

RADIO TEST REPORT FCC ID: 0556522923

Certificate #4298.0

Product:4G Smart PhoneTrade Mark:LOGIC, iSWAG, UNONUModel No.:L66 PROFamily Model:FOX, 6605Report No.:S23080403201001Issue Date:Aug 30, 2023

Prepared for

SWAGTEK

10205 NW 19th Street STE101 Miami, FL 33172, United States

Prepared by

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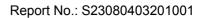


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1 TEST RESULT CERTIFICATION

Applicant's name:	SWAGTEK
Address:	10205 NW 19th Street STE101 Miami, FL 33172, United States
Manufacturer's Name	SWAGTEK
Address	10205 NW 19th Street STE101 Miami, FL 33172, United States
Product description	
Product name:	4G Smart Phone
Trade Mark	LOGIC, ISWAG, UNONU
Model and/or type reference:	L66 PRO
Family Model	FOX, 6605
Test Sample Number	S230804032001

Measurement Procedure Used:

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

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

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

Date of Test	:	Aug 04, 2023 ~Aug 30, 2023
Testing Engineer	:	Muhzi Lee
		(Mukzi Lee)
Authorized Signatory		Ades
Authorized Signatory	•	(Alex Li)





2 SUMMARY OF TEST RESULTS

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:

1. "N/A" denotes test is not applicable in this Test Report.

 All test items were verified and recorded according to the standards and without any deviation during the test.





3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

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

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

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

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

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

3.3 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	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%





4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment	4G Smart Phone			
Trade Mark	LOGIC, iSWAG, UNONU			
FCC ID	O556522923			
Model No.	L66 PRO			
Family Model	FOX, 6605			
Model Difference	All the model are the same circuit and RF module, except the model names.			
Operating Frequency	2402MHz~2480MHz			
Modulation	GFSK, π/4-DQPSK, 8-DPSK			
Number of Channels	79 Channels			
Antenna Type	PIFA Antenna			
Antenna Gain	1.46 dBi			
Adapter	Model: CMAX2U Input: AC100-240V, 50-60Hz 0.2A Output: DC 5.0V2000mA			
Battery	DC 3.87V, 5000mAh, 19.35Wh			
Power supply	DC 3.87V from battery or DC 5V from Adapter.			
HW Version	E93A_C41_30M15			
SW Version	LOGIC_L66_PRO_GENERIC_V1.0			

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





Revision History

Report No.	Version	Description	Issued Date
S23080403201001	Rev.01	Initial issue of report	Aug 30, 2023





5 **DESCRIPTION OF TEST MODES**

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

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

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

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

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

Carrier Frequency and Channel list:

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

Note: fc=2402MHz+k×1MHz k=0 to 78

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

For AC Conducted Emission			
Final Test Mode	Description		
Mode 1 normal link mode			
Nate: AC new and line Conducted Environments to stade down down and income autout a super-			

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	Note: The engineering test program was provided and the EUT was programmed to be in continuous					

transmitting mode.



ACCREDITED Certificate #4298.01

6 SETUP OF 6.1 BLOCK DIAG For AC Conducted					
C-2	EUT AE-2 Earphone	C-1	AE-1 Adapter	AC PLUG	
For Radiated Test (Cases				
	EUT				
For Conducted Tes	t Cases				
Measurement Instrument	C-3 EU	Т			
and this temporary	orary antenna con antenna connect n battery-powered	or is listed in	n the equipment	list.	perform conducted tests





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	CMAX2U	N/A	Peripherals
AE-2	Earphone	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	USB Cable	NO	NO	1.0m
C-2	Earphone Cable	NO	NO	1.2m
C-3	RF Cable	YES	NO	0.1m

Notes:

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





6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

	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

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

7.1.2 Conformance Limit

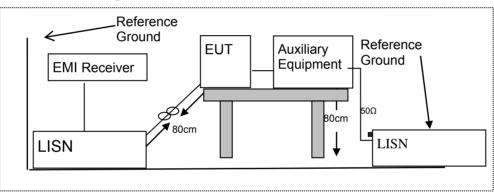
	Conducted Emission Limit			
Frequency(MHz)	Quasi-peak	Average		
0.15-0.5	66-56*	56-46*		
0.5-5.0	56	46		
5.0-30.0	60	50		

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

2. The lower limit shall apply at the transition frequencies

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

7.1.3 Test Configuration



7.1.4 Test Procedure

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

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

7.1.5 Test Results

Pass





7.1.6 Test Results

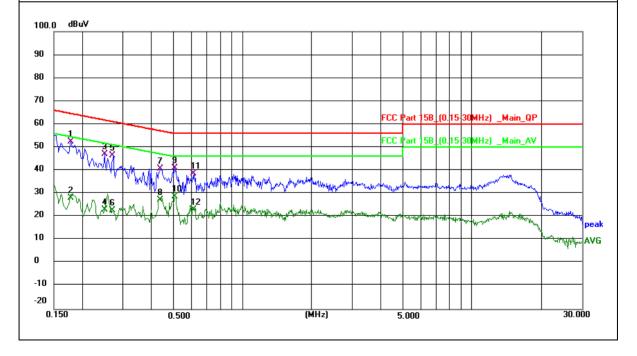
EUT:	4G Smart Phone	Model Name :	L66 PRO
Temperature:	22.1 ℃	Relative Humidity:	53%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

	r	r			1	
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1780	42.48	9.99	52.47	64.58	-12.11	QP
0.1780	18.29	9.99	28.28	54.58	-26.30	AVG
0.2500	37.05	10.14	47.19	61.76	-14.57	QP
0.2500	12.78	10.14	22.92	51.76	-28.84	AVG
0.2714	36.16	10.18	46.34	61.07	-14.73	QP
0.2714	12.46	10.18	22.64	51.07	-28.43	AVG
0.4350	30.34	10.51	40.85	57.16	-16.31	QP
0.4350	16.85	10.51	27.36	47.16	-19.80	AVG
0.5060	30.31	10.67	40.98	56.00	-15.02	QP
0.5060	18.09	10.67	28.76	46.00	-17.24	AVG
0.6100	27.79	10.87	38.66	56.00	-17.34	QP
0.6100	12.06	10.87	22.93	46.00	-23.07	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.





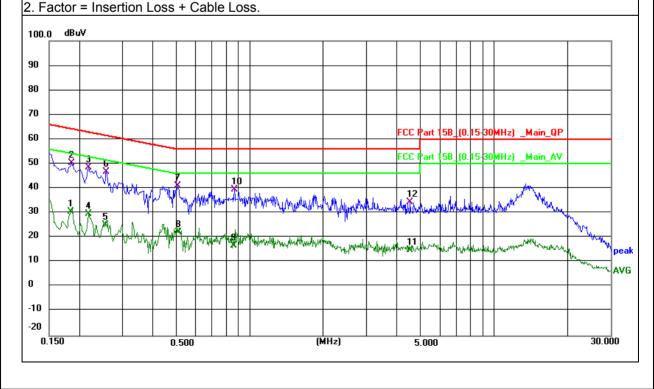


EUT:	4G S	4G Smart Phone			Model Name :		L66 PRO		
Temperature:	22.1	°C			Relative Humid	ity:	53%	53%	
Pressure:	1010)hPa		Phase : N					
Test Voltage :	DC 5	5V fro	om Adapter AC	120V/60Hz	Test Mode:		Mode 1		
Frequency	Reading L	.evel	Correct Factor	Measure-ment	t Limits	Ma	irgin	Remark	
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(C	lB)	Remain	
0.1844	20.55		9.99	30.54	54.29	-23	3.75	AVG	
0.1860	40.48		10.01	50.49	64.21	-13	3.72	QP	
0.2180	38.37	i	10.08	48.45	62.89	-14	1.44	QP	

0.2.00				02.00		~ .
0.2180	19.48	10.08	29.56	52.89	-23.33	AVG
0.2548	15.09	10.14	25.23	51.60	-26.37	AVG
0.2580	36.51	10.16	46.67	61.50	-14.83	QP
0.5060	30.42	10.67	41.09	56.00	-14.91	QP
0.5100	11.37	10.67	22.04	46.00	-23.96	AVG
0.8580	5.35	11.38	16.73	46.00	-29.27	AVG
0.8620	28.24	11.38	39.62	56.00	-16.38	QP
4.5100	5.38	9.67	15.05	46.00	-30.95	AVG
4.5260	24.74	9.67	34.41	56.00	-21.59	QP

Remark:

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







7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

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

7.2.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). According to FCC Part15.205, Restricted bands

7.0001 ang 10 1 00 1 art 10.20								
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(winz)	PEAK	AVERAGE					
Above 1000	74	54					

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

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

3. For Frequency 9kHz~30MHz:

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

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

For Frequency above 30MHz:

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

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



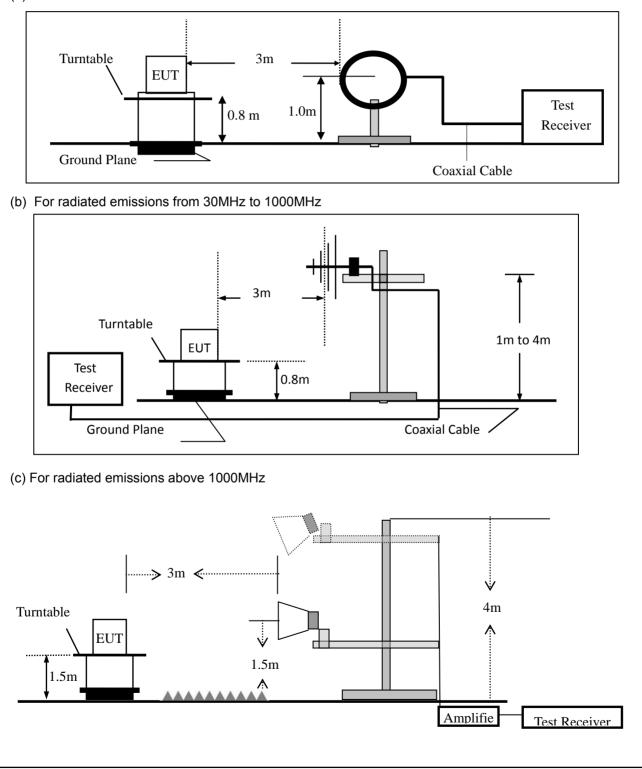


7.2.3 Measuring Instruments

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

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz







7.2.5 Test Procedure

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

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

ele ale lenewing opeen and analyzer beamig	5.					
Spectrum Parameter	Setting					
Attenuation	Auto					
Start Frequency	1000 MHz					
Stop Frequency	10th carrier harmonic					
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 1 MHz for Average					

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

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

Note:

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



During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	1 MHz

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

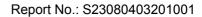
7.2.6 Test Results

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

EUT:	4G Smart Phone	Model No.:	L66 PRO
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)	Ove	r(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV

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





ACCREDITED Certificate #4298.01

Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the worst result was report as below: EUT: 4G Smart Phone Model Name : L66 PRO **25.4** ℃ Relative Humidity: 54% Temperature: Test Mode: Pressure: 1010hPa Mode 4 DC 3.87V Test Voltage : Meter Emission Frequency Factor Limits Margin Polar Reading Level Remark (H/V) (MHz) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) 4.72 25.93 -9.35 V 30.9618 30.65 40.00 QP V 118.6012 7.48 18.71 26.19 43.50 -17.31 QP V 129.4677 7.50 18.86 26.36 43.50 -17.14 QP V 160.9090 7.23 18.01 25.24 43.50 -18.26 QP V 616.3716 5.77 26.70 32.47 46.00 -13.53 QP V 830.4000 6.96 29.99 36.95 46.00 -9.05 QP Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit dBuV/m 80.0 70 60 FCC Part 15-Class B-30-1000MHz-Radiated-QP 50 40 X 30 handream 2 3 X X 4 Minis MPH Man 20 Windowskith 10 0.0 30.000 (MHz) 1000.000 60.00 300.00





Ро		Frequ	ency		M Re	lete adi		Factor	Emi Le	ssi eve		۱		Limit	ts	Ма	rgin		Re	mark
(H/	/V)	(M⊦	lz)		(d	Bu	V)	(dB)	(dBi	١V	/m)		(dBuV	/m)	(0	dB)			
H	1	30.74	454		5	5.09)	26.05	31	.1	4			40.0	0	-8	8.86			QP
F	4	102.0	013		6	6.94	Ļ	17.85	24	.7	9			43.5	0	-18	8.71			QP
H	1	125.4	457		7	' .27	7	18.77	26	6.0	4			43.5	0	-17	7.46			QP
H	4	152.6	640		6	6.81		18.43	25	5.2	4			43.5	0	-18	8.26			QP
H	1	645.1	194		4	.50)	27.12	31	.6	2			46.0	0	-14	4.38			QP
H	1	824.5	968		4	.86	6	29.87	34	.7	3			46.0	0	-1	1.27			QP
Em		Level=	Mete	er R	ead	ing	+ F	actor, Margi	n= Em	iss	io	n L	_ev	vel - Lin	nit					
80.0	dBu	V/m											_				1			_
70		_																		_
60																				
									F	cc	Par	t 15	i-Cl	ass B-30-10	000MHz	Radiate	ed-QP			
50																				
											-									_H
40						ſ				┛│										
40						ſ				Τ									6	ALAN A
20	i.																5	All and	A.	·
30	Marin						2	3 4							M. Martin	min				
	"	MANA				6.60	when	manun ann than some thing	MANA AND	Se la			N	Uni aringuni runnya						
20		- Willy	Mary a	and	Jurn!	n mar				100		Mar.								
10		WWWWWWWWWWWWWWWWW																		
0.0																				
30	0.000		6	0.00				(MHz)				3	00.00					10	000.000





EUT:	4G Sn	nart Pho	ne	Mode	No.:	L66 P	RO				
Temperature:	20 ℃			Relati	ve Humidity	r: 48%					
Test Mode:	Mode	2/Mode3	3/Mode4	Test E	<u>,</u> By:	Mukzi	Mukzi Lee				
All the modulation								N:			
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Remark	Comment		
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)				
	•	L	ow Channe	I (2402 MI	- Hz)(8-DPSK)Above 1G	•	•			
4804	69.75	5.21	35.59	44.30	66.25	74.00	-7.75	Pk	Vertical		
4804	45.52	5.21	35.59	44.30	42.02	54.00	-11.98	AV	Vertical		
7206	68.12	6.48	36.27	44.60	66.27	74.00	-7.73	Pk	Vertical		
7206	46.27	6.48	36.27	44.60	44.42	54.00	-9.58	AV	Vertical		
4804	70.16	5.21	35.55	44.30	66.62	74.00	-7.38	Pk	Horizontal		
4804	50.26	5.21	35.55	44.30	46.72	54.00	-7.28	AV	Horizontal		
7206	70.53	6.48	36.27	44.52	68.76	74.00	-5.24	Pk	Horizontal		
7206	45.42	6.48	36.27	44.52	43.65	54.00	-10.35	AV	Horizontal		
		Ν	/lid Channe	l (2441 Mł	Hz)(8-DPSK)Above 1G					
4882	70.32	5.21	35.66	44.20	66.99	74.00	-7.01	Pk	Vertical		
4882	50.1	5.21	35.66	44.20	46.77	54.00	-7.23	AV	Vertical		
7323	70.78	7.10	36.50	44.43	69.95	74.00	-4.05	Pk	Vertical		
7323	45.37	7.10	36.50	44.43	44.54	54.00	-9.46	AV	Vertical		
4882	68.26	5.21	35.66	44.20	64.93	74.00	-9.07	Pk	Horizontal		
4882	46.1	5.21	35.66	44.20	42.77	54.00	-11.23	AV	Horizontal		
7323	68.4	7.10	36.50	44.43	67.57	74.00	-6.43	Pk	Horizontal		
7323	50.66	7.10	36.50	44.43	49.83	54.00	-4.17	AV	Horizontal		
		Н	igh Channe	l (2480 MI	Hz)(8-DPSK) Above 10	3				
4960	70.79	5.21	35.52	44.21	67.31	74.00	-6.69	Pk	Vertical		
4960	47.58	5.21	35.52	44.21	44.10	54.00	-9.90	AV	Vertical		
7440	69.54	7.10	36.53	44.60	68.57	74.00	-5.43	Pk	Vertical		
7440	49.43	7.10	36.53	44.60	48.46	54.00	-5.54	AV	Vertical		
4960	68.8	5.21	35.52	44.21	65.32	74.00	-8.68	Pk	Horizontal		
4960	50.52	5.21	35.52	44.21	47.04	54.00	-6.96	AV	Horizontal		
7440	70	7.10	36.53	44.60	69.03	74.00	-4.97	Pk	Horizontal		
7440	48.04	7.10	36.53	44.60	47.07	54.00	-6.93	AV	Horizontal		

Note:

