

RADIO TEST REPORT FCC ID: 2AYLN-N105

Certificate #4298.01

Product:	NewCube Mini PC
Trade Mark:	N/A
Model No.:	N105
Family Model:	N******** (*=A-Z, 0-9, character or
	blank)
Report No.:	S23051204105001
Issue Date:	Jul 17, 2023

Prepared for

Jwipc Technology Co., Ltd.

13/F., Building B, Haisong Edifice, Tairan 9th Road, Futian, Shenzhen, Guangdong, China

Prepared by

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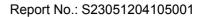


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1 TEST RESULT CERTIFICATION

Applicant's name	Jwipc Technology Co., Ltd.
Address	13/F., Building B, Haisong Edifice, Tairan 9th Road, Futian, Shenzhen, Guangdong, China
Manufacturer's Name	Jwipc Technology Co., Ltd.
Address	13/F., Building B, Haisong Edifice, Tairan 9th Road, Futian, Shenzhen, Guangdong, China
Product description	
Product name	NewCube Mini PC
Trade Mark	N/A
Model and/or type reference :	N105
Family Model	N******* (*=A-Z, 0-9, character or blank)
Test Sample Number	S230512041001

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	: May 12, 2023 ~ Jul 17, 2023
Testing Engineer	Muhzi Lee
	(Mukzi Lee)
Authorized Signatory	Alex
	(Alex Li)





2 SUMMARY OF TEST RESULTS

FCC Part15 (15.247), Subpart C			
Standard Section Test Item Verdict Re			
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	

Remark:

1. "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	Occupied bandwidth	±3.7dB
5	All emissions, radiated(9KHz~30MHz)	±6dB
6	All emissions, radiated(30MHz~1GHz)	±2.64dB
7	All emissions, radiated(1GHz~6GHz)	±2.40dB
8	All emissions, radiated(> 6GHz)	±2.52dB
9	Temperature	±0.5°C
10	Humidity	±2%





4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification			
Equipment	NewCube Mini PC		
Trade Mark	N/A		
FCC ID	2AYLN-N105		
Model No.	N105		
Family Model	N******* (*=A-Z, 0-9, character or blank)		
Model Difference	All the model are the same circuit and RF module, except the model name, SSD, internal storage and CPU is different.		
Operating Frequency	2402MHz~2480MHz		
Modulation	GFSK, π/4-DQPSK, 8-DPSK		
Number of Channels	79 Channels		
Antenna Type	PIFA Antenna		
Antenna Gain	2.23 dBi		
Adapter	Adapter 1#: Model: NB-65B19 Input: 100-240V~1.6A(1.6A) 50-60Hz Output: 19.0V3.42A(3.42A) 65.0W Adapter 2#: Model: SOY-1900342-327 Input: 100-240V~50-60Hz 1.7A Max Output: 19.0V3.42A 64.98W		
Battery	N/A		
Power supply	DC 19V from adapter		
Hardware version	N/A		
Software version	N/A		

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

Report No.	Version	Description	Issued Date
S23051204105001	Rev.01	Initial issue of report	Jul 17, 2023





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 π /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	
Nata AO a survey line O	Nate AO arreading Oracle to defining one to take download and the second state of a second	

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)		

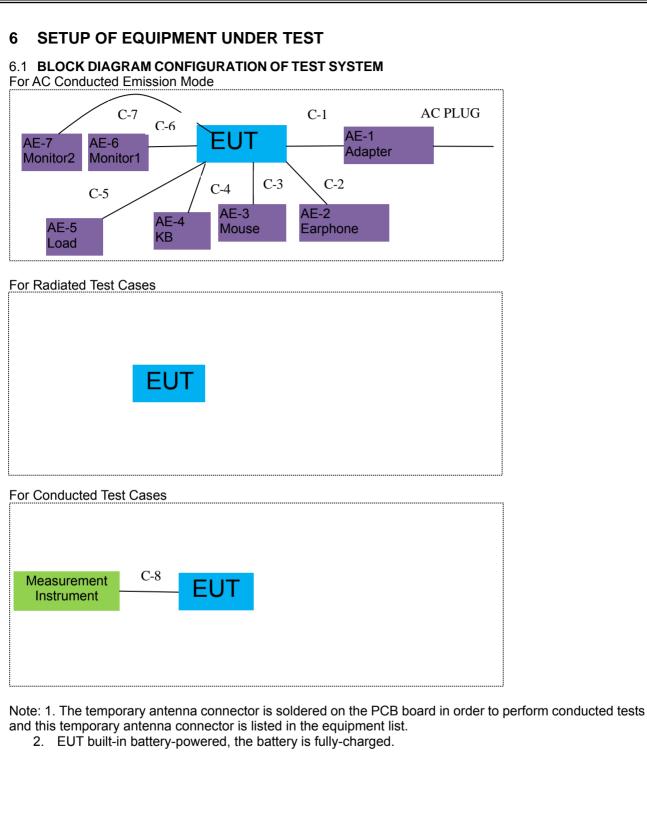
Note: For radiated test cases, the worst mode data rate 2Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

For Conducted Test Cases				
Final Test Mode	Description			
Mode 2	CH00(2402MHz)			
Mode 3	CH39(2441MHz)			
Mode 4	CH78(2480MHz)			
Mode 5	Hopping mode			
Note: The engineering	test program was provided and the EUT was programmed to be in continuously			

transmitting mode.



ACCREDITED Certificate #4298.01







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 1#	NB-65B19	N/A	Peripherals
AE-1	Adapter 2#	SOY-1900342-327	N/A	Felipherais
AE-2	Earphone	N/A	N/A	Peripherals
AE-3	Mouse	N/A	N/A	Peripherals
AE-4	KB	N/A	N/A	Peripherals
AE-5	Load	N/A	N/A	Peripherals
AE-6	Monitor 1	N/A	N/A	Peripherals
AE-7	Monitor 2	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	USB Cable	NO	YES	1.7m
C-2	USB Cable	YES	NO	1.2m
C-3	USB Cable	YES	NO	1.2m
C-4	USB Cable	YES	NO	1.2m
C-5	Power Cable	YES	NO	1.2m
C-6	HDMI Cable	YES	NO	1.2m
C-7	HDMI Cable	YES	NO	1.2m
C-8	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".





6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

							Calibrati
	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4440A	MY41000130	2023.03.27	2024.03.26	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2022.06.16 2023.05.29	2023.06.15 2024.05.28	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2022.06.16 2023.05.29	2023.06.15 2024.05.28	1 year
4	Test Receiver	R&S	ESPI7	101318	2023.03.27	2024.04.26	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2023.03.16	2024.03.16	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2023.05.06	2026.05.05	3 year
7	Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2816	2023.01.12	2024.01.11	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2022.11.07	2023.11.06	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2022.06.17 2023.05.29	2023.06.16 2024.05.28	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2022.11.04	2023.11.03	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2022.06.16 2023.05.29	2023.06.15 2024.05.28	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
15	Filter	TRILTHIC	2400MHz	29	2023.03.26	2026.03.25	3 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

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

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	2023.03.27	2024.03.26	1 year
2	LISN	R&S	ENV216	101313	2023.03.27	2024.03.26	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2023.03.27	2024.03.26	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2023.05.06	2026.05.05	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2023.05.06	2026.05.05	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2023.05.06	2026.05.05	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2023.05.06	2026.05.05	3 year

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.





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

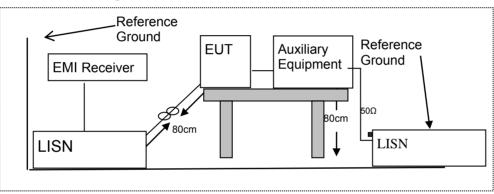
	Conducted Emission Limit			
Frequency(MHz)	Quasi-peak	Average		
0.15-0.5	66-56*	56-46*		
0.5-5.0	56	46		
5.0-30.0	60	50		

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

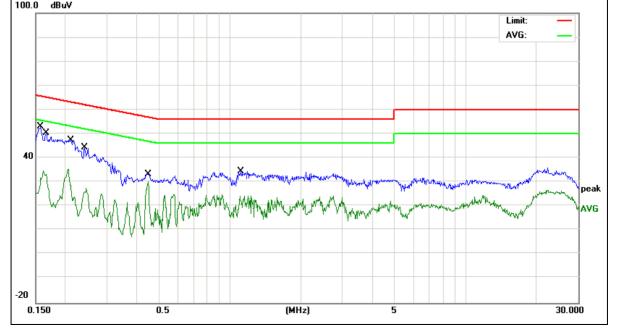
EUT :	NewCube Mini PC	Model Name :	N105
Temperature :	22.1°C	Relative Humidity :	53%
Pressure :	1010hPa	Phase :	L
Test Voltage :	DC 19V from Adapter AC 120V/60Hz	Test Mode :	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1580	43.35	9.63	52.98	65.56	-12.58	QP
0.1580	21.98	9.63	31.61	55.56	-23.95	AVG
0.1660	40.87	9.63	50.50	65.15	-14.65	QP
0.1660	23.52	9.63	33.15	55.15	-22.00	AVG
0.2116	37.74	9.64	47.38	63.14	-15.76	QP
0.2116	17.86	9.64	27.50	53.14	-25.64	AVG
0.2419	34.65	9.64	44.29	62.03	-17.74	QP
0.2419	16.32	9.64	25.96	52.03	-26.07	AVG
0.4500	23.75	9.65	33.40	56.87	-23.47	QP
0.4500	20.50	9.65	30.15	46.87	-16.72	AVG
1.1140	24.94	9.66	34.60	56.00	-21.40	QP
1.1140	11.78	9.66	21.44	46.00	-24.56	AVG

Remark:

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







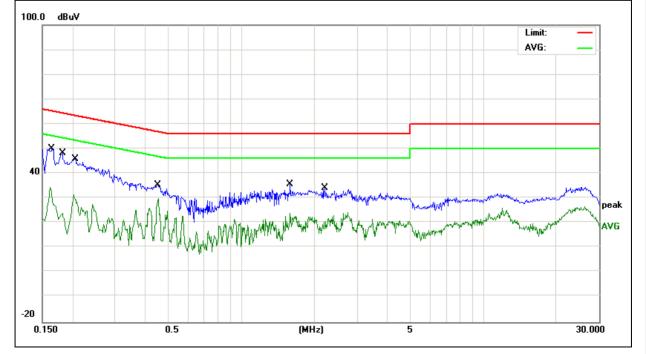


EUT :	NewCube Mini PC	Model Name :	N105
Temperature :	22.1°C	Relative Humidity :	53%
Pressure :	1010hPa	Phase :	Ν
Test Voltage :	DC 19V from Adapter AC 120V/60Hz	Test Mode :	Mode 1

	1	1	1			
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1640	40.36	9.63	49.99	65.25	-15.26	QP
0.1640	21.77	9.63	31.40	55.25	-23.85	AVG
0.1819	38.72	9.63	48.35	64.39	-16.04	QP
0.1819	12.77	9.63	22.40	54.39	-31.99	AVG
0.2058	36.35	9.64	45.99	63.37	-17.38	QP
0.2058	19.76	9.64	29.40	53.37	-23.97	AVG
0.4500	25.59	9.65	35.24	56.87	-21.63	QP
0.4500	19.75	9.65	29.40	46.87	-17.47	AVG
1.5859	25.90	9.66	35.56	56.00	-20.44	QP
1.5859	14.17	9.66	23.83	46.00	-22.17	AVG
2.2099	24.41	9.66	34.07	56.00	-21.93	QP
2.2099	7.97	9.66	17.63	46.00	-28.37	AVG

Remark:

All readings are Quasi-Peak and Average values.
 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

According to 1 00 1 art 10.200			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

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)				
Frequency(MHz)	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);





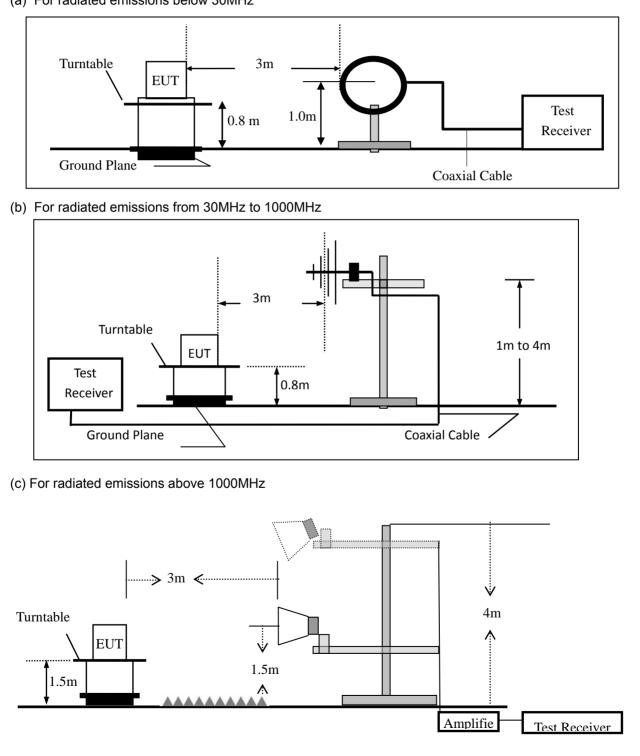
Limit line=Specific limits(dBuV) + distance extrapolation factor.

7.2.3 Measuring Instruments

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

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:

ele ale lenewing opeen and analyzer beamig	5.			
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	QP	120 kHz	300 kHz
Above 1000	Peak		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.

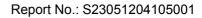
7.2.6 Test Results

■ Spurious Emission below 30MHz (9KHz to 30MHz)

EUT:	NewCube Mini PC	Model No.:	N105
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

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.





Certificate #4298.01

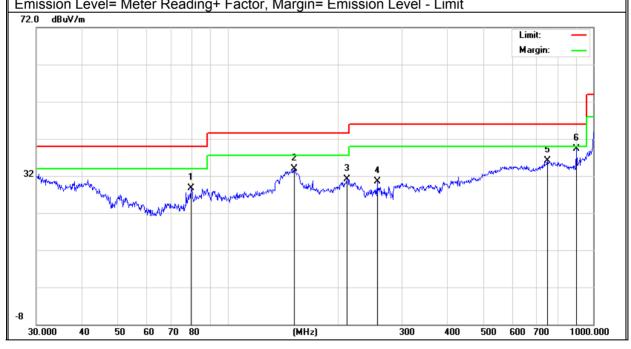
Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the worst result was report as below:

EUT :	NewCube Mini PC	Model Name :	N105
Temperature :	25.4 ℃	Relative Humidity :	54%
Pressure :	1010hPa	Test Mode:	Mode 2
Test Voltage :	DC 19V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	79.5207	13.35	15.30	28.65	40.00	-11.35	QP
V	152.1297	15.55	18.45	34.00	43.50	-9.50	QP
V	212.2692	14.49	16.70	31.19	43.50	-12.31	QP
V	256.5210	11.29	19.29	30.58	46.00	-15.42	QP
V	750.1082	7.27	28.79	36.06	46.00	-9.94	QP
V	900.1471	8.50	30.79	39.29	46.00	-6.71	QP

Remark:

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







Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remarl
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Roman
Н	77.0502	13.81	14.85	28.66	40.00	-11.34	QP
Н	154.2786	11.66	18.37	30.03	43.50	-13.47	QP
Н	182.5592	12.94	16.80	29.74	43.50	-13.76	QP
Н	223.7333	12.95	17.17	30.12	46.00	-15.88	QP
Н	798.9796	7.36	29.53	36.89	46.00	-9.11	QP
Н	900.1471	7.62	30.79	38.41	46.00	-7.59	QP
						Margin:	
						Margin:	
							× ×
32			2	3 4	and the second	deran and marken we have	of control of
My how	would work the second	×.	www.hat	1 A Mundon	ne man and an and an and an and an		
	"When with where they	n Mun Muran	Mental Mand M	W WW I'			
	" Mur	which at					





EUT: NewCube Mini PC		Mode	No.:	N105	N105					
Femperature:	20 ℃	20 ℃			Relative Humidity:		48%			
Fest Mode:	Mode	2/Mode3	B/Mode4	Test E	By:	Mukz	i Lee			
I the modulatio	n modes	have be	en tested	and the	worst result	was repo	t as below	N:		
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Remark	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)			
		Lov	v Channel (2402 MHz	:)(π/4-DQPS	SK)Above	1G			
4804	68.35	5.21	35.59	44.30	64.85	74.00	-9.15	Pk	Vertical	
4804	50.56	5.21	35.59	44.30	47.06	54.00	-6.94	AV	Vertical	
7206	70.14	6.48	36.27	44.60	68.29	74.00	-5.71	Pk	Vertical	
7206	45.09	6.48	36.27	44.60	43.24	54.00	-10.76	AV	Vertical	
4804	70.71	5.21	35.55	44.30	67.17	74.00	-6.83	Pk	Horizontal	
4804	48.12	5.21	35.55	44.30	44.58	54.00	-9.42	AV	Horizontal	
7206	69.99	6.48	36.27	44.52	68.22	74.00	-5.78	Pk	Horizontal	
7206	48.1	6.48	36.27	44.52	46.33	54.00	-7.67	AV	Horizontal	
		Mic	d Channel (2441 MHz)(π/4-DQPS	K)Above	IG			
4882	69.59	5.21	35.66	44.20	66.26	74.00	-7.74	Pk	Vertical	
4882	45.32	5.21	35.66	44.20	41.99	54.00	-12.01	AV	Vertical	
7323	68.51	7.10	36.50	44.43	67.68	74.00	-6.32	Pk	Vertical	
7323	47.84	7.10	36.50	44.43	47.01	54.00	-6.99	AV	Vertical	
4882	70.32	5.21	35.66	44.20	66.99	74.00	-7.01	Pk	Horizontal	
4882	49.91	5.21	35.66	44.20	46.58	54.00	-7.42	AV	Horizontal	
7323	68.95	7.10	36.50	44.43	68.12	74.00	-5.88	Pk	Horizontal	
7323	46.21	7.10	36.50	44.43	45.38	54.00	-8.62	AV	Horizontal	
		Higl	h Channel (2480 MHz	:)(π/4-DQPS	SK) Above	1G			
4960	68.33	5.21	35.52	44.21	64.85	74.00	-9.15	Pk	Vertical	
4960	50.83	5.21	35.52	44.21	47.35	54.00	-6.65	AV	Vertical	
7440	69.06	7.10	36.53	44.60	68.09	74.00	-5.91	Pk	Vertical	
7440	50.56	7.10	36.53	44.60	49.59	54.00	-4.41	AV	Vertical	
4960	68.44	5.21	35.52	44.21	64.96	74.00	-9.04	Pk	Horizontal	
4960	47.75	5.21	35.52	44.21	44.27	54.00	-9.73	AV	Horizontal	
7440	70.76	7.10	36.53	44.60	69.79	74.00	-4.21	Pk	Horizontal	
7440	50.84	7.10	36.53	44.60	49.87	54.00	-4.13	AV	Horizontal	

Note:

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





Report No.: S23051204105001

EUT:	NewCube			0MHz and I No.:	1	N105					
Femperature:								48%			
•						,					
Fest Mode:		ode2/ Mode4 Test By: Mukzi Lee On modes have been tested, and the worst result was report as below:									
All the modul						ult was	s repoi	rt as bei	ow:		
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limi	its	Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV	//m)	(dB)	Туре		
			2Mb	ps(π/4-DQ	PSK)-Non-h	opping					
2310.00	69.2	2.97	27.80	43.80	56.17	74	Ļ	-17.83	Pk	Horizontal	
2310.00	45.42	2.97	27.80	43.80	32.39	54	Ļ	-21.61	AV	Horizontal	
2310.00	70.92	2.97	27.80	43.80	57.89	74	ļ.	-16.11	Pk	Vertical	
2310.00	46.88	2.97	27.80	43.80	33.85	54		-20.15	AV	Vertical	
2390.00	68.15	3.14	27.21	43.80	54.70	74	Ļ	-19.30	Pk	Vertical	
2390.00	46.54	3.14	27.21	43.80	33.09	54	Ļ	-20.91	AV	Vertical	
2390.00	68.26	3.14	27.21	43.80	54.81	74	Ļ	-19.19	Pk	Horizontal	
2390.00	45.77	3.14	27.21	43.80	32.32	54	Ļ	-21.68	AV	Horizontal	
2483.50	69.71	3.58	27.70	44.00	56.99	74	ļ.	-17.01	Pk	Vertical	
2483.50	46.93	3.58	27.70	44.00	34.21	54	Ļ	-19.79	AV	Vertical	
2483.50	68.33	3.58	27.70	44.00	55.61	74	Ļ	-18.39	Pk	Horizontal	
2483.50	45.96	3.58	27.70	44.00	33.24	54		-20.76	AV	Horizontal	
			21	/lbps(π/4-[QPSK)-hop	ping					
2310.00	68.47	2.97	27.80	43.80	55.44	74	Ļ	-18.56	Pk	Horizontal	
2310.00	49.11	2.97	27.80	43.80	36.08	54	Ļ	-17.92	AV	Horizontal	
2310.00	70.79	2.97	27.80	43.80	57.76	74	-	-16.24	Pk	Vertical	
2310.00	47.99	2.97	27.80	43.80	34.96	54		-19.04	AV	Vertical	
2390.00	70.74	3.14	27.21	43.80	57.29	74	-	-16.71	Pk	Vertical	
2390.00	47.2	3.14	27.21	43.80	33.75	54	-	-20.25	AV	Vertical	
2390.00	68.71	3.14	27.21	43.80	55.26	74		-18.74	Pk	Horizontal	
2390.00	46.32	3.14	27.21	43.80	32.87	54		-21.13	AV	Horizontal	
2483.50	68.8	3.58	27.70	44.00	56.08	74	-	-17.92	Pk	Vertical	
2483.50	49.28	3.58	27.70	44.00	36.56	54		-17.44	AV	Vertical	
2483.50	69.59	3.58	27.70	44.00	56.87	74		-17.13	Pk	Horizontal	
2483.50	45.84	3.58	27.70	44.00	33.12	54		-20.88	AV	Horizontal	

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





EUT: NewCube Mini PC				Model No.:			N105					
Temperature: 20 ℃				Relative Humidity:			48%					
Test Mode: Mode2 / Mode3 / Mode4				Test By:			Mukzi Lee					
All the modulation modes have been tested, a					and th	e worst res	ult wa	is rep	ort as bel	low:		
Frequency		eamp actor	Emission Level Lim		Limits Margin		Detector	Comment				
(MHz)	(dBµV)	(dB)	dB/m	(dB)		(dBµV/m)	(dBµ	ıV/m)	(dB)	Туре		
3260	68.48	4.04	29.57	44.70		57.39	7	'4	-16.61	Pk	Vertical	
3260	48.39	4.04	29.57	44.70		37.30	54		-16.70	AV	Vertical	
3260	69.67	4.04	29.57	44.70		58.58	74		-15.42	Pk	Horizontal	
3260	48.82	4.04	29.57	44.70		37.73	54		-16.27	AV	Horizontal	
3332	69.86	4.26	29.87	4	4.40	59.59	74		-14.41	Pk	Vertical	
3332	48.66	4.26	29.87	4	4.40	38.39	54		-15.61	AV	Vertical	
3332	70.51	4.26	29.87	4	4.40	60.24		'4	-13.76	Pk	Horizontal	
3332	49.46	4.26	29.87	4	4.40	39.19	39.19 54		-14.81	AV	Horizontal	
17797	58.65	10.99	43.95	43.50		70.09	70.09 74		-3.91	Pk	Vertical	
17797	39.62	10.99	43.95	43	3.50	51.06	54		-2.94	AV	Vertical	
17788	59.89	11.81	43.69	4	4.60	70.79	74		-3.21	Pk	Horizontal	
17788	37.46	11.81	43.69	4	4.60	48.36	54		-5.64	AV	Horizontal	

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 \geq RBW Sweep = auto Detector function = peak Trace = max hold

7.3.6 Test Results

EUT:	NewCube Mini PC	Model No.:	N105
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Mukzi Lee





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.

