Equipment/Unit	Uncertainty
Conducted Emission	9kHz~150kHz	±3.1 dB
No.1 Shielded Room	150kHz~30MHz	±2.6 dB
Conducted Emission	9kHz~150kHz	±3.1 dB
No.3 Shielded Room	150kHz~30MHz	±2.6 dB
Radiated Emission	30MHz~200MHz, Horizontal	±3.8 dB
	30MHz~200MHz, Vertical	±4.1 dB
	200MHz~1000MHz, Horizontal	±3.6 dB
	200MHz~1000MHz, Vertical	±5.1 dB
	1GHz~6GHz	±5.3 dB
	6GHz~18GHz	±5.3 dB
	18GHz~40GHz	±3.5 dB
Output Power Test	50MHz~18GHz	0.77 dB
Power Density Test	9kHz~6GHz	1.08 dB
RF Frequency Test	9kHz~40GHz	6*10-4
Bandwidth Test	9kHz~6GHz	$1.5*10^{-3}$
RF Radiated Power Test	30MHz~1000MHz	3.06 dB
Conducted Output Power Test	50MHz~18GHz	0.83 dB
AC Voltage(<10kHz) Test	120V~230V	0.04 %
DC Power Test	0V~30V	0.4 %
Temperature	-40°C~+100°C	0.52 °C
Humidity	30%~95%	2.6 %