

RADIO TEST REPORT FCC ID: OAH-6245023

Product: Rugged Smart Phone Trade Mark: **CUSTOM®** Model No.: RP312 Family Model: N/A Report No.: S23110804803001 Issue Date: Dec 13 , 2023

Prepared for

Custom S.P.A.

Via Berettine 2/B 43010 Fontevivo, Parma, Italy

Prepared by

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1 TEST RESULT CERTIFICATION

Applicant's name	Custom & D.A
Applicant's name	Custom S.P.A.
Address	Via Berettine 2/B 43010 Fontevivo, Parma, Italy
Manufacturer's Name	SHENZHEN SWELL TECHNOLOGY COMPANY LIMITED
Address	ROOM 605,6/F,FA YUEN COMMERCIAL BUILDING,75-77 FA YUEN STREET,MONGKOK,KOWLOON,HONGKONG
Product description	
Product name	Rugged Smart Phone
Trade Mark	CUSTOM
Model name	RP312
Family Model	N/A
Test Sample Number	S231108048001
Date (s) of performance of tests	Nov. 08, 2023 ~ Dec 13 , 2023

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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Prepared By: Mary Hu Reviewed By: Aaron Cheng By: Approved By: Alex Li (Project Engineer) (Supervisor) (Manager)



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

Remark:

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



3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

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

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

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

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

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

3.3 MEASUREMENT UNCERTAINTY

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

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

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4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification		
Equipment	Rugged Smart Phone	
Trade Mark	CUST@M°	
FCC ID	OAH-6245023	
Model No.	RP312	
Family Model	N/A	
Model Difference	N/A	
Operating Frequency	2402MHz~2480MHz	
Modulation	GFSK, π/4-DQPSK, 8-DPSK	
Number of Channels	79 Channels	
Antenna Type	PIFA Antenna	
Antenna Gain	1.5 dBi	
Adapter	N/A	
Battery	DC 3.8V, 4000mAh, 15.2Wh	
Power supply	DC 3.8V from battery or DC 5V from Charging Port	
HW Version	MH11_1.0	
SW Version	PRanger_R01_A12_V01.00	

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

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





Revision History				
Report No.	Version	Description	Issued Date	
S23110804803001	Rev.01	Initial issue of report	Dec 13 , 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		

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

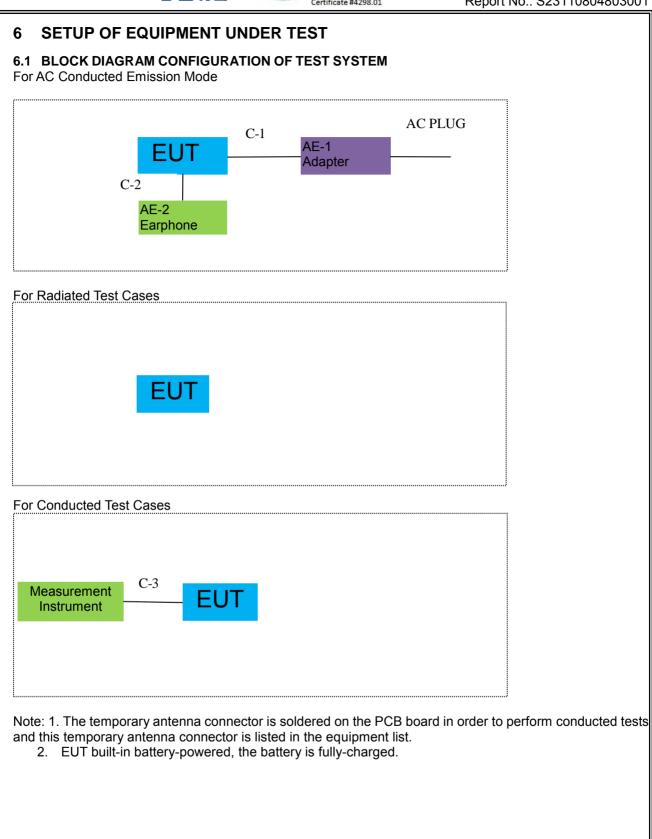
For Radiated Test Cases		
Final Test Mode	Description	
Mode 1	normal link mode	
Mode 2	CH00(2402MHz)	
Mode 3	CH39(2441MHz)	
Mode 4	CH78(2480MHz)	

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

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

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







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
EUT	Rugged Smart Phone	RP312	N/A	N/A
AE-1	Adapter	N/A	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".

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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	E4440A	MY41000130	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	2025.11.06	3 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	2023.11.03	2024.11.02	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)

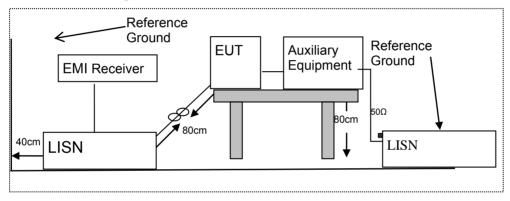
7.1.2 Conformance Limit

	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

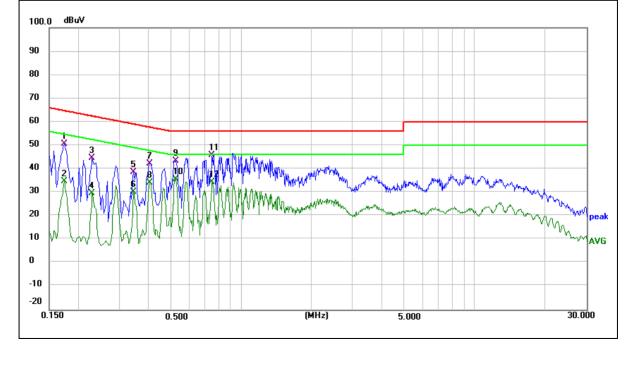
EUT:	Rugged Smart Phone	Model Name :	RP312
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demeric
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1740	40.78	9.97	50.75	64.77	-14.02	QP
0.1740	24.69	9.97	34.66	54.77	-20.11	AVG
0.2300	34.62	10.10	44.72	62.45	-17.73	QP
0.2300	19.67	10.10	29.77	52.45	-22.68	AVG
0.3460	28.35	10.34	38.69	59.06	-20.37	QP
0.3460	19.85	10.34	30.19	49.06	-18.87	AVG
0.4060	31.84	10.47	42.31	57.73	-15.42	QP
0.4060	23.66	10.47	34.13	47.73	-13.60	AVG
0.5220	32.74	10.69	43.43	56.00	-12.57	QP
0.5220	24.92	10.69	35.61	46.00	-10.39	AVG
0.7539	34.61	11.16	45.77	56.00	-10.23	QP
0.7539	23.38	11.16	34.54	46.00	-11.46	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.



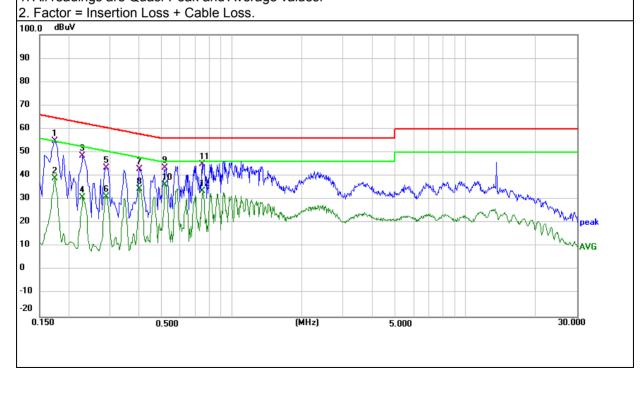


EUT:	Rugged Smart Phone	Model Name :	RP312
Temperature:	25 ℃	Relative Humidity:	62%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1740	44.87	9.97	54.84	64.77	-9.93	QP
0.1740	28.84	9.97	38.81	54.77	-15.96	AVG
0.2300	38.40	10.10	48.50	62.45	-13.95	QP
0.2300	20.74	10.10	30.84	52.45	-21.61	AVG
0.2900	33.24	10.22	43.46	60.52	-17.06	QP
0.2900	20.94	10.22	31.16	50.52	-19.36	AVG
0.4020	32.32	10.45	42.77	57.81	-15.04	QP
0.4020	23.95	10.45	34.40	47.81	-13.41	AVG
0.5180	32.80	10.69	43.49	56.00	-12.51	QP
0.5180	25.68	10.69	36.37	46.00	-9.63	AVG
0.7539	33.73	11.16	44.89	56.00	-11.11	QP
0.7539	22.50	11.16	33.66	46.00	-12.34	AVG

Remark:

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





7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

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

7.2.2 Conformance Limit

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

According to FOC Fait 15.205, Restricted bands				
MHz	MHz	MHz	GHz	
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	
6.26775-6.26825	123-138	2200-2300	14.47-14.5	
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	
12.57675-12.57725	322-335.4	3600-4400	(2)	
13.36-13.41				

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

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

Limits of Radiated Emission Measurement(Above 1000MHz)

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

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

Measurement was performed at an antenna to the closed point of EUT distance of meters.
 For Frequency 9kHz~30MHz:

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

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

For Frequency above 30MHz:

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

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

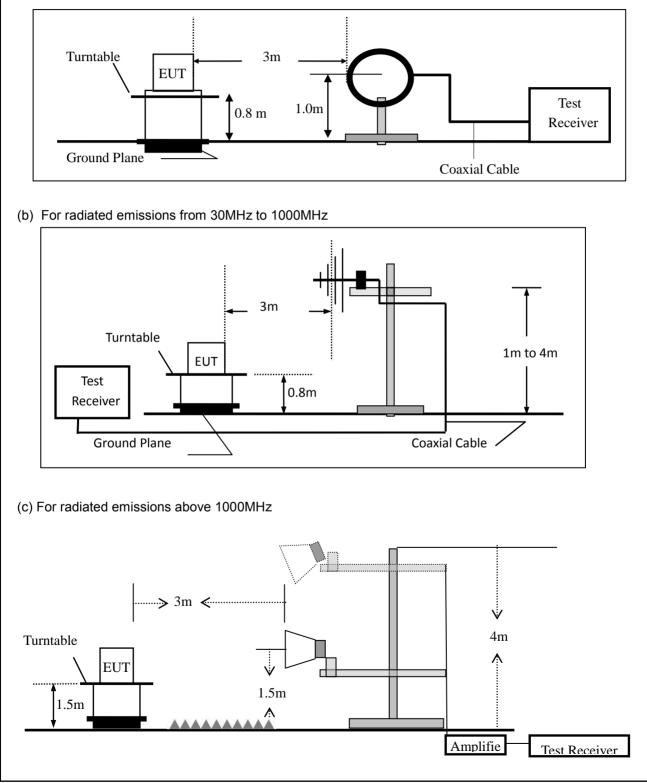


7.2.3 Measuring Instruments

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:

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					
About 1000	Peak	1 MHz	1 MHz					
Above 1000	Average	1 MHz	1 MHz					

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

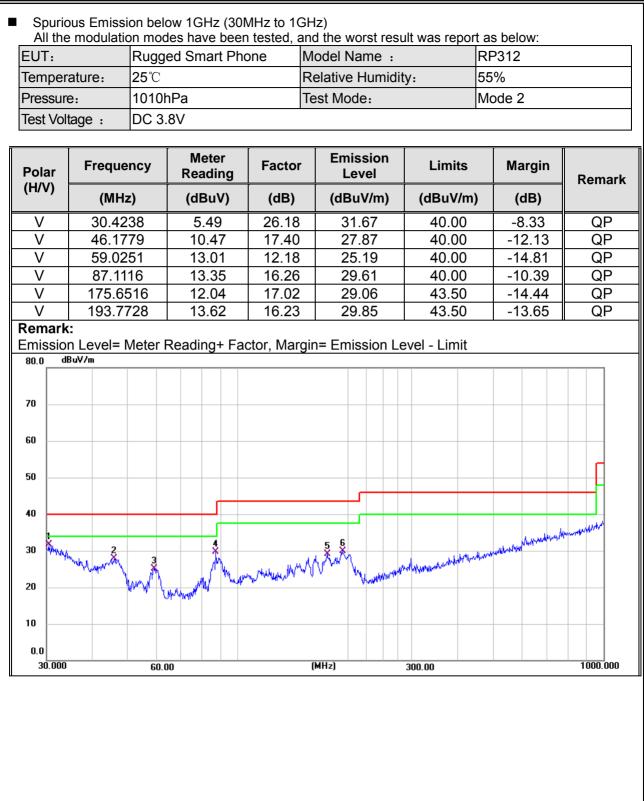
7.2.6 Test Results

EUT:	Rugged Smart Phone	Model No.:	RP312
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

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







Polar	Frequen	су	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)		(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	30.530	6	4.44	26.12	30.56	40.00	-9.44	QP
Н	86.806	7	7.71	16.22	23.93	40.00	-16.07	QP
Н	201.393	30	12.64	16.25	28.89	43.50	-14.61	QP
Н	297.224	11	10.00	20.03	30.03	46.00	-15.97	QP
Н	417.641	11	7.79	23.49	31.28	46.00	-14.72	QP
Н	952.093	37	6.42	31.17	37.59	46.00	-8.41	QP
	BuV/m			· · ·	n= Emission I			
70								
60								
50								
40								Aug what have
30 5	WM. W.		2	-		Mar How Martine	Anna Matherson	
20	and the second sec	were were	WHAT MAN	ndlag-ddfilinilydraethauniddorry)	A wa white			
10								
0.0 30.000		60.00			MHz)	300.00		1000.000



Report No.: S23110804803001

 Spurious 	Spurious Emission Above 1GHz (1GHz to 25GHz)									
EUT:	Ru	gged Sm	art Phone	Mod	el No.:	I	RP312	2		
Temperature	: 20	°C		Rela	Relati ve Humidity: 48%					
Test Mode:	Мо	de2/Mod	e3/Mode4	Test	Bv:	-	Mary I	Hu		
					,		,		<i>I</i> :	
	All the modulation modes have been tested, and the worst result was report as below:									
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Lin	nits	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	ıV/m)	(dB)		
			Low Char	nel (2402	MHz)(GFSK)	Abov	e 1G			
4804.61	68.06	5.21	35.59	44.30	64.56	74	.00	-9.44	Pk	Vertical
4804.61	43.22	5.21	35.59	44.30	39.72	54	.00	-14.28	AV	Vertical
7206.48	64.49	6.48	36.27	44.60	62.64	74	.00	-11.36	Pk	Vertical
7206.48	42.21	6.48	36.27	44.60	40.36	54	.00	-13.64	AV	Vertical
4804.80	63.46	5.21	35.55	44.30	59.92	74	.00	-14.08	Pk	Horizontal
4804.80	43.14	5.21	35.55	44.30	39.60	54	.00	-14.40	AV	Horizontal
7206.73	62.33	6.48	36.27	44.52	60.56	74	.00	-13.44	Pk	Horizontal
7206.73	42.15	6.48	36.27	44.52	40.38	54.00		-13.62	AV	Horizontal
			Mid Chan	nel (2441	MHz)(GFSK)-	Abov	e 1G			
4882.68	67.04	5.21	35.66	44.20	63.71	74	.00	-10.29	Pk	Vertical
4882.68	43.04	5.21	35.66	44.20	39.71	54	.00	-14.29	AV	Vertical
7323.84	64.59	7.10	36.50	44.43	63.76	74	.00	-10.24	Pk	Vertical
7323.84	42.65	7.10	36.50	44.43	41.82	54	.00	-12.18	AV	Vertical
4882.91	61.43	5.21	35.66	44.20	58.10	74	.00	-15.90	Pk	Horizontal
4882.91	40.76	5.21	35.66	44.20	37.43	54	.00	-16.57	AV	Horizontal
7324.77	59.62	7.10	36.50	44.43	58.79	74	.00	-15.21	Pk	Horizontal
7324.77	43.84	7.10	36.50	44.43	43.01	54	.00	-10.99	AV	Horizontal
			High Char	nel (2480	MHz)(GFSK)	Abov	ve 1G			
4959.17	63.61	5.21	35.52	44.21	60.13	74	.00	-13.87	Pk	Vertical
4959.17	43.39	5.21	35.52	44.21	39.91	54	.00	-14.09	AV	Vertical
7439.87	60.23	7.10	36.53	44.60	59.26	74	.00	-14.74	Pk	Vertical
7439.87	42.91	7.10	36.53	44.60	41.94	54	.00	-12.06	AV	Vertical
4960.91	64.53	5.21	35.52	44.21	61.05	74	.00	-12.95	Pk	Horizontal
4960.91	41.81	5.21	35.52	44.21	38.33	54	.00	-15.67	AV	Horizontal
7440.85	62.95	7.10	36.53	44.60	61.98	74	.00	-12.02	Pk	Horizontal
7440.85	42.54	7.10	36.53	44.60	41.57	54	.00	-12.43	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.: S23110804803001

EUT:	Rugged S		cted Band none		Model No.:			RP312			
Femperature	: 20 ℃			Re	Relative Humidity:		48%				
Test Mode:	Mode2/ M	lode4		Те	est By:	-	Mary	/ Hu			
All the modu	lation mod	es have	been test		I the worst res	ult wa	s rep	ort as be	low:		
Frequency	Meter Reading	Cable Loss	Antenna Factor	Pream Factor	p Emission	Lim		Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ\	V/m)	(dB)	Туре		
-				1Mbps(C	GFSK)-Non-hopp	oing					
2310.00	54.31	2.97	27.80	43.80) 41.28	74	4	-32.72	Pk	Horizontal	
2310.00	42.09	2.97	27.80	43.80	29.06	54	4	-24.94	AV	Horizontal	
2310.00	53.12	2.97	27.80	43.80	40.09	74	4	-33.91	Pk	Vertical	
2310.00	40.44	2.97	27.80	43.80) 27.41	54	4	-26.59	AV	Vertical	
2390.00	51.99	3.14	27.21	43.80	38.54	74	4	-35.46	Pk	Vertical	
2390.00	44.21	3.14	27.21	43.80	30.76	54	4	-23.24	AV	Vertical	
2390.00	52.31	3.14	27.21	43.80	38.86	74	4	-35.14	Pk	Horizontal	
2390.00	40.20	3.14	27.21	43.80	26.75	54	4	-27.25	AV	Horizontal	
2483.50	54.67	3.58	27.70	44.00) 41.95	74	4	-32.05	Pk	Vertical	
2483.50	44.82	3.58	27.70	44.00) 32.10	54	4	-21.90	AV	Vertical	
2483.50	51.86	3.58	27.70	44.00) 39.14	74	4	-34.86	Pk	Horizontal	
2483.50	43.18	3.58	27.70	44.00	30.46	54	4	-23.54	AV	Horizontal	
				1Mbps	(GFSK))-hoppin	g					
2310.00	50.65	2.97	27.80	43.80	37.62	74	4	-36.38	Pk	Horizontal	
2310.00	41.61	2.97	27.80	43.80	28.58	54	4	-25.42	AV	Horizontal	
2310.00	52.35	2.97	27.80	43.80) 39.32	74	4	-34.68	Pk	Vertical	
2310.00	43.58	2.97	27.80	43.80) 30.55	54	4	-23.45	AV	Vertical	
2390.00	50.98	3.14	27.21	43.80) 37.53	74	4	-36.47	Pk	Vertical	
2390.00	43.27	3.14	27.21	43.80) 29.82	54	4	-24.18	AV	Vertical	
2390.00	51.08	3.14	27.21	43.80	37.63	74	4	-36.37	Pk	Horizontal	
2390.00	42.77	3.14	27.21	43.80) 29.32	54	4	-24.68	AV	Horizontal	
2483.50	52.41	3.58	27.70	44.00	39.69	74	4	-34.31	Pk	Vertical	
2483.50	41.06	3.58	27.70	44.00) 28.34	54	4	-25.66	AV	Vertical	
2483.50	50.70	3.58	27.70	44.00) 37.98	74	4	-36.02	Pk	Horizontal	
2483.50	43.17	3.58	27.70	44.00) 30.45	54	4	-23.55	AV	Horizontal	

