

## RADIO TEST REPORT FCC ID: 2ANMU-RT5

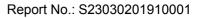
Product: Tablet Trade Mark: OUKITEL Model No.: RT5 Family Model: N/A Report No.: S23030201910001 Issue Date: Mar 28, 2023

## **Prepared for**

SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA,SHENZHEN CHINA

## **Prepared by**

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## **1 TEST RESULT CERTIFICATION**

Applicant's name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA,SHENZHEN CHINA
Manufacturer's Name	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA,SHENZHEN CHINA
Product description	
Product name:	Tablet
Trade Mark:	OUKITEL
Model and/or type reference:	RT5
Family Model:	N/A
Test Sample number:	S230302019011

#### 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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Date of Test	:	Mar 02, 2023 ~ Mar 28, 2023
Testing Engineer	:	Mukzi Lee
		(Mukzi Lee)
Authorized Signatory		Alese
, lation200 elgilatory	·	(Alex Li)



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

Remark:

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



## **3 FACILITIES AND ACCREDITATIONS**

#### 3.1 FACILITIES

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

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

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

#### 3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description	
CNAS-Lab.	The Certificate Registration Number is L5516.
IC-Registration	The Certificate Registration Number is 9270A.
	CAB identifier:CN0074
FCC- Accredited	Test Firm Registration Number: 463705.
	Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01
	This laboratory is accredited in accordance with the recognized
	International Standard ISO/IEC 17025:2005 General requirements for
	the competence of testing and calibration laboratories.
	This accreditation demonstrates technical competence for a defined
	scope and the operation of a laboratory quality management system
	(refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).
Name of Firm	Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang
	Street, Bao'an District, Shenzhen 518126 P.R. China.

#### 3.3 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(30MHz~1GHz)	±2.64dB
5	All emissions, radiated(1GHz~6GHz)	±2.40dB
6	All emissions, radiated(>6GHz)	±2.52dB
7	Temperature	±0.5°C
8	Humidity	±2%
9	All emissions, radiated(9KHz~30MHz)	±6dB

## 4 GENERAL DESCRIPTION OF EUT

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Product Feature and Specification		
Tablet		
OUKITEL		
2ANMU-RT5		
RT5		
N/A		
N/A		
2402MHz~2480MHz		
GFSK, π/4-DQPSK, 8-DPSK		
79 Channels		
FPC Antenna		
0.94 dBi		
Model: HJ-PD33W-US Input: 100-240V~50/60Hz 0.8A Output: 5.0V3.0A OR 9.0V3.0A OR 12.0V2.75A 33.0W MAX		
DC 3.85V, 10000mAh, 38.5Wh		
DC 3.85V from battery or DC 5V from Adapter.		
TP718_MAIN_PCB_V1.1		
OUKITEL_RT5_EEA_V01		

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.

Note 2: The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.



Revision History				
Report No.         Version         Description         Issued Date				
S23030201910001	Rev.01	Initial issue of report	Mar 28, 2023	



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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.

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

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

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

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

Carrier Frequency and Channel list:

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

Note: fc=2402MHz+k×1MHz k=0 to 78

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

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

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

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

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

For Conducted Test Cases			
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.

NTEK JLW®	Report No.: S2303020191000
6 SETUP OF EQUIPMENT UNDER TEST	
6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM For AC Conducted Emission Mode	
EUTAE-1Adapter	AC PLUG
For Radiated Test Cases	
EUT	
For Conducted Test Cases	
Measurement C-2 EUT	
Note: 1. The temporary antenna connector is soldered on the PCB and this temporary antenna connector is listed in the equipment lis 2. EUT built-in battery-powered, the battery is fully-charged.	board in order to perform conducted tests st.



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.

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Item	Equipment	Model/Type No.	Series No.	Note
AE-1	Adapter	HJ-PD33W-US	N/A	Peripherals

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

#### Notes:

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

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## 6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

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#### Radiation& Conducted Test equipment

laulatic		estequipment					
	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2022.04.01	2023.03.31	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2022.04.01	2023.03.31	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2022.06.16	2023.06.15	1 year
4	Test Receiver	R&S	ESPI7	101318	2022.04.06	2023.04.05	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2022.03.30	2023.03.29	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2022.03.31	2023.03.30	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	2023.06.16	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	2023.06.15	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	2020.04.07	2023.04.06	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 Co	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	2022.04.06	2023.04.05	1 year
2	LISN	R&S	ENV216	101313	2022.04.06	2023.04.05	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2022.04.06	2023.04.05	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year

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

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#### 7.1.1 Applicable Standard

According to FCC Part 15.207(a)

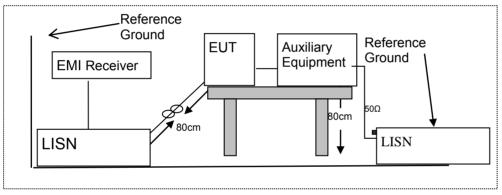
#### 7.1.2 Conformance Limit

	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.
- 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.
- 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

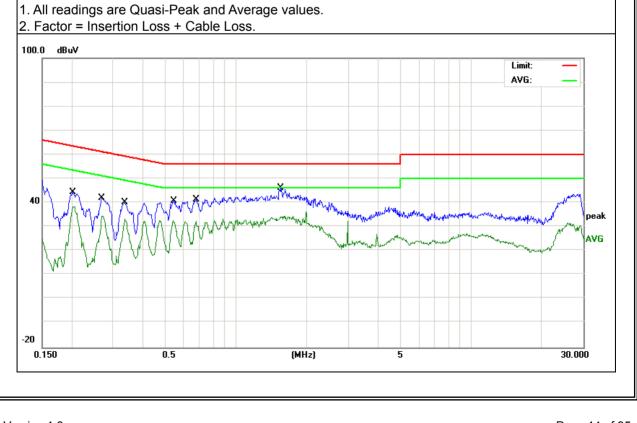


## 7.1.6 Test Results

	1		
EUT:	Tablet	Model Name :	RT5
Temperature:	<b>22</b> ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-men t	Limits	Margin	Remar
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	k
0.2020	34.75	9.62	44.37	63.52	-19.15	QP
0.2020	28.84	9.62	38.46	53.52	-15.06	AVG
0.2700	32.26	9.63	41.89	61.12	-19.23	QP
0.2700	24.85	9.63	34.48	51.12	-16.64	AVG
0.3379	30.51	9.65	40.16	59.25	-19.09	QP
0.3379	23.68	9.65	33.33	49.25	-15.92	AVG
0.5460	31.14	9.66	40.80	56.00	-15.20	QP
0.5460	22.16	9.66	31.82	46.00	-14.18	AVG
0.6820	31.54	9.67	41.21	56.00	-14.79	QP
0.6820	21.59	9.67	31.26	46.00	-14.74	AVG
1.5540	36.34	9.67	46.01	56.00	-9.99	QP
1.5540	24.27	9.67	33.94	46.00	-12.06	AVG

#### Remark:



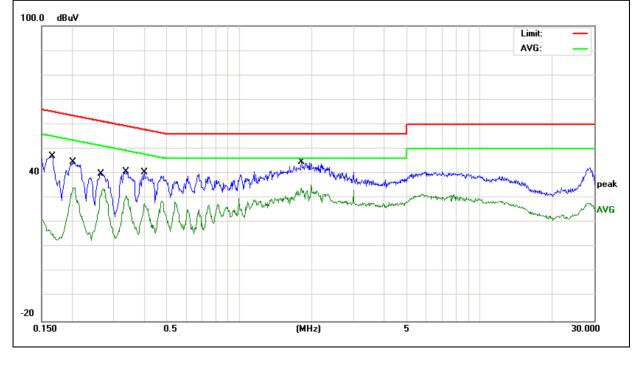


EUT:	Tablet	Model Name :	RT5
Temperature:	<b>25</b> °C	Relative Humidity:	62%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-men t	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Roman
0.1660	37.42	9.65	47.07	65.15	-18.08	QP
0.1660	5.23	9.65	14.88	55.15	-40.27	AVG
0.2028	34.93	9.62	44.55	63.49	-18.94	QP
0.2028	24.39	9.62	34.01	53.49	-19.48	AVG
0.2644	30.22	9.63	39.85	61.29	-21.44	QP
0.2644	21.71	9.63	31.34	51.29	-19.95	AVG
0.3379	31.13	9.65	40.78	59.25	-18.47	QP
0.3379	21.55	9.65	31.20	49.25	-18.05	AVG
0.4020	30.70	9.67	40.37	57.81	-17.44	QP
0.4020	18.28	9.67	27.95	47.81	-19.86	AVG
1.8100	35.11	9.67	44.78	56.00	-11.22	QP
1.8100	24.48	9.67	34.15	46.00	-11.85	AVG

#### Remark:

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



#### 7.2 RADIATED SPURIOUS EMISSION

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#### 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

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According to 1 00 1 dit 15.20	According to FOOT art 15.200, Restricted bands						
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(wiriz)	PEAK	AVERAGE			
Above 1000	74	54			

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

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

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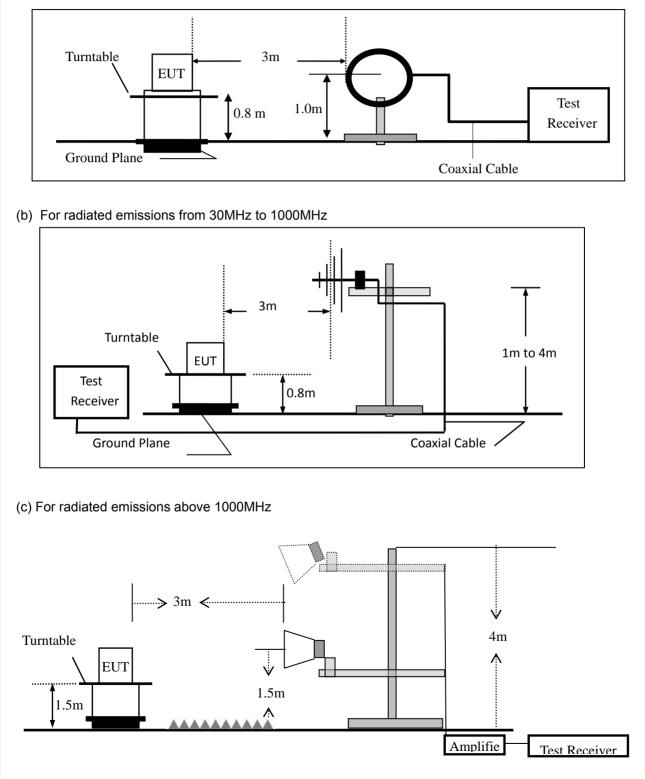
The Measuring equipment is listed in the section 6.3 of this test report.

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#### 7.2.4 Test Configuration

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





#### 7.2.5 Test Procedure

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

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

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

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

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

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



During the radiated emission	test, the Spectrum An	alyzer was set with the follow	ving configurations:
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Alteria 1000	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	1 MHz

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

#### 7.2.6 Test Results

EUT:	Tablet	Model No.:	RT5
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

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

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



 Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the worst result was report as below:
 EUT: Tablet Model Name : RT5

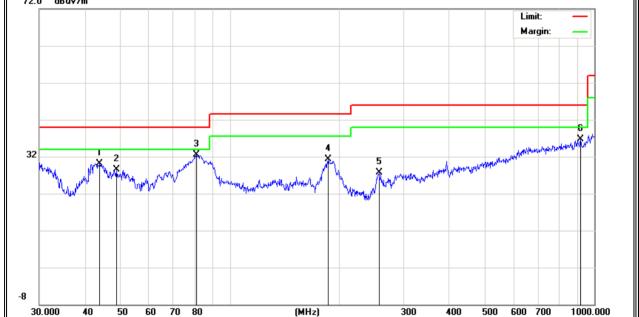
Temperature:	<b>25</b> ℃	Relative Humidity:	55%
Pressure:	1010hPa	Test Mode:	Mode 4
Test Voltage :	DC 3.85V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	43.8119	13.28	16.91	30.19	40.00	-9.81	QP
V	48.8429	13.28	15.30	28.58	40.00	-11.42	QP
V	80.9274	18.57	13.90	32.47	40.00	-7.53	QP
V	186.4405	15.77	15.55	31.32	43.50	-12.18	QP
V	256.5210	7.62	20.07	27.69	46.00	-18.31	QP
V	916.0687	6.29	30.42	36.71	46.00	-9.29	QP

#### Remark:

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





NTEK JLW®

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	33.9174	5.76	22.10	27.86	40.00	-12.14	QP
Н	50.5859	8.27	14.43	22.70	40.00	-17.30	QP
Н	90.8554	8.17	15.80	23.97	43.50	-19.53	QP
Н	131.2965	8.38	17.82	26.20	43.50	-17.30	QP
Н	258.3263	8.60	20.22	28.82	46.00	-17.18	QP
Н	694.4174	5.62	28.03	33.65	46.00	-12.35	QP
						Margin:	
32	White way have the second seco	3 Wanter way with the party of the	termet the second	5 Honist Mark Mark		6 Wahang Mala Angel	, MANNAMANAN



EUT:	Tab		GHz (1GH		el No.:		RT5				
emperature	: 20	°C		Rela	tive Humidity	/: 4	48%				
est Mode:	Mo	de2/Mod	e3/Mode4	Test	By:		Mukzi	Lee			
II the modul					e worst resul				/:		
	Read	Cable	Antenna	Preamp	Emission						
Frequency	Level	loss	Factor	Factor	Level	Lin	nits	Margin	Remark	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	ıV/m)	(dB)			
		•	Low Chanr	nel (2402 M	/Hz)(8-DPSK	)Abo	ve 1G			•	
4804	68.48	5.21	35.59	44.30	64.98	74	.00	-9.02	Pk	Vertical	
4804	49.57	5.21	35.59	44.30	46.07	54	.00	-7.93	AV	Vertical	
7206	70.18	6.48	36.27	44.60	68.33	74	.00	-5.67	Pk	Vertical	
7206	45.92	6.48	36.27	44.60	44.07	54	.00	-9.93	AV	Vertical	
4804	70.07	5.21	35.55	44.30	66.53	66.53 74.00		-7.47	Pk	Horizonta	
4804	45.64	5.21	35.55	44.30	42.10 54.00		-11.90	AV	Horizonta		
7206	70.59	6.48	36.27	44.52	68.82	74	.00	-5.18	Pk	Horizonta	
7206	49.4	6.48	36.27	44.52	47.63	54	.00	-6.37	AV	Horizonta	
			Mid Chann	el (2441 N	IHz)( 8-DPSK	)Abo	ve 1G				
4882	69.12	5.21	35.66	44.20	65.79	74	.00	-8.21	Pk	Vertical	
4882	49.13	5.21	35.66	44.20	45.80	54	.00	-8.20	AV	Vertical	
7323	69.11	7.10	36.50	44.43	68.28	74	.00	-5.72	Pk	Vertical	
7323	50.44	7.10	36.50	44.43	49.61	54	.00	-4.39	AV	Vertical	
4882	68.03	5.21	35.66	44.20	64.70	74	.00	-9.30	Pk	Horizonta	
4882	46.41	5.21	35.66	44.20	43.08	54	.00	-10.92	AV	Horizonta	
7323	69.43	7.10	36.50	44.43	68.60	74	.00	-5.40	Pk	Horizonta	
7323	47.57	7.10	36.50	44.43	46.74	54	.00	-7.26	AV	Horizonta	
			High Chann	el (2480 N	IHz)( 8-DPSK	() Abo	ove 1G	ì			
4960	70.3	5.21	35.52	44.21	66.82	74	.00	-7.18	Pk	Vertical	
4960	48.9	5.21	35.52	44.21	45.42	54	.00	-8.58	AV	Vertical	
7440	68.58	7.10	36.53	44.60	67.61	74	.00	-6.39	Pk	Vertical	
7440	45.49	7.10	36.53	44.60	44.52	54	.00	-9.48	AV	Vertical	
4960	70.35	5.21	35.52	44.21	66.87	74	.00	-7.13	Pk	Horizonta	
4960	50.5	5.21	35.52	44.21	47.02	54	.00	-6.98	AV	Horizonta	
7440	69.74	7.10	36.53	44.60	68.77	74	.00	-5.23	Pk	Horizonta	
7440	46.74	7.10	36.53	44.60	45.77	54	.00	-8.23	AV	Horizonta	