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



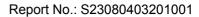


Report No.: S23080403201001

Spurious I EUT:	4G Smart				90MHz and el No.:		L66 PRO				
		Phone			tive Humidit						
						5	48%				
Test Mode:	Mode2/ M				Test By: Mukzi Lee						
All the modul						<u>ult was</u>	report as be	low:			
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limit	s Margin	Detector	Comment		
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/	m) (dB)	Туре			
	3Mbps(8				SK)-Non-hop	ping					
2310.00	69.5	2.97	27.80	43.80	56.47	74	-17.53	Pk	Horizontal		
2310.00	47.08	2.97	27.80	43.80	34.05	54	-19.95	AV	Horizontal		
2310.00	68.12	2.97	27.80	43.80	55.09	74	-18.91	Pk	Vertical		
2310.00	48.65	2.97	27.80	43.80	35.62	54	-18.38	AV	Vertical		
2390.00	70.83	3.14	27.21	43.80	57.38	74	-16.62	Pk	Vertical		
2390.00	49.38	3.14	27.21	43.80	35.93	54	-18.07	AV	Vertical		
2390.00	68.68	3.14	27.21	43.80	55.23	74	-18.77	Pk	Horizontal		
2390.00	45.19	3.14	27.21	43.80	31.74	54	-22.26	AV	Horizontal		
2483.50	69.91	3.58	27.70	44.00	57.19	74	-16.81	Pk	Vertical		
2483.50	46.92	3.58	27.70	44.00	34.20	54	-19.80	AV	Vertical		
2483.50	69.17	3.58	27.70	44.00	56.45	74	-17.55	Pk	Horizontal		
2483.50	50.79	3.58	27.70	44.00	38.07	54	-15.93	AV	Horizontal		
			:	3Mbps(8-	DPSK)-hoppi	ng					
2310.00	69.53	2.97	27.80	43.80	56.50	74	-17.50	Pk	Horizontal		
2310.00	46.38	2.97	27.80	43.80	33.35	54	-20.65	AV	Horizontal		
2310.00	69.79	2.97	27.80	43.80	56.76	74	-17.24	Pk	Vertical		
2310.00	48.17	2.97	27.80	43.80	35.14	54	-18.86	AV	Vertical		
2390.00	68.77	3.14	27.21	43.80	55.32	74	-18.68	Pk	Vertical		
2390.00	45.13	3.14	27.21	43.80	31.68	54	-22.32	AV	Vertical		
2390.00	70.16	3.14	27.21	43.80	56.71	74	-17.29	Pk	Horizontal		
2390.00	48.47	3.14	27.21	43.80	35.02	54	-18.98	AV	Horizontal		
2483.50	68.46	3.58	27.70	44.00	55.74	74	-18.26	Pk	Vertical		
2483.50	50.95	3.58	27.70	44.00	38.23	54	-15.77	AV	Vertical		
2483.50	70.24	3.58	27.70	44.00	57.52	74	-16.48	Pk	Horizontal		
2483.50	49.15	3.58	27.70	44.00	36.43	54	-17.57	AV	Horizontal		

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





Ξl	JT:	4G S	mart Ph	one		Mode	l No.:		L66 F	PRO		
ſe	emperature:	20 ℃				Relative Humidity:			48%			
ſe	est Mode: Mode2 / Mode3 / Mode4						Зу:		Mukz	i Lee		
All the modulation modes have been tested, a				and the	e worst res	ult wa	is repo	ort as be	low:			
	Frequency	Reading Level	Cable Loss	Antenna Factor		eamp actor	Emission Level	Lin	nits	Margin	Detector	Comment
	(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	m) (dBµV/m)		(dB)	Туре	
	3260	69.8	4.04	29.57	44	4.70	58.71	7	'4	-15.29	Pk	Vertical
	3260	46.67	4.04	29.57	44	4.70	35.58	5	54	-18.42	AV	Vertical
	3260	69.49	4.04	29.57	44	4.70	58.40	7	'4	-15.60	Pk	Horizontal
	3260	48.06	4.04	29.57	44	4.70	36.97	5	54	-17.03	AV	Horizontal
	3332	70.4	4.26	29.87	44	4.40	60.13	7	'4	-13.87	Pk	Vertical
	3332	50.1	4.26	29.87	44	4.40	39.83	5	54	-14.17	AV	Vertical
	3332	69.82	4.26	29.87	44	4.40	59.55	7	'4	-14.45	Pk	Horizontal
	3332	47.38	4.26	29.87	44	4.40	37.11	5	54	-16.89	AV	Horizontal
	17797	49.44	10.99	43.95	43	3.50	60.88	7	'4	-13.12	Pk	Vertical
	17797	37.52	10.99	43.95	43	3.50	48.96	5	54	-5.04	AV	Vertical
	17788	56.9	11.81	43.69	44	4.60	67.80 7		'4	-6.20	Pk	Horizontal
	17788	31.57	11.81	43.69	44	4.60	42.47	5	54	-11.53	AV	Horizontal

Certificate #4298.01

ilac-M

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:	4G Smart Phone	Model No.:	L66 PRO
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Mukzi Lee





7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

7.4.1 Applicable Standard

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

7.4.2 Conformance Limit

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

7.4.3 Measuring Instruments

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

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

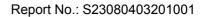
7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Span = Measurement Bandwidth or Channel Separation RBW: Start with the RBW set to approximately 3% of the channel spacing; adjust as necessary to best identify the center of each individual channel. VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold

7.4.6 Test Results

EUT:	4G Smart Phone	Model No.:	L66 PRO
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee





7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

7.5.1 Applicable Standard

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

7.5.2 Conformance Limit

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

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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:	4G Smart Phone	Model No.:	L66 PRO
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

Test data reference attachment.

Note:

A Period Time = (channel number)*0.4

DH1 Dwell time: Reading * (1600/2)*31.6/(channel number) DH3 Dwell time: Reading * (1600/4)*31.6/(channel number) DH5 Dwell time: Reading * (1600/6)*31.6/(channel number)

For Example:

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





7.6 20DB BANDWIDTH TEST

7.6.1 Applicable Standard

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

7.6.2 Conformance Limit

No limit requirement.

7.6.3 Measuring Instruments

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

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

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

7.6.6 Test Results

EUT:	4G Smart Phone	Model No.:	L66 PRO
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee





7.7 PEAK OUTPUT POWER

7.7.1 Applicable Standard

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

7.7.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.

7.7.3 Measuring Instruments

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

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

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

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

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

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

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

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

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

 $VBW \ge RBW$

Sweep = auto

Detector function = peak Trace = max hold

7.7.6 Test Results

EUT:	4G Smart Phone	Model No.:	L66 PRO
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee





7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

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

7.8.2 Conformance Limit

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

7.8.3 Measuring Instruments

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

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

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

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

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

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

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

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

RBW = 100KHz

VBW = 300KHz

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

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

Repeat above procedures until all measured frequencies were complete.

7.8.6 Test Results

EUT:	4G Smart Phone	Model No.:	L66 PRO
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	Mukzi Lee





7.9 SPURIOUS RF CONDUCTED EMISSION

7.9.1 Applicable Standard

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

7.9.2 Conformance Limit

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

7.9.3 Measuring Instruments

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

7.9.4 Test Setup

Please refer to Section 6.1 of this test report.

7.9.5 Test Procedure

Establish an emission level by using the following procedure:

a) Set the center frequency and span to encompass frequency range to be measured.

b) Set the RBW = 100 kHz.

c) Set the VBW \geq [3 × RBW].

d) Detector = peak.

e) Sweep time = auto couple.

f) Trace mode = max hold.

g) Allow trace to fully stabilize.

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

7.9.6 Test Results

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





7.10 ANTENNA APPLICATION

7.10.1 Antenna Requirement

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

7.10.2 Result

The EUT antenna is permanent attached PIFA antenna (Gain: 1.46 dBi). It comply with the standard requirement.

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

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

7.11.2 Frequency Hopping System

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

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

7.11.3 EUT Pseudorandom Frequency Hopping Sequence

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

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





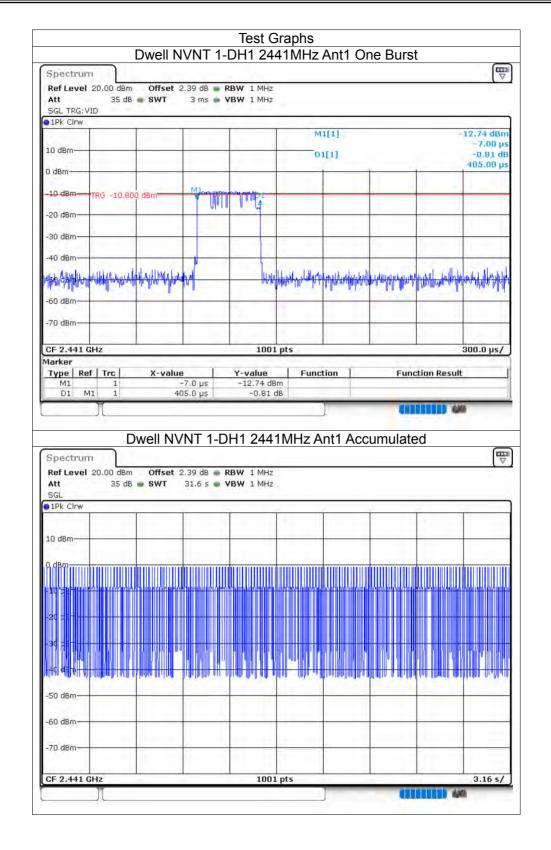
8 TEST RESULTS

8.1 **DWELL TIME**

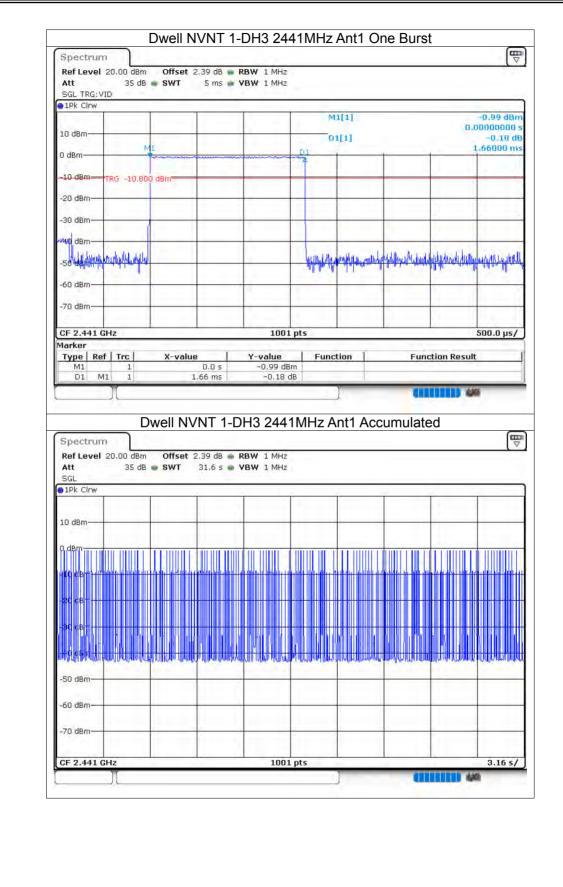
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.405	77.355	191	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.66	207.5	125	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.912	238.784	82	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.399	76.608	192	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.65	201.3	122	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.904	238.128	82	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.396	83.16	210	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.645	208.915	127	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.896	228.784	79	31600	400	Pass



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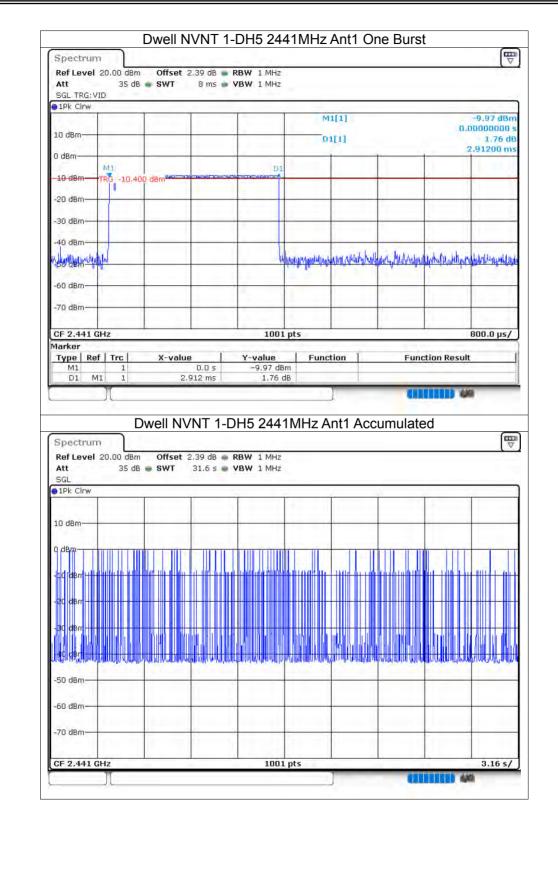