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



Spurious En	Spurious Emission in Restricted Band 3260MHz-18000MHz											
EUT:						Model No.:			RP312			
Temperature:	20 °C	2			Relati	ve Humidity	/:	48%				
Test Mode:	Mod	e2/ Mod	e4		Test E	By:		Mary	Hu			
All the modulati	ion mod	les have	been teste	ed, a	and the	e worst resu	ılt wa	is repo	rt as belo	W:		
Frequency	eading Level	Cable Loss	Antenna Factor		eamp actor	Emission Level	Li	mits	Margin	Detector	Comment	
(MHz) (dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dB	µV/m)	(dB)	Туре		
3260	62.49	4.04	29.57	4	4.70	51.40		74	-22.60	Pk	Vertical	
3260	49.81	4.04	29.57	4	4.70	38.72	54		-15.28	AV	Vertical	
3260	53.45	4.04	29.57	4	4.70	42.36		74	-31.64	Pk	Horizontal	
3260	43.61	4.04	29.57	4	4.70	32.52	ł	54	-21.48	AV	Horizontal	
3332	64.56	4.26	29.87	4	4.40	54.29	-	74	-19.71	Pk	Vertical	
3332	47.72	4.26	29.87	4	4.40	37.45	ł	54	-16.55	AV	Vertical	
3332	62.70	4.26	29.87	4	4.40	52.43	-	74	-21.57	Pk	Horizontal	
3332	46.23	4.26	29.87	4	4.40	35.96	4	54	-18.04	AV	Horizontal	
17797	50.78	10.99	43.95	4	3.50	62.22	•	74	-11.78	Pk	Vertical	
17797	35.48	10.99	43.95	4	3.50	46.92	ł	54	-7.08	AV	Vertical	
17788	55.96	11.81	43.69	4	4.60	66.86	-	74	-7.14	Pk	Horizontal	
17788	38.79	11.81	43.69	4	4.60	49.69	ł	54	-4.31	AV	Horizontal	

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



7.3 NUMBER OF HOPPING CHANNEL

7.3.1 Applicable Standard

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

7.3.2 Conformance Limit

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

7.3.3 Measuring Instruments

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

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.3 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT must have its hopping function enabled. Use the following spectrum analyzer settings: Span = the frequency band of operation RBW : To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller. VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold

7.3.6 Test Results

EUT:	Rugged Smart Phone	Model No.:	RP312
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	RP312 48% Mary Hu



7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

7.4.1 Applicable Standard

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

7.4.2 Conformance Limit

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

7.4.3 Measuring Instruments

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

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2

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

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

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

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = Measurement Bandwidth or Channel Separation

RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.

VBW ≥ RBW Sweep = auto

Detector function = peak Trace = max hold

7.4.6 Test Results

EUT:	Rugged Smart Phone	Model No.:	RP312
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

7.5.1 Applicable Standard

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

7.5.2 Conformance Limit

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

7.5.3 Measuring Instruments

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

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

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



7.5.6 **Test Results**

EUT:	Rugged Smart Phone	Model No.:	RP312
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

Test data reference attachment.

Note:

A Period Time = (channel number)*0.4

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

For Example:

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



7.6 20DB BANDWIDTH TEST

7.6.1 Applicable Standard

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

7.6.2 Conformance Limit

No limit requirement.

7.6.3 Measuring Instruments

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

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

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

7.6.6 Test Results

EUT:	Rugged Smart Phone	Model No.:	RP312
Temperature:	20 ℃	Relative Humidity:	48% Mary Hu
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



7.7 PEAK OUTPUT POWER

7.7.1 Applicable Standard

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

7.7.2 Conformance Limit

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

7.7.3 Measuring Instruments

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

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

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

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

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

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

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

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

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

 $VBW \ge RBW$

Sweep = auto

Detector function = peak Trace = max hold

7.7.6 Test Results

EUT:	Rugged Smart Phone	Model No.:	RP312	
Temperature:	20 ℃	Relative Humidity:	48%	
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu	



7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

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

7.8.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(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:	Rugged Smart Phone	Model No.:	RP312 48%
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	Mary Hu



7.9 SPURIOUS RF CONDUCTED EMISSION

7.9.1 Applicable Standard

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

7.9.2 Conformance Limit

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

7.9.3 Measuring Instruments

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

7.9.4 Test Setup

Please refer to Section 6.1 of this test report.

7.9.5 Test Procedure

Establish an emission level by using the following procedure:

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

- b) Set the RBW = 100 kHz.
- c) Set the VBW \geq [3 × RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.

g) Allow trace to fully stabilize.

h) Use the peak marker function to determine the maximum amplitude level.

Then the limit shall be attenuated by at least 20 dB relative to the maximum amplitude level in 100 kHz.

7.9.6 Test Results

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



7.10 ANTENNA APPLICATION

7.10.1 Antenna Requirement

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

7.10.2 Result

The EUT antenna is permanent attached PIFA antenna (Gain:1.5dBi). It comply with the standard requirement.



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

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

7.11.2 Frequency Hopping System

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

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

7.11.3 EUT Pseudorandom Frequency Hopping Sequence

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

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





8 TEST RESULTS

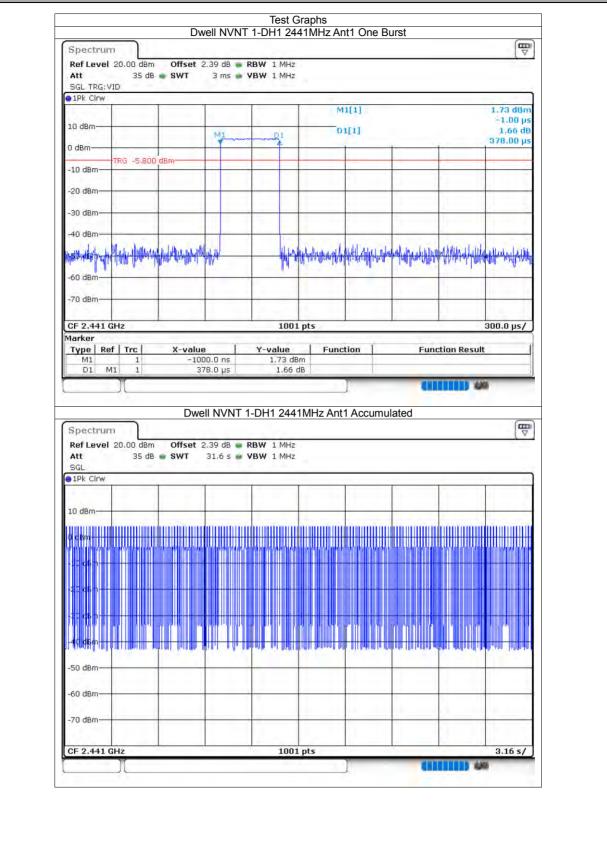
8.1 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.378	79.38	210	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.635	215.82	132	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.88	224.64	78	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.387	78.948	204	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.645	189.175	115	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.888	248.368	86	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.384	81.792	213	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.635	209.28	128	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.888	259.92	90	31600	400	Pass



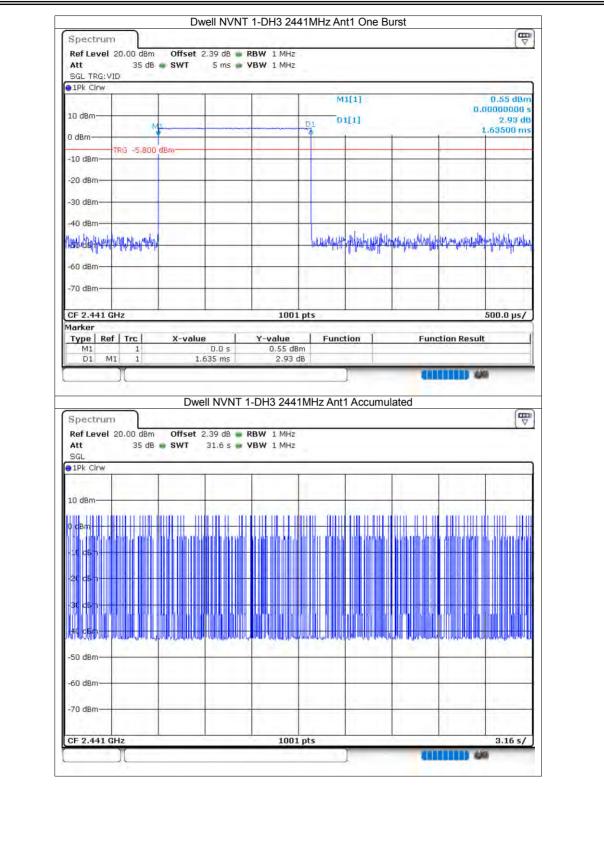


Report No.: S23110804803001









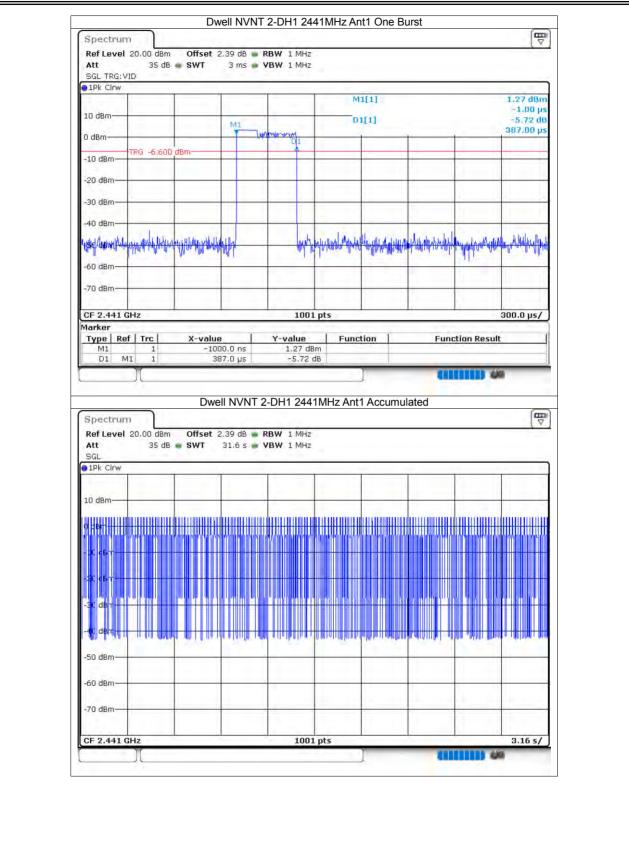




●1Pk Clrw	1		_						4 00 30
10 dBm				1		1[1]		a.a	4.30 dBm
				D1	D	1[1]		2	-0.07 dB
0 dBm	G -5.600 g	Bm			-				
-10 dBm									-
-20 dBm									
-30 dBm								-	
-40 dBm					-		_		
HAR ARE AND A CONTRACT OF A	2			4	h h administration of	WHAT IN THE HEARD	Hallhalthaleter	him har for badd	hand the second s
-60 dBm						1000		1000	1-1-1
-70 dBm								1	12.2.1
-70 upm		100.000.00		A constant	1	11.000		1 mm - 1	1944 - A
CF 2.441 GH: Marker	z		-	1001	pts			1	800.0 µs/
Type Ref		X-value		Y-value	Func	tion	Fund	tion Result	1
M1 D1 M1	1	2.	0.0 s 88 ms	4.30 dB -0.07 d					
					1	Ţ			1
		Dwol			1MHz Ant	1 Accumul	ated		
Spectrum Ref Level 20 Att		Offset 2.	39 d8 📦 F	BW 1 MHz		T Accumu			
Ref Level 20 Att SGL 1Pk Clrw		Offset 2.	39 d8 📦 F	RBW 1 MHz					
Ref Level 20 Att SGL		Offset 2.	39 d8 📦 F	RBW 1 MHz					
Ref Level 20 Att SGL 1Pk Clrw 10 dBm 0 dBm -10 56m -20 56m -30 56m	35 dB	Offset 2.	39 dB 🖕 F	RBW 1 MHz /BW 1 MHz					
Ref Level 20 Att SGL 1Pk Clrw 10 dBm	35 dB	Offset 2.	39 dB 🖕 F	RBW 1 MHz /BW 1 MHz					
Ref Level 20 Att SGL 1Pk Clrw 10 dBm 0 dBm -10 56m -20 56m -30 56m	35 dB	Offset 2. SWT	39 dB 🖕 F	RBW 1 MHz /BW 1 MHz					
Ref Level 20 Att SGL 1Pk Clrw 10 dBm 0 dBm -10 56m -20 56m -30 56m -30 56m	35 dB	Offset 2. SWT	39 dB 🖕 F	RBW 1 MHz /BW 1 MHz					
Ref Level 20 Att SGL 1Pk Clrw 10 dBm 0 dBm -10 56m -20 56m -30 56m -50 dBm -60 dBm	35 dB	Offset 2. SWT	39 dB 🖕 F	RBW 1 MHz /BW 1 MHz					
Ref Level 20 Att SGL 1Pk Clrw 10 dBm 0 dBm -10 56m -20 56m -30 56m -30 56m -30 56m -30 56m	35 dB	Offset 2. SWT	39 dB 🖕 F	RBW 1 MHz /BW 1 MHz					
Ref Level 20 Att SGL 1Pk Clrw 10 dBm 0 dBm -10 c6m -20 c6m -30 c6m -30 c6m -50 dBm -60 dBm	35 dB	Offset 2. SWT	39 dB 🖕 F	RBW 1 MHz /BW 1 MHz					
Ref Level 20 Att SGL 1Pk Clrw 10 dBm 0 dBm -10 28m -20 28m -30 28m -50 dBm -60 dBm -70 dBm	35 dB	Offset 2. SWT	39 dB 🖕 F	RBW 1 MHz /BW 1 MHz					3.16 5/

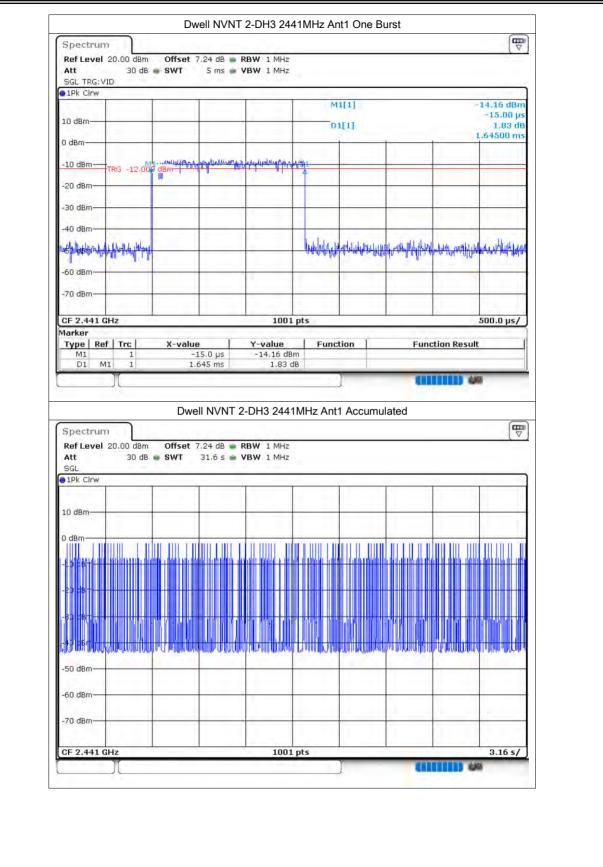












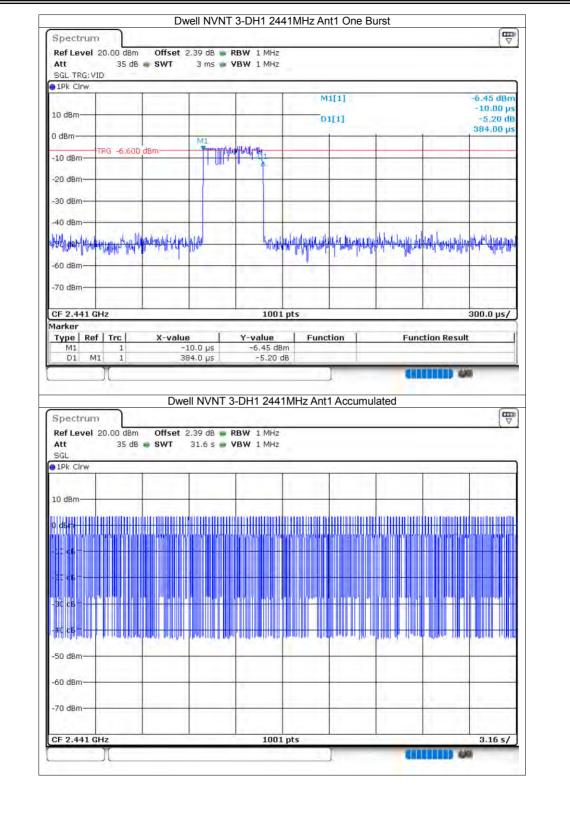




Att SGL TRG:VI				BW 1 MHz BW 1 MHz					
●1Pk Clrw	1					1(1)			
10 dBm						1[1]		0.0	3.06 dBm 00000000 s
	Mi	when any one of the second strengthere and the second s	and the second	Di	D	1[1]		3	-1.56 dB 2.88800 ms
0 dBm	TRG -6.700	18m							
-10 dBm							-		
-20 dBm			-		_		-		
-30 dBm			-				-		
-40 dBm							-		
Repairs	sta				will the glader to per	Alexandrama	phone hand hand	public that here	manipullyton da
-60 dBm						1		1	
-70 dBm			i		1	11		1	
-76 4611			1	1000	1	11000	1.		
CF 2.441 G Marker	Hz			1001	pts			1	800.0 µs/
Type Ref		X-value		Y-value	Func	tion	Func	tion Result	. 1
M1 D1 M	1	2.8	0.0 s 88 ms	3.06 dB -1.56 d					
)(- 2	1			8
Spectrum Ref Level	20.00 dBm	Offset 2		BW 1 MHz	1MHz Ant	1 Accumul			
Ref Level Att SGL	20.00 dBm	Offset 2	.39 dB 🍙 R		1MHz Ant	1 Accumul			
Ref Level Att	20.00 dBm	Offset 2	.39 dB 🍙 R	BW 1 MHz	1MHz Ant	1 Accumul			
Ref Level Att SGL	20.00 dBm	Offset 2	.39 dB 🍙 R	BW 1 MHz	1MHz Ant				
Ref Level Att SGL 1Pk Clrw	20.00 dBm	Offset 2	.39 dB 🍙 R	BW 1 MHz	1MHz Ant				
Ref Level Att SGL 1Pk Clrw	20.00 dBm	Offset 2	.39 dB 🍙 R	BW 1 MHz	1MHz Ant [*]				
Ref Level Att SGL 1Pk Clrw	20.00 dBm	Offset 2	.39 dB 🍙 R	BW 1 MHz	1MHz Ant [*]				
Ref Level Att SGL 1Pk Clrw	20.00 dBm	Offset 2	.39 dB 🍙 R	BW 1 MHz	1MHz Ant [*]				
Ref Level Att SGL 1Pk Clrw	20.00 dBm	Offset 2	.39 dB 🍙 R	BW 1 MHz	1MHz Ant [*]				
Ref Level Att SGL ● 1Pk Clrw 10 dBm - Jt dBm - Jt dBm - 3t dBm - 3t dBm	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz BW 1 MHz					
Ref Level Att SGL 1Pk Clrw	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz					
Ref Level Att SGL ● 1Pk Cirw 10 dBm - Jt dBm - Jt dBm - 3t dBm - 3t dBm	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz BW 1 MHz					
Ref Level Att SGL ● 1Pk Clrw 10 dBm - Jt dBm	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz BW 1 MHz					
Ref Level Att SGL ● 1Pk Clrw 10 dBm -JC JBm -JC JBm -JC JBm -JC JBm -St JBm -St JBm -St dBm -50 dBm -60 dBm	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz BW 1 MHz					
Ref Level Att SGL 10 dBm 0 dBm 0 dBm 0 dBm - Jf JBm -	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz BW 1 MHz					
Ref Level Att SGL 10 dBm 10 dBm 0 dBm 0 dBm - Jf JBm -	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz BW 1 MHz					
Ref Level Att SGL 10 dBm 10 dBm 0 dBm - 10 dBm - 20 dBm -50 dBm -60 dBm -70 dBm	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz BW 1 MHz					3.16 s/)
Ref Level Att SGL ● 1Pk Clrw 10 dBm 0 dBm - xt dBr - xt dBr - 3t dBr - 4t dBr -50 dBm -60 dBm	20.00 dBm 35 dB	Offset 2 SWT	.39 dB R 31.6 s V	BW 1 MHz BW 1 MHz					3.16 s/)

