

RADIO TEST REPORT FCC ID: 2ANMU-WP28

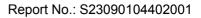
Product: Smart Phone Trade Mark: OUKITEL Model No.: WP28 Family Model: WP28 S, WP28 Pro, WP28 Ultra Report No.: S23090104402001 Issue Date: Sep 28, 2023

Prepared for

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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, 518XXX China
Manufacturer's Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK,DAFU INDUSTRIAL ZONE,GUANLAN, LONGHUA SHENZHEN, 518XXX China
Product description	
Product name:	Smart Phone
Trade Mark	OUKITEL
Model and/or type reference :	WP28
Family Model:	WP28 S, WP28 Pro, WP28 Ultra
Test Sample number:	S230901044003

Measurement Procedure Used:

APPLICABLE STANDARDS STANDARD/ TEST PROCEDURE TEST RESULT FCC 47 CFR Part 2, Subpart J Complied FCC 47 CFR Part 15, Subpart C Complied 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.

This report shall not be reproduced except in full, without the written approval of Shenzhen NTEK Testing Technology Co., Ltd., this document may be altered or revised by Shenzhen NTEK Testing Technology Co., Ltd., personnel only, and shall be noted in the revision of the document. The test results of this report relate only to the tested sample identified in this report.

•	Sep 01, 2023 ~ Sep 28, 2023
:	Mukzi Lee (Mukzi Lee)
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:	(Alex Li)
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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&5/F, Building C, 1&2/F, Building E, Fenda Science Park, Sanwei Community, Hangcheng Street, Baoan District, Shenzhen ,Guangdong, 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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ACCREDITED Certificate #4298.01

Product Feature and Specification		
Equipment	Smart Phone	
Trade Mark	OUKITEL	
FCC ID	2ANMU-WP28	
Model No.	WP28	
Family Model	WP28 S, WP28 Pro, WP28 Ultra	
Model Difference	All the model are the same circuit and RF module, except the colors.	
Operating Frequency	2402MHz~2480MHz	
Modulation	GFSK, π/4-DQPSK, 8-DPSK	
Number of Channels	79 Channels	
Antenna Type	PIFA Antenna	
Antenna Gain	0.21dBi	
Adapter	Model: HJ-PD20W-US Input: 100-240V~50/60Hz 0.8A Output: 5.0V3.0A 15.0W OR 9.0V2.22A 19.98W OR 12.0V1.67A 20.0W MAX	
Battery	DC 3.87V, 10600mAh, 41.022Wh	
Power supply	DC 3.87V from battery or DC 5V from Adapter.	
HW Version	J557_9230TMB_D4XU_V1.2	
SW Version	OUKITEL_WP28_EEA_V03	

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	
S23090104402001	Rev.01	Initial issue of report	Sep 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 π /4-DQPSK modulation; 3Mbps for 8-DPSK modulation) were used for all test.

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

Carrier Frequency and Channel list:

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

Note: fc=2402MHz+k×1MHz k=0 to 78

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

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

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 3Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

For Conducted Test Cases		
Final Test Mode	Description	
Mode 2	CH00(2402MHz)	
Mode 3	CH39(2441MHz)	
Mode 4	CH78(2480MHz)	
Mode 5	Hopping mode	

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

ACCREDITED Certificate #4298.01	Report	No.: S2309010440200
DER TEST		
ION OF TEST SYSTEM		
C-1 AE-1 Adapter	AC PLUG	
s listed in the equipment	list.	perform conducted tests
	C-1 AE-1 Adapter	C-1 Certificate #4298.01 C-1 AE-1 Report AC PLUG



6.2 SUPPORT EQUIPMENT

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

Item	Equipment	Model/Type No.	Series No.	Note
AE-1	Adapter	HJ-PD20W-US	N/A	Peripherals

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:

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

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6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

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Radiation& Conducted Test equipment

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	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2023.03.27	2024.03.26	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2023.05.29	2024.05.28	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2023.05.29	2024.05.28	1 year
4	Test Receiver	R&S	ESPI7	101318	2023.03.27	2024.04.26	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2023.03.16	2024.03.16	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2023.05.06	2026.05.05	3 year
7	Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2816	2023.01.12	2024.01.11	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2022.11.07	2023.11.06	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2023.05.29	2024.05.28	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2022.11.04	2023.11.03	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2023.05.29	2024.05.28	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
15	Filter	TRILTHIC	2400MHz	29	2023.03.26	2026.03.25	3 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:

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



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

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



7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

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7.1.1 Applicable Standard

According to FCC Part 15.207(a)

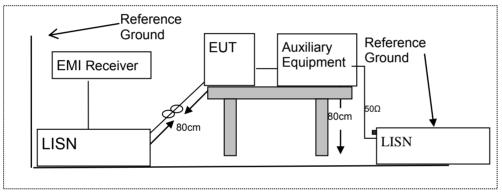
7.1.2 Conformance Limit

	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**

EUT:	Smart Phone	Model Name :	WP28
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

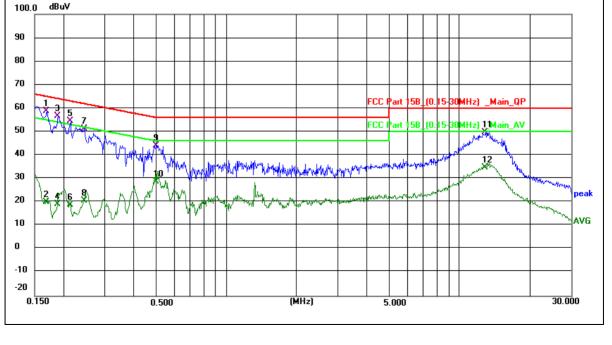
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remar
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	k
0.1675	48.79	9.97	58.76	65.08	-6.32	QP
0.1675	9.94	9.97	19.91	55.08	-35.17	AVG
0.1872	46.56	10.01	56.57	64.16	-7.59	QP
0.1872	9.22	10.01	19.23	54.16	-34.93	AVG
0.2127	44.45	10.06	54.51	63.10	-8.59	QP
0.2127	8.69	10.06	18.75	53.10	-34.35	AVG
0.2442	41.21	10.12	51.33	61.95	-10.62	QP
0.2442	10.52	10.12	20.64	51.95	-31.31	AVG
0.5020	33.47	10.65	44.12	56.00	-11.88	QP
0.5020	18.12	10.65	28.77	46.00	-17.23	AVG
12.7980	40.14	9.70	49.84	60.00	-10.16	QP
12.7980	25.01	9.70	34.71	50.00	-15.29	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.

100.0 dBuV





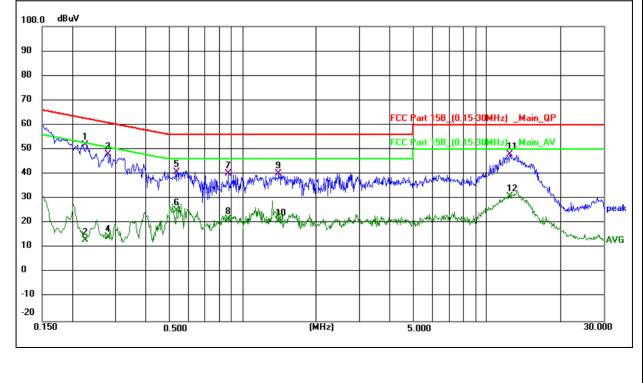
EUT:	Smart Phone	Model Name :	WP28
Temperature:	25℃	Relative Humidity:	62%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.2260	41.67	10.10	51.77	62.60	-10.83	QP
0.2260	2.91	10.10	13.01	52.60	-39.59	AVG
0.2819	37.77	10.20	47.97	60.76	-12.79	QP
0.2819	4.30	10.20	14.50	50.76	-36.26	AVG
0.5340	30.06	10.71	40.77	56.00	-15.23	QP
0.5340	14.36	10.71	25.07	46.00	-20.93	AVG
0.8700	28.85	11.40	40.25	56.00	-15.75	QP
0.8700	10.29	11.40	21.69	46.00	-24.31	AVG
1.3940	27.75	12.44	40.19	56.00	-15.81	QP
1.3940	8.63	12.44	21.07	46.00	-24.93	AVG
12.4420	38.29	9.70	47.99	60.00	-12.01	QP
12.4420	21.17	9.70	30.87	50.00	-19.13	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.





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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 13.20	According to FOOT art 13.203, 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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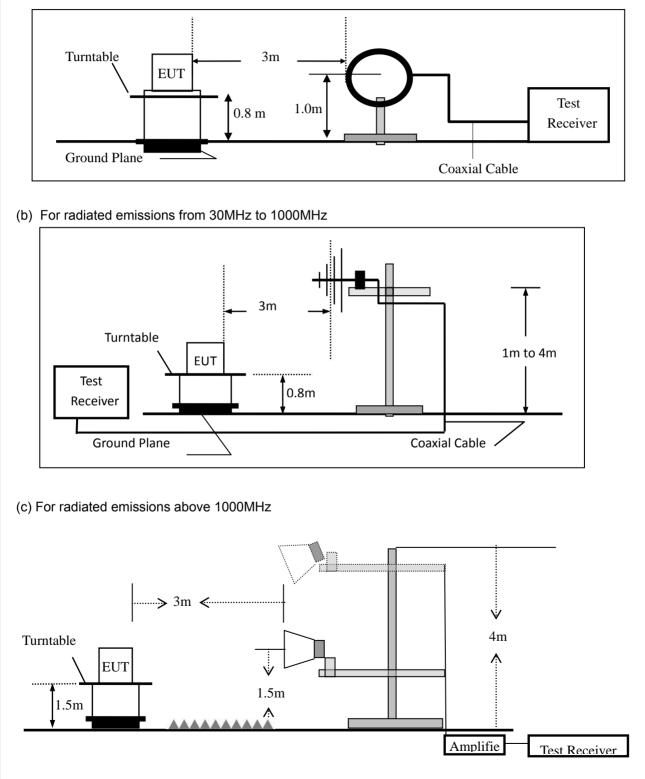
The Measuring equipment is listed in the section 6.3 of this test report.

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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:

	J -
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 t	est, the Spectrum An	alyzer was set with the follow	ving configurations:
	Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
ĺ	30 to 1000	QP	120 kHz	300 kHz
	Above 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:	Smart Phone	Model No.:	WP28
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

Freq.	Ant.Pol.	Emission L	evel(dBuV/m)	Limit 3	m(dBuV/m)	Over	(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	(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: Smart Phone Model Name : WP28 **25°**℃ Relative Humidity: 55% Temperature: Test Mode: Pressure: 1010hPa Mode 2 DC 3.87V Test Voltage :

Pola		Freque	ency		Me Rea			Fac	tor	Em L	iss .ev		n		Limi	ts	Ма	argin	1	Re	ema	ark
(H/V	/)	(MH	lz)		(dB	₿uV	/)	(dE	3)	(dB	Bu∖	//m)		(dBuV	/m)	(0	dB)				
V		30.31	170		5.	85		26.2	29	3	2.1	4			40.0	0	-7	.86			QP)
V		43.8´			5.	55		18.8		2	4.3	88			40.0	0	-1	5.62			QP)
V		118.6				99		18.			4.7				43.5			8.80			QP	
V		158.1			6.36		18.			4.5				43.5		_	8.98			QP		
V		714.1				53		28.			5.7				46.0	0		0.29			QP	
V		942.1	304		5.	62		31.	28	3	6.9	90			46.0	0	-9	9.10			QP	,
Rem Emis 80.0	ssion	Level=	Mete	r Rea	adir	ng+	- Fa	ictor, N	largir	n= Em	niss	sior	<u>ו ר</u>	.ev	el - Lin	nit						
70 - 60 - 50 -												: Pai			ass B-30-11						-	
40 30	Service and an and a	Mu Z						3	4						م المولين	Hondrym	w.locusters	urus ^{te}	5	Vanna	b X	
20 -		- And	when	maker	LAN Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	y and	ww	what	ernañs	WARYWARDA	ju di na	N ^{dh}	****	41.4V	Wingger Higher						_	
10 -					+		+														\neg	
0.0 30.	.000		6().00					()	dHz)				3	DO.OO					10	100.0)00

NTEK JLW®

Polar	Freque	ency		Mete eadi		Factor		niss _ev		n		Limit	s	Ма	rgin		Re	mark
(H/V)	(MH	lz)	(dBu	V)	(dB)	(dl	3u\	//m)		(dBuV	/m)	(0	B)			
Н	32.06	67		5.23	3	25.32		30.5	55			40.0	0	-9	.45		(QΡ
Н	39.85	541		8.07	7	21.10		29.1	17			40.0	0	-1(0.83		(QΡ
Н	110.1	816		7.67	7	18.32	2	25.9	99			43.5	0	-17	7.51		(QP
Н	132.6			7.13	-	18.83		25.9	96			43.5	0		7.54			QP
Н	734.4			6.48		28.56		35.0				46.0			0.96			QP
H Remarl	878.3	214		6.18	3	30.54		36.7	72			46.0	0	-9	.28		(QP
	on Level= BuV/m	Meter	Rea	ding	+ Fa	actor, Ma	rgin= Ei	nis	sio	n L	.e\	vel - Lim	nit					_
70			_															-
60			_					FCO	Pa	rt 15	5-CI	ass B-30-11)00MHz-	Radiate	ed-QP		+	
50								┢	gin-	6 d	0							
40 30 1	2					3									harden	5 Mur	4 1 1 1	w/#
20	N-laylow way we are	40.		al and	market	3	and the state	and the second	vnu	waru	M	profile and the first	Willingther A	Margaret				
10		Wownutly	phillip	Mary .														
0.0																		
30.000		60.0	00				(MHz)	-			30	00.00		1			10	00.000



Spurious	Emissior	n Above 1	GHz (1GH	z to 25GH	z)					
EUT:	Sm	hart Phon	е	Mode	l No.:		WP28			
Temperature	20	°C		Relat	ve Humidity	/:	48%			
Test Mode:	Mc	de2/Mod	e3/Mode4	Test I	By:		Mukzi	Lee		
All the modula	ation mod	les have	been teste	d, and the	worst resul	t was	report	t as below	/:	
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Lir	mits	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dB	uV/m)	(dB)		
			Low Chan	nel (2402 N	lHz)(8DPSł	<)Abo	ve 1G			
4804	68.81	5.21	35.59	44.30	65.31	74	4.00	-8.69	Pk	Vertical
4804	45.11	5.21	35.59	44.30	41.61	54	4.00	-12.39	AV	Vertical
7206	70.99	6.48	36.27	44.60	69.14	74	4.00	-4.86	Pk	Vertical
7206	49.05	6.48	36.27	44.60	47.20	54	4.00	-6.80	AV	Vertical
4804	69.66	5.21	35.55	44.30	66.12	74	4.00	-7.88	Pk	Horizontal
4804	48.68	5.21	35.55	44.30	45.14	54	4.00	-8.86	AV	Horizontal
7206	68.88	6.48	36.27	44.52	67.11	74	4.00	-6.89	Pk	Horizontal
7206	46.22	6.48	36.27	44.52	44.45	54	4.00	-9.55	AV	Horizontal
		-	Mid Channe	el (2441 MI	lz)(8DPSK	()Ab	ove 1G			
4882	70.57	5.21	35.66	44.20	67.24	74	4.00	-6.76	Pk	Vertical
4882	50.72	5.21	35.66	44.20	47.39	54	4.00	-6.61	AV	Vertical
7323	69.14	7.10	36.50	44.43	68.31	74	4.00	-5.69	Pk	Vertical
7323	50.91	7.10	36.50	44.43	50.08	54	4.00	-3.92	AV	Vertical
4882	70.29	5.21	35.66	44.20	66.96	74	4.00	-7.04	Pk	Horizontal
4882	49.47	5.21	35.66	44.20	46.14	54	4.00	-7.86	AV	Horizontal
7323	70.76	7.10	36.50	44.43	69.93	74	4.00	-4.07	Pk	Horizontal
7323	50.42	7.10	36.50	44.43	49.59	54	4.00	-4.41	AV	Horizontal
			High Chann	el (2480 MI	Hz)(8DPSK	() Ab	pove 10	3		
4960	69.1	5.21	35.52	44.21	65.62	74	4.00	-8.38	Pk	Vertical
4960	48.35	5.21	35.52	44.21	44.87	54	4.00	-9.13	AV	Vertical
7440	70.26	7.10	36.53	44.60	69.29	74	4.00	-4.71	Pk	Vertical
7440	46.45	7.10	36.53	44.60	45.48	54	4.00	-8.52	AV	Vertical
4960	68.79	5.21	35.52	44.21	65.31	74	4.00	-8.69	Pk	Horizontal
4960	50.81	5.21	35.52	44.21	47.33	54	4.00	-6.67	AV	Horizontal
7440	69	7.10	36.53	44.60	68.03	74	4.00	-5.97	Pk	Horizontal
7440	49.15	7.10	36.53	44.60	48.18	54	4.00	-5.82	AV	Horizontal