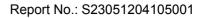
7.4.5 Test Procedure

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 \geq RBW Sweep = auto Detector function = peak Trace = max hold

7.4.6 Test Results

EUT:	NewCube Mini PC	Model No.:	N105
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee





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.

Certificate #4298.01

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:	NewCube Mini PC	Model No.:	N105
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

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 (0.4×79) (s), Hops Over Occupancy Time comes to $(1600 / 6 / 79) \times (0.4 \times 79) = 106.67$ hops.
- 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 x 20) (s), Hops Over Occupancy Time comes to (800 / 6 / 20) x (0.4 x 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:	NewCube Mini PC	Model No.:	N105
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee





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:	NewCube Mini PC	Model No.:	N105
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee





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 §15.209(a) (see §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:	NewCube Mini PC	Model No.:	N105
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	Mukzi Lee





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.

7.10.2 Result

The EUT antenna is permanent attached PIFA antenna (Gain: 2.23 dBi). 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.

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

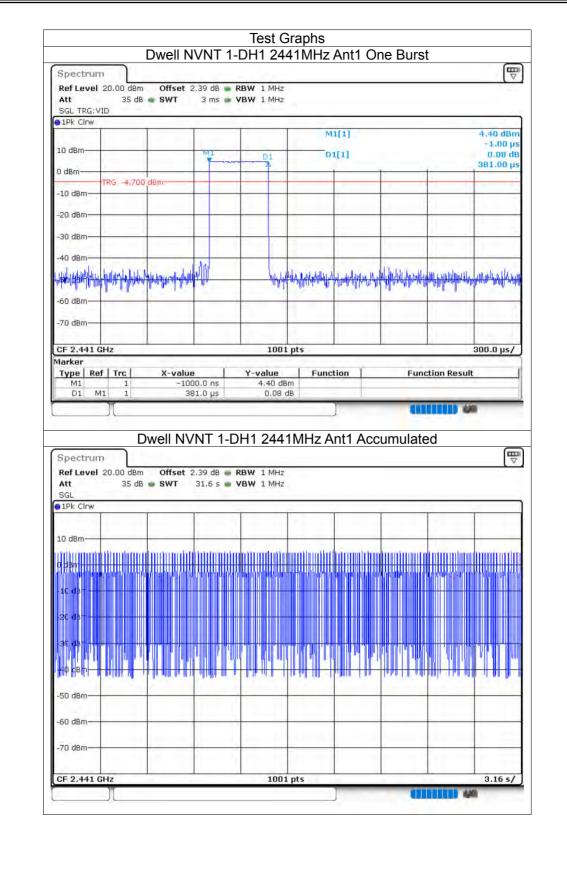
8.1 **DWELL TIME**

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.381	81.915	215	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.635	212.55	130	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.888	254.144	88	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.387	82.818	214	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.64	221.4	135	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.888	233.928	81	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.39	84.24	216	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.64	218.12	133	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.888	254.144	88	31600	400	Pass

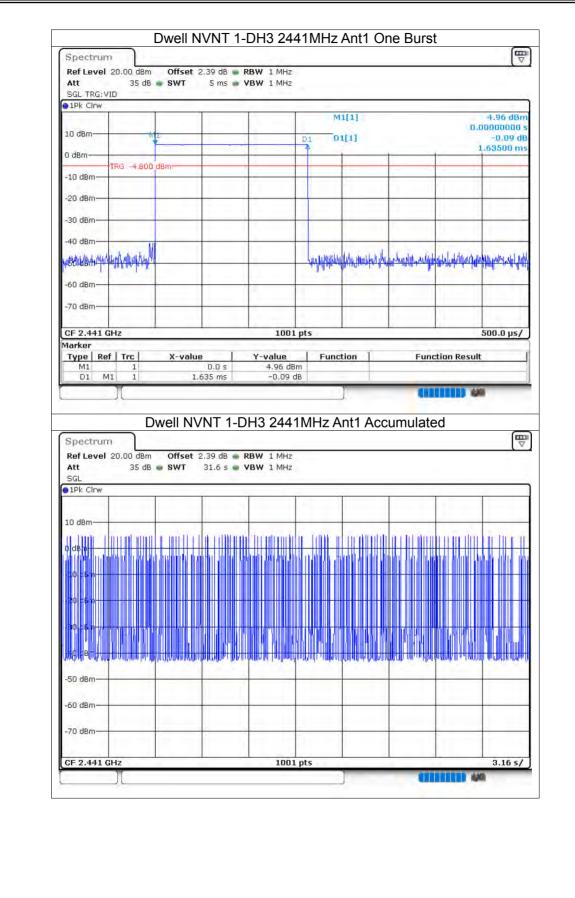


ACCREDITED Certificate #4298.01

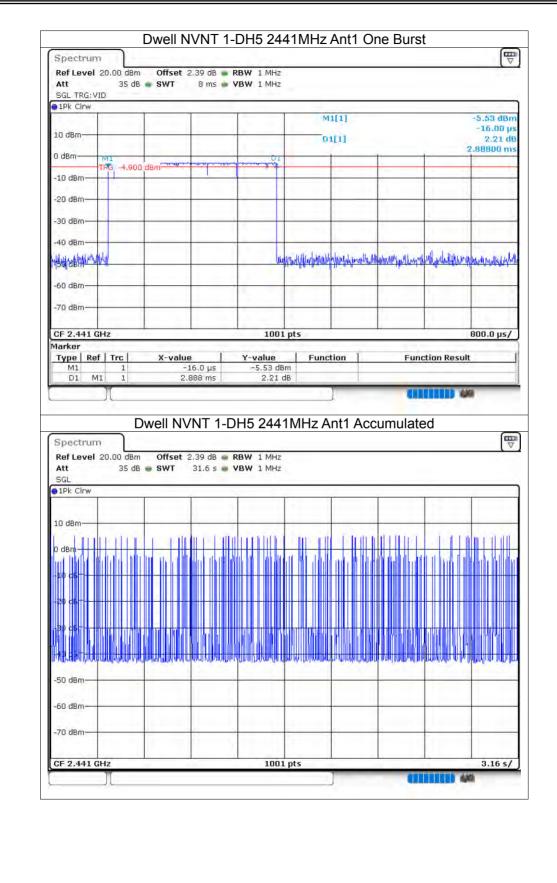
Report No.: S23051204105001



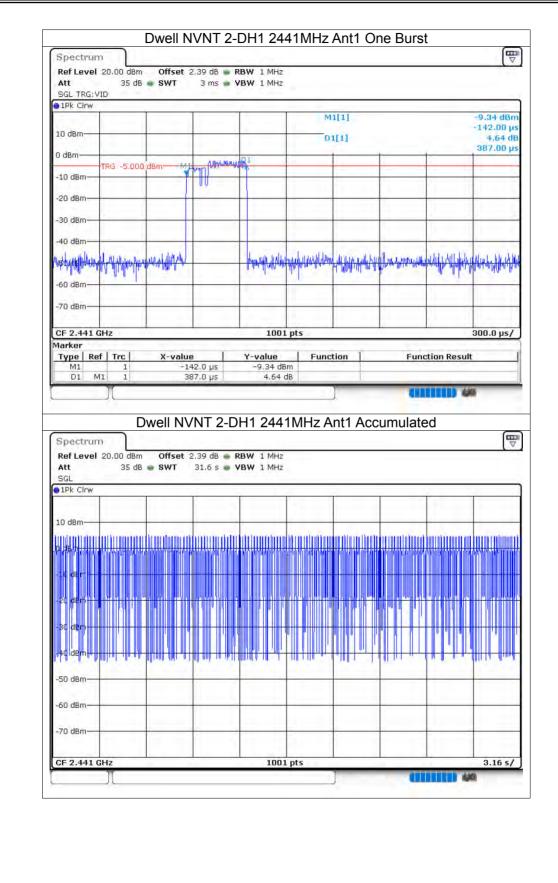




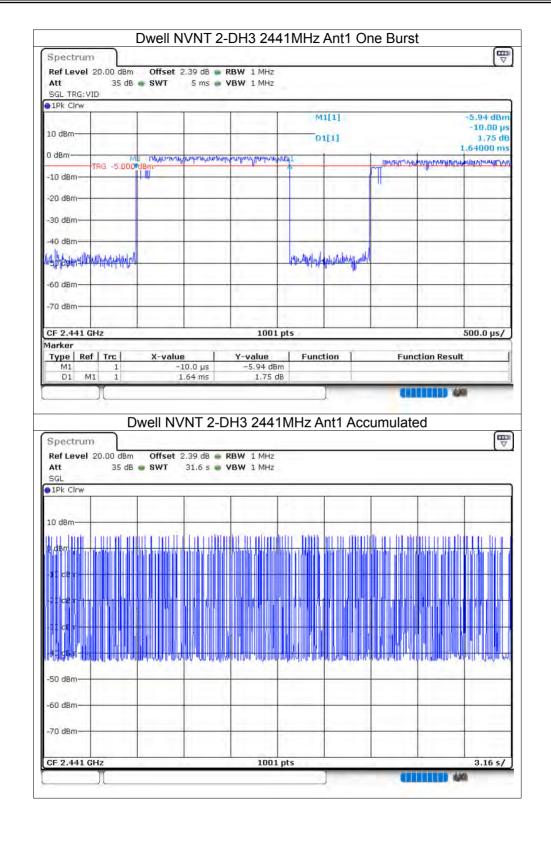




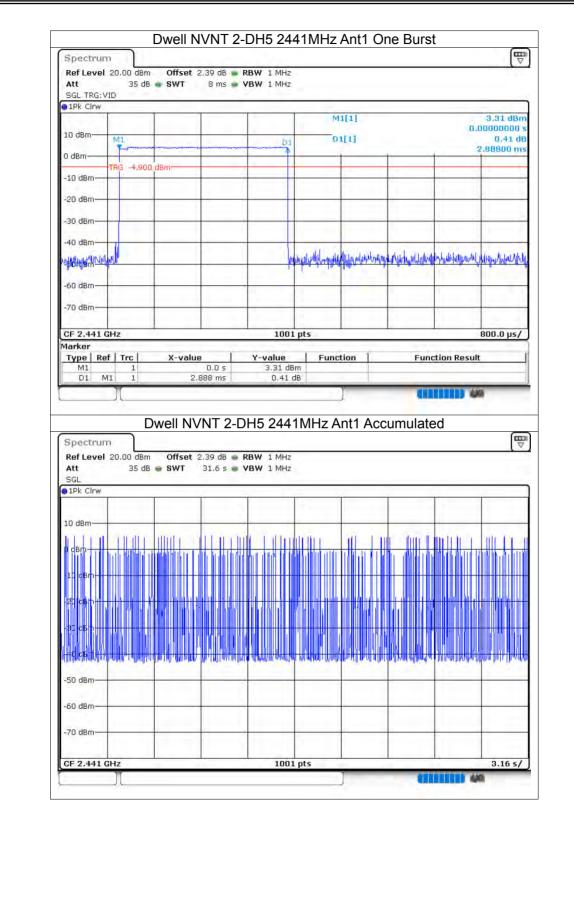




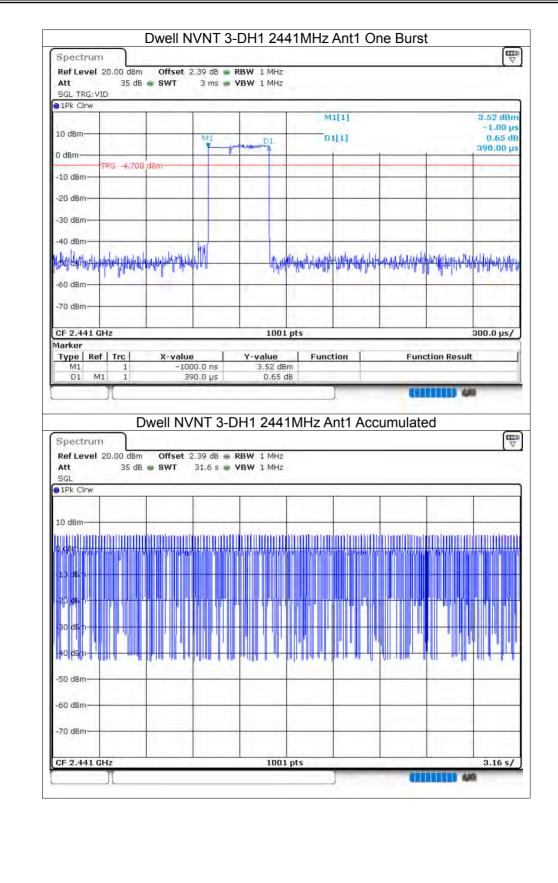




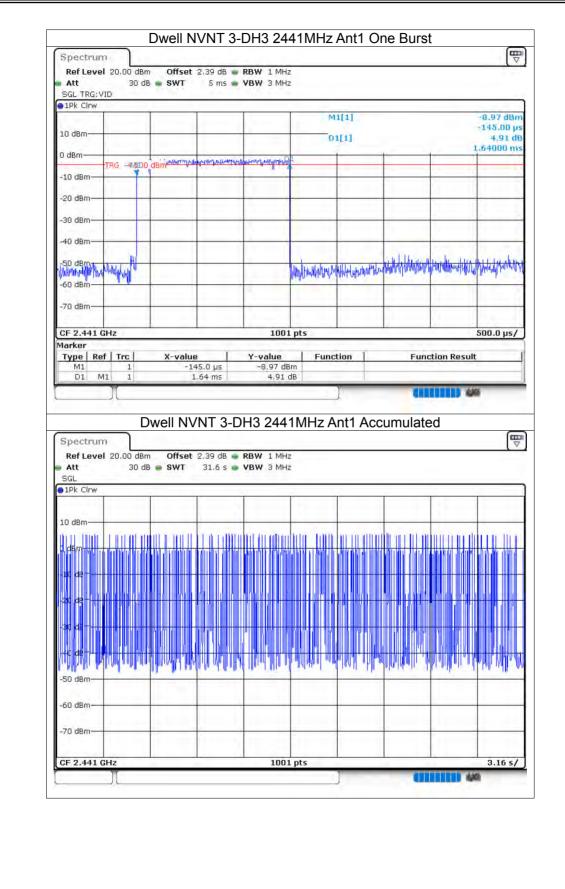




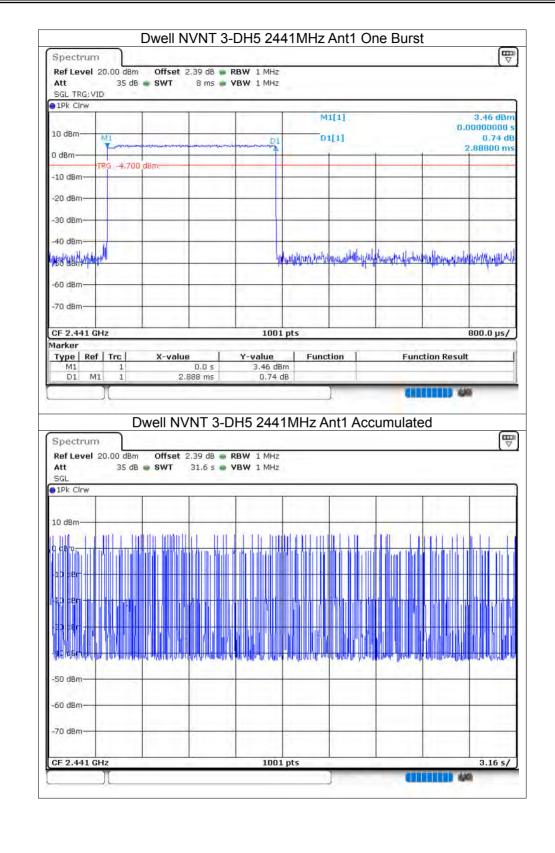




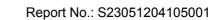












8.2 MAXIMUM CONDUCTED OUTPUT POWER

ilac-M

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	5.04	21	Pass
NVNT	1-DH5	2441	Ant1	4.81	21	Pass
NVNT	1-DH5	2480	Ant1	4.92	21	Pass
NVNT	2-DH5	2402	Ant1	5.42	21	Pass
NVNT	2-DH5	2441	Ant1	5.35	21	Pass
NVNT	2-DH5	2480	Ant1	5.34	21	Pass
NVNT	3-DH5	2402	Ant1	5.41	21	Pass
NVNT	3-DH5	2441	Ant1	5.38	21	Pass
NVNT	3-DH5	2480	Ant1	5.35	21	Pass

Certificate #4298.01





Spectrum		ower NVI						(H
Ref Level 20.00 dB		2.38 dB 🖷 RB 1 ms 🖷 VB		Mode A	uto Sweep			
• 1Pk Max		1		1				
					M1[1]		2,402	5.04 dBi 01000 GH
10 dBm				1		1		
0 dBm	1							
-10 dBm			-	-		-		
-20 dBm		-	-	-	-	-		
							1	
-30 dBm								
-40 dBm	-		-					
-50 dBm								
							i	
-60 dBm-			£					
-70 dBm			-		-			
							· · · ·	-
CF 2.402 GHz								
Spectrum		ower NVI	NT 1-D	i pts H5 244) 1MHz A	Ant1	Spa	
Spectrum Ref Level 20.00 dB Att 35 d	m Offset 2		NT 1-D W 2 MHz	H5 244			Spa	
Spectrum Ref Level 20.00 dB	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	H5 244			Spa	
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	H5 244 Mode A				4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 • 1Pk Max 10 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	H5 244	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm 0 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 • 1Pk Max 10 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm 0 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4.81 dBi
Spectrum Ref Level 20.00 dB Att 35 (SGL Count 100/100 1Pk Max 10 dBm 10 dBm 20 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 • 1Pk Max 10 dBm 0 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 (SGL Count 100/100 1Pk Max 10 dBm 10 dBm 20 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm 10 dBm 10 dBm -20 dBm -30 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 0 SGL Count 100/100 IPk Max 10 dBm 0 dBm 10 dBm -20 dBm -30 dBm -40 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 1000/100 1Pk Max 10 dBm 10 dBm 10 dBm -20 dBm -30 dBm -40 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 dB Att 35 0 SGL Count 100/100 IPk Max 10 dBm 0 dBm 10 dBm -20 dBm -30 dBm -40 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D W 2 MHz	Mode A	uto Sweep			4,81 dBi
Spectrum Ref Level 20.00 de Att 35 o SGL Count 100/100 1Pk Max 10 dBm 10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -60 dBm	m Offset 2	2.39 dB 💼 RB	NT 1-D w 2 MHz w 2 MHz	Mode A	uto Sweep		2.441	4,81 dBi





Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max		.42 dB 💼 RBW 1 ms 💼 YBW		Mode Auto	Sweep			[
IPK Max	1	T T		MI	[1]			4,92 dB
10 dBm-				-	/	r	2.475	81020 G
10 dbill			M1	-				11
0 dBm								
10 dBm								
-10 dBm-								
-20 dBm	-	-				-		
5.2								
-30 dBm-								
-40 dBm				_				
-50 dBm								
-60 dBm	-			_	_	-	-	-
-70 dBm			-				<u></u>	· · · · · · · · · · · · · · · · · · ·
1						1.	1	
							Spa	n 5.0 MH
Spectrum Ref Level 20.00 dBr Att 35 dB	Offset 2	OWER NVN	2 MHz	15 2402		nt1		
	Offset 2	.38 dB 💼 RBW	T 2-DH	15 2402 Mode Auto		nt1		[
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 • 1Pk Max	Offset 2	.38 dB 💼 RBW	T 2-DH	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100	Offset 2	.38 dB 💼 RBW	T 2-DH	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 • 1Pk Max	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dE SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 • 1Pk Max 10 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dE SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dE SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 9 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 9 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 • IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	15 2402 Mode Auto	Sweep	nt1		5,42 dB
Spectrum Ref Level 20.00 dBm Att 35 dE SGL Count 100/100 • IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH	IS 2402 Mode Auto	Sweep	nt1	2.401	5.42 dB 85060 G
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 • IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	Offset 2	.38 dB 💼 RBW	T 2-DH 2 MHz 2 MHz 2 MHz	IS 2402 Mode Auto	Sweep		2.401	5.42 de 85060 G





	HTSet 2.39 dB ■ RBW 2 MH WT 1 ms ■ VBW 2 MH			₩ V
		M1[1]	7	5,35 dBm 44107790 GHz
10 dBm		MI	1	
D dBm				
-10 dBm				_
-20 dBm				
-20 ubm				
-30 dBm-				
-40 dBm			-	
-50 dBm				_
-60 dBm				
-70 dBm				
Spectrum Ref Level 20.00 dBm O Att 35 dB S	10 Power NVNT 2-	z		Span 6.5 MHz
	Power NVNT 2-	DH5 2480MHz A	Ant1	(T
Spectrum Ref Level 20.00 dBm O Att 35 dB S SGL Count 100/100 1Pk Max	Power NVNT 2-	DH5 2480MHz A	Ant1	600
Spectrum Ref Level 20.00 dBm O Att 35 dB S SGL Count 100/100 1Pk Max 10 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm O Att 35 dB S SGL Count 100/100 1Pk Max	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm O Att 35 dB S SGL Count 100/100 1Pk Max 10 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm O Att 35 dB S SGL Count 100/100 1Pk Max 10 dBm -10 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm O Att 35 dB S SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm 0 Att 35 dB S SGL Count 100/100 100/100 1Pk Max 0 0 dBm 0 -10 dBm 0 -20 dBm -30 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm O Att 35 dB S SGL Count 100/100 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm 0 Att 35 dB S SGL Count 100/100 100 1Pk Max 10 dBm 0 dBm -10 dBm -10 dBm -30 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 d8m 0 Att 35 d8 S SGL Count 100/100 1Pk Max 10 d8m -10 d8m -20 d8m -30 d8m -40 d8m -50 d8m	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm O Att 35 dB S SGL Count 100/100 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm
Spectrum Ref Level 20.00 dBm 0 Att 35 dB S SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm60 dBm	Power NVNT 2-	DH5 2480MHz A	Ant1	5.34 dBm