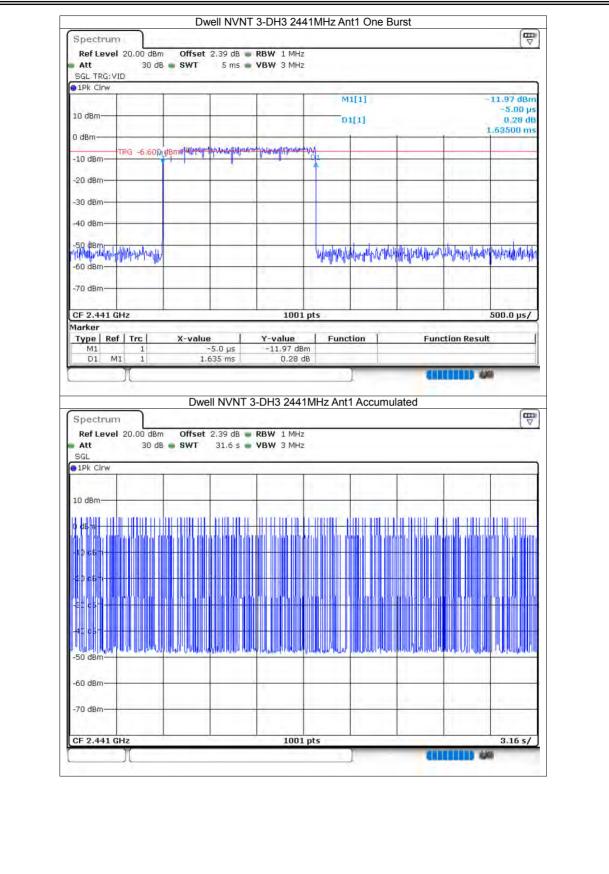
















9,dBm 2.8880 10'dBm 10'dBm -20 dBm 20'dBm -20 dBm 20'dBm <tr< th=""><th>00 µs +3 dB 10 ms</th></tr<>	00 µs +3 dB 10 ms
QidBm 2.88800 10° dBm 2.88800 10° dBm 10° dBm -20° dBm 10° dBm -30° dBm 10° dBm -20° dBm 10° dBm	4 mis
0,dBm	4194444
-20 dBm -30 dBm -40 dBm -40 dBm -60 dBm -60 dBm -70 dB	
-30 dBm -40 dBm -40 dBm -60 dBm -60 dBm -70 dB	
-30 dBm -40 dBm -40 dBm -60 dBm -60 dBm -70 dB	
-40 dBm	
HSD dBm International and the second se	
-60 dBm -70 dBm CF 2.441 GHz 1001 pts 800.0 Marker	
-70 dBm CF 2.441 GHz 1001 pts 800.0 Marker	
-70 dBm CF 2.441 GHz 1001 pts 800.0 Marker	
CF 2.441 GHz 1001 pts 800.0 Marker	
Marker	
Marker	us/
	-
Type Ref Trc X-value Y-value Function Function Result M1 1 -840.0 µs -6.33 dBm -6.33 dBm<	
D1 M1 1 2.888 ms -5,43 dB	
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated	
Spectrum	
Ref Level 20.00 dBm Offset 2.39 dB a RBW 1 MHz	1v
Att 35 dB SWT 31.6 s VBW 1 MHz	
SGL PIPK Cirw	
10 dBm-	
10 dbm	= 7
р фвтантин на	
n an	
-1)idβm 	
-2D.dBm	
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THE ALL AND ALL PROPERTY IN THE ALL AND ALL ADDRESS AND ALL AND ADDRESS	
130 iq5m	
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13C (dBm	
-50 dBm	
-50 dBm	
-50 dBm	6 s/



8.2 Maximum Conducted Output Power

	Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
	NVNT	1-DH5	2402	Ant1	4.87	21	Pass
	NVNT	1-DH5	2441	Ant1	4.32	21	Pass
	NVNT	1-DH5	2480	Ant1	3.09	21	Pass
Ī	NVNT	2-DH5	2402	Ant1	4.16	21	Pass
Ī	NVNT	2-DH5	2441	Ant1	3.51	21	Pass
	NVNT	2-DH5	2480	Ant1	2.3	21	Pass
Ī	NVNT	3-DH5	2402	Ant1	4.14	21	Pass
Ī	NVNT	3-DH5	2441	Ant1	3.48	21	Pass
	NVNT	3-DH5	2480	Ant1	2.28	21	Pass

		Power NV	NT 1-DH5 2	hs 2402MHz Ant1		
Spectrum	<u>.</u>					
Ref Level 20.00		2.38 dB 💼 RBW		1		
Att S SGL Count 100/1		1 ms 🖷 YBW	2 MHz Mo	de Auto Sweep		
Dipk Max	00					
				M1[1]		4,87 dBr
10 dBm-				1	T E	2.40197500 GH
			M			
0 dBm						
-10 dBm-						
-20 dBm			-		1	
S. Section 1						
-30 dBm-			-			
-40 dBm						
-to upin	_					
-50 dBm						
-60 dBm					-	
1.0						
-70 dBm				-		
1.1.1						
CF 2.402 GHz			1001 pts	,		Span 5.0 MHz
- Y					0.00	100





Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100		RBW 2 MHz VBW 2 MHz Mo	de Auto Sweep			
1Pk Max						
			MI[1]		2,440	4,32 dBm 97000 GHz
10 dBm		M	1	1		
0 dBm						
-10 dBm					_	
-20 dBm						
-30 dBm						
						1 222 6
-40 dBm						
-50 dBm						
-60 dBm						
-70 dBm						
/ S GBII						1
CF 2.441 GHz		1001 pts			Spa	n 5.0 MHz
Spectrum Ref Level 20.00 dBm	Offset 2.42 dB	er NVNT 1-DH5 2	2480MHz Ant1	CAR		
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100	Offset 2.42 dB	er NVNT 1-DH5 2	2480MHz Ant1 de Auto Sweep	Gi		
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100	Offset 2.42 dB	er NVNT 1-DH5 2	2480MHz Ant1	-	2,479	3,09 dBm
Spectrum Ref Level 20.00 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2,479	
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2.42 dB	er NVNT 1-DH5 2	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2,479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
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 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep		2.479	3,09 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	Offset 2.42 dB	RBW 2 MHz VBW 2 MHz Mo	2480MHz Ant1 de Auto Sweep M1[1]			3.09 dBm 99500 GHz

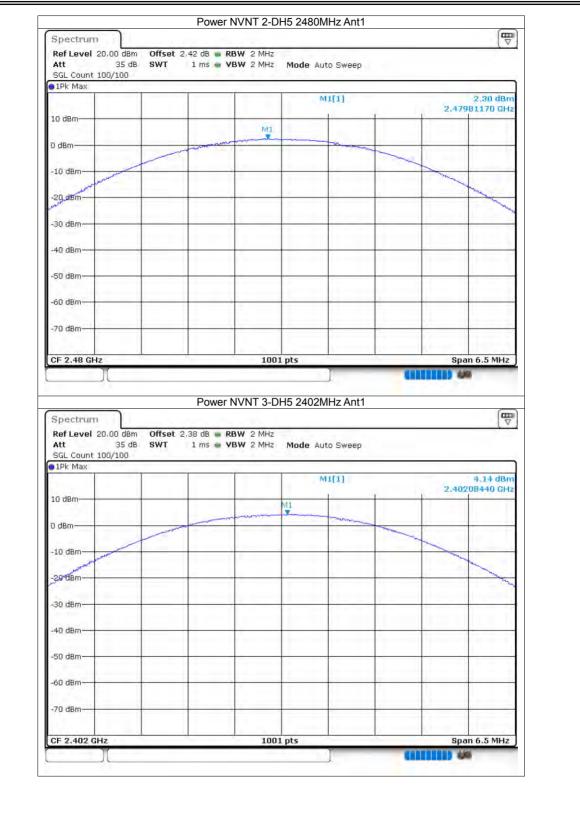




Att SGL Count	20.00 dBm 35 dB 100/100		38 dB 🐞 RE 1 ms 🖶 VE		Mode Aut	to Sweep			
1Pk Max				-	м	1[1]			4,16 dBm
10 dBm					MI	-		2,402	206490 GHz
0 dBm			monore man	mun	- X	mon	-		
		and					- martin		
-10 dBm	- all marker			-			-	- market	m
-20 dBm-	_			-			-		and the second
-30 dBm						11	-	1	1
			_			1		1	11 222 1
-40 dBm									
-50 dBm									
-60 dBm				_	-		-		-
-70 dBm									
									1
CF 2.402 G	-lz			100	1 pts	1		Spa	n 6.5 MHz
Ref Level	20.00 dBm		39 dB 💼 RE	SW 2 MHz	H5 2441M				
Ref Level : Att SGL Count	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	H5 2441M Mode Aut				((
Ref Level : Att SGL Count	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut			2.44)	3.51 dBm 117530 GHz
Ref Level 3 Att SGL Count 1Pk Max	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2.441	3,51 dBm
Ref Level 2 Att SGL Count 2 1Pk Max 10 dBm	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2.44)	3,51 dBm
Ref Level 3 Att SGL Count 3 1Pk Max 10 dBm	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2.441	3,51 dBm
Spectrum Ref Level 3 Att SGL Count 10 dBm 0 dBm -10 dBm	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2.441	3,51 dBm
Ref Level 3 Att SGL Count 3 1Pk Max 10 dBm	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2.441	3,51 dBm
Ref Level 3 Att SGL Count 3 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2,441	3,51 dBm
Ref Level 3 Att SGL Count 3 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2.441	3,51 dBm
Ref Level 3 Att SGL Count 3 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2,441	3,51 dBm
Ref Level 3 Att SGL Count 3 1Pk Max 10 dBm 0 dBm 	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2.441	3,51 dBm
Ref Level 3 Att SGL Count 3 1Pk Max 10 dBm 0 dBm 	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2,441	3,51 dBm
Ref Level : Att SGL Count : SGL Count : IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	20.00 dBm 35 dB		39 dB 💼 RE	SW 2 MHz	Mode Aut	to Sweep		2.441	3,51 dBm
Ref Level : Att SGL Count : 1Pk Max 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 60 dBm 70 dBm	20.00 dBm 35 dB 100/100		39 dB 💼 RE	BW 2 MHz 2 MHz	Mode Aut	to Sweep			3.51 dBm 117530 GHz
Ref Level 3 Att SGL Count 3 IPk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 35 dB 100/100		39 dB 💼 RE	BW 2 MHz 2 MHz	Mode Aut	to Sweep			3.51 dBm 117530 GHz











Spectrum	1	Power NVNT 3-D			
Ref Level 20.00 d	dB SWT	2.39 dB B RBW 2 MHz 1 ms B YBW 2 MHz	Mode Auto Swe	ер	
1Pk Max		1	1		
			M1[1]		3,48 dBr 2,44117530 GH
10 dBm	_		MI		
			MI		
0 dBm	-				
in a second					
-10 dBm					
-20.dBm			4		1
and the second s					
-30 dBm	-				
10 mm			10000		
-40 dBm					
-50 dBm					
-50 UBIN					
-60 dBm	_				
-70 dBm					
CF 2.441 GHz		100:	L pts	1	Span 6.5 MHz





						Spectrum
(v		Mode Auto Sweep			20.00 dBm Of	
		And and a fearly			100/100	SGL Count
			T.	1		1Pk Max
2.28 dBm 7981820 GHz	2.47	M1[1]				
						10 dBm
			MI			
						0 dBm
						-10 dBm
				_		· · ·
1			1			-20 dBm-
1	the second se					C
			1			-30 dBm
						-40 dBm
						-40 UBIII
						-50 dBm
						o o o o o o
						-60 dBm
			-			-70 dBm
1						
pan 6.5 MHz	Sn	pts	1001		IZ I	CF 2.48 GH
444		. J			Y	





8.3 -20dB Bandwidth

Condition	Mode	Frequency	Antenna	-20 dB	Verdict
		(MHz)		Bandwidth (MHz)	
NVNT	1-DH5	2402	Ant1	0.852	Pass
NVNT	1-DH5	2441	Ant1	0.85	Pass
NVNT	1-DH5	2480	Ant1	0.854	Pass
NVNT	2-DH5	2402	Ant1	1.288	Pass
NVNT	2-DH5	2441	Ant1	1.262	Pass
NVNT	2-DH5	2480	Ant1	1.242	Pass
NVNT	3-DH5	2402	Ant1	1.338	Pass
NVNT	3-DH5	2441	Ant1	1.294	Pass
NVNT	3-DH5	2480	Ant1	1.27	Pass

			-20dF	Banc	Test C		hs DH5 2402Mł	Hz Ant1	1		
Spect	rum		-2002	Danc							E.
	vel 20).00 dBm 35 dB 10/100			RBW 30 kHz VBW 100 kHz		lode Auto FFT	r			
01Pk M					-						
10 dBm						MI	M1[1] 				1.43 dB 204800 GF -18.47 dB
0 dBm-		-			1 mon	h	MI	1		2.40	154200 GH
-10 dBm	-		M2	A			han	MB		-	
-20 dBm	-	_	X	4	-			-	2		
-30 dBm	-	~	1		-	-			~ j	<hr/>	-
-40 dBm		N								Z	
-40 000	5	1								m	in
-50 dBm	-				-	-					1
-60 dBm	-										
								11.1		1	
-70 dBm					1					1	
CF 2.40	02 GH:	z	1		1001	l pts				Sp	an 2.0 MH:
Marker				-							
Type M1	Ref		2.402048	CUIN	Y-value 1.43 dB	-	Function	-	Fund	tion Resul	t
M1 M2		1	2.402048		-18.47 dE		-				
M3		1	2.402394		-18.41 dE			0			
	7	1				-	7				10



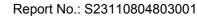






ACCREDITED







ACCREDITED

Certificate #4298.01



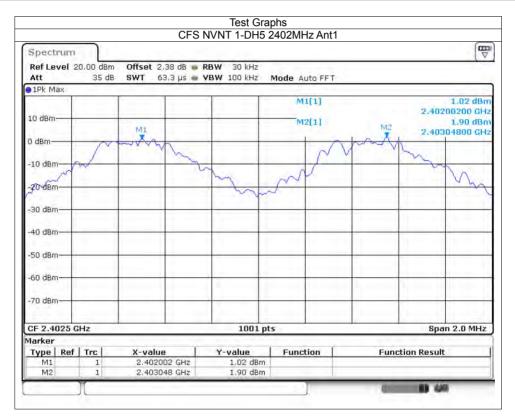




Accredited Certificate #4298.01

8.4 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freg1	Hopping Freq2	HFS	Limit	Verdict
•••••••	mouo	/	(MHz)	(MHz)	(MHz)	(MHz)	
NVNT	1-DH5	Ant1	2402.002	2403.048	1.046	0.568	Pass
NVNT	1-DH5	Ant1	2441.042	2442.038	0.996	0.567	Pass
NVNT	1-DH5	Ant1	2479.048	2480.05	1.002	0.569	Pass
NVNT	2-DH5	Ant1	2402.006	2403.004	0.998	0.859	Pass
NVNT	2-DH5	Ant1	2441	2442.014	1.014	0.841	Pass
NVNT	2-DH5	Ant1	2479.138	2480.19	1.052	0.828	Pass
NVNT	3-DH5	Ant1	2402.154	2403.154	1	0.892	Pass
NVNT	3-DH5	Ant1	2441.121	2442.1	0.979	0.863	Pass
NVNT	3-DH5	Ant1	2478.826	2479.826	1	0.847	Pass