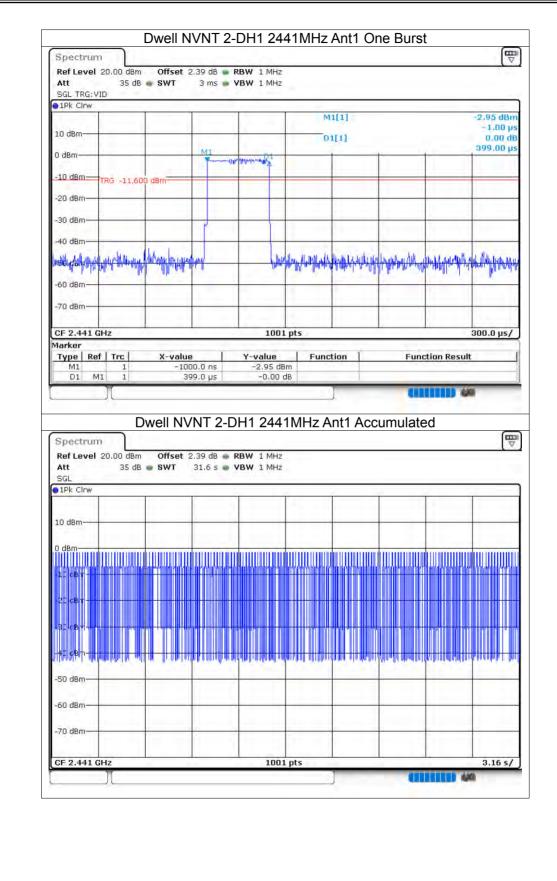




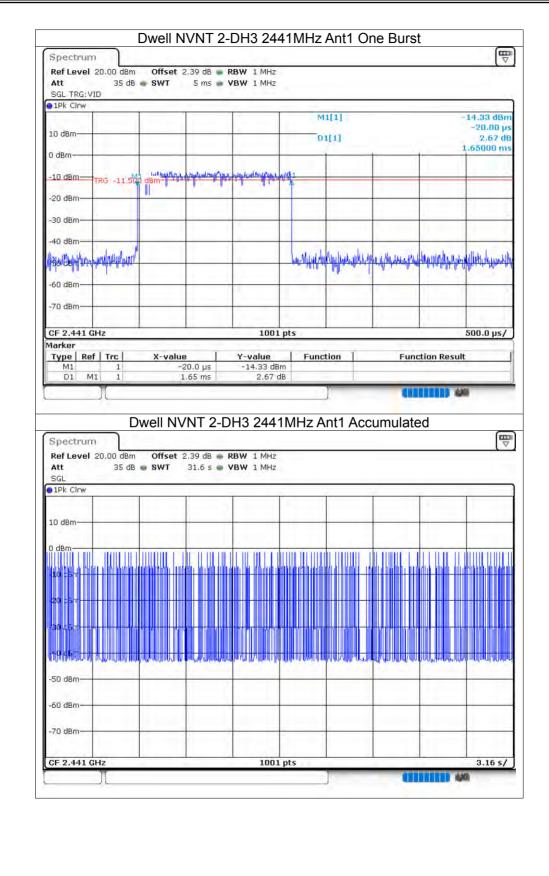
Certificate #4298.01



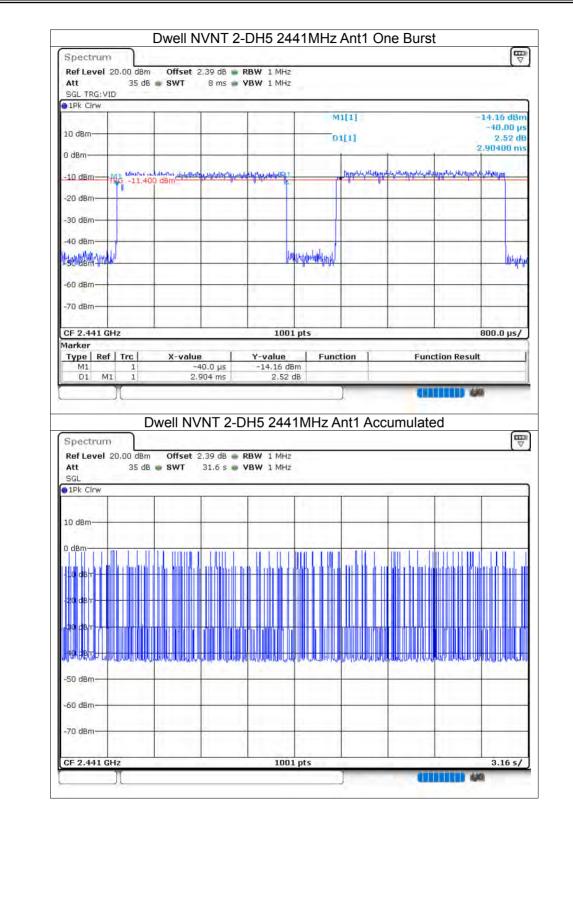




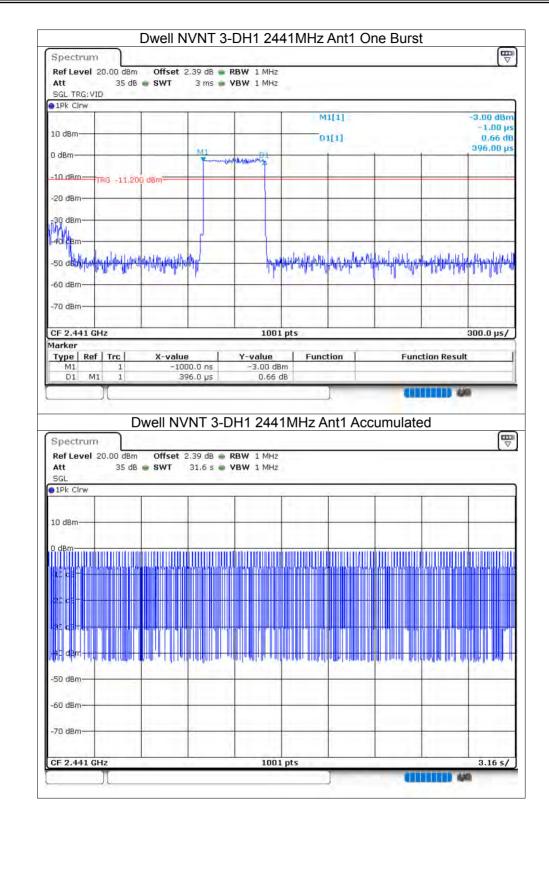




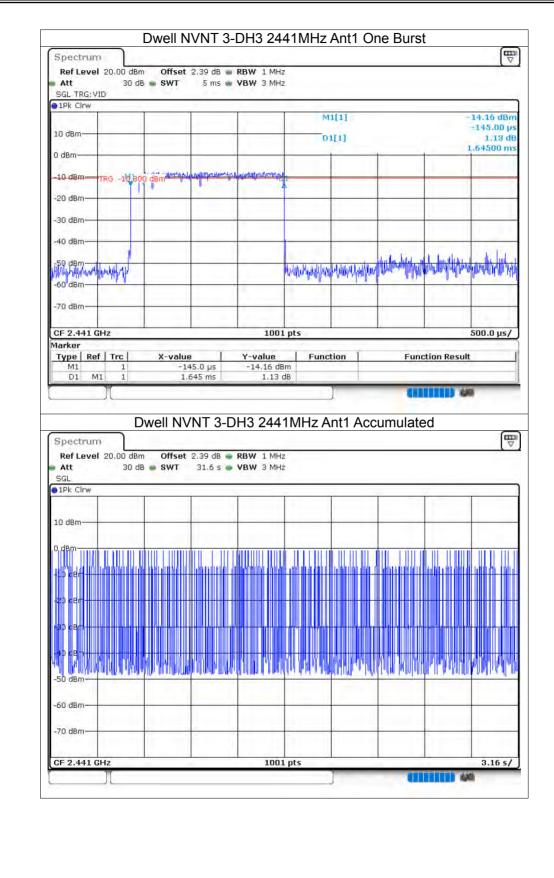




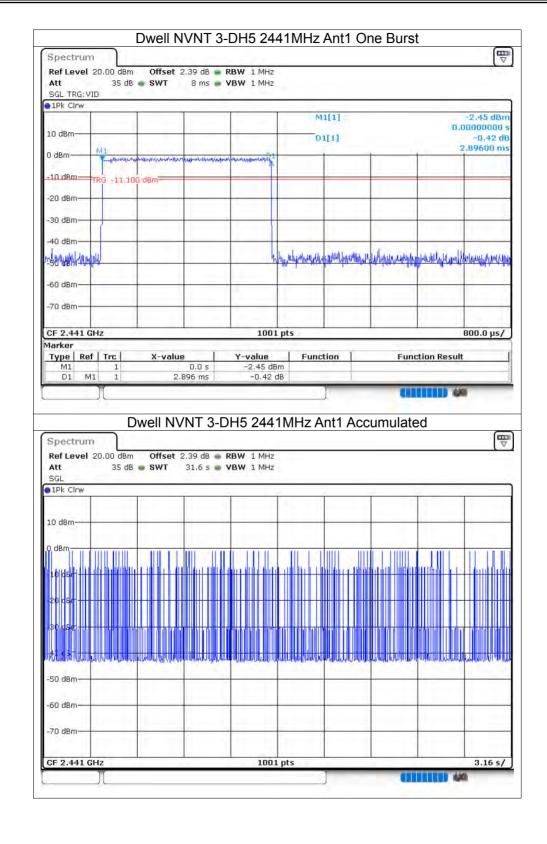
















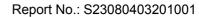
8.2 MAXIMUM CONDUCTED OUTPUT POWER

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Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2441	Ant1	-0.44	21	Pass
NVNT	3-DH5	2441	Ant1	-0.35	21	Pass
NVNT	2-DH5	2441	Ant1	-0.01	21	Pass
NVNT	1-DH5	2402	Ant1	0.37	21	Pass
NVNT	3-DH5	2402	Ant1	0.41	21	Pass
NVNT	1-DH5	2480	Ant1	0.45	21	Pass
NVNT	2-DH5	2480	Ant1	0.58	21	Pass
NVNT	2-DH5	2402	Ant1	0.67	21	Pass
NVNT	3-DH5	2480	Ant1	0.82	21	Pass

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a		ower NVNT 1-	UH5 2402MF	iz Ant'i		(m
Spectrum Ref Level 20.00 Att SGL Count 100/1	35 dB SWT	.38 dB B RBW 2 MH 1 ms B VBW 2 MH		ер		[Ţ
1Pk Max	.00					
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		M1				
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-20 dBm						
-30 dBm-		1				
-40 dBm						
-50 dBm			_			
-60 dBm					-	
-70 dBm						_
CF 2.402 GHz		10	101 pts		Spa	n 5.0 MHz
][Pc)	10 ower NVNT 1-		lz Ant1	Spa	
Spectrum Ref Level 20.00 Att	dBm Offset 2 35 dB SWT		DH5 2441MH		Span	n 5.0 MHz
Spectrum Ref Level 20.00 Att 3 SGL Count 100/1	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH		Spar	
Spectrum Ref Level 20.00 Att	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att 3 SGL Count 100/1	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm-	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm-	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm -10 dBm -20 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm -10 dBm -20 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att 3 SGL Count 100/1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att 3 SGL Count 100/1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att S SGL Count 100/1 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att S SGL Count 100/1 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm	dBm Offset 2 35 dB SWT	Dwer NVNT 1-	DH5 2441MH	еер		-0,44 dBm
Spectrum Ref Level 20.00 Att S SGL Count 100/1 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	dBm Offset 2 35 dB SWT	DWER NVNT 1-	DH5 2441MH	еер	2,440	-0,44 dBm

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Ref Level 20.00 dBm Att 35 dB SGL Count 100/100		2.42 dB 🗰 RB 1 ms 🛖 YB		Mode Auto S	weep			
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-20 dBm	-	-						
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-40 dBm			·					i i
-50 dBm								
-60 dBm			-					
-70 dBm								
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Spectrum Ref Level 20.00 dBm Att 35 dB	Offset 2	2.38 dB 👅 RB	W 2 MHz	H5 2402N Mode Auto S		<u>t1</u>		(ए
Spectrum Ref Level 20.00 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz	H5 2402N Mode Auto S	weep	t1		
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100	Offset 2	2.38 dB 👅 RB	W 2 MHz	H5 2402M	weep	t1	2,401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz	H5 2402N Mode Auto S	weep	t1	2.401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2.401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2,401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2.401	0.67 dBr 88960 GH
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2,401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2.401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2.401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2.401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2,401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N Mode Auto S	weep	t1	2.401	0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	Offset 2	2.38 dB 👅 RB	M12 MH2 MH2 MH2	H5 2402N	weep	t1		0.67 dBr
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	Offset 2	2.38 dB 👅 RB	W 2 MHz SW 2 MHz	H5 2402N	weep	t1		0.67 dBr





Spectrum Ref Level 20.00 c Att 35		dB B RBW 2 MHz ms BW 2 MHz	Mode Auto Sweep			
SGL Count 100/10 1Pk Max			100 M 100 100 100 100 100 100 100 100 10			-
			M1[1]			0.01 dBm 1690 GHz
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-60 dBm		1				
-70 dBm						
						12000
CE 2 441 CH3		100	Inte		Coop	6 E MILLA
Spectrum Ref Level 20.00 c	IBm Offset 2.42	er NVNT 2-D	H5 2480MHz Mode Auto Sweep		Span	6.5 MHz
CF 2.441 GHz Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max	lBm Offset 2.42 dB SWT 1	er NVNT 2-D]		Span	
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10	lBm Offset 2.42 dB SWT 1	er NVNT 2-D	H5 2480MHz			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10	lBm Offset 2.42 dB SWT 1	er NVNT 2-D	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max	lBm Offset 2.42 dB SWT 1	er NVNT 2-D	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm -10 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm -10 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm -10 dBm -20 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			6.5 MHz
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D dB RBW 2 MHz ms YBW 2 MHz M1	H5 2480MHz Mode Auto Sweep			(₩ ⊽
Spectrum Ref Level 20.00 c Att 35 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	lBm Offset 2.42 dB SWT 1	er NVNT 2-D	H5 2480MHz Mode Auto Sweep		2.4797	(₩ ⊽





Ref Level 20.00 dB Att 35 c SGL Count 100/100		 RBW 2 MHz YBW 2 MHz Mo 	de Auto Sweep			
) 1Pk Max			M1[1]		2,4019	0,41 dBm 5450 GHz
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-50 dBm						
-60 dBm						1
-70 dBm						
				: La · · · · · · · · · · · · · · · · · ·		
Spectrum Ref Level 20.00 dB	m Offset 2.39 dB		2441MHz /		Span	6.5 MHz
Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep			₩
CF 2.402 GHz Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 1Pk Max 10 dBm-	m Offset 2.39 dB	NVNT 3-DH5	2441MHz /			0.35 dBm 0910 GHz
Spectrum Ref Level 20.00 dB Att 35 d SGL Count 100/100 1Pk Max	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep M1[1]			0,35 dBm
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep			0,35 dBm
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep M1[1]			0,35 dBm
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep M1[1]			0,35 dBm
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep M1[1]			0,35 dBm
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep M1[1]			0,35 dBm
Spectrum Ref Level 20.00 dB Att 35 of SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep M1[1]			0,35 dBm
Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep M1[1]			0,35 dBm
Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz / de Auto Sweep M1[1]			(₩ ⊽
Spectrum Ref Level 20.00 dB Att 35 c SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	m Offset 2.39 dB	NVNT 3-DH5	2441MHz /		2,4409	(₩ ⊽



Certificate #4298.01

Spectrum								
Ref Level 20.00 dBm Att 35 dB SGL Count 100/100		42 dB 🐞 RB 1 ms 🖷 VB	WI2MHz WI2MHz Mi	ode Auto S	Sweep			
1Pk Max	1 1							
			1.1.1	MT[u .		2.479	0.82 dBm 96750 GHz
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			ML					
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-40 dBm	-	_				_		
-50 dBm						-		
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			1.2					1.00
CF 2.48 GHz	4 1	-	1001 pts	- L		_	Spa	n 6.5 MHz





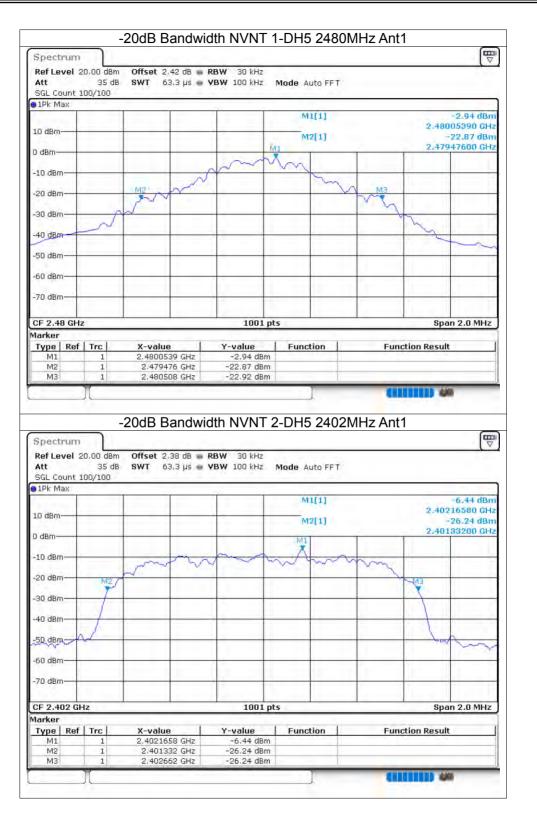
8.3 -20DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.018	Pass
NVNT	1-DH5	2441	Ant1	0.934	Pass
NVNT	1-DH5	2480	Ant1	1.032	Pass
NVNT	2-DH5	2402	Ant1	1.33	Pass
NVNT	2-DH5	2441	Ant1	1.31	Pass
NVNT	2-DH5	2480	Ant1	1.284	Pass
NVNT	3-DH5	2402	Ant1	1.292	Pass
NVNT	3-DH5	2441	Ant1	1.274	Pass
NVNT	3-DH5	2480	Ant1	1.282	Pass