Ref Level Att SGL Count			.38 dB 🍙 RB 1 ms 🛖 VB	W 2 MHz W 2 MHz 1	Mode Auto	Sweep			
отрк мах			1		M1[[1]		-	5,41 dBr
10 dBm					1	-		2.40	192860 GH
				MI					
0 dBm		-		-			-		
-10 dBm									
10 dom						_			- man
-20 dBm	1	-			-			1	-
-30 dBm								1	
Se abin	1				_			1 1 1 1	
-40 dBm—				-	-			-	1
-50 dBm									
as and									
-60 dBm				-			-	1	-
-70 dBm									
			1						
CF 2.402	GHz		<u> </u>	1001 p	ots		-	Sp	an 6.5 MHz
		Po	wer NV	NT 3-DH	5 24411	MHz Ar	nt1		
Spectrur	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB				nt1		
Spectrur Ref Level Att	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz	Mode Auto	Sweep	nt1		
Spectrur Ref Level Att SGL Count 1Pk Max	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz		Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Count	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz	Mode Auto	Sweep	<u>nt1</u>	2.44	5,38 dBr
Spectrur Ref Level Att SGL Count 1Pk Max	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2,44	5,38 dBr
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Couni 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm- -10 dBm-	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Couni 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2,44	5,38 dBr
Spectrur Ref Level Att SGL Count 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5.38 dBr
Spectrur Ref Level Att SGL Count I Count I Count I Count I Count I Count SGL Count I C	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrur Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 35 dB	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep	nt1	2.44	5,38 dBr
Spectrum Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm	20.00 dBm 35 dB t 100/100	Offset 2	.39 dB 🐞 RB	W 2 MHz 1	Mode Auto	Sweep	nt1		5,38 dBr
Spectrur Ref Level Att SGL Count I Count I Count I Count I Count I Count SGL Count I C	20.00 dBm 35 dB t 100/100	Offset 2	.39 dB 🐞 RB	W 2 MHz W 2 MHz r	Mode Auto	Sweep			5.38 dBr





Spectrum)						
Ref Level 20.0 Att SGL Count 100/	35 dB SWT	2.42 dB 🐞 RBW 1 ms 🛖 VBW		de Auto Sweep			
1Pk Max		100 DO	2				
				M1[1]			5.35 dBm 7010 GHz
10 dBm			MI		f f		
0 dBm			_				
-10 dBm			-				
-20 dBm							made
6							
-30 dBm		1					
-40 dBm	-	-					
-50 dBm							
-60 dBm							
-70 dBm							
CF 2.48 GHz	<i><i>w</i></i>	1	1001 pts			Span	6.5 MHz





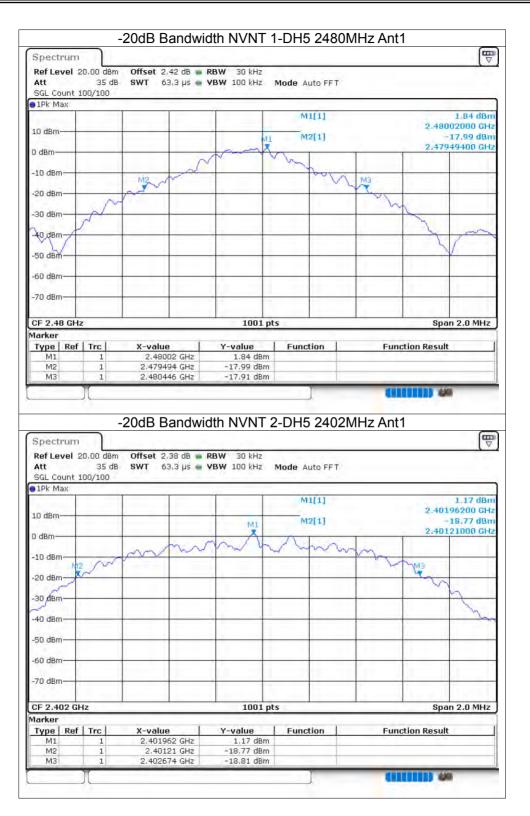
8.3 -20DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.952	Pass
NVNT	1-DH5	2441	Ant1	0.95	Pass
NVNT	1-DH5	2480	Ant1	0.952	Pass
NVNT	2-DH5	2402	Ant1	1.464	Pass
NVNT	2-DH5	2441	Ant1	1.466	Pass
NVNT	2-DH5	2480	Ant1	1.506	Pass
NVNT	3-DH5	2402	Ant1	1.514	Pass
NVNT	3-DH5	2441	Ant1	1.544	Pass
NVNT	3-DH5	2480	Ant1	1.614	Pass

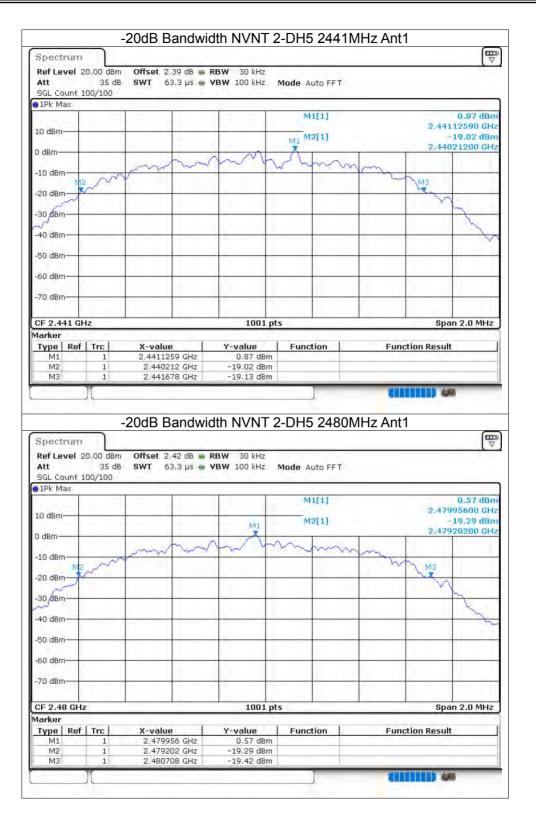




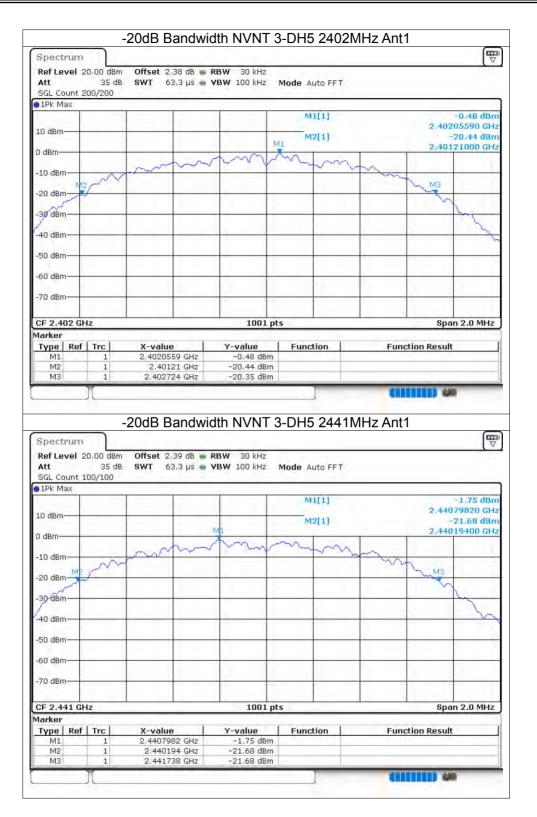




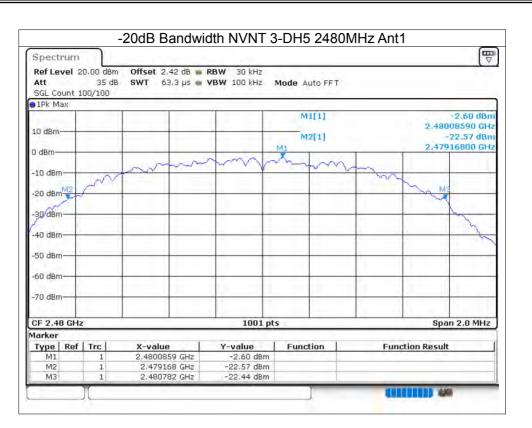












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8.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.873
NVNT	1-DH5	2441	Ant1	0.875
NVNT	1-DH5	2480	Ant1	0.871
NVNT	2-DH5	2402	Ant1	1.365
NVNT	2-DH5	2441	Ant1	1.357
NVNT	2-DH5	2480	Ant1	1.351
NVNT	3-DH5	2402	Ant1	1.353
NVNT	3-DH5	2441	Ant1	1.351
NVNT	3-DH5	2480	Ant1	1.353













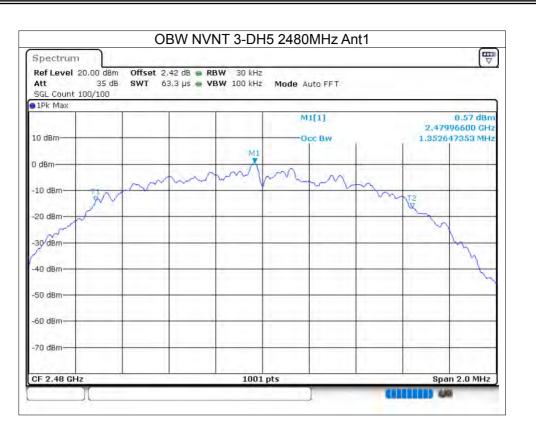
















8.5 **CARRIER FREQUENCIES SEPARATION**

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.018	2403.018	1	0.635	Pass
NVNT	1-DH5	Ant1	2440.962	2441.976	1.014	0.633	Pass
NVNT	1-DH5	Ant1	2478.936	2479.934	0.998	0.635	Pass
NVNT	2-DH5	Ant1	2402.12	2403.122	1.002	0.976	Pass
NVNT	2-DH5	Ant1	2440.97	2441.96	0.99	0.977	Pass
NVNT	2-DH5	Ant1	2478.964	2479.971	1.007	1.004	Pass
NVNT	3-DH5	Ant1	2401.964	2403.06	1.096	1.009	Pass
NVNT	3-DH5	Ant1	2440.959	2442.128	1.169	1.029	Pass
NVNT	3-DH5	Ant1	2478.93	2480.122	1.192	1.076	Pass







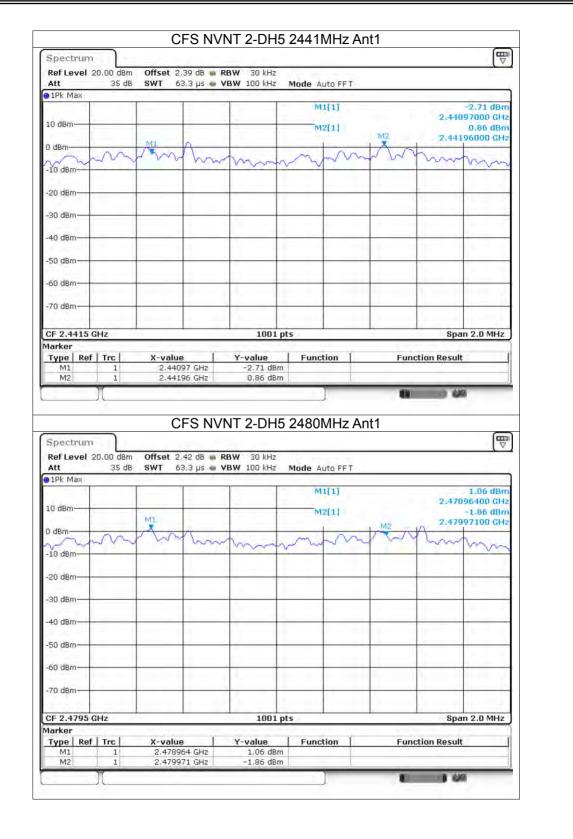






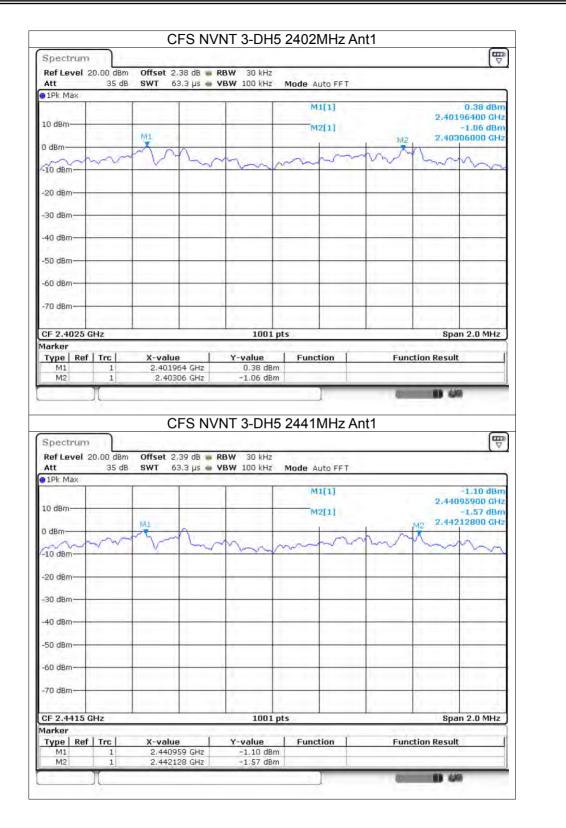
















Spectrum			and i	100			ſ	V
Ref Level 2	0.00 dBm	Offset	2.42 dB 🝺	RBW 30 kHz				-
Att	35 dB	SWT	63,3 µs 🕳	YBW 100 kHz	Mode Auto FFT			
1Pk Max	-	_						
			-		M1[1]		0.20 dE	
10 dBm-		-			PARTE 1		2.47893000 G	
		MI			M2[1]		M2 2,48012200 G	
D dBm		1 million	-		-	-	K I	-
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1.000								
-20 dBm		-	-	1				-
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-30 dBm		-						1
10.10								
-40 dBm								
50 dBm								
30 GBII								
60 dBm		_						
				1.4.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the second set of the second	
70 dBm	_	-	-					4
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CF 2.4795 G	Hz	4		1001 pt	s		Span 2.0 MH	z
larker		-						
Type Ref	Trc	X-val	ue	Y-value	Function	Fund	tion Result	
M1	1		7893 GHz	0.20 dBm				
M2	1	2.480	0122 GHz	1.20 dBm				-

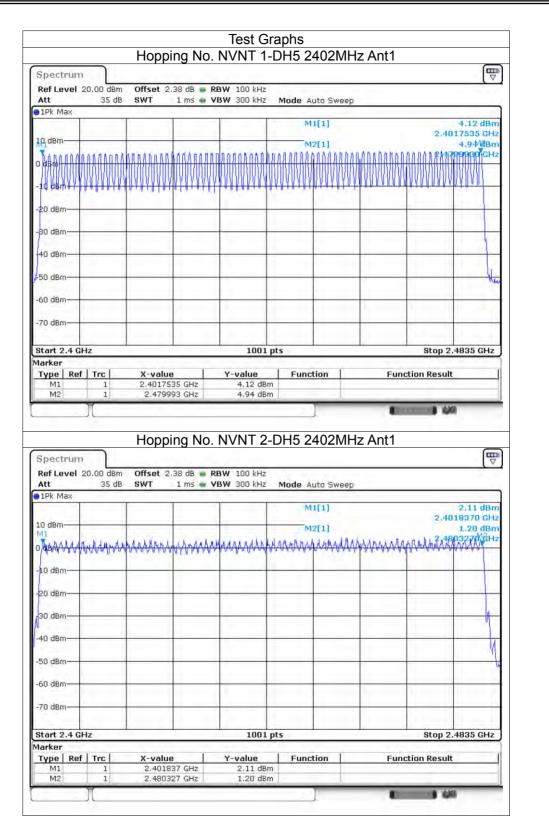




8.6 NUMBER OF HOPPING CHANNEL

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass







Certificate #4298.01

Spectrum				1000					E □
Ref Level 2	0.00 de	m Offset 2	38 dB 🐞	RBW 100 kHz	1.0				
Att	35 (dB SWT	1 ms 🖷	VBW 300 kHz	Mode A	uto Swee	p		
1Pk Max		and the second s							
	_	1		· · · · · · · · · · · · · · · · · · ·	M	1[1]			0.96 dBm
a 187			-					2.40	16700 GHz
0 dBm						2[1]			0.97 dBm
Thorna	1	a . His al All	herenal	1 day there is	and and de	and day	a data white a data	MAANA 2038	Q44AS GHZ
Jale Warth	Haylorth	where have	www.	www.	P. C. W.	Rhan Are	ALL ALL ALLAND	4849084va	A ANTAL
10 dBm		-							
1 - T - 1									
20 dBm		-		-		-			-
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30 dBm								1.	4
				1 million - 1		J	4 4 4	p	
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50 dBm								-	1
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50 dBm				1					
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		the second second	1	1		1.000		A DOTTING	Marian Maria
Start 2.4 GH	-	1		1001 p	te		-	Ptop 2	.4835 GHz
	2		_	1001	JIS	_		atop 2	.4033 GHZ
arker		4275.40		44.004.000	1		1400		
Type Ref		X-value		Y-value	Func	tion	Fun	ction Result	
M1 M2	1	2.401	67 GHz	0.96 dBm 0.97 dBm					
M2	L 1	2,48041	US GHZ	0.97 dBm	1				

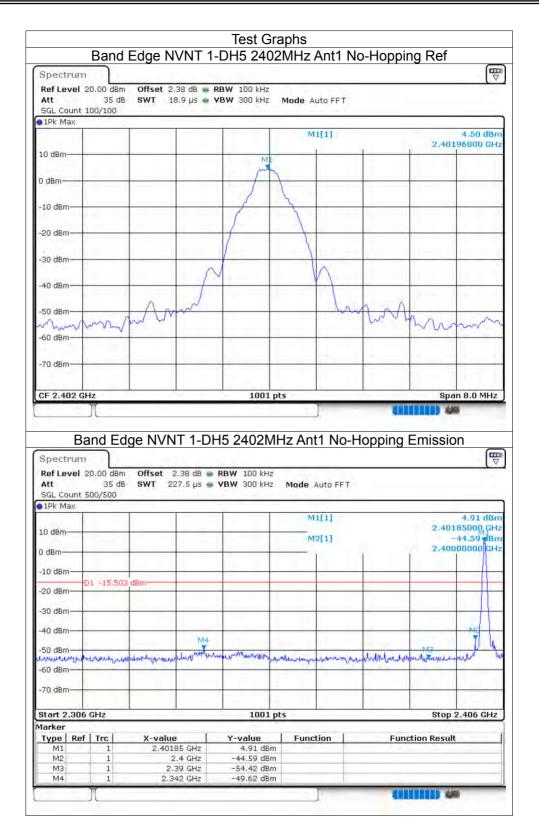




8.7 BAND EDGE

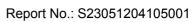
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.11	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-57.07	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.22	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.66	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-54.7	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-58.24	-20	Pass







