

# RADIO TEST REPORT FCC ID: Z63-AUSDOM001

Product:WIRELESS HEADPHONESTrade Mark:AUSDOMModel No.:ANC1Family Model:ANC1S, ANC1 PRO, ANC10Report No.:S21040801903001Issue Date:18 May. 2021

# **Prepared for**

Shenzhen Aoni Electronic Industry Co., Ltd.

Honghui Industrial Park, 2nd LiuXian Road, Xin'An streets, District 68,Bao'an District, Shenzhen, China

# Prepared by

Shenzhen NTEK Testing Technology Co., Ltd. 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China Tel. 400-800-6106,0755-2320 0050 / 2320 0090 Website: http://www.ntek.org.cn



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## **1 TEST RESULT CERTIFICATION**

Applicant's name:	Shenzhen Aoni Electronic Industry Co., Ltd.		
Address:	Honghui Industrial Park, 2nd LiuXian Road, Xin'An streets, District 68,Bao'an District, Shenzhen, China		
Manufacturer's Name:	Shenzhen Aoni Electronic Industry Co., Ltd.		
Address:	Honghui Industrial Park, 2nd LiuXian Road,		
	Xin'An streets, District 68, Bao'an District, Shenzhen, China		
Product description			
Product name:	WIRELESS HEADPHONES		
Model and/or type reference:	ANC1		
Family Model	ANC1S, ANC1 PRO, ANC10		

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Measurement Procedure Used:

APPLICABLE STANDARDS		
STANDARD/ TEST PROCEDURE	TEST RESULT	
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C ANSI C63.10-2013	Complied	

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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The test results of this report relate only to the tested sample identified in this report.

Date of Test	:	08 Apr. 2021 ~ 18 May. 2021
Testing Engineer	:	(Mary Hu)
Technical Manager	:	(Jason Chen)
		(Jason Chen)
Authorized Signatory	:	(Alex Li)

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#### SUMMARY OF TEST RESULTS 2

FCC Part15 (15.247), Subpart C			
Standard Section	Test Item	Verdict	Remark
15.207	Conducted Emission	PASS	
15.209 (a) 15.205 (a)	Radiated Spurious Emission	PASS	
15.247(a)(1)	Hopping Channel Separation	PASS	
15.247(b)(1)	Peak Output Power	PASS	
15.247(a)(iii)	Number of Hopping Frequency	PASS	
15.247(a)(iii)	Dwell Time	PASS	
15.247(a)(1)	Bandwidth	PASS	
15.247 (d)	Band Edge Emission	PASS	
15.247 (d)	Spurious RF Conducted Emission	PASS	
15.203	Antenna Requirement	PASS	

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Remark:

 "N/A" denotes test is not applicable in this Test Report.
 All test items were verified and recorded according to the standards and without any deviation during the test.



## **3 FACILITIES AND ACCREDITATIONS**

#### 3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

#### 3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description	
CNAS-Lab.	: The Certificate Registration Number is L5516.
IC-Registration	The Certificate Registration Number is 9270A. CAB identifier:CN0074
FCC- Accredited	Test Firm Registration Number: 463705.
	Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01
Name of Firm	: Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

#### 3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y\pm U$ , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(30MHz~1GHz)	±2.64dB
5	All emissions, radiated(1GHz~6GHz)	±2.40dB
6	All emissions, radiated(>6GHz)	±2.52dB
7	Temperature	±0.5°C
8	Humidity	±2%

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# 4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification			
Equipment	WIRELESS HEADPHONES		
Trade Mark	AUSDOM		
FCC ID	Z63- AUSDOM001		
Model No.	ANC1		
Family Model	ANC1S, ANC1 PRO, ANC10		
Sample serial number	S210408019006		
Model Difference	All models are the same circuit and RF module, except the Model Name		
Operating Frequency	2402MHz~2480MHz		
Modulation	GFSK, π/4-DQPSK, 8-DPSK		
Number of Channels	79 Channels		
Antenna Type	PCB Antenna		
Antenna Gain	0 dBi		
Power supply	DC 3.7V from battery or DC 5V from USB port		
Adapter	N/A		
HW Version	V2		
SW Version	V16		

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Note 1: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.



## **Revision History**

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Report No.	Version	Description	Issued Date	
S21040801903001	Rev.01	Initial issue of report	18 May. 2021	



## **5 DESCRIPTION OF TEST MODES**

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (1Mbps for GFSK modulation; 2Mbps for  $\pi$ /4-DQPSK modulation; 3Mbps for 8-DPSK modulation) were used for all test.

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

Carrier Frequency and Channel list:

Channel	Frequency(MHz)
0	2402
1	2403
39	2441
40	2442
77	2479
78	2480

Note: fc=2402MHz+k×1MHz k=0 to 78

The following summary table is showing all test modes to demonstrate in compliance with the standard.

For AC Conducted Emission		
Final Test Mode	Description	
Mode 1	normal link mode	

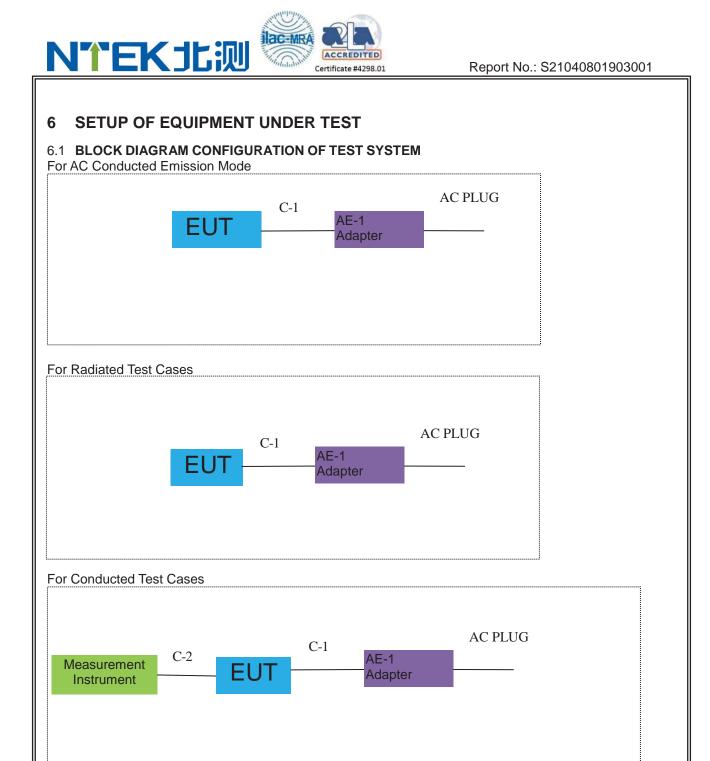
Note: AC power line Conducted Emission was tested under maximum output power.

For Radiated Test Cases		
Final Test Mode	Description	
Mode 1	normal link mode	
Mode 2	CH00(2402MHz)	
Mode 3	CH39(2441MHz)	
Mode 4	CH78(2480MHz)	

Note: For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

For Conducted Test Cases				
Description				
CH00(2402MHz)				
CH39(2441MHz)				
CH78(2480MHz)				
Hopping mode				
-				

Note: The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.



Note: 1. The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.



#### 6.2 SUPPORT EQUIPMENT

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model/Type No.	Series No.	Note
AE-1	Adapter	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	DC Cable	YES	NO	1.0m
C-2	RF Cable	YES	NO	0.1m

#### Notes:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in [Length] column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".

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#### 6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

#### Radiation& Conducted Test equipment

		est equipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2020.07.13	2021.07.12	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2020.07.13	2021.07.12	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2020.07.13	2021.07.12	1 year
4	Test Receiver	R&S	ESPI7	101318	2020.07.13	2021.07.12	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2020.07.13	2021.07.12	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2020.07.13	2021.07.12	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2020.12.10	2021.12.09	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2020.07.13	2021.07.12	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2020.12.10	2021.12.09	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2020.07.13	2021.07.12	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2019.08.6	2022.08.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2019.08.6	2022.08.05	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2019.06.28	2022.06.27	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2020.07.13	2021.07.12	1 year
16	Filter	TRILTHIC	2400MHz	29	2020.07.13	2021.07.12	1 year
17	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

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Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test And this temporary antenna connector is listed within the instrument list



AC Conduction Test equipment							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2020.07.13	2021.07.12	1 year
2	LISN	R&S	ENV216	101313	2020.07.13	2021.07.12	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2020.07.13	2021.07.12	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year

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Note: Each piece of equipment is scheduled for calibration once a year except the Aux Equipment & Test Cable which is scheduled for calibration every 2 or 3 years.

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# 7 TEST REQUIREMENTS

### 7.1 CONDUCTED EMISSIONS TEST

#### 7.1.1 Applicable Standard

According to FCC Part 15.207(a)

#### 7.1.2 Conformance Limit

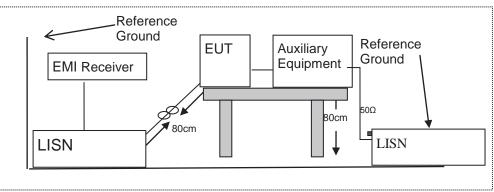
Fragueney (MHz)	Conducted Emission Limit		
Frequency(MHz)	Quasi-peak	Average	
0.15-0.5	66-56*	56-46*	
0.5-5.0	56	46	
5.0-30.0	60	50	

Note: 1. \*Decreases with the logarithm of the frequency

2. The lower limit shall apply at the transition frequencies

3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### 7.1.3 Test Configuration



#### 7.1.4 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- 3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- 5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 6. LISN at least 80 cm from nearest part of EUT chassis.
- 7. The frequency range from 150KHz to 30MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
- 9. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 7.1.5 Test Results

Pass



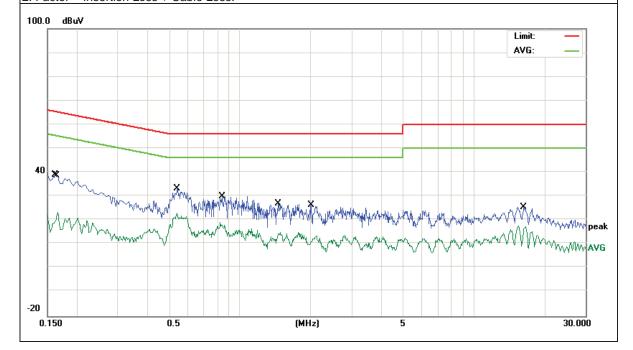
#### 7.1.6 Test Results

EUT:	WIRELESS HEADPHONES	Model Name :	ANC1
Temperature:	21.5 ℃	Relative Humidity:	55%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

ding Level dBµV) 29.34	Correct Factor (dB)	Measure-ment (dBµV)	Limits	Margin	Remark
	(dB)	(dBµV)			
29.34			(dBµV)	(dB)	Kemalk
	9.55	38.89	65.36	-26.47	QP
13.67	9.55	23.22	55.15	-31.93	AVG
23.77	9.54	33.31	56.00	-22.69	QP
13.53	9.54	23.07	46.00	-22.93	AVG
20.41	9.54	29.95	56.00	-26.05	QP
9.66	9.54	19.20	46.00	-26.80	AVG
17.31	9.55	26.86	56.00	-29.14	QP
5.33	9.55	14.88	46.00	-31.12	AVG
16.66	9.57	26.23	56.00	-29.77	QP
3.89	9.57	13.46	46.00	-32.54	AVG
15.70	9.80	25.50	60.00	-34.50	QP
7.47	9.80	17.27	50.00	-32.73	AVG
1	23.77 13.53 20.41 9.66 17.31 5.33 16.66 3.89 15.70	23.77       9.54         13.53       9.54         20.41       9.54         9.66       9.54         17.31       9.55         5.33       9.55         16.66       9.57         3.89       9.57         15.70       9.80	23.779.5433.3113.539.5423.0720.419.5429.959.669.5419.2017.319.5526.865.339.5514.8816.669.5726.233.899.5713.4615.709.8025.50	23.77       9.54       33.31       56.00         13.53       9.54       23.07       46.00         20.41       9.54       29.95       56.00         9.66       9.54       19.20       46.00         17.31       9.55       26.86       56.00         5.33       9.55       14.88       46.00         16.66       9.57       26.23       56.00         3.89       9.57       13.46       46.00         5.70       9.80       25.50       60.00	23.77       9.54       33.31       56.00       -22.69         13.53       9.54       23.07       46.00       -22.93         20.41       9.54       29.95       56.00       -26.05         9.66       9.54       19.20       46.00       -26.80         17.31       9.55       26.86       56.00       -29.14         5.33       9.55       14.88       46.00       -31.12         16.66       9.57       26.23       56.00       -29.77         3.89       9.57       13.46       46.00       -32.54         15.70       9.80       25.50       60.00       -34.50

Remark:

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.





Report No.: S21040801903001

EUT:	WIRELESS HEADPHONES	Model Name :	ANC1
Temperature:	21.5℃	Relative Humidity:	55%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

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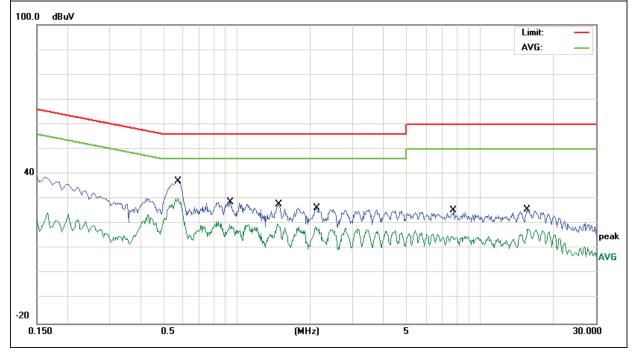
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			1			· · · · · · · · · · · · · · · · · · ·
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.5740	27.73	9.55	37.28	56.00	-18.72	QP
0.5740	20.58	9.55	30.13	46.00	-15.87	AVG
0.9420	19.05	9.56	28.61	56.00	-27.39	QP
0.9420	10.28	9.56	19.84	46.00	-26.16	AVG
1.4819	18.15	9.56	27.71	56.00	-28.29	QP
1.4819	10.52	9.56	20.08	46.00	-25.92	AVG
2.1300	16.91	9.58	26.49	56.00	-29.51	QP
2.1300	9.34	9.58	18.92	46.00	-27.08	AVG
7.7779	15.80	9.67	25.47	60.00	-34.53	QP
7.7779	5.50	9.67	15.17	50.00	-34.83	AVG
15.7059	16.03	9.79	25.82	60.00	-34.18	QP
15.7059	8.12	9.79	17.91	50.00	-32.09	AVG

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.