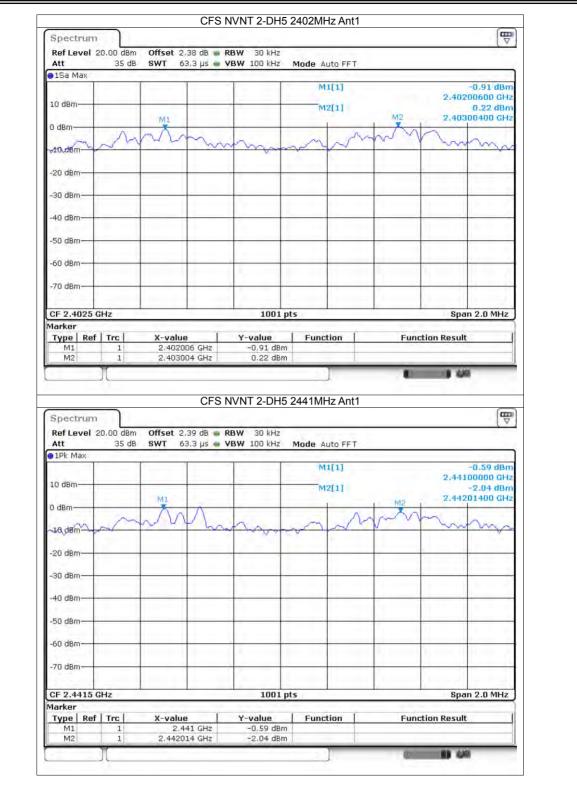






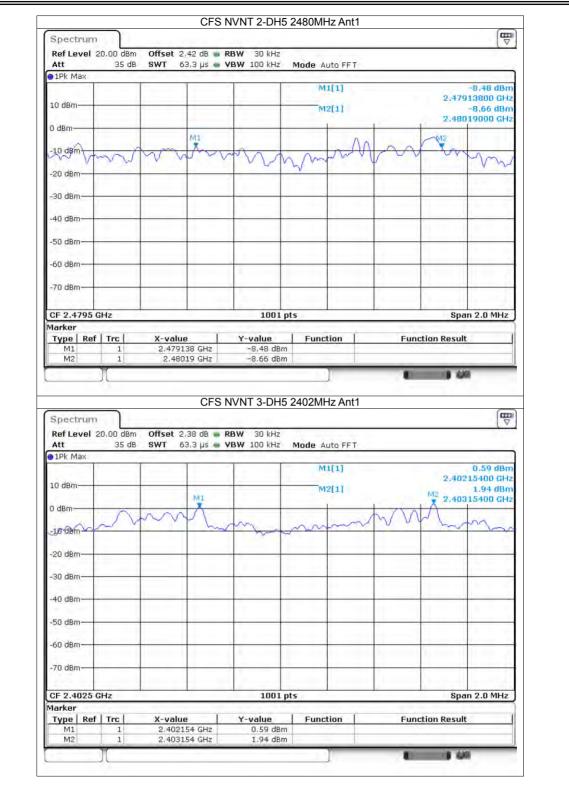






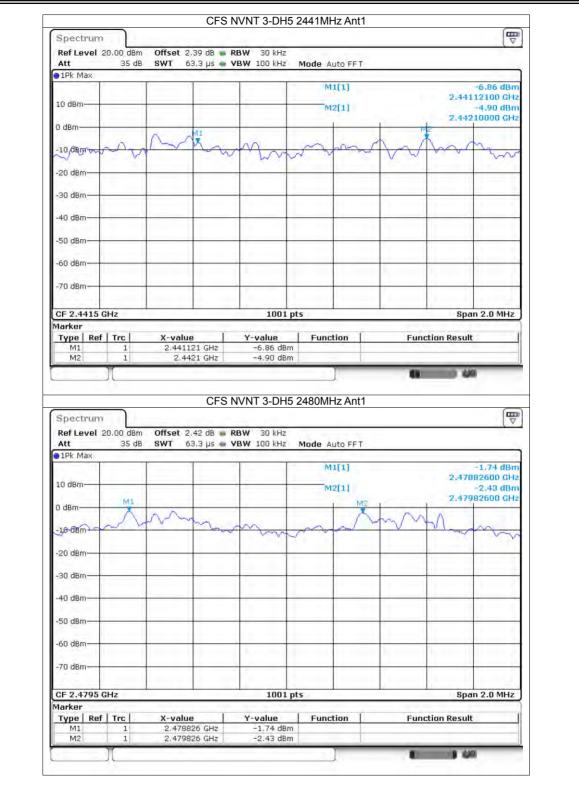






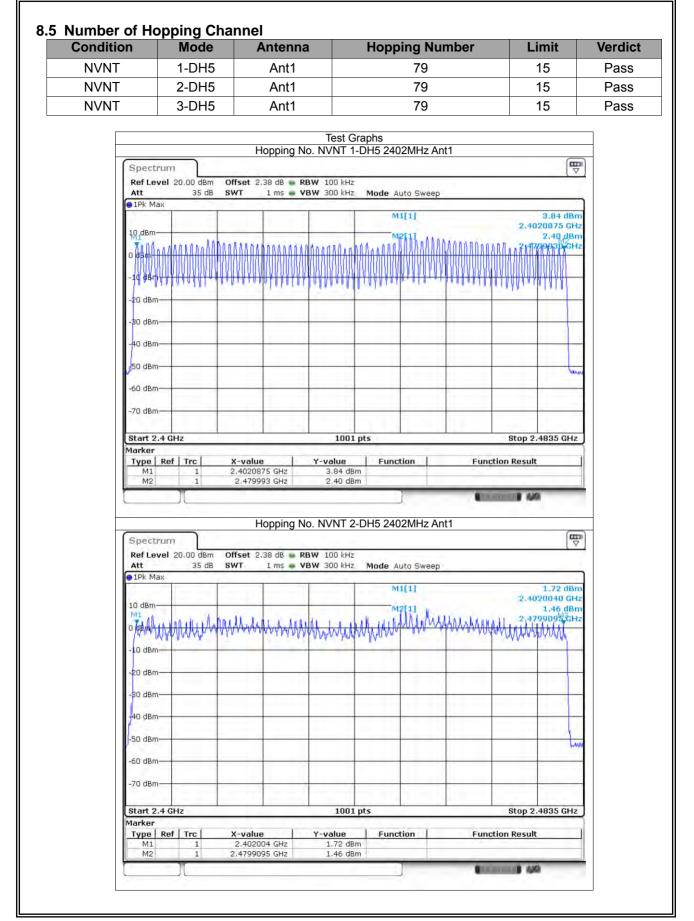




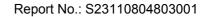


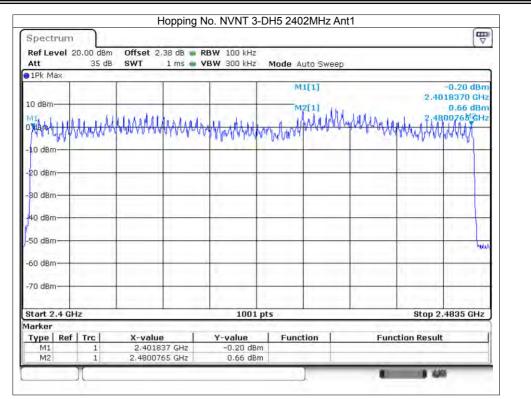












8.6 Band Edge

Condition	Mode	Frequency	Antenna	Hopping	Max Value	Limit	Verdict
		(MHz)		Mode	(dBc)	(dBc)	
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.45	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.04	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.66	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-51.56	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-54.39	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-53.62	-20	Pass





Spectrur	7			1-DH5 240					1	m ∀
Ref Level Att	20.00 dBm 35 dB			BW 100 kHz BW 300 kHz	Mode A	uto FFT				[v
SGL Count	t 100/100	-	-		_					
TER Man					M	1[1]		-	3.78	dBn
								2.402	202400	
10 dBm		-		N	1				-	
				1	5					
0 dBm				/-	1					
10.00				1	1					
-10 dBm	1				1		L			
00 40-										
-20 dBm	1							1		
-30 dBm								1		
-50 0000				1)			1		
-40 dBm					1					
-40 000			1					h		
-50 dBm						5				
	nn	an -l	w			1m	inna	-	A	
-60 dBm-	$\gamma \sim \gamma \sim$	mary a			-		A. A. A. M.	w Jan	n n	vir
				· · · · · ·		1.0				
-70 dBm					_			· · · · · ·		
			1		12.000	11		1		
			-							
CF 2.402	GHZ		_	1001	pts			Spa	an 8.0 M	IHZ
Spectrur	n			DH5 2402M		No-Hoppir	ng Emissio	on		m ⊽
Ref Level Att	n 20.00 dBm 35 dB	Offset 2	2.38 dB 🝙 F	DH5 2402M RBW 100 kHz YBW 300 kHz	z		ng Emissio	on		H ∀
Ref Level	n 20.00 dBm 35 dB	Offset 2	2.38 dB 🝙 F	RBW 100 kHz	z		ng Emissio	on		H ∇
Ref Level Att SGL Count	n 20.00 dBm 35 dB	Offset 2	2.38 dB 🝙 F	RBW 100 kHz	z Mode 4		ng Emissio		4.02	dBn
Ref Level Att SGL Count	n 20.00 dBm 35 dB	Offset 2	2.38 dB 🝙 F	RBW 100 kHz	2 2 Mode / M	Auto FFT.	ng Emissio	2.402	205000	dBn GH:
Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 35 dB	Offset 2	2.38 dB 🝙 F	RBW 100 kHz	2 2 Mode / M	Auto FFT	ng Emissio	2.402		dBn GH:
Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 35 dB	Offset 2	2.38 dB 🝙 F	RBW 100 kHz	2 2 Mode / M	Auto FFT.	ng Emissio	2.402	205000 -55.38	dBn GH:
Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB 🝙 F	RBW 100 kHz	2 2 Mode / M	Auto FFT.	ng Emissio	2.402	205000 -55.38	dBn GH:
Ref Level Att SGL Count 1Pk Max 1D dBm	n 20.00 dBm 35 dB	Offset 2 SWT 22	2.38 dB 🝙 F	RBW 100 kHz	2 2 Mode / M	Auto FFT.	ng Emissio	2.402	205000 -55.38	dBn GH:
Ref Level Att SGL Count 1Pk Max 1D dBm	n 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB 🝙 F	RBW 100 kHz	2 2 Mode / M	Auto FFT.	ng Emissio	2.402	205000 -55.38	dBn GH:
Ref Level Att SGL Count 1Pk Max 1D dBm	n 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB 🝙 F	RBW 100 kHz	2 2 Mode / M	Auto FFT.		2.402	205000 -55.38	dBn GH:
Ref Level Att SGL Count 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm-	n 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB 🝙 F	RBW 100 kHz	2 2 Mode / M	Auto FFT.		2.402	205000 -55.38	dBn GH:
Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	n 20.00 dBm 35 dB t 100/100	Offset 2 SWT 22	2.38 dB 🝙 F	RBW 100 kHz	2 Mode /	Auto FFT.	ng Emissio	2.402	205000 -55.38	dBn GH:
Ref Level Att SGL Count • 1Pk Max 10 dBm	n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB F 7.5 μs F	RBW 100 kHz YBW 300 kHz	2 Mode / M	Auto FFT		2.402 2.400	205000	dBn GH: GH:
Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB F 7.5 μs F	RBW 100 kHz YBW 300 kHz	2 Mode / M	Auto FFT		2.402	205000 -55.38 100000	dBn GH:
Ref Level Att SGL Count ID dBm D dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB F 7.5 μs F	RBW 100 kHz YBW 300 kHz	2 Mode / M	Auto FFT		2.402 2.400	205000	dBn GH: GH:
Ref Level Att SGL Count 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB F 7.5 μs F	RBW 100 kHz YBW 300 kHz	2 Mode / M	Auto FFT		2.402 2.400	205000	dBn GH: GH:
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB F 7.5 μs F	RBW 100 kHz VBW 300 kHz	2 Mode A M. M.	Auto FFT		2.402 2.400 <u>M3</u> 2440	205000 -55.38 100000	dBn GH: GH:
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2.30	n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB F 7.5 μs F	RBW 100 kHz YBW 300 kHz	2 Mode A M. M.	Auto FFT		2.402 2.400 <u>M3</u> 2440	205000	dBn GH: GH:
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2.30 Marker	n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB F 7.5 μs N	RBW 100 kHz YBW 300 kHz Image: state st	2 Mode A	Auto FFT	mphantageneric	2.402 2.400 	205000 -55.38 000000 	dBn GH: GH:
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2.30	n 20.00 dBm 35 dB 100/100	Offset 2 SWT 22	2.38 dB F 7.5 μs N	RBW 100 kHz VBW 300 kHz	2 Mode / M. M. M.	Auto FFT	mphantageneric	2.402 2.400 <u>M3</u> 2440	205000 -55.38 000000 	dBn GH: GH:
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 2.30 Marker Type Re M1 M2	n 20.00 dBm 35 dB 100/100 01 -16.223 01 -16.223 05 GHz 06 GHz 01 1 1	Offset 2 SWT 22 dBm dBm dww/hy.un.un dww/hy.un.un dww/hy.un.un dww/hy.un.un dww/hy.un.un dww/hy.un.un dww/hy.un.un dww/hy.un.un dww/hy.u	2.38 dB F F 7.5 μs N	RBW 100 kHz VBW 300 kHz VBW 3	2 Mode / M. M. M. M. Pts pts 	Auto FFT	mphantageneric	2.402 2.400 	205000 -55.38 000000 	dBn GH: GH:
Ref Level Att SGL Count SGL Count 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2.30 Marker Type M1 M2 M3	n 20.00 dBm 35 dB 100/100 -01 -16.223 -01 -16.215 -01 -16.215 -	Offset 2 SWT 22 dBm dBm dBm dBm dBm dBm dBm dBm 22 2.402(22.2)	2.38 dB F F 7.5 μs N	RBW 100 kHz YBW 300 kHz YBW 300 kHz ////////////////////////////////////	2 Mode / M M M M M M M Functor m m m	Auto FFT	mphantageneric	2.402 2.400 	205000 -55.38 000000 	dBn GH: GH:
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 2.30 Marker Type Re M1 M2	n 20.00 dBm 35 dB 100/100 01 -16.223 01 -16.223 05 GHz 06 GHz 01 1 1	Offset 2 SWT 22 dBm dBm dBm dBm dBm dBm dBm dBm 22 2.402(22.2)	2.38 dB F F 7.5 μs N	RBW 100 kHz VBW 300 kHz VBW 3	2 Mode / M M M M M M M Functor m m m	Auto FFT	Func	2.402 2.400 M3 wWn, hlw, Mar Stop	205000 -55.38 000000 	dBn GH: GH:
Ref Level Att SGL Count SGL Count 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2.30 Marker Type M1 M2 M3	n 20.00 dBm 35 dB 100/100 -01 -16.223 -01 -16.215 -01 -16.215 -	Offset 2 SWT 22 dBm dBm dBm dBm dBm dBm dBm dBm 22 2.402(22.2)	2.38 dB F F 7.5 μs N	RBW 100 kHz YBW 300 kHz YBW 300 kHz ////////////////////////////////////	2 Mode / M M M M M M M Functor m m m	Auto FFT	Func	2.402 2.400 	205000 -55.38 000000 	dBn GH: GH:



Att	35 dB	Offset 2.42 d SWT 18.9 µ	iB 💼 RBW 100 kH: Js 🖷 YBW 300 kH:		to FFT			
SGL Count : 1Pk Max	100/100	1						-
				MI	[1]			2,28 dBm
10 dBm					-	i	2.479	96800 GHz
10 0.011			IN	1				
0 dBm				m		-		
-10 dBm					-			-
-20 dBm				$\langle \cdot \rangle$				
-20 0011								
-30 dBm					-			
To stress of			1					11.000
-40 dBm			/					
-50 dBm	10-10-1							
Jan	na	mon	w		m	m	non n	man
-60 dBm-	a Para	N.N. A.					. ha h	The second
								1
-70 dBm						-		1
1								
CF 2.48 GH	Z		100	1 pts			Spa	n 8.0 MHz
Spectrum Ref Level 3)(B 	Offset 2.42	NT 1-DH5 2480	MHz Ant1 N		ng Emissio	on	
Ref Level : Att SGL Count	20.00 dBm 35 dB	Offset 2.42		MHz Ant1 N		ng Emissio	on	
Ref Level : Att	20.00 dBm 35 dB	Offset 2.42	dB 🖷 RBW 100 kH	MHz Ant1 N Hz Hz Mode At	uto FFT.	ng Emissio	on	
Ref Level 3 Att SGL Count 3 9 1Pk Max	20.00 dBm 35 dB	Offset 2.42	dB 🖷 RBW 100 kH	MHz Ant1 N	uto FFT.	ng Emissio	10.00	2.20 dBm 995000 GHz
Ref Level 2 Att SGL Count 2 1Pk Max	20.00 dBm 35 dB	Offset 2.42	dB 🖷 RBW 100 kH	MHz Ant1 N Hz Hz Mode At	uto FFT.	ng Emissio	2.479	2.20 dBm 995000 GHz -55.09 dBm
Ref Level 3 Att SGL Count 3 9 1Pk Max	20.00 dBm 35 dB	Offset 2.42	dB 🖷 RBW 100 kH	Hz Ant1 N Hz Hz Mode At	uto FFT.	ng Emissio	2.479	2.20 dBn 995000 GHz
Ref Level 2 Att SGL Count 2 1Pk Max	20.00 dBm 35 dB	Offset 2.42	dB 🖷 RBW 100 kH	Hz Ant1 N Hz Hz Mode At	uto FFT.	ng Emissio	2.479	2.20 dBm 995000 GHz -55.09 dBm
Ref Level 3 Att SGL Count 1 1Pk Max 10 dBm -10 dBm	20.00 dBm 35 dB	Offset 2.42 SWT 227.5	dB 🖷 RBW 100 kH	Hz Ant1 N Hz Hz Mode At	uto FFT.	ng Emissio	2.479	2.20 dBm 995000 GHz -55.09 dBm
Ref Level 3 Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.42 SWT 227.5	dB 🖷 RBW 100 kH	Hz Ant1 N Hz Hz Mode At	uto FFT.		2.479	2.20 dBm 995000 GHz -55.09 dBm
Ref Level : Att SGL Count : ID dBm D dBm -10 dBm -20 dBm -30 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.42 SWT 227.5	dB 🖷 RBW 100 kH	Hz Ant1 N Hz Hz Mode At	uto FFT.	ng Emissio	2.479	2.20 dBm 995000 GHz -55.09 dBm
Ref Level 3 Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.42 SWT 227.5	dB 🖷 RBW 100 kH	Hz Ant1 N Hz Hz Mode At	uto FFT.	ng Emissio	2.479	2.20 dBm 995000 GHz -55.09 dBm
Ref Level 3 Att SGL Count • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 aBm	B 20.00 dBm 35 dB 100/100 D1 -17.722	Offset 2.42 SWT 227.5	dB • RBW 100 kH	MHz Ant1 N	110 FFT		2.479	2.20 dBm 195000 GHz 55.09 dBm 50000 GHz
Ref Level 3 Att SGL Count • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 aBm	B 20.00 dBm 35 dB 100/100 D1 -17.722	Offset 2.42 SWT 227.5	dB 🖷 RBW 100 kH	MHz Ant1 N	110 FFT		2.479	2.20 dBm 195000 GHz 55.09 dBm 50000 GHz
Ref Level : Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 aBm -50 dBm -60 dBm	B 20.00 dBm 35 dB 100/100 D1 -17.722	Offset 2.42 SWT 227.5	dB • RBW 100 kH	MHz Ant1 N	110 FFT		2.479	2.20 dBm 195000 GHz 55.09 dBm 50000 GHz
Ref Level : Att SGL Count : ID dBm -10 dBm -20 cBm -30 cBm -40 aBm -50 dBm	B 20.00 dBm 35 dB 100/100 D1 -17.722	Offset 2.42 SWT 227.5	dB • RBW 100 kH	MHz Ant1 N	110 FFT		2.479	2.20 dBm 195000 GHz 55.09 dBm 50000 GHz
Ref Level : Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 aBm -50 dBm -60 dBm	B 20.00 dBm 35 dB 100/100 D1 -17.722 M4	Offset 2.42 SWT 227.5	dB = RBW 100 kł µs = VBW 300 kł	MHz Ant1 N	110 FFT		2.479 2.483 	2.20 dBm 195000 GHz 55.09 dBm 50000 GHz
Ref Level : Att SGL Count ID dBm -10 dBm -20 dBm -30 dBm -40 aBm -50 dBm -70 dBm -70 dBm Start 2.476	B 20.00 dBm 35 dB 100/100 D1 -17.722 M4 Mr/wm/life GHz	Offset 2.42 SWT 227.5	dB = RBW 100 kł µs = VBW 300 kł	MHz Ant1 N Hz Ant1 N Hz Mode Au M1 M2 M2 M1 M2 M1 M2	uto FFT [1] [1] (1]	Wite has groly and	2.479 2.483 	2.20 dBm 95000 GHz 55.09 dBm 56000 GHz
Ref Level : Att SGL Count : ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 aBm -50 dBm -50 dBm -70 dBm -70 dBm	B 20.00 dBm 35 dB 100/100 D1 -17.722 M4 Mr/wm/life GHz	Offset 2.42 SWT 227.5	dB = RBW 100 kH µs = VBW 300 kH	MHz Ant1 N	uto FFT [1] [1] (1]	Wite has groly and	2.479 2.483 	2.20 dBm 95000 GHz 55.09 dBm 56000 GHz
Ref Level : Att SGL Count : ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 aBm -50 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm Start 2.476 Marker Type Ref M2	B 20.00 dBm 35 dB 100/100 D1 -17.722 M4 My/wm/MpA 6 GHz I Trc I 1 1	Offset 2.42 SWT 227.5	dB = RBW 100 kł µs = VBW 300 kł	MHz Ant1 N	uto FFT [1] [1] (1]	Wite has groly and	2.479 2.483 	2.20 dBm 95000 GHz 55.09 dBm 56000 GHz
Ref Level : Att SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -70 dBm Start 2.476 Marker Type Ref M1	B 20.00 dBm 35 dB 100/100 01 -17.722 01 -17.722 M4 Mr4wm/Mpt 6Hz I Trc 1	Offset 2.42 SWT 227.5	dB = RBW 100 kł µs • VBW 300 kł	MHz Ant1 N Hz Hz Hz Mode Au M1 M2 M2 M1 M2 M2 M1 M2 M2 M4 M2 M4	uto FFT [1] [1] (1]	Wite has groly and	2.479 2.483 	2.20 dBm 95000 GHz 55.09 dBm 56000 GHz