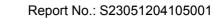
Spectru	m	Ŭ					-Hoppir	J	E
	1 20.00 dBm			3W 100 kHz 3W 300 kHz	Mode A	uto FFT			
SGL Coun	t 100/100	5,13		11.000-000	higad hi				
1Pk Max	r	-	-	i i					1.01.10
					M	1[1]		2.479	4,84 dBr 96000 GH
LO dBm	· · · · ·			M	-	-			
	1.2			~	5	11111			
) dBm					1		-		
10 dBm-				1	1				
TO GBII	-		-	1	1				
20 dBm-	-			1-		-			
				/	1				
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60 dBm-	1 2 1 2 1 2					_			
	_								
70 dBm—	1	-				-			
					1.1				
	Band Ed	ge NVN	IT 1-DH	1001 5 2480N		:1 No-H	opping l		
E	Cand Ed			5 2480N	1Hz Ant] :1 No-H	opping l		1
E Spectrui Ref Level Att	Band Ed	Offset	2.42 dB 🝙 🖡		1Hz Ant	1 No-H	opping l		n
E Spectrui Ref Level Att SGL Coun	Band Ed	Offset	2.42 dB 🝙 🖡	5 2480N	1Hz Ant		opping I		n
E Spectrui Ref Level Att	Band Ed	Offset	2.42 dB 🝙 🖡	5 2480N	1Hz Ant	Auto FFT.	opping I		n
E Spectrui Ref Level Att SGL Coun	Band Ed	Offset	2.42 dB 🝙 🖡	5 2480N	1Hz Ant Mode /	Auto FFT.	opping l	Emissio	1.23 dBr 95000 GH
E Spectrui Ref Level Att SGL Coun 1Pk Max 10;dgm—	Band Ed	Offset	2.42 dB 🝙 🖡	5 2480N	1Hz Ant Mode /	Auto FFT.	opping l	Emissio	4.23 dB/ 95000 GH 54.99 dBr
E Spectrui Ref Level Att SGL Coun 11Pk Max	Band Ed	Offset	2.42 dB 🝙 🖡	5 2480N	1Hz Ant Mode /	Auto FFT.	opping I	Emissio	1.23 dBr 95000 GH
E Spectrui Ref Level Att SGL Coun 1Pk Max 10;dgm—	Band Ed m I 20.00 dBm 35 dB t 100/100	Offset 2 SWT 2	2.42 dB 🝙 🖡	5 2480N	1Hz Ant Mode /	Auto FFT.	opping I	Emissio	4.23 dB/ 95000 GH 54.99 dBr
E Spectrui Ref Level Att SGL Coun 1Pk Max 1D,d&m	Band Ed	Offset 2 SWT 2	2.42 dB 🝙 🖡	5 2480N	1Hz Ant Mode /	Auto FFT.	opping I	Emissio	4.23 dB/ 95000 GH 54.99 dBr
E Spectrui Ref Level Att SGL Coun 1Pk Max 10pdBm- 10pdBm- 10pdBm- 20 cBm-	Band Ed m I 20.00 dBm 35 dB t 100/100	Offset 2 SWT 2	2.42 dB 🝙 🖡	5 2480N	1Hz Ant Mode /	Auto FFT.	opping I	Emissio	4.23 dB/ 95000 GH 54.99 dBr
E Spectrur Ref Level Att SGL Coun 11Pk Max 101dBm- 10 dBm- 10 dBm- 30 dBm- 30 dBm-	Band Ed m I 20.00 dBm 35 dB t 100/100	Offset 2 SWT 2	2.42 dB 🝙 🖡	5 2480N	1Hz Ant Mode /	Auto FFT.	opping I	Emissio	4.23 dB/ 95000 GH 54.99 dBr
E Spectrui Ref Level Att SGL Coun 1Pk Max 10,d8m- 10,d8m- 30 d8m- 30 d8m- 30 d8m-	Band Ed m 1 20.00 dBm 35 dB t 100/100	Offset 2 SWT 2	2.42 dB 🖷 F	5 2480N	1Hz Ant Mode /	Auto FFT.	opping	Emissio	4.23 dB/ 95000 GH 54.99 dBr
E Spectrur Ref Level Att SGL Coun 11Pk Max 101dBm- 10 dBm- 10 dBm- 30 dBm- 30 dBm-	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -15,159 M4	Offset : SWT 2	2.42 dB F	5 2480M	1Hz Ant	Auto FFT.		2.479 2.483	n 4.23 dBr 95000 GH 54.99 dBr 50000 GH
E Spectrui Ref Level Att SGL Coun 1Pk Max 10,d8m- 10,d8m- 30 d8m- 30 d8m- 30 d8m-	Band Ed m 1 20.00 dBm 35 dB t 100/100	Offset 2 SWT 2	2.42 dB F	5 2480N	1Hz Ant	Auto FFT.		2.479 2.483	4.23 dB/ 95000 GH 54.99 dBr
E Spectrui Ref Level Att SGL Coun 1Pk Max 10/d8m- 20 d8m- 30 d8m- 30 d8m- 40 d8m- 50 d	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -15,159 M4	Offset : SWT 2	2.42 dB F	5 2480M	1Hz Ant	Auto FFT.		2.479 2.483	n 4.23 dBr 95000 GH 54.99 dBr 50000 GH
E Spectrur Ref Level Att SGL Coun 1Pk Max 10/dBm- 20 dBm- 30 d	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -15,159 M4	Offset : SWT 2	2.42 dB F	5 2480M	1Hz Ant	Auto FFT.		2.479 2.483	n 4.23 dBr 95000 GH 54.99 dBr 50000 GH
E Spectrur Ref Level Att SGL Coun 1Pk Max 10,dBm- 20 dBm- 30 dBm- 30 dBm- 50 d	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -15,158	Offset : SWT 2	2.42 dB F	5 2480N	1Hz Ani	Auto FFT.		2.479 2.483	n +.23 dBr 95000 GH 54.99 dBr 50000 GH
E Spectrui Ref Level Att SGL Coun 1Pk Max 10/d8m- 20 d8m- 30 d8m- 30 d8m- 40 d8m- 50 d	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -15,158	Offset : SWT 2	2.42 dB F	5 2480M	1Hz Ani	Auto FFT.		2.479 2.483	n 4.23 dBr 95000 GH 54.99 dBr 50000 GH
E Spectrum Ref Level Att SGL Coun 1Pk Max 10pdBm- 20 dBm- 20 dBm- 30 dBm- 30 dBm- 50 dBm- 50 dBm- 70 d	Band Ed m 1 20.00 dBm 35 dB t 100/100 01 -15,158 01 -15,158 M4 Autumum 76 GHz ef [Trc]	Offset : SWT 2 dBm dBm Al2 Markey Alas X-value	2.42 dB F 27.5 μs V	5 2480N	1Hz An1	Auto FFT 1[1] 2[1]	er Mr ^a e rouge	2.479 2.483	ח 4,23 dBr 95000 GH 54,99 dBr 50000 GH
E Spectrui Ref Level Att SGL Coun 1Pk Max 10,dBm- 20 dBm- 30 dBm- 30 dBm- 30 dBm- 40 dBm- 50 dBm- 50 dBm- 50 dBm- 50 dBm- 50 dBm- 51 d	Band Ed m I 20.00 dBm 35 dB t 100/100 D1 -15,158 M4 M4 Autuuluuuuuuu 76 GHz ef [Trc] 1	Offset : SWT 2 dBm 642 hpdr.v.y.br.4.yt X-value 2.479	2.42 dB F 27.5 μs F 27.5	5 2480N	1Hz An1	Auto FFT 1[1] 2[1]	er Mr ^a e rouge	Emissio 2.479 2.483	ח 4,23 dBr 95000 GH 54,99 dBr 50000 GH
E Spectrum Ref Level Att SGL Coun 1Pk Max 10pdBm- 20 dBm- 20 dBm- 30 dBm- 30 dBm- 50 dBm- 50 dBm- 70 d	Band Ed m 1 20.00 dBm 35 dB t 100/100 01 -15,158 01 -15,158 M4 Autumum 76 GHz ef [Trc]	Offset : SWT 2 dBm 642 hoft-4,04-44 hoft-4,04-44 c X-value 2.479 2.489 2.479	2.42 dB F 27.5 μs V	5 2480N	1Hz An1	Auto FFT 1[1] 2[1]	er Mr ^a e rouge	Emissio 2.479 2.483	ח 4,23 dBr 95000 GH 54,99 dBr 50000 GH