#### 7.2 RADIATED SPURIOUS EMISSION

#### 7.2.1 Applicable Standard

#### According to FCC Part 15.247(d) and 15.209 and ANSI C63.10-2013

#### 7.2.2 Conformance Limit

According to FCC Part 15.247(d): 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)). According to FCC Part15.205, Restricted bands

MHz	MHz	GHz
16.42-16.423	399.9-410	4.5-5.15
16.69475-16.69525	608-614	5.35-5.46
16.80425-16.80475	960-1240	7.25-7.75
25.5-25.67	1300-1427	8.025-8.5
37.5-38.25	1435-1626.5	9.0-9.2
73-74.6	1645.5-1646.5	9.3-9.5
74.8-75.2	1660-1710	10.6-12.7
123-138	2200-2300	14.47-14.5
149.9-150.05	2310-2390	15.35-16.2
156.52475-156.52525	2483.5-2500	17.7-21.4
156.7-156.9	2690-2900	22.01-23.12
162.0125-167.17	3260-3267	23.6-24.0
167.72-173.2	3332-3339	31.2-31.8
240-285	3345.8-3358	36.43-36.5
322-335.4	3600-4400	(2)
	MHz 16.42-16.423 16.69475-16.69525 16.80425-16.80475 25.5-25.67 37.5-38.25 73-74.6 74.8-75.2 123-138 149.9-150.05 156.52475-156.52525 156.7-156.9 162.0125-167.17 167.72-173.2 240-285	MHzMHz16.42-16.423399.9-41016.69475-16.69525608-61416.80425-16.80475960-124025.5-25.671300-142737.5-38.251435-1626.573-74.61645.5-1646.574.8-75.21660-1710123-1382200-2300149.9-150.052310-2390156.52475-156.525252483.5-2500156.7-156.92690-2900162.0125-167.173260-3267167.72-173.23332-3339240-2853345.8-3358

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Restricted Frequency(MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Measurement Distance
0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
0.490~1.705	24000/F(KHz)	20 log (uV/m)	30
1.705~30.0	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

	Frequency(MHz)	Class B (dBuV/m) (at 3M)				
		PEAK	AVERAGE			
	Above 1000	74	54			

Remark :1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. For Frequency 9kHz~30MHz:

Distance extrapolation factor =40log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz:

Distance extrapolation factor =20log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

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#### 7.2.3 Measuring Instruments

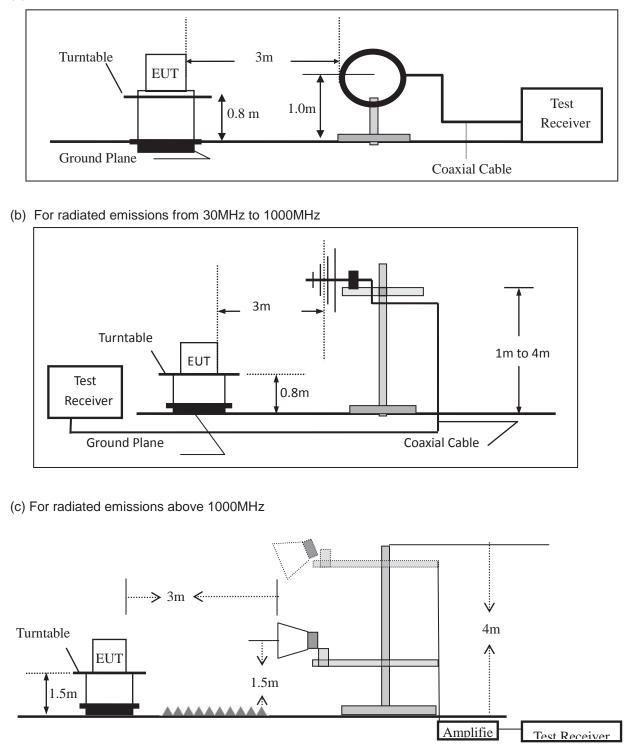
The Measuring equipment is listed in the section 6.3 of this test report.

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#### 7.2.4 Test Configuration

#### (a) For radiated emissions below 30MHz





## 7.2.5 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 1 MHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- g. For the actual test configuration, please refer to the related Item -EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported



During the radiated emission test, the Spectrum Analyzer was set with the following configurations:									
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth						
30 to 1000	30 to 1000 QP		300 kHz						
Ab 200	Peak	1 MHz	1 MHz						
Above 1000	Average	1 MHz	1 MHz						

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10\*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

#### 7.2.6 Test Results

Spurious	Emission	below 30MHz	(9KHz to 30MHz)	)
opanoao				,

EUT:	WIRELESS HEADPHONES	Model No.:	ANC1
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

Freq.	Ant.Pol.	Emission L	.evel(dBuV/m)	Limit 3	m(dBuV/m)	Over(dB)		
(MHz)	H/V	PK AV		PK	AV	PK	AV	

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.





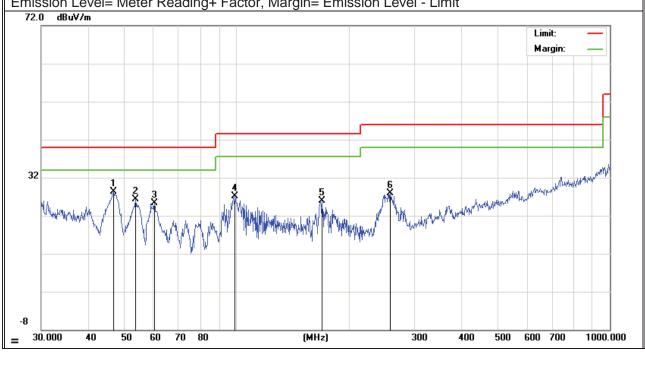
Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the worst result was report as below:

EUT:	WIRELESS HEADPHONES	Model Name :	ANC1
Temperature:	<b>25.4</b> ℃	Relative Humidity:	47%
Pressure:	1010hPa	Test Mode:	1Mbps GFSK CH00
Test Voltage :	DC 3.7V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	46.8303	17.47	10.74	28.21	40.00	-11.79	QP
V	53.6931	53.6931 19.04		26.28	40.00	-13.72	QP
V	60.2800	19.31	5.97	25.28	40.00	-14.72	QP
V	99.1796	16.32	10.86	27.18	43.50	-16.32	QP
V	V 169.5989		10.80	25.96	43.50	-17.54	QP
V	258.3263	13.26	14.60	27.86	46.00	-18.14	QP

#### Remark:

Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit





Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dB) (dBuV/m)		(dB)	
Н	79.8002	11.18	8.05	19.23	40.00	-20.77	QP
Н	99.1796	12.04	10.86	22.90	43.50	-20.60	QP
Н	167.8242	21.21	10.72	31.93	43.50	-11.57	QP
Н	256.5210	15.96	14.20	30.16	46.00	-15.84	QP
Н	351.7078	14.45	16.05	30.50	46.00	-15.50	QP
Н	549.0193	7.03	22.53	29.56	46.00	-16.44	QP
						Margin:	
32	munundation		HUMP OF WARNING A		MM Maun	wyter Manya warana waka ka	Wendlandersetter



<ul> <li>Spurious Emission Above 1GHz (1GHz to 25GHz)</li> </ul>											
WIRELESS				Model	,	ANC1	ANC1				
Temperature					ve Humidity	: 48%					
Test Mode:	Mod	e2/Mode	3/Mode4	Test E	By:	Mary	Hu				
All the modul	ation mode	s have b	een tested		,			V:	]		
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Rema	rk Comment		
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	1			
		•	Low Chan	nel (2402 N	/Hz)(GFSK)-	-Above 1G	•	•	·		
4804.30	63.92	5.21	35.59	44.30	60.42	74.00	-13.58	Pk	Vertical		
4804.30	43.29	5.21	35.59	44.30	39.79	54.00	-14.21	AV	Vertical		
7206.07	62.35	6.48	36.27	44.60	60.50	74.00	-13.50	Pk	Vertical		
7206.07	42.95	6.48	36.27	44.60	41.10	54.00	-12.90	AV	Vertical		
4804.11	62.65	5.21	35.55	44.30	59.11	74.00	-14.89	Pk	Horizontal		
4804.11	43.91	5.21	35.55	44.30	40.37	54.00	-13.63	AV	Horizontal		
7206.30	62.63	6.48	36.27	44.52	60.86	74.00	-13.14	Pk	Horizontal		
7206.30 40.55		6.48	36.27	44.52	38.78	54.00	-15.22	AV	Horizontal		
		1	Mid Chanr	nel (2441 M	(2441 MHz)(GFSK)Above 1G						
4882.05	65.89	5.21	35.66	44.20	62.56	74.00	-11.44	Pk	Vertical		
4882.05	43.30	5.21	35.66	44.20	39.97	54.00	-14.03	AV	Vertical		
7323.12	60.98	7.10	36.50	44.43	60.15	74.00	-13.85	Pk	Vertical		
7323.12	42.73	7.10	36.50	44.43	41.90	54.00	-12.10	AV	Vertical		
4882.22	64.17	5.21	35.66	44.20	60.84	74.00	-13.16	Pk	Horizontal		
4882.22	43.02	5.21	35.66	44.20	39.69	54.00	-14.31	AV	Horizontal		
7324.22	62.05	7.10	36.50	44.43	61.22	74.00	-12.78	Pk	Horizontal		
7324.22	43.90	7.10	36.50	44.43	43.07	54.00	-10.93	AV	Horizontal		
		1	High Chanı	nel (2480 N	/Hz)(GFSK)-	- Above 1G	1	1 1			
4959.15	67.88	5.21	35.52	44.21	64.40	74.00	-9.60	Pk	Vertical		
4959.15	43.63	5.21	35.52	44.21	40.15	54.00	-13.85	AV	Vertical		
7439.69	60.63	7.10	36.53	44.60	59.66	74.00	-14.34	Pk	Vertical		
7439.69	42.95	7.10	36.53	44.60	41.98	54.00	-12.02	AV	Vertical		
4960.79	60.10	5.21	35.52	44.21	56.62	74.00	-17.38	Pk	Horizontal		
4960.79	43.61	5.21	35.52	44.21	40.13	54.00	-13.87	AV	Horizontal		
7440.36	63.86	7.10	36.53	44.60	62.89	74.00	-11.11	Pk	Horizontal		
7440.36	42.60	7.10	36.53	44.60	41.63	54.00	-12.37	AV	Horizontal		

Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor (2)All other emissions more than 20dB below the limit.





Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz										
EUT: WIRELESS HEADPHONES			Mode	l No.:		ANC1				
Temperature: 20 ℃			Relati	Relative Humidity:			48%			
Test Mode:	Mode2/ Mo	ode4		Test E	Bv:		Mary	Hu		
All the modu			peen teste						ow:	
	Meter	Cable	Antenna	Preamp	Emission					
Frequency	Reading	Loss	Factor	Factor	Level	Lir	nits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	ıV/m)	(dB)	Туре	
			1M	ops(GFSK	)- Non-hop	ping				
2310.00	55.32	2.97	27.80	43.80	42.29	7	<b>'</b> 4	-31.71	Pk	Horizontal
2310.00	42.49	2.97	27.80	43.80	29.46	5	54	-24.54	AV	Horizontal
2310.00	50.04	2.97	27.80	43.80	37.01	7	74	-36.99	Pk	Vertical
2310.00	43.29	2.97	27.80	43.80	30.26	5	54	-23.74	AV	Vertical
2390.00	51.66	3.14	27.21	43.80	38.21	7	<b>'</b> 4	-35.79	Pk	Vertical
2390.00	41.81	3.14	27.21	43.80	28.36	5	54	-25.64	AV	Vertical
2390.00	54.01	3.14	27.21	43.80	40.56	7	<b>'</b> 4	-33.44	Pk	Horizontal
2390.00	43.79	3.14	27.21	43.80	30.34	5	54	-23.66	AV	Horizontal
2483.50	52.68	3.58	27.70	44.00	39.96	7	'4	-34.04	Pk	Vertical
2483.50	42.16	3.58	27.70	44.00	29.44	5	54	-24.56	AV	Vertical
2483.50	50.49	3.58	27.70	44.00	37.77	7	<b>'</b> 4	-36.23	Pk	Horizontal
2483.50	42.32	3.58	27.70	44.00	29.60	5	54	-24.40	AV	Horizontal
				1Mbps (GF	lbps (GFSK)- hopping					
2310.00	52.01	2.97	27.80	43.80	38.98	7	<b>'</b> 4	-35.02	Pk	Horizontal
2310.00	41.51	2.97	27.80	43.80	28.48	5	54	-25.52	AV	Horizontal
2310.00	51.29	2.97	27.80	43.80	38.26	7	74	-35.74	Pk	Vertical
2310.00	40.57	2.97	27.80	43.80	27.54	5	54	-26.46	AV	Vertical
2390.00	54.40	3.14	27.21	43.80	40.95	7	<b>'</b> 4	-33.05	Pk	Vertical
2390.00	44.13	3.14	27.21	43.80	30.68	5	54	-23.32	AV	Vertical
2390.00	50.30	3.14	27.21	43.80	36.85	7	<b>'</b> 4	-37.15	Pk	Horizontal
2390.00	43.71	3.14	27.21	43.80	30.26	5	54	-23.74	AV	Horizontal
2483.50	51.82	3.58	27.70	44.00	39.10	7	<b>'</b> 4	-34.90	Pk	Vertical
2483.50	42.25	3.58	27.70	44.00	29.53	5	54	-24.47	AV	Vertical
2483.50	53.36	3.58	27.70	44.00	40.64	7	<b>'</b> 4	-33.36	Pk	Horizontal
2483.50	40.47	3.58	27.70	44.00	27.75	5	54	-26.25	AV	Horizontal

Note: (1) All other emissions more than 20dB below the limit.



	Spurious	Emis	sion in	Restrict	ed Band 3	260MHz-	18000MHz					
E	UT:		WIREL HEAD	LESS PHONE	S	Model	No.:	/	ANC1			
Т	emperature:		<b>20</b> °C			Relativ	e Humidity	: 4	48%			
Т	est Mode:		Mode2	2/ Mode	4	Test B	y:	ſ	Mary H	Hu		
	All the modu	lation	modes	s have b	een testeo	l, and the	worst resu	lt was	s repoi	rt as belo	W:	
	Frequency		ading evel	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Lir	nits	Margin	Detector	Comment
	(MHz)	(dł	3μV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	ıV/m)	(dB)	Туре	
	3260	6	1.69	4.04	29.57	44.70	50.60	7	<b>'</b> 4	-23.40	Pk	Vertical
	3260	45	5.07	4.04	29.57	44.70	33.98	5	54	-20.02	AV	Vertical
	3260	57	7.59	4.04	29.57	44.70	46.50	7	'4	-27.50	Pk	Horizontal
	3260	43	3.77	4.04	29.57	44.70	32.68	5	54	-21.32	AV	Horizontal
	3332	62	2.50	4.26	29.87	44.40	52.23	7	'4	-21.77	Pk	Vertical
	3332	47	7.10	4.26	29.87	44.40	36.83	5	54	-17.17	AV	Vertical
	3332	62	2.47	4.26	29.87	44.40	52.20	7	'4	-21.80	Pk	Horizontal
	3332	44	4.45	4.26	29.87	44.40	34.18	5	54	-19.82	AV	Horizontal
	17797	47	7.36	10.99	43.95	43.50	58.80	7	'4	-15.20	Pk	Vertical
	17797	37	7.73	10.99	43.95	43.50	49.17	5	54	-4.83	AV	Vertical
	17788	53	3.25	11.81	43.69	44.60	64.15	7	'4	-9.85	Pk	Horizontal
	17788	35	5.50	11.81	43.69	44.60	46.40	5	54	-7.60	AV	Horizontal

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Certificate #4298.01

Note: (1) All other emissions more than 20dB below the limit.