Note:

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



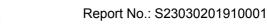
UT:	Tablet			Мо	del No.:		RT5				
emperature	<b>20</b> ℃			Re	ative Humidi	ty:	48%				
est Mode:	Mode2/ M	lode4		Tes	Test By:			zi Lee			
All the modu	lation mod	es have	been test	ed, and	the worst res	sult wa	as rep	oort as be	elow:		
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits		Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ\	V/m) (dB)		Туре		
3Mbps(8-DPSK)-Non-hopping											
2310.00 69.69 2.97 27.80 43.80				56.66	74	4	-17.34	Pk	Horizontal		
2310.00	48.1	2.97	27.80	43.80	35.07	54	4	-18.93	AV	Horizontal	
2310.00	69.89	2.97	27.80	43.80	56.86	74		-17.14	Pk	Vertical	
2310.00	47.78	2.97	27.80	43.80	34.75	54		-19.25	AV	Vertical	
2390.00	70.12	3.14	27.21	43.80	56.67	74		-17.33	Pk	Vertical	
2390.00	48.75	3.14	27.21	43.80	35.30	54		-18.70	AV	Vertical	
2390.00	69.65	3.14	27.21	43.80	56.20	74		-17.80	Pk	Horizonta	
2390.00	49.61	3.14	27.21	43.80	36.16	54		-17.84	AV	Horizonta	
2483.50	70.55	3.58	27.70	44.00	57.83	74		-16.17	Pk	Vertical	
2483.50	45.4	3.58	27.70	44.00	32.68	54		-21.32	AV	Vertical	
2483.50	69.95	3.58	27.70	44.00	57.23	74		-16.77	Pk	Horizonta	
2483.50	50.03	3.58	27.70	44.00	37.31	54		-16.69	AV	Horizonta	
				3Mbps(8	B-DPSK)-hoppir	ng					
2310.00	68.71	2.97	27.80	43.80	55.68	74	4	-18.32	Pk	Horizonta	
2310.00	46.35	2.97	27.80	43.80	33.32	54	4	-20.68	AV	Horizonta	
2310.00	69.79	2.97	27.80	43.80	56.76	74		-17.24	Pk	Vertical	
2310.00	46.98	2.97	27.80	43.80	33.95	54		-20.05	AV	Vertical	
2390.00	69.23	3.14	27.21	43.80	55.78	74	4	-18.22	Pk	Vertical	
2390.00	50.76	3.14	27.21	43.80	37.31	54	4	-16.69	AV	Vertical	
2390.00	68.05	3.14	27.21	43.80	54.60	74	4	-19.40	Pk	Horizonta	
2390.00	46.86	3.14	27.21	43.80	33.41	54	4	-20.59	AV	Horizonta	
2483.50	69.46	3.58	27.70	44.00	56.74	74	4	-17.26	Pk	Vertical	
2483.50	50.11	3.58	27.70	44.00	37.39	54	4	-16.61	AV	Vertical	
2483.50	68.8	3.58	27.70	44.00	56.08	74	4	-17.92	Pk	Horizontal	
2483.50	49.12	3.58	27.70	44.00	36.40	54	4	-17.60	AV	Horizontal	

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



UT:	Ta	ablet			Mode	I No.:		RT5				
emperature	e: 20	<b>)</b> °C			Relative Humidity:			48%				
est Mode:	M	ode2/ Moc	le4		Test I	Test By: Mukzi Lee						
All the modulation modes have been tested				ed, a	and th	e worst resi	ult wa	is repo	ort as belo	W:		
Frequency Reading Cable Level Loss			Antenna Factor	Preamp Factor		Emission Level	Limits		Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(0	dB)	(dBµV/m)	(dBµV/m)		(dB)	Туре		
3260	70.43	4.04	29.57	44.70		59.34	74		-14.66	Pk	Vertical	
3260	47.38	4.04	29.57	44.70		36.29	54		-17.71	AV	Vertical	
3260	70.03	4.04	29.57	44.70		58.94	74		-15.06	Pk	Horizonta	
3260	48.25	4.04	29.57	44.70		37.16	54		-16.84	AV	Horizonta	
3332	70.23	4.26	29.87	44	4.40	59.96	74		-14.04	Pk	Vertical	
3332	50.17	4.26	29.87	44	4.40	39.90	54		-14.10	AV	Vertical	
3332	68.77	4.26	29.87	44	4.40	58.50	74		-15.50	Pk	Horizonta	
3332	46.54	4.26	29.87	44	4.40	36.27	54		-17.73	AV	Horizonta	
17797	49.14	10.99	43.95	43	3.50	60.58	74		-13.42	Pk	Vertical	
17797	32.96	10.99	43.95	43	3.50	44.40	54		-9.60	AV	Vertical	
17788	60.07	11.81	43.69	44	4.60	70.97	74		-3.03	Pk	Horizonta	
17788	39.56	11.81	43.69	44	4.60	50.46	54		-3.54	AV	Horizonta	

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

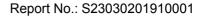
Please refer to Section 6.1 of this test report.

#### 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:	Tablet	Model No.:	RT5
Temperature:	<b>20</b> ℃	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 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.

VBW ≥ RBW Sweep = auto

Detector function = peak Trace = max hold

#### 7.4.6 Test Results

EUT:	Tablet	Model No.:	RT5
Temperature:	<b>20</b> °C	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.

#### 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:	Tablet	Model No.:	RT5
Temperature:	<b>20</b> ℃	Relative Humidity:	RT5 48% Mukzi Lee
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 x 79) (s), Hops Over Occupancy Time comes to  $(1600 / 6 / 79) \times (0.4 \times 79) = 106.67$  hops.
- 2. In AFH mode, hopping rate is 800 hops/s with 6 slots in 20 hopping channels. With channel hopping rate (800 / 6 / 20) in Occupancy Time Limit (0.4 x 20) (s), Hops Over Occupancy Time comes to  $(800 / 6 / 20) \times (0.4 \times 20) = 53.33$  hops.
- 3. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time



## 7.6 20DB BANDWIDTH TEST

## 7.6.1 Applicable Standard

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

## 7.6.2 Conformance Limit

No limit requirement.

## 7.6.3 Measuring Instruments

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

## 7.6.4 Test Setup

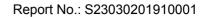
Please refer to Section 6.1 of this test report.

## 7.6.5 Test Procedure

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

## 7.6.6 Test Results

EUT:	Tablet	Model No.:	RT5
Temperature:	<b>20</b> ℃	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

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

 $VBW \ge RBW$ 

Sweep = auto

Detector function = peak Trace = max hold

#### 7.7.6 Test Results

EUT:	Tablet	Model No.:	RT5
Temperature:	<b>20</b> ℃	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 §15.205(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

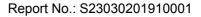
Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.

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:	Tablet	Model No.:	RT5
Temperature:	<b>20</b> °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	RT5 48% 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 FPC antenna (Gain:0.94 dBi). It comply with the standard requirement.



#### 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.



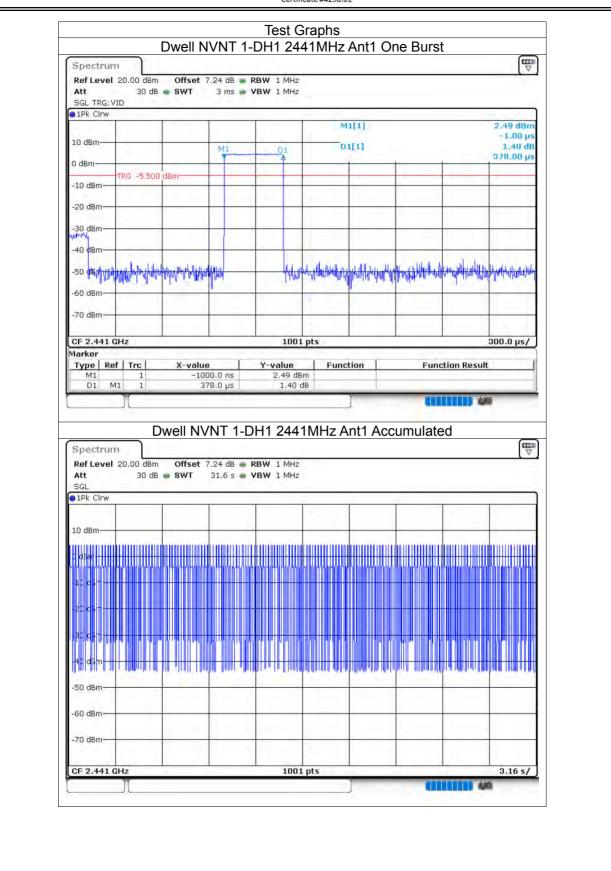
## 8 TEST RESULTS

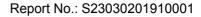
## 8.1 **DWELL TIME**

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	0.378	76.734	203	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.635	210.915	129	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.888	251.256	87	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.387	81.657	211	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.635	197.835	121	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.88	236.16	82	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.384	79.488	207	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.635	206.01	126	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.896	231.68	80	31600	400	Pass

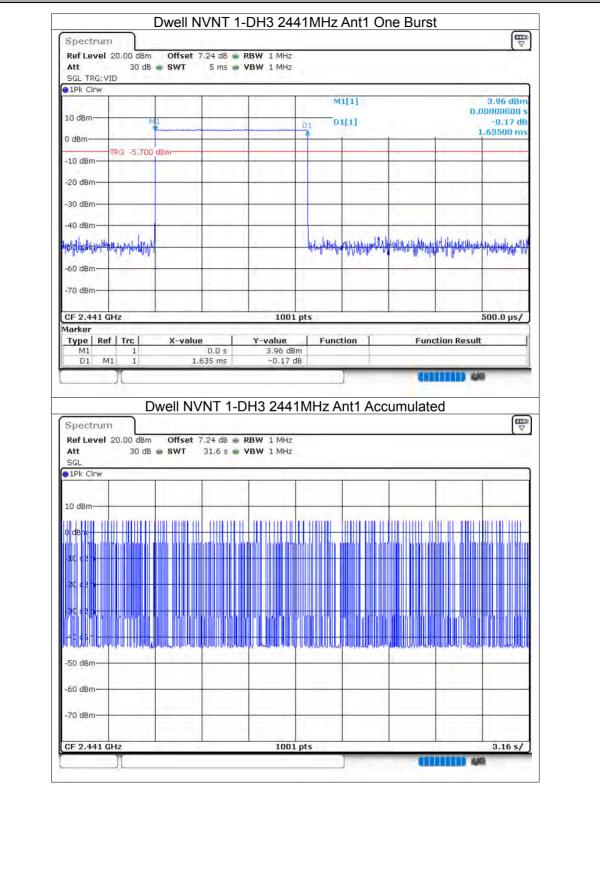
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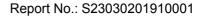




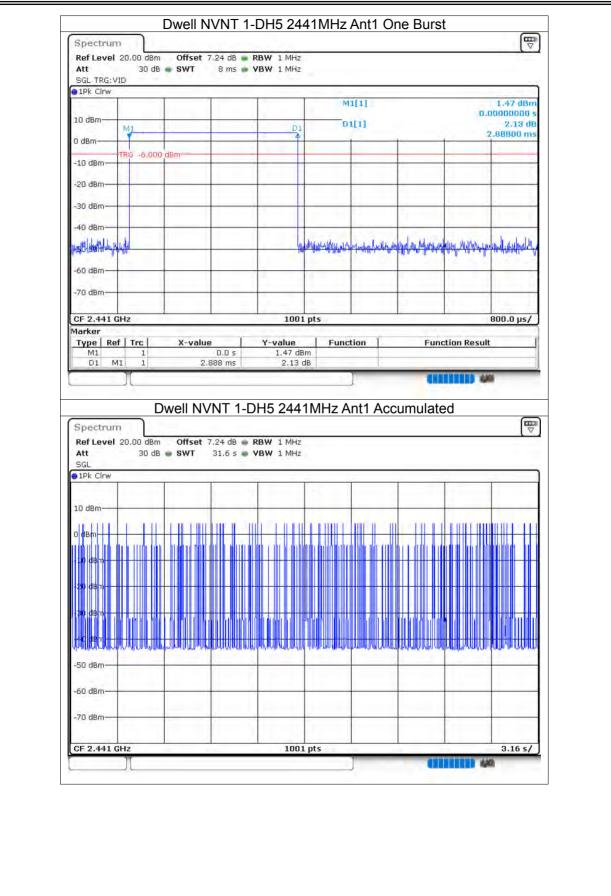


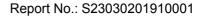




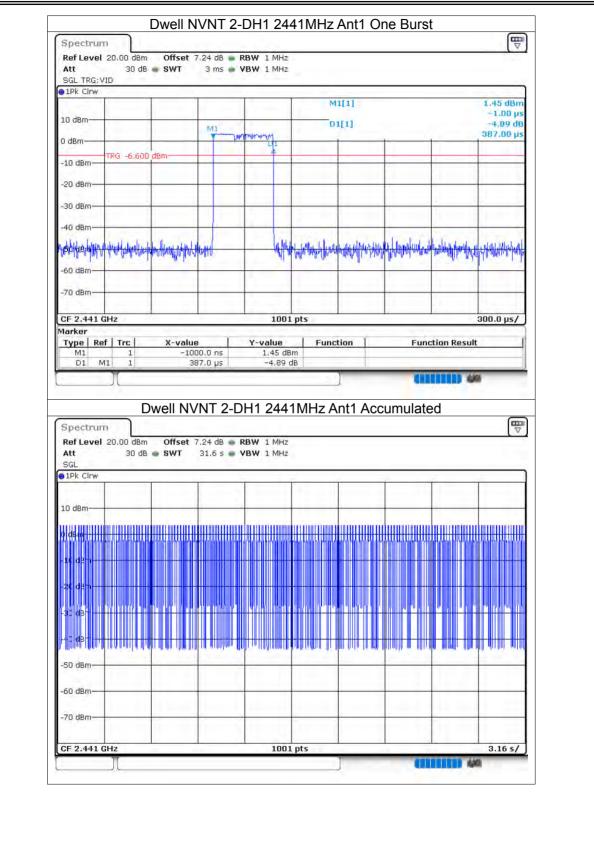


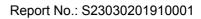






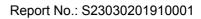






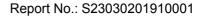


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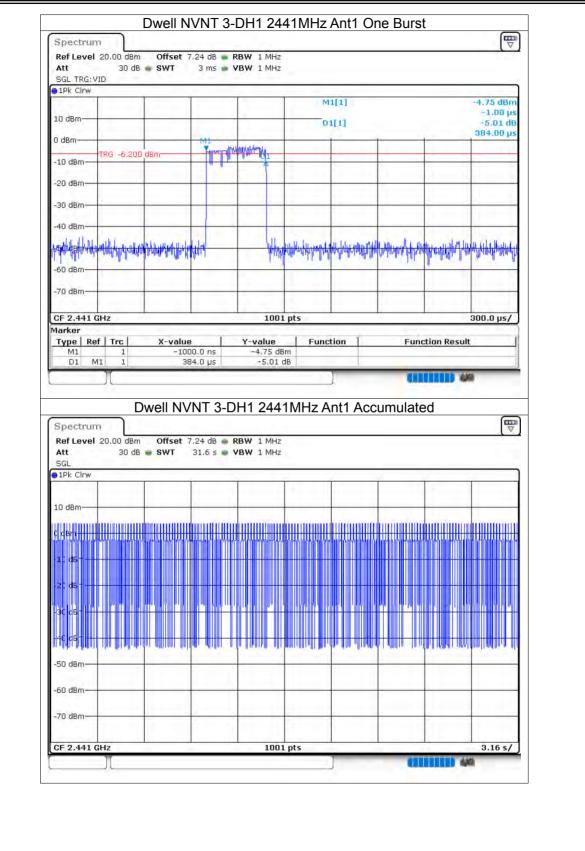