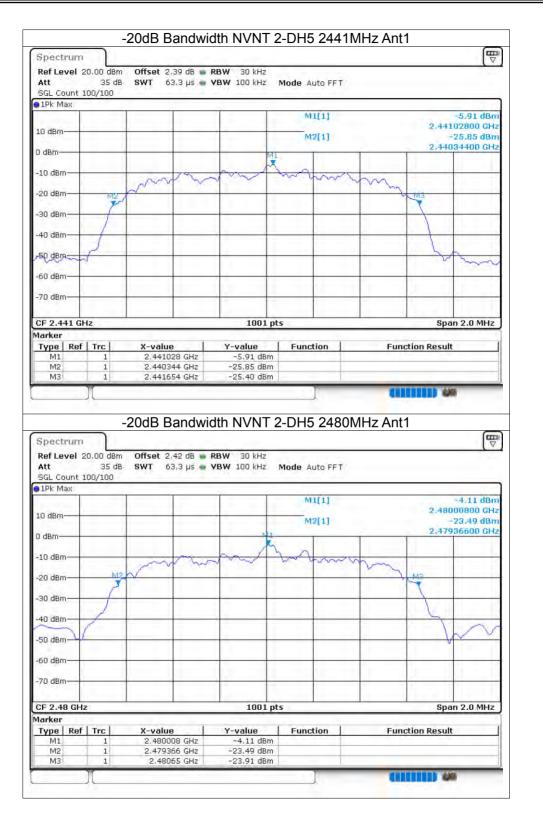




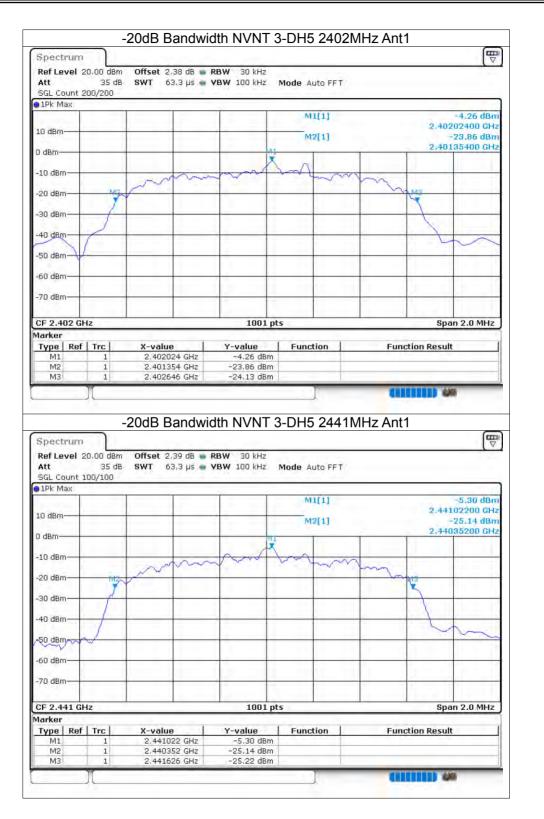




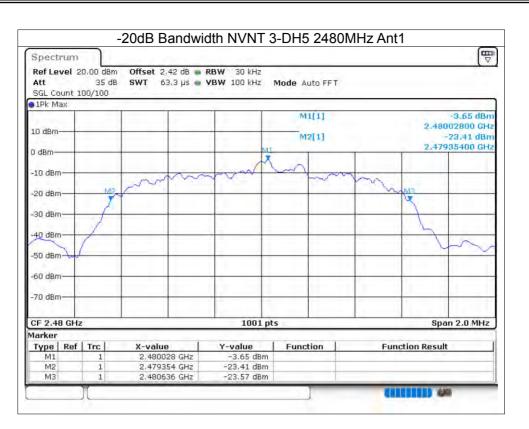














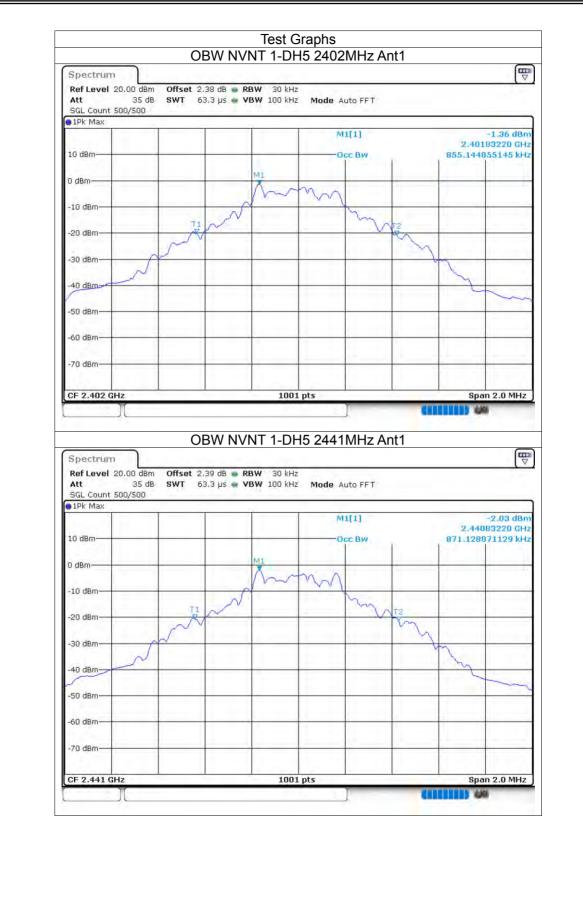


8.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.855
NVNT	1-DH5	2441	Ant1	0.871
NVNT	1-DH5	2480	Ant1	0.869
NVNT	2-DH5	2402	Ant1	1.195
NVNT	2-DH5	2441	Ant1	1.183
NVNT	2-DH5	2480	Ant1	1.187
NVNT	3-DH5	2402	Ant1	1.181
NVNT	3-DH5	2441	Ant1	1.185
NVNT	3-DH5	2480	Ant1	1.197











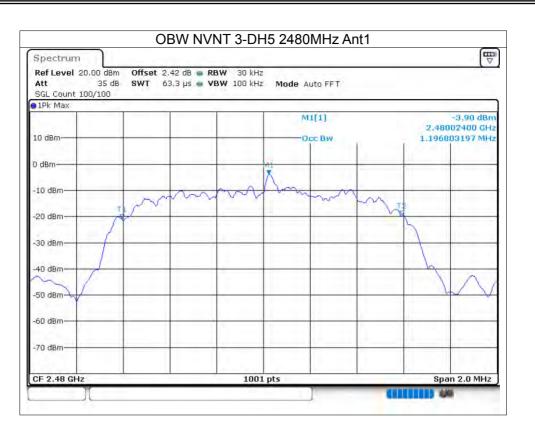














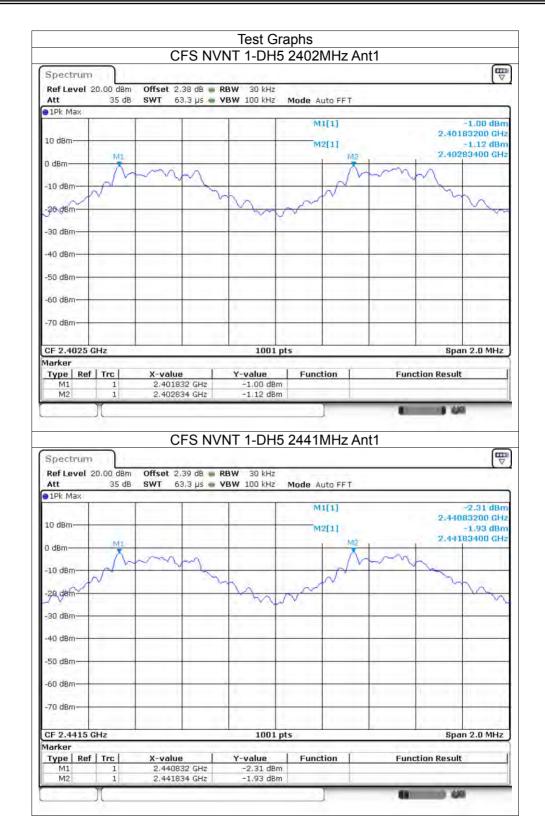


8.5 **CARRIER FREQUENCIES SEPARATION**

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.832	2402.834	1.002	0.679	Pass
NVNT	1-DH5	Ant1	2440.832	2441.834	1.002	0.623	Pass
NVNT	1-DH5	Ant1	2478.832	2480.026	1.194	0.688	Pass
NVNT	2-DH5	Ant1	2402.026	2403.022	0.996	0.887	Pass
NVNT	2-DH5	Ant1	2441.013	2442.014	1.001	0.873	Pass
NVNT	2-DH5	Ant1	2479.075	2480.076	1.001	0.856	Pass
NVNT	3-DH5	Ant1	2402.008	2403.028	1.02	0.861	Pass
NVNT	3-DH5	Ant1	2441.016	2441.977	0.961	0.849	Pass
NVNT	3-DH5	Ant1	2479.026	2480.026	1	0.855	Pass







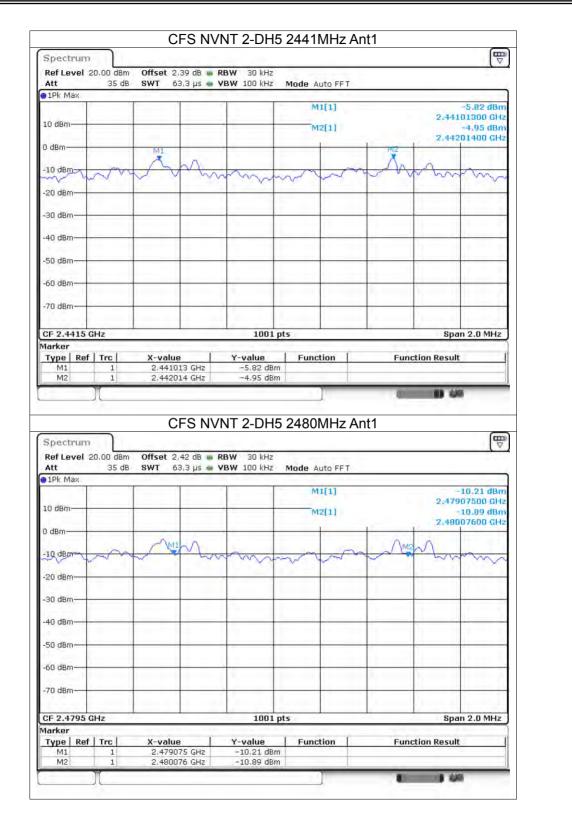
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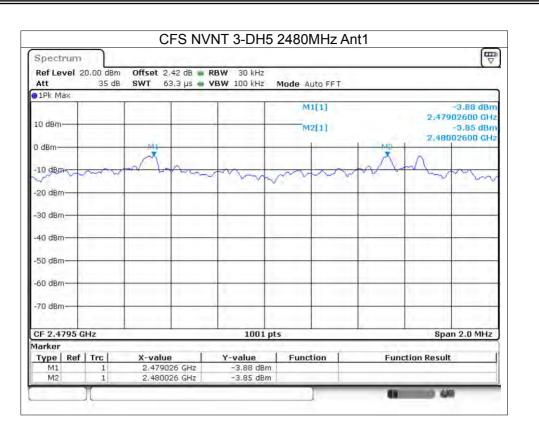












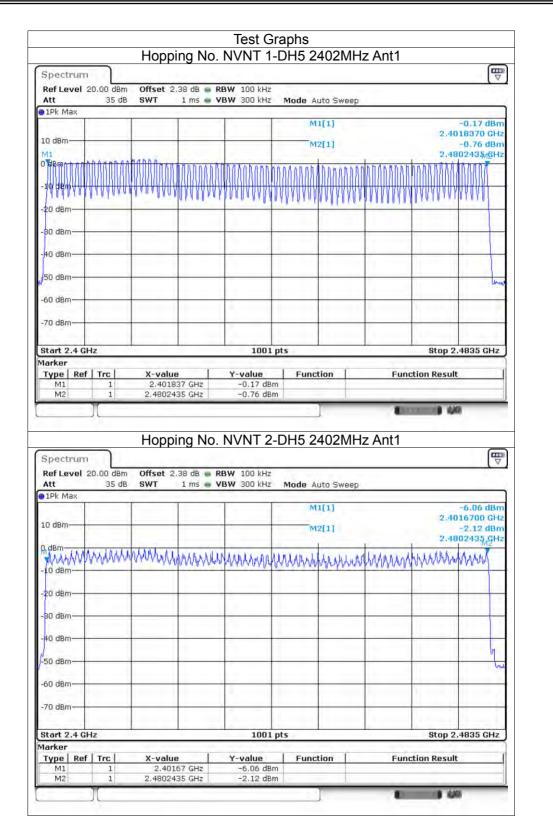




8.6 NUMBER OF HOPPING CHANNEL

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







Certificate #4298.01

Spectrum										₽
Ref Level				RBW 100 kHz		and share			-	
Att 1Pk Max	35 dE	SWT	1 ms 🖷 🕻	/BW 300 kHz	Mode A	uto Sweep	Ç.			-
10 dBm						1[1]			-5.28 d 15865 (-5.22 d 04940 (GHz Bm
	WANA	MANAMA	NAMAA	MAMMAN	MAYAMA	Manada	MANAAAAA	the weeks	MANA	1
-20 dBm	_		_							-
-30 dBm										
40 dBm					-			h 1		1
50 dBm	-									hen
-60 dBm	-									j.
Start 2.4 G	Hz			1001	pts		·	Stop 2	.4835 G	Hz
larker										
Type Ref M1 M2	1 1	X-value 2.401586 2.48049		Y-value -5.28 dB -5.22 dB		tion	Fund	tion Result	6	-



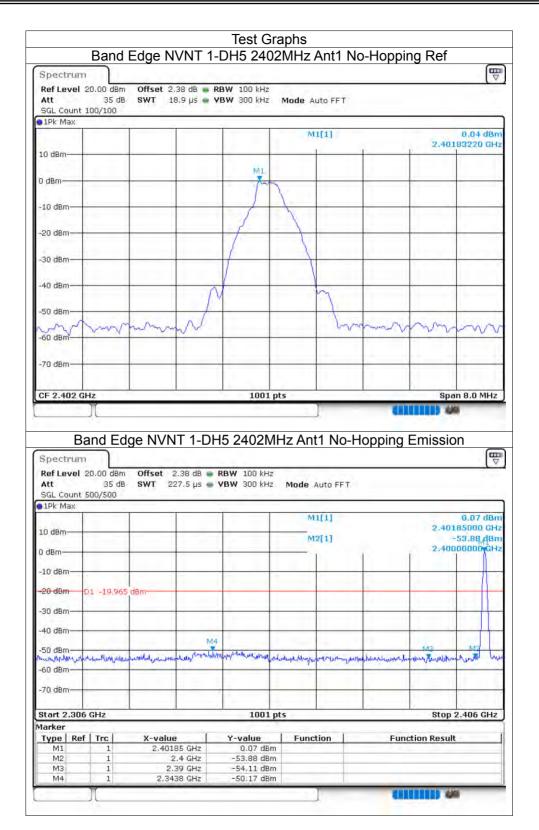


8.7 BAND EDGE

Condition	Mode	Frequency	Antenna	Hopping	Max Value	Limit	Verdict
		(MHz)		Mode	(dBc)	(dBc)	
NVNT	1-DH5	2402	Ant1	No-Hopping	-50.21	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-52.95	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-45.67	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-50.86	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-49.25	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-58.41	-20	Pass