Note:

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



UT:	Smart Ph	one		Mod	el No.:		WP2	28		
emperature	20 ℃			Rela	tive Humidi	ty:	48%)		
est Mode:	Mode2/ M	lode4		Test	By:		Muk	zi Lee		
Al <u>l</u> the modu	lation mod	es have	been test	ed, and th	ne worst res	sult wa	as rep	port as be	elow:	-
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Lim	iits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ\	V/m)	(dB)	Туре	
			3	3Mbps(8-DF	SK)-Non-hop	ping				
2310.00	68.51	2.97	27.80	43.80	55.48	74	4	-18.52	Pk	Horizontal
2310.00	50.6	2.97	27.80	43.80	37.57	54	4	-16.43	AV	Horizontal
2310.00	70.24	2.97	27.80	43.80	57.21	74	4	-16.79	Pk	Vertical
2310.00	50.93	2.97	27.80	43.80	37.90	54	4	-16.10	AV	Vertical
2390.00	70.46	3.14	27.21	43.80	57.01	74	4	-16.99	Pk	Vertical
2390.00	47.51	3.14	27.21	43.80	34.06	54	4	-19.94	AV	Vertical
2390.00	70.57	3.14	27.21	43.80	57.12	74	4	-16.88	Pk	Horizontal
2390.00	50.14	3.14	27.21	43.80	36.69	54	4	-17.31	AV	Horizontal
2483.50	70.86	3.58	27.70	44.00	58.14	74	4	-15.86	Pk	Vertical
2483.50	47.63	3.58	27.70	44.00	34.91	54	4	-19.09	AV	Vertical
2483.50	69.39	3.58	27.70	44.00	56.67	74	4	-17.33	Pk	Horizontal
2483.50	45.04	3.58	27.70	44.00	32.32	54	4	-21.68	AV	Horizontal
				3Mbps(8-	DPSK)-hoppin	ıg				
2310.00	68.43	2.97	27.80	43.80	55.40	74	4	-18.60	Pk	Horizontal
2310.00	46.7	2.97	27.80	43.80	33.67	54	4	-20.33	AV	Horizontal
2310.00	69.2	2.97	27.80	43.80	56.17	74	4	-17.83	Pk	Vertical
2310.00	48.73	2.97	27.80	43.80	35.70	54	4	-18.30	AV	Vertical
2390.00	70.46	3.14	27.21	43.80	57.01	74	4	-16.99	Pk	Vertical
2390.00	50.92	3.14	27.21	43.80	37.47	54	4	-16.53	AV	Vertical
2390.00	68.79	3.14	27.21	43.80	55.34	74	4	-18.66	Pk	Horizontal
2390.00	49.36	3.14	27.21	43.80	35.91	54	4	-18.09	AV	Horizontal
2483.50	69.59	3.58	27.70	44.00	56.87	74	4	-17.13	Pk	Vertical
2483.50	48.85	3.58	27.70	44.00	36.13	54	4	-17.87	AV	Vertical
2483.50	70.6	3.58	27.70	44.00	57.88	74	4	-16.12	Pk	Horizontal
2483.50	48.19	3.58	27.70	44.00	35.47	54	4	-18.53	AV	Horizontal

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



EUT:	Sm	art Phon	е		Mode	l No.:		WP28	}		
emperature	: 20	°C			Relat	ive Humidity	v:	48%			
est Mode:		de2/ Moc	le4		Test		,	Mukzi	Lee		
All the modu				ed, a			ult wa			W:	
Frequency	Reading Level	Cable Loss	Antenna Factor		eamp ictor	Emission Level	Lir	nits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(0	dB)	(dBµV/m)	(dB	JV/m)	(dB)	Туре	
3260	70.02	4.04	29.57	44	1.70	58.93	7	74	-15.07	Pk	Vertical
3260	46.97	4.04	29.57	44	1.70	35.88	54		-18.12	AV	Vertical
3260	69.67	4.04	29.57	44	1.70	58.58	7	74	-15.42	Pk	Horizonta
3260	49.41	4.04	29.57	44	1.70	38.32	54		-15.68	AV	Horizonta
3332	68.15	4.26	29.87	44	1.40	57.88	74		-16.12	Pk	Vertical
3332	45.04	4.26	29.87	44	1.40	34.77	Ę	54	-19.23	AV	Vertical
3332	70.83	4.26	29.87	44	1.40	60.56	7	74	-13.44	Pk	Horizonta
3332	47.61	4.26	29.87	44	1.40	37.34	Ę	54	-16.66	AV	Horizonta
17797	57.96	10.99	43.95	43	3.50	69.40	7	74	-4.60	Pk	Vertical
17797	34.89	10.99	43.95	43	3.50	46.33	Ę	54	-7.67	AV	Vertical
17788	59.99	11.81	43.69	44	1.60	70.89	7	74	-3.11	Pk	Horizonta
17788	38.86	11.81	43.69	44	1.60	49.76	Ę	54	-4.24	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

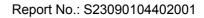
Please refer to Section 6.1 of this test report.

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:	Smart Phone	Model No.:	WP28
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Mukzi Lee





7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

7.4.1 Applicable Standard

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

7.4.2 Conformance Limit

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

7.4.3 Measuring Instruments

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

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2

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

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

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

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = Measurement Bandwidth or Channel Separation

RBW: Start with the RBW set to approximately 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:	Smart Phone	Model No.:	WP28
Temperature:	20 °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:	JT: Smart Phone M		WP28
Temperature:	20 ℃	Relative Humidity:	WP28 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

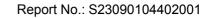
Please refer to Section 6.1 of this test report.

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:	Smart Phone	Model No.:	WP28	
Temperature:	20 °C	Relative Humidity:	WP28 48% Mukzi Lee	
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:	Smart Phone	Model No.:	WP28
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee



7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

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

7.8.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.205(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

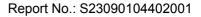
Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.

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:	Smart Phone	Model No.:	WP28
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	WP28 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 PIFA antenna (Gain: 0.21 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.

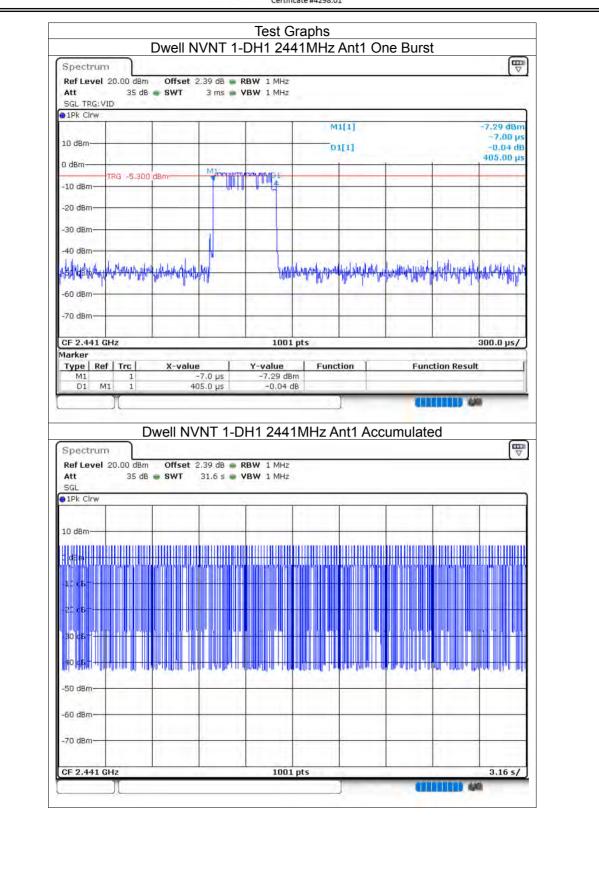


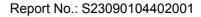
8 TEST RESULTS

8.1 DWELL TIME

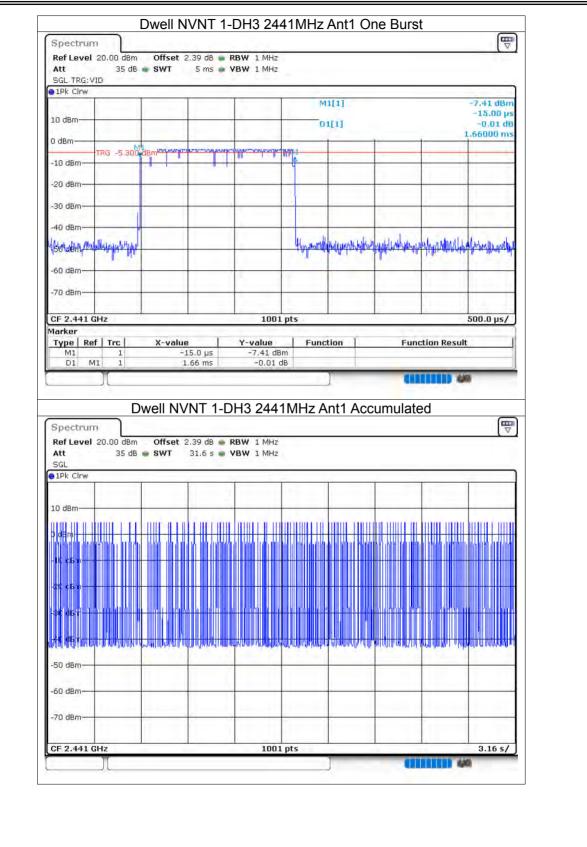
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.405	79.785	197	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.66	215.8	130	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.912	244.608	84	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.399	80.598	202	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.65	204.6	124	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.904	270.072	93	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.396	73.656	186	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.645	207.27	126	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.904	261.36	90	31600	400	Pass

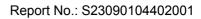






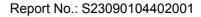




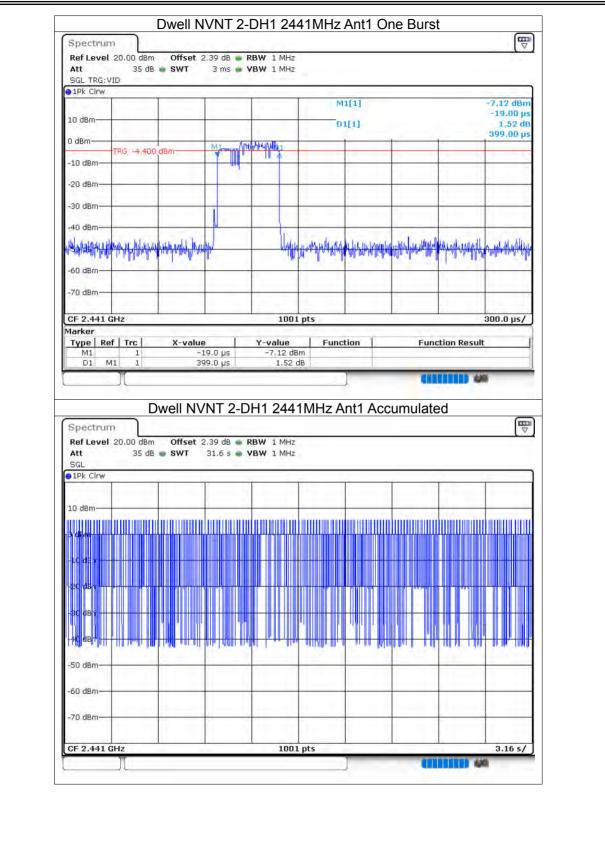


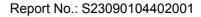


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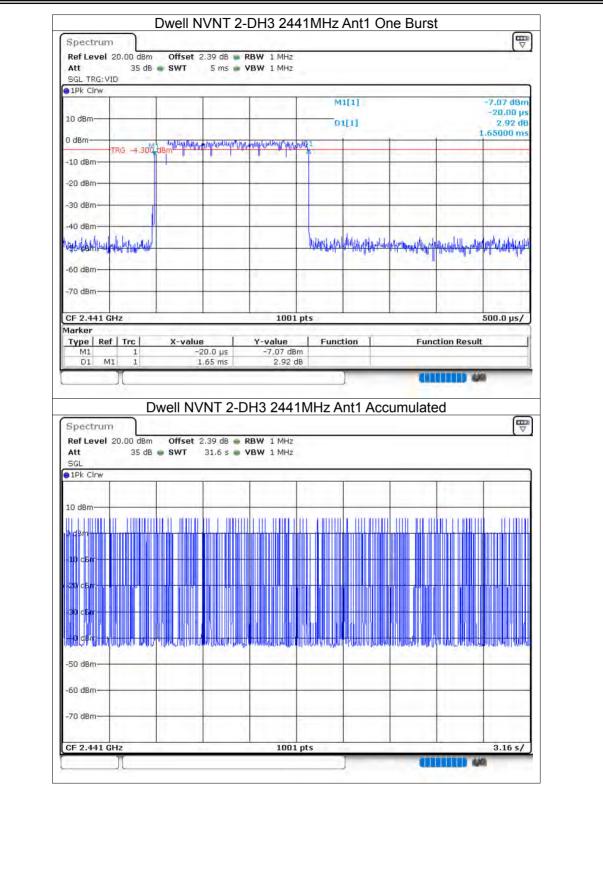