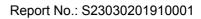


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Spectrum           Ref Level 20.00 dE           Att 30 r           SGL           • 1Pk Clrw           10 dBm           • 1Pk Clrw           10 dBm           • 1C dBm           • 1C dBm           • 2C dBm           • 31 dBm           • 50 dBm           -60 dBm	im Offset 7.24 B <b>SWT</b> 31	dB RBW 1 MHz 6 s VBW 1 MHz	0				3.16 5/



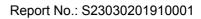








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Ref Leve Att SGL 1Pk Clrw 10 dBm 0 dBm 10 dBm -50 dBm -50 dBm -70 dBm	n 30 dB	well NV	<b>′NT 3-D</b> 7.24 dB ●	RBW 1 MHz yBW 3 MHz					3.16 s/



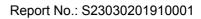


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Spectrum           Ref Level 20.00 dB           Att 30 d           SGL           IPk Clrw           10 dBm           IdSm           IO cEm           20 dEm	Bm Offset 7.2 dB • SWT 3	24 dB • RBW 1 M 1.6 s • VBW 1 M					
Spectrum           Ref Level 20.00 dB           Att 30 d           SGL           IPk Clrw           10 dBm           IdSm           IO dBm	Bm Offset 7.2 dB • SWT 3	24 dB • RBW 1 M 1.6 s • VBW 1 M					
Spectrum           Ref Level 20.00 dB           Att 30 d           SGL           IPk Clrw           10 dBm           bd5m           -10 dBm           -20 dBm           -32 dBm	Bm Offset 7.2 dB • SWT 3	24 dB • RBW 1 M 1.6 s • VBW 1 M					
Spectrum           Ref Level 20.00 dB           Att 30 d           SGL           IPk Clrw           10 dBm           bd5m           -10 dBm           -20 dBm           -50 dBm	Bm Offset 7.2 dB • SWT 3	24 dB • RBW 1 M 1.6 s • VBW 1 M					
Spectrum           Ref Level 20.00 dB           Att 30 d           SGL           IPk Clrw           10 dBm           bdsm           -10 cBm           -20 cBm           -50 dBm           -60 dBm           -70 dBm	Bm Offset 7.2 dB • SWT 3	24 dB • RBW 1 M 1.6 s • YBW 1 M					
Spectrum           Ref Level 20.00 dB           Att         30 d           SGL         10 dBm           10 dBm         10 dBm           10 dBm         10 dBm           -10 dBm	Bm Offset 7.2 dB • SWT 3	24 dB • RBW 1 M 1.6 s • YBW 1 M					3.16 5/



#### 8.2 MAXIMUM CONDUCTED OUTPUT POWER

2 1017 (7111)								
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	4.93	0	4.93	21	Pass
NVNT	1-DH5	2441	Ant1	4.08	0	4.08	21	Pass
NVNT	1-DH5	2480	Ant1	5.39	0	5.39	21	Pass
NVNT	2-DH5	2402	Ant1	4.78	0	4.78	21	Pass
NVNT	2-DH5	2441	Ant1	4.13	0	4.13	21	Pass
NVNT	2-DH5	2480	Ant1	5.52	0	5.52	21	Pass
NVNT	3-DH5	2402	Ant1	5.07	0	5.07	21	Pass
NVNT	3-DH5	2441	Ant1	4.38	0	4.38	21	Pass
NVNT	3-DH5	2480	Ant1	5.72	0	5.72	21	Pass





A				H5 2402MH	ZAIILI		Ē
	30 dB SWT	.07 dB 🐞 RE 1 ms 🖷 VE		Mode Auto Swe	ер		
SGL Count 100/1 1Pk Max	100						
				M1[1]		0.0	4,93 dBm
10 dBm			M		-1	2.40	198500 GHz
0 dBm			-				
-10 dBm-						-	1
-20 dBm							
LO GDIN							
-30 dBm	-	1				-	
-40 dBm						-	
-50 dBm							
-60 dBm			-			-	
-70 dBm							
-y u upin							1
Spectrum Ref Level 20.00	) dBm Offset 7	.24 dB 🖷 RE	3W 2 MHz	) H5 2441MH		Spa	n 5.0 MHz
Spectrum Ref Level 20.00 Att SGL Count 100/1	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz			Spe	
Spectrum Ref Level 20.00 Att SGL Count 100/1	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			
Att SGL Count 100/1 1Pk Max	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe M1[1]			
Spectrum Ref Level 20.00 Att SGL Count 100/1	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att SSGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum RefLevel 20.00 Att S SGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum RefLevel 20.00 Att S SGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum Ref Level 20.00 Att	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH Mode Auto Swe			(₩) ∀.08 dBm
Spectrum RefLevel 20.00 Att S SGL Count 100/1 IPk Max I0 dBm 0 dBm	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI 3W 2 MHz	H5 2441MH		2.44)	4,08 dBm 07490 GHz
Spectrum Ref Level 20.00 Att	) dBm Offset 7 30 dB SWT	.24 dB 🖷 RE	NT 1-DI	H5 2441MH		2.44)	4,08 dBm 07490 GHz



SGL Coun 1Pk Max	t 100/100	27710			Mode Auto				
					MI[	1]		2.47	5,39 dBm 985510 GHz
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) dBm				-					
t0 dBm—			_				_		
20 dBm-									
20 uBm									
30 dBm	1						_		
40 dBm—			-	-			_		
50 dBm									
60 dBm									
70 dBm									
		_	<u> </u>	100	L pts			Sp	an 5.0 MHz
Spectrui Ref Level Att		Offset 7	.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz	H5 2402N	_	t1		
Spectrui Ref Level Att SGL Coun	n 20.00 dBm 30 dB	Offset 7	.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz		_	t1		₩
Spectrui Ref Level	n 20.00 dBm 30 dB	Offset 7	.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz	H5 2402N	Sweep	t1	2.40	4,78 dBm 211040 GHz
Spectrui Ref Level Att SGL Coun 1Pk Max	n 20.00 dBm 30 dB	Offset 7	.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz	H5 2402N Mode Auto	Sweep	t1	2.40	4,78 dBm
Spectrui Ref Level Att SGL Coun IPk Max	n 20.00 dBm 30 dB	Offset 7	.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz	H5 2402N Mode Auto	Sweep	t1	2.40	4,78 dBm
Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz	H5 2402N Mode Auto	Sweep	t1	2,40	4,78 dBm
Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm- 10 dBm- 10 dBm-	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz	H5 2402N Mode Auto	Sweep	t1	2,40	4,78 dBm
Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm- 10 dBm- 10 dBm- 20 dBm-	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz	H5 2402N Mode Auto	Sweep	t1	2,40	4,78 dBm 211040 GHz
Spectrui Ref Level Att SGL Coun	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> <b>BW</b> 2 MHz	H5 2402N Mode Auto	Sweep	t1	2.40	4,78 dBm 211040 GHz
Spectru Ref Level Att SGL Coun 11Pk Max 0 dBm	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> BW 2 MHz	H5 2402N Mode Auto	Sweep	t1	2,40	4,78 dBm 211040 GHz
Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm- 10 dBm- 10 dBm- 20 dBm-	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> BW 2 MHz	H5 2402N Mode Auto	Sweep	t1	2.40	4,78 dBm 211040 GHz
Spectrui Ref Level Att SGL Coun 11Pk Max 0 dBm	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> BW 2 MHz	H5 2402N Mode Auto	Sweep	t1	2.40	4,78 dBm 211040 GHz
Spectrui Ref Level Att SGL Coun 11Pk Max 10 dBm- 0 dBm- 10 dBm- 20 dBm- 30 dBm- 30 dBm- 40 dBm- 50 dBm- 50 dBm-	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> BW 2 MHz	H5 2402N Mode Auto	Sweep	t1	2.40	4,78 dBm 211040 GHz
Spectrui Ref Level Att SGL Coun 11Pk Max 0 dBm- 0 dBm- 10 dBm- 20 dBm- 30 dBm- 30 dBm- 30 dBm- 50 dBm-	n 20.00 dBm 30 dB	Offset 7	7.07 dB 💼 R	<b>/NT 2-D</b> BW 2 MHz	H5 2402N Mode Auto	Sweep	t1	2.40	4,78 dBm 211040 GHz
Spectrui Ref Level Att SGL Coun 11Pk Max 0 dBm	n 20.00 dBm 30 dB 100/100	Offset 7	7.07 dB 💼 R	/NT 2-D BW 2 MHz BW 2 MHz	H5 2402N Mode Auto	Sweep			4,78 dBm 211040 GHz



Att 30 dB SGL Count 100/100 1Pk Max	SWT 1 ms 🖷	VBW 2 MHz Mode A	uto Sweep		
IFN MIGA			M1[1]		4.13 dBm
10 dBm		MI	1 1	2.	14107140 GHz
D dBm	and the second sec		manne	_	
-10 dBm					
and					and the second
-20 dBm-					- many
-30 dBm				-	
-40 dBm					
-50 dBm-					
-60 dBm					
-oo dBm					
-70 dBm					
CF 2.441 GHz		1001 pts		-	Span 6.5 MHz
of all a diffe					1.000
Spectrum Ref Level 20.00 dBm Att 30 dB	Offset 7.07 dB 🖷	VNT 2-DH5 248 RBW 2 MHz VBW 2 MHz Mode A	6.8.76.7	1	
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100	Offset 7.07 dB 🖷	RBW 2 MHz VBW 2 MHz Mode A	uto Sweep	1	
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max	Offset 7.07 dB 🖷	RBW 2 MHz VBW 2 MHz Mode A	6.8.76.7		₹5,52 dBm 18009090 GHz
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max	Offset 7.07 dB 🖷	RBW 2 MHz VBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -10 dBm -30 dBm -30 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -10 dBm -30 dBm -30 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -10 dBm -30 dBm -40 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -30 dBm -30 dBm -50 dBm -50 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep		5,52 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 IPK Max I0 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep	2.	5,52 dBm 18009090 GHz
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -30 dBm -30 dBm -50 dBm -60 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep	2.	5,52 dBm +8009090 GHz
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 IPK Max I0 dBm	Offset 7.07 dB 🖷	RBW 2 MHz YBW 2 MHz Mode A	uto Sweep	2.	5,52 dBm +8009090 GHz



Att 30 dB S' SGL Count 100/100 1Pk Max	1 1115 <b>1</b>	BW 2 MHz Mode	Auto Sweep		
IPK Max			M1[1]		5,07 dBm
10 dBm		MI	1		2.40207790 GHz
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Spectrum Ref Level 20.00 dBm O Att 30 dB S SGL Count 100/100	ffset 7,24 dB 🔳 RI	1001 pts NT 3-DH5 24 3W 2 MHz 3W 2 MHz Mode	5.4 m 7		Span 6.5 MHz
Spectrum Ref Level 20.00 dBm O Att 30 dB S SGL Count 100/100	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 3w 2 MHz	Auto Sweep		
Spectrum Ref Level 20.00 dBm O Att 30 dB S SGL Count 100/100 11Pk Max	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 3w 2 MHz	5.4 m 7		
Spectrum Ref Level 20.00 dBm O Att 30 dB S SGL Count 100/100 11Pk Max	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 3w 2 MHz	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum Ref Level 20.00 dBm O Att 30 dB St SGL Count 100/100 11Pk Max 10 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum Ref Level 20.00 dBm O Att 30 dB St SGL Count 100/100 11Pk Max 10 dBm 10 dBm 10 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum Ref Level 20.00 dBm O Att 30 dB St SGL Count 100/100 11Pk Max 10 dBm 10 dBm 20 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum Ref Level 20.00 dBm O Att 30 dB St SGL Count 100/100 11Pk Max 10 dBm 10 dBm 20 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum           Ref Level 20.00 dBm O           Att 30 dB Si           SGL Count 100/100           11Pk Max           10 dBm           10 dBm           20 dBm           30 dBm           30 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum Ref Level 20.00 dBm O Att 30 dB S' SGL Count 100/100 01Pk Max	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum Ref Level 20.00 dBm O Att 30 dB S SGL Count 100/100 10 Pk Max 10 dBm 10 dBm 10 dBm 30 dBm 40 dBm 50 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum           Ref Level 20.00 dBm         O           Att         30 dB         S'           SGL Count 100/100         11Pk Max         11Pk Max           10 dBm         0         dBm           30 dBm         30 dBm         30 dBm           40 dBm         40 dBm         30 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum           Ref Level 20.00 dBm         O           Att         30 dB         S'           SGL Count 100/100         11Pk Max         11Pk Max           10 dBm         0 dBm         0           10 dBm         0         30 dB           20 dBm         0         30 dBm           10 dBm         0         30 dBm           10 dBm         0         30 dBm           30 dBm         0         30 dBm           30 dBm         0         30 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm
Spectrum           Ref Level 20.00 dBm         O           Att         30 dB         S'           SGL Count 100/100         11Pk Max         11Pk Max           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           30 dBm         0         0           10 dBm         0         0           10 dBm         0         0           10 dBm         0         0           20 dBm         0         0           30 dBm         0         0           40 dBm         0         0           50 dBm         0         0           40 dBm         0         0           50 dBm         0         0	ffset 7,24 dB 🔳 RI	NT 3-DH5 24	Auto Sweep		4.38 dBm 2.44095450 GHz
Spectrum Ref Level 20.00 dBm O Att 30 dB S' SGL Count 100/100 11Pk Max 10 dBm 10 dBm 10 dBm 30 dBm 40 dBm 50 dBm 60 dBm	ffset 7,24 dB 🔳 RI	NT 3-DH5 24 aw 2 MHz BW 2 MHz Mode	Auto Sweep		(₩) (₩) (∀) 4,38 dBm



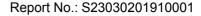
Spectrum				
Ref Level 20.00 dBm Offset 7.07 dB 🜉 I	RBW 2 MHz			
Att 30 dB SWT 1 ms 🕳 🕚		ode Auto Sweep		
SGL Count 100/100				
1Pk Max	70	and the second sec		
		M1[1]		5.72 dBm
		1 1	2.4798	7010 GHz
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70 dBm-				
CF 2.48 GHz	1001 pt:	5	Span	6.5 MHz