el 20.00 dBm Offset 2.38 dB e RBW 100 kHz 35 dB SWT 18.9 µs e YBW 300 kHz Mode Auto FFT nt 100/100	Ref Level 20.00 dBm Offset 2.38 dB - RBW 100 kHz	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 μs VBW 300 kHz Mode Auto FFT SGL Count 100/100 5	Ref Level 20.00 dBm Offset 2.38 dB 🖷 RBW 100 kHz		Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref	C	Band E	Edge N	VNT 2-[DH5 240	2MHz A	Ant1 No	-Hoppir	ng Ref	G
35 dB SWT 18.9 µš • YBW 300 kHz Mode Auto FFT ht 100/100 M1[1] 3.84 dB 2.40196000 G	Att 35 dB SWT 18.9 μs - VBW 300 kHz Mode Auto FFT SGL Count 100/100	Att 35 dB SWT 18.9 μs - VBW 300 kHz Mode Auto FFT SGL Count 100/100			Spectrum	Spectrum Ref Level 20	LOD dBm	Offset 2	38 dB 💼 RF	W 100 kHz					Ľ
MI[1] 3.84 dB 2.40196000 G			SGL Count 100/100			Att	35 dB				Mode Au	uto FFT			
2,40196000 G	M1[1]			Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT		1			()					0.04.40
				Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 μs VBW 300 kHz Mode Auto FFT SGL Count 100/100 •••	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 100 kHz Mode Auto FFT 100 kHz 10						M.	u[1]		2,401	
			M1[1] 3.84 d 2.40196000 0	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz Mode Auto FFT SGL Count 100/100 0<	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz Mode Auto FFT SGL Count 100/100 0<	TO UBIN			i = 1	MI					
	10 dBm	10 dBm	M1[1] 3.84 d 2.40196000 0	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 0 0 19k Max 0 2.40196000 2.40196000 10 dBm 0 0 0 0 0 0 0	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 Mi[1] 3.8 10 dBm 2.4019600	0 dBm		_		mart	may				
	10 dBm	10 dBm	10 dBm	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 Image: Second Seco	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz Mode Auto FFT SGL Count 100/100 9 19k Max M1[1] 3.8 10 dBm M1 7 100 100	-10 dBm				1	1		_		
	10 dBm	10 dBm	10 dBm- 0 dBm-	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 0 0 10 dBm 0 <td< td=""><td>Ref Level 20.00 dBm Offset 2.38 B RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz Mode Auto FFT SGL Count 100/100 Image: Second Second</td><td>20 dBm</td><td></td><td></td><td>1</td><td></td><td>5</td><td></td><td></td><td></td><td></td></td<>	Ref Level 20.00 dBm Offset 2.38 B RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz Mode Auto FFT SGL Count 100/100 Image: Second	20 dBm			1		5				
	10 dBm	10 dBm	MI[1] 3.84 d 10 dBm 2.40196000 c 0 dBm	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 3.84 I Image: Count 100/100 Image: Count 100/100 3.84 I Image: Count 100/100 Image: Count 100/100 3.84 I Image: Count 100/100 Image: Count 100/100 3.84 I Image: Count 100/100 Image: Count 100/100 3.84 I Image: Count 100/100 Image: Count 100/100 3.84 I Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 3.84 I Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 3.84 I Image: Count 100/100 Image: Count 100/100	Ref Level 20.00 dBm Offset 2.38 B RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz Mode Auto FFT SGL Count 100/100 0 10 dBm 2.4019600 2.4019600 0 dBm	-20 UBIII-			1						
	10 dBm	10 dBm	MI[1] 3.84 d 2,40196000 c 0 dBm -10 dBm	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 Hz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 0<	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 0 10 dBm 0 10 dBm 2.4019600 0 dBm 0 M 0 0 0 0 0	-30 dBm			M			tim			
	10 dBm 0 dBm -10 dBm -20 dBm	10 dBm	MI[1] 3.84 d 10 dBm 2.40196000 c 0 dBm -10 dBm -20 dBm -10 dBm	Ref Level 20.00 dbm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz Mode Auto FFT SGL Count 100/100 • • • Multiple • 3.84 • 10 dBm • <t< td=""><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 •</td><td>-40 dBm</td><td></td><td>~</td><td></td><td></td><td></td><td></td><td>1 m</td><td>-</td><td></td></t<>	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 •	-40 dBm		~					1 m	-	
	10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	10 dBm M1[1] 3.84 d 10 dBm 2.40196000 C 0 dBm M -10 dBm -20 dBm -30 dBm -30 dBm	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µS YBW 300 kHz Mode Auto FFT SGL Count 100/100 • • • • • • •	Ref Level 20.00 dBm Offset 2,38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 • • • • • • •	50 dBm	d	~					\sim	2	
	10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	MI[1] 3.84 d 2,40196000 C 2,40196000 C -10 dBm -20 dBm -30 dBm -40 dBm	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 0 0 10 dBm 2,46196000 0 0 0 dBm 0	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µs YBW 300 kHz Mode Auto FFT SGL Count 100/100 Image: Second S	mon	1							m	m
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	10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	MI(1) 3.84 d 10 dBm 2.40196000 c 0 dBm M -10 dBm - -20 dBm - -30 dBm - -50 dBm -	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µ5 YBW 300 kHz Mode Auto FFT SGL Count 100/100 •	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µš YBW 300 kHz Mode Auto FFT SGL Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Image: Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Count 100/100 Image: Image: Image: Image: Image: Count 100/100 Image: Imag	-70 dBm			1	-			-		
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Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission	10 dBm M <td>10 dBm M 0 dBm M -10 dBm M -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -60 dBm -50 dBm -60 dBm -70 dBm -70 dBm <</td> <td>10 dBm M1(1) 3.84 d 10 dBm 2,40196000 c 0 dBm 40 dBm 40 dBm -20 dBm -30 dBm -40 dBm -30 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm <</td> <td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µS YBW 300 kHz Mode Auto FFT SGL Count 100/100 19.8 µS YBW 300 kHz ID dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 -20 dBm MI[1] 2.40196000 -20 dBm MI[1] 2.40196000 -20 dBm MI[1] 3.84 -30 dBm MI[1] SB and Bar -60 dBm MI[1] SB and Bar -70 dBm MI[1] SB and Bar -70 dBm MI[1] SB and Bar -70 dBm MI[1] 2.4019600 -70 dBm MI[1] 3.84 -70 dBm MI[1] 2.4019600 -70 dBm MI[1] 2.4019600 -70 dBm MI[1] 3.84 -70 dBm MI[1]</td> <td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 91% Max 91% Max 3.8 10 dBm 0 dBm 0 dBm 91% Max 3.8 10 dBm 0 dBm 0 dBm 0 dBm 91% Max 3.8 -20 dBm -0 dBm -0 dBm -0 dBm -0 dBm -0 dBm -30 dBm -0 dBm -0 dBm -0 dBm -0 dBm -0 dBm -0 dBm -50 dBm -0 dBm</td> <td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm</td> <td>nd Edg</td> <td>Offset 2</td> <td>.38 dB 📦 R</td> <td>5 2402N</td> <td>1Hz Ant Mode A</td> <td>Suto FFT.</td> <td>opping</td> <td>Emissic</td> <td>0n (* 1.86 dE 195000 G 43.2 MB</td>	10 dBm M 0 dBm M -10 dBm M -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -60 dBm -50 dBm -60 dBm -70 dBm -70 dBm <	10 dBm M1(1) 3.84 d 10 dBm 2,40196000 c 0 dBm 40 dBm 40 dBm -20 dBm -30 dBm -40 dBm -30 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm <	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Att 35 dB SWT 18.9 µS YBW 300 kHz Mode Auto FFT SGL Count 100/100 19.8 µS YBW 300 kHz ID dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 -20 dBm MI[1] 2.40196000 -20 dBm MI[1] 2.40196000 -20 dBm MI[1] 3.84 -30 dBm MI[1] SB and Bar -60 dBm MI[1] SB and Bar -70 dBm MI[1] SB and Bar -70 dBm MI[1] SB and Bar -70 dBm MI[1] 2.4019600 -70 dBm MI[1] 3.84 -70 dBm MI[1] 2.4019600 -70 dBm MI[1] 2.4019600 -70 dBm MI[1] 3.84 -70 dBm MI[1]	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 91% Max 91% Max 3.8 10 dBm 0 dBm 0 dBm 91% Max 3.8 10 dBm 0 dBm 0 dBm 0 dBm 91% Max 3.8 -20 dBm -0 dBm -0 dBm -0 dBm -0 dBm -0 dBm -30 dBm -0 dBm -0 dBm -0 dBm -0 dBm -0 dBm -0 dBm -50 dBm -0 dBm	Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm	nd Edg	Offset 2	.38 dB 📦 R	5 2402N	1Hz Ant Mode A	Suto FFT.	opping	Emissic	0n (* 1.86 dE 195000 G 43.2 MB
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Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission	10 dBm 0 dBm 10 dBm 10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -60 dBm -50 dBm -60 dBm -70 dBm -60 dBm -70 dBm -60 dBm -70 dBm -70 dBm -70 dBm -7	10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -60 dBm -70 dBm -70 dBm CF 2.402 GHz 1001 pts Spectrum Spen 8.0 M Ref Level 20.00 dBm Offset 2.38 dB = RBW 100 kHz Att 35 dB SQL Count 100/100 PPk Max 10 dBm M1[1] -10 dBm M1[1] -10 dBm M1[1]	I0 dBm M1[1] 3.84 d 10 dBm 2,40196000 C 0 dBm 10 dBm 10 dBm -10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -50 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -50 dBm -50 dBm -60 dBm -50 dBm -60 dBm -60 dBm -60 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm <	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 9 WT 18.9 µS VBW 300 kHz Mode Auto FFT SGL Count 100/100 9 Pk Max 10 dBm 0 dBm 9 Pk Max 9 Pk Max 9 Pk Max 9 Pk Max -10 dBm 9 Pk Max -20 dBm 9 Pk Max -30 dBm 9 Pk Max -30 dBm 9 Pk Max -70 dBm 9 Pk Max 10 dBm 9 Pk Max 10 dBm 9 Pk Max	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 91Pk Max 3.8 10 dBm 0 91Pk Max 3.8 10 dBm 0 91Pk Max 3.8 -10 dBm 0 91Pk Max 3.8 -20 dBm -0 91Pk Max -0 -30 dBm -0 91Pk Max -0 -30 dBm -0 91Pk Max -0 -30 dBm -0 91Pk Max -0 -20 dBm -0 91Pk Max -0 -30 dBm -0 91Pk Max -0 -30 dBm -0 91Pk Max -0 -70 dBm -0 91Pk Max Spen 8.0 -70 dBm -0 91Pk Max Spen 8.0 -70 dBm -0 91Pk Max -0 -70 dBm -0 91Pk Max -0 -70 dBm -0 91Pk Max -0 -10 dBm -0 91Pk Max -0 -10	Spectrum Ref Level 20 Att SGL Count 10 ● 1Pk Max 10 dBm -10 dBm -10 dBm -10 dBm	100 dBm 35 dB 00/100	Offset 2 SWT 22	.38 dB 📦 R	5 2402N	1Hz Ant Mode A	uto FFT.	opping	Emissic	0n (* 1.86 dB 195000 G 43.2 MB
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Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission	10 dBm M <td>10 dBm M<td>ID dBm MI[1] 3.84 d ID dBm 2.40196000 C ID dBm ID dBm -10 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -30 dBm ID dBm -30 dBm ID dBm -50 dBm ID dBm -50 dBm ID dBm -70 dBm ID lpts Span 8.0 MI <t< td=""><td>Ref Level 20.00 dBm Offset 2.39 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IB:9 µ5 VBW 300 kHz Mode Auto FFT I 0 dBm 0 dBm 2,40196000 0 10 dBm 0 dBm 0 0 0 -10 dBm 0 0 0 0 0 -20 dBm 0 0 0 0 0 -30 dBm 0 0 0 0 0 0 -0 dBm 0 0 0 0 0 0 0 -00 dBm 0 0 0 0 0 0 0 -00 dBm 0 0 0 0 0 0 0 -00 dBm -00 dBm 0 0 0 0 0 0 0 0 -00 dBm -00 dBm 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>Ref Level 20.00 dBm Offset 2,38 dB RBW 100 kHz Att 35 dB SWT 18.9 µS YBW 300 kHz Max 36 dB M1[1] 3.8 10 dBm 0 dBm 2.4019600 0 dBm 0 dBm 0 dBm 2.4019600 -10 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -10 dBm 01 -16,164 dBm 0 -10 -16,164 d</td><td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm</td><td>100 dBm 35 dB 00/100</td><td>Offset 2 SWT 22</td><td>.38 dB 📦 R</td><td>5 2402N</td><td>1Hz Ant Mode A</td><td>uto FFT.</td><td>opping</td><td>Emissic</td><td>200 1.86 dE 195000 G 43.21ME 000000 G</td></t<></td></td>	10 dBm M <td>ID dBm MI[1] 3.84 d ID dBm 2.40196000 C ID dBm ID dBm -10 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -30 dBm ID dBm -30 dBm ID dBm -50 dBm ID dBm -50 dBm ID dBm -70 dBm ID lpts Span 8.0 MI <t< td=""><td>Ref Level 20.00 dBm Offset 2.39 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IB:9 µ5 VBW 300 kHz Mode Auto FFT I 0 dBm 0 dBm 2,40196000 0 10 dBm 0 dBm 0 0 0 -10 dBm 0 0 0 0 0 -20 dBm 0 0 0 0 0 -30 dBm 0 0 0 0 0 0 -0 dBm 0 0 0 0 0 0 0 -00 dBm 0 0 0 0 0 0 0 -00 dBm 0 0 0 0 0 0 0 -00 dBm -00 dBm 0 0 0 0 0 0 0 0 -00 dBm -00 dBm 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>Ref Level 20.00 dBm Offset 2,38 dB RBW 100 kHz Att 35 dB SWT 18.9 µS YBW 300 kHz Max 36 dB M1[1] 3.8 10 dBm 0 dBm 2.4019600 0 dBm 0 dBm 0 dBm 2.4019600 -10 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -10 dBm 01 -16,164 dBm 0 -10 -16,164 d</td><td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm</td><td>100 dBm 35 dB 00/100</td><td>Offset 2 SWT 22</td><td>.38 dB 📦 R</td><td>5 2402N</td><td>1Hz Ant Mode A</td><td>uto FFT.</td><td>opping</td><td>Emissic</td><td>200 1.86 dE 195000 G 43.21ME 000000 G</td></t<></td>	ID dBm MI[1] 3.84 d ID dBm 2.40196000 C ID dBm ID dBm -10 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -20 dBm ID dBm -30 dBm ID dBm -30 dBm ID dBm -30 dBm ID dBm -50 dBm ID dBm -50 dBm ID dBm -70 dBm ID lpts Span 8.0 MI ID lpts Span 8.0 MI <t< td=""><td>Ref Level 20.00 dBm Offset 2.39 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IB:9 µ5 VBW 300 kHz Mode Auto FFT I 0 dBm 0 dBm 2,40196000 0 10 dBm 0 dBm 0 0 0 -10 dBm 0 0 0 0 0 -20 dBm 0 0 0 0 0 -30 dBm 0 0 0 0 0 0 -0 dBm 0 0 0 0 0 0 0 -00 dBm 0 0 0 0 0 0 0 -00 dBm 0 0 0 0 0 0 0 -00 dBm -00 dBm 0 0 0 0 0 0 0 0 -00 dBm -00 dBm 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>Ref Level 20.00 dBm Offset 2,38 dB RBW 100 kHz Att 35 dB SWT 18.9 µS YBW 300 kHz Max 36 dB M1[1] 3.8 10 dBm 0 dBm 2.4019600 0 dBm 0 dBm 0 dBm 2.4019600 -10 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -10 dBm 01 -16,164 dBm 0 -10 -16,164 d</td><td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm</td><td>100 dBm 35 dB 00/100</td><td>Offset 2 SWT 22</td><td>.38 dB 📦 R</td><td>5 2402N</td><td>1Hz Ant Mode A</td><td>uto FFT.</td><td>opping</td><td>Emissic</td><td>200 1.86 dE 195000 G 43.21ME 000000 G</td></t<>	Ref Level 20.00 dBm Offset 2.39 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IB:9 µ5 VBW 300 kHz Mode Auto FFT I 0 dBm 0 dBm 2,40196000 0 10 dBm 0 dBm 0 0 0 -10 dBm 0 0 0 0 0 -20 dBm 0 0 0 0 0 -30 dBm 0 0 0 0 0 0 -0 dBm 0 0 0 0 0 0 0 -00 dBm 0 0 0 0 0 0 0 -00 dBm 0 0 0 0 0 0 0 -00 dBm -00 dBm 0 0 0 0 0 0 0 0 -00 dBm -00 dBm 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ref Level 20.00 dBm Offset 2,38 dB RBW 100 kHz Att 35 dB SWT 18.9 µS YBW 300 kHz Max 36 dB M1[1] 3.8 10 dBm 0 dBm 2.4019600 0 dBm 0 dBm 0 dBm 2.4019600 -10 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm -10 dBm 01 -16,164 dBm 0 -10 -16,164 d	Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	100 dBm 35 dB 00/100	Offset 2 SWT 22	.38 dB 📦 R	5 2402N	1Hz Ant Mode A	uto FFT.	opping	Emissic	200 1.86 dE 195000 G 43.21ME 000000 G
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission	10 dBm 0 dBm <t< td=""><td>10 dBm 0 dBm <t< td=""><td>MI[1] 3.84d 10 dBm MI 0 dBm MI -10 dBm MI -20 dBm -20 dBm -30 dBm -30 dBm -20 dBm -30 dBm -20 dBm -90 dBm -10 dBm -10.16 dBm -20 dBm -91 - 16.16 dBm</td><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max MI[1] 3.84 10 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 -20 dBm -30 dBm -40 dBm -30 dBm -30 dBm -40 dBm -20 dBm -30 dBm -70 dBm -30 dBm -30 dBm -40 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -32 B B -30 dBm -30 dBm -32 B B -30 dBm -33 dB SWT 227.5 µs -10 dBm -33 dB MI[1] -30 dBm -30 dBm -33 dB</td><td>Ref Level 20.00 dBm Offset 2.33 dB RBW 100 kHz Att 35 dB SWT 16.9 µS VBW 300 kHz Mode Auto FFT SGL Count 100/100 IPK Max 9.9 KW 3.9 2.4019600 I 0 dBm MI[1] 2.4019600 2.4019600 0 dBm MI[1] 2.4019600 -20 dBm -30 dBm -40 dBm -40 dBm -30 dBm -60 dBm -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm 0 dBm -70 dBm -70 dBm 0 dBm 0 dBm -70 dBm</td><td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm</td><td>100 dBm 35 dB 00/100</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>1Hz Ant</td><td>suto FFT.</td><td></td><td>2.400</td><td>DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G</td></t<></td></t<>	10 dBm 0 dBm <t< td=""><td>MI[1] 3.84d 10 dBm MI 0 dBm MI -10 dBm MI -20 dBm -20 dBm -30 dBm -30 dBm -20 dBm -30 dBm -20 dBm -90 dBm -10 dBm -10.16 dBm -20 dBm -91 - 16.16 dBm</td><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max MI[1] 3.84 10 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 -20 dBm -30 dBm -40 dBm -30 dBm -30 dBm -40 dBm -20 dBm -30 dBm -70 dBm -30 dBm -30 dBm -40 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -32 B B -30 dBm -30 dBm -32 B B -30 dBm -33 dB SWT 227.5 µs -10 dBm -33 dB MI[1] -30 dBm -30 dBm -33 dB</td><td>Ref Level 20.00 dBm Offset 2.33 dB RBW 100 kHz Att 35 dB SWT 16.9 µS VBW 300 kHz Mode Auto FFT SGL Count 100/100 IPK Max 9.9 KW 3.9 2.4019600 I 0 dBm MI[1] 2.4019600 2.4019600 0 dBm MI[1] 2.4019600 -20 dBm -30 dBm -40 dBm -40 dBm -30 dBm -60 dBm -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm 0 dBm -70 dBm -70 dBm 0 dBm 0 dBm -70 dBm</td><td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm</td><td>100 dBm 35 dB 00/100</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>1Hz Ant</td><td>suto FFT.</td><td></td><td>2.400</td><td>DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G</td></t<>	MI[1] 3.84d 10 dBm MI 0 dBm MI -10 dBm MI -20 dBm -20 dBm -30 dBm -30 dBm -20 dBm -30 dBm -20 dBm -90 dBm -10 dBm -10.16 dBm -20 dBm -91 - 16.16 dBm	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max MI[1] 3.84 10 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 0 dBm MI[1] 2.40196000 -20 dBm -30 dBm -40 dBm -30 dBm -30 dBm -40 dBm -20 dBm -30 dBm -70 dBm -30 dBm -30 dBm -40 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -32 B B -30 dBm -30 dBm -32 B B -30 dBm -33 dB SWT 227.5 µs -10 dBm -33 dB MI[1] -30 dBm -30 dBm -33 dB	Ref Level 20.00 dBm Offset 2.33 dB RBW 100 kHz Att 35 dB SWT 16.9 µS VBW 300 kHz Mode Auto FFT SGL Count 100/100 IPK Max 9.9 KW 3.9 2.4019600 I 0 dBm MI[1] 2.4019600 2.4019600 0 dBm MI[1] 2.4019600 -20 dBm -30 dBm -40 dBm -40 dBm -30 dBm -60 dBm -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm -70 dBm 0 dBm 0 dBm -70 dBm -70 dBm 0 dBm 0 dBm -70 dBm	Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	100 dBm 35 dB 00/100	Offset 2 SWT 22	38 dB ● R 7.5 μs ● V	5 2402N	1Hz Ant	suto FFT.		2.400	DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission	10 dBm 0 dBm <t< td=""><td>10 dBm 0 dBm <t< td=""><td>Mil[1] 2.884d 10 dBm 2.40196000 c 0 dBm 40 dBm -20 dBm -20 dBm -30 dBm -40 dBm -30 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -70 dBm -60 dBm -70 dBm -60 dBm -70 dBm -70 dBm -70 dBm <t< td=""><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 10/100 9/5 dB VBW 300 kHz Mode Auto FFT 9/1PK Max 3.84 9/10 dBm 2.40190000 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm -30 dBm -40 dBm -40 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -20 dBm -80 dBm -90 dBm -90 dBm -20 dBm -90 dBm -90 dBm -9</td><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max M1[1] 3.9 10 dBm 0 M1[1] 2.4019600 0 dBm 0 M 2.4019600 -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm <tr< td=""><td>Spectrum Ref Level 20 Att SGL Count 10 • 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm</td><td>(</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>1Hz Ant</td><td>suto FFT.</td><td></td><td>2.400</td><td>DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G</td></tr<></td></t<></td></t<></td></t<>	10 dBm 0 dBm <t< td=""><td>Mil[1] 2.884d 10 dBm 2.40196000 c 0 dBm 40 dBm -20 dBm -20 dBm -30 dBm -40 dBm -30 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -70 dBm -60 dBm -70 dBm -60 dBm -70 dBm -70 dBm -70 dBm <t< td=""><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 10/100 9/5 dB VBW 300 kHz Mode Auto FFT 9/1PK Max 3.84 9/10 dBm 2.40190000 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm -30 dBm -40 dBm -40 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -20 dBm -80 dBm -90 dBm -90 dBm -20 dBm -90 dBm -90 dBm -9</td><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max M1[1] 3.9 10 dBm 0 M1[1] 2.4019600 0 dBm 0 M 2.4019600 -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm <tr< td=""><td>Spectrum Ref Level 20 Att SGL Count 10 • 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm</td><td>(</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>1Hz Ant</td><td>suto FFT.</td><td></td><td>2.400</td><td>DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G</td></tr<></td></t<></td></t<>	Mil[1] 2.884d 10 dBm 2.40196000 c 0 dBm 40 dBm -20 dBm -20 dBm -30 dBm -40 dBm -30 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -50 dBm -60 dBm -70 dBm -60 dBm -70 dBm -60 dBm -70 dBm -70 dBm -70 dBm <t< td=""><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 10/100 9/5 dB VBW 300 kHz Mode Auto FFT 9/1PK Max 3.84 9/10 dBm 2.40190000 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm -30 dBm -40 dBm -40 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -20 dBm -80 dBm -90 dBm -90 dBm -20 dBm -90 dBm -90 dBm -9</td><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max M1[1] 3.9 10 dBm 0 M1[1] 2.4019600 0 dBm 0 M 2.4019600 -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm <tr< td=""><td>Spectrum Ref Level 20 Att SGL Count 10 • 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm</td><td>(</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>1Hz Ant</td><td>suto FFT.</td><td></td><td>2.400</td><td>DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G</td></tr<></td></t<>	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 10/100 9/5 dB VBW 300 kHz Mode Auto FFT 9/1PK Max 3.84 9/10 dBm 2.40190000 0 dBm 0 dBm 0 dBm 0 dBm -20 dBm -30 dBm -40 dBm -40 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -20 dBm -80 dBm -90 dBm -90 dBm -20 dBm -90 dBm -90 dBm -9	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max M1[1] 3.9 10 dBm 0 M1[1] 2.4019600 0 dBm 0 M 2.4019600 -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm <tr< td=""><td>Spectrum Ref Level 20 Att SGL Count 10 • 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm</td><td>(</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>1Hz Ant</td><td>suto FFT.</td><td></td><td>2.400</td><td>DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G</td></tr<>	Spectrum Ref Level 20 Att SGL Count 10 • 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	(Offset 2 SWT 22	38 dB ● R 7.5 μs ● V	5 2402N	1Hz Ant	suto FFT.		2.400	DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission	10 dBm 0 dBm <	10 dBm M 0 dBm M -10 dBm -10 dBm -20 dBm -10 dBm -30 dBm -10 dBm -40 dBm -10 dBm -50 dBm -10 dBm -60 dBm -10 dBm -70 dBm -10 dBm <td>0 dBm M1[1] 2.40196000 C 0 dBm M 2.40196000 C 0 dBm M 0 -10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -10 dBm -30 dBm -40 dBm -40 dBm -50 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm</td> <td>Ref Level 20.00 dbm Offset 2.38 db RBW 100 kHz Mode Auto FFT SGL Count 100/100 1Pk Max 3.84 3.84 10 dbm 2.40196000 2.40196000 0 dbm 0 0.00 0.00 10 dbm 0.00 0.00 0.00 20 dbm 0.00 0.00 0.00 -20 dbm<td>Ref Level 20.00 dBm Offset 2.39 dB RBW 100 kHz Made Auto FFT SGL Count 100/100 19k Max M1[1] 3.8 10 dBm 0 10 dBm 10 dBm 2,4019600 10 dBm 0 10 dBm 10 dBm 2,4019600 10 dBm 0 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm 10 dBm</td><td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm</td><td>(</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>1Hz Ant</td><td>suto FFT.</td><td></td><td>2.400</td><td>DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G</td></td>	0 dBm M1[1] 2.40196000 C 0 dBm M 2.40196000 C 0 dBm M 0 -10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -10 dBm -30 dBm -40 dBm -40 dBm -50 dBm -60 dBm -60 dBm -50 dBm -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm 0 dBm -70 dBm -70 dBm	Ref Level 20.00 dbm Offset 2.38 db RBW 100 kHz Mode Auto FFT SGL Count 100/100 1Pk Max 3.84 3.84 10 dbm 2.40196000 2.40196000 0 dbm 0 0.00 0.00 10 dbm 0.00 0.00 0.00 20 dbm 0.00 0.00 0.00 -20 dbm <td>Ref Level 20.00 dBm Offset 2.39 dB RBW 100 kHz Made Auto FFT SGL Count 100/100 19k Max M1[1] 3.8 10 dBm 0 10 dBm 10 dBm 2,4019600 10 dBm 0 10 dBm 10 dBm 2,4019600 10 dBm 0 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm 10 dBm</td> <td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm</td> <td>(</td> <td>Offset 2 SWT 22</td> <td>38 dB ● R 7.5 μs ● V</td> <td>5 2402N</td> <td>1Hz Ant</td> <td>suto FFT.</td> <td></td> <td>2.400</td> <td>DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G</td>	Ref Level 20.00 dBm Offset 2.39 dB RBW 100 kHz Made Auto FFT SGL Count 100/100 19k Max M1[1] 3.8 10 dBm 0 10 dBm 10 dBm 2,4019600 10 dBm 0 10 dBm 10 dBm 2,4019600 10 dBm 0 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm 10 dBm 10 dBm 10 dBm -20 dBm 0 0 10 dBm	Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	(Offset 2 SWT 22	38 dB ● R 7.5 μs ● V	5 2402N	1Hz Ant	suto FFT.		2.400	DN [1.86 dP 1.86 dP 1.95000 G 143.21 MP 006000 G 143.21 MP 006000 G
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission	10 dBm 0 dBm <t< td=""><td>10 dBm M 0 dBm M -10 dBm -10 dBm -20 dBm -10 dBm -30 dBm -10 dBm -40 dBm -10 dBm -50 dBm -10 dBm -60 dBm -10 dBm -70 dBm -10 dBm<td>In dBm MI[1] 2.40196000 C 0 dBm M 2.40196000 C 0 dBm M 0 -10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -10 dBm -30 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -20 dBm -20 dBm -50 dBm -20 dBm -20 dBm -70 dBm -20 dBm -20 dBm -70 dBm -20 dBm -2.32 dB -70 dBm -2.32 dB -2.32 dB -20 dBm -2.32 dB -2.32 dB -20 dBm -2.402 GHz -2.402 GHz -2.41 dD/100 -3.42 dB -2.41 dD/100 -3.42 dB -2.41 dBm -3.42 dB -2.40 dBm -43.2 dB -2.40 dBm -43.2 d</td><td>Ref Level 20.00 dBm Offset 2.33 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max 3.84 MI[1] 3.84 10 dBm 0 dBm 10.401 2.40196000 3.84 10 dBm 0 dBm 10.000 10.000 10.000 10.000 -20 dBm -30 dBm -40.0000 -40.0000 -40.0000 -40.0000 -40.0000 -40.0000 -40.0000 -40.00000 -40.0000 -40.00000 -40.000000 -40.000000<!--</td--><td>Ref Level 20.00 dbm Offset 2.38 db RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max 3.8 YBW 300 kHz Mode Auto FFT SGL Count 100/100 IPK Max 10 dbm 2,4019600 2,4019600 0 dbm 0 dbm 10 dbm 10 dbm 2,4019600 -10 dbm 0 dbm 10 dbm 10 dbm 10 dbm -20 dbm -30 dbm -40 dbm -40 dbm -40 dbm -00 dbm -60 dbm -60 dbm -60 dbm -60 dbm -60 dbm -20 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -20 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -20 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -20 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -20 dbm -70 dbm</td><td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm</td><td>(</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>1Hz Ant</td><td>suto FFT.</td><td></td><td>2.400</td><td>DN [1.86 dE 1.86 dE 195000 G -43.21ME 006000 G MB</td></td></td></t<>	10 dBm M 0 dBm M -10 dBm -10 dBm -20 dBm -10 dBm -30 dBm -10 dBm -40 dBm -10 dBm -50 dBm -10 dBm -60 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dB -2.32 dB -20 dBm -2.402 GHz -2.402 GHz -2.41 dD/100 -3.42 dB -2.41 dD/100 -3.42 dB -2.41 dBm -3.42 dB -2.40 dBm -43.2 dB -2.40 dBm -43.2 d	Ref Level 20.00 dBm Offset 2.33 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max 3.84 MI[1] 3.84 10 dBm 0 dBm 10.401 2.40196000 3.84 10 dBm 0 dBm 10.000 10.000 10.000 10.000 -20 dBm -30 dBm -40.0000 -40.0000 -40.0000 -40.0000 -40.0000 -40.0000 -40.0000 -40.00000 -40.0000 -40.00000 -40.000000 -40.000000 </td <td>Ref Level 20.00 dbm Offset 2.38 db RBW 100 kHz Mode Auto FFT SGL Count 100/100 IPK Max 3.8 YBW 300 kHz Mode Auto FFT SGL Count 100/100 IPK Max 10 dbm 2,4019600 2,4019600 0 dbm 0 dbm 10 dbm 10 dbm 2,4019600 -10 dbm 0 dbm 10 dbm 10 dbm 10 dbm -20 dbm -30 dbm -40 dbm -40 dbm -40 dbm -00 dbm -60 dbm -60 dbm -60 dbm -60 dbm -60 dbm -20 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -20 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -20 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -20 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -70 dbm -20 dbm 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22	38 dB ● R 7.5 μs ● V	5 2402N	1Hz Ant	suto FFT.		2.400	DN [1.86 dE 1.86 dE 195000 G -43.21ME 006000 G MB
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission	10 dBm 0 20 dBm 30 dBm -20 dBm -0 -30 dBm -0 -40 dBm -0 -50 dBm -0 -60 dBm -0 -70 dBm -0 -10 dBm -0	10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -70 d	In dBm M1[1] 2.40196000 C In dBm 2.40196000 C 2.40196000 C In dBm In dBm In dBm In dBm In dBm In dBm In dBm In dBm <	Ref Level 20.00 dBm Offset 2.38 BRW 100 HHz Mode Auto FFT SGL Count 100/100 IPk Max M1[1] 3.84 3.84 10 dBm Max M1[1] 3.84 3.84 10 dBm M1[1] 2.40196000 3.84 10 dBm M1[1] 3.84 3.84 20 dBm M1[1] 3.84 3.84 30 dBm M1[1] 3.84 3.84 30 dBm M1[1] 3.84 3.84 30 dBm M1[1] 3.84 3.84 40 dBm M1[1] Spon 8.0 M 3.84 50 dBm Offset 2.38 dB RBW 100 kHz M1[1] 3.86 40 dBm M1[1] 2.4019600 -43.2 M 3.24 10 dBm M1[1] 2.4019600 -43.2 M <td< td=""><td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 Ink Max MI(1) 2,4019600 I hk Max MI(1) 2,4019600 I dBm I dBm MI(1) I dBm I dBm I dBm I dBm I dBm I dBm I dBm MI(1) I dBm I dBm</td><td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm</td><td>1.00 dBm 35 dB 0/100</td><td>Offset 2 SWT 22</td><td>38 dB ● R 7.5 μs ● V</td><td>5 2402N</td><td>Mode A</td><td>suto FFT.</td><td></td><td>2.401 2.400</td><td>2)N 1.86 dE 1.95000 G 43.2 ME 1000000 G 43.2 ME 1000000 G 43.2 ME 1000000 G 43.2 ME</td></td<>	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 kHz Mode Auto FFT SGL Count 100/100 Ink Max MI(1) 2,4019600 I hk Max MI(1) 2,4019600 I dBm I dBm MI(1) I dBm I dBm I dBm I dBm I dBm I dBm I dBm MI(1) I dBm I dBm	Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	1.00 dBm 35 dB 0/100	Offset 2 SWT 22	38 dB ● R 7.5 μs ● V	5 2402N	Mode A	suto FFT.		2.401 2.400	2)N 1.86 dE 1.95000 G 43.2 ME 1000000 G 43.2 ME 1000000 G 43.2 ME 1000000 G 43.2 ME
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission Imm Imm Imm	10 dBm 0 0 dBm 0 -10 dBm -0 -20 dBm -0 -30 dBm -0 -40 dBm -0 -50 dBm -0 -60 dBm -0 -70 dBm -0 -60 dBm -0 -70 dBm -0 -60 dBm -0 -70 dBm -0 -70 dBm -0 -60 dBm -0 -70 dBm -0 -10 dBm -0	10 dBm 0 0 dBm 0 -10 dBm 0 -20 dBm 0 -30 dBm 0 -40 dBm 0 -50 dBm 0 -60 dBm 0 -70 dBm 0 -60 dBm 0 -70 dBm	NI11 2.40196000 C 0 dBm 2.40196000 C 0 dBm 0 -10 dBm 0 -20 dBm -0 -30 dBm -0 -40 dBm -0 -50 dBm -0 -60 dBm -0 -70 dBm -0 -10 dBm -0 -0 dBm -0 -0 dBm -0 <td>Ref Level 20.00 dBm Offset 2.38 db RBW 100 HHz Mode Auto FFT Sol. Count 30.00 BWT 10.9 µS WBW 200 HHz Mode Auto FFT Sol. Count 10 dbm 10 dbm 2.400 96000 10 3.84 + 10 dbm 0 dbm 0 10 2.400 96000 10 -10 dbm 0 0 0 0 0 0 0 -10 dbm 0</td> <td>Ref Level 20.00 dbm Offset 2.38 db RBW 100 kHz Mode Auto FFT SGL Contribution 35 db SWT 10.9 ps VBW 300 kHz Mode Auto FFT SGL Contribution 10 dbm 11 2,4010600 3.8 10 dbm 10 dbm 11 2,4010600 3.8 10 dbm 10 dbm 11 2,4010600 3.8 10 dbm 10 dbm 10 10 3.8 3.8 10 dbm 10 dbm 10 10 10 3.8 20 dbm 10 dbm 10 10 10 10 10 30 dbm 10</td> <td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dB</td> <td>1.00 dBm 35 dB 0/100</td> <td>Offset 2 SwT 22</td> <td>.38 dB = R 7.5 μs = V</td> <td>5 2402N</td> <td>1Hz Ant</td> <td>suto FFT. נ[1] 2[1]</td> <td>autoriand trad</td> <td>Emissic 2.400 2.400</td> <td>2.406 GH</td>	Ref Level 20.00 dBm Offset 2.38 db RBW 100 HHz Mode Auto FFT Sol. Count 30.00 BWT 10.9 µS WBW 200 HHz Mode Auto FFT Sol. Count 10 dbm 10 dbm 2.400 96000 10 3.84 + 10 dbm 0 dbm 0 10 2.400 96000 10 -10 dbm 0 0 0 0 0 0 0 -10 dbm 0	Ref Level 20.00 dbm Offset 2.38 db RBW 100 kHz Mode Auto FFT SGL Contribution 35 db SWT 10.9 ps VBW 300 kHz Mode Auto FFT SGL Contribution 10 dbm 11 2,4010600 3.8 10 dbm 10 dbm 11 2,4010600 3.8 10 dbm 10 dbm 11 2,4010600 3.8 10 dbm 10 dbm 10 10 3.8 3.8 10 dbm 10 dbm 10 10 10 3.8 20 dbm 10 dbm 10 10 10 10 10 30 dbm 10	Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dB	1.00 dBm 35 dB 0/100	Offset 2 SwT 22	.38 dB = R 7.5 μs = V	5 2402N	1Hz Ant	suto FFT. נ[1] 2[1]	autoriand trad	Emissic 2.400 2.400	2.406 GH
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission Im Im Im Im	10 dBm 0 dBm 10 dBm 0 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -50 dBm -40 dBm -60 dBm -40 dBm -70 dBm -40 dBm -60 dBm -40 dBm -70 dBm -40 dBm -10 dBm -4111 -10 dBm -4111 -10 dBm -40 dBm -10 dBm <td>10 dBm 0 dBm 10 dBm 0 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -50 dBm -40 dBm -60 dBm -40 dBm -70 dBm -40 dBm -10 dBm -4</td> <td>M1[1] 3.84d 10 dBm 2,40196000 C 0 dBm 40 -10 dBm -10 -20 dBm -20 dBm -30 dBm -40 -40 dBm -40 -50 dBm -60 dBm -70 dBm -70 dBm -10 dBm -70 dBm -10 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm</td> <td>Ref Level 20.00 dsm Offset 2.39 db = RBW 100 kHz 35 db SWT 18.9 µS = WBW 300 kHz Made Auto FFT 5GL Count 100/100 Image: State State</td> <td>Ref Level 20.00 dBm Offset 2.38 dB RBW 100 Miz Mode Auto FFT SGL Count 100/100 91/F Max 31.89 μs VBW 300 kHz Mode Auto FFT 10 dBm 91.89 μs 91.90 kHz Mode Auto FFT 31.8 10 dBm 91.89 μs 91.90 kHz Mode Auto FFT 31.8 10 dBm 91.90 kHz M1[1] 31.8 21.4012600 10 dBm 91.90 kHz 91.90 kHz 91.90 kHz 91.90 kHz 20 dBm 91.90 kHz 91.90 kHz 91.90 kHz 91.90 kHz 20 dBm 91.90 kHz 91.90 kHz 91.90 kHz 91.90 kHz 40 dBm 91.90 kHz 91.90 kHz 91.90 kHz 91.90 kHz 40 dBm 92.91 kHz 92.91 kHz 91.90 kHz 91.90 kHz 60 dBm 92.75 μs 92.90 kHz Mode Auto FFT 92.400 000 91 kHz 92.75 μs 92.90 kHz Mode Auto FFT 92.400 000 91 dBm 92.75 μs 92.90 kHz Mode Auto FFT 92.400 000 91 dBm 92.400 kHz</td> <td>Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm</td> <td>1.00 dBm 35 dB 0/100 -16,164 d n/-mn/-m/- iHz Trc 1 1</td> <td>Offset 2 SWT 22 dBm dBm x-value 2.4019 2</td> <td> 38 dB = R 7.5 µs = V М4 цууМинци 95 GHz .4 GHz</td> <td>5 2402N BW 100 kHz BW 300 kHz 300 kHz 100 kHz</td> <td>1Hz Ant Mode A Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma</td> <td>suto FFT. נ[1] 2[1]</td> <td>autoriand trad</td> <td>Emissic 2.400 2.400</td> <td>2.406 GH</td>	10 dBm 0 dBm 10 dBm 0 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -50 dBm -40 dBm -60 dBm -40 dBm -70 dBm -40 dBm -10 dBm -4	M1[1] 3.84d 10 dBm 2,40196000 C 0 dBm 40 -10 dBm -10 -20 dBm -20 dBm -30 dBm -40 -40 dBm -40 -50 dBm -60 dBm -70 dBm -70 dBm -10 dBm -70 dBm -10 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Ref Level 20.00 dsm Offset 2.39 db = RBW 100 kHz 35 db SWT 18.9 µS = WBW 300 kHz Made Auto FFT 5GL Count 100/100 Image: State	Ref Level 20.00 dBm Offset 2.38 dB RBW 100 Miz Mode Auto FFT SGL Count 100/100 91/F Max 31.89 μs VBW 300 kHz Mode Auto FFT 10 dBm 91.89 μs 91.90 kHz Mode Auto FFT 31.8 10 dBm 91.89 μs 91.90 kHz Mode Auto FFT 31.8 10 dBm 91.90 kHz M1[1] 31.8 21.4012600 10 dBm 91.90 kHz 91.90 kHz 91.90 kHz 91.90 kHz 20 dBm 91.90 kHz 91.90 kHz 91.90 kHz 91.90 kHz 20 dBm 91.90 kHz 91.90 kHz 91.90 kHz 91.90 kHz 40 dBm 91.90 kHz 91.90 kHz 91.90 kHz 91.90 kHz 40 dBm 92.91 kHz 92.91 kHz 91.90 kHz 91.90 kHz 60 dBm 92.75 μs 92.90 kHz Mode Auto FFT 92.400 000 91 kHz 92.75 μs 92.90 kHz Mode Auto FFT 92.400 000 91 dBm 92.75 μs 92.90 kHz Mode Auto FFT 92.400 000 91 dBm 92.400 kHz	Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm	1.00 dBm 35 dB 0/100 -16,164 d n/-mn/-m/- iHz Trc 1 1	Offset 2 SWT 22 dBm dBm x-value 2.4019 2	38 dB = R 7.5 µs = V М4 цууМинци 95 GHz .4 GHz	5 2402N BW 100 kHz BW 300 kHz 300 kHz 100 kHz	1Hz Ant Mode A Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma	suto FFT. נ[1] 2[1]	autoriand trad	Emissic 2.400 2.400	2.406 GH
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Ba Spectrum Ref Level Att SGL Count	and Ed	Offset 2.	.38 dB 📦 I	5 2402MF	Hz Ant1) FFT.	pping	Emissio	200 (T 3.06 dBr 195000 GF
Back Spectrum Ref Level Att SGL Count 9 1Pk Max	and Ed	Offset 2.	.38 dB 📦 I	5 2402MF	Hz Ant1) FFT.	opping	Emissio	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Bi Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm-	and Ed	Offset 2.	.38 dB 📦 I	5 2402MF	Hz Ant1) FFT.	opping	Emissio	3.06 dB/ 195000 GH -44.32 JB/
Bi Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm	and Ed	Offset 2. SWT 22	.38 dB 📦 I	5 2402MF	Hz Ant1) FFT.	opping	Emissio	3.06 dB/ 195000 GH -44.32 JB/
Bi Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm- 0 dBm- -10 dBm-	and Ed 20.00 dBm 35 dB 100/100	Offset 2. SWT 22	.38 dB 📦 I	5 2402MF	Hz Ant1) FFT.	opping	Emissio	3.06 dB/ 195000 GH -44.32 JB/
Ba Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm-	and Ed 20.00 dBm 35 dB 100/100	Offset 2. SWT 22	.38 dB 📦 I	5 2402MF	Hz Ant1) FFT.	opping	Emissio	3.06 dB/ 195000 GH -44.32 JB/
Bi Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2. SWT 22 dBm	.38 dB • Ι 7.5 μs • Υ	15 2402MH	Hz Ant1) FFT.	opping	2.40 2.40	3.06 dB/ 195000 GH -14.32 dB/ 000000 GH
Ba Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm - 10 dBm - 10 dBm - 20 dBm - 30 dBm - 40 dBm - 50 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2. SWT 22 dBm	.38 dB • Ι 7.5 μs • Υ	15 2402MH RBW 100 kHz YBW 300 kHz	Hz Ant1) FFT		2.40 2.40	3.06 dB/ 195000 GH -14.32 dB/ 000000 GH
Bi Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm - 0 dBm - 10 dBm - 20 dBm - 30 dBm - 40 dBm - 50 dBm - 50 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2. SWT 22 dBm	.38 dB • Ι 7.5 μs • Υ	15 2402MH	Hz Ant1 Mode Auto M1[1] M2[1]) FFT		2.40 2.40	3.06 dB/ 195000 GH -14.32 dB/ 000000 GH
Ba Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2. SWT 22 dBm	.38 dB • Ι 7.5 μs • Υ	15 2402MH	Hz Ant1 Mode Auto M1[1] M2[1]) FFT		2.40 2.40	3.06 dB/ 195000 GH -14.32 dB/ 000000 GH
Bi Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22 dBm	.38 dB • Ι 7.5 μs • Υ	15 2402MH	Mode Auto Mode Auto M1[1] M2[1]) FFT		2.40 2.40	3.06 dB/ 195000 GH -14.32 dB/ 000000 GH
Bi Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2. SWT 22 dBm	.38 dB • 1 7.5 µs • 1 Ма Ма	15 2402MH	Mode Auto Mode Auto M1[1] M2[1]	9 FFT	without it manifold	2.40 2.40	2.406 GH2
Bi Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 d	and Ed 20.00 dBm 35 dB 100/100 D1 -16,157	Offset 2. SWT 22 dBm www.ll	.38 dB • 1 7.5 µs • 1 Ма Ма	15 2402MH	Mode Auto	9 FFT	without it manifold	Emissio	2.406 GH2
Ba Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm Start 2:3006 Marker Type Ref	and Ed 20.00 dBm 35 dB 100/100 D1 -16,157	Offset 2. SWT 22 dBm dBm x-value 2.4019 2. 2.3	.38 dB 7.5 µs 1 1 1 1 1 1 1 1 1 1 1 1 1	15 2402MH	Mode Auto	9 FFT	without it manifold	Emissio	2.406 GH2