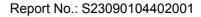




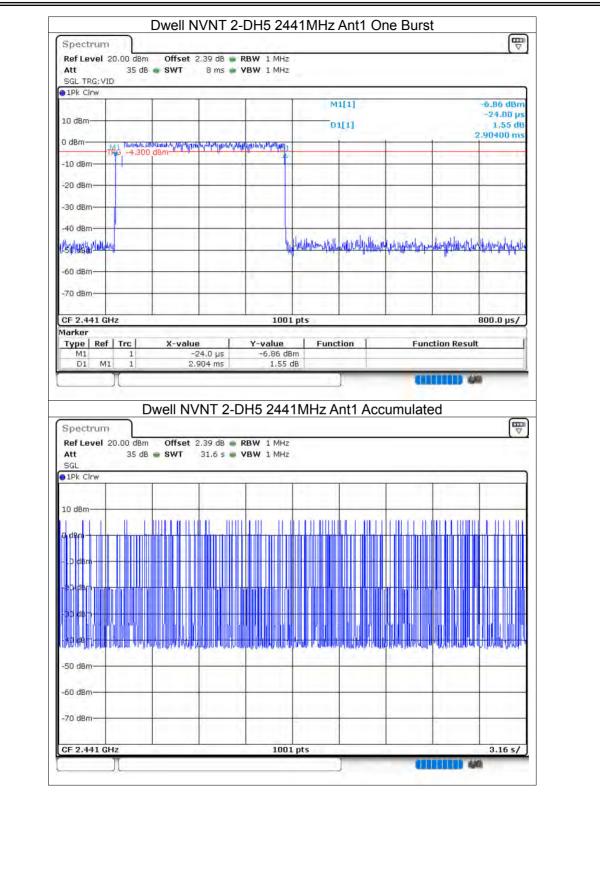


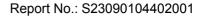




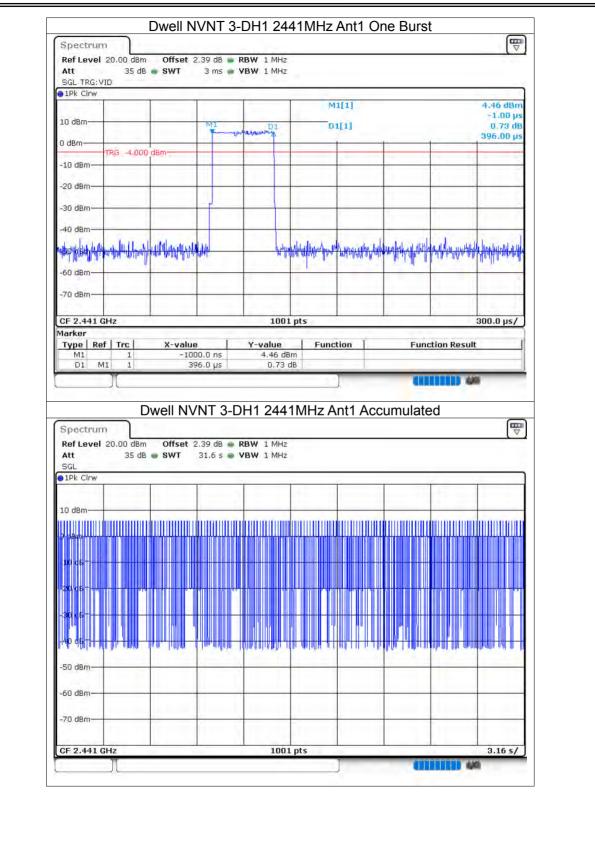


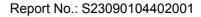




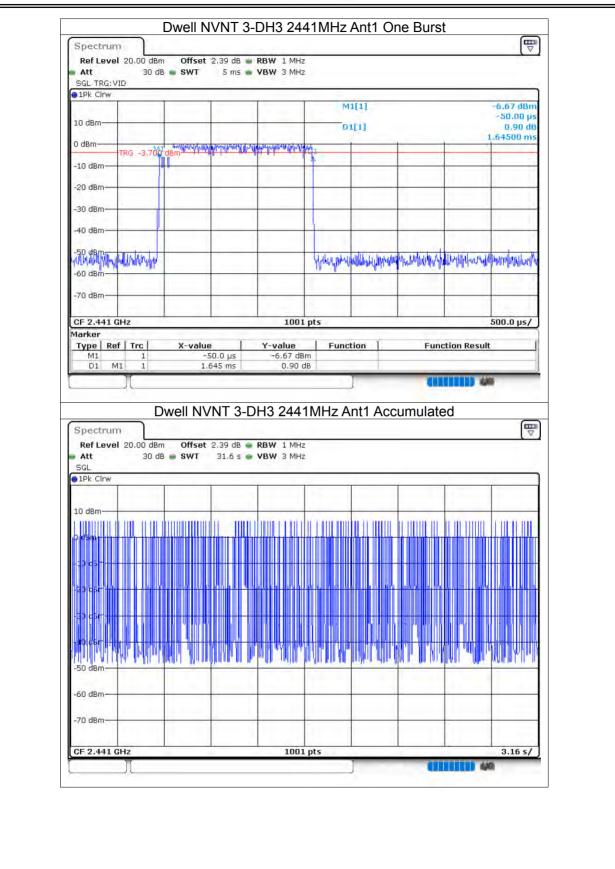


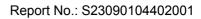












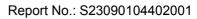


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	Ref Level Att SGL 1Pk Clrw 10 dBm -10 dBm -20 dBm -30 dBm	n 20.00 dBm 35 dB	Offset :	2.39 dB • F 31.6 s • V	BW 1 MHz BW 1 MHz					
CF 2.441 GHz 1001 pts 3.16 s/	Ref Level Att SGL 1Pk Clrw 10 dBm 10 dBm -10 dEm -20 dEm -30 dEm -50 dBm -60 dBm	n 20.00 dBm 35 dB	Offset :	2.39 dB • F 31.6 s • V	BW 1 MHz BW 1 MHz					
	Ref Level Att SGL 1Pk Clrw 10 dBm 10 dBm -10 dEm -20 dEm -30 dEm -50 dBm	n 20.00 dBm 35 dB	Offset :	2.39 dB • F 31.6 s • V	BW 1 MHz BW 1 MHz					



8.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	3	21	Pass
NVNT	1-DH5	2441	Ant1	4.68	21	Pass
NVNT	1-DH5	2480	Ant1	3.53	21	Pass
NVNT	2-DH5	2402	Ant1	7.2	21	Pass
NVNT	2-DH5	2441	Ant1	6.26	21	Pass
NVNT	2-DH5	2480	Ant1	5.76	21	Pass
NVNT	3-DH5	2402	Ant1	7.33	21	Pass
NVNT	3-DH5	2441	Ant1	6.5	21	Pass
NVNT	3-DH5	2480	Ant1	5.99	21	Pass



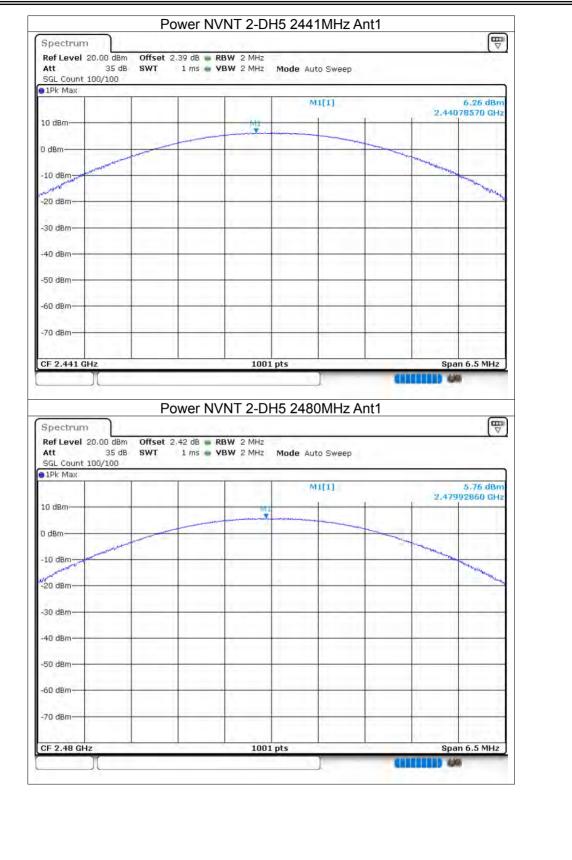


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Spectrum Ref Level Att SGL Count IPk Max 10 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	NT 1-D BW 2 MHz BW 2 MHz	H5 2441 Mode Aut	o Sweep	unt1		₩ 4,68 dBm
Spectrun Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	.nt1		₩ \$,68 dBm
Spectrun Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	.nt1		₩ \$,68 dBm
Spectrun Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	unt1		₩ \$,68 dBm
Spectrun Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	.nt1		₩ \$,68 dBm
Spectrun Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	.nt1		₩ \$,68 dBm
Spectrun Ref Level Att IPk Max 10 dBm 0 dBm 20 dBm -20 dBm -30 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	.nt1		₩ \$,68 dBm
Spectrun Ref Level Att IPk Max 10 dBm 0 dBm 20 dBm -20 dBm -30 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	unt1		₩ \$,68 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -20 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	.nt1		₩ \$,68 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm 20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	.nt1		₩ \$,68 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm 20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep	.nt1		₩ \$,68 dBm
Spectrun	20.00 dBm 35 dB	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441 Mode Aut	o Sweep			₩ 4,68 dBm
Spectrum Ref Level Att SGL Count D dBm 10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm	20.00 dBm 35 dB 100/100	Offset 2	2.39 dB 💼 RE	MT 1-D	H5 2441	o Sweep	.nt1	2,44	4,68 dBm 079020 GHz
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -20 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm	20.00 dBm 35 dB 100/100	Offset 2	2.39 dB 💼 RE	MT 1-D BW 2 MHz BW 2 MHz M1	H5 2441	o Sweep		2.44	4,68 dBm 079020 GHz
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -20 dBm -20 dBm -40 dBm -50 dBm -50 dBm -70 dBm	20.00 dBm 35 dB 100/100	Offset 2	2.39 dB 💼 RE	MT 1-D	H5 2441	o Sweep		2.44	4,68 dBm 079020 GHz



SGL Count 1Pk Max	100/100				- <u>1</u>				
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) dBm				*					
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20 dBm									
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40 dBm				-		_			
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70 dBm									
		_	-	100	1 pts		-	Spa	an 5.0 MHz
CF 2.48 GI	-IZ								
Spectrun Ref Level Att SGL Count	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	H5 2402 Mode Auto		nt1		
Spectrun Ref Level Att SGL Count	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto		nt1		(₩) 7.20 dBm
Spectrun Ref Level Att SGL Count 1Pk Max	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		(7)
Spectrum Ref Level Att SGL Count IPk Max	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		(₩) 7.20 dBm
Spectrun Ref Level Att SGL Count 1Pk Max .0 dBm 	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		(₩) 7.20 dBm
Spectrum Ref Level Att SGL Count IPk Max	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		(₩) 7.20 dBm
Spectrun Ref Level Att SGL Count 1Pk Max .0 dBm 	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		7.20 dBm 209090 GHz
Spectrun Ref Level Att SGL Count IPk Max 0 dBm 0 dBm 10 dBm	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		7.20 dBm 209090 GHz
Spectrum Ref Level Att SGL Count IPK Max 0 dBm 0 dBm 10 dBm 10 dBm 20 dBm 30 dBm	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		7.20 dBm 209090 GHz
Spectrum Ref Level Att SGL Count IPK Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		7.20 dBm 209090 GHz
Spectrum Ref Level Att SGL Count IPK Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		7.20 dBm 209090 GHz
Spectrum Ref Level Att SGL Count IPK Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		7.20 dBm 209090 GHz
Spectrum Ref Level Att SGL Count IPK Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	0 20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 R	BW 2 MHz	Mode Auto	o Sweep	nt1		7.20 dBm 209090 GHz
Spectrum Ref Level Att SGL Count IPK Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm	20.00 dBm 35 dB 100/100	Offset 2	2.38 dB 🖷 R	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2.40	7.20 dBm 209090 GHz







SGL Count 100/1 1Pk Max	00						
				MIT[1	1	2 40	7.33 dBm 205840 GHz
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10 dBm							Some Constant
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30 dBm	_		-				
40 dBm							
						-	1
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70 dBm							
4.7.2							1.1
CF 2.402 GHz		-	1001	pts		Spa	an 6.5 MHz
Ref Level 20.00 Att S SGL Count 100/1	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	15 2441M Mode Auto S			
Ref Level 20.00 Att S SGL Count 100/1	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz		Sweep .	2,44	€,50 dBm
Ref Level 20.00 Att SGL Count 100/1 1Pk Max	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2,440	6,50 dBm
Spectrum Ref Level 20.00 Att 3 SGL Count 100/1)1Pk Max 10 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2,44	6,50 dBm
Ref Level 20.00 Att S SGL Count 100/1 11Pk Max 10 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2.44	6,50 dBm
Ref Level 20.00 Att SGL Count 100/1 SGL Count 100/1 11Pk Max 10 dBm 10 dBm 10 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2.44	6,50 dBm
Ref Level 20.00 Att S SGL Count 100/1 11Pk Max 10 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2,44	6,50 dBm
Ref Level 20.00 Att SGL Count 100/1 SGL Count 100/1 11Pk Max 10 dBm 0 dBm 10 dBm 20 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2,44	6,50 dBm
Ref Level 20.00 Att 3 SGL Count 100/1 100/1 11Pk Max 3 10 dBm 30 dBm 20 dBm 30 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2,44	6,50 dBm
Ref Level 20.00 Att 3 SGL Count 100/1 1 11Pk Max 1 10 dBm 1 10 dBm 1 10 dBm 1 20 dBm 1 30 dBm 1 40 dBm 1	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2,44	6,50 dBm
Ref Level 20.00 Att 3 SGL Count 100/1 1 11Pk Max 3 10 dBm 3 10 dBm 30 dBm 30 dBm 30 dBm 40 dBm 30 dBm 50 dBm 50 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2,44	6,50 dBm
Ref Level 20.00 Att 3 SGL Count 100/1 1 11Pk Max 1 10 dBm 1 10 dBm 1 10 dBm 1 20 dBm 1 30 dBm 1 40 dBm 1	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2.44	6,50 dBm
Ref Level 20.00 Att 3 SGL Count 100/1 3 1Pk Max 3 0 dBm 3 10 dBm 30 dBm 30 dBm 30 dBm 40 dBm 50 dBm 50 dBm 60 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .	2,44	6,50 dBm
Ref Level 20.00 Att S SGL Count 100/1 S 11Pk Max S 10 dBm S 10 dBm S 10 dBm S 30 dBm S 40 dBm S 50 dBm S 60 dBm S 70 dBm S	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz BW 2 MHz	Mode Auto S	Sweep .		6,50 dBm 196100 GHz
Ref Level 20.00 Att 3 SGL Count 100/1 3 1Pk Max 3 0 dBm 3 10 dBm 30 dBm 30 dBm 30 dBm 40 dBm 50 dBm 50 dBm 60 dBm	dBm Offset : 35 dB SWT	2.39 dB 👅 R	BW 2 MHz	Mode Auto S	Sweep .		6,50 dBm 196100 GHz



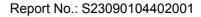
[i	pectrum
	Mode Auto Sweep	12 dB 💼 RBW 2 MHz 1 ms 🖷 VBW 2 MHz	35 dB SWT	Ref Level 20 Att
			0/100	GL Count 10 1Pk Max
5,99 dB 2,47994160 G	MI[1]			
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				100
Span 6.5 MH	pts	1001		F 2.48 GHz



8.3 -20DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.944	Pass
NVNT	1-DH5	2441	Ant1	0.952	Pass
NVNT	1-DH5	2480	Ant1	1.018	Pass
NVNT	2-DH5	2402	Ant1	1.33	Pass
NVNT	2-DH5	2441	Ant1	1.31	Pass
NVNT	2-DH5	2480	Ant1	1.3	Pass
NVNT	3-DH5	2402	Ant1	1.3	Pass
NVNT	3-DH5	2441	Ant1	1.288	Pass
NVNT	3-DH5	2480	Ant1	1.284	Pass