#### 7.3 NUMBER OF HOPPING CHANNEL

#### 7.3.1 Applicable Standard

According to FCC Part 15.247(a)(1) (iii)and ANSI C63.10-2013

#### 7.3.2 Conformance Limit

Frequency hopping systems in the 2400-2483.5MHz band shall use at least 15 channels.

#### 7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.3.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.3

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

Span = the frequency band of operation

RBW : To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.

VBW ≥ RBW

Sweep = auto

Detector function = peak Trace = max hold

#### 7.3.6 Test Results

	WIRELESS HEADPHONES	Model No.:	ANC1
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Mary Hu

Test data reference attachment.

Note: All modes are predicted, and only the worst mode is recorded in the report.



#### 7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

#### 7.4.1 Applicable Standard

According to FCC Part 15.247(a)(1) and ANSI C63.10-2013

#### 7.4.2 Conformance Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5MHz band shall have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

#### 7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = Measurement Bandwidth or Channel Separation

RBW: Start with the RBW set to approximately 3% of the channel spacing; adjust as necessary to best identify the center of each individual channel.

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

#### 7.4.6 Test Results

	WIRELESS HEADPHONES	Model No.:	ANC1
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



#### 7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

#### 7.5.1 Applicable Standard

According to FCC Part 15.247(a)(1)(iii) and ANSI C63.10-2013

#### 7.5.2 Conformance Limit

The average time of occupancy on any channel shall not be greater than 0.4s within a period of 0.4s multiplied by the number of hopping channels employed.

#### 7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.5.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.4 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT must have its hopping function enabled. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel RBW  $\geq$  1MHz VBW  $\geq$  RBW Sweep = as necessary to capture the entire dwell time per hopping channel Detector function = peak Trace = max hold Measure the maximum time duration of one single pulse. Set the EUT for DH5, DH3 and DH1 packet transmitting. Measure the maximum time duration of one single pulse.



#### 7.5.6 Test Results

EUT:	WIRELESS HEADPHONES	Model No.:	ANC1
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

Test data reference attachment.

Note:

A Period Time = (channel number)\*0.4 DH1 Dwell time: Reading \* (1600/2)\*31.6/(channel number) DH3 Dwell time: Reading \* (1600/4)\*31.6/(channel number) DH5 Dwell time: Reading \* (1600/6)\*31.6/(channel number)

For Example:

- 1. In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels. With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit  $(0.4 \times 79)$  (s), Hops Over Occupancy Time comes to  $(1600 / 6 / 79) \times (0.4 \times 79) = 106.67$  hops.
- 2. In AFH mode, hopping rate is 800 hops/s with 6 slots in 20 hopping channels. With channel hopping rate (800 / 6 / 20) in Occupancy Time Limit  $(0.4 \times 20)$  (s), Hops Over Occupancy Time comes to  $(800 / 6 / 20) \times (0.4 \times 20) = 53.33$  hops.
- 3. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time



#### 7.6 20DB BANDWIDTH TEST

#### 7.6.1 Applicable Standard

According to FCC Part 15.247(a)(1) and ANSI C63.10-2013

#### 7.6.2 Conformance Limit

No limit requirement.

#### 7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.6.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 6.9.2 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel RBW  $\geq$  1% of the 20 dB bandwidth VBW  $\geq$  RBW Sweep = auto Detector function = peak Trace = max hold

#### 7.6.6 Test Results

EUT:	WIRELESS HEADPHONES	Model No.:	ANC1
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



#### 7.7 PEAK OUTPUT POWER

#### 7.7.1 Applicable Standard

According to FCC Part 15.247(b)(1) and ANSI C63.10-2013

#### 7.7.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator shall not exceed the following: (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.

#### 7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.7.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.5.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW  $\geq$  the 20 dB bandwidth of the emission being measured

 $VBW \ge RBW$ 

Sweep = auto

Detector function = peak

Trace = max hold

#### 7.7.6 Test Results

EUT:	WIRELESS HEADPHONES	Model No.:	ANC1
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



#### 7.8 CONDUCTED BAND EDGE MEASUREMENT

#### 7.8.1 Applicable Standard

According to FCC Part 15.247(d) and ANSI C63.10-2013

#### 7.8.2 Conformance Limit

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 §15.205(c)).

#### 7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.8.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.6.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW = 100KHz

VBW = 300KHz

Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.

Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.

#### 7.8.6 Test Results

EUT:	WIRELESS HEADPHONES	Model No.:	ANC1
Temperature:	<b>20</b> °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	Mary Hu



#### 7.9 SPURIOUS RF CONDUCTED EMISSION

#### 7.9.1 Applicable Standard

According to FCC Part 15.247(d) and ANSI C63.10-2013.

#### 7.9.2 Conformance Limit

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)).

#### 7.9.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

#### 7.9.4 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.9.5 Test Procedure

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW  $\geq$  [3 × RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.

h) Use the peak marker function to determine the maximum amplitude level. Then the limit shall be attenuated by at least 20 dB relative to the maximum amplitude level in 100 kHz.

#### 7.9.6 Test Results

Remark: The measurement frequency range is from 30MHzHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.



#### 7.10 ANTENNA APPLICATION

#### 7.10.1 Antenna Requirement

15.203 requirement: For intentional device, according to 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.

ACCRED

Certificate #4298.01

#### 7.10.2 Result

The EUT antenna is permanent attached PCB antenna (Gain: 0dBi). It comply with the standard requirement.

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#### 7.11 FREQUENCY HOPPING SYSTEM (FHSS) EQUIPMENT REQUIREMENTS 7.11.1 Standard Applicable

According to FCC Part 15.247(a)(1), The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals. (g) Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section. (h) The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

Certificate #4298.01

#### 7.11.2 Frequency Hopping System

This transmitter device is frequency hopping device, and complies with FCC part 15.247 rule. This device uses Bluetooth radio which operates in 2400-2483.5 MHz band. Bluetooth uses a radio technology called frequency-hopping spread spectrum, which chops up the data being sent and transmits chunks of it on up to 79 bands (1 MHz each; centred from 2402 to 2480 MHz) in the range 2,400-2,483.5 MHz. The transmitter switches hop frequencies 1,600 times per second to assure a high degree of data security. All Bluetooth devices participating in a given piconet are synchronized to the frequency-hopping channel for the piconet. The frequency hopping sequence is determined by the master's device address and the phase of the hopping sequence (the frequency to hop at a specific time) is determined by the master's internal clock. Therefore, all slaves in a piconet must know the master's device address and must synchronize their clocks with the master's clock. Adaptive Frequency Hopping (AFH) was introduced in the Bluetooth specification to provide an effective way for a Bluetooth radio to counteract normal interference. AFH identifies "bad" channels, where either other wireless devices are interfering with the Bluetooth signal or the Bluetooth signal is interfering with another device. The AFH-enabled Bluetooth device will then communicate with other devices within its piconet to share details of any identified bad channels. The devices will then switch to alternative available "good" channels, away from the areas of interference, thus having no impact on the bandwidth used.

This device was tested with an bluetooth system receiver to check that the device maintained hopping synchronization, and the device complied with these requirements for FCC Part 15.247 rule.

#### 7.11.3 EUT Pseudorandom Frequency Hopping Sequence

Pseudorandom Frequency Hopping Sequence Table as below: Channel: 08, 24, 40, 56, 40, 56, 72, 09, 01, 09, 33, 41, 33, 41, 65, 73, 53, 69, 06, 22, 04, 20, 36, 52, 38, 46, 70, 78, 68, 76, 21, 29, 10, 26, 42, 58, 44, 60, 76, 13, 03, 11, 35, 43, 37, 45, 69, 77, 55, 71, 08, 24, 08, 24, 40, 56, 40, 48, 72, 01, 72, 01, 25, 33, 12, 28, 44, 60, 42, 58, 74, 11, 05, 13, 37, 45 etc.

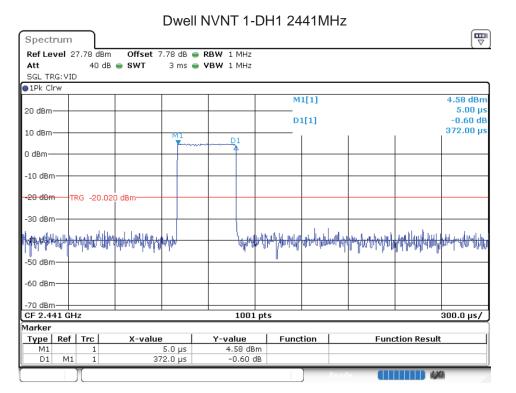
The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.



## 8 TEST RESULTS

#### 8.1 **DWELL TIME**

O.I DILLL							
Conditio	n Mode	Frequency	Pulse	Total Dwell	Period	Limit	Verdict
		(MHz)	Time (ms)	Time (ms)	Time (ms)	(ms)	
NVNT	1-DH1	2441	0.372	119.04	31600	400	Pass
NVNT	1-DH3	2441	1.625	260	31600	400	Pass
NVNT	1-DH5	2441	2.872	306.347	31600	400	Pass
NVNT	2-DH1	2441	0.381	121.92	31600	400	Pass
NVNT	2-DH3	2441	1.62	259.2	31600	400	Pass
NVNT	2-DH5	2441	2.88	307.2	31600	400	Pass
NVNT	3-DH1	2441	0.384	122.88	31600	400	Pass
NVNT	3-DH3	2441	1.625	260	31600	400	Pass
NVNT	3-DH5	2441	2.872	306.347	31600	400	Pass





SGL TRG: VID	B 🖶 SWT	5 ms 👄	VBW 1 MHz						
●1Pk Clrw					M1[1]			4.86 dBm	
20 dBm					D1[1]			10.00 μs -0.68 dB	
10 dBm	MI			D1	- 1	1	1	1.62500 ms	
0 dBm				<b></b>					
-10 dBm									
- <del>-20 dBm -</del> TRG -20.0	20 dBm								
-30 dBm									
	h¢			L.A.A	wie wiel, wash, sheet	entrum and	<b>ս</b> իրեր արդեր	ann an the state	
00. K . 1 1	·			. Inda i	a sedera filmen affanen	i of a Lal Asadhon .	di . oli male .		
-50 dBm									
-60 dBm									
-70 dBm CF 2.441 GHz			100	1 pts				500.0 μs/	
Marker	V!	1			notion	<b>P</b>	tion Deer		
Type         Ref         Trc           M1         1           D1         M1         1		0.0 µs i25 ms	<u>Y-value</u> 4.86 dE -0.68	Bm	nction	Fund	ction Resul	L	
				ab					
Spectrum Ref Level 27.78 dBn Att 40 d8		Dwell	NVNT 1- RBW 1 MHz VBW 1 MHz	-DH5 2	2441MF	rady 🚺			
Spectrum Ref Level 27.78 dBn	n Offset 7.	Dwell	NVNT 1. RBW 1 MHz	-DH5 2	 2441MH	radv <b>∏</b> Iz		(U)	
Spectrum Ref Level 27.78 dBn Att 40 df SGL TRG: VID 1Pk Clrw	n Offset 7.	Dwell	NVNT 1. RBW 1 MHz	-DH5 2	2441MH	radv		-2.36 dBm	
Spectrum Ref Level 27.78 dBn Att 40 dt SGL TRG: VID • 1Pk Clrw 20 dBm	n Offset 7.	Dwell	NVNT 1. RBW 1 MHz	-DH5 2		tadv		-2.36 dBm 8.00 μs 0.73 dB	
Spectrum Ref Level 27.78 dBn Att 40 di SGL TRG: VID 1Pk Cirw 20 dBm 10 dBm	n Offset 7.	Dwell	NVNT 1. RBW 1 MHz	-DH5 2	M1[1]	iz		-2.36 dBm 8.00 µs	
Spectrum           Ref Level 27.78 dBn           Att         40 dE           SGL TRG: VID           ● 1Pk Clrw           20 dBm           10 dBm           0 dBm	n Offset 7.	Dwell	NVNT 1. RBW 1 MHz	-DH5 2	M1[1]	łz		-2.36 dBm 8.00 μs 0.73 dB	
Spectrum           Ref Level 27.78 dBn           Att         40 ds           SGL TRG:VID           • 1Pk Clrw           20 dBm           10 dBm           -10 dBm	Offset 7.	Dwell	NVNT 1. RBW 1 MHz	-DH5 2	M1[1]	łz		-2.36 dBm 8.00 μs 0.73 dB	
Spectrum           Ref Level 27.78 dBn           Att         40 dE           SGL TRG: VID           ● 1Pk Clrw           20 dBm           10 dBm           0 dBm	Offset 7.	Dwell	NVNT 1. RBW 1 MHz	-DH5 2	M1[1]	łz		-2.36 dBm 8.00 μs 0.73 dB	
Spectrum           Ref Level 27.78 dBn           Att         40 dE           SGL TRG: VID           ● 1Pk CIrw           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm	Offset 7.	Dwell	NVNT 1- RBW 1 MHz VBW 1 MHz	-DH5 :	M1[1] D1[1]			-2.36 dBm 8.00 µs 0.73 dB 2.87200 ms	
Spectrum           Ref Level 27.78 dBn           Att         40 dE           SGL TRG: VID           ● 1Pk CIrw           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm	Offset 7.	Dwell	NVNT 1- RBW 1 MHz VBW 1 MHz	-DH5 :	M1[1] D1[1]			-2.36 dBm 8.00 µs 0.73 dB 2.87200 ms	
Spectrum           Ref Level 27.78 dBn           Att         40 dE           SGL TRG: VID           ● 1Pk CIrw           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm	Offset 7.	Dwell	NVNT 1- RBW 1 MHz VBW 1 MHz	-DH5 :	M1[1] D1[1]			-2.36 dBm 8.00 µs 0.73 dB 2.87200 ms	
Spectrum           Ref Level 27.78 dBn           Att         40 dE           SGL TRG: VID           ● 1Pk CIrw           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm	Offset 7.	Dwell	NVNT 1- RBW 1 MHz VBW 1 MHz	-DH5 :	M1[1] D1[1]			-2.36 dBm 8.00 µs 0.73 dB 2.87200 ms	
Spectrum           Ref Level 27.78 dBn           Att         40 dB           SGL TRG: VID           ● 1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -20 dBm           -50 dBm           -60 dBm	Offset 7.	Dwell	NVNT 1-		M1[1] D1[1]			-2.36 dBm 8.00 μs 0.73 dB 2.87200 ms	
Spectrum           Ref Level 27.78 dBn           Att         40 dE           SGL TRG: VID           ● 1Pk CIrw           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm	Offset 7.	Dwell	NVNT 1-	-DH5 :	M1[1] D1[1]			-2.36 dBm 8.00 µs 0.73 dB 2.87200 ms	
Spectrum           Ref Level 27.78 dBn           Att         40 d8           SGL TRG:VID           ● 1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           CF 2.441 GHz           Marker           Type           Ref Trc	Offset 7.     SWT	Dwell	NVNT 1-	-DH5 :	M1[1] D1[1]	այսունդել է երեւ է եղել է ե եղել է եղել է ե		-2.36 dBm 8.00 µs 0.73 dB 2.87200 ms	
Spectrum           Ref Level 27.78 dBn           Att         40 dB           SGL TRG: VID           IPk Cirw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           GF 2.441 GHz	20 dBm	Dwell	NVNT 1-	-DH5 2	M1[1] D1[1]	այսունդել է երեւ է եղել է ե եղել է եղել է ե	postablerget wa	-2.36 dBm 8.00 µs 0.73 dB 2.87200 ms	