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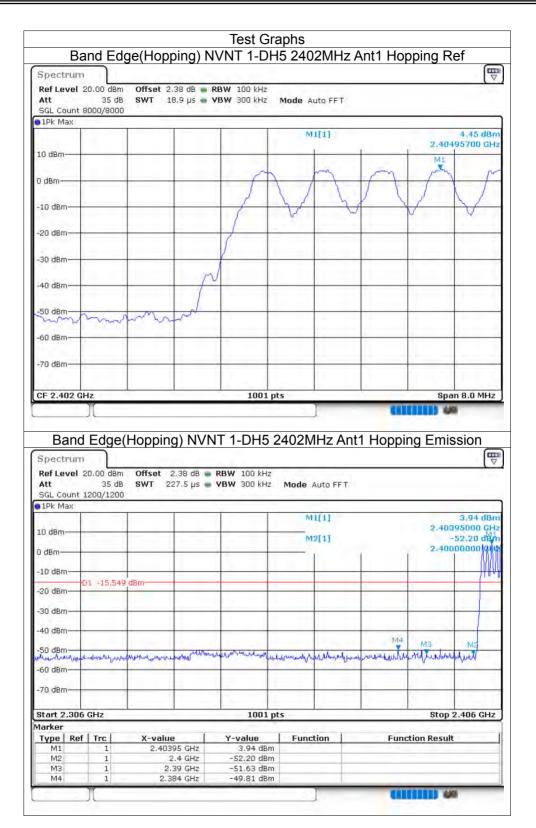


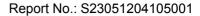


8.8 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-54.26	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.25	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.93	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-54.72	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-53.35	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-56.39	-20	Pass









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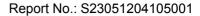
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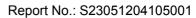
Spectrum	and the second second								
Ref Level Att SGL Count	35 dB	SWT 18.9			Mode A	uto FFT			
●1Pk Max				1	M	1[1]			2.94
10 dBm							1	2.402	211990
TO UBIN					M1				
0 dBm		1	-	m	Ange	rent	fordam	mont	w
-10 dBm				1					
							1		
-20 dBm			1				-	-	
-30 dBm				-			1	1	-
		1 M	4	1		1			
-40 dBm							1.	1	
-50 dBm		The							
routin	~~~								
-60 dBm			-	-					
-70 dBm						-			
						11 11			
CF 2.402 G	Hz			1001	pts		<u></u>	Spa	n 8.0 M
	2.7								
Band Spectrum Ref Level		(Hopping)) 1Hz An	t1 Hoppi	ng Emis	ssion
Spectrum Ref Level Att	20.00 dBm 35 dB	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2		t1 Hoppi	ng Emis	ssion
Spectrum Ref Level	20.00 dBm 35 dB	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2 2 Mode -	Auto FFT.	t1 Hoppi	ng Emis	
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 35 dB	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2 2 Mode -		t1 Hoppi		2.63 0
Spectrum Ref Level Att SGL Count	20.00 dBm 35 dB	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2 Mode . Mode	Auto FFT.	t1 Hoppi	2.401	2.63 d 195000 -48.25%
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 35 dB	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2 Mode . Mode	Auto FFT.	t1 Hoppi	2.401	2.63 0
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 35 dB	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2 Mode . Mode	Auto FFT.	t1 Hoppi	2.401	2.63 d 195000 -48.25%
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 35 dB	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2 Mode . Mode	Auto FFT.	t1 Hoppi	2.401	2.63 (195000 -48.25%
Spectrum Ref Level Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2 Mode . Mode	Auto FFT.	t1 Hoppi	2.401	2.63 (195000 -48.25%
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.5	dB 🖷 I	RBW 100 kHz	2 Mode . Mode	Auto FFT.	t1 Hoppi	2.401	2.63 c
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.5	: dB = 1 ; µs = '	RBW 100 kHz YBW 300 kHz	2 Mode . Mode	Auto FFT.		2.401	2.63 (195000 -48.25%
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.5	: dB = 1 ; µs = '	RBW 100 kHz YBW 300 kHz	2 Mode . Mode	Auto FFT.		2.401	2.63 0 195000 -48.25% 106000
Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.5	: dB = 1 ; µs = '	RBW 100 kHz YBW 300 kHz	2 Mode . M	Auto FFT.		2.401 2.400	2.63 0 195000 -48.25% 106000
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.5	: dB = 1 ; µs = '	RBW 100 kHz YBW 300 kHz	2 Mode . M	Auto FFT.		2.401 2.400	2.63 0 195000 -48.25% 106000
Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.5	: dB = 1 ; µs = '	RBW 100 kHz VBW 300 kHz	Mode	Auto FFT.		2.401 2.400	2.63 c
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.5	: dB = 1 ; µs = '	RBW 100 kHz YBW 300 kHz	Mode	Auto FFT.		2.401 2.400	2.63 c
Spectrum Ref Level Att SGL Count 11k Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 2.3006 Marker Type	20.00 dBm 35 dB 1200/1200 D1 -17.063	Offset 2.38 SWT 227.5	i dB μs μs μs	RBW 100 kHz YBW 300 kHz	2 Mode M M M	Auto FFT.		2.401 2.400	2.63 c
Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.306 Marker Type Ref M1	20.00 dBm 35 dB 1200/1200 D1 -17.063	Offset 2.38 SWT 227.5	dB I I 5 μs I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RBW 100 kHz VBW 300 kHz VBW 3	2 Mode M M M M M M M M M M N N N	Auto FFT.		2.401 2.400	2.63 d 195000 48.25% 106000
Spectrum Ref Level Att SGL Count 11Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.306 Marker Type M1 M2 M3	20.00 dBm 35 dB 1200/1200 D1 -17.063 GHz GHz 1 1	Offset 2.38 SWT 227.5 SWT 227.5 SdBm SdBm J SdBm J SdBm J SdBm J SdBm J SdBm SdBm SdBm SdBm SdBm SdBm SdBm SdBm	HA HS HS HZ SHZ SHZ	RBW 100 kHz YBW 300 kHz YBW 300 kHz 1001 Y-value 2.63 dBr -48.25 dBr -54.40 dBr	2 Mode M M M M M M M M M M N N N	Auto FFT.		2.401 2.400	2.63 c
Spectrum Ref Level Att SGL Count • 1Pk Max • 1Pk Max • 1D dBm • 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.306 Marker Type Ref M1 M2	20.00 dBm 35 dB 1200/1200 D1 -17.063	Offset 2.38 SWT 227.5	HA HS HS HZ SHZ SHZ	RBW 100 kHz VBW 300 kHz VBW 3	2 Mode M M M M M M M M M M N N N	Auto FFT.		2.401 2.400	2.63 d 195000 48.25% 106000

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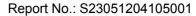
Att	20.00 dBm 35 dB t 8000/8000			BW 100 kHz BW 300 kHz		uto FFT			
The max	[]				M	1[1]		- 6.52	3,61 dB
10 dBm	r		_		_		i	2,48	005590 GH
Maria	nn	m	~~~~	a n					
O ABW	a fre por		for the		Z				
-10 dBm—			-			-	1	1.	-
-20 dBm			_						
-30 dBm					-	Long	1	-	
-40 dBm			_		_	A	5		-
ER dRm							w.	2	
-50 dBm								his	mmm
-60 dBm	-		-	-			-		1
-70 dBm	_								
					1.00				1.000
CF 2.48 G				1			<u>.</u>	Ores	an 8.0 MHz
Ban Spectrur Ref Level	d Edge(2 dB 📦 I	RBW 100 kH:	2480M		1 Hoppi		15
Ban Spectrui Ref Level Att SGL Count	ີ d Edge(ຫຼື	Offset 2.4	2 dB 📦 I	T 2-DH5	2480M		1 Hoppi		ssion
Ban Spectrur Ref Level Att	d Edge(n 20.00 dBm 35 dB	Offset 2.4	2 dB 📦 I	T 2-DH5	2480M 2 2 Mode 4		1 Hoppi	ng Emi	2.25 dBr
Ban Spectrui Ref Level Att SGL Count	d Edge(n 20.00 dBm 35 dB	Offset 2.4	2 dB 📦 I	T 2-DH5	2480M 2 Mode 4 M	Auto FFT.	1 Hoppi	ng Emi: 2.47	ssion
Ban Spectrur Ref Level Att SGL Coun 1Pk Max	d Edge(n 20.00 dBm 35 dB	Offset 2.4	2 dB 📦 I	T 2-DH5	2480M 2 Mode 4 M	Auto FFT	1 Hoppi	ng Emi:	2.25 dBr 695000 GH
Ban Spectrur Ref Level Att SGL Coun 1Pk Max	d Edge(120.00 dBm 35 dB 1200/1200	Offset 2.4; SWT 227.	2 dB 📦 I	T 2-DH5	2480M 2 Mode 4 M	Auto FFT.	1 Hoppi	ng Emi:	2.25 dBr 695000 GH -52.37 dBr
Ban Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm-	d Edge(n 20.00 dBm 35 dB	Offset 2.4; SWT 227.	2 dB 📦 I	T 2-DH5	2480M 2 Mode 4 M	Auto FFT.	1 Hoppi	ng Emi:	2.25 dBr 695000 GH -52.37 dBr
Ban Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm- -10 dBm-	d Edge(120.00 dBm 35 dB 1200/1200	Offset 2.4; SWT 227.	2 dB 📦 I	T 2-DH5	2480M 2 Mode 4 M	Auto FFT.	1 Hoppi	ng Emi:	2.25 dBr 695000 GH -52.37 dBr
Ban Spectrum Ref Level Att SGL Coun IPk Max 10 dBm- -10 dBm- -20 dBm-	d Edge(120.00 dBm 35 dB 1200/1200	Offset 2.4; SWT 227.	2 dB 📦 I	T 2-DH5	2480M 2 Mode 4 M	Auto FFT.	1 Hoppi	ng Emi:	2.25 dBr 695000 GH -52.37 dBr
Ban Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm- -10 dBm- -20 dBm- -30 dBm-	d Edge(n 20.00 dBm 35 dB 1200/1200	Offset 2.4; SWT 227.	2 dB 1	T 2-DH5	2480M	Auto FFT.		2.47(2.48	2.25 dbr 695000 GH -52.37 dbr 350000 GH
Ban Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	d Edge(n 20.00 dBm 35 dB 1200/1200	Offset 2.4; SWT 227.	2 dB 1	T 2-DH5	2480M	Auto FFT.		2.47(2.48	2.25 dBr 695000 GH -52.37 dBr 350000 GH
Ban Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm	d Edge(n 20.00 dBm 35 dB 1200/1200	Offset 2.4; SWT 227.	2 dB 1	T 2-DH5	2480M	Auto FFT.		2.47(2.48	2.25 dbr 695000 GH -52.37 dbr 350000 GH
Ban Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	d Edge(120.00 dBm 35 dB 1200/1200	Offset 2.4; SWT 227.	2 dB 1	T 2-DH5	2480M	Auto FFT.		2.470 2.480	2.25 dBr 695000 GH -52.37 dBr 350000 GH
Ban Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm	d Edge(120.00 dBm 35 dB 1200/1200	Offset 2.4; SWT 227.	2 dB 1	T 2-DH5	2480M	Auto FFT.		2.470 2.470 2.483	2.25 dbr 695000 GH -52.37 dbr 350000 GH
Ban Spectrum Ref Level Att SGL Coun IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	d Edge(n 20.00 dBm 35 dB 1200/1200 	Offset 2.4 SWT 227.	2 dB 5 μs γ	T 2-DH5	2480M	Auto FFT.	James Margan	2.470 2.470 2.483	2.25 dBr 695000 GH -52.37 dBr 35000 GH
Ban Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30	d Edge(n 20.00 dBm 35 dB 1200/1200 	Offset 2.4 SWT 227.	2 dB • 1 5 µs • 1	T 2-DH5 RBW 100 kH yBW 300 kH 300 kH 100 kH 100 kH 2.25 dB -52.37 dB	2480M	Auto FFT.	James Margan	ng Emi: 2.47(2.48)	2.25 dBr 695000 GH -52.37 dBr 35000 GH
Ban Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.47 Marker Type Ref	d Edge(120.00 dBm 35 dB 1200/1200 01 -16,394 01 -16,394 10	Offset 2.4 SWT 227.	2 dB 1 1 5 µs 1 GHz GHz GHz GHz	T 2-DH5	2480M	Auto FFT.	James Margan	ng Emi: 2.47(2.48)	2.25 dBr 695000 GH -52.37 dBr 35000 GH