ACCREDITED Certificate #4298.01



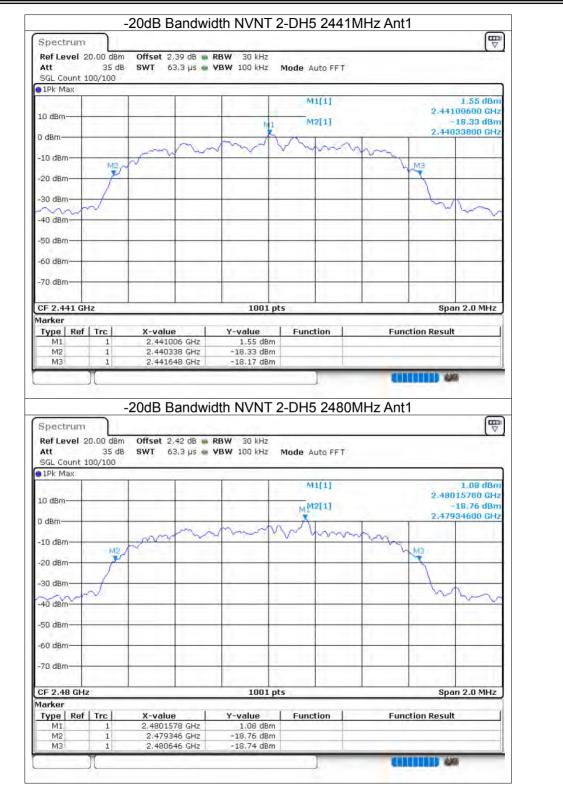








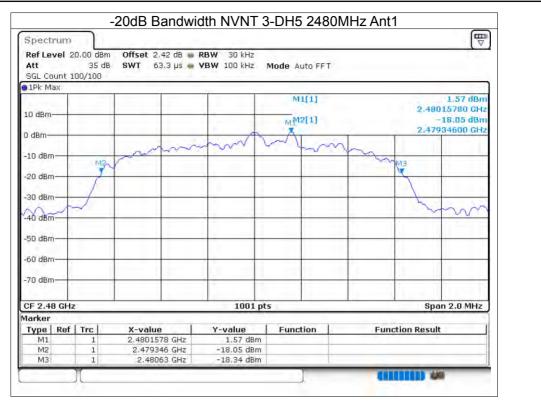








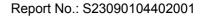




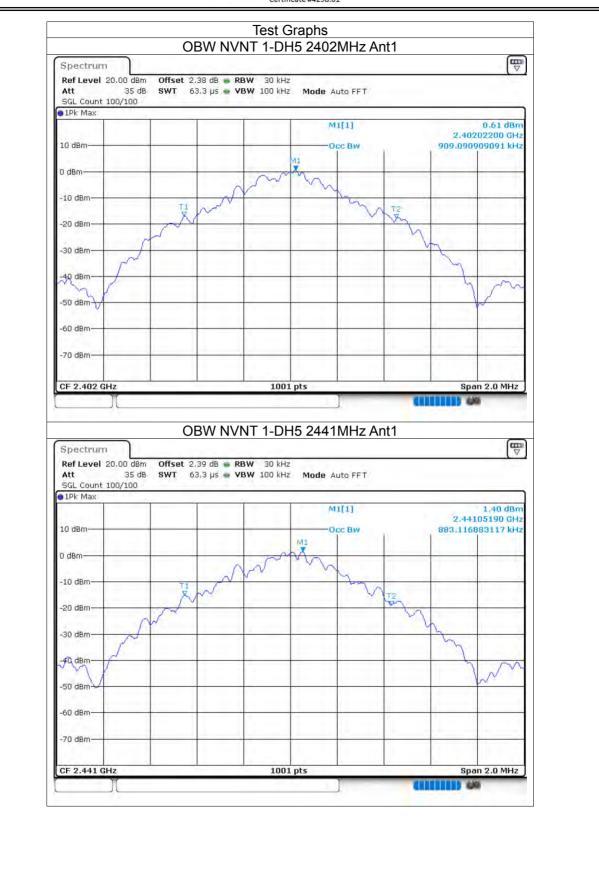


8.4 OCCUPIED CHANNEL BANDWIDTH

-		-			
	Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
	NVNT	1-DH5	2402	Ant1	0.909
	NVNT	1-DH5	2441	Ant1	0.883
	NVNT	1-DH5	2480	Ant1	0.893
	NVNT	2-DH5	2402	Ant1	1.205
	NVNT	2-DH5	2441	Ant1	1.195
	NVNT	2-DH5	2480	Ant1	1.195
	NVNT	3-DH5	2402	Ant1	1.203
	NVNT	3-DH5	2441	Ant1	1.201
	NVNT	3-DH5	2480	Ant1	1.209











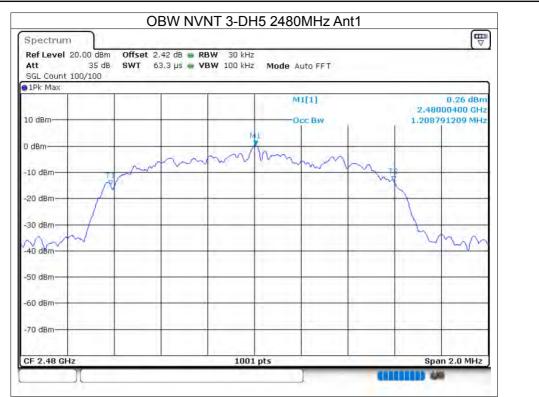












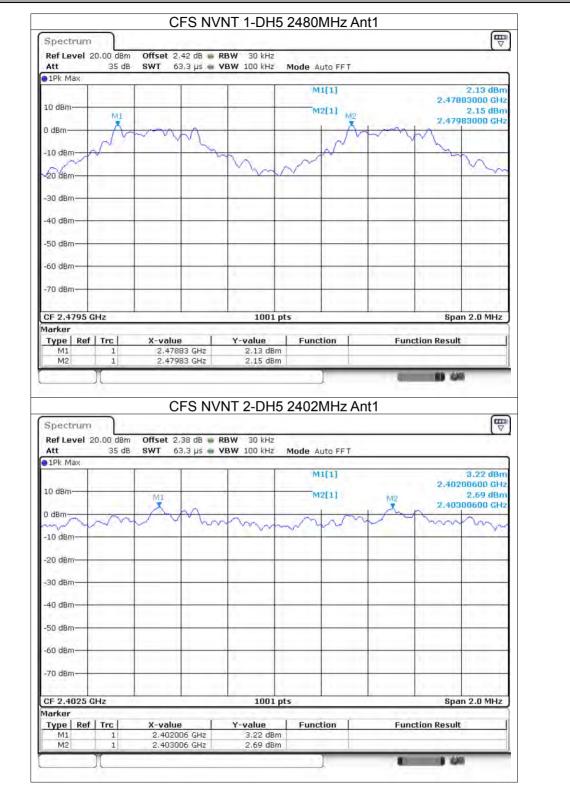


8.5 CARRIER FREQUENCIES SEPARATION

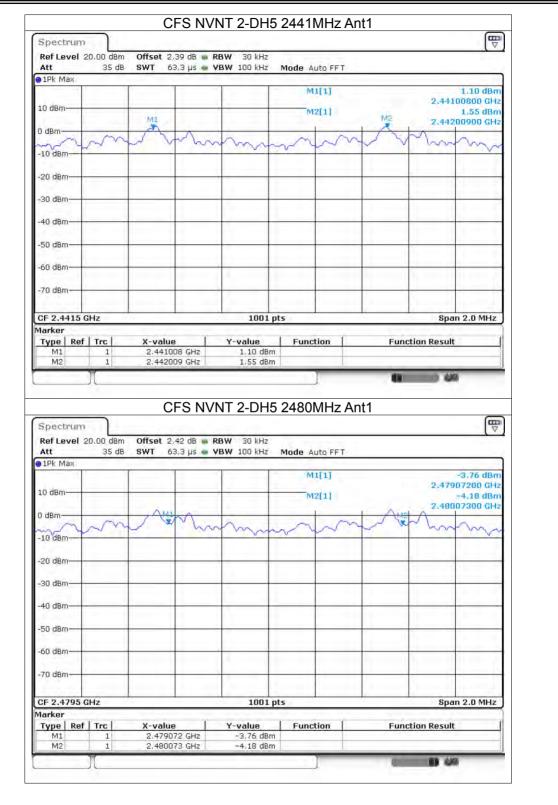
 • · · · · · -							
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.022	2403.024	1.002	0.629	Pass
NVNT	1-DH5	Ant1	2440.828	2441.83	1.002	0.635	Pass
NVNT	1-DH5	Ant1	2478.83	2479.83	1	0.679	Pass
NVNT	2-DH5	Ant1	2402.006	2403.006	1	0.887	Pass
NVNT	2-DH5	Ant1	2441.008	2442.009	1.001	0.873	Pass
NVNT	2-DH5	Ant1	2479.072	2480.073	1.001	0.867	Pass
NVNT	3-DH5	Ant1	2402.158	2403.158	1	0.867	Pass
NVNT	3-DH5	Ant1	2440.972	2442.006	1.034	0.859	Pass
NVNT	3-DH5	Ant1	2479	2480.022	1.022	0.856	Pass



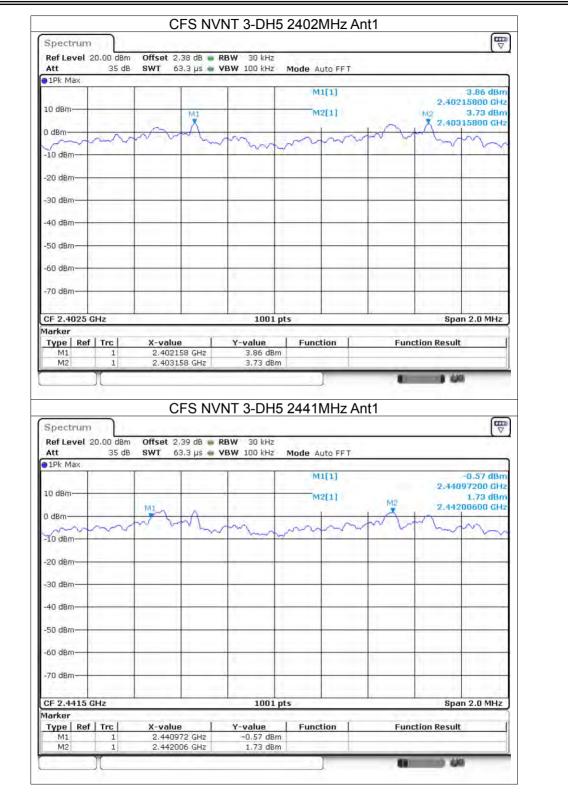




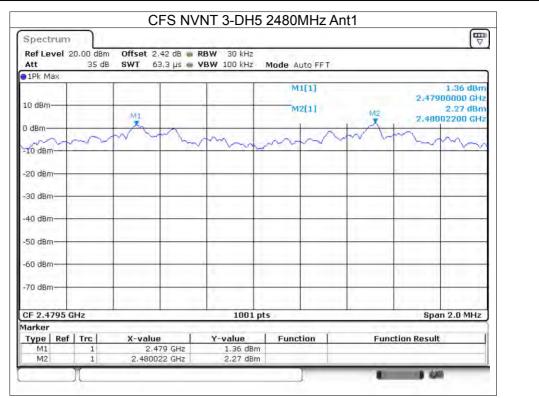








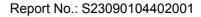




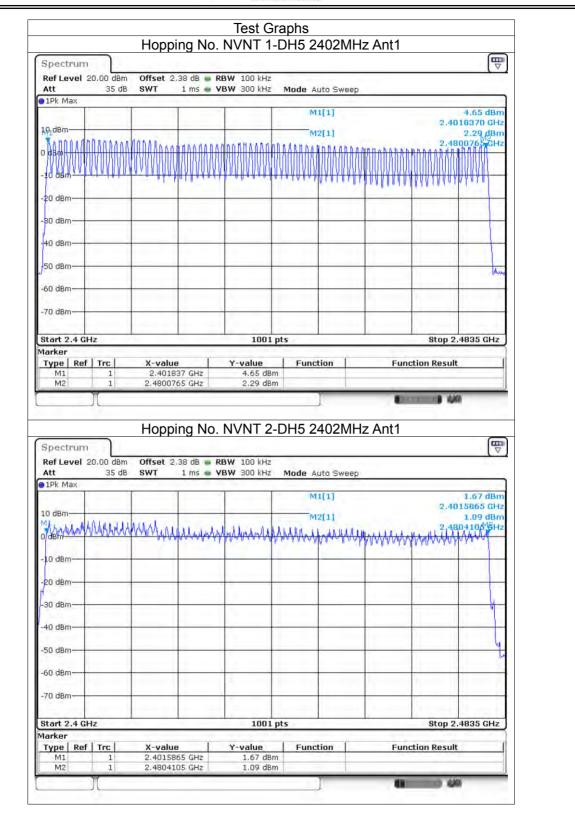


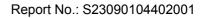
8.6 NUMBER OF HOPPING CHANNEL

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









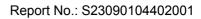


				-		pectrum
		Mode Auto Swee	10 TO 1 TO 1 10 TO 1	Offset 2.38 dB 🐞	1.00 dBm 35 dB	ef Level 20 .tt
	ер	HOUE AUTO SWEE	1011 300 KHZ	5W1 1 115	55 65	Pk Max
3.19 dBm		M1[1]				
2.4016700 GHz) dBm
0.38 dBm		M2[1]	Stores In	11.	i en la	
2.4804940/GHz	adhilalddard.	hunddelans	And address Marken Ares	14 marganas	MAAN	MAYAYYA
WARA CORRADA A AN	A admargh I hadd	and a radia to ha	A & P & 10 . 0 1 0 . 0 .	. who have a fee.		adin
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· · · · · · · · · · · · · · · · · · ·			1.1			2.42
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Stop 2.4835 GHz		s	1001 pt		z	art 2.4 GH
						arker
nction Result	Fund	Function	Y-value 3.19 dBm	X-value		ype Ref
			0.38 dBm	2.40167 GHz 2.480494 GHz	1	M1 M2



8.7 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-53.48	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-55.18	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-55.6	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-55.6	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-55.98	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.94	-20	Pass