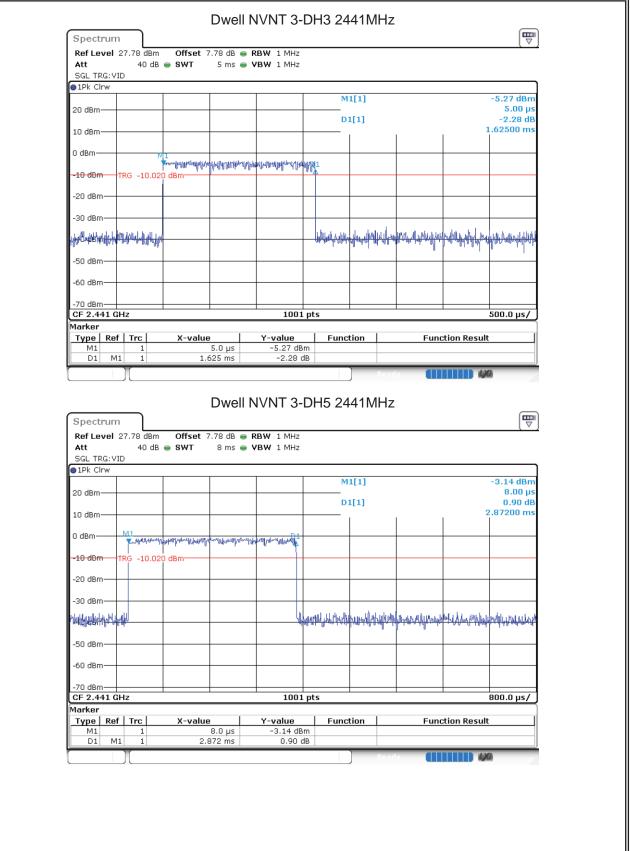
Ref Leve	l 27.78 de	m Offset	: 7.78 dB 👄	RBW 1 MHz					<u> </u>
Att		ib 😑 SWT	3 ms 😑	VBW 1 MHz					
SGL TRG: 1Pk Clrw									
UPK CIW					м	1[1]			3.75 dBm
20 dBm—				_					5.00 µs
					D	1[1]			-4.07 dB
10 dBm—			M1			1	1		381.00 µs
0 -10			The second se	manu B1					
0 dBm				~ ^					
-10 dBm—									
-20 dBm	TRG -20.	020 dBm							
-30 dBm—									
-30 UBIII-									
hilf-dilaterning;				- Univ	where where	anthe protocol	WHALLAN W	AN ALL HALL	WWW.
An A.L. M.	ու որ ուստ	- 1 0 m m 4 [44]	ייךא	A16.0	k a. otdatk, j	l a line adh ab	10 Bol	AR wat Ik Anda, A	A an air air
-50 dBm—									
-60 dBm—									
-oo uBm—									
-70 dBm—									
CF 2.441	GHz			1001	pts	·	·	·	300.0 µs/
Marker									
Type R		X-val		Y-value	Func	tion	Fund	ction Result	:
M1 D1	1 M1 1		5.0 µs 381.0 µs	3.75 dBr -4.07 d					
						1			74
						Read			
Spectru				NVNT 2-I	DH3 24	41MHz			
-	el 27.78 de	m Offset dB e SWT	: 7.78 dB 🖷	NVNT 2-I	DH3 24	441MHz	:		
Ref Leve Att SGL TRG:	1 27.78 de 40		: 7.78 dB 🖷	RBW 1 MHz	DH3 24	41MHz	<u>.</u>		
Ref Leve Att	1 27.78 de 40		: 7.78 dB 🖷	RBW 1 MHz			<u>.</u>		
Ref Leve Att SGL TRG: 1Pk Clrw	1 27.78 de 40		: 7.78 dB 🖷	RBW 1 MHz		141MHz	<u>.</u>		-5.28 dBm
Ref Leve Att SGL TRG:	1 27.78 de 40		: 7.78 dB 🖷	RBW 1 MHz	M	1[1]	<u>.</u>		-5.28 dBm 5.00 μs
Ref Leve Att SGL TRG: 1Pk Clrw	1 27.78 de 40		: 7.78 dB 🖷	RBW 1 MHz	M		: 		-5.28 dBm
Ref Leve Att SGL TRG: 1Pk Clrw 20 dBm-	1 27.78 de 40		: 7.78 dB 🖷	RBW 1 MHz	M	1[1]	: 		-5.28 dBm 5.00 μs 0.62 dB
Ref Leve Att SGL TRG: 1Pk Clrw 20 dBm-	1 27.78 de 40	dB <b>e SWT</b>	: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz	M	1[1]	<u>.</u>		-5.28 dBm 5.00 μs 0.62 dB
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm	1 27.78 de 40	dB <b>e SWT</b>	: 7.78 dB 🖷	RBW 1 MHz     VBW 1 MHz	M	1[1]			-5.28 dBm 5.00 μs 0.62 dB
Ref Leve Att SGL TRG: 1Pk Clrw 20 dBm- 10 dBm-	1 27.78 de 40	dB <b>e SWT</b>	: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz	M	1[1]	<u>.</u>		-5.28 dBm 5.00 μs 0.62 dB
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm	VID	dB <b>e SWT</b>	: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz	M	1[1]			-5.28 dBm 5.00 μs 0.62 dB
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm	VID		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz	M	1[1]			-5.28 dBm 5.00 μs 0.62 dB
Pref Level           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm	VID		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	1 27.78 dd 40 / VID		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm	1 27.78 dd 40 / VID		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	1 27.78 dd 40 / VID		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Level           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm	1 27.78 dd 40 / VID		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	1 27.78 40 40 40 40 40 40 40 40 40 40 40 40 40		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -30 dBm           -30 dBm           -50 dBm           -60 dBm	1 27.78 40 40 40 40 40 40 40 40 40 40 40 40 40		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Level           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm	1 27.78 40 40 40 40 40 40 40 40 40 40 40 40 40		: 7.78 dB • 5 ms •	RBW 1 MHz     VBW 1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           1Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm	1 27.78 40 40 40 40 40 40 40 40 40 40 40 40 40		: 7.78 dB • 5 ms •	RBW         1 MHz           VBW         1 MHz		1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           • IPk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -30 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           Marker           Type	I 27.78 40 40 VID		2 7.78 dB 5 ms	RBW 1 MHz     VBW 1 MHz	pts	1[1] 1[1]			-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           91Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -30 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           Type           Marker	I 27.78 40 40 VID		: 7.78 dB 5 ms 	RBW         1 MHz           VBW         1 MHz	pts	1[1] 1[1]		լիարվերիրգել	-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms
Ref Leve           Att           SGL TRG:           91Pk Clrw           20 dBm           10 dBm           0 dBm           -10 dBm           -30 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           Type           Marker	I 27.78 40 40 VID		2 7.78 dB 5 ms	RBW 1 MHz     VBW 1 MHz	pts	1[1] 1[1]		լիարվերիրգել	-5.28 dBm 5.00 µs 0.62 dB 1.62000 ms



Att 40 dB  SGL TRG: VID	SWT 8 ms 👄 V							
1Pk Clrw			M1	[1]			5.51 dBm	
20 dBm			D1				8.00 µs -0.90 dB	
10 dBm M1		D1			1		2.88000 ms	
0 dBm								
-10 dBm								
-20 dBm TRG -20.020 dBr	n							
-30 dBm			اهله بروهما	مت المتحمد	alle, na steart	مانية المرا	, Ladist undu	
Haldred Branch Mille			UNNEARAN	<del>adhrollachd</del>	Marthantria volled	<del>Mrhhlundi dit</del>	Lpglag Pulliplas during blip	
-50 dBm							+	
-60 dBm							<b>  </b>	
-70 dBm								
CF 2.441 GHz	·	1001 p	ots				800.0 µs/	
Marker Type   Ref   Trc     >	K-value	Y-value	Functi	ion	Fund	tion Resul	t	
M1 1 D1 M1 1	8.0 µs	5.51 dBm						
Spectrum	2.88 ms Dwell N	-0.90 dB		41MHz	× (11			
Spectrum	Dwell N	NVNT 3-D		Pood 41MHz	~ (1)			
Spectrum Ref Level 27.78 dBm C Att 40 dB S SGL TRG:VID	Dwell N	IVNT 3-E	DH1 244		· (1)			
Spectrum Ref Level 27.78 dBm C Att 40 dB S SGL TRG: VID	Dwell N	IVNT 3-E	DH1 244	[1]	v (II		3.77 dBm 2.00 µs	
Spectrum Ref Level 27.78 dBm C Att 40 dB S	Dwell N	IVNT 3-E	DH1 244	[1]	× ())		3.77 dBm	
Spectrum           Ref Level 27.78 dBm           Att           40 dB           SGL TRG:VID           IPk Clrw           20 dBm           10 dBm	Dwell N Diffset 7.78 dB • F WT 3 ms • V	IVNT 3-E	DH1 244	[1]	× <b>(1)</b>		3.77 dBm 2.00 μs -2.72 dB	
Spectrum           Ref Level 27.78 dBm           Att           40 dB           SGL TRG:VID           IPk Clrw           20 dBm           10 dBm	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	NVNT 3-E	DH1 244	[1]			3.77 dBm 2.00 μs -2.72 dB	
Spectrum           Ref Level 27.78 dBm         C           Att         40 dB         S           SGL TRG: VID         IPk Clrw           20 dBm         10 dBm           0 dBm         0 dBm	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	NVNT 3-E	DH1 244	[1]	× (1)		3.77 dBm 2.00 μs -2.72 dB	
Spectrum Ref Level 27.78 dBm C Att 40 dB S SGL TRG:VID IPk Clrw 20 dBm 10 dBm -10 dBm TRG -10.020 dBr -20 dBm	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	NVNT 3-E	DH1 244	[1]			3.77 dBm 2.00 μs -2.72 dB	
Spectrum           Ref Level 27.78 dBm         C           Att         40 dB         S           SGL TRG: VID         IPk Clrw           20 dBm         10 dBm           10 dBm         70 dBm           -10 dBm         TRG           -20 dBm         -30 dBm	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	NVNT 3-E	DH1 244	[1]			3.77 dBm 2.00 μs -2.72 dB	
Spectrum           Ref Level 27.78 dBm         C           Att         40 dB         S           SGL TRG: VID         IPk Clrw           20 dBm         10 dBm           10 dBm         70 dBm           -10 dBm         TRG           -20 dBm         -30 dBm	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	NVNT 3-E	DH1 244	[1]		11041400400	3.77 dBm 2.00 μs -2.72 dB	
Spectrum           Ref Level         27.78 dBm         C           Att         40 dB         S           SGL TRG: VID         IPk Clrw           20 dBm         10 dBm           10 dBm         0 dBm           -10 dBm         TRG           -20 dBm         -10.020 dBr           -30 dBm         -30 dBm	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	NVNT 3-E	DH1 244	[1]		III ally shill	3.77 dBm 2.00 μs -2.72 dB	
Spectrum           Ref Level 27.78 dBm           SGL TRG:VID           IPk Clrw           20 dBm           10 dBm           0 dBm           -20 dBm           -30 dBm           -50 dBm	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	NVNT 3-E	DH1 244	[1]		Inaly, shill	3.77 dBm 2.00 μs -2.72 dB	
Spectrum           Ref Level 27.78 dBm         C           Att         40 dB         S           SGL TRG: VID         IPk Clrw           20 dBm         IPk           10 dBm         IPk           20 dBm         IPk           -10 dBm         TRG           -20 dBm         IPk           -30 dBm         IPk           -50 dBm         IPk           -60 dBm         IPk           -70 dBm         IPk           -70 dBm         IPk           -70 dBm         IPk	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	NVNT 3-E	M1 244	[1]			3.77 dBm 2.00 μs -2.72 dB	
Spectrum           Ref Level         27.78 dBm         C           Att         40 dB         S           SGL TRG: VID         IPk Clrw         C           1Pk Clrw         C         C           20 dBm         C         C           10 dBm         C         C         C           -10 dBm         TRG         -10.020 dBr         C           -20 dBm         -30 dBm         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C         C	Dwell N Diffset 7.78 dB • F WT 3 ms • V M1	SUNT 3-E	M1 D1		Prosta	tion Result	3.77 dBm 2.00 µs -2.72 dB 384.00 µs	

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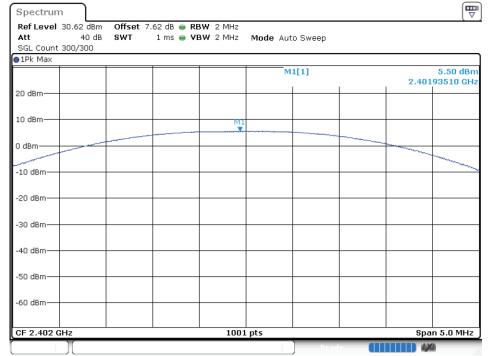
## 8.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant 1	5.50	30	Pass
NVNT	1-DH5	2441	Ant 1	6.26	30	Pass
NVNT	1-DH5	2480	Ant 1	4.96	30	Pass
NVNT	2-DH5	2402	Ant 1	5.43	20.97	Pass
NVNT	2-DH5	2441	Ant 1	6.21	20.97	Pass
NVNT	2-DH5	2480	Ant 1	4.92	20.97	Pass
NVNT	3-DH5	2402	Ant 1	5.49	20.97	Pass
NVNT	3-DH5	2441	Ant 1	6.24	20.97	Pass
NVNT	3-DH5	2480	Ant 1	4.91	20.97	Pass

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Certificate #4298.01

### Power NVNT 1-DH5 2402MHz Ant1







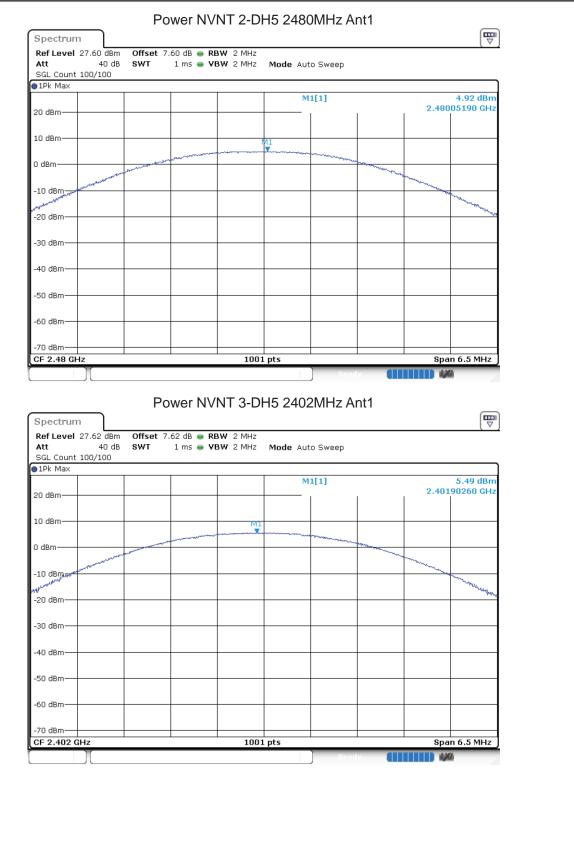
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Certificate #4298.01