Spectrum Ref Level 2		Offset 2.3	8 dB 💼	RBW 100 kHz					
Att SGL Count 1	35 dB			YBW 300 kHz	Mode Aut	0 FFT			
1Pk Max	-	1 T		1 1	MI	41		_	2,63 dBm
in the second				1.1.2.1	mil	11		2,402	214390 GHz
10 dBm	_			M	4	-			
				X	ţ.	1.1.1			
0 dBm				- A	m			1	
-10 dBm				1					
10 40.00				1					
-20 dBm		-		1		_			
1 march 1									
-30 dBm					1				
40 dbm					1	0			
-40 dBm			mA		1	SA		·	
-50 dBm			- V				1 man	~	
non	w	mm					Am	m	m
-60 dBm	v			-			-	*	
-70 dBm									
122									
	17			1001 pt	te.			Spa	n 8.0 MHz
CF 2.402 Gl)[В			-DH5 2402MH]	o-Hoppir	ng Emissio		
Spectrum Ref Level 2 Att	20.00 dBm 35 dB	Offset 2.3	38 dB 🖷		Iz Ant1 N		ng Emissio		
Spectrum Ref Level 2 Att SGL Count 1	20.00 dBm 35 dB	Offset 2.3	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N		ng Emissio		
Spectrum Ref Level 2 Att SGL Count 1	20.00 dBm 35 dB	Offset 2.3	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N	ito FFT	ng Emissio	on	(₩ ∇ 1.78 dBrr
Spectrum Ref Level 2 Att SGL Count 1	20.00 dBm 35 dB	Offset 2.3	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N Mode Au	ito FFT.	ng Emissio	on 2.401	
Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max	20.00 dBm 35 dB	Offset 2.3	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N Mode Au	ito FFT.	ng Emissio	2.401	(₩ ∇ 1.78 dBrr
Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 10 dBm 0 dBm	20.00 dBm 35 dB	Offset 2.3	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N Mode Au	ito FFT.	ng Emissio	2.401	1.78 dBm 1.78 dBm 185000 GH2 -53.43/dBm
Spectrum Ref Level 2 Att SGL Count 1 O IPk Max 10 dBm 0 dBm -10 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N Mode Au	ito FFT.	ng Emissio	2.401	1.78 dBm 1.78 dBm 185000 GH2 -53.43/dBm
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 35 dB	Offset 2.3 SWT 227	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N Mode Au	ito FFT.	ng Emissio	2.401	1.78 dBm 1.78 dBm 185000 GH2 -53.43/dBm
Spectrum Ref Level 2 Att SGL Count 1 O IPk Max 10 dBm 0 dBm -10 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N Mode Au	ito FFT.	ng Emissio	2.401	1.78 dBm 1.78 dBm 185000 GH2 -53.43/dBm
Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N Mode Au	ito FFT.	ng Emissio	2.401	1.78 dBm 1.78 dBm 185000 GH2 -53.43/dBm
Spectrum Ref Level 2 Att SGL Count 1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB 🖷	-DH5 2402MH RBW 100 kHz	Iz Ant1 N Mode Au	ito FFT.	ng Emissio	2.401	1.78 dBm L85000 GH2 -59.43 dBm 000000 GH2
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 1D dBm -1D dBm -20 dBm -20 dBm -30 dBm -40 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB .5 µs	-DH5 2402MH RBW 100 kH2 YBW 300 kH2	Mode Au Mode Au	1] 1]		2.401	1.78 dBm 185000 GH2 53.45 MBm 500000 GH2
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 1D dBm -1D dBm -20 dBm -20 dBm -30 dBm -40 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB .5 µs	-DH5 2402MH RBW 100 kHz	Mode Au Mode Au	1] 1]		2.401	1.78 dBm 185000 GH2 53.45 MBm 500000 GH2
Spectrum Ref Level 2 Att SGL Count 1 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB .5 µs	-DH5 2402MH RBW 100 kH2 YBW 300 kH2	Mode Au Mode Au	1] 1]		2.401	1.78 dBm 185000 GH2 53.45 MBm 500000 GH2
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -50 dBm -60 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB .5 µs	-DH5 2402MH RBW 100 kH2 YBW 300 kH2	Mode Au Mode Au	1] 1]		2.401	1.78 dBm 185000 GH2 53.45 MBm 500000 GH2
Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max • 1Pk Max • 0 dBm • 10 dBm • 20 dBm • 30 dBm • 40 dBm • 50 dBm • 70 dBm • 70 dBm • 70 dBm	B 20.00 dBm 35 dB 100/100	Offset 2.3 SWT 227	38 dB .5 µs	-DH5 2402MH RBW 100 kH2 YBW 300 kH2	Mode Au Mode Au M1[1] 1]		2.400	1.78 dBm 185000 GH2 53.45 MBm 500000 GH2
Spectrum Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.306	B 20.00 dBm 35 dB 100/100 01 -17.366	Offset 2.3 SWT 227	38 dB .5 µs	-DH5 2402MH RBW 100 kHz YBW 300 kHz	Mode Au Mode Au M1[1] 1]		2.401 2.400 2.400	1.78 dBm L85000 GH2 53.434Bm b00000 GH2
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.306 Marker Type Ref M1	B 20.00 dBm 35 dB 100/100 01 -17,366 01 -17,366 GHz [Trc] 1	Offset 2:3 SWT 227	38 dB 5 μs	-DH5 2402MH RBW 100 kHz VBW 300 kHz 	Mode Au Mode Au M1[1] 1]		2.400	1.78 dBm L85000 GH2 53.434Bm b00000 GH2
Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max • 1Pk Max • 1D dBm • 20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.306 Marker Type Ref M1 M2	B 20.00 dBm 35 dB 100/100 01 -17.366 01 -17.366 GHz GHz 1 1	Offset 2.3 SWT 227	38 dB .5 μs Μ4 Μ4 5 GHz + GHz	-DH5 2402MH RBW 100 kHz YBW 300 kHz 100 kHz	Mode Au Mode Au M1[1] 1]		2.401 2.400 2.400	1.78 dBm L85000 GH2 53.434Bm b00000 GH2
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.306 Marker Type Ref M1	B 20.00 dBm 35 dB 100/100 01 -17,366 01 -17,366 GHz [Trc] 1	Offset 2.3 SWT 227	38 dB 5 μs	-DH5 2402MH RBW 100 kHz VBW 300 kHz 	Mode Au Mode Au M1[1] 1]		2.401 2.400 2.400	1.78 dBm L85000 GH2 53.434Bm b00000 GH2



Spectrum Ref Level 20.0 Att	35 dB			BW 100 kHz BW 300 kHz 1	Mode Auto	FFT			("
SGL Count 100/	100	-				-			-
					M1[1	1			-1,20 dBn
10 dBm			1			-		2.480	004800 GH:
10 0.011									1.122
0 dBm			-	111			-	-	
				myn	M				
-10 dBm	-		_	1	1	-		1	1
-20 dBm	_								. r
20 0011									1
-30 dBm			_	1		-	_		-
the second second									
-40 dBm	- 1		٨		h				
-50 dBm			1		V V	1			
mann	nn	mond	N			Lon	man	n.n.m	man
-60 dBm	~ ~		_				~ ~	~ vi	-www.
10-11-1									
-70 dBm							-	-	-
1									
CF 2.48 GHz				1001 pt:	s		-	Spa	an 8.0 MHz
Spectrum				DH5 2480MH]	-Hoppiı	ng Emissi	on	ø [₩ ⊽
Spectrum Ref Level 20.0 Att SGL Count 100/	0 dBm 35 dB	Offset 2.42	2 dB 🖷 I		z Ant1 No		ng Emissi	on	• • ⊽
Spectrum Ref Level 20.0 Att	0 dBm 35 dB	Offset 2.42	2 dB 🖷 I	DH5 2480MH	z Ant1 No-	FFT.	ng Emissi	on	,
Spectrum Ref Level 20.0 Att SGL Count 100/ • 1Pk Max	0 dBm 35 dB	Offset 2.42	2 dB 🖷 I	DH5 2480MH	z Ant1 No- Mode Auto M1[1) FFT.	ng Emissi		-0.73 dBn 005000 GH:
Spectrum Ref Level 20.0 Att SGL Count 100/ @1Pk Max 10 dBm- M1	0 dBm 35 dB	Offset 2.42	2 dB 🖷 I	DH5 2480MH	z Ant1 No-) FFT.	ng Emissi	2.480	-0.73 dBn 005000 GH: -55.21 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ • 1Pk Max 10 dBm	0 dBm 35 dB	Offset 2.42	2 dB 🖷 I	DH5 2480MH	z Ant1 No- Mode Auto M1[1) FFT.	ng Emissi	2.480	-0.73 dBn 005000 GH:
Spectrum Ref Level 20.0 Att SGL Count 100/ @1Pk Max 10 dBm- M1	0 dBm 35 dB	Offset 2.42	2 dB 🖷 I	DH5 2480MH	z Ant1 No- Mode Auto M1[1) FFT.	ng Emissi	2.480	-0.73 dBn 005000 GH: -55.21 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm -10 dBm -10 dBm	0 dBm 35 dB	Offset 2.44 SWT 227.3	2 dB 🖷 I	DH5 2480MH	z Ant1 No- Mode Auto M1[1) FFT.	ng Emissi	2.480	-0.73 dBn 005000 GH: -55.21 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -21 dBm -10 - 01 -	0 dBm 35 dB /100	Offset 2.44 SWT 227.3	2 dB 🖷 I	DH5 2480MH	z Ant1 No- Mode Auto M1[1) FFT.	ng Emissi	2.480	-0.73 dBn 005000 GH: -55.21 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm -10 dBm -10 dBm -10 dBm -30 dBm -30 dBm	0 dBm 35 dB /100	Offset 2.44 SWT 227.3	2 dB 🖷 I	DH5 2480MH	z Ant1 No- Mode Auto M1[1) FFT.	ng Emissi	2.480	-0.73 dBn 005000 GH: -55.21 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ PIPk Max 10 dBm- -10 dBm- -10 dBm- -20 dBm- D1 -	0 dBm 35 dB /100	Offset 2.4/ SWT 227.3	2 dB 🖷 I	DH5 2480MH	z Ant1 No- Mode Auto M1[1) FFT.	ng Emissi	2.480	-0.73 dBn 005000 GH: -55.21 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ 10 dBm- 10 dBm- -10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -40 dBm-	0 dBm 35 dB /100	dBm	2 dB 1 5 µs • '	DH5 2480MH	Z Ant1 No- Mode Auto M1[1 M2[1) FFT.		2.480	-0.73 dBn 005000 GH: -55.21 dBn 350000 GH:
Spectrum Ref Level 20.0 Att SGL Count 100/ 10 dBm- 10 dBm- -10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -40 dBm-	0 dBm 35 dB /100	dBm	2 dB 1 5 µs • '	DH5 2480MH	Z Ant1 No- Mode Auto M1[1 M2[1) FFT.		2.480	-0.73 dBn 005000 GH: -55.21 dBn 350000 GH:
Spectrum Ref Level 20.0 Att SGL Count 100/ • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -60 dBm	0 dBm 35 dB /100	dBm	2 dB 1 5 µs • '	DH5 2480MH	Z Ant1 No- Mode Auto M1[1 M2[1) FFT.		2.480	-0.73 dBn 005000 GH: -55.21 dBn 350000 GH:
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 1D dBm -1D dBm -10 dBm -1	0 dBm 35 dB /100	dBm	2 dB 1 5 µs • '	DH5 2480MH	Z Ant1 No- Mode Auto M1[1 M2[1) FFT.		2.480	-0.73 dBn 005000 GH: -55.21 dBn 350000 GH:
Spectrum Ref Level 20.0 Att SGL Count 100/ 10 dBm 10 dBm -10 dBm -10 dBm -20 cBm -20 cBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm	0 dBm 35 dB. /100	dBm	2 dB 1 5 µs • '	DH5 2480MH	Z Ant1 No-) FFT.		2.481 2.483	-0.73 dBn 005000 GH: -55.21 dBn 350000 GH:
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 1D dBm- 1D dBm- 1D dBm- 20 cBm- 20 cBm- 21 cBm- 2	21.204	dBm	2 dB 1 5 µs • '	DH5 2480MH	z Ant1 No- Mode Auto M1[1 M2[1	D FFT.	glywine mag	2.48(2.48)	-0.73 dBn 005000 GH; -55.21 dBn 350000 GH;
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 1D dBm -10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm	21.204	Offset 2.42 SWT 227.3 dBm dBm M4 AD plot Manual plot M	2 dB 15 µs 1	DH5 2480MH RBW 100 kHz VBW 300 kHz 	Z Ant1 No-	D FFT.	glywine mag	2.481 2.483	-0.73 dBn 005000 GH; -55.21 dBn 350000 GH;
Spectrum Ref Level 20.0 Att SGL Count 100/ 10 dBm 10 dBm -10 dBm -10 dBm -20 cBm -20 cBm -30 dBm -40 dBm -50 dBm -70	21.204	Offset 2.42 SWT 227.3	2 dB I I 5 μs I I GHz GHz GHz	DH5 2480MH: RBW 100 kHz yBW 300 kHz	z Ant1 No- Mode Auto M1[1 M2[1	D FFT.	glywine mag	2.48(2.48)	-0.73 dBn 005000 GH; -55.21 dBn 350000 GH;
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm	21.204	Offset 2.42 SWT 227.3 dBm dBm M4 AD plot Manual plot M	2 dB I I 5 µs I GHz GHz GHz GHz	DH5 2480MH RBW 100 kHz VBW 300 kHz 	z Ant1 No- Mode Auto M1[1 M2[1	D FFT.	glywine mag	2.48(2.48)	-0.73 dBn 005000 GH; -55.21 dBn 350000 GH;



Ref Level 2 Att	20.00 dBm 35 dB			RBW 100 kHz VBW 300 kHz	Modo Auto FFT			∇
SGL Count 1		3WI 10	'a ha	YBW 300 KH2	MODE AUTO FFT			
1Pk Max	1.1.1	1 1		1				
1					M1[1]		2,402	2,84 dBm 204000 GH:
10 dBm		+ +				-	+	
0.07				NI I	11111			
0 dBm	-			mal	m			
-10 dBm				N	-			
-10 uBm			-		1			
-20 dBm					1			
					A A A A A A A A A A A A A A A A A A A			
-30 dBm		-	_			_		
			1 -				1	11 11 1
-40 dBm			-		102		-	-
co do-			N		V	X		
-50 dBm	or	mant				ha	-	00
-60 dBm	a vara	d i shi i	_			×	min	hann
SE GEN								
-70 dBm			-			_		
								1.000
CF 2.402 GH	17		-	1001 pt		-	Sna	n 8.0 MHz
Spectrum Ref Level 2			1	3-DH5 2402MH	z Ant1 No-Ho	oping Emissi	ion	
Spectrum Ref Level 2 Att SGL Count 1	20.00 dBm 35 dB	Offset 2.	.38 dB 🖷			1	ion	(W
Ref Level 2 Att SGL Count 1	20.00 dBm 35 dB	Offset 2.	.38 dB 🖷	RBW 100 kHz	Mode Auto FF1	1	ion	
Ref Level 2 Att SGL Count 1 1Pk Max	20.00 dBm 35 dB	Offset 2.	.38 dB 🖷	RBW 100 kHz	1.5.7.4.15.1	1		0.82 dBn
Ref Level 2 Att SGL Count 1	20.00 dBm 35 dB	Offset 2.	.38 dB 🖷	RBW 100 kHz	Mode Auto FF1	1	2.401	0.82 dBn 195000 GHa -52.24 dBn
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2.	.38 dB 🖷	RBW 100 kHz	Mode Auto FF1	1	2.401	0.82 dBm 195000 GHz
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm	20.00 dBm 35 dB	Offset 2.	.38 dB 🖷	RBW 100 kHz	Mode Auto FF1	1	2.401	0.82 dBn 195000 GHa -52.24 dBn
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 35 dB	Offset 2. SWT 22	.38 dB 🖷	RBW 100 kHz	Mode Auto FF1	1	2.401	0.82 dBn 195000 GHa -52.24 dBn
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	.38 dB 🖷	RBW 100 kHz	Mode Auto FF1	1	2.401	0.82 dBn 195000 GHa -52.24 dBn
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	.38 dB 🖷	RBW 100 kHz	Mode Auto FF1	1	2.401	0.82 dBn 195000 GHa -52.24 dBn
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	.38 dB 🖷	RBW 100 kHz	Mode Auto FF1	1	2.401	0.82 dBn 195000 GHa -52.24 dBn
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	38 dB 7.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FF1 M1[1] M2[1]		2.401	0.82 dBn 195000 GH2 52.24 dBn 000000GH2
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	38 dB 7.5 µs	RBW 100 kHz	Mode Auto FF1 M1[1] M2[1]		2.401	0.82 dBn 195000 GH2 52.24 dBn 000000GH2
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	38 dB 7.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FF1 M1[1] M2[1]		2.401	0.82 dBn 195000 GH2 52.24 dBn 000000GH2
Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	38 dB 7.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FF1 M1[1] M2[1]		2.401	0.82 dBn 195000 GH2 52.24 dBn 000000GH2
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	38 dB 7.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FF1		2.401 2.400	0.82 dBn 195000 GH2 -52.24 dBn 000000GH2
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -70 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	38 dB 7.5 µs	RBW 100 kHz YBW 300 kHz	Mode Auto FF1		2.401 2.400	0.82 dBn 195000 GH2 52.24 dBn 000000GH2
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -70 dBm	20.00 dBm 35 dB 100/100	Offset 2. SWT 22	38 dB 7.5 µs М4 мі м ^и м ^и	RBW 100 kHz YBW 300 kHz	Mode Auto FF1		2.401 2.400	0.82 dBn 195000 GHz -52.24 gBn 000000 GHz M2
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Type Ref M1	20.00 dBm 35 dB 100/100 01 -17,150 6Hz GHz 1 Trc 1	Offset 2. SWT 22 dBm	.38 dB 7.5 µs М4 м/М/ ^л лин 5 GHz	RBW 100 kHz VBW 300 kHz	Mode Auto FF1		2.401 2.400	0.82 dBn 195000 GHz -52.24 gBn 000000 GHz M2
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.306 Marker Type Ref	20.00 dBm 35 dB 100/100 01 -17,150 01 -17,15	Offset 2. SWT 22 dBm dBm x/ubrwy.ukuw x-value 2.4019 2.	38 dB 7.5 µs М4 м/М ^М лен- 5 GHz 4 GHz	RBW 100 kHz VBW 300 kHz	Mode Auto FF1		2.401 2.400	0.82 dBn 195000 GHz -52.24 gBn 000000 GHz M2
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 2.306 Marker Type Ref M1 M2	20.00 dBm 35 dB 100/100 01 -17,150 6Hz GHz 1 Trc 1	Offset 2. SWT 22 dBm dBm Aubrony.Johnson X-value 2.4019 2. 2.3	.38 dB 7.5 µs М4 м/М/ ^л лин 5 GHz	RBW 100 kHz VBW 300 kHz	Mode Auto FF1		2.401 2.400	0.82 dBn 195000 GHz -52.24 gBn 000000 GHz M2