Spectrun		<u> </u>			2MHz A			<u> </u>	E
	20.00 dBm	Offset 2.3	38 dB 💼 RE	3W 100 kHz	28 TR				L.
Att	35 dB				Mode Aut	o FFT			
SGL Count	100/100	_				- 16 A			
a) to produce					M1[1]		-	2,46 dBm
10 dBm								2,402	215980 GHz
IO UBIII-					MI				
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20 0011				1	$\langle \rangle$				
-30 dBm	-		_	/		_			-
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-70 dBm		-						1	
				· · · · · · · · · · · · · · · · · · ·	· · · · · ·				
В	and Ed	ge NVN	T 1-DH	1001 5 2402N	1Hz Ant1	No-H	opping		
Spectrur Ref Level	and Ed	Offset 2	.38 dB 📦 R	5 2402M	IHz Ant1		opping		8
B Spectrur Ref Level Att	20.00 dBm 35 dB	Offset 2	.38 dB 📦 R	5 2402N	IHz Ant1		opping		on
B Spectrun Ref Level Att SGL Count	20.00 dBm 35 dB	Offset 2	.38 dB 📦 R	5 2402M	1Hz Ant1	to FFT	opping		on
B Spectrun Ref Level Att SGL Count SGL Count	20.00 dBm 35 dB	Offset 2	.38 dB 📦 R	5 2402M	IHz Ant1	to FFT	opping	Emissic	2.73 dBm
B Spectrun Ref Level Att SGL Count SGL Count	20.00 dBm 35 dB	Offset 2	.38 dB 📦 R	5 2402M	1Hz Ant1	to FFT.	opping	Emissic	2.73 dBm 215000 GHz 56.68 @Bm
B Spectrun Ref Level Att SGL Count SGL Count 1Pk Max	20.00 dBm 35 dB	Offset 2	.38 dB 📦 R	5 2402M	1Hz Ant1 Mode Au	to FFT.	opping	Emissic	2.73 dBm 215000 GH2
B Spectrur Ref Level Att SGL Count SGL Count IPk Max 10 dBm	20.00 dBm 35 dB	Offset 2	.38 dB 📦 R	5 2402M	1Hz Ant1 Mode Au	to FFT.	opping	Emissic	2.73 dBm 215000 GHz 56.68 @Bm
B Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2 SWT 22	.38 dB 📦 R	5 2402M	1Hz Ant1 Mode Au	to FFT.	opping	Emissic	2.73 dBm 215000 GHz 56.68 @Bm
B Spectrum Ref Level Att SGL Count 10 dBm- 10 dBm- 10 dBm- 10 dBm- 20 dBm-	Dand Ed	Offset 2 SWT 22	.38 dB 📦 R	5 2402M	1Hz Ant1 Mode Au	to FFT.	opping	Emissic	2.73 dBm 215000 GHz 56.68 @Bm
B Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm- -10 dBm- -10 dBm- -20 dBm- -30 dBm-	Dand Ed	Offset 2 SWT 22	.38 dB 📦 R	5 2402M	1Hz Ant1 Mode Au	to FFT.	opping	Emissic	2.73 dBm 215000 GHz 56.68 @Bm
B Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm- -10 dBm- -10 dBm- -20 dBm- -30 dBm-	Dand Ed	Offset 2 SWT 22	.38 dB е R 7.5 µs у	5 2402M	1Hz Ant1 Mode Au	to FFT.	opping	Emissic	2.73 dBm 215000 GHz 56.68 @Bm
B Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- 10 dBm- 20 dBm- 30 dBm- 40 dBm-	Cand Ed	Offset 2 SWT 22	.38 dB ● R 7.5 μs ● V Μ4	5 2402M	1Hz Ant1 Mode Au M1[to FFT 1] 1]		2.402 2.400	2.73 dBm 215000 GH2 56.68 dBm 000000 GH2
B Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm- 0 dBm- 20 dBm- 20 dBm- 30 dBm- 40 dBm- 50 dBm-	Cand Ed	Offset 2 SWT 22	.38 dB ● R 7.5 μs ● V Μ4	5 2402M	1Hz Ant1 Mode Au M1[to FFT 1] 1]	opping	2.402 2.400	2.73 dBm 215000 GH2 56.68 dBm 000000 GH2
B Spectrum Ref Level Att SGL Count 10 dBm	Cand Ed	Offset 2 SWT 22	.38 dB ● R 7.5 μs ● V Μ4	5 2402M	1Hz Ant1 Mode Au M1[to FFT 1] 1]		2.402 2.400	2.73 dBm 215000 GH2 56.68 dBm 000000 GH2
B Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- 10 dBm- 20 dBm- 30 dBm- 30 dBm- 40 dBm- 50 dBm- 50 dBm- 50 dBm-	Cand Ed	Offset 2 SWT 22	.38 dB ● R 7.5 μs ● V Μ4	5 2402M	1Hz Ant1 Mode Au M1[to FFT 1] 1]		2.402 2.400	2.73 dBm 215000 GH2 56.68 dBm 000000 GH2
B Spectrum Ref Level Att SGL Count 10 dBm	20.00 dBm 35 dB 100/100	Offset 2 SWT 22	.38 dB ● R 7.5 μs ● V Μ4	5 2402M	1Hz Ant1 Mode Au M1[M2]	to FFT 1] 1]		2.402 2.400	2.73 dBm 215000 GH2 56.68 dBm 000000 GH2
B Spectrur Ref Level Att SGL Count 11Pk Max 10 dBm	Eand Ed 20.00 dBm 35 dB 100/100 20.01 -17.537 -01 -17.537 -01 -17.537 -01 -17.537 -01 -17.537	Offset 2 SWT 22	.38 dB = R 7.5 µs • V М4 исля МацМал	5 2402M	1Hz Ant1 Mode Au M1[M2[to FFT. 1] 1]	Ster Variage and State	Emissic 2.402 2.400	2.73 dBm 215000 GH2 -56.65% Bm 000000 GH2
B Spectrum Ref Level Att SGL Count 10 dBm	Eand Ed 20.00 dBm 35 dB 100/100 20.01 -17.537 -01 -17.537 -01 -17.537 -01 -17.537 -01 -17.537	Offset 2 SWT 22	.38 dB е R 7.5 µs е У М4 4	5 2402M	1Hz Ant1 Mode Au M1[M2]	to FFT. 1] 1]	Ster Variage and State	2.402 2.400	2.73 dBm 215000 GH2 -56.65% Bm 000000 GH2
B Spectrum Ref Level Att SGL Count 10 dBm 0 dBm 0 dBm 	Sand Ed n	Offset 2 SWT 22 dBm 	.38 dB = R 7.5 µs = V М4 ис. л. Мицини 5 GHz 4 GHz	5 2402M	1Hz Ant1 Mode Au M1[M2[to FFT. 1] 1]	Ster Variage and State	Emissic 2.402 2.400	2.73 dBm 215000 GH2 -56.65% Bm 000000 GH2
B Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm 10 dBm 20 dBm 20 dBm 30 dBm 30 dBm 40 dBm 40 dBm 50	Band Ed 100/100 100/100 100/100 101 -17.537 101 -17.	Offset 2 SWT 22 dBm dBm x-value 2.4021 2.3		5 2402M	1Hz Ant1 Mode Au M1[M2[m2] m2] m2] m2] m2] m2] m2] m2] m2] m2]	to FFT. 1] 1]	Ster Variage and State	Emissic 2.402 2.400	2.73 dBm 215000 GH2 -56.65% Bm 000000 GH2



Att 35 c	m Offset 2.42 dB IB SWT 18.9 µs		Mode Auto FF1	r/		("
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Spectrum Ref Level 20.00 dB	dge NVNT 1-E	RBW 100 kHz	1Hz Ant1 No			on
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Band E Spectrum Ref Level 20.00 dB Att 35 d	m Offset 2.42 dB	H5 2480N	1Hz Ant1 No		Emissio	2.51 dBn
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Band E Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 1Pk Max	m Offset 2.42 dB	H5 2480N	Milij		Emissio	2.51 dBn 985000 GH:
Band E Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max 10 dBm -10 dBm	m Offset 2.42 dB B SWT 227.5 μs	H5 2480N	Milij		Emissio	2.51 dBn 985000 GH -54.58 dBn
Band E Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 1Pk Max 10 dBm 0 dbm	m Offset 2.42 dB B SWT 227.5 μs	H5 2480N	Milij		Emissio	2.51 dBn 985000 GH -54.58 dBn
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Band E Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm	m Offset 2.42 dB B SWT 227.5 μs 83 dBm	DH5 2480M	1Hz Ant1 No	T.	2.47 2.48	2.51 dBn 985000 GH: -54.58 dBn 355000 GH:
Band E Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	m Offset 2.42 dB B SWT 227.5 μs 83 dBm	DH5 2480M	Milij	T.	2.47 2.48	2.51 dBn 985000 GH: -54.58 dBn 355000 GH:
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Band E Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.476 GHz	m Offset 2.42 dB B SWT 227.5 μs 83 dBm	DH5 2480M	1Hz Ant1 No	T.	2.474 2.483	2.51 dBn 985000 GH: -54.58 dBn 355000 GH:
Band E Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 ID dBm ID dBm -10 dBm -20 cBm -20 cBm -30 dBm -50 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm Start 2.476 GHz Marker Type Ref Trc	m Offset 2.42 dB B SWT 227.5 µs B3 dBm B3 dBm M2 M0 M2 M0 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	DH5 2480N RBW 100 kHz VBW 300 kHz VBW 300 kHz VBW 300 kHz 100 kHz VBW 300 kHz	Mode Auto FF	T.	2.474 2.483	2.51 dBn 985000 GH: -54.58 dBn 350000 GH: -14/5 dBn 2.576 GHz
Band E Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 ID dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 2.476 GHz Marker	m Offset 2.42 dB B SWT 227.5 µs 3 83 dBm 4 83 dBm 4 83 dBm	DH5 2480M	MILLI Mode Auto FF MILLI	T.	Emissio	2.51 dBn 985000 GH: -54.58 dBn 350000 GH: -14/5 dBn 2.576 GHz
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Ref Level Att SGL Count				BW 300 kHz		uto FFT	_		
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Spectrur Ref Level Att SGL Count • 1Pk Max	20.00 dBm 35 dB	Offset 2	2.38 dB 🖷 🖡	15 2402N	/Hz Ant ² Mode / M	Auto FFT.		Emissio	•N ₩ 4.51 dBm 05000, GHz
B Spectrum Ref Level Att SGL Count IPk Max	Sand Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB 🖷 🖡	15 2402N	/Hz Ant ² Mode / M	Auto FFT.		Emissio	4.51 dBm 05000 CH2 38.88 Bm
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B Spectrum Ref Level Att SGL Count SGL Count ID dBm 0 dBm -10 dBm -20 dBm	Sand Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB 🖷 🖡	15 2402N	/Hz Ant ² Mode / M	Auto FFT.		Emissio	4.51 dBm 05000 CH2 38.88 Bm
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B Spectrum Ref Level Att SGL Count SGL Count ID dBm 0 dBm -10 dBm -20 dBm	Sand Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB 🖷 F	15 2402N	/Hz Ant ² Mode / M	Auto FFT.		Emissio	4.51 dBm 05000 CH2 38.88 dBm 00000 CH2
B Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -30 dBm-	Cand Ed n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB е F 27.5 µs е V	15 2402N	/Hz Ant	Auto FFT.		2.400	+.51 dBm 05000 CH2 38.88 Bm 06000 CH2 MP
B Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Cand Ed n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB е F 27.5 µs е V	15 2402N	/Hz Ant	Auto FFT.		2.400	+.51 dBm 05000 CH2 38.88 Bm 06000 CH2 MP
B Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	Cand Ed n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB е F 27.5 µs е V	15 2402N	/Hz Ant	Auto FFT.		2.400	+.51 dBm 05000 CH2 38.88 Bm 06000 CH2 MP
B Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm	Cand Ed n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB е F 27.5 µs е V	15 2402N	/Hz Ant	Auto FFT.		2.400	+.51 dBm 05000 CH2 38.88 Bm 06000 CH2 MP
B Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dB	D1 -14.714	Offset 2 SWT 22	2.38 dB е F 27.5 µs е V	15 2402N	/Hz Ani	Auto FFT.		2.400	+.51 dBm 05000 CH2 38.88 Bm 06000 CH2 MP
B Spectrum Ref Level Att SGL Count SGL Count IPK Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Cand Ed n 20.00 dBm 35 dB 100/100 01 -14.714 44.14.714 6 GHz	Offset 2 SWT 22	2.38 dB F 27.5 μs N	100 kH2 KBW 100 kH2 VBW 300 kH2 300 kH2 M4 M4 M4 M4 1001	AHz Ani	Auto FFT. 1[1] 2[1]	mentydrator	Emissio 2.402 2.400	4.51 dBm 05000 GHz 38.88 dBm 06000 GHz M₽ M₽ M₽ 2.406 GHz
B Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.30 Marker Type Re M1	Band Ed n 20.00 dBm 35 dB 100/100 	Offset 2 SWT 22 dBm dBm wtwt-typew-dip xtwt-typew-dip 2.402l	2.38 dB 27.5 μs 1 27.5 μs 27.5 μs	15 2402M	AHz An1	Auto FFT. 1[1] 2[1]	mentydrator	2.400	4.51 dBm 05000 GHz 38.88 dBm 06000 GHz M₽ M₽ M₽ 2.406 GHz
B Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dB	Band Ed n 20.00 dBm 35 dB 100/100 -01 -14.714 -01 -	Offset 2 SWT 22 dBm dBm www.hip www.hip 2.402 2.402 2	2.38 dB • F 27.5 μs • V	5 2402M	AHz Ani	Auto FFT. 1[1] 2[1]	mentydrator	Emissio 2.402 2.400	4.51 dBm 05000 GHz 38.88 dBm 06000 GHz M₽ M₽ M₽ 2.406 GHz
B Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.30 Marker Type Re M1	Band Ed n 20.00 dBm 35 dB 100/100 	Offset 2 SWT 22 dBm dBm xwwHapwwHp x-value 2.402 2.	2.38 dB 27.5 μs 1 27.5 μs 27.5 μs	15 2402M	AHz Ani	Auto FFT. 1[1] 2[1]	mentydrator	Emissio 2.402 2.400	4.51 dBm 05000 GHz 38.88 dBm 06000 GHz M₽ M₽ M₽ 2.406 GHz



Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100	Offset 2.42 dB 🐚 SWT 18.9 µs 🖷		Mode A	uto FFT			[Ţ Ţ
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Spectrum Ref Level 20.00 dBm		H5 2480M	IHz Ant				'n
Band Ed Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100	Offset 2.42 dB 🖷	H5 2480M	IHz Ant	Auto FFT			n (T
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Band Ed Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2.42 dB 🖷	H5 2480M	IHz Ant Mode .	Auto FFT		Emissio	3.85 dBn 05000 GH3 54.11 dBπ
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Band Ed Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm	Offset 2.42 dB SWT 227.5 µs	H5 2480M	IHz Ant Mode .	Auto FFT		Emissio	3.85 dBn 05000 GH3 54.11 dBπ
Band Ed Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2.42 dB SWT 227.5 µs	H5 2480M	IHz Ant Mode .	Auto FFT		Emissio	3.85 dBn 05000 GH3 54.11 dBπ
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Band Ed Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10µdBm 0 dBm -10 cBm -20 qBm	Offset 2.42 dB SWT 227.5 µs	H5 2480M	IHz Ant Mode .	Auto FFT		Emissio	3.85 dBn 05000 GH3 54.11 dBπ
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Band Edu Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10/dBm 0 dBm -10 cBm -20 qBm -30 dBm -40 dBm -50 dBm -40 dBm	Offset 2.42 dB	H5 2480M	Mode / Mode / M	Auto FFT.		2.480	0 3.85 dBn 05000 GH: 54.11 dBn 50000 GH:
Band Ed. Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm	Offset 2.42 dB	H5 2480M	IHz Ant Mode / M M	Auto FFT.		2.480 2.483	0 3.85 dBn 05000 GH: 54.11 dBn 50000 GH:
Band Ed. Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Offset 2.42 dB	H5 2480M	IHz Ant Mode / M M	Auto FFT. 1[1] 2[1]	Carlor and Company	2.480 2.483	2.576 GHz
Band Ed Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10/dBm -0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.476 GHz Marker Type Ref Trc M1 1	Offset 2.42 dB SWT 227.5 µs	H5 2480M	IHz Ant Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT. 1[1] 2[1]	Carlor and Company	Emissio	2.576 GHz
Band Ed. Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	Offset 2.42 dB SWT 227.5 µs	H5 2480M	IHz Ani	Auto FFT. 1[1] 2[1]	Carlor and Company	Emissio	2.576 GHz