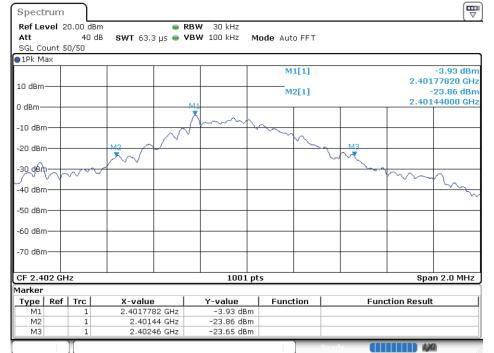
Version.1.3



## 8.3 OCCUPIED CHANNEL BANDWIDTH

 COLIED OTIAL						
Condition	Mode	Frequency	Antenna	-20 dB	Limit -20 dB	Verdict
		(MHz)		Bandwidth	Bandwidth	
				(MHz)	(MHz)	
NVNT	1-DH5	2402	Ant 1	1.02	0	Pass
NVNT	1-DH5	2441	Ant 1	0.938	0	Pass
NVNT	1-DH5	2480	Ant 1	0.978	0	Pass
NVNT	2-DH5	2402	Ant 1	1.332	0	Pass
NVNT	2-DH5	2441	Ant 1	1.272	0	Pass
NVNT	2-DH5	2480	Ant 1	1.326	0	Pass
NVNT	3-DH5	2402	Ant 1	1.268	0	Pass
NVNT	3-DH5	2441	Ant 1	1.248	0	Pass
NVNT	3-DH5	2480	Ant 1	1.268	0	Pass

#### -20 dB BW NVNT 1-DH5 2402MHz Ant1





















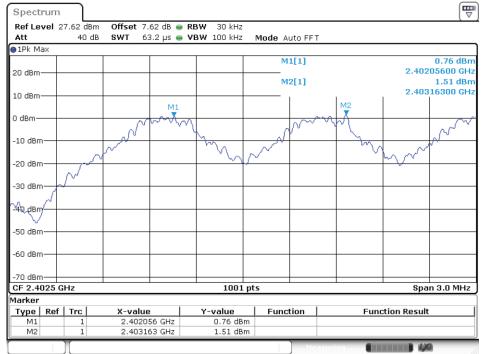
## 8.4 CARRIER FREQUENCIES SEPARATION

Condition	Mode	Hopping Freq1	Hopping Freq2	HFS	Limit	Verdict
		(MHz)	(MHz)	(MHz)	(MHz)	
NVNT	1-DH5	2402.056	2403.163	1.107	1.02	Pass
NVNT	1-DH5	2441.056	2442.058	1.002	0.938	Pass
NVNT	1-DH5	2479.056	2480.058	1.002	0.978	Pass
NVNT	2-DH5	2401.834	2403.163	1.329	0.888	Pass
NVNT	2-DH5	2441.011	2442.163	1.152	0.848	Pass
NVNT	2-DH5	2479.014	2480.013	0.999	0.884	Pass
NVNT	3-DH5	2401.834	2403.022	1.188	0.845	Pass
NVNT	3-DH5	2441.08	2442.163	1.083	0.832	Pass
NVNT	3-DH5	2479.161	2480.163	1.002	0.845	Pass

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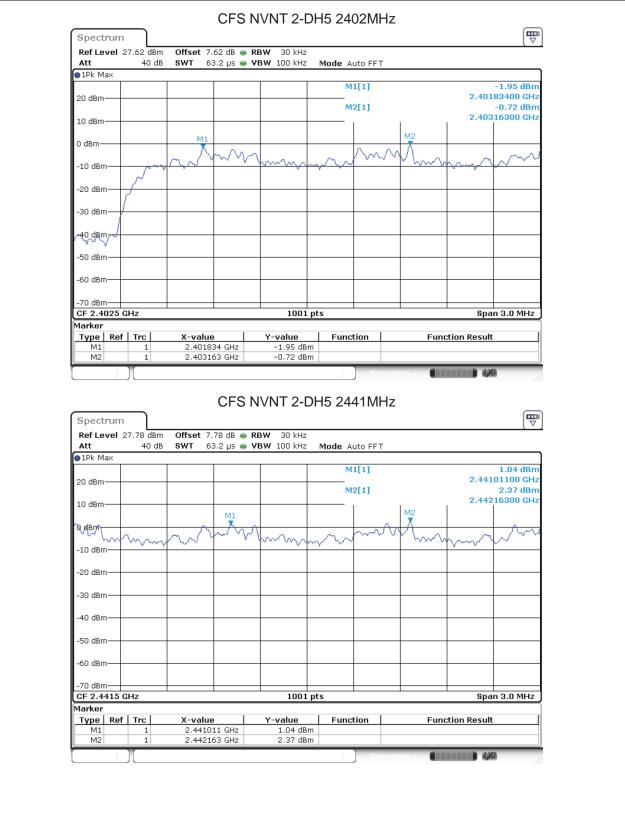
#### CFS NVNT 1-DH5 2402MHz



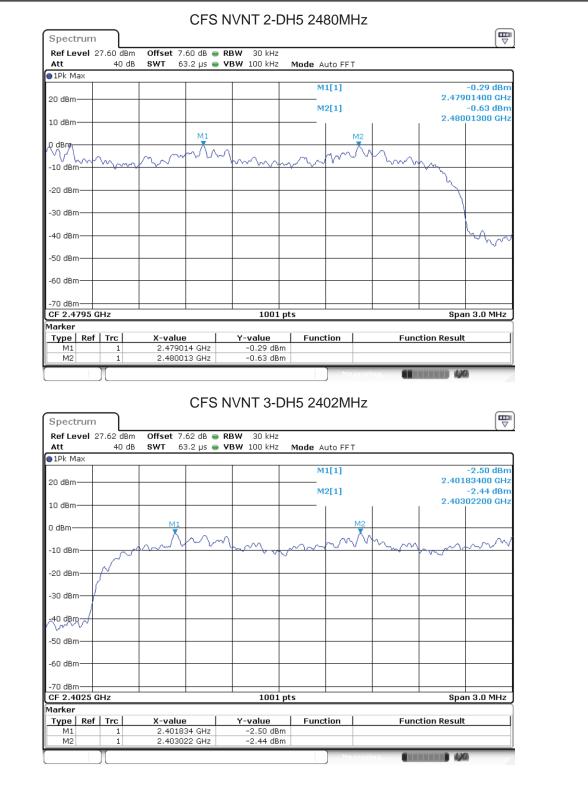


















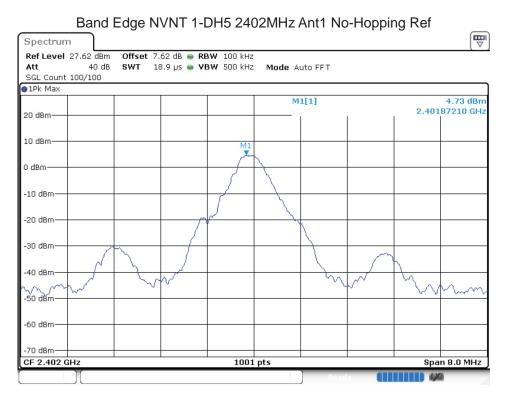
#### 8.5 NUMBER OF HOPPING CHANNEL Condition Mode Hopping Number Limit Verdict **NVNT** 1-DH5 Pass 79 15 Hopping No. NVNT 1-DH5 2402MHz Spectrum Offset 7.62 dB 🖷 RBW 100 kHz Ref Level 27.62 dBm 40 dB 1 ms 🖷 VBW 300 kHz Att SWT Mode Auto Sweep SGL Count 7000/7000 ●1Pk Max M1[1] 3.16 dBm 2.4020040 GHz 20 dBm M2[1] 4.24 dBm 2.4800765 GHz 10 dBm ٨ħ 806086888 0080600 o 🖣 🗛 🗛 20 dBm 80 dBm 40 dBm -50 dBm -60 dBm -70 dBm Start 2.4 GHz 1001 pts Stop 2.4835 GHz Marker Type Ref Trc Function **Function Result** 2.402004 GHz Y-value 3.16 dBm M1 1 1 M2 2.4800765 GHz 4.24 dBm -----

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# 8.6 BAND EDGE

0.0 DAND LD	GL						
Condition	Mode	Frequency	Antenna	Hopping	Max Value	Limit	Verdict
		(MHz)		Mode	(dBc)	(dBc)	
NVNT	1-DH5	2402	Ant 1	No-Hopping	-44.18	-20	Pass
NVNT	1-DH5	2402	Ant 1	Hopping	-44.61	-20	Pass
NVNT	1-DH5	2480	Ant 1	No-Hopping	-47.12	-20	Pass
NVNT	1-DH5	2480	Ant 1	Hopping	-47.36	-20	Pass
NVNT	2-DH5	2402	Ant 1	No-Hopping	-41.05	-20	Pass
NVNT	2-DH5	2402	Ant 1	Hopping	-42.22	-20	Pass
NVNT	2-DH5	2480	Ant 1	No-Hopping	-45.95	-20	Pass
NVNT	2-DH5	2480	Ant 1	Hopping	-46.27	-20	Pass
NVNT	3-DH5	2402	Ant 1	No-Hopping	-43.25	-20	Pass
NVNT	3-DH5	2402	Ant 1	Hopping	-42.72	-20	Pass
NVNT	3-DH5	2480	Ant 1	No-Hopping	-45.26	-20	Pass
NVNT	3-DH5	2480	Ant 1	Hopping	-46.88	-20	Pass





Ref Level         27.62 dBr           Att         40 d			de Auto FFT		
SGL Count 100/100					
●1Pk Max			541[1]		4.6E dDm
20 dBm			M1[1]	2.402	4.65 dBm 205000 GHz
10 dBm			M2[1]		-37.60 dBm 00000 <b>M</b> @Hz
				2.400	
0 dBm					
-10 dBm					
-20 dBm	1 dBm				
-30 dBm					
40xdB	M4				M A
-40 dBm	work by her who will be had the and	Mandowe we w	My Labry My popul	www.www.whetherway	while he
-50 dBm			000 000 B.O.		
-60 dBm		+			
-70 dBm					
Start 2.306 GHz	· ·	1001 pts	· · ·	Stop	2.406 GHz
Marker Type   Ref   Trc	X-value	Y-value F	unction	Function Resul	- IÌ
M1 1	2.40205 GHz	4.65 dBm	unction	Function Resul	L
M2 1 M3 1	2.4 GHz 2.39 GHz	-37.60 dBm -46.99 dBm			
M4 1	2.339 GHz	-39.45 dBm			
M4 1 Band Ec	2.3397 GHz	-39.45 dBm	Peade 2402MHz Ar	nt1 Hopping R	ef
M4 1 Band Ec Spectrum Ref Level 27.62 dBr Att 40 d	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	2402MHz Ai	nt1 Hopping R	
M4         1           Band Ed           Spectrum           Ref Level 27.62 dBr           Att         40 d           SGL Count 8000/800	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm		nt1 Hopping R	
M4 1 Band Ec Spectrum Ref Level 27.62 dBr Att 40 d SGL Count 8000/800 • 1Pk Max	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm			
M4         1           Band Ed           Spectrum           Ref Level 27.62 dBr           Att         40 d           SGL Count 8000/800	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT		
M4 1 Band Ec Spectrum Ref Level 27.62 dBr Att 40 d SGL Count 8000/800 • 1Pk Max 20 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT		
M4 1 Band Ec Spectrum Ref Level 27.62 dBr Att 40 d SGL Count 8000/800 • 1Pk Max	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT		
M4 1 Band Ec Spectrum Ref Level 27.62 dBr Att 40 d SGL Count 8000/800 • 1Pk Max 20 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4 1 Band Ec Spectrum Ref Level 27.62 dBr Att 40 d SGL Count 8000/800 • 1Pk Max 20 dBm 10 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4         1           Band Ec           Spectrum           Ref Level 27.62 dBr           Att         40 d           SGL Count 8000/800           1Pk Max           20 dBm           10 dBm           0 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4         1           Band Ec           Spectrum           Ref Level 27.62 dBr           Att         40 d           SGL Count 8000/800           • 1Pk Max           20 dBm           10 dBm           -10 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4         1           Band Ec           Spectrum           Ref Level 27.62 dBr           Att         40 d           SGL Count 8000/800           ID dBm           10 dBm           -10 dBm           -20 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4         1           Band Ec           Spectrum           Ref Level         27.62 dBr           SGL Count         8000/800           O dBm         20 dBm           10 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4         1           Band Ec           Spectrum           Ref Level         27.62 dBr           SGL Count         8000/800           O dBm         20 dBm           10 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4         1           Ref Level 27.62 dBr           Att         40 d           SGL Count 8000/800           •1Pk Max           20 dBm           10 dBm           -10 dBm           -30 dBm           -40 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4         1           Band Ec           Spectrum           Ref Level 27.62 dBr           SGL Count 8000/800           ID dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	
M4         1           Ref Level 27.62 dBr           Att         40 d           SGL Count 8000/800           •1Pk Max           20 dBm           10 dBm           -10 dBm           -30 dBm           -40 dBm	2.3397 GHz dge(Hopping) N n offset 7.62 dB • F B swr 18.9 µs • V	-39.45 dBm	le Auto FFT	2.404	