Spectrur Ref Level	n 20.00 dBr	n Offset 2.42 di	B 👜 RBW 100 kHz				[₩ V
Att SGL Count	35 di		s 9 YBW 300 kHz	Mode Auto FF	т		
1Pk Max	r	1 1	- 1 - I	M1[1]			1.07 dBn
1000			2 1 2 2 1	wiftl		2,480	104800 GH
10 dBm	*					1	
			141	1			
0 dBm						-	
			m	m			
-10 dBm—			ſ	1		1	
-20 dBm							
-30 dBm						1	1
-Se dom							
-40 dBm							
CONTROL .			14	n			
-50 dBm			1	- M			
non	mm	mon	-1		mon	nom	mon
-60 dBm							
-70 dBm						-	*
	Ú.a.	1. L	1001	nte		Spa	n 8.0 MHz
Spectrur)[NT 3-DH5 2480M	1Hz Ant1 No-Ho	opping Emissio	on	•
	n 20.00 dBn 35 dl	n Offset 2.42 (IHz Ant1 No-Ho		on	8
Spectrur Ref Level Att	n 20.00 dBn 35 dl	n Offset 2.42 (NT 3-DH5 2480M	IHz Ant1 No-Ho		on	¶ [₩ ⊽
Spectrur Ref Level Att SGL Count 1Pk Max	n 20.00 dBn 35 dl	n Offset 2.42 (NT 3-DH5 2480M	IHz Ant1 No-Ho			0.81 dBn
Spectrur Ref Level Att SGL Count 1Pk Max	n 20.00 dBn 35 dl	n Offset 2.42 (NT 3-DH5 2480M	IHz Ant1 No-Ho		2.480	¶ [₩ ⊽
Spectrur Ref Level Att SGL Count • 1Pk Max	n 20.00 dBn 35 dl	n Offset 2.42 (NT 3-DH5 2480M	IHz Ant1 No-Ho Mode Auto Ff		2.480	0.81 dBn 015000 GH:
Spectrur Ref Level Att SGL Couni 1Pk Max 1Pk Max 1D dBm M1 0 dBm	n 20.00 dBn 35 dl	n Offset 2.42 (NT 3-DH5 2480M	IHz Ant1 No-Ho Mode Auto Ff		2.480	0.81 dBn 015000 GH3 55.92 dBn
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm- M1 0 dBm- -10 dBm-	1 n 20.00 dBm 35 dl 100/100	m Offset 2.42 o B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho Mode Auto Ff		2.480	0.81 dBn 015000 GH3 55.92 dBn
Spectrur Ref Level Att SGL Count 1Pk Max 1D dBm- M1 0 dBm- -10 dBm-	n 20.00 dBn 35 dl	m Offset 2.42 o B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho Mode Auto Ff		2.480	0.81 dBn 015000 GH3 55.92 dBn
Spectrur Ref Level Att SGL Count ID dBm M1 0 dBm -10 dBm -10 dBm	1 n 20.00 dBm 35 dl 100/100	m Offset 2.42 o B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho Mode Auto Ff		2.480	0.81 dBn 015000 GH3 55.92 dBn
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm- -10 dBm- -20 dBm- -30 dBm-	1 n 20.00 dBm 35 dl 100/100	m Offset 2.42 o B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho Mode Auto Ff		2.480	0.81 dBn 015000 GH3 55.92 dBn
Spectrur Ref Level Att SGL Count ID dBm- MI 0 dBm- -10 dBm- -20 dBm-	1 n 20.00 dBm 35 dl 100/100	n Offset 2.42 o B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho Mode Auto Ff		2.480	0.81 dBn 015000 GH3 55.92 dBn
Spectrur Ref Level Att SGL Count 10 dBm- 10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	20.00 dBn 35 dt : 100/100	m Offset 2.42 d B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho	т.	2.480	0.81 dBn 015000 GH: 55.92 dBn 55000 GH:
Spectrur Ref Level Att SGL Count 10 dBm- 10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	20.00 dBn 35 dt : 100/100	m Offset 2.42 d B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho	т.	2.480	0.81 dBn 015000 GH: 55.92 dBn 55000 GH:
Spectrur Ref Level Att SGL Count ID dBm 1Pk Max 1D dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	20.00 dBn 35 dt : 100/100	m Offset 2.42 d B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho	т.	2.480	0.81 dBn 015000 GH: 55.92 dBn 55000 GH:
Spectrur Ref Level Att SGL Count 1Pk Max 1D dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm-	20.00 dBn 35 dt : 100/100	m Offset 2.42 d B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho	т.	2.480	0.81 dBn 015000 GH: 55.92 dBn 55000 GH:
Spectrur Ref Level Att SGL Count 10 dBm	1 n 20.00 dBm 35 dl 100/100 100/100 100/100	m Offset 2.42 d B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho IHz Ant1 No-Ho Mode Auto Ff M1[1] M2[1] M2[1]	т.	2.480 2.483	0.81 dBn 015000 GH: 55.92 dBn 55000 GH:
Spectrur Ref Level Att SGL Count 10 dBm— -10 dBm— -20 dBm— -30 dBm— -30 dBm— -50 dBm— -70 dBm— -70 dBm—	1 n 20.00 dBm 35 dl 100/100 100/100 100/100	m Offset 2.42 d B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-Ho IHz Ant1 No-Ho Mode Auto Ff M1[1] M2[1] M2[1]	т.	2.480 2.483	0.81 dBn 015000 GH: 55.92 dBn 55000 GH:
Spectrur Ref Level Att SGL Count 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm	20.00 dBr 35 di 100/100	m Offset 2.42 (B SWT 227.5)	NT 3-DH5 2480M	IHz Ant1 No-Ho	T.	2.480 2.483	0.81 dBn 015000 GH: 55.92 dBn 850000 GH:
Spectrur Ref Level Att SGL Count 1Pk Max 1D dBm- -1D dBm- -20 dBm- -20 dBm- -30 dBm- -50 dBm- -50 dBm- -70 dBm- -70 dBm- Start 2.47 Marker Type Res M1	20.00 dBr 35 dt 100/100	m Offset 2.42 o B SWT 227.5 j	NT 3-DH5 2480M	IHz Ant1 No-He Made Auto FF M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1]	T.	2.480 2.483 Mul Muran Stop :	0.81 dBn 015000 GH: 55.92 dBn 850000 GH:
Spectrur Ref Level Att SGL Count 10 dBm- -10 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -50 dBm- -70 dBm- -70 dBm- -70 dBm- -70 dBm- -70 dBm-	20.00 dBm 35 dt 100/100 =D1 -18.93 (r////.////////////////////////////////	m Offset 2.42 (B SWT 227.5)	NT 3-DH5 2480M	IHz Ant1 No-Ho	T.	2.480 2.483 Mul Muran Stop :	0.81 dBn 015000 GH: 55.92 dBn 850000 GH:
Spectrur Ref Level Att SGL Count • 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm -	20.00 dBr 35 dt 100/100	m Offset 2.42 G	NT 3-DH5 2480M	IHz Ant1 No-Ho	T.	2.480 2.483 Mul Muran Stop :	0.81 dBn 015000 GH: 55.92 dBn 850000 GH:

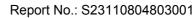




8.7 Band Edge(Hopping)

U.I Dalla L	age(iiop	ping)					
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-56.01	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.33	-20	Pass Pass
NVNT	2-DH5	2402	Ant1	Hopping	-53.44	-20	
NVNT	2-DH5	2480	Ant1	Hopping	-54.84	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-55.55	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-55.67	-20	Pass Pass Pass Pass



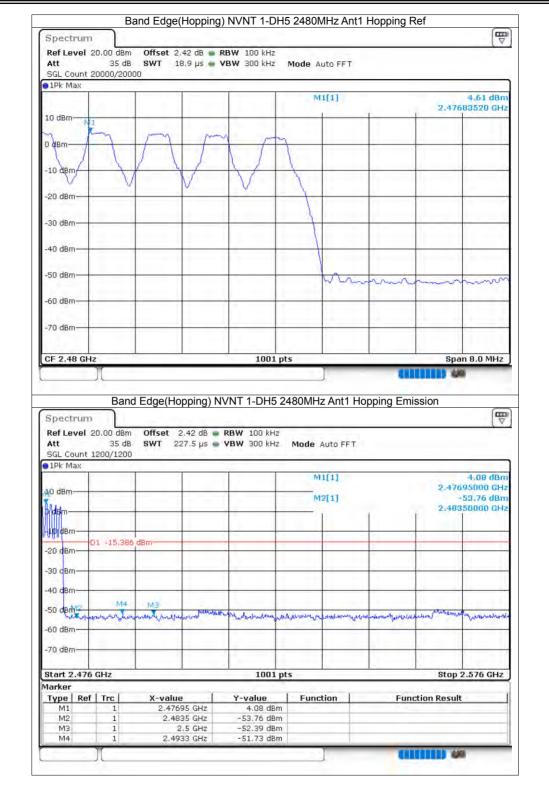


		and Edge(I	-opping)	NVNT 1-DH	15 2402M	Hz Ant1 I	Hopping F	ket	
Spectrun	and the second second		-	0.2					
Att	35 dB			BW 100 kHz BW 300 kHz	Mode Aut	to FFT			
SGL Count 1Pk Max	15000/150	00							
ALE MIGA	(11			MI	[1]		-	6,37 dBm
12.12.1						-		2.40	514890 GHz
10 dBm	·					()- (C)		1	X
D dDee				m	s r	-	M		1-1-
0 dBm						1	7-1		
-10 dBm			_	1	1		1	1	\backslash
				1	V	V		M	V
-20 dBm	-	-	_	1/			-	-	
-30 dBm			-	1					
10.00								1	
-40 dBm			r					1	
ED JD-									
-50 dBm	home	mon	\sim			· · · · · · · · · · · · · · · · · · ·	-		
-60 dBm									
								1	
-70 dBm	-							-	
CF 2.402 0	2112	1 1		1001 p	te			- Cn	an 8.0 MHz
	N/				2				100
		d Edge(Hop	oping) N\	/NT 1-DH5 2	2402MHz	Ant1 Hop	oping Emi	ssion	
Spectrun	n		1.00		2402MHz	Ant1 Hor	oping Emi	ssion	
		Offset 2	.38 dB 📦 I	RBW 100 kHz			oping Emi	ssion	
Ref Level Att SGL Count	n	Offset 2. SWT 22	.38 dB 📦 I				oping Emi	ssion	
Ref Level Att SGL Count	n 20.00 dBm 35 dB	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT	oping Emi	ssion	
Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 35 dB	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz		uto FFT	oping Emi		6.02 dBm
Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 35 dB	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT.	oping Emi	2.40	6.02 dBm 495000 G树香 -54,70 dB香
Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 35 dB	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT.	oping Emi	2.40	6.02 dBm 495000 G内线
Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT.	oping Emi	2.40	6.02 dBm 495000 Gkg -54.70 dBm 006000 dHz
Ref Level Att SGL Count 1Pk Max 1D dBm	n 20.00 dBm 35 dB	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT.	oping Emi	2.40	6.02 dBm 495000 G树香 -54,70 dB香
Ref Level Att SGL Count 1Pk Max 1D dBm	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT.	oping Emi	2.40	6.02 dBm 495000 Gkg -54.70 dBm 006000 dHz
Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT.	oping Emi	2.40	6.02 dBm 495000 Gkg -54.70 dBm 006000 dHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT.	oping Emi	2.40	6.02 dBm 495000 Gkg -54.70 dBm 006000 dHz
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 I	RBW 100 kHz	Mode Au	uto FFT.	oping Emi	2.40	6.02 dBm 495000 Gkg -54.70 dBm 006000 dHz
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 Ν 7.5 μs 👻	RBW 100 kHz	Mode Au	110 FFT		2.40	6.02 dBm 495000 GkA -54.70 dBm 000000 dAk
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 Ν 7.5 μs 👻	RBW 100 kHz	Mode Au	110 FFT	oping Emi	2.40	6.02 dBm 495000 GkA -54.70 dBm 000000 dAk
Ref Level Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 Ν 7.5 μs 👻	RBW 100 kHz	Mode Au	110 FFT		2.40	6.02 dBm 495000 GkA -54.70 dBm 000000 dAk
Ref Level Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	n 20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB 📦 Ν 7.5 μs 👻	RBW 100 kHz	Mode Au	110 FFT		2.40	6.02 dBm 495000 GkA -54.70 dBm 000000 dAk
Ref Level Att SGL Count SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	-01 -13,63	Offset 2. SWT 22	.38 dB 📦 Ν 7.5 μs 👻	RBW 100 kHz	Mode Au M1	110 FFT		2.40 2.40	6.02 dBm 495000 GM -54.70 dBm 006000 (Alle
Ref Level Att SGL Count SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm -70 dBm	-01 -13,63	Offset 2. SWT 22	.38 dB 📦 Ν 7.5 μs 👻	RBW 100 kHz	Mode Au M1	110 FFT		2.40 2.40	6.02 dBm 495000 GkA -54.70 dBm 000000 dAk
Ref Level Att SGL Count SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.300 Marker Type Re	n 20.00 dBm 35 dB 1200/1200 01 -13.63 01 -13.63 6 GHz 6 GHz	Offset 2 SWT 22	.38 dB • 1 7.5 µs • 1 	RBW 100 kHz VBW 300 kHz	Mode Au M1	110 FF T. [1] [1]	toutryman	2.40 2.40	6.02 dBm 495000 Cky -54.70 dBm 006000 dAk
Ref Level Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -60 dBm -70 dBm	n 20.00 dBm 35 dB 1200/1200 01 -13.634 -01 -13.634	Offset 2 SWT 22	.38 dB) 1 7.5 µs • 1 	RBW 100 kHz VBW 300 kHz	Mode Au M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	110 FF T. [1] [1]	toutryman	2.40 2.40 	6.02 dBm 495000 Cky -54.70 dBm 006000 dAk
Ref Level Att SGL Count SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.300 Marker Type Re	1200.00 dBm 35 dB 1200/1200 01 -13.634 01 -13.634 6 GHz 6 GHz 1 1 1	Offset 2. SWT 22	.38 dB • 1 7.5 μs • 1 	RBW 100 kHz VBW 300 kHz	Mode Au M1	110 FF T. [1] [1]	toutryman	2.40 2.40 	6.02 dBm 495000 Cky -54.70 dBm 006000 dAk
Ref Level Att SGL Count SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 dBm Start 2.30 Marker Type Re M1 M2	20.00 dBm 35 dB 1200/1200	Offset 2. SWT 22	.38 dB) 17.5 µs (17.5 µs (17	RBW 100 kHz VBW 300 kHz 100	Mode Au M1	110 FF T. [1] [1]	1	2.40 2.40 	6.02 dBm 495000 Cky -54.70 dBm 006000 dAk