Att	20.00 dBm 35 dB		8.9 µs 🕳 🗸	BW 300 kHz	Mode Au	to FFT			
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Spectrun Ref Level Att SGL Count 1Pk Max	and Ed	Offset 2	2.38 dB 📦 I	15 2402N	Mode A	uto FFT.	opping I	Emissic	5.81 dBn
Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm	and Ed	Offset 2	2.38 dB 📦 I	15 2402N	Mode A	uto FFT.	opping I	Emissic	5.81 dBn 205009/gH: -37.89 ₩Bn
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm- -10 dBm-	and Ed	Offset 2 SWT 22	2.38 dB 📦 I	15 2402N	Mode A	uto FFT.	opping I	Emissic	5.81 dBn 205009/gH: -37.89 ₩Bn
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm- -10 dBm- -20 dBm-	and Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB 📦 I	15 2402N	Mode A	uto FFT.		Emissic	5.81 dBn 205000,GH -37.89 ¶Bn 000000 GH
Spectrum Ref Level Att SGL Count 10 dBm- -10 dBm- -20 dBm- -30 dBm-	and Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB 📦 I	15 2402N	Mode A	uto FFT.	opping I	Emissic	5.81 dBn 205009/6H: -37.89 ₩Bn
Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	and Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB • 1 27.5 µs • Y	5 2402M	Mode A	uto FFT.		Emissic	5.81 dBn 205000,GH -37.89 ¶Bn 000000 GH
Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB — 1 27.5 µs — 1	5 2402M	Mode A	uto FFT.	opping I	2.400 2.400	5.81 dBn 205000,GH -37.89 ¶Bn 206000 GH
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB • 1 27.5 µs • Y	5 2402M	Mode A	uto FFT.		2.400 2.400	5.81 dBn 205000,GH -37.89 ¶Bn 206000 GH
Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB • 1 27.5 µs • 1	5 2402M	Mode A	uto FFT.		2.400 2.400	5.81 dBn 205000,GH -37.89 ¶Bn 206000 GH
Spectrum Ref Level Att SGL Count 9 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm	and Ed 20.00 dBm 35 dB 100/100 01 -15.588	Offset 2 SWT 22	2.38 dB • 1 27.5 µs • 1	5 2402M	Mode A	uto FFT.		2.400 2.400	5.81 dBn 205000,GH -37.89 ¶Bn 206000 GH
Spectrum Ref Level Att SGL Count 9 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm	and Ed 20.00 dBm 35 dB 100/100 01 -15,588 100/100 01 -15,588 01 -15,	Offset 2 SWT 22	2.38 dB 27.5 μs M4 M4 M4	5 2402N	Mode A MI M2	uto FFT. [1] 2[1]	سسمرياليه	2.400 2.400	DN 5.81 dBm 20.5009,GH2 -37.89 9Bm 000000 GH2 M2 M2 2.406 GH2
Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	and Ed 20.00 dBm 35 dB 100/100 01 -15.588 01 -15.5888 01 -15.588 01 -15.588 01 -15.588 01 -15.5888 01 -1	Offset 2 SWT 22	2.38 dB 27.5 μs M4 M4 M4 M4 D5 GHz	100 kHz VBW 100 kHz VBW 300 kHz 100	Mode A	uto FFT. [1] 2[1]	سسمرياليه	Emissic 2.400 2.400 	DN 5.81 dBm 20.5009,GH2 -37.89 9Bm 000000 GH2 M2 M2 2.406 GH2
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 2.300 Marker Type M1	and Ed 20.00 dBm 35 dB 100/100 01 -15,588 100/100 01 -15,588 01 -15,	Offset 2 SWT 22 dBm dBm x-value 2.402(2 2.1	2.38 dB 27.5 μs M4 M4 M4	5 2402N	۲ Mode A ۲ Mi ۲ Mi ۲ Mi ۲ Mi ۲ Mi ۲ Mi	uto FFT. [1] 2[1]	سسمرياليه	Emissic 2.400 2.400 	DN 5.81 dBm 20.5009,GH2 -37.89 9Bm 000000 GH2 M2 M2 2.406 GH2



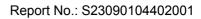
Ref Level 2 Att SGL Count 1	35 dB	Offset 2.42 SWT 18.9		RBW 100 kHz /BW 300 kHz	Mode Au	ito FFT			[₩ V
1Pk Max		í î		<u> </u>	MJ	[1]			3,96 dBn
10 dBm			- 2					2.480	015180 GH
					X				
0 dBm				mo	chy !				
-10 dBm	_		-			-			
-20 dBm	_							_	
6.5.						~			
-30 dBm			por			ww 1	1		1
-40 dBm	<u>^</u>	n al	-						
-50 dBm		ww				1	m	7	
ww	min							m	m
-60 dBm						1.000			
-70 dBm	-	1		-					
CF 2.48 GH:									
01 2.40 011	7				nte				
Spectrum	and Edg	ge NVNT Offset 2.4	12 dB 🖷	RBW 100 kHz	1Hz Ant		opping E		an 8.0 MHz Ø DN
Spectrum Ref Level 2 Att SGL Count 1	and Edg		12 dB 🖷	15 2480M	1Hz Ant		opping E		on
Spectrum Ref Level 2 Att	and Edg	Offset 2.4	12 dB 🖷	15 2480M	/IHz Ant 2 2 Mode A		opping E	Emissio	ON (₩ 3.15 dBm
Spectrum Ref Level 2 Att SGL Count 1	and Edg	Offset 2.4	12 dB 🖷	15 2480M	1Hz Ant Mode A	uto FFT.	opping E	Emissio 2.480	n Dn (₩
Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max	and Edg	Offset 2.4	12 dB 🖷	15 2480M	1Hz Ant Mode A	uto FFT.	opping E	Emissio 2.480	00 (₩ 3.15 dBrr 005000 GHz
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 cBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2.4 SWT 227	12 dB 🖷	15 2480M	1Hz Ant Mode A	uto FFT.	opping E	Emissio 2.480	3.15 dBm 005000 GH2 -55.27 dBm
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 cBm	and Edg	Offset 2.4 SWT 227	12 dB 🖷	15 2480M	1Hz Ant Mode A	uto FFT.	opping E	Emissio 2.480	3.15 dBm 005000 GH2 -55.27 dBm
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10,dBm 0 dBm -10 cBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2.4 SWT 227	12 dB 🖷	15 2480M	1Hz Ant Mode A	uto FFT.	opping E	Emissio 2.480	3.15 dBm 005000 GH2 -55.27 dBm
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 cBm -20 cBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2.4 SWT 227	12 dB 🖷	15 2480M	1Hz Ant Mode A	uto FFT.	opping E	Emissio 2.480	3.15 dBm 005000 GH2 -55.27 dBm
Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2.4 SWT 227.	2 dB	H5 2480N	1Hz Ant Mode A M1	uto FFT.		Emissic 2.480 2.480	00 3.15 dBm 005000 GH2 -55.27 dBm 55.27 dBm 2000 GH2
Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2.4 SWT 227.	12 dB 🖷	H5 2480N	1Hz Ant Mode A M1	uto FFT.	opping E	Emissic 2.480 2.480	00 3.15 dBm 005000 GH2 -55.27 dBm 55.27 dBm 2000 GH2
Spectrum Ref Level 2 Att SGL Count 1 91Pk Max 10.dBm -10.dBm -20.dBm -30.dBm -30.dBm -30.dBm -30.dBm -30.dBm -30.dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2.4 SWT 227.	2 dB	H5 2480N	1Hz Ant Mode A M1	uto FFT.		Emissic 2.480 2.480	00 3.15 dBm 005000 GH2 -55.27 dBm 55.27 dBm 2000 GH2
Spectrum Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 cBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	and Ed 20.00 dBm 35 dB 100/100	Offset 2.4 SWT 227.	2 dB	H5 2480N	IHz Ant	uto FFT.		2.480 2.480	00 3.15 dBm 005000 GH2 -55.27 dBm 55.27 dBm 2000 GH2
Spectrum Ref Level 2 Att SGL Count 1 9 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm Start 2.476 Marker	and Ed, 20.00 dBm 35 dB 100/100 01 -16,045 01 -16,045 01 -16,045	Offset 2.4 SWT 227.	2 dB	H5 2480M	IHz Ant	uto FFT. [1] 2[1] มมปะปีการระปะจ	ndetwaywoodada	2.480 2.480	200 3.15 dBm 005000 GH2 -55.27 dBm -55.27 dBm
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm	and Ed 20.00 dBm 35 dB 100/100 01 -16,045 01 -16,	Offset 2.4 SWT 227.	2 dB	15 2480M	1Hz Ant	uto FFT. [1] 2[1] มมปะปีการระปะจ	ndetwaywoodada	Emissic 2.48 2.48	200 3.15 dBm 005000 GH2 -55.27 dBm -55.27 dBm
Spectrum Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 cBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm	and Ed. 20.00 dBm 35 dB 100/100 01 -16,045 01 -16,045 01 -16,045	Offset 2.4 SWT 227.	2 dB	H5 2480M	1Hz Ant 2 Mode A M3 M2 M2 M2 M2 M2 M3 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto FFT. [1] 2[1] มมป่งให้กับเป	ndetwaywoodada	Emissic 2.48 2.48	200 3.15 dBm 005000 GH2 -55.27 dBm -55.27 dBm



8.8 BAND EDGE(HOPPING)

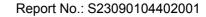
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.61	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.49	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-56.29	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.43	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-56.58	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-56.49	-20	Pass

ACCREDITED Certificate #4298.01



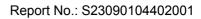


Spectrum									
Ref Level 2	20.00 dBm			RBW 100 kHz	165.771				(v)
Att SGL Count 1			8.9 µs 🖷 🕯	YBW 300 kHz	Mode A	uto FFT			
• 1Pk Max			с	-					
					M	1[1]		2.40	5,93 dBm 1582820 GHz
10 dBm						-	-	2.11	MI
0.0				m	7	m	m	m	y M
0 dBm			1				1		
-10 dBm					\sim	2		\checkmark	V
					10/2.0				1911
-20 dBm				1					
-30 dBm			1					1-2-2	
			1		11111			1	1
-40 dBm			1						
-50 dBm									
	nmm	mint	1						
-60 dBm							-		
									_
-70 dBm									
1.62						_		· · · ·	
CE 2 402 CL				1001	nte			Cn	an Q 0 MLIz
CF 2.402 GH Band Spectrum][Edge(l	Hopping	g) NVN	1001 IT 1-DH5) IHz Ant	1 Hoppi		ission
Band Spectrum Ref Level 2)[Edge(I	Offset 2	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M		1 Hoppi		ission
Band Spectrum Ref Level 2 Att SGL Count 1	Edge(I 20.00 dBm 35 dB	Offset 2	2.38 dB 🍙	IT 1-DH5	2402M		1 Hoppi		ission
Band Spectrum Ref Level 2 Att	Edge(I 20.00 dBm 35 dB	Offset 2	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M	Auto FFT	1 Hoppi		ission (
Band Spectrum Ref Level 2 Att SGL Count 1	Edge(I 20.00 dBm 35 dB	Offset 2	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M Mode /	Auto FFT	1 Hoppi	ng Em	ission (♥ 5.79 dBm 0385000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 9 IPk Max 10 dBm	Edge(I 20.00 dBm 35 dB	Offset 2	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M Mode /	Auto FFT	1 Hoppi	ng Em 2.40	ission
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 10 dBm 0 dBm	Edge(I 20.00 dBm 35 dB	Offset 2	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M Mode /	Auto FFT	1 Hoppi	ng Em 2.40	ission (♥ 5.79 dBm 0385000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 9 IPk Max 10 dBm 0 dBm -10 dBm	Edge(I 20.00 dBm 35 dB	Offset 2 SWT 22	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M Mode /	Auto FFT	1 Hoppi	ng Em 2.40	ission
Band Spectrum Ref Level 2 Att SGL Count 1 9 IPk Max 10 dBm 0 dBm -10 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M Mode /	Auto FFT	1 Hoppi	ng Em 2.40	ission
Band Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 10 dBm 0 dBm -10 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M Mode /	Auto FFT	1 Hoppi	ng Em 2.40	ission
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 O dBm 0 dBm -10 dBm -20 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz	2402M Mode /	Auto FFT	1 Hoppi	ng Em 2.40	ission
Band Spectrum Ref Level 2 Att SGL Count 1 ID dBm D dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB	NH4	2402M Mode /	Auto FFT	1 Hoppi	2.40	ission
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 ID dBm D dBm -1D dBm -20 dBm -20 dBm -30 dBm -40 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB 🍙	IT 1-DH5 RBW 100 kHz YBW 300 kHz	2402M	Auto FFT.	1 Hoppi	2.40 2.40	ission
Band Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB	IT 1-DH5 RBW 100 kHz YBW 300 kHz	2402M	Auto FFT.		2.40 2.40	5.79 dBm 5.79 dBm 0385000 GHz -54.22 dBm 000000 dHz
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB	IT 1-DH5 RBW 100 kHz YBW 300 kHz	2402M	Auto FFT.		2.40 2.40	5.79 dBm 5.79 dBm 0385000 GHz -54.22 dBm 000000 dHz
Band Spectrum Ref Level 2 Att SGL Count 1 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB	NT 1-DH5	2402M	Auto FFT.		2.40 2.40	5.79 dBm 0385000 GHz -54.22 dem 0000000 dHz
Band Spectrum Ref Level 2 Att SGL Count 1 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB	IT 1-DH5 RBW 100 kHz YBW 300 kHz	2402M	Auto FFT.		2.40 2.40	5.79 dBm 5.79 dBm 0385000 GHz -54.22 dBm 000000 dHz
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 -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22 dBm	2.38 dB	IT 1-DH5 RBW 100 kHz VBW 300 kHz M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	2402M Mode / M M	Auto FFT.	Androma, or work	2.40 2.40	5.79 dBm 0385000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22 dBm www.www.ww X-value 2.403	2.38 dB 27.5 µs	IT 1-DH5 RBW 100 kHz YBW 300 kHz 300 kHz M4 M4 M4 1001	2402M	Auto FFT.	Androma, or work	ng Em 2.40 2.40	5.79 dBm 0385000 GHz
Band Spectrum Ref Level 2 Att SGL Count 1 ID dBm 0 dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm -	Edge(I 20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22 dBm X-value 2.403 2 2.	2.38 dB 27.5 µs	IT 1-DH5 RBW 100 kHz VBW 300 kHz IOU M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	2402M	Auto FFT.	Androma, or work	ng Em 2.40 2.40	5.79 dBm 0385000 GHz