### 8.3 -20DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.042	Pass
NVNT	1-DH5	2441	Ant1	0.962	Pass
NVNT	1-DH5	2480	Ant1	0.962	Pass
NVNT	2-DH5	2402	Ant1	1.282	Pass
NVNT	2-DH5	2441	Ant1	1.276	Pass
NVNT	2-DH5	2480	Ant1	1.286	Pass
NVNT	3-DH5	2402	Ant1	1.308	Pass
NVNT	3-DH5	2441	Ant1	1.302	Pass
NVNT	3-DH5	2480	Ant1	1.306	Pass

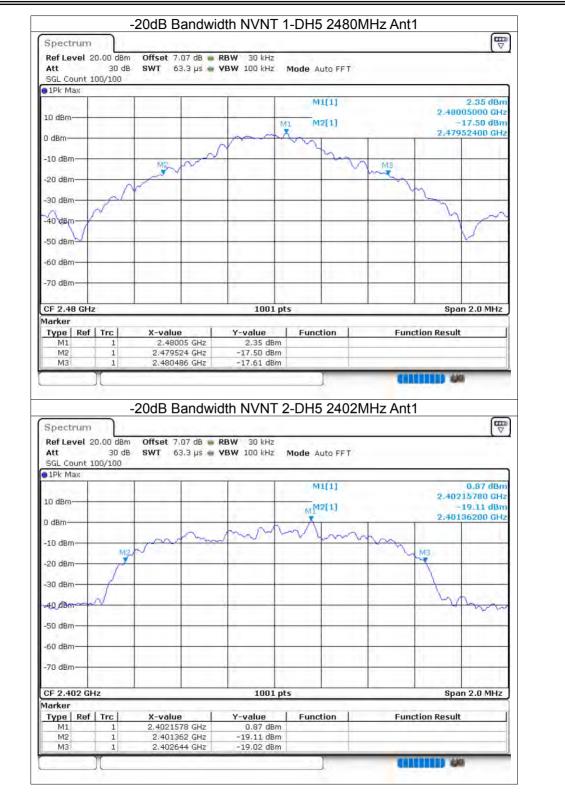
ACCREDITED Certificate #4298.01







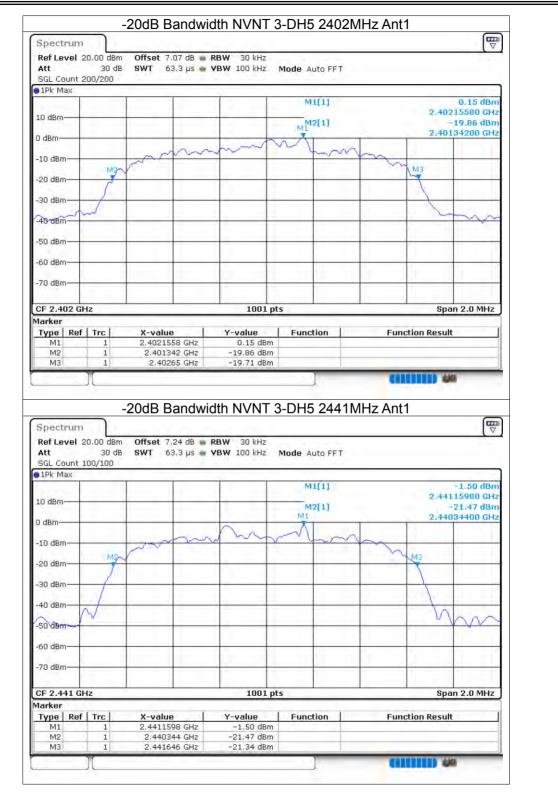




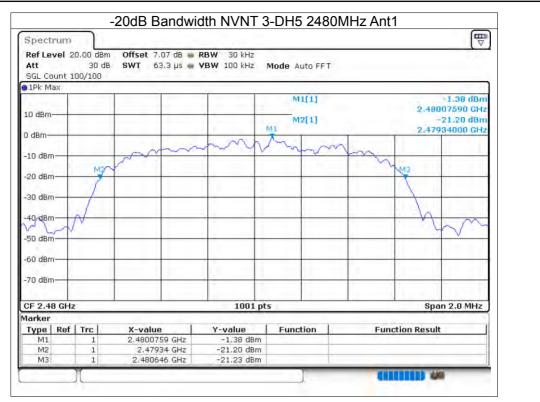








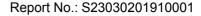






### 8.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.921
NVNT	1-DH5	2441	Ant1	0.907
NVNT	1-DH5	2480	Ant1	0.899
NVNT	2-DH5	2402	Ant1	1.201
NVNT	2-DH5	2441	Ant1	1.185
NVNT	2-DH5	2480	Ant1	1.185
NVNT	3-DH5	2402	Ant1	1.191
NVNT	3-DH5	2441	Ant1	1.185
NVNT	3-DH5	2480	Ant1	1.179











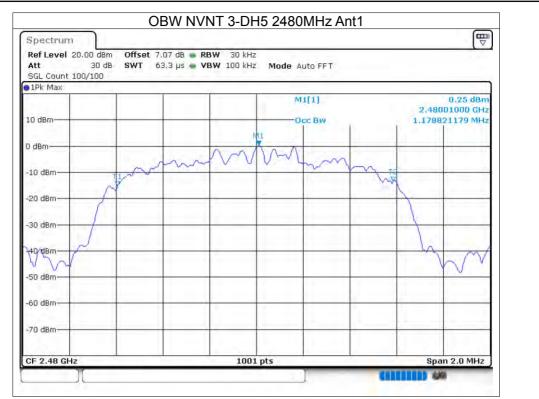














#### 8.5 CARRIER FREQUENCIES SEPARATION

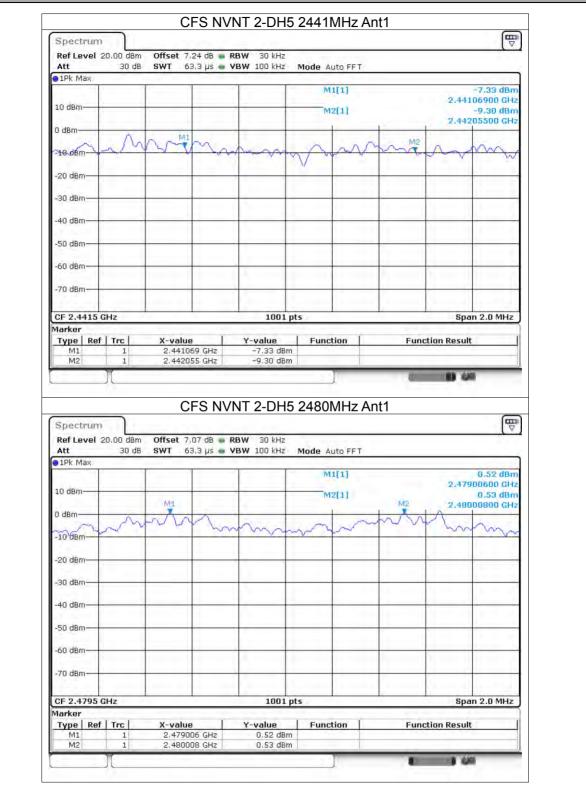
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict			
NVNT	1-DH5	Ant1	2402.05	2403.052	1.002	0.695	Pass			
NVNT	1-DH5	Ant1	2440.97	2441.97	1	0.641	Pass			
NVNT	1-DH5	Ant1	2479.002	2479.97	0.968	0.641	Pass			
NVNT	2-DH5	Ant1	2402.074	2403.16	1.086	0.855	Pass			
NVNT	2-DH5	Ant1	2441.069	2442.055	0.986	0.851	Pass			
NVNT	2-DH5	Ant1	2479.006	2480.008	1.002	0.857	Pass			
NVNT	3-DH5	Ant1	2402.458	2403.5	1.042	0.872	Pass			
NVNT	3-DH5	Ant1	2441.018	2441.975	0.957	0.868	Pass			
NVNT	3-DH5	Ant1	2479.12	2480.076	0.956	0.871	Pass			





NTEK JLW

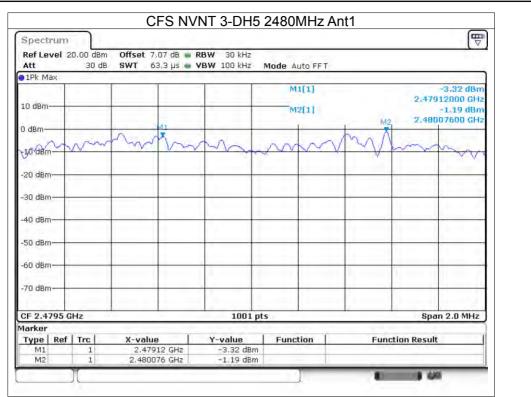




NTEK JLW®





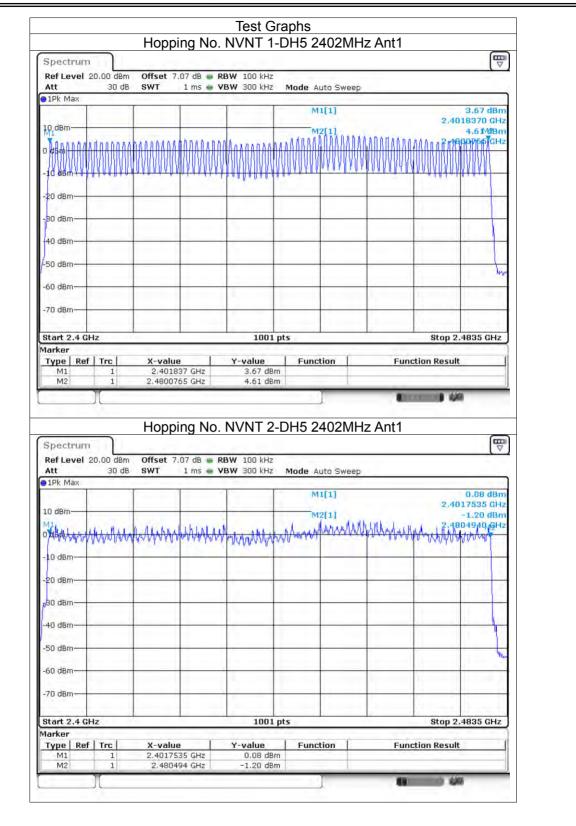


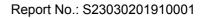


# 8.6 NUMBER OF HOPPING CHANNEL

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









Ref Level 2	0.00 dB	m Offset 7	.07 dB 🕳	RBW 100 kHz							
Att	30 d	B SWT	1 ms 🖷	<b>VBW</b> 300 kHz	Mo	de Au	to Sweep				-
1Pk Max										-	
						M1	[1]		2.40	0.28 0	
LO dBm				-		M2	[1]		-2.40	2.23.0	1.0.0
13. 1		10.00	1	1.2.2.2.	- 11	Andal	ARALAS	Julleran	2.48	02435	A
dentruck the	HAMAN	J. May My My My	A ANDARA	May total	apple	And Control of	AA MUTAA	un and the state of the state o	MARAN	ANA C	
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						_					
20 dBm		1		-	-	-		-			-
30 dBm		2									
10 dBm	-									-	1
i0 dBm						1				-	Yest
and the				1							1
50 dBm									1		
1.1.1.1.1.1											
70 dBm				1							111
start 2.4 GH	z		-	1001	pts			-	Stop 2.	4835 G	Hz
arker											
Type   Ref	Trc	X-value	e	Y-value	- 1	Functi	on	Func	tion Result	1	
M1	1	2.40167 GHz		0.28 dBm						_	_
M2	1	2,48024	35 GHz	2.23 dB	sm						

# 8.7 BAND EDGE

NTEK 北测

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict			
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.68	-20	Pass			
NVNT	1-DH5	2480	Ant1	No-Hopping	-58.53	-20	Pass			
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.58	-20	Pass			
NVNT	2-DH5	2480	Ant1	No-Hopping	-57.06	-20	Pass			
NVNT	3-DH5	2402	Ant1	No-Hopping	-55.88	-20	Pass			
NVNT	3-DH5	2480	Ant1	No-Hopping	-57.32	-20	Pass			

ACCREDITED Certificate #4298.01



Spectrum		2	an là		2MHz Ant1 I		-	
Ref Level	20.00 dBm			RBW 100 kHz	10.17.1.1.1.1			
Att SGL Count	30 dB 100/100	SWT 1	8.9 hz 🖷 ,	VBW 300 kHz	Mode Auto FFT			
1Pk Max I		-	1	7 i	A41743		_	t og dom
1.00			1.1		M1[1]	a ()	2.401	4.83 dBm 99200 GHz
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					1			
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-60 dBm	V Y av t			-				and A
-70 dBm			-			1		· · · · · · · · ·
, o upin								
CF 2.402 G	Hz			1001 p	its	_	Spa	n 8.0 MHz
	and Ed	ge NVN	NT 1-DH		Hz Ant1 No-	-Hopping	Emissio	n
Bi Spectrum Ref Level	and Ed	Offset	7.90 dB 📦	H5 2402M	] Hz Ant1 No-	1	Emissio	
Spectrum Ref Level Att	20.00 dBm 30 dB	Offset	7.90 dB 📦	H5 2402M	)	1	Emissio	n
Spectrum Ref Level Att SGL Count	and Ed	Offset	7.90 dB 📦	H5 2402M	Hz Ant1 No-	1	Emissio	on ( ( ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )
Spectrum Ref Level Att SGL Count 1Pk Max	and Ed	Offset	7.90 dB 📦	H5 2402M	] Hz Ant1 No-	1		n
Spectrum Ref Level Att SGL Count 1Pk Max	and Ed	Offset	7.90 dB 📦	H5 2402M	Hz Ant1 No-	1	2.401	4.73 dBm 95000 GHz 52.94 /Bm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm	and Ed	Offset	7.90 dB 📦	H5 2402M	Hz Ant1 No- Mode Auto FFT	1	2.401	95000, GHz
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	and Ed	Offset SWT 2	7.90 dB 📦	H5 2402M	Hz Ant1 No- Mode Auto FFT	1	2.401	4.73 dBm 95000 GHz 52.94 /Bm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	and Ed	Offset SWT 2	7.90 dB 📦	H5 2402M	Hz Ant1 No- Mode Auto FFT	1	2.401	4.73 dBm 95000 GHz 52.94 /Bm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	and Ed	Offset SWT 2	7.90 dB 📦	H5 2402M	Hz Ant1 No- Mode Auto FFT	1	2.401	4.73 dBm 95000 GHz 52.94 /Bm
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	and Ed	Offset SWT 2	7.90 dB 📦	H5 2402M	Hz Ant1 No- Mode Auto FFT	1	2.401	4.73 dBm 95000 GHz 52.94 /Bm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	and Ed 20.00 dBm 30 dB 100/100	Offset SWT 2	7.90 dB = 27.5 µs =	H5 2402M	Mode Auto FFT		2.401	4.73 dBm 95000 GHz 52.94 dBm 060000 GHz
Spectrum Ref Level Att SGL Count IPk Max ID dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	and Ed 20.00 dBm 30 dB 100/100	Offset SWT 2	7.90 dB = 27.5 µs =	H5 2402M	Hz Ant1 No- Mode Auto FFT		2.401	4.73 dBm 95000 GHz 52.94 dBm 060000 GHz
Spectrum Ref Level Att SGL Count IPk Max ID dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	and Ed 20.00 dBm 30 dB 100/100	Offset SWT 2	7.90 dB = 27.5 µs =	H5 2402M	Mode Auto FFT		2.401	4.73 dBm 95000 GHz 52.94 dBm 060000 GHz
Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	D1 -15,170	Offset SWT 2	7.90 dB = 27.5 µs =	H5 2402M	Hz Ant1 No- Mode Auto FFT 		2.401 	4.73 dBm 95000 GHz 52.94 dBm 06000 GHz
Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -60 dBm	D1 -15,170	Offset SWT 2	7.90 dB = 27.5 µs =	H5 2402M	Hz Ant1 No- Mode Auto FFT 		2.401 	4.73 dBm 95000 GHz 52.94 dBm 060000 GHz
Spectrum Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	<u>and Ed</u> 20.00 dBm 30 dB 100/100 01 -15,170 01 -15,170	Offset SWT 2 dBm	7.90 dB = 27.5 µs =	H5 2402M	Hz Ant1 No- Mode Auto FFT M1[1] M2[1] M2[1]	dan in Hilanotellit.	2.401 	4.73 dBm 95000 GHz 52.94 Bm 000000 GHz 000000 GHz M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2
Spectrum           Ref Level           Att           SGL Count           ID dBm           ID dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm           Start 2.306           Marker           Type         Ref           M1         M2	and Ed 20.00 dBm 30 dB 100/100 D1 -15,170 01 -15,170 0 GHz F Trc 1 1	Offset SWT 2 dBm //	7.90 dB = 27.5 µs = 27.5 µ	H5 2402M	Hz Ant1 No- Mode Auto FFT M1[1] M2[1	dan in Hilanotellit.	2.401 2.400 	4.73 dBm 95000 GHz 52.94 Bm 000000 GHz 000000 GHz M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2
Spectrum           Ref Level           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -60 dBm           -70 dBm           Start 2.306           Type           M1	and Ed 20.00 dBm 30 dB 100/100 D1 ~15,170 01 ~15,170 01 ~15,170 01 ~15,170 01 ~15,170 01 ~15,170	Offset SWT 2 dBm A.g., flux, iu, iu, iu X-value 2.401	7.90 dB 27.5 µs 27.5 µ	H5 2402M	Mode Auto FFT	dan in Hilanotellit.	2.401 2.400 	4.73 dBm 95000 GHz 52.94 Bm 000000 GHz 000000 GHz M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2