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Spect	rum		11									E
Ref Le Att SGL Co		35	dB			RBW 100 kHz YBW 300 kHz		uto FFT				
01Pk M	ах	1.1.5			1	1	1					
							M	1[1]			2.47	0,11 dBr 999200 GH
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						N	1					
0 dBm-	-		- 1			r	al			-	-	
-10 dBr	_		_								·	
10 000							12			_		
-20 dBr	1-		-		-		1	-	-	-	-	
-30 dBr) (1						
-40 dBr		-										
ie api					1	~		5				
-S0 dBr	1	_	-	-			-		100	_		
m	m	m	n	m	h				mm	non	m	mm
-60 dBr	1	-				1						
-70 dBr								-		_	· · · · ·	
70 GDI							1	1				
											-	
CE 2 4	9 CH	2	- 11			1001	Inte					
CF 2.4	Ba	IC and I	Edg	e NVI	NT 1-D	1001 H5 24801	MHz An] t1 No	-Hoppi	ng E		on
Spect Ref Le Att	Ba rum vel 2	and I 20.00 c 35	Bm dB	Offset	2.42 dB 🖷		MHz An					on
Spect Ref Le	Ba rum vel 2 ount 1	and I 20.00 c 35	Bm dB	Offset	2.42 dB 🖷	H5 24801	MHz An					on
Spect Ref Le Att SGL Co	Ba rum vel 2 ount 1	and I 20.00 c 35	Bm dB	Offset	2.42 dB 🖷	H5 24801	VHz An ¹² ¹² Mode				Emissio	0.05 dBr
Spect Ref Le Att SGL Co 1Pk M	Ba rum vel 2 ount 1 ax	and I 20.00 c 35	Bm dB	Offset	2.42 dB 🖷	H5 24801	MHz An	Auto FF			Emissio 2.47	0.05 dBr
Spect Ref Le Att SGL Co 1Pk M	Ba rum vel 2 ount 1 ax	and I 20.00 c 35	Bm dB	Offset	2.42 dB 🖷	H5 24801	MHz An	Auto FF1	1		Emissic	0.05 dBr
Spect Ref Le Att SGL CO 1Pk M 10 dBm M1 0 dBm-	Ba rum vel 2 ount 1 ax	and I 20.00 c 35	Bm dB	Offset	2.42 dB 🖷	H5 24801	MHz An	Auto FF	1		Emissic	0.05 dBr 985000 GH -55.05 dBr
Spect Ref Le Att SGL Co 1Pk M 10 dBm M1 0 dBm- -10 dBr	Ba rum vel 2 ount 1 ax	20.00 d 35	Bm dB)	Offset SWT 2	2.42 dB 🖷	H5 24801	MHz An	Auto FF	1		Emissic	0.05 dBr 985000 GH -55.05 dBr
Spect Ref Le Att SGL CO 1Pk M 10 dBm M1 0 dBm-	Ba rum vel 2 ount 1 ax	and I 20.00 c 35	Bm dB)	Offset SWT 2	2.42 dB 🖷	H5 24801	MHz An	Auto FF	1		Emissic	0.05 dBr 985000 GH -55.05 dBr
Spect Ref Le Att SGL Co 1Pk M 10 dBm M1 0 dBm- -10 dBr	Ba rum vel 2 2 0 unt 1 ax	20.00 d 35	Bm dB)	Offset SWT 2	2.42 dB 🖷	H5 24801	MHz An	Auto FF	1		Emissic	0.05 dBr 985000 GH -55.05 dBr
Spect Ref Le Att SGL CA 1Pk M 10 dBm M1 0 dBm- -10 dBm -20 cBr	Ba rum vel 2 ount 1	20.00 d 35	Bm dB)	Offset SWT 2	2.42 dB 🖷	H5 24801	MHz An	Auto FF	1		Emissic	0.05 dBr 985000 GH -55.05 dBr
Spect Ref Le Att SGL Co 1Pk M 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm	Ba rum vel 2 bount 1 ax	20.00 d 35	891 d	Offset SWT 2	2.42 dB 227.5 µs	H5 24801	MHz An	Auto FF1	r		2.474 2.484	0.05 dBr 985000 GH -55.05 dBr 350000 GH
Spect Ref Le Att SGL CC 1Pk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm	Ba rum vel 2 ount 1 ount 1	20.00 d 35	891 d	Offset SWT 2	2.42 dB 227.5 µs	H5 24801	MHz An	Auto FF1	r		2.474 2.484	0.05 dBr 985000 GH -55.05 dBr 350000 GH
Spect Ref Le Att SGL Co 1Pk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm	Ba rum vel 2 ount 1 ount 1	and I 200.00 c 35 35 35 90 100/100	891 d	Offset SWT 2	2.42 dB 227.5 µs	H5 24801	MHz An	Auto FF1	r		2.474 2.484	0.05 dBr 985000 GH -55.05 dBr 350000 GH
Spect Ref Le Att SGL CC 1Pk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm	Barum rum vel 2 bunt 1 ax	and I 200.00 c 35 35 35 90 100/100	891 d	Offset SWT 2	2.42 dB 227.5 µs	H5 24801	MHz An	Auto FF1	r		2.474 2.484	0.05 dBr 985000 GH -55.05 dBr 350000 GH
Spect Ref Le SGL CC 1Pk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Ba rum vel 2 Junt 1 Junt 1 Jun	and I 20.00 c 35 35 100/101	891 d	Offset SWT 2	2.42 dB 227.5 µs	H5 24801	MHz An	Auto FF1	r		2.474 2.483	0.05 dBr 985000 GH -55.05 dBr 350000 GH
Spect Ref Le Att SGL CC 1Pk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2	Ba rum vel 2 Junt 1 Junt 1 Jun	and I 20.00 c 35 35 100/101	891 d	Offset SWT 2	2.42 dB 227.5 µs	H5 24801	MHz An	Auto FF1	r		2.474 2.483	0.05 dBr 985000 GH -55.05 dBr 350000 GH
Spect Ref Le Att SGL Co IPk M 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Ba rum vel 2 ax	and I 20.00 c 35 35 100/100 01 -19, 	891 d	Offset SWT 2	2.42 dB 227.5 µs	H5 24801	MHz An	Auto FF1	r	miling	2.474 2.483	0.05 dBr 985000 GH -55.05 dBr -55.05 dBr
Spect Ref Le Att SGL CO IPk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2 Marker Type M1	Ba rum vel 2 ax	and I 20.00 c 35 35 100/10/10/10/10 001 -19, 01 -19, 0	891 d	Offset SWT 2 Bm Mission X-valu 2.475	2.42 dB 227.5 µs	H5 24801	MHz An	Auto FF1	r	miling	Emissic 2.47 2.48	0.05 dBr 985000 GH -55.05 dBr -55.05 dBr
Spect Ref Le Att SGL Co IPk M 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -	Ba rum vel 2 ax	and I 20.00 c 35 100/100 01 -19. GHz I Trc 1 1 1 1	891 d	Offset SWT 2 Bm M4 X-valu 2.475 2.46	2.42 dB 227.5 µs 227.5 µs 27.5 µs 27.5 µs 27.5 µs 27.5 µs	H5 24801	MHz An	Auto FF1	r	miling	Emissic 2.47 2.48	0.05 dBr 985000 GH -55.05 dBr -55.05 dBr
Spect Ref Le Att SGL CC IPk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -	Ba rum vel 2 ax	and I 20.00 c 35 35 100/10/ 	891 d	Offset SWT 2 Bm M4 X-valu 2.475 2.46	2.42 dB 227.5 μs 4 4 4 4 4 4 4 4 4 4 4 4 4	H5 24801	MHz An	Auto FF1	r	miling	Emissic 2.47 2.48	0.05 dBr 985000 GH -55.05 dBr -55.05 dBr



Spectrum Ref Level 20.00 d	IBm Offset 2.38		// 100 LU->	_			[₩ V
Att 35	dB SWT 18.9			Mode Auto FF	т		
SGL Count 100/10 1Pk Max	0				C		
ALL DINGO		Ĩ		M1[1]		-	-4.41 dBn
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			1.000				1.000
Band I Spectrum Ref Level 20.00 d		38 dB 🖷 RB	W 100 kHz	Iz Ant1 N			an 8.0 MHz DN
Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100	IBm Offset 2.3 dB SWT 227	38 dB 🖷 RB	2402MH				on
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100	IBm Offset 2.3 dB SWT 227	38 dB 🖷 RB	2402MH	Iz Ant1 N			on
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max	IBm Offset 2.3 dB SWT 227	38 dB 🖷 RB	2402MH	Iz Ant1 N Mode Auto F M1[1]		Emissio	-2.15 dBn 195000 GH:
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm	IBm Offset 2.3 dB SWT 227	38 dB 🖷 RB	2402MH	Iz Ant1 N		Emissio	on (₩ -2.15 dBn
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm	IBm Offset 2.3 dB SWT 227	38 dB 🖷 RB	2402MH	Iz Ant1 N Mode Auto F M1[1]		Emissio	-2.15 dBn 195000 GH -56.24 dBn
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm 0 dBm	IBm Offset 2.3 dB SWT 227	38 dB 🖷 RB	2402MH	Iz Ant1 N Mode Auto F M1[1]		Emissio	-2.15 dBn 195000 GH -56.24 dBn
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm D1 -24.	IBm Offset 2.3 dB SWT 227	38 dB 🖷 RB	2402MH	Iz Ant1 N Mode Auto F M1[1]		Emissio	-2.15 dBn 195000 GH -56.24 dBn
Band I Spectrum Ref Level 20.00 c Att 35 SGL Count 100/100 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm	IBm Offset 2.3 dB SWT 227 0	38 dB 🖷 RB	2402MH	Iz Ant1 N Mode Auto F M1[1]		Emissio	-2.15 dBn 195000 GH -56.24 dBn
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm	IBm Offset 2.3 dB SWT 227 0	38 dB • RB .5 μs • VB	2402MH	Iz Ant1 N Mode Auto F M1[1] M2[1]	FT	2.40 2.40	-2.15 dBn 195000 GH -56.24 dBn 000000 GH
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	IBm Offset 2.3 dB SWT 227 0 412 dBm	38 dB • RB .5 μs • VB	2402MH	Iz Ant1 N Mode Auto F M1[1] M2[1]	FT	2.40 2.40	-2.15 dBn 195000 GH -56.24 dBn 000000 GH
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -20 dBm	IBm Offset 2.3 dB SWT 227 0	38 dB • RB .5 μs • VB	2402MH	Iz Ant1 N Mode Auto F M1[1] M2[1]		2.40 2.40	-2.15 dBn 195000 GH -56.24 dBn 000000 GH
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	IBm Offset 2.3 dB SWT 227 0 412 dBm	38 dB • RB .5 μs • VB	2402MH	Iz Ant1 N Mode Auto F M1[1] M2[1]	FT	2.40 2.40	-2.15 dBn 195000 GH -56.24 dBn 000000 GH
Band I Spectrum Ref Level 20.00 cd Att 35 SGL Count 100/100 • IPk Max • IPk Max • ID dBm • 0 dBm -10 dBm -20 dBm -20 dBm -50 dBm -50 dBm -70 dBm	IBm Offset 2.3 dB SWT 227 0 412 dBm	38 dB • RB .5 μs • VB	2402MH	Iz Ant1 N Mode Auto F M1[1] M2[1]	FT	2.400	-2.15 dBn 195000 GH -56.24 dBn 000000/GH
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	IBm Offset 2.3 dB SWT 227 0 412 dBm	38 dB • RB .5 μs • VB	2402MH	Mode Auto F MI[1] M2[1]	FT	2.400 2.400	-2.15 dBn 195000 GH -56.24 dBn 00000 GH
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -50 dBm -50 dBm	IBm Offset 2.3 dB SWT 227 0 412 dBm	38 dB • RB .5 μs • VB 	2402MH	Iz Ant1 N Mode Auto F M1[1] M2[1]	FT	2.400	-2.15 dBn 195000 GH -56.24 dBn 00000 GH
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm	IBm Offset 2.3 dB SWT 227 0 412 dBm 412 dBm 41	38 dB = RB .5 μs • VB (M4. (m)/ ^{(Um]} um/m 5 GHz + GHz	2402MH	Mode Auto F MI[1] M2[1]	FT	2.400 2.400	-2.15 dBn 195000 GH -56.24 dBn 00000 GH
Band I Spectrum Ref Level 20.00 d Att 35 SGL Count 100/100 IPk Max 10 dBm 10 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -70 dBm	IBm Offset 2.3 dB SWT 227 0 412 dBm 412 dBm 41	38 dB • RB .5 μs • VB	2402MH	Mode Auto F MI[1] M2[1]	FT	2.400 2.400	-2.15 dBn 195000 GH -56.24 dBn 00000 GH

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Spectrum		v		-DH5 248		-		•	E
Ref Level : Att SGL Count	20.00 dBm 35 dB			RBW 100 kHz VBW 300 kHz	Mode A	uto FFT			
1Pk Max	100/100								-
					M	1[1]		-	-1,39 dBm
LO dBm						1	r	2.479	199200 GH2
LO UDIII			-						
) dBm				M					
				ant	him				
10 dBm		-		Fu	1				
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				1 m m		1.000			1.000
70 dBm		-			_				-
									1.000
CF 2.48 GH	7		_	1001	nts		-	Sna	n 8.0 MHz
		ge NVN	T 2-Dł	H5 2480N] :1 No-H	opping	Emissio	
Spectrum Ref Level : Att	20.00 dBm 35 dB	Offset 2	.42 dB 📦		1Hz Ant		opping	Emissio	
Spectrum Ref Level : Att SGL Count	20.00 dBm 35 dB	Offset 2	.42 dB 📦	H5 2480N	1Hz Ant		opping	Emissic	
Spectrum Ref Level : Att SGL Count	20.00 dBm 35 dB	Offset 2	.42 dB 📦	H5 2480N	1Hz Ant		opping		-1.98 dBm
Spectrum Ref Level 3 Att SGL Count 1Pk Max	20.00 dBm 35 dB	Offset 2	.42 dB 📦	H5 2480N	1Hz Ant Mode	Auto FFT	opping	2.480	₽
Spectrum Ref Level 3 Att SGL Count 11Pk Max	20.00 dBm 35 dB	Offset 2	.42 dB 📦	H5 2480N	1Hz Ant Mode	Auto FFT.	opping	2.480	-1.98 dBm 015000 GHz
Spectrum Ref Level : Att SGL Count IPk Max	20.00 dBm 35 dB	Offset 2	.42 dB 📦	H5 2480N	1Hz Ant Mode	Auto FFT	opping	2.480	-1.98 dBm 015000 GHz -54.71 dBm
Spectrum Ref Level : Att SGL Count IPk Max	20.00 dBm 35 dB	Offset 2	.42 dB 📦	H5 2480N	1Hz Ant Mode	Auto FFT	opping	2.480	-1.98 dBm 015000 GHz -54.71 dBm
Spectrum Ref Level : Att SGL Count 1Pk Max .D dBm .D dBm 1D dBm	20.00 dBm 35 dB	Offset 22 SWT 22	.42 dB 📦	H5 2480N	1Hz Ant Mode	Auto FFT	opping	2.480	-1.98 dBm 015000 GHz -54.71 dBm
Spectrum Ref Level 3 Att SGL Count 1Pk Max 0 dBm 0 dBm 10 dBm 20 cBm	20.00 dBm 35 dB 100/100	Offset 22 SWT 22	.42 dB 📦	H5 2480N	1Hz Ant Mode	Auto FFT	opping	2.480	-1.98 dBm 015000 GHz -54.71 dBm
Spectrum Ref Level 3 Att SGL Count 1Pk Max 0 dBm 10 dBm 20 cBm 30 dBm	20.00 dBm 35 dB 100/100	Offset 22 SWT 22	.42 dB 📦	H5 2480N	1Hz Ant Mode	Auto FFT	opping	2.480	-1.98 dBm 015000 GHz -54.71 dBm
Spectrum Ref Level 3 Att SGL Count 1Pk Max 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm	20.00 dBm 35 dB 100/100	Offset 22 SWT 22	.42 dB 📦	H5 2480N	1Hz Ant Mode	Auto FFT	opping	2.480	-1.98 dBm 015000 GHz -54.71 dBm
Spectrum Ref Level 3 Att SGL Count 1Pk Max 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm	20.00 dBm 35 dB 100/100	Offset 22 SWT 22	42 dB	H5 2480N RBW 100 kHz YBW 300 kHz	1Hz Ant	Auto FFT.		2.480	-1.98 dBm 015000 GHz 54.71 dBm 850000 GHz
Spectrum Ref Level 3 Att SGL Count 1Pk Max 0 dBm 1D dBm 20 dBm 30 dBm 40 dBm 50 dBm	20.00 dBm 35 dB 100/100	Offset 22 SWT 22	42 dB	H5 2480M	1Hz Ant	Auto FFT.		2.480	-1.98 dBm 015000 GHz 54.71 dBm 850000 GHz
Spectrum Ref Level 3 Att SGL Count 1Pk Max .0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 60 dBm	20.00 dBm 35 dB 100/100	Offset 22 SWT 22	42 dB	H5 2480N RBW 100 kHz YBW 300 kHz	1Hz Ant	Auto FFT.		2.480	-1.98 dBm 015000 GHz 54.71 dBm 850000 GHz
Spectrum Ref Level 3 Att SGL Count 10 dBm 10 dBm 20 dBm 20 dBm 40 dBm 40 dBm 40 dBm 50 dBm	20.00 dBm 35 dB 100/100	Offset 22 SWT 22	42 dB	H5 2480N RBW 100 kHz YBW 300 kHz	1Hz Ant	Auto FFT.		2.480	-1.98 dBm 015000 GHz 54.71 dBm 850000 GHz
Spectrum Ref Level 3 Att SGL Count 11Pk Max 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 70 dBm 31 dBm	20.00 dBm 35 dB 100/100	Offset 22 SWT 22	42 dB	H5 2480N RBW 100 kHz YBW 300 kHz	1Hz An1	Auto FFT.		2.480 2.483	-1.98 dBm 015000 GHz 54.71 dBm 850000 GHz
Spectrum Ref Level 3 Att SGL Count 1Pk Max 10 dBm 0 dBm 10 dBm 30 dBm 40 dBm 50 dBm 50 dBm 50 dBm 70 dBm 70 dBm 31 dBm	20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.42 dB .7.5 μs	H5 2480N	1Hz Ani	Auto FFT 1[1] 2[1]		2.480 2.483	-1.98 dBm 115000 GHz 54.71 dBm 550000 GHz
Spectrum Ref Level 3 Att SGL Count 1Pk Max 10 dBm 10 dBm 20 dBm 30 dBm 30 dBm 50 dBm 50 dBm 70 dBm 70 dBm 31 dBm 31 dBm 32 dBm 32 dBm 30 dBm 33 dBm 34 dBm 35 dBm 36 dBm 37 dBm 38 dBm 39 dBm 30 dBm	20.00 dBm 35 dB 100/100	Offset 2 SWT 22 dBm dBm	2.42 dB .7.5 μs	H5 2480N	1Hz Ani Mode / M M	Auto FFT 1[1] 2[1]		2.480 2.483	-1.98 dBm 015000 GHz 54.71 dBm 850000 GHz
Spectrum Ref Level 3 Att SGL Count 1Pk Max ID dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 70 dBm Start 2.476 larker M1 M2	20.00 dBm 35 dB 100/100 01 -21,391 4\/\www.ybd/s GHz GHz	Offset 2 SWT 22 dBm dBm <u>M2</u> <u>x+value</u> 2.480 2.480	2.42 dB 7.5 μs 	H5 2480N	1Hz Ant	Auto FFT 1[1] 2[1]		2.480 2.483	-1.98 dBm 015000 GHz 54.71 dBm 850000 GHz
Spectrum Ref Level 3 Att SGL Count IPK Max ID dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 40 dBm 50 dBm 70 dBm Start 2.476 Jarker Type Ref	20.00 dBm 35 dB 100/100 01 -21.391 4\/\u	Offset 2 SWT 22 dBm dBm <u>M2</u> rmMJw/why z.480 2.480 2.480 2.480	2.42 dB 77.5 µs	H5 2480N RBW 100 kHz VBW 300 kHz 100	1Hz Ani Mode / M M M M M	Auto FFT 1[1] 2[1]		2.480 2.483	-1.98 dBm 015000 GH2 54.71 dBm 850000 GH2