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Ref Level 20.00 df Att 35 SGL Count 8000/80	dB SWT 18.9 µs		Mode Auto FF	Ť		
●1Pk Max	1 1		M1[1]		_	3,43 (
10 dBm			1	1	2.40	295900
TO UBIN			Mi	11.1		
0 dBm		man	margh	mon	mm	And
-10 dBm						
-10 0.00						
-20 dBm						-
-30 dBm-		1		211	1	
Seasin	m					
-40 dBm					-	
-50 dBm	1 may					
min						-
-60 dBm						
70 40-						
-70 dBm						
CF 2.402 GHz		1001	nts	_	Sn	an 8.0 M
Y						121
Spectrum	e(Hopping) NV			Ant1 Hopp	oing Em	ission
Spectrum Ref Level 20.00 da Att 35	3m Offset 2.38 dB dB SWT 227.5 µs	RBW 100 kHz		51	bing Em	ission
Spectrum Ref Level 20.00 de	3m Offset 2.38 dB dB SWT 227.5 µs	RBW 100 kHz		51	oing Em	ission
Spectrum Ref Level 20.00 dd Att 35 SGL Count 1200/12 1Pk Max	3m Offset 2.38 dB dB SWT 227.5 µs	RBW 100 kHz		51		1.77 0
Spectrum Ref Level 20.00 da Att 35 SGL Count 1200/12	3m Offset 2.38 dB dB SWT 227.5 µs	RBW 100 kHz	Mode Auto F	51	2.40	1.77 c 1405000 -47.63 c
Spectrum Ref Level 20.00 dd Att 35 SGL Count 1200/12 1Pk Max	3m Offset 2.38 dB dB SWT 227.5 µs	RBW 100 kHz	Mode Auto F	51	2.40	1.77 d 1405000 -47.63 d
Spectrum Ref Level 20.00 di Att 35 SGL Count 1200/12 1Pk Max 10 dBm	3m Offset 2.38 dB dB SWT 227.5 µs	RBW 100 kHz	Mode Auto F	51	2.40	1.77 c 1405000 -47.63 c
Spectrum Ref Level 20.00 dd Att 35 SGL Count 1200/12 1Pk Max 10 dBm 0 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz	Mode Auto F	51	2.40	1.77 ()405000 ~47.63 (
Spectrum Ref Level 20.00 dd Att 35 SGL Count 1200/12 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz	Mode Auto F	51	2.40	1.77 c 1405000 -47.63 c
Spectrum Ref Level 20.00 dk Att 35 SGL Count 1200/12 • 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz	Mode Auto F	51	2.40	1.77 d 1405000 -47.63 d
Spectrum Ref Level 20.00 dd Att 35 SGL Count 1200/12 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz	Mode Auto F	51	2.40	1.77 c 1405000 -47.63 c 10000000
Spectrum Ref Level 20.00 dk Att 35 SGL Count 1200/12 • 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz VBW 300 kHz	Mode Auto F M1[1] M2[1]	51	2.40 2.40	1.77 c 1405000 -47.63 c 0000000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Spectrum Ref Level 20.00 dk Att 35 SGL Count 1200/12 ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz VBW 300 kHz	Mode Auto F M1[1] M2[1]	FT	2.40 2.40	1.77 c 1405000 -47.63 c 0000000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Spectrum Ref Level 20.00 dd Att 35 SGL Count 1200/12 ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz VBW 300 kHz	Mode Auto F M1[1] M2[1]	FT	2.40 2.40	1.77 c 1405000 -47.63 c 0000000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Spectrum Ref Level 20.00 dk Att 35 SGL Count 1200/12 ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz	Mode Auto F	FT	2.40 2.40	1.77 d 1405000 -47.63 d 0000000 M M2 M2
Spectrum Ref Level 20.00 dk Att 35 SGL Count 1200/12 ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	3m Offset 2.38 dB dB SWT 227.5 μs 00	RBW 100 kHz VBW 300 kHz	Mode Auto F	FT	2.40 2.40	1.77 d 1405000 -47.63 d 0000000 M M2 M2
Spectrum Ref Level 20.00 dd Att 35 SGL Count 1200/12 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.306 GHz Marker Type Ref Trc	3m Offset 2.38 dB dB SWT 227.5 μs 00	 RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz 100 kHz 100 kHz 100 kHz 100 kHz 	Mode Auto F M1[1] M2[1] M2[1] Uuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuu	FT	2.40 2.40	1.77 c 1405000 -47.63 c 0006000 -47.63 c 00060000 -47.63 c 0006000 -47.63 c 000600 -47.63 c 0006000 -47.63 c 0006000 -47.63 c 0006000 -47.63 c 0006000 -47.63 c 0006000 -47.63 c -47.63 c -47.63 c -47.65 c
Spectrum Ref Level 20.00 df Att 35 SGL Count 1200/12 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	3m Offset 2.38 dB dB SWT 227.5 µs 00	RBW 100 kHz VBW 300 kHz	Mode Auto F	FT	2.40 2.40 	1.77 c 1405000 -47.63 c 0006000 -47.63 c 00060000 -47.63 c 0006000 -47.63 c 000600 -47.63 c 0006000 -47.63 c 0006000 -47.63 c 0006000 -47.63 c 0006000 -47.63 c 0006000 -47.63 c -47.63 c -47.63 c -47.65 c
Spectrum Ref Level 20.00 df Att 35 SGL Count 1200/12 • 1Pk Max • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm <td>3m Offset 2.38 dB dB SWT 227.5 µs 00 566 dBm 566 dBm X-value 2.40405 GHz 2.39 GHz</td> <td> RBW 100 kHz YBW 300 kHz YBW 300 kHz Interval and the second se</td> <td>Mode Auto F</td> <td>FT</td> <td>2.40 2.40 </td> <td>1.77 d 1405000 -47.63 d 1006000 M M M M M M M M M M M</td>	3m Offset 2.38 dB dB SWT 227.5 µs 00 566 dBm 566 dBm X-value 2.40405 GHz 2.39 GHz	 RBW 100 kHz YBW 300 kHz YBW 300 kHz Interval and the second se	Mode Auto F	FT	2.40 2.40 	1.77 d 1405000 -47.63 d 1006000 M M M M M M M M M M M
Spectrum Ref Level 20.00 df Att 35 SGL Count 1200/12 ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.306 GHz Marker Type Ref Trc M1 1	3m Offset 2.38 dB dB SWT 227.5 µs 00 566 dBm mmmmmmm, lanen web 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RBW 100 kHz VBW 300 kHz VBW 300 kHz VBW 300 kHz VBW 100 kHz VBW 100 kHz VBW 100 kHz 100 kHz VBW 100 kHz 10 kHz	Mode Auto F	FT	2.40 2.40 	1.77 d 1405000 -47.63 d 1006000 M M M M M M M M M M M

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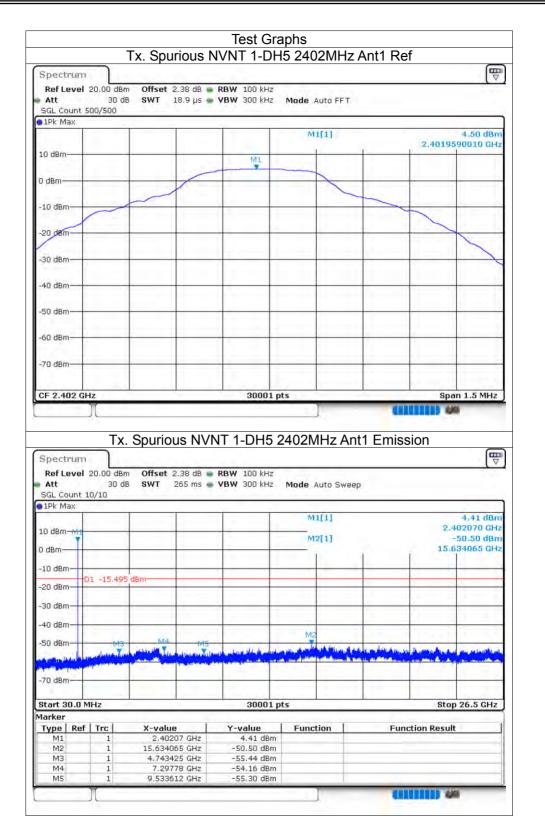




8.9 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.99	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.6	-20	Pass
NVNT	1-DH5	2480	Ant1	-55	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.23	-20	Pass
NVNT	2-DH5	2441	Ant1	-53.12	-20	Pass
NVNT	2-DH5	2480	Ant1	-54.61	-20	Pass
NVNT	3-DH5	2402	Ant1	-55.1	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.13	-20	Pass
NVNT	3-DH5	2480	Ant1	-47.2	-20	Pass





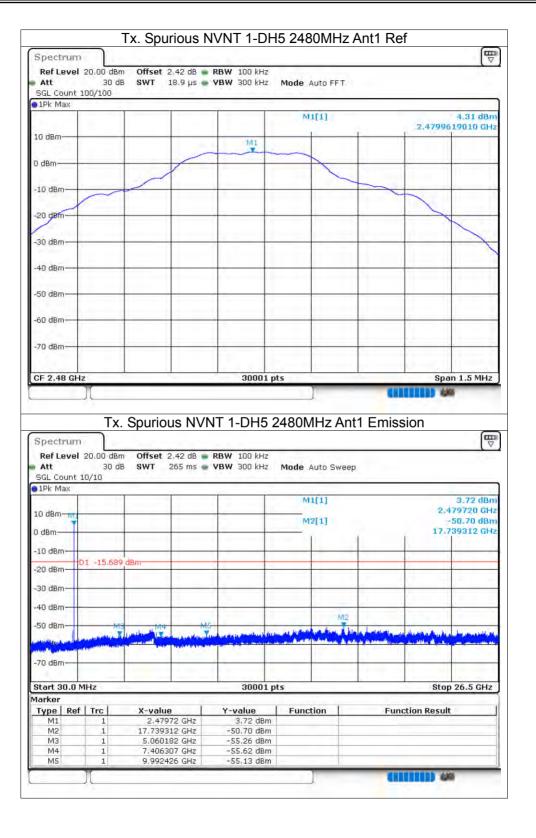


Report No.: S23051204105001

Spectrum									E
	20.00 dBm 30 dB			RBW 100 kHz VBW 300 kHz	Mode A	Auto FFT			
1Pk Max									
	÷		-		M.	1(1)	ř.	2,44096	4.76 dBm 24510 GHz
10 dBm			~	MI					
0 dBm			/				-	-	
-10 dBm						1	-		
-IO GBM				-					
-20 dBm-	-				-	-	-		
-30 dBm						1	1	1	
ou dom									
-40 dBm			-		-		-	-	-
-50 dBm									
SO GDM									
-60 dBm									
-70 dBm							_		
-yo ubiii									
CF 2.441 G	H7			30001	ntc	-		Sna	n 1.5 MHz
	N				pta	ľ	(1)		
	Л Тм	Spuriou					1 Emico		8
Co a basis		Spuriou	is NVN	T 1-DH5) 1Hz Ant	1 Emiss		
						1Hz Ant	1 Emiss		
Ref Level Att	20.00 dBm 30 dB	Offset 2.	.39 dB 🝙 I	T 1-DH5 RBW 100 kHz YBW 300 kHz	2441N				
Ref Level Att SGL Count	20.00 dBm 30 dB	Offset 2.	.39 dB 🝙 I	RBW 100 kHz	2441N				
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2.	.39 dB 🝙 I	RBW 100 kHz	2441N Mode A			sion	₩ 3.56 dBm
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2.	.39 dB 🝙 I	RBW 100 kHz	2441W Mode A	Auto Sweep		sion 2.4	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 30 dB	Offset 2.	.39 dB 🝙 I	RBW 100 kHz	2441W Mode A	Auto Sweep		sion 2.4	₩ 3.56 dBm 40900 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm-mi 0 dBm- -10 dBm-	20.00 dBm 30 dB	Offset 2. SWT 2	.39 dB 🝙 I	RBW 100 kHz	2441W Mode A	Auto Sweep		sion 2.4	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm-mi 0 dBm- -10 dBm-	20.00 dBm 30 dB 10/10	Offset 2. SWT 2	.39 dB 🝙 I	RBW 100 kHz	2441W Mode A	Auto Sweep		sion 2.4	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 10/10	Offset 2. SWT 2	.39 dB 🝙 I	RBW 100 kHz	2441W Mode A	Auto Sweep		sion 2.4	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm- -10 dBm- -20 dBm- -30 dBm-	20.00 dBm 30 dB 10/10	Offset 2. SWT 2	.39 dB 🝙 I	RBW 100 kHz	2441W Mode A	Auto Sweep		sion 2.4	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB 10/10	Offset 2. SWT 2	.39 dB 🝙 I	RBW 100 kHz	2441W Mode A	Auto Sweep 1(1) 2[1]		sion 2.4	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 10/10	Offset 2. SWT 2	.39 dB 📦 1 65 ms 🖷 '	RBW 100 kHz	2441W Mode A	Auto Sweep 1[1] 2[1] M2		sion 2.4	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 10/10	Offset 2. SWT 2	.39 dB 📦 1 65 ms 🖷 '	RBW 100 kHz	2441N Mode A M	Auto Sweep 1[1] 2[1] M2		sion 2.4	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -70 dBm	20,00 dBm 30 dB 10/10 D1 -15,243	Offset 2. SWT 2	.39 dB 📦 1 65 ms 🖷 '	RBW 100 kHz	2441N Mode A MI	Auto Sweep 1[1] 2[1] M2		2.4 17.6	3.56 dBm +0900 GHz 50.84 dBm 79314 GHz
Ref Level Att SGL Count IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0	20,00 dBm 30 dB 10/10 D1 -15,243	Offset 2. SWT 2	.39 dB 📦 1 65 ms 🖷 '	RBW 100 kHz	2441N Mode A MI	Auto Sweep 1[1] 2[1] M2		2.4 17.6	3.56 dBm 40900 GHz 50.84 dBm
Ref Level Att SGL Count 1Pk Max 1D dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 Marker Type	20,00 dBm 30 dB 10/10 01 -15,243 MHz MHz	Offset 2. SWT 2	.39 dB • 1 65 ms • 1 	RBW 100 kHz YBW 300 kHz	2441W Mode .4 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	Auto Sweep		2.4 17.6	3.56 dBm 40900 GHz 50.84 dBm 79314 GHz
Ref Level Att SGL Count IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Varker Type M1 M2	20.00 dBm 30 dB 10/10 D1 -15,243 MB MHz E Trc 1 1	Offset 2. SWT 2 dBm X-value 2.440 17.67931	39 dB 165 ms 165 ms 17	RBW 100 kHz VBW 300 kHz 300 kHz 300 kHz 300 kHz 300 kHz 200 kHz 300	2441N Mode A M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	Auto Sweep		2.4 17.6	3.56 dBm 40900 GHz 50.84 dBm 79314 GHz
Att SGL Count SGL Co	20.00 dBm 30 dB 10/10 01 -15,243 MB MHz I Trc 1 1 1	Offset 2. SWT 2/	39 dB 1 1 65 ms 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RBW 100 kHz YBW 300 kHz 300 kHz 300 kHz 300 kHz 4 50.84 dBm -50.84 dBm -50.84 dBm -50.84 dBm	2441N Mode A M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	Auto Sweep		2.4 17.6	3.56 dBm 40900 GHz 50.84 dBm 79314 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2 M3	20.00 dBm 30 dB 10/10 D1 -15,243 MB MHz E Trc 1 1	Offset 2. SWT 2: dBm dBm X-value 2.440 17.67931 4.97547	39 dB 1 1 65 ms 1 65 ms 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RBW 100 kHz VBW 300 kHz 300 kHz 300 kHz 300 kHz 300 kHz 200 kHz 300	2441W Mode A M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	Auto Sweep		2.4 17.6	3.56 dBm 40900 GHz 50.84 dBm 79314 GHz

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Spectrum									Ē
and the second second	20.00 dBm	Offset :	2.38 dB 🔳	RBW 100 kHz					
Att	30 dB			VBW 300 kHz	Mode Aut	o FFT			
SGL Count 1 1Pk Max	100/100				-				
an is man				1	MI	1			3.09 dBm
			1 2			-	. í i	2.4020	577480 GHz
10 dBm			1		M1		1		
0 dBm					-				
o ubiii	-					-	-		
10 dBm									
-20 dBm				-				-	
6.200	_								
-30 dBm	-		1						
40 db-									
-40 dBm							· · · · · · · · · · · · · · · · · · ·		
-50 dBm									
-60 dBm									
1.0									
-70 dBm								-	-
Spectrum	Л Тх	-		30001 NT 2-DH5	1	Iz Ant	1 Emiss		an 1.5 MHz
Spectrum Ref Level Att	Tx. 20.00 dBm 30 dB	Offset :	2.38 dB 🍙		2402MF		1 Emiss		
Spectrum Ref Level Att SGL Count 1	Tx. 20.00 dBm 30 dB	Offset :	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MH		1 Emiss		
Spectrum Ref Level Att SGL Count 1	Tx. 20.00 dBm 30 dB	Offset :	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MH	o Sweep	1 Emiss	sion	₩ ▼ 1.15 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max	Tx. 20.00 dBm 30 dB	Offset :	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	.1.15 dBm 402070 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm M1	Tx. 20.00 dBm 30 dB	Offset :	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MH Mode Aut	o Sweep	1 Emiss	sion	₩ ▼ 1.15 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm	Tx. 20.00 dBm 30 dB	Offset :	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm	Tx. 20.00 dBm 30 dB	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MF Mode Aut	o Sweep	1 Emiss	sion	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm 10 dBm 20 dBm 20 dBm 30 dBm 50 dBm 50 dBm 50 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402MH Mode Aut M1[1 	o Sweep	1 Emiss	2. 16.	1,15 dBm 402070 GHz -51,15 dBm 046997 GHz
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset : SWT	2.38 dB 🍙	NT 2-DH5 RBW 100 kHz	2402MH Mode Aut M1[1 	o Sweep	1 Emiss	2. 16.	1.15 dBm 402070 GHz -51.15 dBm
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm Start 30.0 N Varker Type Ref	Tx. 20,00 dBm 30 dB 10/10	Offset : SWT dBm M4	2.38 dB	NT 2-DH5 RBW 100 kHz VBW 300 kHz 	2402MH Mode Aut M1[1 M2[1 M2[1 M2[1 M2]1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	o Sweep		2. 16.	1,15 dBm 402070 GHz -51.15 dBm 046997 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max ID dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Tx. 20.00 dBm 30 dB 10/10 21 -16.910 21 -16.910 21 -16.910 443 443 444 444 444 444 444 44	Offset : SWT dBm M4 X-value 2.402	2.38 dB 265 ms	NT 2-DH5 RBW 100 kHz VBW 300 kHz 	2402MH Mode Aut M1[1 M2[1 M2[1 M2[1 M2]1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	o Sweep		sion 2. 16.	1,15 dBm 402070 GHz -51.15 dBm 046997 GHz
Att SGL Count 1 SGL Count 1 SGL Count 1 SGL Count 1 SGL Count 1 STORMARY Stort 30.0 N Aarker Type Ref	Tx. 20,00 dBm 30 dB 10/10	Offset : SWT dBm M4 X-value 2.402 16.0469	2.38 dB 265 ms	NT 2-DH5 RBW 100 kHz VBW 300 kHz 	2402MH	o Sweep		sion 2. 16.	1,15 dBm 402070 GHz -51.15 dBm 046997 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -50 dBm -70 dBm -7	Tx. 20,00 dBm 30 dB 10/10 21 -16.910 21 -16.910	Offset : SWT dBm M4 X-value 2.402 16.0469 4.9225 7.029	2.38 dB	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402MH Mode Aut M1[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1] M2[1 M2[1 M2[1] M2[1 M2[1] M2[1 M2[1]	o Sweep		sion 2. 16.	1,15 dBm 402070 GHz -51.15 dBm 046997 GHz
Spectrum Ref Level Att SGL Count 1 SGL Count 1 SGL Count 1 SGL Count 1 SGL Count 1 D dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm Start 30.0 N Marker Type Ref M1 M2 M3	Tx. 20.00 dBm 30 dB 10/10 21 -16.910 21 -16.910	Offset : SWT dBm M4 X-value 2.402 16.0469 4.9225 7.029	2.38 dB 265 ms	NT 2-DH5 RBW 100 kHz VBW 300 kHz 	2402MH Mode Aut M1[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1 M2[1] M2[1 M2[1 M2[1] M2[1 M2[1] M2[1 M2[1]	o Sweep		sion 2. 16.	1,15 dBm 402070 GHz -51.15 dBm 046997 GHz



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Spectrum							
Att			dB 🗰 RBW 100 kHz Us 🖮 VBW 300 kHz	Mode Auto	FFT.		
SGL Count : 1Pk Max	100/100						
				M1[1]	1	1.0	2,87 dBm
					1.1	2,44097	72010 GHz
10 dBm			MI				
0 dBm				~~			
tu dBm-							
							1
-20 dBm	-					-	
6.2-41							1
-30 dBm	1						
-40 dBm							
a sign							· · · · · · · · · · · · · · · · · · ·
-50 dBm							
-60 dBm						-	
1.0							
-70 dBm							·
1.2.1				· · · · · · · · · · · · · · · · · · ·			1.000
		·					
	JCTx.	Spurious N	30001 NVNT 2-DH5		z Ant1 Em		n 1.5 MHz
Spectrum	Л Тх.		NVNT 2-DH5		z Ant1 Em		n 1.5 MHz
Spectrum	Tx. 20,00 dBm	Offset 2.39 c		2441MH			
Spectrum Ref Level Att SGL Count :	Tx. 20,00 dBm 30 dB	Offset 2.39 c		2441MH			
Spectrum Ref Level Att SGL Count :	Tx. 20,00 dBm 30 dB	Offset 2.39 c		2441MH) Sweep		(
Spectrum Ref Level Att SGL Count : 1Pk Max	Tx. 20,00 dBm 30 dB	Offset 2.39 c		2441MH Mode Auto M1[1) Sweep	ission 2.4	2.37 dBm 40900 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm	Tx. 20,00 dBm 30 dB	Offset 2.39 c		2441MH) Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm M3 0 dBm	Tx. 20,00 dBm 30 dB	Offset 2.39 c		2441MH Mode Auto M1[1) Sweep	ission 2.4	2.37 dBm 40900 GHz
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm 10 dBm -10 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n		2441MH Mode Auto M1[1) Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm	Tx. 20,00 dBm 30 dB	Offset 2.39 c SWT 265 n		2441MH Mode Auto M1[1) Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n		2441MH Mode Auto M1[1) Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n		2441MH Mode Auto M1[1) Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n		2441MH Mode Auto M1[1) Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n		2441MH Mode Auto M1[1, M2[1]	o Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n		2441MH Mode Auto M1[1	o Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n		2441MH Mode Auto M1[1, M2[1]	o Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n	NVNT 2-DH5	2441MH	o Sweep	ission 2.4	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm	Tx. 20.00 dBm 30 dB 10/10	Offset 2.39 c SWT 265 n		2441MH	o Sweep	22.7	2.37 dBm 40900 GHz 50.25 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -30 dBm -40 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm	Tx. 20.00 dBm 30 dB 10/10 01 -17.130	Offset 2.39 o SWT 255 n	NVNT 2-DH5	2441MH	o Sweep	2.4 22.7	2.37 dBm 40900 GHz 50.25 dBm 98612 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 20.00 dBm 30 dB 10/10 01 -17.130	Offset 2.39 c SWT 265 n	NVNT 2-DH5	2441MH Mode Auto MI[1] M2[1] M2[1] pts	o Sweep	22.7	2.37 dBm 40900 GHz 50.25 dBm 98612 GHz
Spectrum Ref Level Att SGL Count : IPk Max ID dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 d	Tx. 20.00 dBm 30 dB 10/10 D1 -17.130 01 -17.130 MHz I Trc 1 1	Offset 2.39 G SWT 265 n	NVNT 2-DH5	2441MH	o Sweep	2.4 22.7	2.37 dBm 40900 GHz 50.25 dBm 98612 GHz
Spectrum Ref Level Att SGL Count : IPK Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -50 dBm -70	Tx. 20.00 dBm 30 dB 10/10 01 -17.130 01 -17.130 MB MHz 1 Trc 1	Offset 2.39 G SWT 265 n	NVNT 2-DH5	2441MH	o Sweep	2.4 22.7	2.37 dBm 40900 GHz 50.25 dBm 98612 GHz