Att 30 dB	Offset 7.90 dB 🖬 F SWT 18.9 µs 🖷 V		Mode Auto FFT			
SGL Count 100/100 9 1Pk Max		1 I	M1[1]			5.49 dBn
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~30 dBm				1	1	1
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-40 dBm	N		6			
r50 dBm	Vur		- V	m	MAAA	n.m
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-70 dBm						
CF 2.48 GHz	· · · · · · · · · · · · · · · · · · ·	1001 p	ts		Spa	n 8.0 MHz
Spectrum Ref Level 20.00 dBm		RBW 100 kHz		lopping E	Emissio	n (The second sec
Spectrum Ref Level 20.00 dBm		RBW 100 kHz		lopping E	Emissio	
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max	Offset 7.90 dB 🖷	RBW 100 kHz		łopping E		
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10'dBm	Offset 7.90 dB 🖷	RBW 100 kHz	Mode Auto FFT.	łopping E	2.479	5.55 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10'dBm 0 dBm	Offset 7.90 dB 🖷	RBW 100 kHz	Mode Auto FFT.	łopping E	2.479	5.55 dBm 85000 GHz 54.15 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10'dBm	Offset 7.90 dB SWT 227.5 μs	RBW 100 kHz	Mode Auto FFT.	łopping E	2.479	5.55 dBm 85000 GHz 54.15 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • 1Pk Max 10'dBm 0 dBm -10 dBm -10 dBm -114.513 d	Offset 7.90 dB SWT 227.5 μs	RBW 100 kHz	Mode Auto FFT.	łopping E	2.479	5.55 dBm 85000 GHz 54.15 dBm
Spectrum           Ref Level 20.00 dBm           Att 30 dB           SGL Count 100/100           1Pk Max           10'dBm           0 dBm           -10 dBm           -20 dBm	Offset 7.90 dB SWT 227.5 μs	RBW 100 kHz	Mode Auto FFT.	łopping E	2.479	5.55 dBm 85000 GHz 54.15 dBm
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • 1Pk Max 10'dBm -10 dBm -10 dBm -20 cBm -30 dBm -30 dBm -40 dBm	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FFT		2.479 	5.55 dBm 85000 GH2 54.15 dBm 56000 GH2
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • 1Pk Max 10'dBm -10 dBm -10 dBm -20 cBm -30 dBm -30 dBm -40 dBm	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FFT.		2.479 	5.55 dBm 85000 GH2 54.15 dBm 56000 GH2
Spectrum           Ref Level 20.00 dBm           Att 30 dB           SGL Count 100/100           1Pk Max           10'dBm           0 dBm           -10 dBm           -20 cBm           -30 dBm           -30 dBm           -30 dBm           -30 dBm           -30 dBm	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FFT		2.479 	5.55 dBm 85000 GH2 54.15 dBm 56000 GH2
Spectrum           Ref Level 20.00 dBm           Att 30 dB           SGL Count 100/100           IPK Max           10'dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -70 dBm           -70 dBm           -70 dBm           -70 dBm           -70 dBm	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FFT		2.479 2.483	5.55 dBm 85000 GH2 54.15 dBm 56000 GH2
Spectrum           Ref Level 20.00 dBm           Att 30 dB           SGL Count 100/100           1Pk Max           10'dBm           0 dBm           -10 dBm           -20 cBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           Start 2.476 GHz           Marker           Type   Ref   Trc	Offset 7.90 dB SWT 227.5 µs Вт МЭ Х-value	RBW 100 kHz YBW 300 kHz	Mode Auto FFT		2.479 2.483	5.55 dBm 85000 GH2 54.15 dBm 50000 GH2
Spectrum           Ref Level 20.00 dBm           Att 30 dB           SGL Count 100/100           IPK Max           10'dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -70 dBm           Start 2.476 GHz           Marker           Type         Ref Trc           M1         1           M2         1	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz VBW 300 kHz 	Mode Auto FFT		2.479 2.483 	5.55 dBm 85000 GH2 54.15 dBm 50000 GH2
Spectrum           Ref Level 20.00 dBm           Att 30 dB           SGL Count 100/100           IPk Max           10'dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           Start 2.476 GHz           Marker           Type Ref Trc           M1	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz VBW 300 kHz 	Mode Auto FFT		2.479 2.483 	5.55 dBr 85000 GH 54.15 dBr 50000 GH



	Offset 7.90 dB 🗰 SWT 18.9 µs 🖷		Mode Auto FFT			
SGL Count 100/100 9 1Pk Max		-				
			M1[1]		2.402	3,54 dBn 214390 GH:
10 dBm		M	1			
0 dBm		m	by	-		
-10 dBm			7			
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-20 dBm						1
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-40 dBm	1 m		in i			
0	n n			hom	0	
-50 dBm					how	mar
-60 dBm					100 C	C. T. M.
-70 dBm						
						1
CF 2.402 GHz		1001 p	ts		Spa	n 8.0 MHz
Ref Level         20.00 dBm           Att         30 dB           SGL Count         100/100	Offset 7.90 dB 🖷 SWT 227.5 μs 🖷		Mode Auto FFT			
●1Pk Max		1 1	M1[1]		_	1.31 dBm
10 dBm			M2[1]			05000 GHz
0 dBm				C 1		100000 GHz
-10 dBm		+		-		
-20 dBm-01 -16,458	dBm					
-30 dBm				-		Nh
	M4					MP
-40 dBm					M3	
-50 dBm	warming another wall Mindle	Introduce Just to Aller	Lahr Adam Marking Marking Public Acom		4 manuel h dry	
	war and and wall mindle	topologica posto at at a	autoparanetypor			
-50 dBm	an contraction and the call	Loope Can south at free	and the second from the second from			
-50 dBm เมษาระสุการสมุทรง -60 dBm -70 dBm Start 2.306 GHz	wer-ny work will have	1001 p			Stop	2.406 GHz
-50 dBm ພາກງາຍແກ້ນໃນເປັນກະໂນນານໃນນາ -60 dBm -70 dBm Start 2.306 GHz Marker Type   Ref   Trc	X-value	1001 p Y-value			Stop tion Result	
-50 dBm ผูมทาง-สถุที่ประมาณสะวัฒนา -60 dBm -70 dBm Start 2.306 GHz Marker		1001 p	ts			



Ref Level	1 20.00 dB	m Offset 7.90 de	• RBW 100 kHz			4
Att	30 c	B SWT 18,9 µs		Mode Auto FFT		
SGL Count	100/100					
				M1[1]		3,41 dB
10 dBm					-1F	2.48005590 GH
				11		
0 dBm	-	-	ma	may		
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-30 dBm						
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and she th						
-70 dBm						
1.2.						
CF 2.48 GH			1001	1. B. C.		
B	and E	dge NVNT 2- m Offset 7.90 df		/Hz Ant1 No-	Hopping En	Span 8.0 MH:
Spectrum Ref Level Att SGL Count	and E		DH5 2480N	1Hz Ant1 No-		nission
Spectrun Ref Level Att	and E	m <b>Offset</b> 7.90 df	DH5 2480N	/Hz Ant1 No-		nission
Spectrum Ref Level Att SGL Count	and E	m <b>Offset</b> 7.90 df	DH5 2480N	Mil[1]		4,75 dB 2.48005000 GF
B Spectrum Ref Level Att SGL Count IPk Max	and E	m <b>Offset</b> 7.90 df	DH5 2480N	/Hz Ant1 No-		nission
B Spectrun Ref Level Att SGL Count 1Pk Max 10rd@m- 0 d8m-	and E	m <b>Offset</b> 7.90 df	DH5 2480N	Mil[1]		nission ( 4,75 dB) 2.48005000 GP -53,86 dB)
B Spectrum Ref Level Att SGL Count IPk Max 10rdBm- 0 dBm- -10 dBm-	and E 20.00 dB 30 d 100/100	m Offset 7.90 dß B SWT 227.5 µ:	DH5 2480N	Mil[1]		nission ( 4,75 dB) 2.48005000 GP -53,86 dB)
B Spectrun Ref Level Att SGL Count 1Pk Max 10rd@m- 0 d8m-	and E	m Offset 7.90 dß B SWT 227.5 µ:	DH5 2480N	Mil[1]		nission ( 4,75 dB) 2.48005000 GP -53,86 dB)
B Spectrum Ref Level Att SGL Count IPk Max 10rdBm- 0 dBm- -10 dBm-	and E 20.00 dB 30 d 100/100	m Offset 7.90 dß B SWT 227.5 µ:	DH5 2480N	Mil[1]		nission ( 4,75 dB) 2.48005000 GP -53,86 dB)
B Spectrum Ref Level Att SGL Count IPk Max 10rd&m- 0 d&m- -10rd&m- -20 d&m- -30rd&m-	and E 20.00 dB 30 d 100/100	m Offset 7.90 dß B SWT 227.5 µ:	DH5 2480N	Mil[1]		nission ( 4,75 dB) 2.48005000 GP -53,86 dB)
B Spectrum Ref Level Att SGL Count 1Pk Max 10rd&m 0 d&m -10 d&m -20 d&m -20 d&m -30 d&m -30 d&m -30 d&m	and E 20.00 dB 30 c 100/100	m Offset 7.90 d8 B SWT 227.5 µ:	DH5 2480N	Altz Ant1 No-		1.75 dB 4.75 dB 2.48005000 GH -53.86 dB 2.48350000 GH
B Spectrum Ref Level Att SGL Count IPk Max 10rd&m -10 d&m -20 d&m -20 d&m -30 d&m -30 d&m -30 d&m	and E 20.00 dB 30 c 100/100	m Offset 7.90 dß B SWT 227.5 µ:	DH5 2480N	Mil[1]		1.75 dB 4.75 dB 2.48005000 GH -53.86 dB 2.48350000 GH
B Spectrum Ref Level Att SGL Count 10rd8m 0 d8m -10 d8m -20 d8m -30 d8m -30 d8m -50 d8m -60 d8m	and E 20.00 dB 30 c 100/100	m Offset 7.90 d8 B SWT 227.5 µ:	DH5 2480N	Altz Ant1 No-		1.75 dB 4.75 dB 2.48005000 GH -53.86 dB 2.48350000 GH
B Spectrum Ref Level Att SGL Count IPk Max 10rd&m -10 d&m -20 d&m -20 d&m -30 d&m -30 d&m -30 d&m	and E 20.00 dB 30 c 100/100	m Offset 7.90 d8 B SWT 227.5 µ:	DH5 2480N	Altz Ant1 No-		1.75 dB 4.75 dB 2.48005000 GH -53.86 dB 2.48350000 GH
B Spectrum Ref Level Att SGL Count 10rd8m 0 d8m -10 d8m -20 d8m -30 d8m -30 d8m -50 d8m -60 d8m	D1 -16.5	m Offset 7.90 d8 B SWT 227.5 µ:	DH5 2480N	/Hz Ant1 No-		1.75 dB 4.75 dB 2.48005000 GH -53.86 dB 2.48350000 GH
B Spectrum Ref Level Att SGL Count ISGL Count IDrd&m 0 d8m -10 d8m -20 d8m -20 d8m -30 d8m -30 d8m -30 d8m -70 d8m -70 d8m -70 d8m -70 d8m	20.00 dB 30 c 100/100 D1 -16,5	m Offset 7.90 dB B SWT 227.5 µ:	DH5 2480N	Mode Auto FFT	utypontrious days	nission
B Spectrum Ref Level Att SGL Count 10rdBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm	20.00 dB 30 c 100/100 D1 -16,5	m Offset 7.90 d8 B SWT 227.5 µ:	DH5 2480N	/Hz Ant1 No- 2 Mode Auto FFT M1[1] M2[1] M2[1] physicial and	utypontrious days	1.75 dB 2.48005000 GF -53,86 dB 2.48350000 GF
B Spectrum Ref Level Att SGL Count 10rdBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dB	20.00 dB 30 c 100/100 01 -16.5 01 -16.5 001 -16.5	m Offset 7.90 dB B SWT 227.5 µ: 	DH5 2480N	Mode Auto FFT	utypontrious days	nission
B Spectrum Ref Level Att SGL Count 10rd8m 0 d8m -10 d8m -20 d8m -20 d8m -30 d8m -30 d8m -50 d8m -50 d8m -50 d8m -70 d8	and E 20.00 dB 30 c 100/100 D1 -16.5	m Offset 7.90 db B SWT 227.5 µ: 	DH5 2480N	MHz Ant1 No-	utypontrious days	nission