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Ref Level Att	l 20.00 dBm 35 dB			BW 100 kHz BW 300 kHz	Mode A	uto FFT			
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E Spectrui Ref Level Att SGL Coun	Band Ed	Offset 2	2.38 dB 📦 F	5 2402N	1Hz Ant				'n
E Spectrui Ref Level Att SGL Coun	Band Ed	Offset 2	2.38 dB 📦 F	5 2402N	1Hz Ant	Auto FFT		Emissio	n (₩
E Spectrui Ref Level Att SGL Coun 1Pk Max	Band Ed	Offset 2	2.38 dB 📦 F	5 2402N	1Hz Ant			Emissio	'n
E Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm-	Band Ed	Offset 2	2.38 dB 📦 F	5 2402N	1Hz Ant	Auto FFT		Emissio	-2.68 dBm 15000 GH2 55.19 dBm
E Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm-	Band Ed	Offset 2	2.38 dB 📦 F	5 2402N	1Hz Ant	Auto FFT.		Emissio	n (₩ ▽ -2.68 dBm 15000 GHz
E Spectrun Ref Level Att SGL Coun) IPk Max 10 dBm	Band Ed	Offset 2	2.38 dB 📦 F	5 2402N	1Hz Ant	Auto FFT.		Emissio	-2.68 dBm 15000 GH2 55.19 dBm
E Spectrur Ref Level Att SGL Coun IPk Max 10 dBm 0 dBm	Band Ed m I 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB 📦 F	5 2402N	1Hz Ant	Auto FFT.		Emissio	-2.68 dBm 15000 GH2 55.19 dBm
E Spectrui Ref Level Att SGL Coun 10 dBm- 0 dBm- -10 dBm- -20 dBm-	Band Ed	Offset 2 SWT 22	2.38 dB 📦 F	5 2402N	1Hz Ant	Auto FFT.		Emissio	-2.68 dBm 15000 GH2 55.19 dBm
E Spectrui Ref Level Att SGL Coun 10 dBm- 0 dBm- -10 dBm- -20 dBm-	Band Ed m I 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB 📦 F	5 2402N	1Hz Ant	Auto FFT.		Emissio	-2.68 dBm 15000 GH2 55.19 dBm
E Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm	Band Ed m I 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB 📦 F	5 2402M	1Hz Ant	Auto FFT.		Emissio	-2.68 dBm 15000 GH2 55.19 dBm
E Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm	Band Ed m I 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB F 27.5 μs N	5 2402M	1Hz Ant	Auto FFT.		Emissio 2.402 2.400	-2.68 dBm 15000 GH: 55.19 dBm 06000%GH:
E Spectrum Ref Level Att SGL Coun 10 dBm	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -21,940	Offset 2 SWT 22	2.38 dB 📦 F	5 2402M	1Hz Ant	Auto FFT.		Emissio 2.402 2.400	-2.68 dBm 15000 GH: 55.19 dBm 06000%GH:
E Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -50 dBm-	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -21,940	Offset 2 SWT 22	2.38 dB F 27.5 μs N	5 2402M	1Hz Ant	Auto FFT.		Emissio 2.402 2.400	-2.68 dBm 15000 GH: 55.19 dBm 06000%GH:
E Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -50 dBm-	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -21,940	Offset 2 SWT 22	2.38 dB F 27.5 μs N	5 2402M	1Hz Ant	Auto FFT.		Emissio 2.402 2.400	-2.68 dBm 15000 GH: 55.19 dBm 06000%GH:
E Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm	D1 -21,940	Offset 2 SWT 22	2.38 dB F 27.5 μs N	5 2402M	Mode /	Auto FFT.		2.400	-2.68 dBm 15000 GH: 55.19 dBm 06000%GH:
E Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm- -0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- -70 dBm- -70 dBm- -70 dBm-	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -21,940 Marian Million	dBm	2.38 dB F 27.5 μs N	5 2402M	1Hz Ant Mode	Auto FFT. 1[1] 2[1]	4/5-18+19+2,1-4/3/6/2*9/8	2.402 2.402 2.400	-2.68 dBm 15000 GH2 55.19 dBm 06000%GH2
E Spectrum Ref Level Att SGL Coun 10 dBm	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -21,940 Marian Million	Offset 2 SWT 22 dBm ummig.go.dk	2.38 dB F 27.5 μs N	5 2402M	1Hz Ant Mode س M س س س س س س س س س س س س س س س س س س	Auto FFT. 1[1] 2[1]	4/5-18+19+2,1-4/3/6/2*9/8	2.400	-2.68 dBm 15000 GH2 55.19 dBm 06000%GH2
E Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm- -10 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -30 dBm- -50 dBm- -70 dBm	Band Ed m 1 20.00 dBm 35 dB t 100/100 D1 -21,940 M	Offset 2 SWT 22 dBm dBm www.ny.org.ord x-value 2.402 2	2.38 dB F F 27.5 μs N	5 2402N	1Hz Ani	Auto FFT. 1[1] 2[1]	4/5-18+19+2,1-4/3/6/2*9/8	2.402 2.402 2.400	-2.68 dBm 15000 GH2 55.19 dBm 06000%GH2
Spectruit Ref Level Att SGL Coun 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -60 dBm -70 dBm Start 2.30 M1	Band Ed m I 20.00 dBm 35 dB t 100/100 D1 -21,940 Market Mulunuu D6 GHz ef Trc 1	Offset 2 SWT 22 dBm dBm 	2.38 dB F 27.5 μs N	5 2402M	1Hz Ani 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]	4/5-18+19+2,1-4/3/6/2*9/8	2.402 2.402 2.400	-2.68 dBm 15000 GH2 55.19 dBm 06000%GH2



Spectrur	n								R
Ref Level Att SGL Count	25 dB			BW 100 kHz BW 300 kHz		uto FFT			
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0 dBm	· · · · · ·			N	11			2,48	004800 GH
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Spectrur	JC Band Ed	Offset 2	2.42 dB 🝙 F	5 2480N	z		opping	Emissio	
Spectrur Ref Level Att SGL Count	Band Ed	Offset 2	2.42 dB 🝙 F	RBW 100 kHz	z		opping	Emissic	on (T
Spectrur Ref Level Att SGL Count 1Pk Max	Band Ed	Offset 2	2.42 dB 🝙 F	RBW 100 kHz	z z Mode /		opping		-1.69 dBr
Spectrur Ref Level Att SGL Count 1Pk Max	Band Ed	Offset 2	2.42 dB 🝙 F	RBW 100 kHz	z Mode /	Auto FFT.	opping	2.48	Ţ
Spectrur Ref Level Att SGL Count 1Pk Max	Band Ed	Offset 2	2.42 dB 🝙 F	RBW 100 kHz	z Mode /	Auto FFT.	opping	2.480	-1.69 dBr 015000 GH
Spectrur Ref Level Att	Band Ed	Offset 2 SWT 22	2.42 dB 🝙 F	RBW 100 kHz	z Mode /	Auto FFT.	opping	2.480	-1.69 dBr 015000 GH -63.19 dBr
Spectrur Ref Level Att SGL Count IPk Max O dBm -10 dBm -20 dBm	Band Ed	Offset 2 SWT 22	2.42 dB 🝙 F	RBW 100 kHz	z Mode /	Auto FFT.	opping	2.480	-1.69 dBr 015000 GH -63.19 dBr
Spectrur Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm	Band Ed	Offset 2 SWT 22	2.42 dB 🝙 F	RBW 100 kHz	z Mode /	Auto FFT.	opping	2.480	-1.69 dBr 015000 GH -63.19 dBr
Spectrur Ref Level Att SGL Count IPk Max O dBm -10 dBm -20 dBm	Band Ed	Offset 2 SWT 22	2.42 dB 🝙 F	RBW 100 kHz	z Mode /	Auto FFT.	opping	2.480	-1.69 dBr 015000 GH -63.19 dBr
Spectrur Ref Level Att SGL Count 1Pk Max 0 dBm 10 dBm 20 dBm 	Band Ed	Offset 2 SWT 22	2.42 dB 🝙 F	RBW 100 kHz	z Mode /	Auto FFT.	opping	2.480	-1.69 dBr 015000 GH -63.19 dBr
Spectrur Ref Level Att SGL Count 1Pk Max 0 dBm 10 dBm 20 dBm 	Band Ed	Offset 2 SWT 22	2.42 dB F 7.5 μs F	28 100 kHz 78 300 kHz	z Mode / M	Auto FFT		2.48(-1.69 dBr 015000 GH -63.19 dBr 350000 GH
Spectrur Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -50 dBm	Band Ed	Offset 2 SWT 22	2.42 dB F 7.5 μs F	RBW 100 kHz	z Mode / M	Auto FFT		2.48(-1.69 dBr 015000 GH -63.19 dBr 350000 GH
Spectrur Ref Level Att SGL Count 1Pk Max 0 d8m	Band Ed	Offset 2 SWT 22	2.42 dB F 7.5 μs F	28 100 kHz 78 300 kHz	z Mode / M	Auto FFT		2.48(-1.69 dBr 015000 GH -63.19 dBr 350000 GH
Spectrur Ref Level Att SGL Count 1Pk Max 0 d8m	Band Ed	Offset 2 SWT 22	2.42 dB F 7.5 μs F	28 100 kHz 78 300 kHz	z Mode / M	Auto FFT		2.48(-1.69 dBr 015000 GH -63.19 dBr 350000 GH
Spectrur Ref Level Att SGL Count 1Pk Max 0 d8m -10 d8m -20 d8m -30 d8m -40 d8m -50 d8m -50 d8m -50 d8m -50 d8m -70 d8m -70 d8m	M4	Offset 2 SWT 22	2.42 dB F 7.5 μs F	28 100 kHz 78 300 kHz	2 Mode / M M M	Auto FFT		2.481 2.483	-1.69 dBr 015000 GH -63.19 dBr 350000 GH
Spectrur Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -80 dBm -80 dBm -70 dBm -80 dBm	Band Ed 10.00 dBm 25 dB 100/100 01 -22.290 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	Offset 2 SWT 22	2.42 dB F 7.5 μs N	28 100 kHz 78 300 kHz	z Mode / M M M	Auto FFT	Unuproved	2.481 2.483 1	-1.69 dBr 015000 GH -63.19 dBr 350000 GH
Spectrur Ref Level Att SGL Count 1Pk Max 0 d8m -20 d8m -20 d8m -30 d8m -40 d8m -50 d8m -50 d8m -70 d8m -80 d8m -70 d8m -80 d8m -70 d8m	Band Ed 10.00 dBm 25 dB 100/100 01 -22.290 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	Offset 2 SWT 22	2.42 dB F 7.5 μs N	200 kHz	z Mode / M M M M	Auto FFT	Unuproved	2.481 2.483	-1.69 dBr 015000 GH -63.19 dBr 350000 GH
Spectrur Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -80 dBm -80 dBm -70 dBm -80 dBm -70 dBm -80 dBm -80 dBm -80 dBm	Band Ed	Offset 2 SWT 22 dBm dBm M0 typyth/wwy X-value 2.480 2.480	2.42 dB F F 27.5 μs N	200 kHz 200	2 Mode / M M M M M M M M M M M M M	Auto FFT	Unuproved	2.481 2.483 1	-1.69 dBr 015000 GH -63.19 dBr 350000 GH
Spectrur Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -60 dBm -70 dBm -80 dBm -70 dBm -80 dBm -70 dBm -70 dBm -80 dBm -70 dBm -80 dBm -70 dBm -70 dBm -80 dBm -80 dBm	Band Ed 10.00 dBm 25 dB 100/100 D1 -22.280 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	Offset 2 SWT 22 dBm dBm M0 W0 W0 W0 W0 W0 W0 W0 W0 W0 W0 W0 W0 W0	2.42 dB F F 27.5 μs F S S S S S G M S S G Hz S S G Hz	RBW 100 kHz /BW 300 kHz /May/ULa/um/24 1001 Y-value -1.69 dBr	2 2 Mode / M M M M M M M M M M M M	Auto FFT	Unuproved	2.481 2.483 1	-1.69 dBr 015000 GH -63.19 dBr 350000 GH



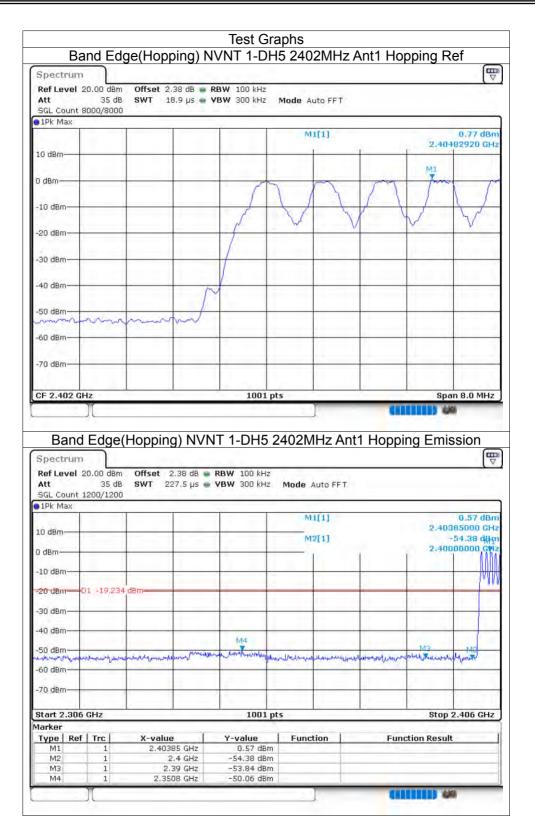


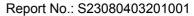
8.8 BAND EDGE(HOPPING)

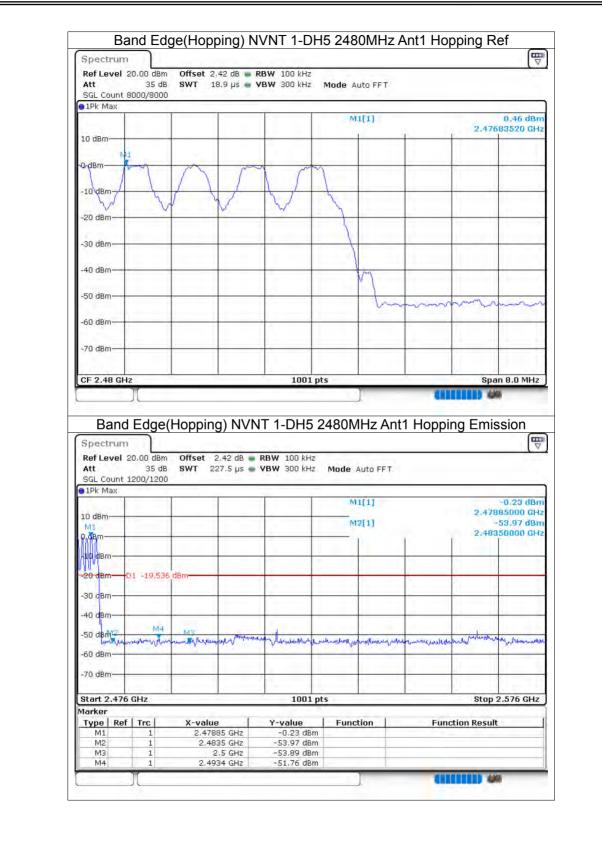
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-50.83	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-52.21	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-47.36	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-50.37	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-48.77	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-50.5	-20	Pass



ACCREDITED Certificate #4298.01



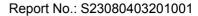




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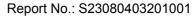