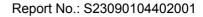






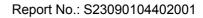


Att		SWT 1		BW 100 kHz BW 300 kHz	Mode A	uto FFT			
					M	1[1]		2 40	5,88 dBm 502900 GHz
10 dBm	·					-		2.40. MI	
				mont	mm -	m	Mm	N	mon
0 dBm				1		~~~~		and the second s	20,000
-10 dBm					_				
				1					
-20 dBm			man	1 1	_				-
-30 dBm			1 iv					1.000	
-30 UBIN-									
-40 dBm		mm			-				
m	non								1
-50 dBm-	Al ^e		-					-	
-60 dBm									
						1			
-70 dBm									
12									
				1001	and an				NO O MILLS
Spectrun)[d Edge(□			1001 T 2-DH5 RBW 100 kHz	2402N] 1Hz Ant	1 Hoppir		ssion
Band Spectrum Ref Level Att SGL Count	d Edge(Offset 2	2.38 dB 📦 I		2402N		1 Hoppir		ssion
Band Spectrum Ref Level Att	d Edge(0 20.00 dBm 35 dB	Offset 2	2.38 dB 📦 I	T 2-DH5	2402M	Auto FFT	1 Hoppir		ssion
Band Spectrum Ref Level Att SGL Count	d Edge(0 20.00 dBm 35 dB	Offset 2	2.38 dB 📦 I	T 2-DH5	2402M Mode	Auto FFT.	1 Hoppir	ng Emis 2.403	ssion (₩ 6.73 dBm 595000 GHg
Band Spectrum Ref Level Att SGL Count PIPk Max 10 dBm-	d Edge(0 20.00 dBm 35 dB	Offset 2	2.38 dB 📦 I	T 2-DH5	2402M Mode	Auto FFT	1 Hoppir	ng Emi: 2.403	6.73 dBm
Band Spectrun Ref Level Att SGL Count DPk Max 10 dBm- 0 dBm-	d Edge(0 20.00 dBm 35 dB	Offset 2	2.38 dB 📦 I	T 2-DH5 RBW 100 kHz	2402M Mode	Auto FFT.	1 Hoppir	ng Emi: 2.403	ssion (₩ 6.73 dBm 595000 GHg
Band Spectrum Ref Level Att SGL Count PIPk Max 10 dBm-	d Edge(0 20.00 dBm 35 dB	Offset 2 SWT 2:	2.38 dB 📦 I	T 2-DH5 RBW 100 kHz	2402M Mode	Auto FFT.	1 Hoppir	ng Emi: 2.403	6.73 dBm
Band Spectrun Ref Level Att SGL Count DPk Max 10 dBm- 0 dBm-	d Edge(20.00 dBm 35 dB 1200/1200	Offset 2 SWT 2:	2.38 dB 📦 I	T 2-DH5 RBW 100 kHz	2402M Mode	Auto FFT.	1 Hoppir	ng Emi: 2.403	6.73 dBm
Band Spectrum Ref Level Att SGL Count ID dBm	d Edge(20.00 dBm 35 dB 1200/1200	Offset 2 SWT 2:	2.38 dB 📦 I	T 2-DH5 RBW 100 kHz	2402M Mode	Auto FFT.	1 Hoppir	ng Emi: 2.403	6.73 dBm 595000 CH# 40.00 dBm
Band Spectrum Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm	d Edge(20.00 dBm 35 dB 1200/1200	Offset 2 SWT 2:	2.38 dB • 1 27.5 µs • '	T 2-DH5 RBW 100 kHz	2402M Mode	Auto FFT.	1 Hoppir	ng Emi: 2.403	6.73 dBm
Band Spectrum Ref Level Att SGL Count ID dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	d Edge(20.00 dBm 35 dB 1200/1200	Offset 2 SWT 2:	2.38 dB • 1 27.5 µs • '	T 2-DH5 RBW 100 kHz YBW 300 kHz	2402M Mode . 	Auto FFT.		2.400 2.400	6.73 dBm 595000 CH# 40.00 dBm 000000//////
Band Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm	d Edge(20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB • 1 27.5 µs • '	T 2-DH5 RBW 100 kHz	2402M Mode . 	Auto FFT.		2.400 2.400	6.73 dBm 595000 CH# 40.00 dBm 000000//////
Band Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm	D1 -14,121	Offset 2 SWT 22	2.38 dB • 1 27.5 µs • '	T 2-DH5 RBW 100 kHz YBW 300 kHz	2402M Mode . 	Auto FFT.		2.400 2.400	6.73 dBm 595000 CH# 40.00 dBm 000000//////
Band Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm	D1 -14,121	Offset 2 SWT 22	2.38 dB • 1 27.5 µs • '	T 2-DH5 RBW 100 kHz YBW 300 kHz	2402M Mode . 	Auto FFT.		2.400 2.400	6.73 dBm 595000 CH# 40.00 dBm 000000//////
Band Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm	D1 -14,121	Offset 2 SWT 22	2.38 dB • 1 27.5 µs • '	T 2-DH5 RBW 100 kHz YBW 300 kHz	2402N Mode	Auto FFT.		2.400 2.400	6.73 dBm 595000 CH# 40.00 dBm 000000//////
Band Spectrum Ref Level Att SGL Count IPk Max D dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -70 dBm -70 dBm -70 dBm -70 dBm	D1 -14,121	dBm	2.38 dB) 1 27.5 µs) 1 м4 мм/м/мм/м	T 2-DH5	2402N Mode	Auto FFT.		ng Emis 2.400 2.400	6.73 dBm 6.73 dBm 6.70 dBm 60000 dHg 40.00 dBm 000000 //////
Band Spectrum Ref Level Att SGL Count I O dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm -70 dBm	D1 -14,121	Offset 2 SWT 23	2.38 dB) 1 27.5 µs) 1 м4 мм/м/мм/м	T 2-DH5	2402N Mode M M M M M M M M M M M M M M M M M M	Auto FFT.		2.400 2.400	6.73 dBm 6.73 dBm 6.70 dBm 60000 dHg 40.00 dBm 000000 //////
Band Spectrum Ref Level Att SGL Count PIPK Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -70 dBm	d Edge(20.00 dBm 35 dB 1200/1200 D1 -14,121 	Coffset 2 SWT 22 dBm dBm x-value 2.405 2	2.38 dB 27.5 μs 27	T 2-DH5 RBW 100 kHz yBW 300 kHz 100 kHz yBW 300 kHz 100 kHz yBW 300 kHz 100 k	2402IV Mode M M M M M M M M M M M M M	Auto FFT.		ng Emis 2.400 2.400	6.73 dBm 6.73 dBm 6.70 dBm 60000 dHg 40.00 dBm 000000 //////
Band Spectrum Ref Level Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -50 dBm -70	d Edge(20.00 dBm 35 dB 1200/1200 1200/1200 01 -14,121 01 -1	Offset 2 SWT 22 dBm dBm x-value 2.405 2 2.	2.38 dB 27.5 μs ////////////////////////////////////	T 2-DH5 RBW 100 kHz yBW 300 kHz 100 kHz 100 kHz 100 kHz 100 kHz 100 kHz kHz kHz kHz kHz kHz kHz kHz	24021V Mode M M M M M M M M M M M M M M M M M M	Auto FFT.		ng Emis 2.400 2.400	6.73 dBm 6.73 dBm 6.70 dBm 60000 dHg 40.00 dBm 000000 //////



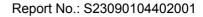








Spectrum Ref Level 2 Att SGL Count 8	20.00 dBm 35 dB			BW 100 kHz BW 300 kHz	Mode A	uto FFT			₹
1Pk Max				<u> </u>	M	1[1]			6.77 dBm
10 dBm						-	- I	2.40	515680 GHz
TO UBIN				D/	<u></u>	. ~	~	~	NN
0 dBm	_		-	m v v v	ma	2 mg	m h	ma	mr
10.10-									
-10 dBm	-		-						
-20 dBm		-	-			1	-		
6.200		·	mun						1
-30 dBm									
-40 dBm	m	mond						_	
mA	m								
-50 dBm									
-60 dBm-			_	_					
1.0									
-70 dBm				-			-		
						_			
CF 2.402 G	HZ			1001 p	ts			sp	an 8.0 MHz
Spectrum			200	T 3-DH5 2	2402M) IHz Ant'	1 Hoppii	ng Emi	ssion
Spectrum Ref Level 2 Att SGL Count 3	20.00 dBm 35 dB	Offset 2	.38 dB 📦 I	T 3-DH5 2			1 Hoppii	ng Emi	
Spectrum Ref Level 2 Att	20.00 dBm 35 dB	Offset 2	.38 dB 📦 I	RBW 100 kHz	Mode 4	Auto FFT.	1 Hoppin	ng Emi	V
Spectrum Ref Level 2 Att SGL Count 3	20.00 dBm 35 dB	Offset 2	.38 dB 📦 I	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.40	4.22 dBm 585000 GHz
Spectrum Ref Level 2 Att SGL Count : 1Pk Max	20.00 dBm 35 dB	Offset 2	.38 dB 📦 I	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppii	2.40	4.22 dBm 585000 GHz -36.91 dBm
Spectrum Ref Level 2 Att SGL Count 3 1Pk Max 10 dBm 0 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.40	4.22 dBm 585000 GHz
Spectrum Ref Level 2 Att SGL Count 3 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 35 dB	Offset 2 SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.40	4.22 dBm 585000 GHz -36.91 dBm
Spectrum Ref Level 2 Att SGL Count : 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.40	4.22 dBm 585000 GHz -36.91 dBm
Spectrum Ref Level 2 Att SGL Count 2 PPK Max 10 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.40	4.22 dBm 585000 GHz -36.91 dBm
Spectrum Ref Level 2 Att SGL Count 2 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	.38 dB 📦 I	RBW 100 kHz VBW 300 kHz	Mode /	Auto FFT.	1 Hoppin	2.40	4.22 dBm 585000 GH2 -36.91 dBm 000000g∰
Spectrum Ref Level 2 Att SGL Count 2 PPK Max 10 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	.38 dB 📦 I	RBW 100 kHz YBW 300 kHz	Mode / Mi	Auto FFT.		2.40 2.40	4.22 dBm 585000 GH2 -36.91 dBm 000000g∰
Spectrum Ref Level 2 Att SGL Count 2 PR Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB 7.5 μs 	RBW 100 kHz VBW 300 kHz	Mode / Mi	Auto FFT.	1 Hoppin	2.40 2.40	4.22 dBm 585000 GH2 -36.91 dBm 000000g∰
Spectrum Ref Level 3 Att SGL Count 3 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB 7.5 μs 	RBW 100 kHz YBW 300 kHz	Mode / Mi	Auto FFT.		2.40 2.40	4.22 dBm 585000 GH2 -36.91 dBm 000000g∰
Spectrum Ref Level 3 Att SGL Count 3 PIPK Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB 7.5 μs 	RBW 100 kHz VBW 300 kHz	Mode /	Auto FFT.		2.40 2.40 M3 MM7 Kummer	4.22 dBm 585000 GHz -36.91 dBm 000000mm M2 M2
Spectrum Ref Level 3 Att SGL Count 3 PR Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm	20.00 dBm 35 dB 1200/1200	Offset 2 SWT 22	2.38 dB 7.5 μs 	RBW 100 kHz YBW 300 kHz	Mode /	Auto FFT.		2.40 2.40 M3 MM7 Kummer	4.22 dBm 585000 GH2 -36.91 dBm 000000g∰
Spectrum Ref Level 2 Att SGL Count 1 SGL Count 2 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.306 Marker Type	20.00 dBm 35 dB 1200/1200 01 -13.226 01 -13.226 GHz	Offset 2 SWT 22	2.38 dB 7.5 μs '	RBW 100 kHz VBW 300 kHz M4 M4 1001 p Y-value	Mode /	۵uto FFT ۱[1] 2[1]	strange of generation of	2.40 2.40 M3 MM7 Kummer	4.22 dBm 585000 GHz -36.91 dBm 000000000000000000000000000000000000
Spectrum Ref Level 3 Att SGL Count 3 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.306	20.00 dBm 35 dB 1200/1200 01 -13.226	Offset 2 SWT 22 dBm dBm	2.38 dB = 1 27.5 μs = 1	RBW 100 kHz YBW 300 kHz	Mode / M M M	۵uto FFT ۱[1] 2[1]	strange of generation of	2.40 2.40 Mrg Mrg Kommer Stop	4.22 dBm 585000 GHz -36.91 dBm 000000000000000000000000000000000000
Spectrum Ref Level 3 Att SGL Count 3 IPk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 2.306 Marker Type M1 M2 M3	20.00 dBm 35 dB 1200/1200 01 -13.226 01 -13.226 GHz GHz 1 1 1	Offset 2 SWT 22 dBm dBm 	2.38 dB 7.5 μs 7.5 μs 7	RBW 100 kHz VBW 300 kHz N4 M4 N4 N4 N4 N4 N4 N4 N4 N4 N4 N	Mode / M M M	۵uto FFT ۱[1] 2[1]	strange of generation of	2.40 2.40 Mrg Mrg Kommer Stop	4.22 dBm 585000 GHz -36.91 dBm 000000000000000000000000000000000000
Spectrum Ref Level 3 Att SGL Count 3 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2.306 Marker Type Ref M1	20.00 dBm 35 dB 1200/1200 01 -13.226 01 -13.226 GHz GHz 1 1	Offset 2 SWT 22 dBm dBm 	2.38 dB 7.5 μs 7.5 μs 7	RBW 100 kHz VBW 300 kHz	Mode / M M M	۵uto FFT ۱[1] 2[1]	strange of generation of	2.40 2.40 Motomaco Stop	4.22 dBm 585000 GHz -36.91 dBm 000000000000000000000000000000000000



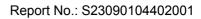






8.9 CONDUCTED RF SPURIOUS EMISSION

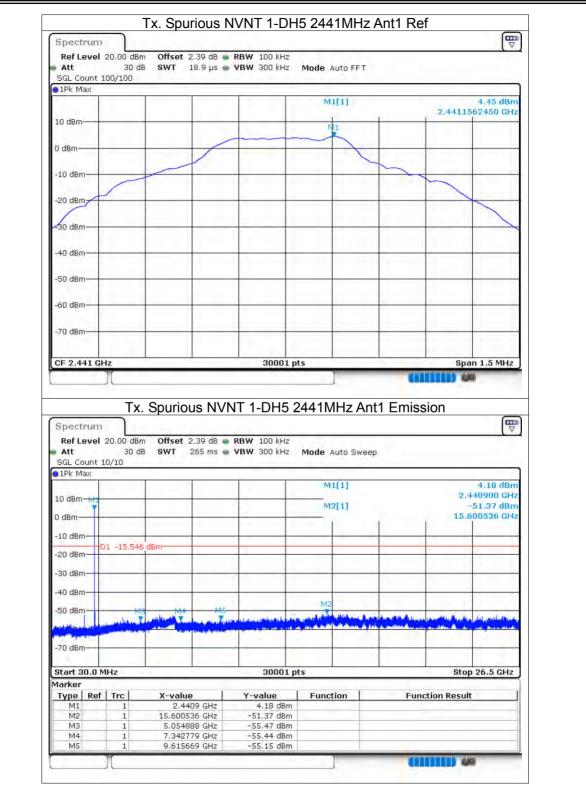
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-51.67	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.81	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.74	-20	Pass
NVNT	2-DH5	2402	Ant1	-56.61	-20	Pass
NVNT	2-DH5	2441	Ant1	-54.06	-20	Pass
NVNT	2-DH5	2480	Ant1	-54.85	-20	Pass
NVNT	3-DH5	2402	Ant1	-54.05	-20	Pass
NVNT	3-DH5	2441	Ant1	-56.02	-20	Pass
NVNT	3-DH5	2480	Ant1	-53.34	-20	Pass