Spectrum Ref Level	1 20.00 dBm	Offset 7.90		100 -					
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SGL Count	t 100/100								
			Ĩ		M	1[1]		1.00	4,82 dBm
10 dBm	-						·	2.401	L84020 GH2
				M1					
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-60 dBm			1			1.000		1	
-70 dBm									1 1
	1.2					1.1			
									and the second s
CF 2.402 E	Band Ec	lge NVNT	- 3-DH5	1001 r 5 2402M		] :1 No-H	opping	•	
E Spectrui Ref Level Att	Band Ec		90 dB 📦 RB	5 2402M	Hz Ant		opping	•	8
E Spectrui Ref Level	Band Ec	Offset 7.9	90 dB 📦 RB	5 2402M	Hz Ant		opping	•	on
E Spectrur Ref Level Att SGL Coun PIPk Max	Band Ec	Offset 7.9	90 dB 📦 RB	5 2402M	Hz Ant		opping	Emissic	on (₩ 3.78 dBm
Spectrur Ref Level Att SGL Coun	Band Ec	Offset 7.9	90 dB 📦 RB	5 2402M	Hz Ant Mode /	Auto FFT.	opping	Emissic	200 
E Spectrur Ref Level Att SGL Coun PIPk Max	Band Ec	Offset 7.9	90 dB 📦 RB	5 2402M	Hz Ant Mode /	Auto FFT	opping	Emissic	0N (₩ 3.78 dBm 185000 GHz
E Spectrur Ref Level Att SGL Coun • 1Pk Max 10 dBm-	Band Ec 1 20.00 dBm 30 dB t 100/100	Offset 7.9 SWT 227	90 dB 📦 RB	5 2402M	Hz Ant Mode /	Auto FFT	opping	Emissic	200 
E Spectrur Ref Level Att SGL Coun • 1Pk Max 10 dBm	Band Ec	Offset 7.9 SWT 227	90 dB 📦 RB	5 2402M	Hz Ant Mode /	Auto FFT	opping	Emissic	200 
E Spectrur Ref Level Att SGL Coun SGL Coun 10 dBm 0 dBm -10 dBm -20 dBm	Band Ec 1 20.00 dBm 30 dB t 100/100	Offset 7.9 SWT 227	90 dB 📦 RB	5 2402M	Hz Ant Mode /	Auto FFT	opping	Emissic	200 
E Spectrur Ref Level Att SGL Coun • 1Pk Max 10 dBm	Band Ec 1 20.00 dBm 30 dB t 100/100	Offset 7.9 SWT 227	90 dB 📦 RB	5 2402M	Hz Ant Mode /	Auto FFT	opping	Emissic	200 
E Spectrur Ref Level Att SGL Coun SGL Coun 10 dBm 0 dBm -10 dBm -20 dBm	Band Ec 1 20.00 dBm 30 dB t 100/100	Offset 7.9 SWT 227	90 dB 🖕 RB	5 2402M 3W 100 kHz 3W 300 kHz	Hz Ant Mode /	Auto FFT	opping	Emissic	200 
E Spectrur Ref Level Att SGL Coun • 1Pk Max 10 dBm	Band Ec m 1 20.00 dBm 30 dB t 100/100	Offset 7.9 SWT 227	90 dB 🖝 RB	5 2402M	Mode /	Auto FFT.		2.400	00 3.78 dBm 85000 GH2 -46.88 dBm 000000 GH2
E Spectrur Ref Level Att SGL Coun • 1Pk Max 10 dBm- - 0 dBm- - 20 dBm- - 20 dBm- - 30 dBm- - 40 dBm-	Band Ec m 1 20.00 dBm 30 dB t 100/100	Offset 7.9 SWT 227	90 dB 🗨 RB	5 2402M	Mode /	Auto FFT		Emissic	00 3.78 dBm 85000 GH2 -46.88 dBm 000000 GH2
E Spectrur Ref Level Att SGL Coun • 1Pk Max 10 dBm - 0 dBm - 10 dBm - 20 dBm - 30 dBm - 40 dBm - 50 dBm - 50 dBm	Band Ec m 1 20.00 dBm 30 dB t 100/100	Offset 7.9 SWT 227	90 dB 🖝 RB	5 2402M	Mode /	Auto FFT.		2.400	00 3.78 dBm 85000 GH2 -46.88 dBm 000000 GH2
E Spectrur Ref Level Att SGL Coun 10 dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Band Ec m 1 20.00 dBm 30 dB t 100/100	Offset 7.9 SWT 227	90 dB 🖝 RB	5 2402M	Mode /	Auto FFT.		2.400	00 3.78 dBm 85000 GH2 -46.88 dBm 000000 GH2
E Spectrur Ref Level Att SGL Coun • 1Pk Max 10 dBm - 0 dBm - 10 dBm - 20 dBm - 20 dBm - 30 dBm - 30 dBm - 40 dBm - 50 dBm - 70 dBm - 70 dBm - 70 dBm	Band Ec m 1 20.00 dBm 30 dB t 100/100 D1 -15,180 muthematical	Offset 7.9 SWT 227	90 dB 🖝 RB	5 2402M	Mode / Mode / M	Auto FFT.		2.401 2.400	00 3.78 dBm 85000 GH2 -46.88 dBm 000000 GH2
E Spectrum Ref Level Att SGL Coun IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm	3and Ec 30 dB 1 20.00 dBm 30 dB 1 100/100 D1 -15,180 01 -15,180 01 -15,180 01 -15,180	Offset 7.9 SWT 227	90 dβ <b>ε R</b> .5 μs <b>ε Υ</b> Ρ	5 2402M	Mode / Mode / M	auto FFT	all white the set of the	2.400 2.400	2.406 GHz
E Spectrur Ref Level Att SGL Coun •1Pk Max 10 dBm -0 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 d	Band Ec m 1 20.00 dBm 30 dB t 100/100 	Offset 7.9 SWT 227	30 dB = RB .5 μs • VE	5 2402M	Hz Ant Mode / M M M M M	auto FFT	all white the set of the	2.401 2.400	2.406 GHz
E Spectrum Ref Level Att SGL Counn SGL Counn ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	Band Ec T 20.00 dBm 30 dB t 100/100 01 -15,180 01 -15,180 06 GHz ef [ Trc ]	Offset 7.9 SWT 227	90 dB <b>PR</b> .5 μs <b>VP</b>	5 2402M	Hz Ant Mode / 	auto FFT	all white the set of the	2.400 2.400	2.406 GHz
E Spectrur Ref Level Att SGL Coun • 1Pk Max 10 dBm • 10 dBm - 20 dBm - 20 dBm - 20 dBm - 30 dBm - 30 dBm - 40 dBm - 50 dBm - 50 dBm - 70 dBm - 70 dBm Start 2.30 Marker Type Ref M2	Band Ec m 1 20.00 dBm 30 dB t 100/100 D1 -15,180 01 -15,180 06 GHz ef Trc 1 1	Offset 7.9 SWT 227	90 dB <b>C R</b> .5 μs <b>V</b> <b>V</b> <b>V</b> <b>V</b> <b>V</b> <b>V</b> <b>V</b> <b>V</b> <b>V</b> <b>V</b>	5 2402M	Mode / Mode / M M M	auto FFT	all white the set of the	2.400 2.400	2.406 GHz



Spectrum Ref Level 20.00 dBn	n Offset 7.90 dB	PRW 100 647				
Att 30 di	B SWT 18.9 µs		Mode Auto FFT			
SGL Count 100/100 1Pk Max						
			M1[1]		1.000	5,07 dBr
10 dBm			1	1 1	2.4799	99200 GH
		M				
0 dBm		~~~	hoy	-		
-10 dBm			1			
-20 dBm				-	1 1	
1 C						
-30 dBm		0			_	
-40 dBm		$\Delta$	M			
month A	mm		he			
-50 dBm	www			Man		
co dour			· · · · · · · · · · · · · · · · · · ·	- V	June	m
-60 dBm		1.				
-70 dBm						
			E. 21 11 1			
CF 2.48 GHz	4	1001	nts		Spar	1 8.0 MHz
		1001	pts ]			_
Spectrum	dge NVNT 3-[ n Offset 7.90 d8	DH5 2480N	/Hz Ant1 No-	Hopping E		
Spectrum Ref Level 20.00 dBr		DH5 2480N	/Hz Ant1 No-			
Spectrum Ref Level 20.00 dBn Att 30 dt SGL Count 100/100	n <b>Offset</b> 7.90 dB	DH5 2480N	/Hz Ant1 No-			
Spectrum Ref Level 20.00 dBn Att 30 dl SGL Count 100/100 1Pk Max	n <b>Offset</b> 7.90 dB	DH5 2480N	/Hz Ant1 No-		Emissio	4.16 dBr
Spectrum Ref Level 20.00 dBn Att 30 di SGL Count 100/100 1Pk Max 10 dBm	n <b>Offset</b> 7.90 dB	DH5 2480N	/Hz Ant1 No-		Emission 2.4801	4.16 dBr 15000 GH 53.31 dBr
Spectrum Ref Level 20.00 dBn Att 30 dl SGL Count 100/100 1Pk Max	n <b>Offset</b> 7.90 dB	DH5 2480N	/Hz Ant1 No-		Emission 2.4801	4.16 dBr 15000 GH 53.31 dBr
Spectrum           Ref Level 20.00 dBn           Att 30 di           SGL Count 100/100           IPk Max           10,dBm           0 dBm	m Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		Emission 2.4801	4.16 dBn 15000 GH 13.31 dBn
Spectrum           Ref Level 20.00 dBn           Att         30 dl           SGL Count 100/100           1Pk Max           10,d8m           0 dBm	m Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		Emission 2.4801	1 ↓ 4,16 dBr 1,5000 GH 53,31 dBr 50000 GH
Spectrum           Ref Level 20.00 dBn           Att 30 dl           SGL Count 100/100           1Pk Max           10;dBm           0 dBm           -10 dBm           -20 dBm	m Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		Emission 2.4801	4.16 dBn 15000 GH 13.31 dBn
Spectrum           Ref Level 20.00 dBr           Att 30 dl           SGL Count 100/100           1Pk Max           10,dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	m Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		Emission 2.4801	4.16 dBn 15000 GH 13.31 dBn
Spectrum           Ref Level 20.00 dBn           Att 30 dl           SGL Count 100/100           IPk Max           10:dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	m Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		Emission 2.4801	4.16 dBn 15000 GH 13.31 dBn
Spectrum           Ref Level 20.00 dBr           Att 30 dl           SGL Count 100/100           ID/dBm           ID/dBm           ID/dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           50 dBm	n Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		2.4801 2.4801 2.483	4,16 dBn 15000 GH 33,31 dBn 50000 GH
Spectrum           Ref Level 20.00 dBr           Att 30 dl           SGL Count 100/100           IPk Max           10,dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	n Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		2.4801 2.4801 2.483	4,16 dBn 15000 GH 33,31 dBn 50000 GH
Spectrum           Ref Level 20.00 dBr           Att 30 dl           SGL Count 100/100           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -40 dBm           50 dBm	n Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		2.4801 2.4801 2.483	4,16 dBn 15000 GH 33,31 dBn 50000 GH
Spectrum           Ref Level 20.00 dBn           Att 30 dI           SGL Count 100/100           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm	n Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		2.4801 2.4801 2.483	4,16 dBn 15000 GH 33,31 dBn 50000 GH
Spectrum           Ref Level 20.00 dBr           Att 30 dI           SGL Count 100/100           ID:dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -4g dBm           -50 dBm           -60 dBm           -70 dBm           Start 2.476 GHz	n Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	IHz Ant1 No-           Z           Mode Auto FFT		2.480 2.480 2.483	4,16 dBr 15000 GH 53.31 dBr 50000 GH
Spectrum           Ref Level 20.00 dBr           Att 30 dl           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -70 dBm           -70 dBm           Start 2.476 GHz           Marker	n Offset 7.90 dB B SWT 227.5 µs	DH5 2480N	/Hz Ant1 No-		2.480 2.480 2.483	4,16 dBr 15000 GH 53.31 dBr 50000 GH
Spectrum           Ref Level 20.00 dBn           Att 30 dI           SGL Count 100/100           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm           -70 dBm           Start 2.476 GHz           Marker           Type         Ref           M1         1	n Offset 7.90 dB B SWT 227.5 μs 0 dBm M3 M3 X-value 2.48015 GH2	DH5 2480M	AHz Ant1 No-		2.480 2.480 2.483	4,16 dBn 15000 GH 33,31 dBn 50000 GH
Spectrum           Ref Level 20.00 dBr           Att 30 dl           SGL Count 100/100           IPk Max           10,d8m           0 dBr           -10 dBr           -20 dBr           -30 dBr           -30 dBr           -50 dBr           -70 dBr           -70 dBr           Start 2.476 GHz           Marker           Type   Ref   Trc	n Offset 7.90 dB B SWT 227.5 µs	DH5 2480N    RBW 100 kH2  VBW 300 kH2  VBW 300 kH2    IOU  IOU  IOU  Y-value	//Hz Ant1 No-           Z           Mode Auto FFT		2.480 2.480 2.483	4,16 dBr 15000 GH 53.31 dBr 50000 GH
Spectrum           Ref Level 20.00 dBr           Att         30 dB           SGL Count 100/100           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -4c dBm           -50 dBm           -60 dBm           -70 dBm           Start 2.476 GHz           Marker           Type Ref Trc           M1         1           M2         1	n Offset 7.90 dB B SWT 227.5 µs 0 dBm 10 dB	DH5 2480M	MHz Ant1 No-		2.480 2.480 2.483	4,16 dBr 15000 GH 53.31 dBr 50000 GH



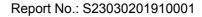
## 8.8 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-54.99	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-57.95	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-55.38	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.83	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-54.2	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-56.91	-20	Pass