Ref Level	20.00 dBm 35 dB				Sec. 20				
Att SGL Count {			µs 🖷 Vi	BW 300 kHz	Mode Au	to FF1			
1Pk Max		1 1		()			_	_	0.05.40
1.00			2		MI	[1]		2,40	-2,35 dB 199200 GH
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-10 dBm								w	V
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-60 dBm	- 0.3		_						
-70 dBm							-	-	
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CF 2.402 GI				1001	ntc				an 8.0 MH
	ル Edge	(Hopping) Offset 2.38			2402MI	Hz Ant	1 Hoppi		8
Band	Edge	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI	30.701	1 Hoppi		ssion
Band Spectrum Ref Level 3 Att	Edge	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI Mode Au	uto FFT.	1 Hoppi		ssion
Band Spectrum Ref Level 2 Att SGL Count :	Edge	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI Mode A(uto FFT.	1 Hoppi	ng Emis 2.403	-3.81 dB
Band Spectrum Ref Level 2 Att SGL Count 1 9 IPk Max 10 dBm	Edge	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI Mode Au	uto FFT.	1 Hoppi	ng Emis 2.403	-3.81 dB
Band Spectrum Ref Level 2 Att SGL Count 2 9 1Pk Max 10 dBm 0 dBm	Edge	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI Mode A(uto FFT.	1 Hoppi	ng Emis 2.403	-3.81 dB 505000 G -55.30 dB
Band Spectrum Ref Level 2 Att SGL Count 2 • 1Pk Max 10 dBm 0 dBm -10 dBm	Edge	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI Mode A(uto FFT.	1 Hoppi	ng Emis 2.403	-3.81 dB 505000 G -55.30 dB
Band Spectrum Ref Level 2 Att SGL Count 2 SGL COUNT 2	Edge	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI Mode A(uto FFT.	1 Hoppi	ng Emis 2.403	-3.81 dB 505000 G -55.30 dB
Band Spectrum Ref Level 2 Att SGL Count 2 GIR Max 10 dBm 0 dBm -10 dBm -10 dBm	Edge 20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI Mode A(uto FFT.	1 Hoppi	ng Emis 2.403	-3.81 dB 505000 G -55.30 dB
Band Spectrum Ref Level 2 Att SGL Count 2 SGL COUNT 2	Edge 20.00 dBm 35 dB 1200/1200	Offset 2.38 SWT 227.	8 dB 📦 R	T 2-DH5	2402MI Mode A(uto FFT.	1 Hoppi	ng Emis 2.403	-3.81 dB 505000 G -55.30 dB
Band Spectrum Ref Level 2 Att SGL Count 2 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Edge 20.00 dBm 35 dB 1200/1200	Offset 2.36 SWT 227.3	8 dB R 5 μs V	T 2-DH5 RBW 100 kHz /BW 300 kHz	2402MI Mode Au M1	uto FFT		2.400 2.400	-3.81 dB 505000 G -55.30 dB 00000 G
Band Spectrum Ref Level 2 Att SGL Count 2 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Edge 20.00 dBm 35 dB 1200/1200	Offset 2.36 SWT 227.3	8 dB R 5 μs V	T 2-DH5 RBW 100 kHz /BW 300 kHz	2402MI Mode Au M1	uto FFT	1 Hoppi	2.400 2.400	-3.81 dB 505000 Gł -55.30 dB 100000 Gł
Band Spectrum Ref Level 2 Att SGL Count 2 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Edge 20.00 dBm 35 dB 1200/1200	Offset 2.36 SWT 227.3	8 dB R 5 μs V	T 2-DH5 RBW 100 kHz /BW 300 kHz	2402MI Mode Au M1	uto FFT		2.400 2.400	-3.81 dB 505000 Gł -55.30 dB 100000 Gł
Band Spectrum Ref Level 2 Att SGL Count 2 9 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	Edge 20.00 dBm 35 dB 1200/1200	Offset 2.36 SWT 227.3	8 dB R 5 μs V	M4	2402MI Mode A(M1 M2	uto FFT		2.400	-3.81 dB 505000 Gł 55.30 dB 100000 Gł
Band Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 ID dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm	Edge 20.00 dBm 35 dB 1200/1200	Offset 2.36 SWT 227.3	8 dB R 5 μs V	T 2-DH5 RBW 100 kHz /BW 300 kHz	2402MI Mode A(M1 M2	uto FFT		2.400	-3.81 dB 505000 Gł -55.30 dB 100000 Gł
Band Spectrum Ref Level 2 Att SGL Count 2 SGL Count 2	Edge 20.00 dBm 35 dB 1200/1200 01 -22,34 ¹ Mmmmm,MM GHz	Offset 2.30 SWT 227.	8 dB • R 5 μs • V	T 2-DH5	2402MI Mode Au M1 M2	uto FFT [1] [1]		2.400 2.400	-3.81 dB 505000 G -55.30 dB 00000 G -55.30 dB 00000 G -55.30 dB 00000 G -55.30 dB 00000 G -3.81 dB -55.30 dB 00000 G -3.81 dB -3.81 dB -3.
Band Spectrum Ref Level 2 Att SGL Count 2 SGL Count 2 Start 2.306 Marker	Edge 20.00 dBm 35 dB 1200/1200 01 -22.34	Offset 2.36 SWT 227.	8 dB R R 5 μs V	T 2-DH5	2402MI Mode Au M1 M2 M1 M2 M1 M2 M2 M1 M2 M1 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M1 M2 M1 M2 M2 M1 M2 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M2 M1 M2 M1 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto FFT [1] [1]		ng Emis 2.403 2.400	-3.81 dB 505000 G -55.30 dB 00000 G -55.30 dB 00000 G -55.30 dB 00000 G -55.30 dB 00000 G -3.81 dB -55.30 dB 00000 G -3.81 dB -3.81 dB -3.81 dB -3.81 dB -3.81 dB -55.30 dB -3.81 dB -3
Band Spectrum Ref Level 2 Att SGL Count 2 SGL Count 2	Edge 20.00 dBm 35 dB 1200/1200 01 -22,34 01 -22,34 GHz GHz 1	Offset 2.3 SWT 227.	8 dB R 5 μs V GHz GHz GHz GHz	M4 100 I 100 I 100 I Y-value -3.81 dBn	2402MI Mode Au M11 M2 M12 M2 M1 M2 M2 M1 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M1 M2 M2 M2 M1 M2 M2 M2 M1 M2 M2 M1 M2 M2 M2 M2 M2 M2 M2 M2 M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto FFT [1] [1]		ng Emis 2.403 2.400	-3.81 dB 505000 G -55.30 dB 00000 G -55.30 dB 00000 G -55.30 dB 00000 G -55.30 dB 00000 G -3.81 dB -55.30 dB 00000 G -3.81 dB -3.81 dB -3.

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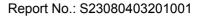




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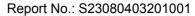


Spectrum	011 1 0 00 10					[
Att 35 dB	Offset 2.38 dB SWT 18.9 µs		Mode Auto F	FT		
SGL Count 8000/8000				20 m		
TPK Max		1	M1[1]			-1,38 dt
10 dBm				T.	2,40	399800 G
10 dbin						
0 dBm				ML	-	
		m	mynn	month	mon	mo
-10 dBm						1
-20 dBm					-	
6.2 ml (1 m						
-30 dBm-						
-40 dBm						
100	and a	M				1
-50 dBm	mmont					
-60 dBm		1				
-70 dBm						
			2			
CF 2.402 GHz						
Band Edge(Spectrum Ref Level 20.00 dBm		RBW 100 kHz	2402MHz			an 8.0 M⊦ ssion
Band Edge(NT 3-DH5 RBW 100 kHz	2402MHz			ssion
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB	Offset 2.38 dB	NT 3-DH5 RBW 100 kHz	2402MHz Mode Auto			ission (
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 1Pk Max	Offset 2.38 dB	NT 3-DH5 RBW 100 kHz	2402MHz Mode Auto		Ding Emi	-2.62 dt
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 PIPk Max 10 dBm	Offset 2.38 dB	NT 3-DH5 RBW 100 kHz	2402MHz Mode Auto		bing Emi	-2.62 dl
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 IPk Max 10 dBm 0 dBm	Offset 2.38 dB	NT 3-DH5 RBW 100 kHz	2402MHz Mode Auto		bing Emi	-2.62 di 595000 di -53.97 di 000000 di
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 • IPk Max 10 dBm 0 dBm -10 dBm	Offset 2.38 dB SWT 227.5 μs	NT 3-DH5 RBW 100 kHz	2402MHz Mode Auto		bing Emi	-2.62 dt
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 IPk Max 10 dBm 0 dBm	Offset 2.38 dB SWT 227.5 μs	NT 3-DH5 RBW 100 kHz	2402MHz Mode Auto		bing Emi	-2.62 di 595000 di -53.97 di 000000 di
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 • IPk Max 10 dBm 0 dBm -10 dBm	Offset 2.38 dB SWT 227.5 μs	NT 3-DH5 RBW 100 kHz	2402MHz Mode Auto		bing Emi	-2.62 dt
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 ID dBm 10 dBm -10 dBm -20 dBm 01 -21,382	Offset 2.38 dB SWT 227.5 µs dBm	NT 3-DH5 RBW 100 kHz	2402MHz Mode Auto		bing Emi	-2.62 dt
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 • IPk Max 10 dBm 0 dBm -10 dBm -20 dBm 01 -21,382 -30 dBm -40 dBm	Offset 2.38 dB SWT 227.5 µs	NT 3-DH5 RBW 100 kHz YBW 300 kHz	2402MHz Mode Auto M1[1] M2[1]	FF T	2.40	-2.62 dt
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm 01 -21,382 -30 dBm -40 dBm -50 dBm	Offset 2.38 dB SWT 227.5 µs	NT 3-DH5 RBW 100 kHz YBW 300 kHz	2402MHz Mode Auto	FF T	2.40 2.40	-2.62 dt 595000 G -53.97 dt 000000 G
Band Edge() Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 ID dBm 0 dBm 10 dBm 20 dBm 01 -21,382 -30 dBm -40 dBm -50 dBm -60 dBm	Offset 2.38 dB SWT 227.5 µs	NT 3-DH5 RBW 100 kHz YBW 300 kHz	2402MHz Mode Auto M1[1] M2[1]	FF T	2.40	-2.62 dt 595000 G -53.97 dt 000000 G
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm 01 -21,382 -30 dBm -40 dBm -50 dBm	Offset 2.38 dB SWT 227.5 µs	NT 3-DH5 RBW 100 kHz YBW 300 kHz	2402MHz Mode Auto M1[1] M2[1]	FF T	2.40	-2.62 dt
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 ID dBm 0 dBm -10 dBm -20 dBm -10 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm	Offset 2.38 dB SWT 227.5 µs	NT 3-DH5 RBW 100 kHz YBW 300 kHz	2402MHz Mode Auto M1[1] M2[1]	FF T	2.40 2.40	-2.62 dl 595000 G -53.97 dl 000000 G
Band Edge(Spectrum Ref Level 20.00 d8m Att 35 d8 SGL Count 1200/1200 ID d8m 10 d8m 0 d8m -10 d8m -20 d8m -30 d8m -40 d8m -50 d8m -70 d8m -70 d8m Start 2.306 GHz Marker	Offset 2.38 dB SWT 227.5 µs dBm	NT 3-DH5 RBW 100 kHz YBW 300 kHz	2402MHz Mode Auto M1[1] M2[1]	FF T	2.40 2.40	-2.62 dl 595000 c -53,97 dl 00000 c
Band Edge() Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.306 GHz Marker Type M1	Offset 2.38 dB SWT 227.5 µs dBm dBm x-value 2.40595 GHz	NT 3-DH5 RBW 100 kHz YBW 300 kHz VBW 300 kHz 1001 p 1001 p -2.62 dBm	2402MHz Mode Auto M1[1] M2[FF T	2.40 2.40 2.40	-2.62 dl 595000 G -53,97 dl 00000 G 00000 G 00000 G
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -70 dBm Start 2.306 GHz Marker Type Ref M1 1 M2 1 M3 1	Offset 2.38 dB SWT 227.5 µs SWT 227.5 µs dBm	NT 3-DH5 RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz VBW 300 kHz 100 kHz VBW 300 kHz VBW	2402MHz Mode Auto M1[1] M2[1]	FF T	2.40 2.40 2.40	-2.62 dl 595000 c -53,97 dl 00000 c
Band Edge(Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 1200/1200 ID dBm 0 dBm -10 dBm -20 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -70 dBm Start 2.306 GHz Marker Type Ref Trc M1 M2 1	Offset 2.38 dB SWT 227.5 µs dBm dBm X-value 2.40595 GHz 2.4 GHz	NT 3-DH5 RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz	2402MHz Mode Auto M1[1] M2[1]	FFT	2.40 2.40 2.40	-2.62 dl 595000 G -53,97 dl 000000 G 000000 G 000000 G 000000 G 000000 G 000000 G 000000 G 000000 G 000000 G 00000 G 100000 G 10000 G 10000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 1000000 G 1000000 G 1000000 G 1000000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 10000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000 G 100000 G 10000 G 100000 G 10000 G 100000 G 100000 G 100000 G 100000 G 100000 G 10000

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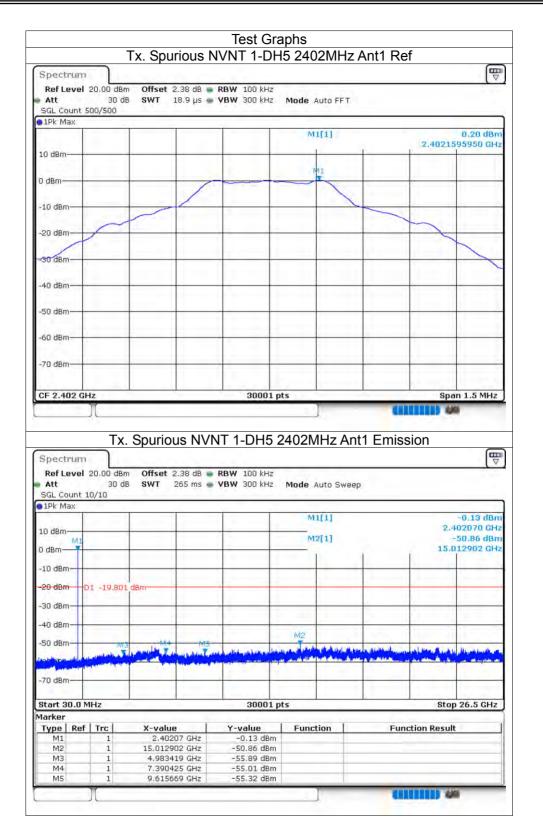
8.9 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-51.05	-20	Pass
NVNT	1-DH5	2441	Ant1	-46.28	-20	Pass
NVNT	1-DH5	2480	Ant1	-51.13	-20	Pass
NVNT	2-DH5	2402	Ant1	-48.96	-20	Pass
NVNT	2-DH5	2441	Ant1	-46.54	-20	Pass
NVNT	2-DH5	2480	Ant1	-49.61	-20	Pass
NVNT	3-DH5	2402	Ant1	-49.52	-20	Pass
NVNT	3-DH5	2441	Ant1	-35.06	-20	Pass
NVNT	3-DH5	2480	Ant1	-34.42	-20	Pass

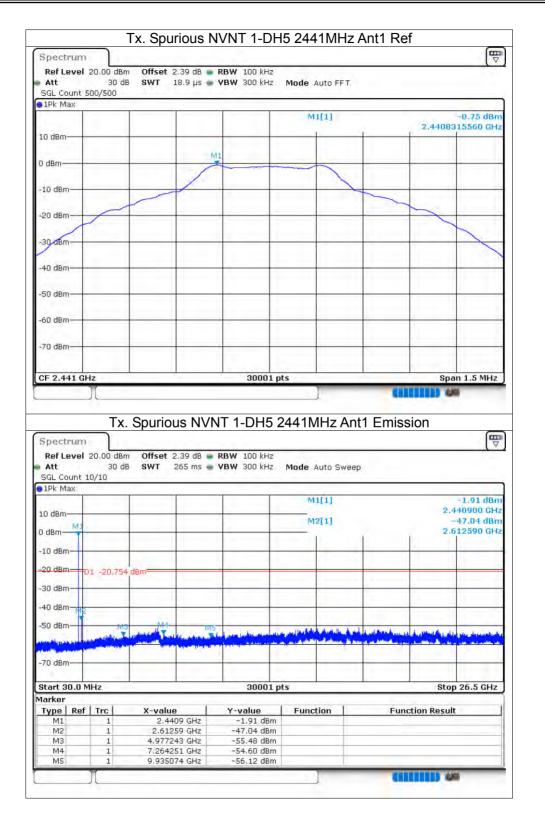


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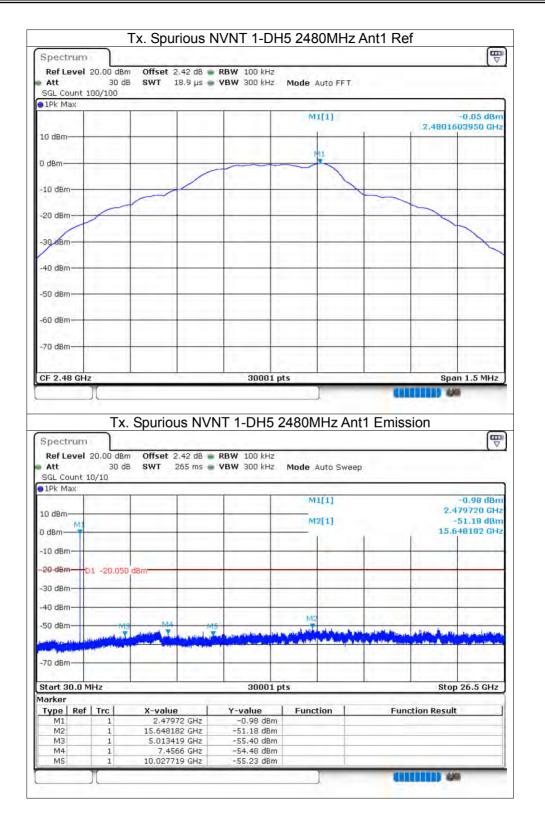
Report No.: S23080403201001