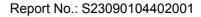




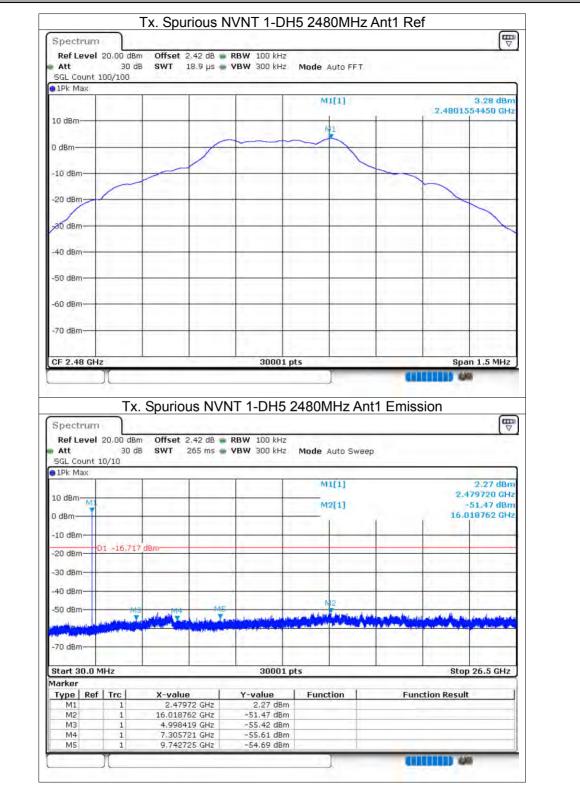
		Tx Sour	ious N	Test Gr VNT 1-Dł	45 2402	MH7 Δ	nt1 Rof		
Spectrum		r. opul	IJUS IN		10 2402				
Ref Level		am Offset ?	38 dB = 1	RBW 100 kHz	-				(▽)
Att	30			VBW 300 kHz	Mode Au	to FFT.			
SGL Count 1	100/100								
1Pk Max		1			MI	11			2,79 dBm
					in the second	-1	i	2.40182	84060 GHz
10 dBm			M				1	1	
0 dBm			1		$ \rightarrow $				
o dom			/						
-10 dBm	_		-				-		
	1							-	
-20 dBm								1	
200				1			1		
-30 dBm									1
-40 dBm			_				_		
									1
-50 dBm	-								
co dha							1		1
-60 dBm				1			1	1	
-70 dBm			-				_		
				1.1	-				1
							_		and the second se
CF 2.402 GI	łz	1		30001	pts			Spa	n 1.5 MHz
)(Т;	k. Spuriou	s NVN	30001		Hz Ant	1 Emiss	•	in 1.5 MHz
Spectrum Ref Level)[Bm Offset 2.	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MF		1 Emiss	•	•
Spectrum Ref Level Att SGL Count 1)[Bm Offset 2.	38 dB 🝙 I	IT 1-DH5	2402MF		1 Emiss	•	•
Spectrum Ref Level Att SGL Count 1)[Bm Offset 2.	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MH Mode Au	to Sweep	1 Emiss	•	(19)
Spectrum Ref Level Att SGL Count 1 1Pk Max)[Bm Offset 2.	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MF	to Sweep	1 Emiss	ion	•
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm)[Bm Offset 2.	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MH Mode Au	to Sweep	1 Emiss	ion 2.4	
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm M1 0 dBm)[Bm Offset 2.	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MF Mode Au	to Sweep	1 Emiss	ion 2.4	.51 dBm 1.51 dBm
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm -10 dBm -10 dBm	Tz 20.00 dł 30	Bin Offset 2. dB SWT 2	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MF Mode Au	to Sweep	1 Emiss	ion 2.4	
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm)[Bin Offset 2. dB SWT 2	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MF Mode Au	to Sweep	1 Emiss	ion 2.4	
Spectrum Ref Level Att SGL Count 1 SGL Count 1 IPk Max 10 dBm -10 dBm -20 dBm	Tz 20.00 dł 30	Bin Offset 2. dB SWT 2	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MF Mode Au	to Sweep	1 Emiss	ion 2.4	
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm	Tz 20.00 dł 30	Bin Offset 2. dB SWT 2	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MF Mode Au	to Sweep	1 Emiss	ion 2.4	
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tz 20.00 dł 30	Bin Offset 2. dB SWT 2	38 dB 🝙 I	IT 1-DH5 RBW 100 kHz	2402MF Mode Au	to Sweep	1 Emiss	ion 2.4	
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tz 20.00 dł 30	Bin Offset 2. dB SWT 2	38 dB 🝙 I	RBW 100 kHz YBW 300 kHz	2402MF Mode Au 	1] 1]		ion 2.4 2.5	
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tz 20.00 dł 30	Bin Offset 2. dB SWT 2	38 dB 🝙 I	RBW 100 kHz YBW 300 kHz	2402MF Mode Au M1[M2]	1] 1]		ion 2.4	
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm	Tz 20.00 dł 30	Bin Offset 2. dB SWT 2	38 dB 🝙 I	RBW 100 kHz YBW 300 kHz	2402MF Mode Au 	1] 1]		ion 2.4 2.5	
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -70 dBm -70 dBm	T: 20,00 di 30 10/10	Bm Offset 2. dB SWT 2	38 dB 🝙 I		2402MF	1] 1]		2.4 2.5	
Spectrum Ref Level Att SGL Count 1 IPK Max ID dBm IPK Max ID dBm ID dBm	T: 20,00 di 30 10/10	Bm Offset 2. dB SWT 2	38 dB 🝙 I	RBW 100 kHz YBW 300 kHz	2402MF	1] 1]		2.4 2.5	
Att SGL Count 1 SGL Count 1 SGL Count 1 SGL Count 1 SGL Count 1 Start 30.0 N Marker Type Ref	Tr	Am Offset 2. dB SWT 2: 13 dBm 13 dBm 13 dBm 13 dBm 13 dBm 13 dBm	38 dB • 1 65 ms • 1 	T 1-DH5	2402MH	1] 1]		2.4 2.5	Example 2
Spectrum Ref Level Att SGL Count 1 IPK Max 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -50 dBm -70 dBm	1Hz 1 1 1 1 1 1 1 1	3m Offset 2. dB SWT 2/ 13 dBm 13 dBm 14 dB	38 dB • 1 65 ms • 1 	T 1-DH5	2402MH	1] 1]		ion 2.4 2.5	Example 2
Spectrum Ref Level Att SGL Count 1 Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -70 dBm Start 30.0 N Marker Type Ref	1Hz 1 1 1 1 1 1 1	3m Offset 2. dB SWT 2:	38 dB • 1 65 ms • 1 	T 1-DH5	2402MF	1] 1]		ion 2.4 2.5	Example 2
Spectrum Ref Level Att SGL Count 1 IPk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -40 dBm -40 dBm -70 dBm -	Tr 20,00 dl 30 10/10 01 -17.2 11 11 1 1 1	Am Offset 2. dB SWT 2/	38 dB	T 1-DH5	2402MF	1] 1]		ion 2.4 2.5	Example 2
Spectrum Ref Level Att SGL Count 1 IPk Max ID dBm -10 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm M2 -50 dBm -70 dB	1Hz 1 1 1 1 1 1 1	3m Offset 2. dB SWT 2:	38 dB	T 1-DH5	2402MF	1] 1]		ion 2.4 2.5	Example 2

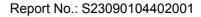




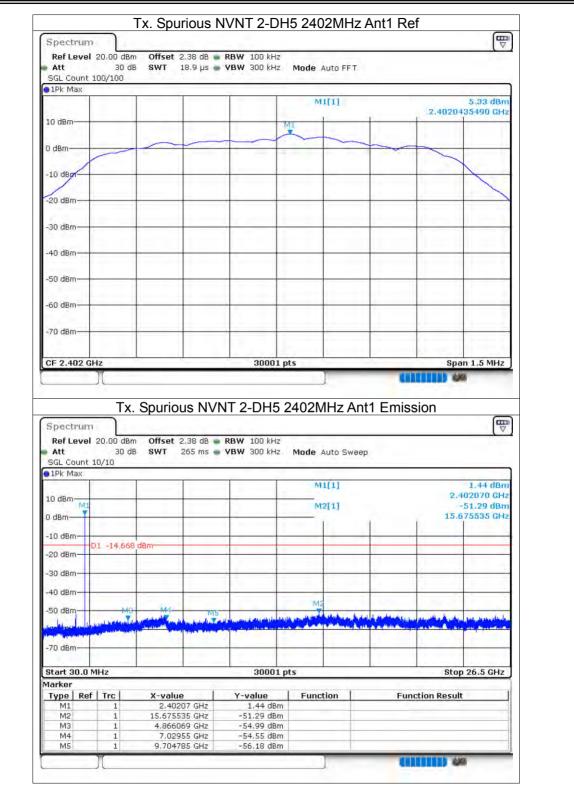


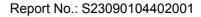




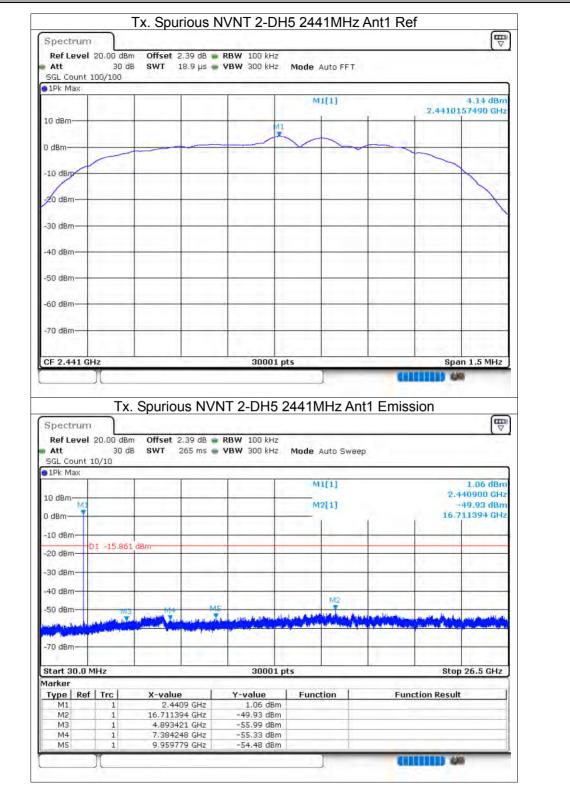


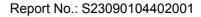




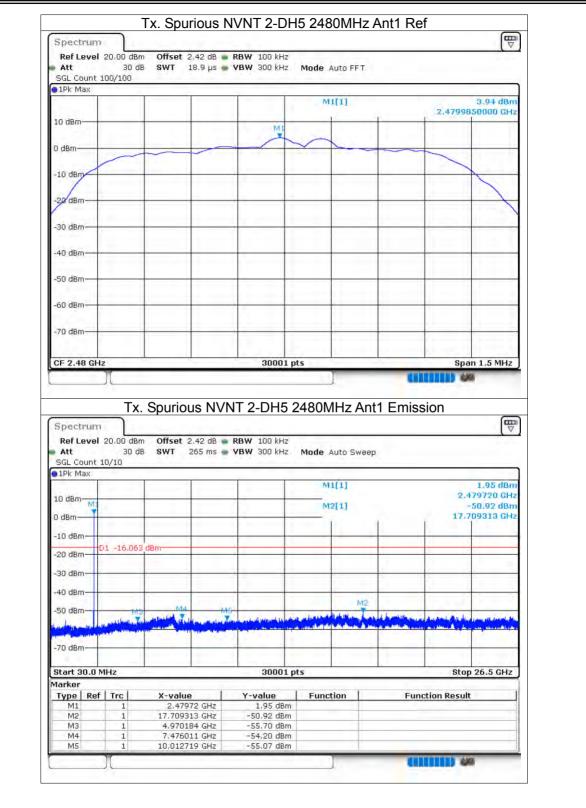


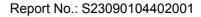














Spectrum Ref Level 20 Att SGL Count 100	30 dB			RBW 100 kHz VBW 300 kHz		Auto FFT.			
1Pk Max	0/100								
				M1[1]				5,51 dBm 2.4020352990 GHz	
10 dBm				-	MI	-		2.4020	1332990 GH2
1.10			-	-	-	_			
0 dBm	-								-
-10 dBm									
-20 dBm	-			-	-	_			
5.2.111				_	_			· · · · ·	
-30 dBm	1				1				
-40 dBm			-		-			_	
									· · · · · ·
-50 dBm	-							1	
-60 dBm						1	1	1	
-00 05/11						1.1.1.1.1			
-70 dBm									
									1
CF 2.402 GHz			_	30001	nte			Sn	an 1.5 MHz
Spectrum		-		IT 3-DH5	2402N) 1Hz Ant	1 Emiss	401010 4	
Spectrum Ref Level 20 Att	1.00 dBm 30 dB	Offset 2.	38 dB 🝙		2402N			401010 4	
Spectrum Ref Level 20 Att SGL Count 10/	1.00 dBm 30 dB	Offset 2.	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M	Auto Sweep		401010 4	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max	1.00 dBm 30 dB	Offset 2.	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M			sion	₩ ▼
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max	1.00 dBm 30 dB	Offset 2.	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode 4	Auto Sweep		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max	1.00 dBm 30 dB	Offset 2.	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode 4	Auto Sweep		sion 2.	.402070 GHz
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm -10 dBm	1.00 dBm 30 dB	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode 4	Auto Sweep		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 0 dBm -10 dBm 01	1.00 dBm 30 dB 10	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode 4	Auto Sweep		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm	1.00 dBm 30 dB 10	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode 4	Auto Sweep		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	1.00 dBm 30 dB 10	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode 4	Auto Sweep		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm M2	-14.488 d	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode 4	Auto Sweep		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm M2	1.00 dBm 30 dB 10	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode / M	Auto Sweep		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm	-14.488 d	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode / M	Auto Sweep 1[1] 2[1]		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm	-14.488 d	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402M Mode / M	Auto Sweep 1[1] 2[1]		sion 2.	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm 20 dBm -10 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm	-14.488 d	Offset 2. SWT 2	38 dB 🝙	IT 3-DH5 RBW 100 kHz	2402N	Auto Sweep 1[1] 2[1]		sion 2. E	
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm 30 dBm 30 dBm 40 dBm 40 dBm 50	-14.488 d	Offset 2. SWT 2	38 dB	IT 3-DH5 RBW 100 kHz YBW 300 kHz	2402N	Auto Sweep		sion 2. E	I.34 dBm 402070 GHz -48.54 dBm 397.334 MHz
Spectrum Ref Level 20 Att SGL Count 10/ IPk Max 10 dBm 10 dBm 10 dBm 10 dBm 30 dBm 30 dBm 30 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 51	-14.488 d	Offset 2. SWT 2	38 dB	IT 3-DH5	2402N Mode / M M	Auto Sweep		sion 2. E	I.34 dBm 402070 GHz -48.54 dBm 397.334 MHz
Spectrum Ref Level 20 Att SGL Count 10/ IPk Max I0 dBm I0	-14.488 d	Offset 2. SWT 2 Bm Bm K-value 2.4020 897.33	38 dB = 65 ms = 100 m	IT 3-DH5 RBW 100 kHz YBW 300 kHz 300 kHz Huges 444 kHz 30001 Y-value 1.34 dBn -48.54 dBn	2402N	Auto Sweep		sion 2. E	I.34 dBm 402070 GHz -48.54 dBm 397.334 MHz
Spectrum Ref Level 20 SGL Count 10/ IPk Max I0 dBm	-14.488 d	Offset 2. SWT 2 Bm Bm X-value 2.4020 897.33 4.81224	38 dB 65 ms 7 GHz 4 MHz 7 GHz	IT 3-DH5 RBW 100 kHz VBW 300 kHz 300 kHz 300 kHz 300 kHz 4 4 4 4 4 4 4 4 4 4 4 4 4	2402N Mode 4 M. M. M. M.	Auto Sweep		sion 2. E	[] []
Spectrum Ref Level 20 Att SGL Count 10/ 1Pk Max 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm 30 dBm 40 dBm 70 dBm 50	-14.488 d	Offset 2. SWT 2 Bm Bm K-value 2.4020 897.33	38 dB = 65 ms	IT 3-DH5 RBW 100 kHz VBW 300 kHz III 300 kHz IIII 300 kHz III 300	2402N Mode A M M M M M M M M M M M	Auto Sweep		sion 2. E	[] []