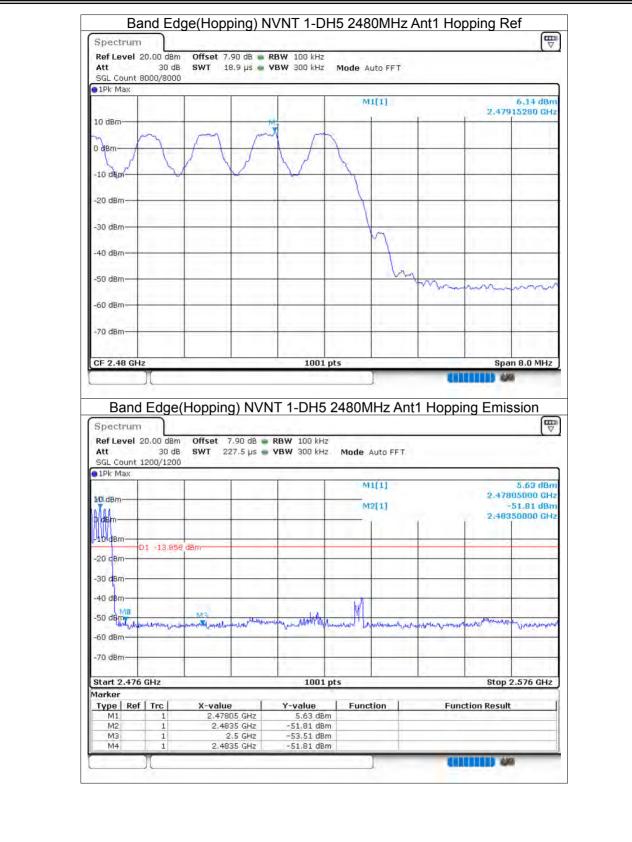
ACCREDITED Certificate #4298.01

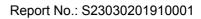


	and Ed	ge(Hopping)	Test Gr NVNT 1-DF		z Ant1 Hor	ping R	ef
Spectrun			2.02				
Ref Level		Offset 7.90 dB	RBW 100 kHz	A			
Att	30 dB	The second se	<b>• VBW</b> 300 kHz	Mode Auto FFT			
SGL Count	8000/8000						
				M1[1]			4.89 dBm
10 dBm				1	1	2.402	99900 GHz
10 UBIII				MI	1 minutes	1. A. A.	U.
0 dBm				1 m	m	man	
				1 / 1		1	
-10 dBm			1	2	V	5	Jul -
-20 dBm		P	1				
-30 dBm						1	1
-SU GBII			N				
-40 dBm							
		nr.					
-50 dBm		n work					
vvvm	m	La man					
-60 dBm							
-70 dBm						-	_
-70 0.60							
CF 2.402 (	iHZ		1001 p	ats and a second s		spa	n 8.0 MHz
		(Hopping) N\	/NT 1-DH5 :	2402MHz A	nt1 Hoppir	ng Emis	ssion
Spectrun Ref Level	n 20.00 dBm	Offset 7.90 dB	<b>RBW</b> 100 kHz		1	ng Emis	
Spectrun Ref Level Att	n 20.00 dBm 30 dB	Offset 7.90 dB SWT 227.5 µs			1	ng Emis	
Spectrun Ref Level Att SGL Count	n 20.00 dBm 30 dB	Offset 7.90 dB SWT 227.5 µs	<b>RBW</b> 100 kHz	Mode Auto FF1	1	ng Emis	₽
Spectrun Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 30 dB	Offset 7.90 dB SWT 227.5 µs	<b>RBW</b> 100 kHz		1		₩ 4.62 dBm
Spectrun Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 30 dB	Offset 7.90 dB SWT 227.5 µs	<b>RBW</b> 100 kHz	Mode Auto FF1	1	2.402	4.62 dBm 95000 GHz 54.37 dBm
Spectrun Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7.90 dB SWT 227.5 µs	<b>RBW</b> 100 kHz	Mode Auto FFT	1	2.402	4.62 dBm 95000 GHz
Spectrun Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7.90 dB SWT 227.5 µs	<b>RBW</b> 100 kHz	Mode Auto FFT	1	2.402	4.62 dBm 95000 GHz 54.37 dBm
Spectrun Ref Level Att SGL Count IPk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7.90 dB SWT 227.5 μs	<b>RBW</b> 100 kHz	Mode Auto FFT	1	2.402	4.62 dBm 95000 GHz 54.37 dBm
Spectrun Ref Level Att SGL Count IPk Max IPk Max O dBm	n 20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 μs	<b>RBW</b> 100 kHz	Mode Auto FFT	1	2.402	4.62 dBm 95000 GHz 54.37 dBm
Spectrun Ref Level Att SGL Count 1Pk Max 1D dBm	n 20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 μs	<b>RBW</b> 100 kHz	Mode Auto FFT	1	2.402	4.62 dBm 95000 GHz 54.37 dBm
Spectrun Ref Level Att SGL Count IPk Max ID dBm 0 dBm -10 dBm -20 dBm -30 dBm	n 20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 μs	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto FFT	1	2.402	4.62 dBm 95000 GHz 54.37 dBm
Spectrun Ref Level Att SGL Count IPk Max IPk Max O dBm O dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 µs	• RBW 100 kHz • VBW 300 kHz	Mode Auto FF1		2.402	4.62 dBm 95000 GHz 54.37 dBm
Spectrun Ref Level Att SGL Count IPk Max ID dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 µs	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto FF1		2.402	4.62 dBm 95000 GHz 54.37 dSm 00000 CH2
Spectrun Ref Level Att SGL Count IPk Max ID dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 µs	• RBW 100 kHz • VBW 300 kHz	Mode Auto FF1		2.402 2.400	4.62 dBm 95000 GHz 54.37 dSm 00000 CH2
Spectrun Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 µs	• RBW 100 kHz • VBW 300 kHz	Mode Auto FF1		2.402 2.400	4.62 dBm 95000 GHz 54.37 dSm 00000 CH2
Spectrun           Ref Level           Att           SGL Count           SGL Count           IPK Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -60 dBm	20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz           VBW 300 kHz	Mode Auto FFT		2.402 2.400	4.62 dBm 95000 GHz 54.37 dBm 06000 HH2 00000 HH2 0000 H2 00000 HH2 00000 HH2 0000 HH2 00000 HH2 000000 HH2 0000 HH2 0000 HH2 00000 HH2 00000 HH2 0000 HH2 0000 HH2 0000 HH2 0000 H2 0000 HH2 0000 HH2 00000 HH2 00000 HH2 00000 HH2 00000 HH2 00000
Spectrun           Ref Level           Att           SGL Count           1Pk Max           1D dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm           -70 dBm	20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 µs	• RBW 100 kHz • VBW 300 kHz	Mode Auto FFT		2.402 2.400	4.62 dBm 95000 GHz 54.37 dSm 00000 CH2
Spectrun           Ref Level           Att           SGL Count           ID dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -70 dBm           -70 dBm           Start 2.300	20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz           VBW 300 kHz	Mode Auto FFT		2.402 2.400	4.62 dBm 95000 GHz 54.37 dEm 06000 CH2 54.37 dEm 06000 CH2 2.406 GHz
Spectrun           Ref Level           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -70 dBm           Stort 2.30           Marker           Type           M1	20.00 dBm 30 dB 1200/1200 01 -15,100 %	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz VBW 300 kHz	Mode Auto FF1		2.402 2.400 M3 M3 Stop	4.62 dBm 95000 GHz 54.37 dEm 06000 CH2 54.37 dEm 06000 CH2 2.406 GHz
Spectrun           Ref Level           Att           SGL Count           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm           -70 dBm           Start 2.30           Marker           Type   Re	20.00 dBm 30 dB 1200/1200	Offset 7.90 dB SWT 227.5 µs	RBW 100 kHz VBW 300 kHz	Mode Auto FFT M1[1] M2[1]		2.402 2.400 M3 M3 Stop	4.62 dBm 95000 GHz 54.37 dEm 06000 CH2 54.37 dEm 06000 CH2 2.406 GHz
Spectrun           Ref Level           Att           SGL Count           1Pk Max           1D dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -70 dBm	20.00 dBm 30 dB 1200/1200 	Offset 7.90 dB SWT 227.5 µs	RBW         100 kHz           VBW         300 kHz	Mode Auto FFT		2.402 2.400 M3 M3 Stop	4.62 dBm 95000 GHz 54.37 dEm 06000 CH2 54.37 dEm 06000 CH2 2.406 GHz
Spectrun           Ref Level           Att           SGL Count           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -70 dBm           -70 dBm           Start 2.300           Type           Re M1           M2           M3	20.00 dBm 30 dB 1200/1200 01 -15.10) 9/24/0%//////////////////////////////////	Offset 7.90 dB SWT 227.5 µs	RBW         100 kHz           VBW         300 kHz	Mode Auto FFT		2.402 2.400 M3 M3 Stop	4.62 dBm 95000 GHz 54.37 dEm 06000 CH2 54.37 dEm 06000 CH2 2.406 GHz



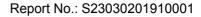






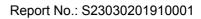


Spectrum Ref Level 2 Att SGL Count 8 1Pk Max	20.00 dBm 30 dB			RBW 100 kHz VBW 300 kHz	Mode A	uto FFT			
a) is main					M	1[1]			4,86 dBm
10 dBm						-	MI	2.403	183820 GHz
					Λ	an	An.	M	
0 dBm				m	and we	a sol	2 Mar	www	-
-10 dBm				1	_				
-20 dBm			_						
-20 0611									
-30 dBm		-	mm		_			1	
-40 dBm		/	- X						
	-	mont							
-50 dBm	m	CVN .							
-60 dBm	2.00				_				-
1.4				1					1.1.1
-70 dBm									
CF 2.402 G	H7			1001	nts			Sna	in 8.0 MHz
	17							and the second se	
Band			6.0	IT 2-DH5		] IHz Ant <sup>2</sup>	1 Hoppin	ng Emis	ssion
Band Spectrum Ref Level 2 Att SGL Count 2	20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	IT 2-DH5 RBW 100 kHz VBW 300 kHz			1 Hoppin	ng Emis	
Band Spectrum Ref Level 2 Att SGL Count 2	20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	ng Emis	
Band Spectrum Ref Level 2 Att	20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.405	2.98 dBm 505000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max	20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.405	2.98 dBm 505000 GHz -48 75 dBM
Band Spectrum Ref Level 2 Att SGL Count 2 SGL Count 2 10 dBm 0 dBm	20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.405	2.98 dBm 505000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB	Offset 7 SWT 22	7.90 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.405	2.98 dBm 505000 GHz -48 75 dBM
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 ID dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	7.90 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.405	2.98 dBm 505000 GHz -48 75 dBM
Band Spectrum Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	7.90 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.405	2.98 dBm 505000 GHz -48 75 dBM
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 SGL Count 1 D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	7.90 dB	RBW 100 kHz YBW 300 kHz	Mode / M	Auto FFT.		2.405	2.98 dBm 505000 GHz -48 75 dBM
Band Spectrum Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	7.90 dB	RBW 100 kHz	Mode / M	Auto FFT.		2.405 2.400	2.98 dBm 005000 GHz 48.75 dB/fj 006000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 SGL Count 1 D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	7.90 dB	RBW 100 kHz YBW 300 kHz	Mode / M	Auto FFT.		2.405 2.400	2.98 dBm 005000 GHz 48.75 dB/fj 006000 GHz
Band Spectrum Ref Level 2 Att 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	7.90 dB	RBW 100 kHz YBW 300 kHz	Mode / M	Auto FFT.		2.405 2.400	2.98 dBm 005000 GHz 48.75 dB/fj 006000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 SGL Count 1 D dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	7.90 dB	RBW 100 kHz	Mode /	Auto FFT.		2.405 2.400	2.98 dBm 505000 GHz 48.75 dBm 100000 GHz
Band Spectrum Ref Level 2 Att SGL Count 2 SGL Count 2 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 30 dB 1200/1200	Offset 7 SWT 22	7.90 dB 27.5 µs М4	RBW 100 kHz	Mode /	Auto FFT		2.405 2.400 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	2.98 dBm 505000 GHz 48.75 dBm 1000000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 SGL Count 1 ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22 dBm	7.90 dB 27.5 µs М4	RBW 100 kHz	Mode / M M M	Auto FFT		2.405 2.400	2.98 dBm 505000 GHz 48.75 dBm 1000000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm	20.00 dBm 30 dB 1200/1200 01 -15,144 GHz GHz 1 1	Offset 7 SWT 22 dBm dBm www.u.u.w. www.u.u.w. com z.405( 2.405( 2	7.90 dB 27.5 µs М4 мис <sup>ин</sup> но 05 GHz .4 GHz	RBW 100 kHz VBW 300 kHz I I I I I I I I I I I I I	Mode / M 	Auto FFT		2.405 2.400 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	2.98 dBm 505000 GHz 48.75 dBm 1000000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1	20.00 dBm 30 dB 1200/1200 01 -15,144 	Offset 7 SWT 22 dBm- dBm- 2.4050 2.4050 2.2.	7.90 dB 27.5 µs М4 	RBW 100 kHz VBW 300 kHz	Mode / M 	Auto FFT	Func	2.405 2.400 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	2.98 dBm 505000 GHz 48.75 dBm 1000000 GHz



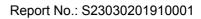








Ref Level Att SGL Count	30 dB	Offset 7.9 SWT 18		3W 100 kHz 3W 300 kHz	Mode A	uto FFT			Ţ Ţ
IPK Max					M	1[1]			4,30 dBm
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-20 dBm			_						
-30 dBm			m					1	
-40 dBm		/	_		_				
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-50 dBm-	mont								
-60 dBm			$\rightarrow$		_				-
70 40-									
-70 dBm									· ·
CF 2.402 G			-	1001 p	ots		-	Spa	an 8.0 MHz
Banc	ו <u>d Edge(</u>		200	T 3-DH5	2402N	] IHz Ant'	1 Hoppii	•	8
Banc Spectrum Ref Level Att SGL Count	20.00 dBm 30 dB	Offset 7	.90 dB 🝙 R	T 3-DH5	2402N		1 Hoppin	•	ssion
Banc Spectrum Ref Level Att SGL Count	20.00 dBm 30 dB	Offset 7	.90 dB 🝙 R	T 3-DH5	2402N Mode		1 Hoppin	ng Emis	ssion ₩ 2.24 dBm
Banc Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 7	.90 dB 🝙 R	T 3-DH5	2402M Mode	Auto FFT.	1 Hoppin	ng Emis 2.401	2.24 dBm 195000 GHz
Banc Spectrum Ref Level Att	20.00 dBm 30 dB	Offset 7	.90 dB 🝙 R	T 3-DH5	2402M Mode	Auto FFT	1 Hoppin	ng Emis 2.401	2.24 dBm 195000 GHz
Banc Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	.90 dB 🝙 R	T 3-DH5	2402M Mode	Auto FFT.	1 Hoppin	ng Emis 2.401	2:24 dBm
Banc Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm- 0 dBm- -10 dBm-	20.00 dBm 30 dB	Offset 7 SWT 22	.90 dB 🝙 R	T 3-DH5	2402M Mode	Auto FFT.	1 Hoppin	ng Emis 2.401	2.24 dBm 195000 GHz
Banc Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm- 0 dBm- -10 dBm-	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	.90 dB 🝙 R	T 3-DH5	2402M Mode	Auto FFT.	1 Hoppin	ng Emis 2.401	2.24 dBm 195000 GHz
Banc Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	.90 dB 🝙 R	T 3-DH5	2402M Mode	Auto FFT.		ng Emis 2.401	2.24 dBm 195000 GHz
Banc Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	D1 -15,704	Offset 7, SWT 22	.90 dB <b>R</b> 7.5 μs <b>V</b>	T 3-DH5	2402M Mode . M	Auto FFT.		2.400 2.400	2.24 dBm 195000 GHz -49.94 dBm 195000 GHz
Banc Spectrum Ref Level Att 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	D1 -15,704	Offset 7, SWT 22	.90 dB <b>R</b> 7.5 μs <b>V</b>	T 3-DH5	2402M Mode . M	Auto FFT.		2.400 2.400	2.24 dBm 195000 GHz -49.94 dBm 195000 GHz
Banc Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -50 dBm	D1 -15,704	Offset 7, SWT 22	.90 dB <b>R</b> 7.5 μs <b>V</b>	T 3-DH5	2402M Mode . M	Auto FFT.		2.400 2.400	2.24 dBm 195000 GHz -49.94 dBm 195000 GHz
Banc Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm	D1 -15,704	Offset 7, SWT 22	.90 dB <b>R</b> 7.5 μs <b>V</b>	T 3-DH5	2402M Mode . M	Auto FFT.		2.400 2.400	2.24 dBm 195000 GHz -49.94 dBm 195000 GHz
Banc Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm	D1 -15,704	Offset 7, SWT 22	.90 dB <b>R</b> 7.5 μs <b>V</b>	T 3-DH5	2402N Mode . M	Auto FFT.		2.401 2.400	2.24 dBm 195000 GHz -49.94 dBm 195000 GHz
Banc Spectrum Ref Level Att SGL Count IPk Max ID dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	D1 -15,704	Offset 7, SWT 22	.90 dB <b>R</b> 7.5 μs <b>V</b>	T 3-DH5	2402N Mode .       	Auto FFT.	workigunatu	2.401 2.400	2.24 dBm 2.24 dBm 195000 GHz -49.94 dBm 000000 GHz Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2
Banc Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -50 dBm- -50 dBm- -70 dBm- -70 dBm- -70 dBm-	D1 -15,704	Offset 7 SWT 22	.90 dB <b>R</b> 7.5 μs <b>V</b>	T 3-DH5	2402N Mode .     	Auto FFT.	workigunatu	2.400 2.400	2.24 dBm 2.24 dBm 195000 GHz -49.94 dBm 000000 GHz Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2
Banc Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70	D1 -15,704	Offset 7, SWT 22 dBm	.90 dB <b>В R</b> 7.5 µs <b>У</b>	T 3-DH5 IBW 100 kHz IBW 300 kHz IBW 300 kHz IBW 300 kHz IBW 300 kHz IBW 100 k	2402M Mode . M M	Auto FFT.	workigunatu	2.400 2.400	2.24 dBm 2.24 dBm 195000 GHz -49.94 dBm 000000 GHz Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2 Ng2