Spectrum		Second of					E □
		Offset 2.38 dB 🖷		SX + 10.11			
Att SGL Count 1		SWT 18.9 µs 🎃	VBW 300 kHz N	1ode Auto FFT			
1Pk Max	100/100	-					
				M1[1]			-1,17 dBm
10.40-				1		2.40199	81500 GHz
10 dBm							
0 dBm			MI				
		- /		~			
-10 dBm							
			1				
-20 dBm					-	1	1
			1				
-30 dBm			1 1				
-40 dBm							
is upin			· · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		1
-50 dBm					_		
-60 dBm					-		1 2
1.0							
-70 dBm							h
						1	1
CF 2.402 GH							
	Л Тх.	Spurious NV	30001 pts		t1 Emiss		in 1.5 MHz
Spectrum Ref Level	Tx. 20.00 dBm	Offset 2.38 dB 🖷	NT 2-DH5 24 RBW 100 kHz	l02MHz An			
Spectrum Ref Level Att	Tx. 20.00 dBm 30 dB		NT 2-DH5 24 RBW 100 kHz	l02MHz An			m 1.5 MHz
Spectrum Ref Level Att SGL Count 1	Tx. 20.00 dBm 30 dB	Offset 2.38 dB 🖷	NT 2-DH5 24 RBW 100 kHz	102MHz An			₩
Spectrum Ref Level Att SGL Count 1 1Pk Max	Tx. 20.00 dBm 30 dB	Offset 2.38 dB 🖷	NT 2-DH5 24 RBW 100 kHz	l02MHz An		sion	(₩ ▼ -4,11 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm-	Tx. 20.00 dBm 30 dB	Offset 2.38 dB 🖷	NT 2-DH5 24 RBW 100 kHz	102MHz An		sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm-	Tx. 20.00 dBm 30 dB	Offset 2.38 dB 🖷	NT 2-DH5 24 RBW 100 kHz	102MHz An Node Auto Swee		sion	-4,11 dBm 02070 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 0 dBm	Tx. 20.00 dBm 30 dB	Offset 2.38 dB 🖷	NT 2-DH5 24 RBW 100 kHz	102MHz An Node Auto Swee		sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 	Tx. Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	102MHz An Node Auto Swee		sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	Tx. Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	102MHz An Node Auto Swee		sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	Tx. Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	102MHz An Node Auto Swee		sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm 20 dBm -10 dBm -30 dBm -40 dBm	Tx. Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	102MHz An Node Auto Swee		sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm	Tx. Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	102MHz An Node Auto Swee		sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm M2	Tx. Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	102MHz An 10de Auto Swee M1[1]		sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -10 dBm -30 dBm -30 dBm -30 dBm -40 dBm -50	Tx. Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	102MHz An 10de Auto Swee M1[1]	p	sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 0 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -10 dBm	Tx. Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	102MHz An 10de Auto Swee M1[1]	p	sion	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 0 dBm 10 dBm -10 dBm -30 dBm -30 dBm -30 dBm -40 dBm -40 dBm -70 dBm -70 dBm	Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24 RBW 100 kHz	M1[1]	p	2.4 84	-4,11 dBm Ю2070 GHz 50.14 dBm 48.805 MHz
Spectrum Ref Level Att SGL Count 1 IPK Max ID dBm 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm M2 -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Tx. 20.00 dBm 30 dE 10/10	Offset 2.38 dB SWT 265 ms	NT 2-DH5 24	M1[1]	p	2.4 84	-4,11 dBm 92070 GHz 50,14 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -	Tx. 20.00 dBm 30 dE 10/10 01 -21.165 M9 M4 M4 1 Trc	dBm M4 M5 X-value [NT 2-DH5 24	M1[1]		2.4 84	-4,11 dBm Ю2070 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max ID dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -20 dBm -20 dBm -30 dBm -40 dBm -70	Tx. 20,00 dBm 30 dE 10/10 21 -21,165 21 -21,	Offset 2.38 dB SWT 265 ms dBm	NT 2-DH5 24	MI[1] M2[1]		Sion 2.4 Bi decident for the stop	-4,11 dBm Ю2070 GHz
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -30 dBm -30 dBm -40 dBm -70 dBm Start 30.0 M Marker Type Ref M1 M2 M3	Tx. 20,00 dBm 30 dE 10/10 01 -21,165	Offset 2.38 dB SWT 265 ms SWT 265 ms dBm	NT 2-DH5 24	MI[1] M2[1]		Sion 2.4 Bi decident for the stop	-4,11 dBm Ю2070 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max ID dBm 10 dBm 10 dBm 20 dBm -10 dBm -20 dBm -30 dBm M2 -50 dBm -50 dBm M2 -70 dBm -70 d	Tx. 20,00 dBm 30 dE 10/10 21 -21,165 20 -21,165	Offset 2.38 dB SWT 265 ms dBm	NT 2-DH5 24	MI[1] M2[1]		Sion 2.4 Bi decident for the stop	-4,11 dBm Ю2070 GHz

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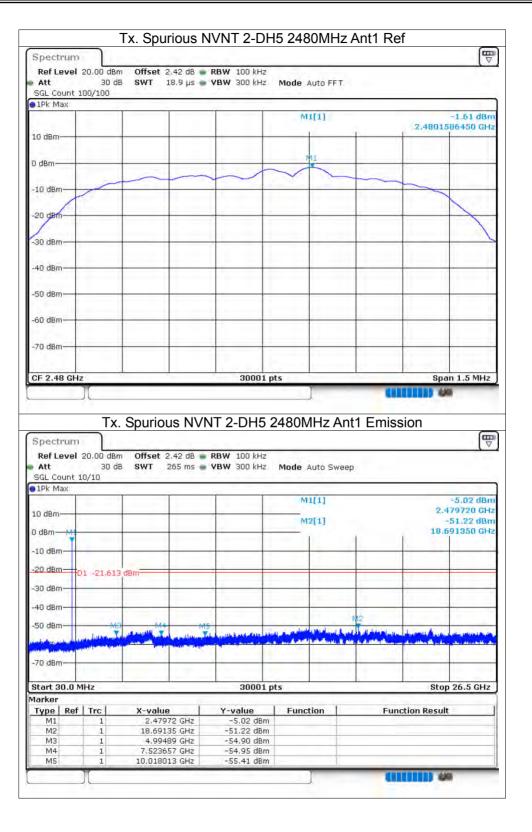


Spectrum		a second as					
Ref Level Att	20.00 dBn 30 dB	n Offset 2.39 dB 🖷 8 SWT 18.9 µs 🖷	RBW 100 kHz VBW 300 kHz	Mode Auto FF	T.		
SGL Count : 1Pk Max	100/100						
			1	M1[1]			-2.87 dBm
			1		4	2.4410	348990 GHz
10 dBm			1				
dBm			14				
					_		
-10 dBm	/					1	-
-20 dBm-			1				1
30 dBm			1				
-40 dBm			+ +				-
-50 dBm							
-60 dBm					_		
					11/1		
-70 dBm	_				-	-	
1.00							
	JCTx.	Spurious NVI	30001 p		Ant1 Emis		Jaan 1.5 MHz
Spectrum Ref Level	Tx.	n Offset 2.39 dB 🖷	NT 2-DH5 2 RBW 100 kHz	2441MHz A			
Spectrum Ref Level	20.00 dBn 30 dE	n Offset 2.39 dB 🖷	NT 2-DH5 2 RBW 100 kHz	2441MHz A			aan 1.5 MHz
Spectrum Ref Level Att SGL Count :	20.00 dBn 30 dE	n Offset 2.39 dB 🖷	NT 2-DH5 2 RBW 100 kHz	2441MHz A Mode Auto Sv			
Spectrum Ref Level Att SGL Count 1 1Pk Max	20.00 dBn 30 dE	n Offset 2.39 dB 🖷	NT 2-DH5 2 RBW 100 kHz	2441MHz A		ssion	-5.89 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm-	20.00 dBn 30 dE	n Offset 2.39 dB 🖷	NT 2-DH5 2 RBW 100 kHz	2441MHz A Mode Auto Sv		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 10 dBm-	20.00 dBn 30 dE	n Offset 2.39 dB 🖷	NT 2-DH5 2 RBW 100 kHz	2441MHz A Mode Auto Sv		ssion	-5.89 dBm .4+1780 GHz
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm 0 dBm	20.00 dBn 30 dE	n Offset 2.39 dB 🖷	NT 2-DH5 2 RBW 100 kHz	2441MHz A Mode Auto Sv		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm 0 dBm 	Tx. 20.00 dBn 30 dE 10/10	• Offset 2.39 dB • 8 SWT 265 ms •	NT 2-DH5 2 RBW 100 kHz	2441MHz A Mode Auto Sv		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBn 30 dE	• Offset 2.39 dB • 8 SWT 265 ms •	NT 2-DH5 2 RBW 100 kHz	2441MHz A Mode Auto Sv		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Tx. 20.00 dBn 30 dE 10/10	• Offset 2.39 dB • 8 SWT 265 ms •	NT 2-DH5 2 RBW 100 kHz	2441MHz A Mode Auto Sv		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 20.00 dBn 30 dE 10/10	• Offset 2.39 dB • 8 SWT 265 ms •	NT 2-DH5 2 RBW 100 kHz	2441MHz A Mode Auto Sv		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 20.00 dBn 30 dE 10/10	• Offset 2.39 dB • 8 SWT 265 ms •	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz	2441MHz / Mode Auto Sv M1[1] M2[1]		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 20.00 dBn 30 dE 10/10	dBm	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz	2441MHz A Mode Auto Sv		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm -50 dBm	Tx. 20.00 dBn 30 dE 10/10	dBm	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz	2441MHz / Mode Auto Sv M1[1] M2[1]		ssion	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : SGL Count : SGL Count : ID dBm 0 dBm 	Tx. 20,00 dBn 30 dE 10/10	dBm	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz	2441MHz / Mode Auto Sv M1[1] M2[1]		2 1	-5.89 dBm .441780 GHz -49.42 dBm .850254 GHz
Spectrum Ref Level Att SGL Count : SGL Count : Start SOLO Max Start SOLO	Tx. 20,00 dBn 30 dE 10/10	dBm	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz	2441MHz / Mode Auto Sv M1[1] M2[1]		2 1	-5.89 dBm .441780 GHz -49.42 dBm
Spectrum Ref Level Att SGL Count : IPK Max ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -20 dBm -70	Tx. 20,00 dBn 30 dE 10/10 D1 -22.867	A Offset 2.39 dB S SWT 265 ms	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz 	2441MHz / Mode Auto Sv M1[1] M2[1]		2 1	-5.89 dBm .441780 GHz -49.42 dBm .850254 GHz
Spectrum Ref Level Att SGL Count : SGL C	Tx. 20.00 dBn 30 dE 10/10 D1 -22.867	Offset 2.39 dB SWT 265 ms dBm dBm z z z z z z z	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz VBW 300 kHz 300 kHz 30001 p	2441MHz / Mode Auto Sv M1[1] M2[1]		2 1 1 55101	-5.89 dBm .441780 GHz -49.42 dBm .850254 GHz
Spectrum Ref Level Att SGL Count : SGL C	Tx. 20.00 dBn 30 dE 10/10 D1 -22.867 M2 MHz MHz Trc 1 1 1	Offset 2.39 dB SWT 265 ms B dBm dBm z	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz	2441MHz / Mode Auto Sv M1[1] M2[1]		2 1 1 55101	-5.89 dBm .441780 GHz -49.42 dBm .850254 GHz
Att SGL Count : SGL Count : SGL Count : SGL Count : SGL Count : PR Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -20 dBm -70 dBm	Tx. 20,00 dBn 30 dE 10/10 01 -22,867 MHz MHz 1 1 1	Offset 2.39 dB SWT 265 ms dBm dBm z	NT 2-DH5 2 RBW 100 kHz VBW 300 kHz VBW 300 kHz 300 kHz 300 kHz 	2441MHz / Mode Auto Sv M1[1] M2[1]		2 1 1 55101	-5.89 dBm .441780 GHz -49.42 dBm .850254 GHz

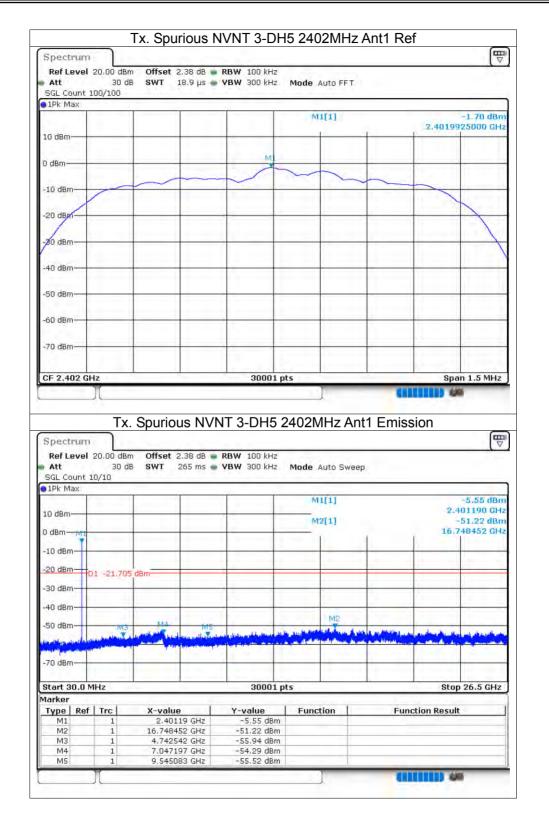
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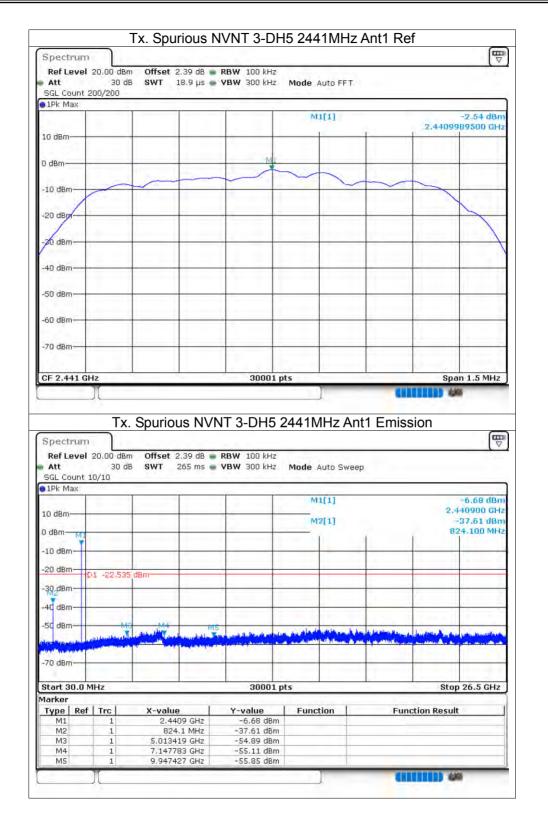




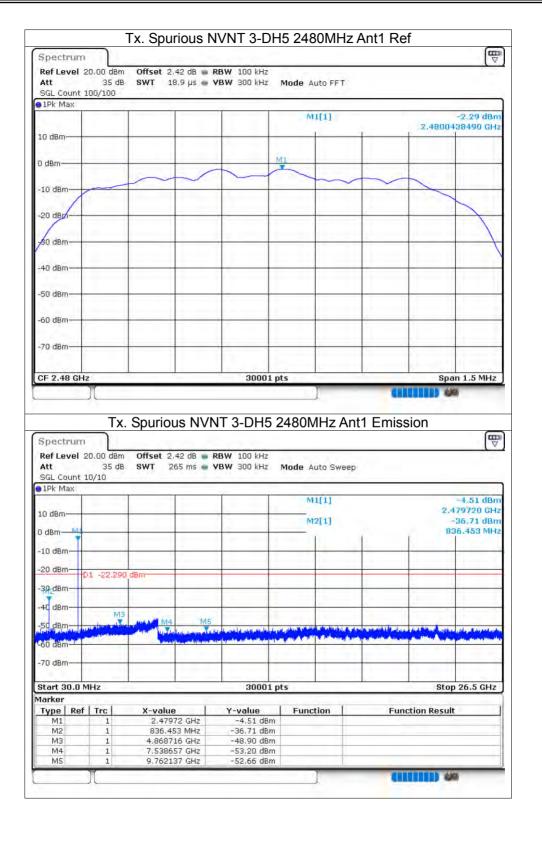


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END OF REPORT