Ref Level Att	27.62 dBm 40 dB		7.62 dB ● 27.5 µs ●	<b>VBW</b> 300 kH		Auto FFT			
SGL Count	1200/1200								
20 dBm					M	11[1]		9.405	3.05 dBm
10 dBm					м	12[1]		-	95000 GHz 45.34 dBm
						1	1	2.400	00000 GHz
0 dBm									L AN
-10 dBm	D1 -16.237	dBm							(hour
-20 dBm									
-30 dBm				M4					
-40 dBm	moundary	whenmy have no	mere menun	toro marchlow bear	madama	Munhallynnyman	waterrywom	- the president	M2
-50 dBm									
-60 dBm									
-70 dBm	6 GHz			1001	L pts			Stop	2.406 GHz
Marker Type   Re	f   Trc	X-valu	e	Y-value	Fund	tion	Fund	tion Result	: I
M1	1		95 GHz	3.05 dB	Sm				
	1	5	2.4 GHz	-45.34 dB	lm				
M2 M3	1 1 1	2.3	2.4 GHz )87 GHz  86 GHz	-45.34 dB -44.27 dB -40.86 dB	Sm				
M2 M3 M4 Spectrun	Band	2.34 2.34 Edge N Offset 7	100 db e F		BOMHz		tv 🚺	ng Ref	Ø 
M2 M3 M4 Spectrun Ref Level	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	100 db e F	-44.27 dB -40.86 dB DH5 248 BW 100 kHz	BOMHz		o-Hoppir	ng Ref	
M2 M3 M4 Spectrun Ref Level Att SGL Count	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	100 db e F	-44.27 dB -40.86 dB DH5 248 BW 100 kHz	BOMHz BOMHz		o-Hoppir		4.68 dBm 177620 GHz
M2 M3 M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	100 db e F	-44.27 dB -40.86 dB DH5 24{ //BW 100 kHz //BW 300 kHz	BOMHz Mode	uto FFT	o-Hoppir		4.68 dBm
M2 M3 M4 Spectrun Ref Level Att SGL Count 1Pk Max	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	100 db e F	-44.27 dB -40.86 dB DH5 248 BW 100 kHz	BOMHz Mode	uto FFT	o-Hoppir		4.68 dBm
M2 M3 M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	100 db e F	-44.27 dB -40.86 dB DH5 24{ //BW 100 kHz //BW 300 kHz	BOMHz BOMHz	uto FFT	o-Hoppir		4.68 dBm
M2 M3 M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	100 db e F	-44.27 dB -40.86 dB DH5 24{ //BW 100 kHz //BW 300 kHz	BOMHz BOMHz	uto FFT	b-Hoppir		4.68 dBm
M2 M3 M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm- 0 dBm-	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	IVNT 1- .60 dB ● R 8.9 µs ● V	-44.27 dB -40.86 dB DH5 24{ //BW 100 kHz //BW 300 kHz	BOMHz BOMHz	uto FFT	b-Hoppir		4.68 dBm
M2 M3 M4 Spectrum Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	IVNT 1- .60 dB ● R 8.9 µs ● V	-44.27 dB -40.86 dB DH5 24{ //BW 300 kHz //BW 300 kHz	BOMHz Mode	uto FFT	b-Hoppir		4.68 dBm
M2 M3 M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	IVNT 1- .60 dB ● R 8.9 µs ● V	-44.27 dB -40.86 dB DH5 24{ //BW 300 kHz //BW 300 kHz	BOMHz Mode	uto FFT			4.68 dBm
M2 M3 M4 Spectrum Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	IVNT 1- .60 dB ● R 8.9 µs ● V	-44.27 dB -40.86 dB DH5 24{ //BW 300 kHz //BW 300 kHz	BOMHz Mode	uto FFT			4.68 dBm
M2 M3 M4 Spectrun Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	IVNT 1- .60 dB ● R 8.9 µs ● V	-44.27 dB -40.86 dB DH5 24{ //BW 300 kHz //BW 300 kHz	BOMHz BOMHz	uto FFT			4.68 dBm
M2 M3 M4 Spectrum Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	IVNT 1- .60 dB ● R 8.9 µs ● V	-44.27 dB -40.86 dB DH5 24{ //BW 300 kHz //BW 300 kHz	BOMHz BOMHz	uto FFT			4.68 dBm
M2           M3           M4           Spectrum           Ref Level           Att           SGL Count           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Band n 27.60 dBm 40 dB	2.34 2.34 Edge N Offset 7	IVNT 1- .60 dB ● R 8.9 µs ● V	-44.27 dB -40.86 dB DH5 24{ //BW 300 kHz //BW 300 kHz	BOMHz BOMHz	uto FFT			4.68 dBm
M2 M3 M4 Spectrun Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band n 27.60 dBm 40 dB 100/100	2.34 2.34 Edge N Offset 7	IVNT 1- .60 dB ● R 8.9 µs ● V	-44.27 dB -40.86 dB DH5 24{ //BW 300 kHz //BW 300 kHz	BOMHz	uto FFT		2.475	4.68 dBm



Att 40 dE SGL Count 100/100	<b>SWT</b> 227.	.5 μs 🔵 VBW	300 kHz	Mode Auto FF	г		
1Pk Max				M1[1]			4.18 dBm
20 dBm				M2[1]			95000 GHz 45.60 dBm
10pdgm					1		50000 GHz
0 dBm							
-10 dBm							
-20 dBm	9 dBm						
-30 dBm							
	M3					ماند م	
-50 dBm	umanyuhaman	Ho marca warder of	umbrud	unWittensonaan	www.hully.yourhy	hphrestrunter	levennethelpreise
-60 dBm							
-70 dBm							
Start 2.476 GHz			1001 pt	s		Stop	2.576 GHz
Marker Type Ref Trc	X-value		value	Function	Fund	tion Result	:
	2.47995		4.18 dBm 45.60 dBm				
M1 1 M2 1	2.4835						
		GHz -4	46.48 dBm 42.45 dBm				
M2 1 M3 1 M4 1	2.5 2.4846	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	5 2480MH	z Ant1 Ho	oping R	ef
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level 27.60 dBn           Att         40 dB           SGL Count 8009/8003	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	5 2480MH	z Ant1 Ho	oping R	
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level 27.60 dBm           Att         40 dE	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz		z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level 27.60 dBn           Att         40 dB           SGL Count 8009/8003	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level         27.60 dBm           1Pk Max         40 dBm           20 dBm         20 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level         27.60 dBm           1Pk Max         20 dBm           10 dBm         70 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level         27.60 dBm           M4         40 dB           SGL         Count           M4         40 dB           M4         40 dB      M	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level         27.60 dBm           1Pk Max         20 dBm           10 dBm         70 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level         27.60 dBm           Att         40 dB           SGL         Count           BOB9/8009           IPk         Max           20 dBm         10 dBm           0 dBm         0 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level 27.60 dBm           Att 40 dE           SGL Count 8009/8009           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level 27.60 dBm           Att         40 dB           SGL Count 8009/8009           1Pk Max           20 dBm           10 dBm           0 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Hoj		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level         27.60 dBm           Att         40 db           SGL Count         8009/8009           IPk Max         20 dBm           10 dBm         -0           -10 dBm         -0           -20 dBm         -30 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level 27.60 dBm           Att 40 dE           SGL Count 8009/8009           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level         27.60 dBm           Att         40 dE           SGL Count         8009/8009           IPk Max         20 dBm           10 dBm         -0           -10 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2         1           M3         1           M4         1           Band Ec           Spectrum           Ref Level         27.60 dBm           SGL         Count         8009/8009           IPk Max         20 dBm           10 dBm         -0           -10 dBm         -0           -20 dBm         -30 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho		₩ <b>4.90 dBm</b>
M2       1         M3       1         M4       1         Band Ec         Spectrum         Ref Level       27.60 dBm         Att       40 dE         SGL Count 8009/8009       10 dBm         1Pk Max       20 dBm         10 dBm       -0 dBm         -10 dBm	2.5 2.4846 Ige(Hoppin offset 7.60 s swr 18.9	GHz -4 GHz -4 ng) NVN	H6.48 dBm H2.45 dBm T 1-DH 100 kHz	Mode Auto FFT	z Ant1 Ho	2.476	₩ <b>4.90 dBm</b>



Ref Level         27.60 dB           Att         40 c           SGL Count         1200/120	18 <b>SWT</b> 22		BW 100 kHz BW 300 kHz	Mode /	Auto FFT			
1Pk Max								
20 dBm				M	1[1]		2.47	5.05 dBm 715000 GHz
				M	2[1]			-43.37 dBm
1D dBm					I	1	2.48	350000 GHz
pidem								
-10 dBm								
D1 -15.0	95 dBm							
-20 dBm								
-30 dBm								
-40 dBm	MB	with light war					. I MANAGE	Lata
-50 dBm	and the states of the second second	NEWLY	. Annonine has	HUNDLMANHUNH	monum	- Aller Mariliant	well	had an Alexander
-60 dBm								
-70 dBm								
Start 2.476 GHz Marker			1001 p	its			Stop	2.576 GHz
Type   Ref   Trc	X-value		Y-value	Fund	tion	Fund	tion Resul	t]
M1 1 M2 1		15 GHz 35 GHz	5.05 dBm -43.37 dBm					
M3 1		.5 GHz	-44.28 dBm					
			-42.46 dBm					
Spectrum Ref Level 27.62 dB	d Edge N' m Offset 7.	62 dB 👄 RB	DH5 2402	2MHz /		o-Hoppin	ng Ref	
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHz /		o-Hoppin	ng Ref	
Band Spectrum Ref Level 27.62 dB Att 40 c	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A		o-Hoppin	ng Ref	2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	o-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 IPk Max 20 dBm 10 dBm	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 IPk Max 20 dBm 10 dBm	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 IPk Max 20 dBm 10 dBm	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm 0 dBm	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm 0 dBm	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm -10 dBm	d Edge N' m Offset 7.	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	d Edge N' m Offset 7. B SWT 18	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm	d Edge N' m Offset 7. B SWT 18	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm	d Edge N' m Offset 7. B SWT 18	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm	d Edge N' m Offset 7. B SWT 18	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	d Edge N' m Offset 7. B SWT 18	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	d Edge N' m Offset 7. B SWT 18	VNT 2-E	DH5 2402	2MHZ / Mode A	uto FFT	p-Hoppin		2.76 dBm
Band Spectrum Ref Level 27.62 dB Att 40 c SGL Count 100/100 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	d Edge N' m Offset 7. B SWT 18	VNT 2-E	DH5 2402	2MHz /	uto FFT	p-Hoppin	2.40	2.76 dBm



Ref Level 2 Att SGL Count 2	40 dB		dB 👄 RBW 100 kH μs 🖶 VBW 300 kH		ŦΤ		
●1Pk Max				M1[1]			3.38 dBm
20 dBm				M2[1]			95000 GHz 34.30 dBm
10 dBm					I		000000, GHz
0 dBm							
-10 dBm							
-20 dBm	01 -17.239	dBm					
-30 dBm							Not 4
M4							The last
-40 dBm	In Maker	when man the work	many mound	a Montan Apple of Sour une	million Marina	MAN MAN MAN	men la
-50 dBm				- Ort theorem	000-000-0-00-00-00		1 · · · · ·
-60 dBm							
-70 dBm							
Start 2.306	GHz		1001	pts		Stop	2.406 GHz
Marker _Type   Ref	Trc	X-value	Y-value	Function	Fun	ction Result	. 1
M1 M2	1	2.40195 G 2.4 G					
M3	1	2.4 G					
M4	1	2.3122 G	Hz -38.30 dB	m			
Spectrum		ge(Hoppin	g) NVNT 2-D	H5 2402MF	Ready 🚺	pping R	ef
	27.62 dBm 40 dB	ge(Hoppin)				pping R	
Spectrum Ref Level 3 Att	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF		pping R	
Spectrum Ref Level 3 Att SGL Count 8 1Pk Max	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D				
Spectrum Ref Level 3 Att SGL Count 6	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level 3 Att SGL Count 8 1Pk Max	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level 3 Att SGL Count 6 • 1Pk Max 20 dBm 10 dBm	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level : SGL Count ( 1Pk Max 20 dBm	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level 3 Att SGL Count 6 • 1Pk Max 20 dBm 10 dBm	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level 3 Att SGL Count 6 1Pk Max 20 dBm 10 dBm 0 dBm	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level 3 Att SGL Count 6 1Pk Max 20 dBm 10 dBm -10 dBm	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level 3 Att SGL Count 6 1Pk Max 20 dBm 10 dBm -10 dBm	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum           Ref Level 3           Att           SGL Count 6           IN Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	27.62 dBm 40 dB	ge(Hoppin)	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level 3 Att SGL Count 6 • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	27.62 dBm 40 dB	ge(Hopping offset 7.62 d swr 18.9 µ	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum           Ref Level 3           Att           SGL Count 6           IN Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	27.62 dBm 40 dB	ge(Hopping offset 7.62 d swr 18.9 µ	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level : Att SGL Count I SGL Count I O dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	27.62 dBm 40 dB	ge(Hopping offset 7.62 d swr 18.9 µ	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level : Att SGL Count 1 9 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	27.62 dBm 40 dB	ge(Hopping offset 7.62 d swr 18.9 µ	g) NVNT 2-D	Mode Auto FF			.28 dBm
Spectrum Ref Level 3 Att SGL Count 8 9 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	27.62 dBm 40 dB 8000/8000	ge(Hopping offset 7.62 d swr 18.9 µ	g) NVNT 2-D	Mode Auto FF		2.401	.28 dBm



Ref Level Att	27.62 dBm 40 dB		7.62 dB 👄 27.5 µs 👄	VBW 300 kH		Auto FFT			
SGL Count 1Pk Max	1200/1200								
20 dBm					м	1[1]		2.403	2.16 dBm 295000 GHz
10 dBm					м	2[1]			-44.32 dBm 000000,GHz
0 dBm									Ţ
-10 dBm									Mura
-20 dBm	D1 -17.720	dBm							
-30 dBm									
-40 dBm			M4	and an and the second second				M3	Ma
መሙትክ-ላላሌላ -50 dBm	viologiaeniorialiaethe	masser	when to wear	and - work	receiver	hun grow your	- www.www.	hd-hity Mallalana	แห่งแรงชี
-60 dBm									
-70 dBm									
Start 2.30	6 GHz			1001	. pts			Stop	2.406 GHz
Marker Type   Re	f   Trc	X-value	e	Y-value	Func	tion	Func	tion Resul	t
M1	1	2.402	95 GHz	2.16 dB	m				
	1	2	2.4 GHz	-44.32 dB	m				
M2 M3				-45 40 dB	m				
M2 M3 M4	1	2.	39 GHz 06 GHz	-45.40 dB -39.94 dB					
M3 M4 Spectrum Ref Level	Band	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB •DH5 248 •Bw 100 kHz	m BOMHz	] Peed Ant1 No	-Hoppir	ng Ref	() () () () () () () () () () () () () (
M3 M4 Spectrun	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248	m BOMHz		Hoppir	ng Ref	
M3 M4 Spectrum Ref Level Att	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB •DH5 248 •Bw 100 kHz	Mode A	uto FFT	-Hoppir	ng Ref	
M3 M4 Spectrun Ref Level Att SGL Count ● 1Pk Max	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB •DH5 248 •Bw 100 kHz	Mode A		-Hoppir		2.57 dBm 994410 GHz
M3 M4 Spectrun Ref Level Att SGL Count	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB •DH5 248 •Bw 100 kHz	Mode A	uto FFT	-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count ● 1Pk Max	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB •DH5 248 •Bw 100 kHz	Mode A	uto FFT	-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count • 1Pk Max 20 dBm-	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	uto FFT	P-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count IPk Max 20 dBm- 10 dBm-	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	uto FFT	p-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count IPk Max 20 dBm- 10 dBm- 0 dBm- -10 dBm-	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	uto FFT	p-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count IPk Max 20 dBm- 10 dBm- 0 dBm-	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A		p-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count IPk Max 20 dBm- 10 dBm- 0 dBm- -10 dBm-	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	1[1]	p-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count IPk Max 20 dBm- 10 dBm- 0 dBm- -10 dBm- -20 dBm-	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	1[1]	p-Hoppir		2.57 dBm
M3           M4           Spectrun           Ref Level           Att           SGL Count           • 1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	1[1]	p-Hoppir		2.57 dBm
M3           M4           Spectrun           Ref Level           Att           SGL Count           ● 1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	1[1]	p-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count • 1Pk Max 20 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	1 1 Band 27.60 dBm 40 dB	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	1[1]	p-Hoppir		2.57 dBm
M3 M4 Spectrun Ref Level Att SGL Count • 1Pk Max 20 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	1 1 27.60 dBm 40 dB 100/100	2. 2.34 Edge N Offset 7	39 GHz 06 GHz VNT 2- .60 dB • F	-39.94 dB -DH5 248 RBW 100 kHz /BW 300 kHz	Mode A	1[1]	p-Hoppir	2.479	2.57 dBm