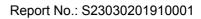


Ref Level Att SGL Count	30 dB	SWT 18.9				uto FFT			(T
1Pk Max		1			M	1[1]	_	-	4.95 dBn
10 dBm	o		M1					2.479	100100 GH
0 dBm	M	m	A	-	Low	1			
V~	v.	1			- A				
-10 dBm			-	-		-	·		
-20 dBm			-				-		
-30 dBm	<u> </u>					1		1	1
						$\Lambda$		1	
-40 dBm			_			ha			
-50 dBm			_				hand	500 A 0000	
-60 dBm			_						
				1		1			
-70 dBm		1							÷
CF 2.48 GH	17			1001	nte			Sna	n 8.0 MHz
Spectrun Ref Level	1 20.00 dBm	(Hopping)	i dB 📦 I	<b>RBW</b> 100 kH:	z		1 Hoppi	ng Emis	
Spectrun	20.00 dBm 30 dB	Offset 7.90 SWT 227.5	i dB 📦 I	<b>RBW</b> 100 kH:	z z <b>Mode</b> 4	Auto FFT	1 Hoppi	ng Emis	₽
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 7.90 SWT 227.5	i dB 📦 I	<b>RBW</b> 100 kH:	z z Mode A M	Auto FFT.	1 Hoppi	2.477	3.55 dBn 795000 GH:
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 7.90 SWT 227.5	i dB 📦 I	<b>RBW</b> 100 kH:	z z Mode A M	Auto FFT	1 Hoppi	2.477	3.55 dBn
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 d8m 30 d8 1200/1200	Offset 7.90 SWT 227.5	i dB 📦 I	<b>RBW</b> 100 kH:	z z Mode A M	Auto FFT.	1 Hoppi	2.477	3.55 dBn 295000 GH2 -52,94 dBn
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 7.90 SWT 227.5	i dB 📦 I	<b>RBW</b> 100 kH:	z z Mode A M	Auto FFT.	1 Hoppi	2.477	3.55 dBn 295000 GH2 -52,94 dBn
Spectrun Ref Level Att SGL Count 1Pk Max 1P, dBm -10 dBm -10 dBm	20.00 d8m 30 d8 1200/1200	Offset 7.90 SWT 227.5	i dB 📦 I	<b>RBW</b> 100 kH:	z z Mode A M	Auto FFT.	1 Hoppi	2.477	3.55 dBn 295000 GH2 -52,94 dBn
Spectrum Ref Level Att SGL Count • 1Pk Max LQ dBm -10 dBm -20 dBm -20 dBm	20.00 d8m 30 d8 1200/1200	Offset 7.90 SWT 227.5	i dB 📦 I	<b>RBW</b> 100 kH:	z z Mode A M	Auto FFT.	1 Hoppi	2.477	3.55 dBn 295000 GH2 -52,94 dBn
Spectrum Ref Level Att SGL Count 1Pk Max 1P dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB 1200/1200 D1 -15,051	Offset 7.90 SWT 227.5	β dB e I	RBW 100 kH VBW 300 kH	2 2. Mode / M M	Auto FFT.		2.477	3.55 dBn 995000 GH; 52.94 dBn 55000 GH;
Spectrum Ref Level Att SGL Count • 1Pk Max • 1Pk Max • 1Pk Max • 1Pk Max • 20 dBm - 20 dBm - 30 dBm - 40 dBm	20.00 dBm 30 dB 1200/1200	Offset 7.90 SWT 227.5	β dB e I	RBW 100 kH; VBW 300 kH;	2 2. Mode / M M	Auto FFT.	1 Hoppi	2.477	3.55 dBn 795000 GHi 52.94 dBn 350000 GHi
Spectrum Ref Level Att SGL Count • 1Pk Max • 1Pk Max • 1Pk Max • 1Pk Max • 1Pk Max • 20 dBm - 30 dBm - 40 dBm - 50 dBm	20.00 dBm 30 dB 1200/1200 D1 -15,051	Offset 7.90 SWT 227.5	β dB e I	RBW 100 kH VBW 300 kH	2 2. Mode / M M	Auto FFT.		2.477	3.55 dBn 995000 GH; 52.94 dBn 55000 GH;
Spectrum Ref Level Att SGL Count • 1Pk Max µp dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	20.00 dBm 30 dB 1200/1200 01 -15.051 M4	Offset 7.90 SWT 227.5	β dB e I	RBW 100 kH VBW 300 kH	Z Mode A	Auto FFT.		2.477 2.483	3.55 dBn 995000 GH: 52.94 dBn 550000 GH:
Spectrum Ref Level Att SGL Count • 1Pk Max • 1Pk Max • 1Pk Max • 0 dBm -10 dBm -20 dBm -20 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	20.00 dBm 30 dB 1200/1200 D1 -15,051 M4 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Offset 7.90 SWT 227.5	β dB e I	RBW 100 kH VBW 300 kH 	Z Mode A	Auto FFT.	Terming yours and	2.477 2.483	3.55 dBn 795000 GH: 52.94 dBn 350000 GH: 2.576 GHz
Spectrun           Ref Level           Att           SGL Count           • 1Pk Max           • 1Pk Max           • 1Pk Max           • 1Pk Max           • 0 dBm           -20 cBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -70 dBm           Start 2.470           Marker           Type           M1	20.00 dBm 30 dB 1200/1200 D1 -15,051 M4 y.y.v.l.a.h.y.dy.c 5 GHz f Trc 1	Offset 7.90 SWT 227.5	i dB = 1	RBW 100 kH VBW 300 kH 100 1001 Y-value 3.55 dB	z Mode A	Auto FFT.	Terming yours and	2.477 2.483	3.55 dBn 795000 GH: 52.94 dBn 350000 GH: 2.576 GHz
Spectrun Ref Level Att SGL Count • 1Pk Max ID dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm Marker Type Re M1 M2 M3	20.00 dBm 30 dB 1200/1200 D1 -15,051 M4 5 GHz f Trc 1 1 1 1	Offset 7.90 SWT 227.5 dBm dBm M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	i dB = 1 j μs = 1 j j j j j j j j j j j j j	RBW 100 kH: VBW 300 kH: VBW 300 kH: 100 100 1001 Y-value 3.55 dB -52.94 dB -52.94 dB	2 2. Mode / M M M M M M M Funct m m m	Auto FFT.	Terming yours and	2.477 2.483	3.55 dBn 795000 GH: 52.94 dBn 350000 GH: 2.576 GHz
Spectrun Ref Level Att SGL Count • 1Pk Max · 1Pk Max · 20 cBm - 10 cBm - 20 cBm - 30 dBm - 30 dBm - 50 dBm - 70 dB	20.00 dBm 30 dB 1200/1200 01 -15,051 01 -15,051 01 -5,051 01 -5,051 01 -15,051 01 -15,05	Offset 7.90 SWT 227.5	i dB = 1 j μs = 1 j j j j j j j j j j j j j	RBW 100 kH VBW 300 kH VBW 300 kH 1001 Y-value 3.55 dB -52.94 dB	2 2. Mode / M M M M M M M Funct m m m	Auto FFT.	Terming yours and	2.477 2.483	3.55 dBn 795000 GH: 52.94 dBn 350000 GH: 2.576 GHz



## 8.9 CONDUCTED RF SPURIOUS EMISSION

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	Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
	NVNT	1-DH5	2402	Ant1	-43.3	-20	Pass
	NVNT	1-DH5	2441	Ant1	-50.09	-20	Pass
	NVNT	1-DH5	2480	Ant1	-50.71	-20	Pass
	NVNT	2-DH5	2402	Ant1	-47.72	-20	Pass
	NVNT	2-DH5	2441	Ant1	-46.65	-20	Pass
	NVNT	2-DH5	2480	Ant1	-43.43	-20	Pass
	NVNT	3-DH5	2402	Ant1	-50.99	-20	Pass
	NVNT	3-DH5	2441	Ant1	-49.57	-20	Pass
	NVNT	3-DH5	2480	Ant1	-47.17	-20	Pass





	Tx. Spurious	SINVINT T-DE	15 24UZIVIHZ	Anti Rei		
Spectrum						
Ref Level 20.00 d Att 30		<ul> <li>RBW 100 kHz</li> <li>VBW 300 kHz</li> </ul>	Mode Auto FET			
SGL Count 100/100	and the state of the second second	e ten versie	Hous Hate II I			
1Pk Max	1	1 1	MI[1]			4.71 dDm
			willi		2.401966	4,71 dBm 52510 GHz
10 dBm		M1				
0 dBm			-			
o dam						
-10 dBm				-		
-20 dBm						
-30 dBm				· · · · · · · ·	1 11	~
-40 dBm						
50 dBm						
-50 dBm						
-60 dBm		_		-		
-70 dBm			-			
					1	and the second s
CF 2.402 GHz		30001 p	ts		Spar	11.5 MHz
Spectrum	x. Spurious N		2402MHz Ar	It1 Emiss	ion	
Spectrum Ref Level 20,00 d	IBm Offset 7.90 dB	🛢 RBW 100 kHz			ion	(
Spectrum Ref Level 20,00 d Att 30 SGL Count 10/10	IBm Offset 7.90 dB				ion	(₩)
Spectrum Ref Level 20,00 d Att 30 SGL Count 10/10	IBm Offset 7.90 dB	🛢 RBW 100 kHz	Mode Auto Swee		ion	
Spectrum Ref Level 20,00 d Att 30 SGL Count 10/10 1Pk Max	IBm Offset 7.90 dB	🛢 RBW 100 kHz	Mode Auto Swee		2.4	4.24 dBm 02070 GHz
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm1	IBm Offset 7.90 dB	🛢 RBW 100 kHz	Mode Auto Swee		2.44 -;	4.24 dBm
Spectrum           Ref Level 20.00 d           Att         30           SGL Count 10/10           IPk Max           10 dBm           0 dBm	IBm Offset 7.90 dB	🛢 RBW 100 kHz	Mode Auto Swee		2.44 -;	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm           -10 dBm           01 -15,2	IBm Offset 7.90 dB dB SWT 265 ms	🛢 RBW 100 kHz	Mode Auto Swee		2.44 -;	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm           -10 dBm           -20 dBm	IBm Offset 7.90 dB dB SWT 265 ms	🛢 RBW 100 kHz	Mode Auto Swee		2.44 -;	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level 20.00 d           Att 30           SGL Count 10/10           IPk Max           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm	IBm Offset 7.90 dB dB SWT 265 ms	🛢 RBW 100 kHz	Mode Auto Swee		2.44 -;	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           M2           -40 dBm	IBm Offset 7.90 dB dB SWT 265 ms	• RBW 100 kHz • VBW 300 kHz	Mode Auto Swee		2.44 -;	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level         20,00 d           Att         30           SGL Count         10/10           1Pk Max         10           10 dBm         11           -10 dBm         01           -20 dBm         01           -30 dBm         10           -40 dBm         10	IBm Offset 7.90 dB dB SWT 265 ms	🛢 RBW 100 kHz	Mode Auto Swee		2.44 -;	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm	IBm Offset 7.90 dB dB SWT 265 ms	• RBW 100 kHz • VBW 300 kHz	Mode Auto Swee		2.44 -;	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           M2           -40 dBm	IBm Offset 7.90 dB dB SWT 265 ms	• RBW 100 kHz • VBW 300 kHz	Mode Auto Swee		2.44 -;	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm	IBm Offset 7.90 dB dB SWT 265 ms	<ul> <li>RBW 100 kHz</li> <li>VBW 300 kHz</li> </ul>	Mode Auto Swee		2.44 -: 87	4.24 (Bm )2070 GHz 88.59 (Bm 9.687 MHz
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -70 dBm           -70 dBm	IBm Offset 7.90 dB dB SWT 265 ms	• RBW 100 kHz • VBW 300 kHz	Mode Auto Swee		2.44 -: 87	4.24 dBm 02070 GHz 38.59 dBm
Spectrum           Ref Level 20,00 d           Att 30           SGL Count 10/10           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -50 dBm	IBm Offset 7.90 dB dB SWT 265 ms	<ul> <li>RBW 100 kHz</li> <li>VBW 300 kHz</li> </ul>	Mode Auto Swee		2.44 -: 87	4.24 (Bm )2070 GHz 88.59 (Bm 9.687 MHz
Spectrum           Ref Level 20,00 d           Att         30           SGL Count 10/10           1Pk Max           10 dBm           -10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -50 dBm           -50 dBm           -70 dBm </td <td>IBm Offset 7.90 dB dB SWT 265 ms 94 dBm 194 dB</td> <td>RBW 100 kHz VBW 300 kHz           VBW 300 kHz           100 kHz           300 kHz           100 kHz&lt;</td> <td>Mode Auto Swee</td> <td></td> <td>2.44 -: 87 </td> <td>4.24 (Bm )2070 GHz 88.59 (Bm 9.687 MHz</td>	IBm Offset 7.90 dB dB SWT 265 ms 94 dBm 194 dB	RBW 100 kHz VBW 300 kHz           VBW 300 kHz           100 kHz           300 kHz           100 kHz<	Mode Auto Swee		2.44 -: 87 	4.24 (Bm )2070 GHz 88.59 (Bm 9.687 MHz
Spectrum           Ref Level         20,00 d           Att         30           SGL Count         10/10           1Pk Max         10           10 dBm         11           -10 dBm         01           -20 dBm         01           -30 dBm         10           -50 dBm         10           -50 dBm         10           -70 dBm         10	IBm Offset 7.90 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee		2.44 -: 87 	4.24 (Bm )2070 GHz 88.59 (Bm 9.687 MHz
Spectrum         Ref Level 20,00 d           Att         30           SGL Count 10/10         1Pk Max           10 dBm         10           -10 dBm         01           -10 dBm         01           -10 dBm         01           -30 dBm         01           -50 dBm         01           -70 dBm         1           M3         1           M3         1           M4         1	IBm Offset 7.90 dB dB SWT 265 ms 265 ms 294 dBm 194 dB	RBW 100 kHz VBW 300 kHz	Mode Auto Swee		2.44 -: 87 	4.24 (Bm )2070 GHz 88.59 (Bm 9.687 MHz
Spectrum           Ref Level         20,00 d           Att         30           SGL Count         10/10           1Pk Max         30           10 dBm         40           -10 dBm         01           -20 dBm         -15,2           -30 dBm         -40 dBm           -50 dBm         -50 dBm           -70 dBm         -70 dBm           -70 dBm         -70 dBm           -70 dBm         -70 dBm           -70 dBm         -70 dBm           -70 dBm         1           -70 dBm         1	IBm Offset 7.90 dB dB SWT 265 ms 294 dBm 294 dBm 3 M4 294 dBm 294 dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	PP	2.44 -: 87 	4,24 dBm 02070 GHz 38,59 dBm 9,687 MHz 00,000 dBm 00,000 dBm 26.5 GHz