ACCREDITED

Certificate #4298.01





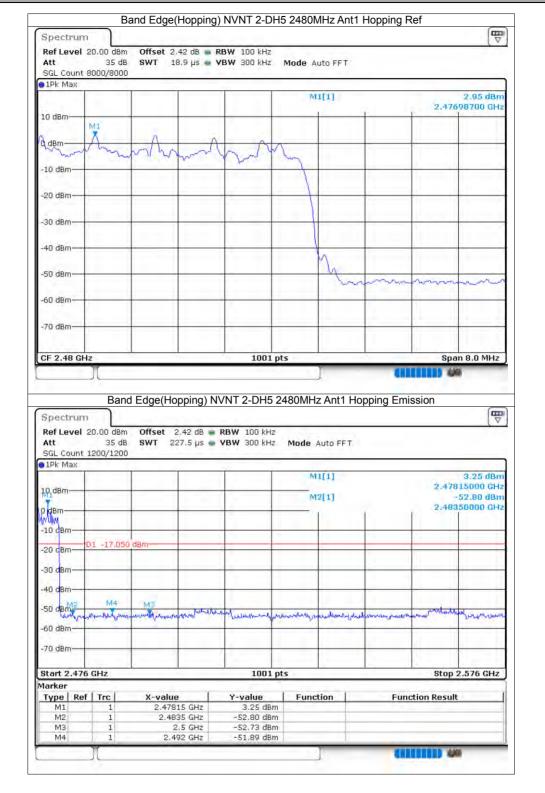
ACCREDITED

Certificate #4298.01



Spectrur Ref Level Att	n 20.00 dBn 35 dB			RBW 100 kHz VBW 300 kHz	Mode A	uto FFT			(Q
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Spectrur	Bar	d Edge(Hop		VNT 2-DH5	2402MH] z Ant1 Hop	oping Emi		
Spectrur Ref Level Att SGL Count	Bar	0 Offset 2. 3 SWT 227	38 dB 📦		2402MH;	<u>z Ant1 Hop</u> Auto FFT	oping Emis		
Spectrur Ref Level Att SGL Count	Bar n 20.00 dBn 35 dB	0 Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 2 Mode /	Auto FFT.	oping Emi) (4
Spectrur Ref Level Att SGL Count 1Pk Max	Bar n 20.00 dBn 35 dB	0 Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 2 Mode /		oping Emis	ssion 2.405	5.51 dBa
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm-	Bar n 20.00 dBn 35 dB	0 Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 Mode /	Auto FFT.	opping Emis	ssion 2.405	5.51 dBi 115000 Gig 53.36 dBi
Spectrur Ref Level Att SGL Count 1Pk Max	Bar n 20.00 dBn 35 dB	0 Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 Mode /	Auto FFT.	oping Emis	ssion 2.405	5.51 dBi 115000 Gig 53.36 dBi
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm-	Bar 20.00 dBn 35 dB 1200/1200	n Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 Mode /	Auto FFT.	oping Emis	ssion 2.405	5.51 dBi 115000 Gig 53.36 dBi
Spectrur Ref Level Att SGL Couni IPk Max 10 dBm	Bar n 20.00 dBn 35 dB	n Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 Mode /	Auto FFT.	oping Emis	ssion 2.405	5.51 dBi 115000 Gig 53.36 dBi
Spectrur Ref Level Att SGL Count 1Pk Max 1D dBm- 0 dBm- -10 dBm- -20 dBm-	Bar 20.00 dBn 35 dB 1200/1200	n Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 Mode /	Auto FFT.	oping Emis	ssion 2.405	5.51 dBi 115000 Gig 53.36 dBi
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	Bar 20.00 dBn 35 dB 1200/1200	n Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 Mode /	Auto FFT.	oping Emis	ssion 2.405	5.51 dBi 115000 Gig 53.36 dBi
Spectrur Ref Level Att SGL Count 1Pk Max 1D dBm- 0 dBm- -10 dBm- -20 dBm-	Bar 20.00 dBn 35 dB 1200/1200	n Offset 2. 3 SWT 227	38 dB 📦	VNT 2-DH5 RBW 100 kHz	2402MH; 2 Mode /	Auto FFT.	oping Emis	ssion 2.405	5.51 dBi 115000 Gig 53.36 dBi
Spectrur Ref Level Att SGL Count 10 dBm	Bar 20.00 dBn 35 dt 1200/120	8 dBm	38 dB	VNT 2-DH5 RBW 100 kH2 YBW 300 kH2	2402MH; 2 Mode / M	Auto FFT.		2.405 2.400	5.51 dBi 115000 Gig 53.36 dBi
Spectrur Ref Level Att SGL Count 10 dBm	Bar 20.00 dBn 35 dt 1200/120	e dBm	38 dB 7.5 µs	VNT 2-DH5 RBW 100 kH2 YBW 300 kH2	2402MH; 2 Mode /	Auto FFT.		2.405 2.400	5.51 dBi 15000 Gr 53.36 dBi 006000 Gr
Spectrur Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -60 dBm-	Bar 20.00 dBn 35 dt 1200/120	8 dBm	38 dB	VNT 2-DH5 RBW 100 kH2 YBW 300 kH2	2402MH; 2 Mode / M	Auto FFT.		2.405 2.400	5.51 dBr 15000 Gr 53.36 dBr 006000 Gr
Spectrur Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Bar 20.00 dBn 35 dt 1200/120	8 dBm	38 dB	VNT 2-DH5 RBW 100 kH2 YBW 300 kH2	2402MH; 2 Mode / M	Auto FFT.		2.405 2.400	5.51 dBi 15000 Gr 53.36 dBi 006000 Gr
Spectrur Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -60 dBm-	Bar 20.00 dBn 35 di 1200/1200	8 dBm	38 dB	VNT 2-DH5 RBW 100 kH2 YBW 300 kH2	2402MH; 2 Mode / 	Auto FFT.		2.405 2.400	5.51 dBi 15000 Gr 53.36 dBi 006000 Gr
Spectrur Ref Level Att SGL Couni 10 dBm	Bar 20.00 dBn 35 dt 1200/120	8 dBm	38 dB	VNT 2-DH5 RBW 100 kH2 YBW 300 kH2 Thur management	2402MH; 2 Mode / M M M	Auto FFT. 1[1] 2[1]	Martifyourder	2.405 2.400	5.51 dB 15000 Gh 15000 Gh 15000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 10000 Gh 20000
Spectrur Ref Level Att SGL Couni 10 dBm- 0 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -70 dBm- -70 dBm- Start 2.30 Marker Type Re	Bar 20.00 dBn 35 dE 1200/1200	B dBm	38 dB 7.5 µs	VNT 2-DH5 RBW 100 kHz VBW 300 kHz 100 kHz VBW 300 kHz 100 kHz VBW 300 kHz 100 kHz VBW 300 kHz 100 kHz	2402MH:	Auto FFT. 1[1] 2[1]	Martifyourder	2.405 2.400	5.51 dB 15000 Gh 15000 Gh 15000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 10000 Gh 20000
Spectrur Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm Marker Type Ref M1 M2	Bar 20.00 dBn 35 di 1200/1200	0 Offset 2. 3 SWT 227 0 0 0 0 0 0 0 0 0 0 0 0 0	38 dB 7.5 μs	VNT 2-DH5 RBW 100 kHz yBW 300 kHz 100 kHz 10	2402MH; 2 Mode / M 	Auto FFT. 1[1] 2[1]	Martifyourder	2.405 2.400	5.51 dB 15000 Gh 15000 Gh 15000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 10000 Gh 20000
Spectrur Ref Level Att SGL Coun' 10 dBm- 0 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -60 dBm- -70 dBm- Start 2.30 Marker Type Res M1	Bar 20.00 dBn 35 dB 1200/1200 1200/1200 01 -15,61 01 -15,61	0 Offset 2. 3 SWT 227 0 0 0 0 0 0 0 0 0 0 0 0 0	38 dB 7.5 μs	VNT 2-DH5 RBW 100 kH2 VBW 300 kH2 VBW 300 kH2 I001 I001 Y-value 5.51 dBr	2402MH; 2 Mode / M M M M Pts Functor m m	Auto FFT. 1[1] 2[1]	Martifyourder	2.405 2.400	5.51 dB 15000 Gh 15000 Gh 15000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 100000 Gh 10000 Gh 20000







Att		20.00 dBr 35 d	B SWT		RBW 100 kH: VBW 300 kH:		Auto FFT			0
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Spect Ref Le			m Offset	2.38 dB 🖷	RBW 100 kH	Hz		Hopping Emi	ission	[0
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Ref Le Att	vel 2 ount 1	20.00 dBr 35 d	m Offset B SWT	2.38 dB 🖷	RBW 100 kH	Hz Mode	Auto FFT		ission	
Ref Le Att SGL Co 1Pk M	vel 2 ount 1 ax	20.00 dBr 35 d	m Offset B SWT	2.38 dB 🖷	RBW 100 kH	Hz Mode				5.09 dB
Ref Le Att SGL Co	vel 2 ount 1 ax	20.00 dBr 35 d	m Offset B SWT	2.38 dB 🖷	RBW 100 kH	Hz Hz Mode	Auto FFT		2.40	5.09 dB 505000 G -53.50 dB
Ref Le Att SGL Co 1Pk M	vel 2 ount 1 ax	20.00 dBr 35 d	m Offset B SWT	2.38 dB 🖷	RBW 100 kH	Hz Hz Mode	Auto FFT		2.40	5.09 dB 505000 G -53.50 dB
Ref Le Att SGL Co 1Pk M	ount 1 ax	20.00 dBr 35 d .200/120	m Offset B SWT 0	2.38 dB 🖷	RBW 100 kH	Hz Hz Mode	Auto FFT		2.40	5.09 dB 505000 GI -53.50 dB
Ref Le Att SGL Cc 1Pk M 10 dBm 0 dBm-	vel 2 ount 1 ax	20.00 dBr 35 d	m Offset B SWT 0	2.38 dB 🖷	RBW 100 kH	Hz Hz Mode	Auto FFT		2.40	5.09 dB 505000 G -53.50 dB
Ref Le Att SGL Co 1Pk M 10 dBm 0 dBm-	vel 2 ount 1 ax	20.00 dBr 35 d .200/120	m Offset B SWT 0	2.38 dB 🖷	RBW 100 kH	Hz Hz Mode	Auto FFT		2.40	5.09 dB 505000 GF -53.50 dB
Ref Le Att SGL Cc 1Pk M 1D dBm 0 dBm-	vel 2 ount 1 ax	20.00 dBr 35 d .200/120	m Offset B SWT 0	2.38 dB 🖷	RBW 100 kH	Hz Hz Mode	Auto FFT		2.40	5.09 dB 505000 GF -53.50 dB
Ref Le Att SGL Co 1Pk M 1D dBm 0 dBm- -10 dBm -20 dBn	n	20.00 dBr 35 d .200/120	m Offset B SWT 0	2.38 dB 🖷	RBW 100 kH	Hz Hz Mode	Auto FFT		2.40	5.09 dB 505000 GF -53.50 dB
Ref Le Att SGL Cc 1Pk M 10 dBm 0 dBm- -10 dBm -20 dBm -30 dBm -40 dBm	n C	20.00 dBr 35 d .200/120	m Offset B SWT 0	2.38 dB 🖷	RBW 100 kH	Hz Mode	Auto FFT		2.40 2.40	5.09 dB sosboo c; -53,50 dB 006000 Gi
Ref Le Att SGL Cc 1Pk M 10 dBm 0 dBm- -10 dBm -20 dBn -20 dBn -40 dBn -50 dBn	vel 2 bunt 1 bax	20.00 dBr 35 d 200/120	m Offset B SWT 0	2.38 dB	RBW 100 kH	Hz Mode	Auto FFT		2.40 2.40	5.09 dB sosboo c; -53,50 dB 006000 Gi
Ref Le Att SGL Cc 1Pk M 10 dBm 0 dBm- -10 dBm -20 dBn -20 dBn -40 dBn -50 dBn	vel 2 sount 1 ax	20.00 dBr 35 d 200/120	m Offset B SWT 0	2.38 dB	RBW 100 kH	Hz Mode	Auto FFT		2.40 2.40	5.09 dB sosboo c; -53,50 dB 006000 Gi
Ref Le Att SGL CC 1Pk M 10 dBm 0 dBm- -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -60 dBm		20.00 dBr 35 d 200/120	m Offset B SWT 0	2.38 dB	RBW 100 kH	Hz Mode	Auto FFT		2.40 2.40	5.09 dB sosboo c; -53,50 dB 006000 Gi
Ref Le Att SGL CC 1Pk M 10 dBm- -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm		20.00 dBr 35 d 200/120	m Offset B SWT 0	2.38 dB	RBW 100 kH	Hz Mode	Auto FFT		2.40 2.40	5.09 dB sosboo c; -53,50 dB 006000 Gi
Ref Le Att SGL Cc IPk M 10 dBm 0 dBm- -10 dBm -20 dBn -30 dBn -40 dBn -50 dBn -60 dBn -70 dBn		20.00 dBr 35 d 200/120	m Offset B SWT 0	2.38 dB	RBW 100 kł VBW 300 kł	Hz Mode	Auto FFT		2.40 2.40 <u>M3</u> anny water	5.09 dB 505000 G -53.50 dB 006000 G W
Ref Le Att SGL Cc 1Pk M 10 dBm -10 dBm -20 dBm -20 dBn -30 dBn -30 dBn -40 dBn -50 dBn -70 dBn -70 dBn -70 dBn	vel 2 ount 1 ax	20.00 dB _H 35 d 2200/120 (1 -14.5) GHz	m Offset B SWT 0	2.38 dB	RBW 100 kH	Hz Mode	Auto FFT	hale management and hale	2.40 2.40 M3 M3 Stop	5.09 dB 505000 G -53.50 dB 00000 G Mil
Ref Le Att SGL CC 1Pk M 10 dBm -10 dBm -20 dBm -20 dBn -30 dBn -30 dBn -50 dBn -50 dBn -70 dBn -70 dBn -70 dBn -70 dBn	vel 2 ount 1 ax	20.00 dB _H 35 d 200/120 11 -14.52 GHz	m Offset B SWT 0	2.38 dB	RBW 100 kH	Hz Mode	Auto FFT	hale management and hale	2.40 2.40 <u>M3</u> anny water	5.09 dB 505000 G -53.50 dB 000000 G W/ W/ 2.406 GH
Ref Le Att SGL Cc 1Pk M 10 dBm -10 dBm -20 dBm -20 dBn -30 dBn -30 dBn -40 dBn -50 dBn -70 dBn -70 dBn -70 dBn	vel 2 ount 1 ax	20.00 dB _H 35 d 2200/120 (1 -14.5) GHz	m Offset B SWT 0 20 dBm 500 dBm	2.38 dB	RBW 100 kH	Hz Mode	Auto FFT	hale management and hale	2.40 2.40 M3 M3 Stop	5.09 dB 505000 G -53.50 dB 000000 G W/ W/ 2.406 GH
Ref Le Att SGL Cc 110 dBm 10 dBm- -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2 Marker Type M1 M2 M3	vel 2 ount 1 ax	20.00 dBy 35 d 200/120 (1 -14.52 (1 -14.52) GHz Trc 1 1 1	m Offset B SWT 0 20 dBm 20 dBm 20 dBm 2.0 dBm 2.40 2.40	2.38 dB 2227.5 µs	RBW 100 kH VBW 300 kH M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	Hz Mode	Auto FFT	hale management and hale	2.40 2.40 M3 M3 Stop	5.09 dB 505000 G -53.50 dB 000000 G W/ W/ 2.406 GH
Ref Le Att SGL Cc 1Pk M 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -70 dBm Marker Type M1	vel 2 ount 1 ax	20.00 dBr 35 d 200/120 71 -14.52 GHz GHz	m Offset B SWT 0 20 dBm 20 dBm 20 dBm 2.0 dBm 2.40 2.40	2.38 dB	RBW 100 kł VBW 300 kł 100 100 Y-value 5.09 dl -53.50 dl	Hz Mode	Auto FFT	Fun	2.40 2.40 M3 M3 Stop	5.09 dB sosboo G -53.50 dB 000000 G W/ W/ 2.406 GH





ACCREDITED

Certificate #4298.01



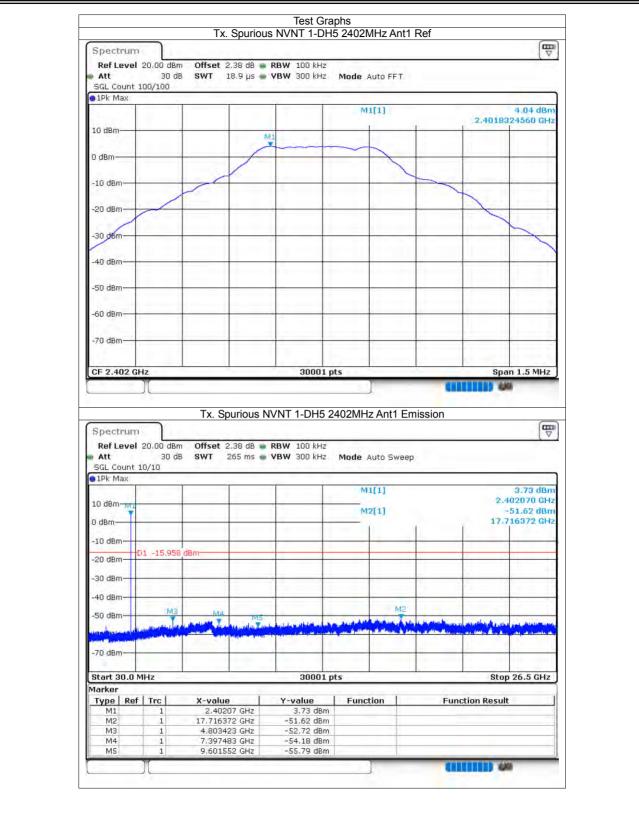


8.8 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-55.65	-20	Pass
NVNT	1-DH5	2441	Ant1	-54.32	-20	Pass
NVNT	1-DH5	2480	Ant1	-53.89	-20	Pass
NVNT	2-DH5	2402	Ant1	-51.2	-20	Pass
NVNT	2-DH5	2441	Ant1	-52.65	-20	Pass
NVNT	2-DH5	2480	Ant1	-52.7	-20	Pass
NVNT	3-DH5	2402	Ant1	-51.83	-20	Pass
NVNT	3-DH5	2441	Ant1	-52.94	-20	Pass
NVNT	3-DH5	2480	Ant1	-53.07	-20	Pass

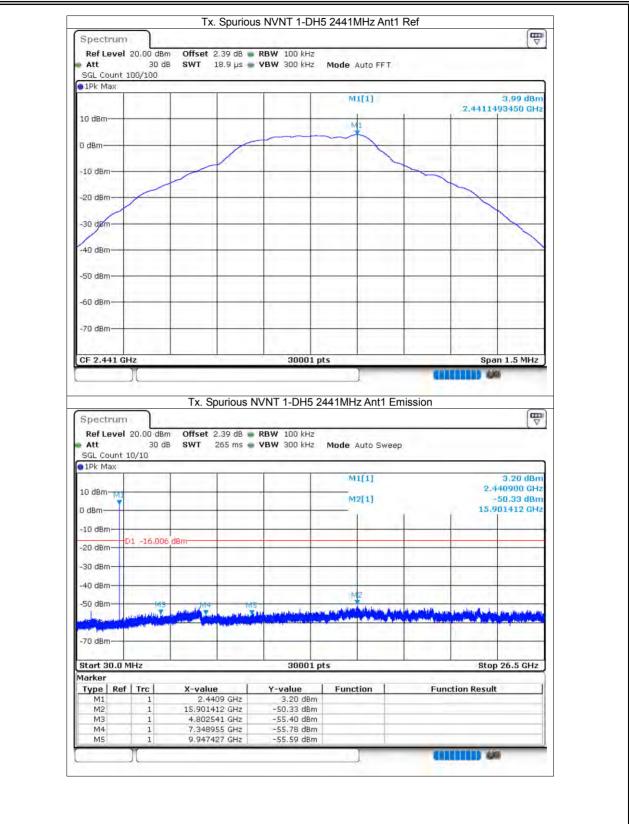






















Spectrum Ref Level 3		offert a c	0 40	nu too ki					
Ref Level 2 Att SGL Count 10	30 dB			RBW 100 kHz VBW 300 kHz		uto FFT			
1Pk Max	20/ 200								
					MI	[1]			-0.22 dBm
10.10						1		2,40215	573450 GHz
10 dBm-							- i i i		
0.0					NI.	1			
0 dBm					-	~	~	~	· · · · · ·
10.10	-								
-10 dBm				-				1	
-20 dBm		-				2		· ·	
ZUGDI									
-30 dBm			-	-			1	1	
oc dom									
-40 dBm							1		11
-50 dBm									
-60 dBm					_	_			
-70 dBm			_						
					-				and the second second
CF 2.402 GH	7			30001	nts		-	Sna	n 1.5 MHz
	1				1	_			ia l
Spectrum	20.00 dBm			VNT 2-DH5		Ant1 Em	ission		(m)
Ref Level 2 Att	30 dB	Offset 2.3	8 dB 🝙 I	VNT 2-DH5 RBW 100 kHz VBW 300 kHz			ission		(The second seco
Ref Level 2	30 dB	Offset 2.3	8 dB 🝙 I	RBW 100 kHz			ission		
Ref Level 2 Att SGL Count 10	30 dB	Offset 2.3	8 dB 🝙 I	RBW 100 kHz		uto Sweep	ission		-0.73 dBm
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm	30 dB	Offset 2.3	8 dB 🝙 I	RBW 100 kHz	Mode Au	uto Sweep [1]	ission		-0.73 dBm 102070 GHz
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm- M1	30 dB	Offset 2.3	8 dB 🝙 I	RBW 100 kHz	Mode At	uto Sweep [1]	ission		-0.73 dBm
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm M1 0 dBm	30 dB	Offset 2.3	8 dB 🝙 I	RBW 100 kHz	Mode Au	uto Sweep [1]	ission		-0.73 dBm 402070 GHz -51.42 dBm
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm M1 0 dBm	30 dB	Offset 2.3	8 dB 🝙 I	RBW 100 kHz	Mode Au	uto Sweep [1]	ission		-0.73 dBm 402070 GHz -51.42 dBm
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm	30 dB	Offset 2.3 SWT 263	8 dB 🝙 I	RBW 100 kHz	Mode Au	uto Sweep [1]	ission		-0.73 dBm 402070 GHz -51.42 dBm
Ref Level Att SGL Count 10 1Pk Max 1Pk Max 10 dBm 0 dBm	30 dB 0/10	Offset 2.3 SWT 263	8 dB 🝙 I	RBW 100 kHz	Mode Au	uto Sweep [1]	ission		-0.73 dBm 402070 GHz -51.42 dBm
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -10 dBm -30 dBm	30 dB 0/10	Offset 2.3 SWT 263	8 dB 🝙 I	RBW 100 kHz	Mode Au	uto Sweep [1]	ission		-0.73 dBm 402070 GHz -51.42 dBm
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -30 dBm	30 dB D/10	Offset 2.3 SWT 263	8 dB 🝙 I	RBW 100 kHz	Mode Au	uto Sweep [1]	ission		-0.73 dBm 402070 GHz -51.42 dBm
Mef Level Att SGL Count 10 1Pk Max 10 dBm 10 dBm -10 dBm	30 dB 3/10 1 -20.224 M3	Offset 2.34 SWT 265	8 dB 🝙 I	RBW 100 kHz	Mode A(uto Sweep [1] [1]		6.6	-0.73 dBm 402070 GHz -51.42 dBm
Ref Level 3 Att SGL Count 10 1Pk Max 10 dBm 10 dBm -10 dBm	30 dB D/10	Offset 2.34 SWT 265	8 dB • 1	RBW 100 kHz	Mode Ar	uto Sweep [1] [1]		6.8	-0.73 dBm 402070 GHz -51.42 dBm 108967 GHz
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -30 dBm -40 dBm	30 dB 3/10 1 -20.224 M3	Offset 2.34 SWT 265	8 dB • 1	RBW 100 kHz	Mode Ar	uto Sweep [1] [1]		6.8	-0.73 dBm 402070 GHz -51.42 dBm 108967 GHz
Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -30 dBm -30 dBm -50 dBm	30 dB 3/10 1 -20.224 M3	Offset 2.34 SWT 265	8 dB • 1	RBW 100 kHz	Mode Ar	uto Sweep [1] [1]		6.8	-0.73 dBm 402070 GHz -51.42 dBm 108967 GHz
Ref Level Att SGL Count 10 1Pk Max 1Pk Max 10 dBm 10 dBm 10 dBm -10 dBm	30 dB 3/10 1 -20.224 M3	Offset 2.34 SWT 265	8 dB • 1	RBW 100 kHz YBW 300 kHz	Mode At	uto Sweep [1] [1]		6.6	-0.73 dBm H02070 GHz -51.42 dBm H08967 GHz
Ref Level : Att SGL Count 10 1Pk Max 10 dBm -10 dBm -10 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm	30 dB 3/10 1 -20.224 M3	Offset 2.34 SWT 265	8 dB • 1	RBW 100 kHz	Mode At	uto Sweep [1] [1]		6.6	-0.73 dBm 402070 GHz -51.42 dBm 108967 GHz
Ref Level S Att SGL Count 10 1Pk Max IO dBm 10 dBm M1 0 dBm -00 dBm -30 dBm -00 -50 dBm -00 -70 dBm -00 -70 dBm -00	30 dB 3/10 1 -20.224 M3 M3 Hz	Offset 2.34 SWT 265	8 dB • 1	RBW 100 kHz YBW 300 kHz	Mode At	uto Sweep [1] [1]		6.6	-0.73 dBm 402070 GHz -51.42 dBm 308967 GHz
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -10 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 30.0 M Marker Type Ref	30 dB)/10 1 -20.224 M3 Hz Trc 1 1	Offset 2.3 SWT 263	8 dB I I 5 ms V	RBW 100 kHz YBW 300 kHz	Mode Au M1 M2 pts Functi	uto Sweep [1] [1]		6.8	-0.73 dBm 402070 GHz -51.42 dBm 308967 GHz
Ref Level Att SGL Count 10 1Pk Max 1Pk Max 0 dBm 10 dBm 0 dBm -10 dBm -0 -20 dBm -0 -30 dBm -0 -50 dBm -0 -70 dBm -0 M1 -0 M2 -0	30 dB 3/10 1 -20.224 M3 Hz Hz	Offset 2.3 SWT 265	8 dB 1 5 ms 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RBW 100 kHz VBW 300 kHz 300 kH	Mode At M1 M2 pts Functi n 1	uto Sweep [1] [1]		6.8	-0.73 dBm 402070 GHz -51.42 dBm 308967 GHz
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -10 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 30.0 M Marker Type Ref	30 dB)/10 1 -20.224 M3 Hz Trc 1 1	Offset 2.3 SWT 263	8 dB 15 ms 1 5 ms 1 9 ms 1 9 ms 9 ms 9 ms 9 ms 9 ms 9 ms 9 ms 9 ms	RBW 100 kHz YBW 300 kHz	Mode Au M1 M2 pts Function n n	uto Sweep [1] [1]		6.8	-0.73 dBm 402070 GHz -51.42 dBm 308967 GHz
Ref Level 2 Att SGL Count 10 IPk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 M Marker Type M1 M2 M3	30 dB 3/10 1 -20.224 M3 Hz Hz Trc 1 1 1	Offset 2.3 SWT 265 dBm M24 M24 M24 M24 M24 M24 M24 M24 M24 M24	8 dB I I 5 ms V	RBW 100 kHz VBW 300 kHz VBW 300 kHz 300 kHz 40 kHz	Mode A(M1 M2 M2 pts Functi n n n	uto Sweep [1] [1]		6.8	-0.73 dBm 402070 GHz -51.42 dBm 308967 GHz