Ref Level 2 Att SGL Count 1	40 dB			<b>RBW</b> 100 kHz <b>/BW</b> 300 kHz		Auto FFT			
1Pk Max				1 1		1[1]			0.00 dDm
20 dBm					IVI	1[1]		2.479	3.20 dBm 95000 GHz
10 dBm					M	2[1]			46.03 dBm 50000 GHz
								2.400	00000 0112
-10 cBm									
-20 aBm	01 -17.428	dBm							
-30 dBm									
40 dBr		M4							
1 think	withme	white the	have all the have been been been been been been been be	- www.	autritan bayes	www.	phenomenantic	your which	artwork Model
-50 dBm									
-60 dBm									
-70 dBm	011-			1001	ntc			0t 1	
Start 2.476 Narker	GHZ			1001	pts			Stop :	2.576 GHz
Type Ref		X-value		Y-value	Func	tion	Func	tion Result	
M1 M2	1		95 GHz 35 GHz	3.20 dBr -46.03 dBr					
M3	1		.5 GHz	-47.12 dBr					
M4	1 1	2 40							
Spectrum Ref Level 2 Att	27.60 dBm 40 dB	Offset 7.	Ding) N\	-43.38 dBr /NT 2-D BW 100 kHz BW 300 kHz	H5 248		Ant1 Hop	oping R	ef
Ba Spectrum Ref Level 2	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248		Ant1 Hop	oping R	
Ba Spectrum Ref Level 2 Att SGL Count 8 1Pk Max	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A		Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 1Pk Max	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		
Ba Spectrum Ref Level 2 Att SGL Count 8 IPk Max 20 dBm 10 dBm	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 IPk Max 20 dBm 10 dBm	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 IPk Max 20 dBm 10 dBm	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 8 IPk Max 20 dBm 10 dBm	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 8 IPk Max 20 dBm 10 dBm	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 8 IPk Max 20 dBm 10 dBm	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 IPk Max 20 dBm 10 dBm -10 dBm -10 dBm -20 dBm	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 IPk Max 20 dBm 10 dBm -10 dBm	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 9 SGL Count 9 SG	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 9 SGL Count 9 SG	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 9 SGL Count 9 SG	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 9 SGL Count 9 SG	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 9 SGL Count 9 SG	Ind Edg	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		₩ ▼ 3.53 dBm
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 8 SGL Count 8 SGL Count 8 SGL Count 8 SGL Count 8 SGL Count 8 O dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	Ind Edg 27.60 dBm 40 dB 3000/8000	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248	uto FFT		2.476	3.53 dBm 15580 GHz
Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 9 SGL Count 9 SG	Ind Edg 27.60 dBm 40 dB 3000/8000	ge(Hopp offset 7.	Ding) N\	/NT 2-D	H5 248	uto FFT	Ant1 Hop	2.476	3.53 dBm 15580 GHz

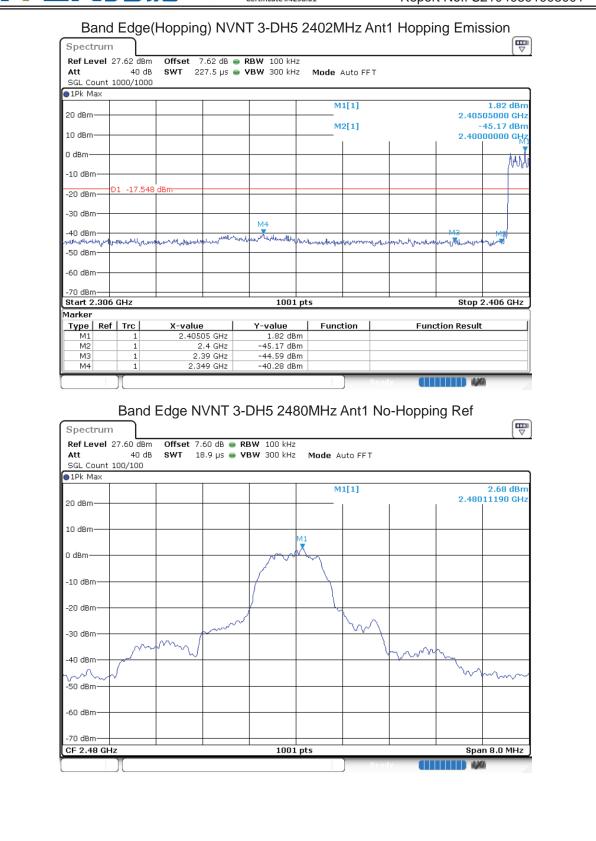


Ref Level				RBW 100 kHz					
Att	40 dB	<b>SWT</b> 22	27.5 µs 👄	<b>VBW</b> 300 kHz	Mode /	Auto FFT			
SGL Count : 1Pk Max	1000/1000								
20 dBm					м	1[1]		0.47	-0.31 dBm
					M	2[1]		2.47	/805000 GHz -44.06 dBm
10 dBm						I	I	2.48	350000 GHz
g dBm									
-10 cBm									
-20 dBm	D1 -16.472	dBm							
-30 dBm									
	M4	M3							
-40 db m2-	town any two	martymy	www.d.shapu	m monthermon	www.www.	hourdown	howward	any man	Marty provide the the
-50 dBm									
-60 dBm									
-70 dBm									
Start 2.476	GHz			1001	pts			Stop	2.576 GHz
Marker Type   Ref	Trc	X-value	.	Y-value	Func	tion	Fun	tion Resu	ilt l
M1	1	2.478	05 GHz	-0.31 dBr	n				
M2 M3	1		35 GHz	-44.06 dBr					
1413	-		2.5 GHz	-43.61 dBr	n				
M4 Spectrum Ref Level 3 Att	Band	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr DH5 240 BW 100 kHz	)2MHz /		o-Hoppii	ng Ref	
M4 Spectrum Ref Level 3 Att SGL Count 3	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr	)2MHz /		D-Hoppin	ng Ref	
M4 Spectrum Ref Level 3 Att SGL Count 3	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr DH5 240 BW 100 kHz	n) 2MHz / Mode A		b-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : JPk Max	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr DH5 240 BW 100 kHz	n) 2MHz / Mode A	uto FFT	b III		
M4 Spectrum Ref Level : Att SGL Count : D1Pk Max 20 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr DH5 240 BW 100 kHz	n) 2MHz / Mode A	uto FFT	b-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : D1Pk Max 20 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr DH5 240 BW 100 kHz	n) 2MHz / Mode A	uto FFT	b-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : IPk Max 20 dBm 10 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr	n) 2MHz / Mode A	uto FFT	p-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : IPk Max 20 dBm 10 dBm 0 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr	n) 2MHz / Mode A	uto FFT	b-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : IPk Max 20 dBm 10 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr	n) 2MHz / Mode A	uto FFT	b-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : SGL Count : 1Pk Max 20 dBm 10 dBm 0 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr	n) 2MHz / Mode A	uto FFT	b-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : SGL Count : SGL Count : 10 dBm 10 dBm -10 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R	-42.74 dBr	n) 2MHz / Mode A	uto FFT	p-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : SGL Count : SGL Count : 10 dBm 10 dBm -10 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R 8.9 μs • V	-42.74 dBr	n) 2MHz / Mode A	uto FFT	p-Hoppin		3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : SGL Count : 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R 8.9 μs • V	-42.74 dBr	n) 2MHz / Mode A	uto FFT			3.56 dBm
M4 Spectrum Ref Level 3 Att SGL Count 3 SGL Count 3 IPk Max 20 dBm 10 dBm -10 dBm -20 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R 8.9 μs • V	-42.74 dBr	n) 2MHz / Mode A	uto FFT			3.56 dBm
M4 Spectrum Ref Level 3 Att SGL Count 3 IPk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R 8.9 μs • V	-42.74 dBr	n) 2MHz / Mode A	uto FFT			3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : IPk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R 8.9 μs • V	-42.74 dBr	n) 2MHz / Mode A	uto FFT			3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	1 Band 27.62 dBm 40 dB	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R 8.9 μs • V	-42.74 dBr	n) 2MHz / Mode A	uto FFT			3.56 dBm
M4 Spectrum Ref Level : Att SGL Count : IPk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm -70 dBm -70 dBm	1 Band 27.62 dBm 40 dB 300/300	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R 8.9 μs • V	-42.74 dBr	Mode A	uto FFT		2.40	3.56 dBm 1196000 GHz
M4 Spectrum Ref Level : SGL Count : SGL Count : DPk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -60 dBm -60 dBm	1 Band 27.62 dBm 40 dB 300/300	2.49 Edge N offset 7.	34 GHz VNT 3- 62 dB • R 8.9 μs • V	-42.74 dBr	Mode A	uto FFT		2.40	3.56 dBm



Spectrum Ref Level 3 Att SGL Count	27.62 dBm 40 dB			<b>BW</b> 100 kHz <b>'BW</b> 300 kHz		to FFT			
●1Pk Max									
20 dBm					M1[1	1]		2.40	1.32 dBm L75000 GHz
10 dBm					M2[1	1]			-33.69 dBm
								2.400	000000 GHz
0 dBm									
-20 dBm	D1 -16.439	dBm							
-30 dBm		M4							1
-40,dBm	1.n.A.A.w	1 Purpare of	Mr. Mark Mary	N. Morena marke	www.uhr.tydeflee	total cul-	and the state	M3	unter 1
-50 dBm	N.W. 1.40.	1. 10 million 1	v. (*	φ τ	on and have the little	211 YULLING	ana ang ang ang ang ang ang ang ang ang	an allanana.	ant n.
-60 dBm									
-70 dBm									
Start 2.306	GHz			1001	pts			Stop	2.406 GHz
Marker	I Tur I	V ···-1		V	1	- 1			]
Type Ref M1	1	X-value 2.401	75 GHz	Y-value 1.32 dBm	Functio		Fund	ction Result	L
M2	1	2	.4 GHz	-33.69 dBm	n				
	1	2.1	39 GHz	-46.03 dBm					
M3 M4	1		32 GHz	-39.69 dBm	1				
M4 Ba Spectrum	and Edg	2.326 ge(Hopp	<sup>32 GH2</sup> Ding) N∖	/NT 3-Dł	H5 2402I	Read MHz A	ant1 Ho	pping R	ef
Ba	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł			nt1 Ho	pping R	
M4 Ba Spectrum Ref Level 3 Att	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT	Ant1 Ho	pping R	
M4 Spectrum Ref Level : Att SGL Count I • 1Pk Max	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	45 2402	) FFT	ant1 Ho		.45 dBm
M4 Spectrum Ref Level 3 Att SGL Count 1	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT	ant1 Ho		
M4 Spectrum Ref Level : Att SGL Count I • 1Pk Max	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT	Ant1 Ho		.45 dBm
M4 Spectrum Ref Level : Att SGL Count 1 • 1Pk Max 20 dBm	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT	Ant1 Ho		.45 dBm
M4 Spectrum Ref Level 3 Att SGL Count 1 • 1Pk Max 20 dBm 10 dBm	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT	Ant1 Ho		.45 dBm
M4 Spectrum Ref Level : Att SGL Count : O dBm 0 dBm 0 dBm	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT	Ant1 Ho		.45 dBm
M4 Spectrum Ref Level : Att SGL Count : O dBm 10 dBm -10 dBm	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT	Ant1 Ho		.45 dBm
M4 Spectrum Ref Level 3 Att SGL Count 1 SGL Count 1 O dBm 10 dBm 10 dBm -10 dBm -20 dBm	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT	Ant1 Ho		.45 dBm
M4 Spectrum Ref Level 3 Att SGL Count 1 SGL Count 1 9 1Pk Max 20 dBm 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT			.45 dBm
M4 Spectrum Ref Level 3 Att SGL Count 1 9 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT 1]			.45 dBm
M4           Back           Spectrum           Ref Level :           Att           SGL Count :           • 1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	1 and Edg 27.62 dBm 40 dB	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT 1]			.45 dBm
M4           Back           Spectrum           Ref Level :           Att           SGL Count :           ID dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm	1 and Edg 27.62 dBm 40 dB 8000/8000	2.326 ge(Hopp offset 7.	32 GH2 Ding) NV 62 dB ● RB	/NT 3-Dł	H5 24021	) FFT 1]		2.40:	.45 dBm







Att SGL Count :	27.60 dł 40 100/100	dB <b>SWT</b> 23		<b>XBW</b> 100 kHz <b>/BW</b> 300 kHz		Auto FFT			
●1Pk Max			1		м	1[1]			2.48 dBm
20 dBm									95000 GHz
10 dBm					M	2[1]			-45.04 dBm 350000 GHz
-10 dBm									
-20 dBm-	01 -17.3	317 dBm							
-30 dBm-+									
		M4							
V Vin	numulul	WI3	male and a strategies	monter	unnumun	hand Doryblyten	mayouth	myallhow	munumumu
-50 dBm									
-60 dBm									
-70 dBm	GHz			1001	pts			Stop	2.576 GHz
Marker	l Tun l		- 1	Y-value	Func	•!===	<b>F</b>	tion Result	
Type Ref	1		95 GHz	2.48 dBr	n		Func	aton Result	
	1		35 GHz	-45.04 dBr -45.65 dBr					
M2 M3	1		2.5 GHz						
M3 M4 Ba Spectrum Ref Level 3 Att	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	<sup>m</sup> H5 248		Ant1 Hop	oping R	ef
M3 M4 Ba Spectrum Ref Level 3	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop	oping R	
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 6 • 1Pk Max	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A		Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 6 • 1Pk Max 20 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 4 IPk Max 20 dBm 10 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 4 IPk Max 20 dBm 10 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 4 IPk Max 20 dBm 10 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 6 1Pk Max 20 dBm 10 dBm -10 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 6 • 1Pk Max 20 dBm 10 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 6 1Pk Max 20 dBm 10 dBm -10 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 6 IPk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count ( SGL Count ( 10 dBm 10 dBm -10 dBm -20 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 6 IPk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 4 • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT	Ant1 Hop		
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 1 SGL Count 1 PR Max 20 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	and E	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	m H5 248 Mode A	uto FFT			
M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 4 SGL Count 4 SGL Count 4 D 1Pk Max 20 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	1 27.60 df 40 3000/80	2,49 dge(Hop) 3m Offset 7 dB SwT 1	56 GHz Ding) N .60 dB • RI	-42.58 dBr	Mode A	uto FFT	Ant1 Hop	2.476	



## Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

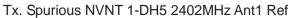
Spect	rum	٦									0	
Att		27.60 de 40 1000/10	dB <b>SWT</b> 23		<ul> <li>RBW 100</li> <li>VBW 300</li> </ul>		Mode ,	Auto FF	τ			
●1Pk M	ax											
20 dBm								1[1]				2.63 dBm 905000 GHz
10 dBm						_	м	2[1]				-44.38 dBm 350000 GHz
pidem-						-						
-10 dBn	c	01 -16.0	)95_dBm			$\pm$						
-20 dBn	n					-						
-30 dBn	n+					+						
	and the second	14 Kuluntonyi	M3 mbro Millon Martin	where where	Holennan	helperter	the second of the second second	known	m	ruturuturutur	hanny humber	and for any come
-50 dBn	n-					+						
-60 dBn	n											
-70 dBn												
Start 2		GHz			10	01 pt:	s				Stop	2.576 GHz
Marker					-			-				
Type	Ref	Trc	X-value		Y-value	·	Function			Fun	ction Resul	t
M1 M2		1		05 GHz 35 GHz	2.63							
M3		1		2.5 GHz	-44.38							
M4		1		74 GHz	-42.97							
		1						1	Read			0



# 8.7 CONDUCTED RF SPURIOUS EMISSION

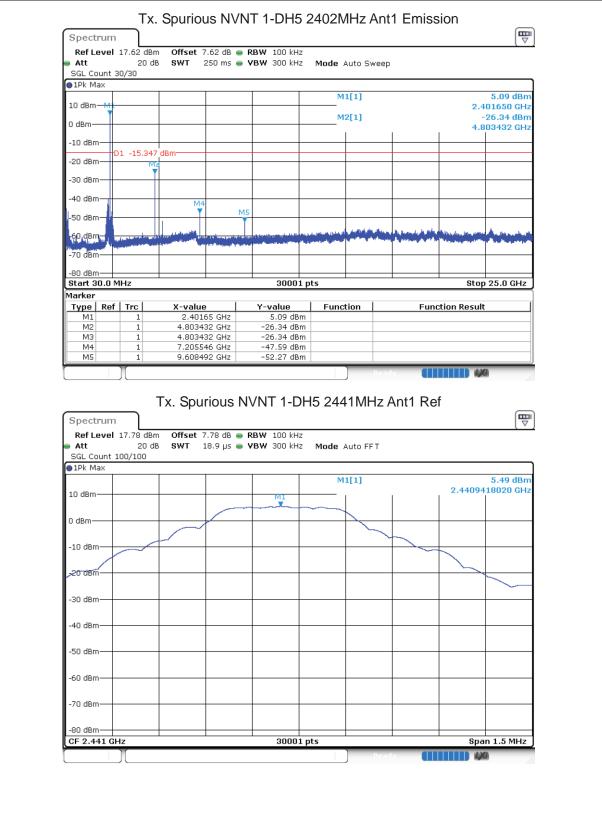
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant 1	-30.99	-20	Pass
NVNT	1-DH5	2441	Ant 1	-37.8	-20	Pass
NVNT	1-DH5	2480	Ant 1	-33.98	-20	Pass
NVNT	2-DH5	2402	Ant 1	-33.52	-20	Pass
NVNT	2-DH5	2441	Ant 1	-41.46	-20	Pass
NVNT	2-DH5	2480	Ant 1	-34.22	-20	Pass
NVNT	3-DH5	2402	Ant 1	-33.71	-20	Pass
NVNT	3-DH5	2441	Ant 1	-43.36	-20	Pass
NVNT	3-DH5	2480	Ant 1	-36.1	-20	Pass

ACCREDITED

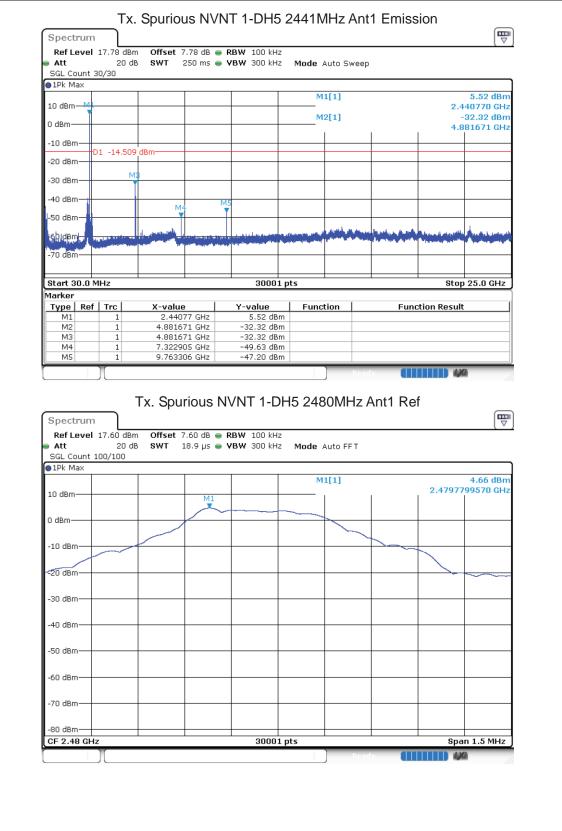




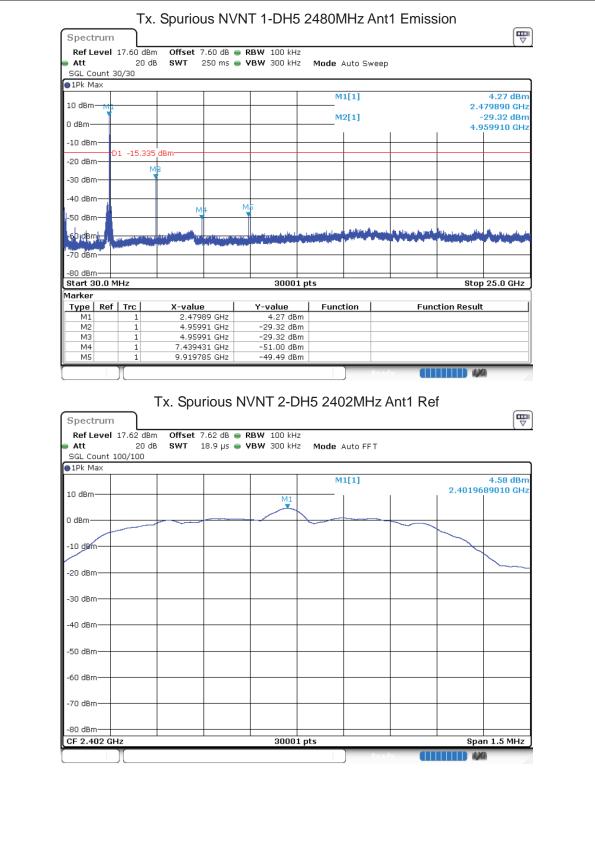




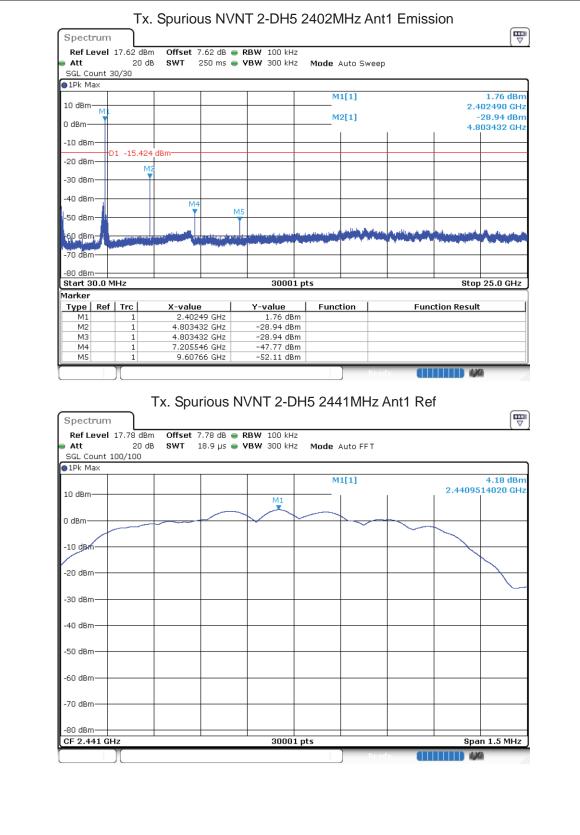




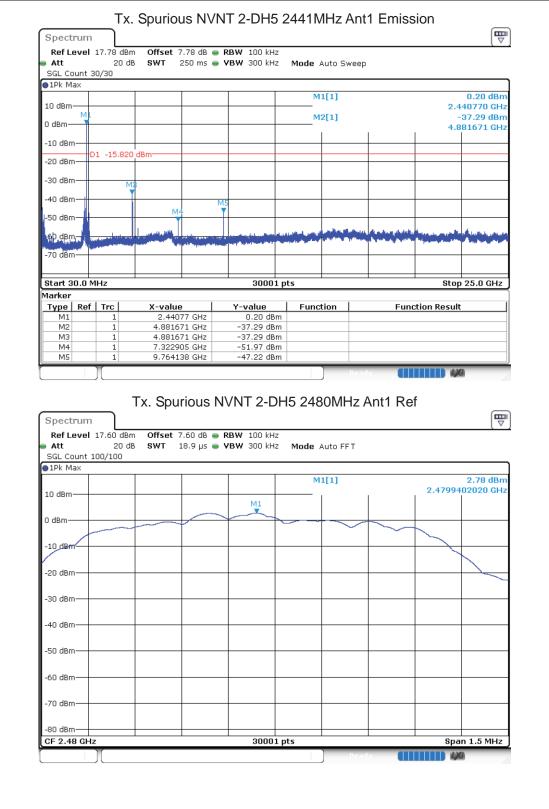




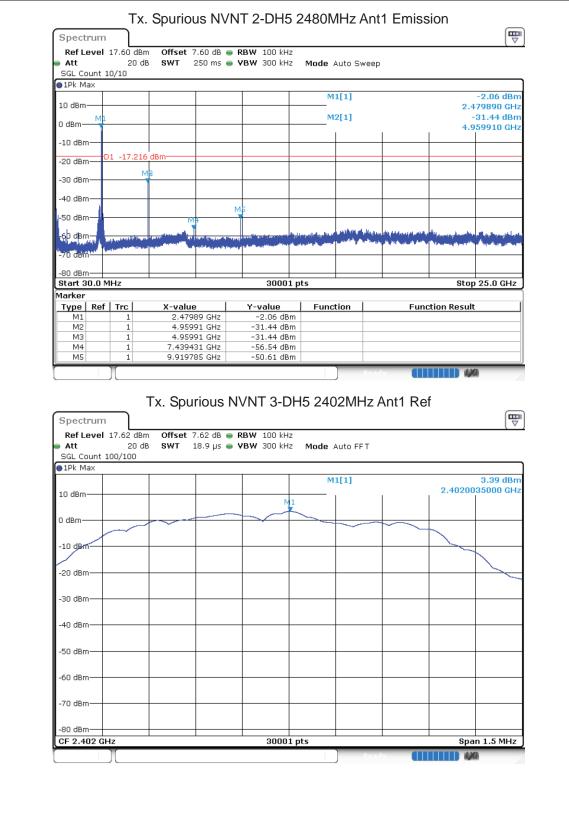




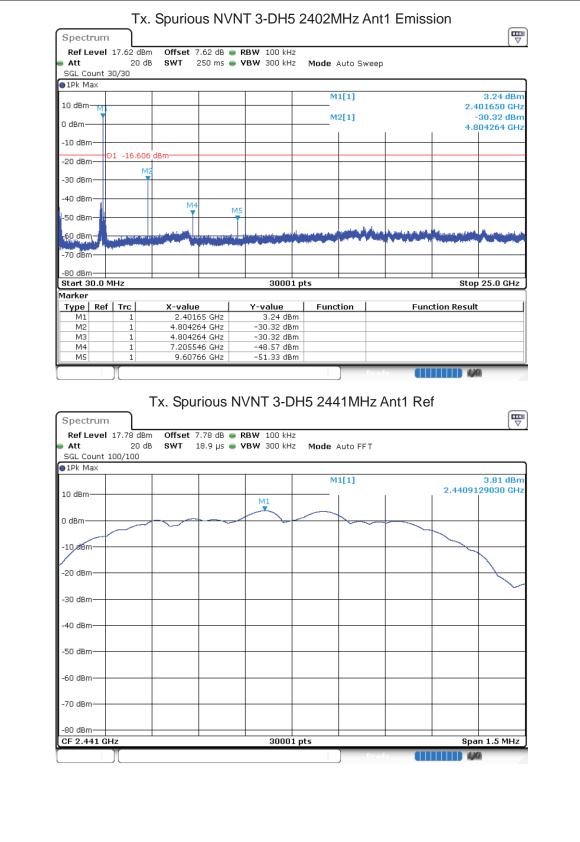




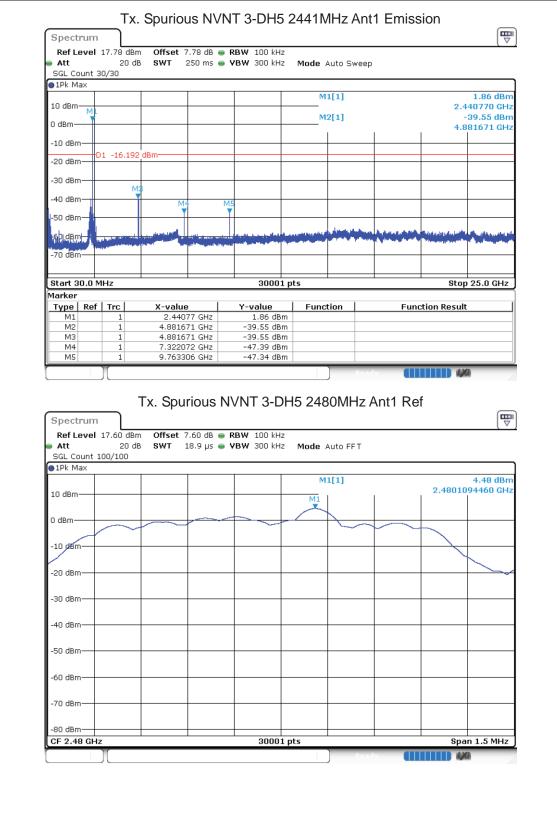




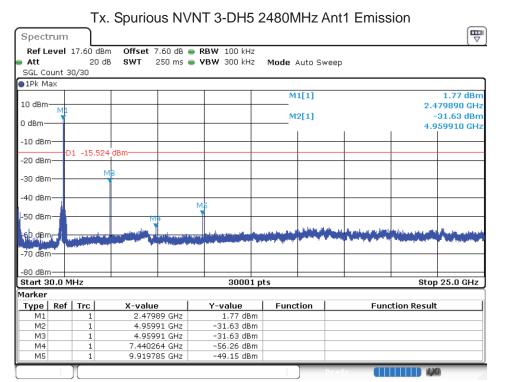












END OF REPORT