ilac-MR

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	rum				NVNT 2-D					E
Ref L	evel :	20.00 dBr			RBW 100 kHz					
Att SGL Co	unt 1		SWT	18.9 µs 🍝	VBW 300 kHz	Mode	Auto FFT			
1Pk M		30/100			-	_				
						N	11[1]			3.54 dBm
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-50 dBn	n					-				
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-ou abn				1			1		1.222	
-70 dBn	1				1	-	-		1	. : <u>-</u>
				1.5	1.1.1					
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01 211	o arre									
Spect	rum	Tx.	Spurio	us NVI	NT 2-DH5) VIHz An	t1 Emis		
Ref L		20.00 dBr	n Offset 2	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	5 2480I				
Ref L Att	evel :	20.00 dBr 30 dI	n Offset 2	2.42 dB 🍺	NT 2-DH5	5 2480I				
Ref L Att SGL Co	evel :	20.00 dBr 30 dI	n Offset 2	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	5 2480I				
Ref L Att SGL Co 1Pk M	evel : ount 11 ax	20.00 dBr 30 dI	n Offset 2	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 2 2 2 3 3			sion	2.17 dBm
Ref L Att SGL Co 1Pk M	evel : ount 11 ax	20.00 dBr 30 dI	n Offset 2	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion	The second secon
Ref L Att SGL Co 1Pk M	evel 3 ount 10 ax	20.00 dBr 30 dI	n Offset 2	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz
Ref Lo Att SGL Co 1Pk M 10 dBm	evel :	20.00 dBr 30 dI	n Offset 2	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
Ref L Att SGL Cc 1Pk M 10 dBm 0 dBm-	evel : ount 10 ax M1	20.00 dBr 30 dI	n Offset 2 3 SWT	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
Ref Lu Att SGL Cc TPk M 10 dBm 0 dBm- -10 dBm -20 dBm	M3	20,00 dBr 30 dl 0/10	n Offset 2 3 SWT	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
Ref Lu SGL Co IPk M 10 dBm -10 dBm -20 dBm -30 dBm	M3	20,00 dBr 30 dl 0/10	n Offset 2 3 SWT	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
Ref Lu SGL Co 1Pk M 10 dBm -10 dBm -20 dBm -30 dBm	M3	20,00 dBr 30 dl 0/10	n Offset 2 3 SWT	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
Ref Li Att SGL Cc 1Pk M 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	M3	20,00 dBr 30 dl 0/10	n Offset 2 3 SWT	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
Ref Li Att SGL Cc 1Pk M 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	M3	20,00 dBr 30 dl 0/10	n Offset 2 3 SWT	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
Ref Lu SGL Cc IPk M 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	evel : ount 10 ax M3 m m m m m m m m m m m m m	20,00 dBr 30 dl 0/10	n Offset 2 3 SWT	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
Ref Li SGL Cc SGL SGL SGL SGL SGL SGL SGL SGL SGL SGL	evel : ount 10 ax M3 m m m m m m m m m m m m m	20,00 dBr 30 dl 0/10	n Offset 2 3 SWT	2.42 dB 🍺	NT 2-DH5 RBW 100 kHz	24801 2 Mode	Auto Swee		sion 2.4	2.17 dBm 79720 GHz 51.07 dBm
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Ref Li Att SGL Cc. SGL Cc. SGL Cc. IPK M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -60 dBm -70 dBm Start 3 Narker	evel : ount 11 ax M3 m D n D n n D n n D n n D n n D n n D n n D n n n n n n n n n n n n n	20.00 dBr 30 dl p/10 1 -16.456	dBm	2.42 dB 265 ms	NT 2-DH5	2 24801 2 Mode	Auto Swee		2.4 17.6	2.17 dBm 79720 GHz 51.07 dBm 81961 GHz
Ref L Att SGL Cc 1Pk M 10 dBm -10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm Stort 3 Marker Type M1	evel : ount 11 ax M3 m D n D n n D n n D n n D n n D n n D n n D n n n n n n n n n n n n n	20.00 dBr 30 di 0/10 1 -16.456 /// Hz Trc 1 1	dBm	2.42 dB 265 ms	NT 2-DH5 RBW 100 kH2 VBW 300	24801	Auto Swee		2.4 17.6	2.17 dBm 79720 GHz 51.07 dBm 81961 GHz
Ref Li Att SGL Cc. SGL Cc. IPk M 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm Start 3 Marker Type M1 M2	evel : ount 11 ax M3 m D n D n n D n n D n n D n n D n n D n n D n n n n n n n n n n n n n	20.00 dBr 30 dl 0/10 1 -16.45c Hz Hz Trc 1 1	dBm X-value 2.479 17.6819	2.42 dB 265 ms	NT 2-DH5	2 24801	Auto Swee		2.4 17.6	2.17 dBm 79720 GHz 51.07 dBm 81961 GHz
Ref L Att SGL Cc 1PK M 10 dBm -10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm Start 3 Marker M1 M2 M3 M4	evel : ount 11 ax M3 m D n D n n D n n D n n D n n D n n D n n D n n n n n n n n n n n n n	20.00 dBr 30 di 0/10 1 -16.456 1 -16.456 Hz Hz Trc 1 1 1 1	Contract 2 Contract 2 Contra	2.42 dB 265 ms 2	NT 2-DH5 RBW 100 kH2 VBW 300	2 24801 2 Mode 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Auto Swee		2.4 17.6	2.17 dBm 79720 GHz 51.07 dBm 81961 GHz
Att SGL Cc SGL CC S	evel : ount 11 ax M3 m D n D n n D n n D n n D n n D n n D n n D n n n n n n n n n n n n n	20.00 dBr 30 db 0/10 1 -16.456 1 -16.456 Hz Hz Tre 1 1 1	Contract 2 Contract 2 Contra	2.42 dB 265 ms	NT 2-DH5 RBW 100 kH2 VBW 300 kH2 VBW 300 kH2 VBW 300 kH2 3000 l 2.17 dB -51.07 dB -51.07 dB -51.07 dB	2 24801 2 Mode 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Auto Swee		2.4 17.6	2.17 dBm 79720 GHz 51.07 dBm 81961 GHz



Certificate #4298.01

Spect	rum				VNT 3-DI					
1.0		20.00 de	m Offset	2.38 dB 🖷	RBW 100 kHz					1.
Att					VBW 300 kHz	Mode Aut	to FFT			
SGL C		100/100								
TLEV IN			1		1 1	MI[11			3.71 dBm
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to dBr										
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-30 dBr	n	-	_		1			_		
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SO dBr	n		1							
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Spect	trum)() т>	. Spuric	ous NVI	NT 3-DH5]	lz An	t1 Emiss		n 1.5 MHz
Ref L)[m Offset	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MH				
Ref L Att SGL C	evel)[m Offset	2.38 dB 🖷	NT 3-DH5	2402MF				
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Ref L Att SGL Co 1Pk M	ount 1 lax)[m Offset	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MH	to Swee		sion	2.42 dBm
Ref L Att SGL Co 1Pk M	ount 1 lax)[m Offset	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MH Mode Aut	to Swee		sion 2.4	2.42 dBm 02070 GHz 51.39 dBm
Ref L Att SGL Co 1Pk M	ount 1 lax)[m Offset	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut	to Swee		sion 2.4	.42 dBm 02070 GHz
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Ref L Att SGL Co 1Pk M 10 dBm 0 dBm-	evel)[Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut	to Swee		sion 2.4	2.42 dBm 02070 GHz 51.39 dBm
Ref L Att SGL CO 1Pk M 10 dBm 0 dBm- 10 dBm- 20 dBr	evel	T> 20,00 dE 30	Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut	to Swee		sion 2.4	2.42 dBm 02070 GHz 51.39 dBm
Ref L Att SGL CO 1Pk M 10 dBm 0 dBm- 10 dBm- 20 dBr	evel	T> 20,00 dE 30	Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut	to Swee		sion 2.4	2.42 dBm 02070 GHz 51.39 dBm
Ref L Att SGL Co 1Pk M 10 dBm -10 dBm -20 dBr -30 dBr	evel	T> 20,00 dE 30	Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut	to Swee		sion 2.4	2.42 dBm 02070 GHz 51.39 dBm
Ref L Att SGL Co 1Pk M 10 dBm 0 dBm- 10 dBm 20 dBm -20 dBr -30 dBr -40 dBr	evel	T> 20,00 dE 30	Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut	to Swee		sion 2.4	2.42 dBm 02070 GHz 51.39 dBm
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Ref L Att SGL Co 1Pk M 10 dBm 0 dBm- 10 dBm 20 dBm -20 dBr -30 dBr -40 dBr	evel	T> 20,00 dE 30	Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut	to Swee		sion 2.4	2.42 dBm 02070 GHz 51.39 dBm
Ref L Att SGL Co 1Pk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	evel	T> 20,00 dE 30	Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut	to Swee		sion 2.4	2.42 dBm 02070 GHz 51.39 dBm
Ref L Att SGL C: SGL D: 1Pk M 10 dBm- 0 dBm- 10 dBm 20 dBr 20 dBr 30 dBr 40 dBr 50 dBr 50 dBr 70 dBr	MI m m m m m m m m m m m m m m m m m m m	T 20,00 de 30 10/10	Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz VBW 300 kHz	2402MF Mode Aut M1[: 	to Swee		2.4 	2.42 dBm 02070 GHz 51.39 dBm 59646 GHz
Ref L Att SGL Ci 1Pk M 10 dBm 10	evel	T 20,00 de 30 10/10	Im Offset IB SWT	2.38 dB 🖷	NT 3-DH5 RBW 100 kHz	2402MF Mode Aut M1[: 	to Swee		2.4 	2.42 dBm 02070 GHz 51.39 dBm
Ref L Att SGL Cid SG dBr	evel bunt 1 lax m m m m m m m m m m m m m m m m m m m	T) 20.00 dE 30 10/10 01 -16.29	Im Offset IB SWT	2.38 dB 265 ms	NT 3-DH5 RBW 100 kHz YBW 300 kHz 	2402MF Mode Aut M1[: M2[: M2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2	to Swee	P	2.4 	2.42 dBm 02070 GHz 51.39 dBm 59646 GHz
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Ref L Att SGL CC SGL CC IPK M 10 dBm 10 dBm -10 dBr -20 dBr -30 dBr -30 dBr -50 dBr -50 dBr Start 3 Marker M1 M2	evel ount 1 lax M1 n n n n n s0.0 M	T) 20,00 dE 30 10/10 01 -16.29 01 -16.29 14 14 14 1 1	m Offset dB SWT	2.38 dB 265 ms	NT 3-DH5 RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz	2402MF Mode Aut M1[: M2[M2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2 m2	to Swee	P	2.4 	2.42 dBm 02070 GHz 51.39 dBm 59646 GHz
Ref L Att Att SGL Cd SGL Cd 1Pk M 10 dBm 0 -10 dBm - -20 dBm - -30	evel ount 1 lax M1 m n n n BB.0.0 M	T) 20,00 dE 30 10/10 01 -16.29 01 -16.29 01 -16.29 01 -16.29 01 -16.29 01 -16.29	m Offset dB SWT 44 dBm 44 d	2.38 dB 265 ms	NT 3-DH5 RBW 100 kHz VBW 300 kHz VBW 300 kHz 300 kHz VBW 300 kHz VBW 400 kHz	2402MF	to Swee	P	2.4 	2.42 dBm 02070 GHz 51.39 dBm 59646 GHz
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Att SGL C: 1Pk M 10 dBm -10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -3	evel ount 1 lax M1 m n n n BB.0.0 M	Ty 20.00 df 30 10/10 91 -16.29 1Hz 1Hz	Min Offset dB SWT dB SWT	2.38 dB 265 ms 265 ms	NT 3-DH5 RBW 100 kHz VBW 300 kHz VBW 300 kHz 300 kHz 300 kHz 4 4 4 4 4 4 4 4 4 4 4 4 4	2402MH	to Swee	P	2.4 	2.42 dBm 02070 GHz 51.39 dBm 59646 GHz



Spectr	um			NVNT 3-DI					
Ref Le	vel 20.00 d			RBW 100 kHz					1.
	30 unt 200/200	dB SWT	18.9 µs 🖷	VBW 300 kHz	Mode .	Auto FFT			
1Pk Ma									
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-40 dBm-		-	-	-		-	-		
-50 dBm-									1
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Spectr		x. Spuri	ous NV	NT 3-DH5) /Hz An	t1 Emiss		
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Ref Le Att SGL Cou	rum evel 20.00 d 30 unt 10/10	Bm Offset	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N				
Ref Le Att	rum evel 20.00 d 30 unt 10/10	Bm Offset	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode			sion	
Ref Le Att SGL Cou 1Pk Ma	rum evel 20.00 d 30 unt 10/10	Bm Offset	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm 40900 GHz
Ref Le Att SGL Cou 1Pk Ma	rum evel 20.00 d 30 unt 10/10	Bm Offset	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm
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Ref Le Att SGL Cou 1Pk Ma 1Pk Ma 10 dBm- 0 dBm-	rum evel 20.00 d 30 unt 10/10 ax	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm 40900 GHz 51.10 dBm
Ref Le Att SGL Cou 1Pk Ma 1Pk Ma 10 dBm- 0 dBm-	rum evel 20.00 d 30 unt 10/10 ax M3 D1 -17.9	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm 40900 GHz 51.10 dBm
Ref Le Att SGL Cou 1Pk Ma 10 dBm- 0 dBm- -10 dBm-	M3 01 -17,9	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm 40900 GHz 51.10 dBm
Ref Le Att SGL Cou 1Pk Ma 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	M3	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm 40900 GHz 51.10 dBm
Ref Le Att SGL Could 1Pk Ma 1D dBm- 0 dBm -10 dBm- -20 dBm- -30 dBm-	M3	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm 40900 GHz 51.10 dBm
Ref Le Att SGL Cou 1Pk Ma 1D dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm-	Puer 20.00 d 30 unt 10/10 3X M1 D1 -17.9	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm 40900 GHz 51.10 dBm
Ref Le Att SGL Cou 1Pk Ma 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	Puer 20.00 d 30 unt 10/10 3X M1 D1 -17,9	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode	Auto Swee		sion 2.4	-0.65 dBm 40900 GHz 51.10 dBm
Ref Le Att SGL Cou IPk Ma IPk Ma 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -50 dBm- -70 dBm-	-um	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5	2441N Mode . M	Auto Swee		2.4 17.7	-0.65 dBm 40900 GHz 51.10 dBm 11960 GHz
Ref Le Att SGL Cou IPk Ma IPk Ma 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -50 dBm- -70 dBm-	Puer 20.00 d 30 unt 10/10 3X M1 D1 -17,9	Bm Offset dB SWT	t 2.39 dB 🖷	NT 3-DH5 RBW 100 kHz	2441N Mode . M	Auto Swee		2.4 17.7	-0.65 dBm 40900 GHz 51.10 dBm
Ref Le Att SGL Could SGL Could 1Pk Ma 1D dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- -70 dBm- -70 dBm- Start 30 Marker Type	Puer 20.00 d 30 unt 10/10 xx M1 D1 -17.9 D.0 MHz Ref Trc	Bm Offset dB SWT	t 2.39 dB 265 ms	NT 3-DH5 RBW 100 kHz VBW 300 kHz	2441N Mode . M 	Auto Swee	P	2.4 17.7	-0.65 dBm 40900 GHz 51.10 dBm 11960 GHz
Ref Le Att SGL Could 1Pk Ma 1D dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -70 dBm- -50 dBm- -50 dBm- -50 dBm- -70 dBm- Start 30 Marker Type M1	Pret 20,00 d 30 unt 10/10 3X M1 D1 -17,9 D1 -17,9 D.0 MHz Ref Trc 1	Bm Offset dB SWT 70 dBm 70 dBm X-val	t 2.39 dB 265 ms	NT 3-DH5 RBW 100 kHz VBW 300 kHz S S 30001 Y-value -0.65 dBm	2441N Mode . M M M M	Auto Swee	P	2.4 17.7	-0.65 dBm 40900 GHz 51.10 dBm 11960 GHz
Ref Le Att SGL Cou 1Pk Ma 1D dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- -70 dBm- <td>Puer 20.00 d 30 unt 10/10 xx M1 201 -17,9 201 -17,9 201</td> <td>Bm Offset dB SWT 70 dBm 70 dBm X-val 2, 17,7 5,00</td> <td>t 2.39 dB 265 ms</td> <td>NT 3-DH5 RBW 100 kHz YBW 300 kHz</td> <td>2441N Mode M m pts</td> <td>Auto Swee</td> <td>P</td> <td>2.4 17.7</td> <td>-0.65 dBm 40900 GHz 51.10 dBm 11960 GHz</td>	Puer 20.00 d 30 unt 10/10 xx M1 201 -17,9 201	Bm Offset dB SWT 70 dBm 70 dBm X-val 2, 17,7 5,00	t 2.39 dB 265 ms	NT 3-DH5 RBW 100 kHz YBW 300 kHz	2441N Mode M m pts	Auto Swee	P	2.4 17.7	-0.65 dBm 40900 GHz 51.10 dBm 11960 GHz
Ref Le Att SGL Could SGL Could 1Pk Ma 1D dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -40 dBm- -50 dBm- -70 dBm- Start 30 Marker Type M1 M2 M3 M4	Preum 20.00 d 30 uunt 10/10 ax M1 D1 -17.9 D1 -17.9 D.0 MHz Ref Trc 1 1 1 1	Bm Offset dB SWT 70 dBm 70 dBm	t 2.39 dB 265 ms	NT 3-DH5 RBW 100 kHz VBW 300 kHz VBW 300 kHz S S S S S S S S S S S S S	2441N Mode . M 	Auto Swee	P	2.4 17.7	-0.65 dBm 40900 GHz 51.10 dBm 11960 GHz
Ref Le Att SGL Cou 1Pk Ma 1D dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- -70 dBm- <td>Puer 20.00 d 30 unt 10/10 xx M1 201 -17,9 201 -17,9 201</td> <td>Bm Offset dB SWT 70 dBm 70 dBm</td> <td>t 2.39 dB 265 ms</td> <td>NT 3-DH5 RBW 100 kHz YBW 300 kHz</td> <td>2441N Mode . M </td> <td>Auto Swee</td> <td>p</td> <td>2.4 17.7</td> <td>-0.65 dBm 40900 GHz 51.10 dBm 11960 GHz</td>	Puer 20.00 d 30 unt 10/10 xx M1 201 -17,9 201	Bm Offset dB SWT 70 dBm 70 dBm	t 2.39 dB 265 ms	NT 3-DH5 RBW 100 kHz YBW 300 kHz	2441N Mode . M 	Auto Swee	p	2.4 17.7	-0.65 dBm 40900 GHz 51.10 dBm 11960 GHz



Ref Level : Att SGL Count 1Pk Max	35 dB			RBW 100 kHz YBW 300 kHz	Mode Auto	FFT			
10.10-					WT[:	u)	1	2.47988	1,42 dBn 51540 GH
10 dBm			1	MI			1		
0 dBm	~								
10 dBm-			-			-			
-20 dBm				-					
-30 dBm			_		_				
40 dbm									
-40 dBm			-				-		
-50 dBm									
-60 dBm					-			1	
-70 dBm									
CF 2.48 GH	z	_	-	30001	pts	-	-	Spa	n 1.5 MHz
Ref Level : Att SGL Count	20.00 dBm 35 dB	Offset 2.4	2 dB 🐞 I	NT 3-DH5 RBW 100 kHz YBW 300 kHz			1 Emis	sion	∏
Ref Level : Att SGL Count 1Pk Max	20.00 dBm 35 dB	Offset 2.4	2 dB 🐞 I	RBW 100 kHz	Mode Auto) Sweep	1 Emis	2.4	0.82 dBn 79720 GH
Ref Level : Att SGL Count 1Pk Max 10 dBm M1 0 dBm	20.00 dBm 35 dB	Offset 2.4	2 dB 🐞 I	RBW 100 kHz	Mode Auto) Sweep	1 Emis	2.4	0.82 dBn
Ref Level 3 Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm	20.00 dBm 35 dB 10/10	Offset 2,4 SWT 26	2 dB 🐞 I	RBW 100 kHz	Mode Auto) Sweep	1 Emis	2.4	0.82 dBn 79720 GH 45.79 dBn
Ref Level 3 Att SGL Count 1Pk Max 10 dBm M1 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB 10/10	Offset 2,4 SWT 26	2 dB 🐞 I	RBW 100 kHz	Mode Auto) Sweep	1 Emis	2.4	0.82 dBn 79720 GH 45.79 dBn
SGL Count 1Pk Max 10 dBm-	20.00 dBm 35 dB 10/10	Offset 2,4 SWT 260	2 dB 🐞 I	RBW 100 kHz	Mode Auto) Sweep	1 Emis	2.4	0.82 dBn 79720 GH 45.79 dBn
Ref Level SGL Count SGL Count IPk Max IPk Max M1 0 dBm M1 -10 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 35 dB 10/10	Offset 2,4 SWT 260	2 dB • 1 5 ms • 1	RBW 100 kHz YBW 300 kHz	Mode Auto) Sweep		6.9	0.82 dBn 79720 GH 45.79 dBn
Ref Level : Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 35 dB 10/10	Offset 2,4 SWT 26	2 dB • 1 5 ms • 1	RBW 100 kHz VBW 300 kHz	Mode Auto) Sweep		6.9	0.82 dBn 79720 GH 45.79 dBn 74846 GH
Ref Level : Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 35 dB 10/10	Offset 2,4 SWT 26	2 dB • 1 5 ms • 1	RBW 100 kHz VBW 300 kHz	Mode Auto) Sweep		6.9	0.82 dBn 79720 GH 45.79 dBn 74846 GH
Ref Level : Att SGL Count IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm -70 dBm	20.00 dBm 35 dB 10/10 D1 -18,584	Offset 2,4 SWT 26	2 dB • 1 5 ms • 1	RBW 100 kHz VBW 300 kHz	Mode Auto) Sweep		2.4 6.9	0.82 dBn 79720 GH 45.79 dBn 74846 GH
Ref Level : Att SGL Count IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm -70 dBm	20.00 dBm 35 dB 10/10 D1 -18,584 M3 MHz	Offset 2,4 SWT 26	2 dB 1 5 ms 1 5	RBW 100 kHz yBW 300 kHz	Mode Auto	5 Sweep		2.4 6.9	0.82 dBn 79720 GH 45.79 dBn 74846 GH
Ref Level SGL Count IPk Max IPk Max 10 dBm M1 0 dBm M1 -10 dBm -0 -20 dBm -0 -30 dBm -0 -40 dBm -0 -50 dBm -0 -70 dBm -0 -70 dBm -0 -70 dBm M1 M2 M3	20.00 dBm 35 dB 10/10 D1 -18,584 M3 MHz MHz I Trc I 1 1 1	Offset 2,4 SWT 263 dBm dBm M2 white M4 x-value 2.47977 6.974844 5.008125	2 dB 1 1 5 ms 1 5 ms 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	RBW 100 kHz YBW 300 kHz	Mode Auto	5 Sweep		2.4 6.9	0.82 dBn 79720 GH 45.79 dBn 74846 GH