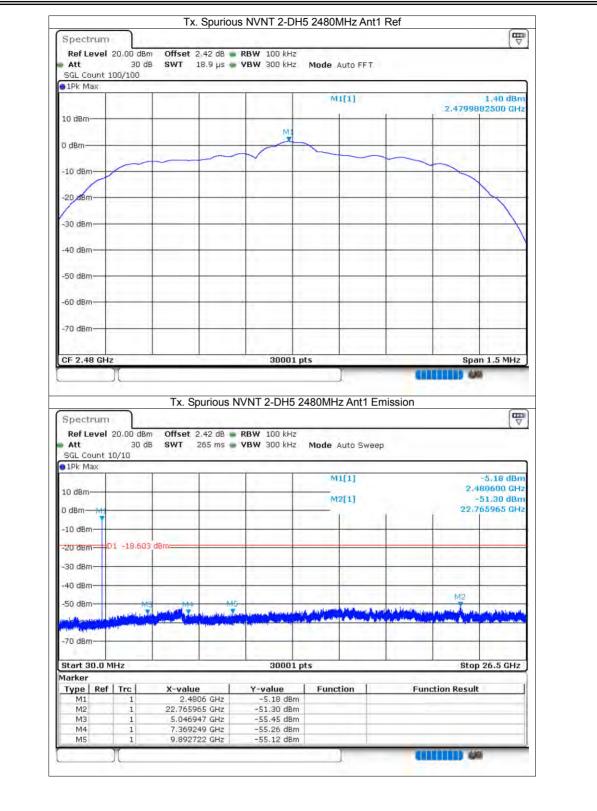




Spectrum							
Ref Level				and in second	3		3.25
SGL Count		B SWT 18.9 µs (VBW 300 KHZ	Mode Auto FF1			
1Pk Max			-				
				MI[1]			1.84 dBm
10 dBm						2.4409	815010 GHz
			MI				
0 dBm			-	-	-	-	
	-			~			
-10 dBm			-				
/							
-20 dBm-						1	
			1.000		1.1	phanes i	\sim
-30 dBm			1				1
-40 dBm	-						
in apin						· · · · · · ·	1
-50 dBm							
						1	
-60 dBm			-			-	
-70 dBm					-	-	
CF 2.441 G	Hz	1 1	30001 p	ts		Sp	an 1.5 MHz
			NVNT 2-DH5 2	441MHz Ant1	Emission		
Ref Level Att SGL Count	20.00 dBr 30 d	Tx. Spurious	RBW 100 kHz				
Ref Level Att SGL Count	20.00 dBr 30 d	m Offset 2.39 dB	RBW 100 kHz	Mode Auto Sw			
Ref Level Att SGL Count 1Pk Max	20.00 dBr 30 d	m Offset 2.39 dB	RBW 100 kHz			2.	-2.62 dBm 440900 GHz
Ref Level Att SGL Count 1Pk Max	20.00 dBr 30 d	m Offset 2.39 dB	RBW 100 kHz	Mode Auto Sw			-2.62 dBm 440900 GHz -50.81 dBm
Ref Level Att SGL Count 1Pk Max	20.00 dBr 30 d	m Offset 2.39 dB	RBW 100 kHz	Mode Auto Sw			-2.62 dBm 440900 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm	20.00 dBr 30 d	m Offset 2.39 dB	RBW 100 kHz	Mode Auto Sw			-2.62 dBm 440900 GHz -50.81 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBr 30 d	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz	Mode Auto Sw			-2.62 dBm 440900 GHz -50.81 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm 10 dBm 20 dBm	20.00 dBr 30 d 10/10	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz	Mode Auto Sw			-2.62 dBm 440900 GHz -50.81 dBm
Mef Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	20.00 dBr 30 d 10/10	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz	Mode Auto Sw			-2.62 dBm 440900 GHz -50.81 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	20.00 dBr 30 d 10/10	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz	Mode Auto Sw M1[1] M2[1]			-2.62 dBm 440900 GHz -50.81 dBm
Mef Level Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm -10 dBm -30 dBm -40 dBm	20,00 d8/ 30 d 10/10	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz YBW 300 kHz	Mode Auto Sw M1[1] M2[1]	зер.	15.	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Mef Level Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm -10 dBm -30 dBm -40 dBm	20,00 d8/ 30 d 10/10	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1]		15.	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Att <u>SGL Count</u> <u>IPk Max</u> 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	20,00 d8/ 30 d 10/10	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1] M2 M2 M2 M2		15.	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Mef Level Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -30 dBm -30 dBm -50 dBm	20,00 d8/ 30 d 10/10	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1] M2 M2 M2 M2		15.	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Mef Level Att SGL Count IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -70 dBm	20,00 dB/ 30 d 10/10 01 -18,16/	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1] M2 M2 M2		15.	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Mef Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	20,00 dB/ 30 d 10/10 01 -18,16/	m Offset 2.39 dB i B SWT 265 ms i	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1] M2 M2 M2		15.	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Ref Level Att SGL Count IPk Max IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm Start 30.0 f Arker Type	20,00 dB/ 30 d 10/10 01 -18.16(145 145 145 145 145 145 145 145 145 145	m Offset 2.39 dB B B SWT 265 ms o dBm	RBW 100 kHz YBW 300 kHz	Mode Auto Sw M1[1] M2[1] M2 M2 M2		15.	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Ref Level Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -50 dBm -70 dBm -70 dBm Start 30.0 f Aarker Type Ref M1	20,00 d8/ 30 d 10/10 D1 -18.16(1/2 //Hz	m Offset 2.39 dB B SWT 265 ms 0	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1] M2 M2 M2 M2 ts		Sto	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Ref Level Att SGL Count IPk Max IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm Start 30.0 f Arker Type	20,00 dB/ 30 d 10/10 01 -18.16(145 145 145 145 145 145 145 145 145 145	m Offset 2.39 dB B B SWT 265 ms o dBm	RBW 100 kHz YBW 300 kHz	Mode Auto Sw M1[1] M2[1] M2 M2 M2 M2 ts		Sto	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Ref Level Att SGL Count IPk Max IPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 30.0 f Marker Type M1 M2 M3 M4	20,00 d8/ 30 d 10/10 01 -18.160 11 11 1 1 1	m Offset 2.39 dB i B SWT 265 ms i B SWT 265 ms i D dBm	RBW 100 kHz VBW 300 kHz VBW 300 kHz 300 kHz	Mode Auto Sw M1[1] M2[1] M2 M2 M2 M2 ts		Sto	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 ft Type Ref M1 M2 M3	20,00 dB/ 30 d 10/10 01 -18,160 01 -18,160 11 11 1 1	m Offset 2.39 dB i B SWT 265 ms i dBm dBm x-value 2.4409 GHz 15.461128 GHz 4.78313 GHz	RBW 100 kHz VBW 300 kHz VBW 300 kHz 300 kHz 	Mode Auto Sw M1[1] M2[1] M2 M2 M2 M2 ts		Sto	-2.62 dBm 440900 GHz -50.81 dBm 461128 GHz

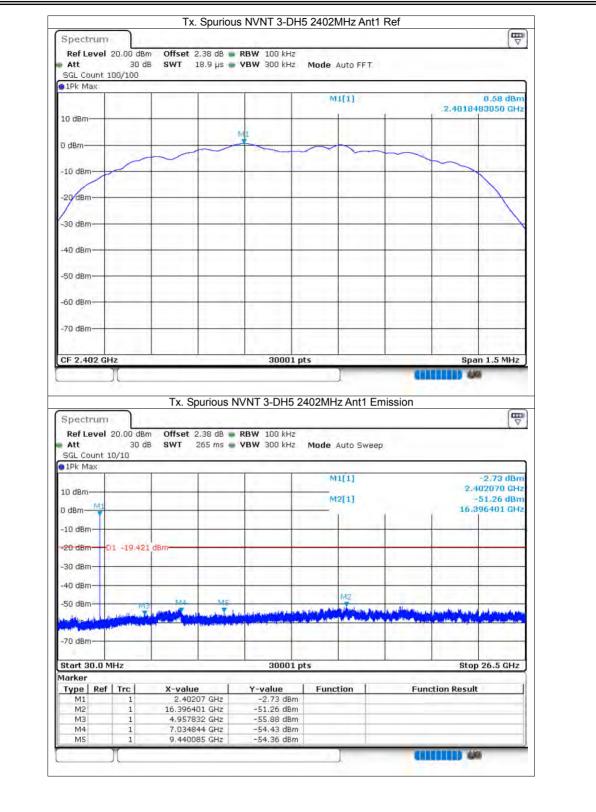












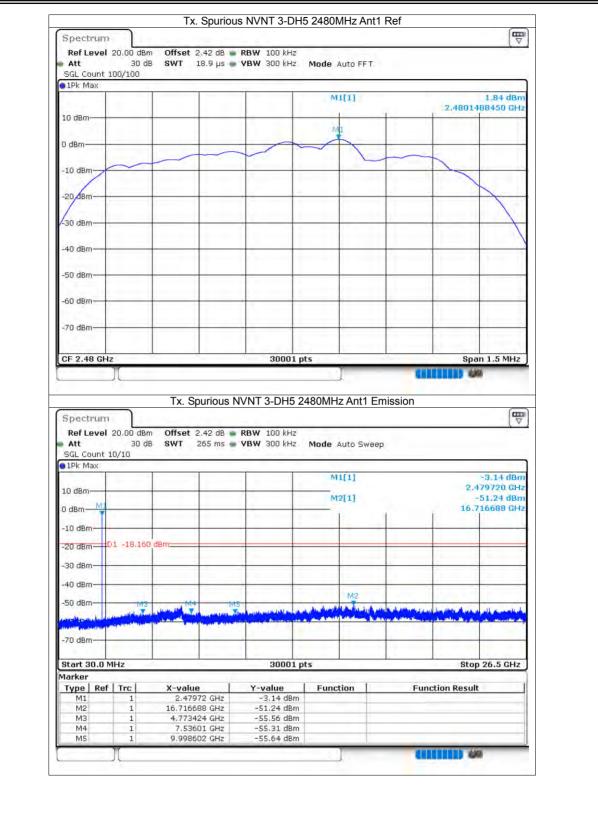




Spectrum							
Ref Level				Association of			
SGL Count		iB SWT 18.9 µs 🍙	VBW 300 kHz	Mode Auto FFT			
1Pk Max							
				M1[1]			2,49 dBm
10 dBm					1-1	2,4411	151450 GHz
				ME			
0 dBm							
	-					~	
-10 dBm-	1				-		
1							
-20 dBm-							
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oc abin		· · · · · · · · · · · · · · · · · · ·	1				X
-40 dBm							
-50 dBm						-	
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-60 dBm			1				
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-yu ubili							
				A			
CF 2.441 G	HZ		30001 p	LS		Spa	an 1.5 MHz
Ref Level	20.00 dB	m Offset 2.39 dB 🖷	RBW 100 kHz	441MHz Ant1 E			(•
Ref Level Att SGL Count	20.00 dB 30 d	m Offset 2.39 dB 🖷	RBW 100 kHz				-
Ref Level Att SGL Count	20.00 dB 30 d	m Offset 2.39 dB 🖷	RBW 100 kHz	Mode Auto Swee			
Ref Level Att SGL Count 1Pk Max	20.00 dB 30 d	m Offset 2.39 dB 🖷	RBW 100 kHz	Mode Auto Swee			-3.26 dBm 140900 GHz
Ref Level Att SGL Count 1Pk Max	20.00 dB 30 d	m Offset 2.39 dB 🖷	RBW 100 kHz	Mode Auto Swee			-3.26 dBm 140900 GHz -50.46 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm	20.00 dB 30 d	m Offset 2.39 dB 🖷	RBW 100 kHz	Mode Auto Swee			-3.26 dBm 140900 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dB 30 c 10/10	m Offset 2.39 dB	RBW 100 kHz	Mode Auto Swee			-3.26 dBm 140900 GHz -50.46 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dB 30 c 10/10	m Offset 2.39 dB	RBW 100 kHz	Mode Auto Swee			-3.26 dBm 140900 GHz -50.46 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dB 30 c 10/10	m Offset 2.39 dB	RBW 100 kHz	Mode Auto Swee			-3.26 dBm 140900 GHz -50.46 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dB 30 c 10/10	m Offset 2.39 dB	RBW 100 kHz	Mode Auto Swee			-3.26 dBm 140900 GHz -50.46 dBm
Mef Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20,00 dB 30 c 10/10	m Offset 2.39 dB B SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee			-3.26 dBm 140900 GHz -50.46 dBm
Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -20 dBm	20,00 dB 30 c 10/10	m Offset 2.39 dB B SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	2P	16.3	-3.26 dBm i+0900 GHz -50.46 dBm 801991 GHz
Main Main 10 dBm 10 dBm 10 dBm 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm	20,00 dB 30 c 10/10	m Offset 2.39 dB B SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	2P	16.3	-3.26 dBm i+0900 GHz -50.46 dBm 801991 GHz
Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20,00 dB 30 c 10/10	m Offset 2.39 dB B SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	2P	16.3	-3.26 dBm i+0900 GHz -50.46 dBm 801991 GHz
Mef Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	20,00 dB 30 c 10/10	m Offset 2.39 dB B SWT 265 ms	RBW 100 kHz YBW 300 kHz	Mode Auto Swee	2P	16.(-3.26 dBm i+0900 GHz -50.46 dBm 801991 GHz
Mef Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm	20,00 dB 30 c 10/10	m Offset 2.39 dB B SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	2P	16.(-3.26 dBm i+0900 GHz -50.46 dBm 801991 GHz
Mef Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm Start 30.0 Marker	20,00 dB 30 c 10/10 D1 -17,51	m Offset 2.39 dB B SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee		16.s	-3.26 dBm i+40900 GHz -50.46 dBm 301991 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1	20,00 dB 30 c 10/10 01 -17,51 MHz f Trc 1 1	m Offset 2.39 dB B SWT 265 ms 1 dBm 1 dBm X-value 2.4409 GHz	RBW 100 kHz YBW 300 kHz	Mode Auto Swee		16.(-3.26 dBm i+40900 GHz -50.46 dBm 301991 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm Start 30.0 Marker Type Ret M1	20,00 dB 30 c 10/10 D1 -17,51 MHz f Trc 1 1	m Offset 2.39 dB B SWT 265 ms 1 dBm 1 dBm 2 swt 265 ms 1 dBm 2 swt 265 ms 1 dBm 1 dBm 2 swt 265 ms 1 dBm 2 swt 2 stars 1 dBm 2 stars 1 swt 2 stars 1 swt	RBW 100 kHz VBW 300 kHz	Mode Auto Swee		16.s	-3.26 dBm i+40900 GHz -50.46 dBm 301991 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1	20,00 dB 30 c 10/10 01 -17,51 MHz f Trc 1 1	m Offset 2.39 dB B SWT 265 ms 1 dBm 1 dBm X-value 2.4409 GHz	RBW 100 kHz YBW 300 kHz	Mode Auto Swee		16.s	-3.26 dBm i+40900 GHz -50.46 dBm 301991 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2 M3	20,00 dB 30 c 10/10 D1 -17,51 MHz f Trc 1 1 1	m Offset 2.39 dB B SWT 265 ms 1 dBm 1 dBm 2 1 db 1 d	RBW 100 kHz VBW 300 kHz	Mode Auto Swee		16.s	-3.26 dBm i+40900 GHz -50.46 dBm 301991 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2 M3 M4	20,00 dB 30 c 10/10 D1 -17,51 MHz f Trc 1 1 1 1	m Offset 2.39 dB B SWT 265 ms SWT 265 ms 1 dBm 1 dBm 2 1 m4 m5 1 dBm 2 1 dBm 2	RBW 100 kHz VBW 300 kHz	Mode Auto Swee		16.s	-3.26 dBm i+40900 GHz -50.46 dBm 301991 GHz







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