

RADIO TEST REPORT FCC ID: 2APQU-M2303

Product: Moxee m2303 Trade Mark: Moxee Model No.: m2303 Family Model: N/A Report No.: STR230302001001E Issue Date: Apr 04, 2023

Prepared for

KonnectONE,Inc.

40 Lake Bellevue Drive, Suite 340, Bellevue, Washington 98005, U.S.A.

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd. 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China Tel. 400-800-6106, 0755-2320 0050, 0755-2320 0090 Website: http://www.ntek.org.cn





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1 TEST RESULT CERTIFICATION

Applicant's name:	KonnectONE,Inc.
Address:	40 Lake Bellevue Drive, Suite 340, Bellevue, Washington 98005, U.S.A.
Manufacturer's Name:	Shenzhen Tianruixiang Communication Equipment Co.,LTD
Address:	12 / F, Building B, Longhua Digital Innovation Center, Longhua District, Shenzhen, China
Product description	
Product name:	Moxee m2303
Trade Mark:	Мохее
Model name:	m2303
Family Model:	N/A
Test Sample Number: :	T230302001R002

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.

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

Date of Test	: Mar 02, 2023 ~ Apr 04, 2023
Testing Engineer	: Muhri Lee
	(Mukzi Lee)
Authorized Signatory	Ades
Authorized Signatory	(Alex Li)



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

Remark:

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



3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

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

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

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

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

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

3.3 MEASUREMENT UNCERTAINTY

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

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





4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification		
Equipment	Moxee m2303	
Trade Mark	Мохее	
FCC ID	2APQU-M2303	
Model No.	m2303	
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	-0.1 dBi	
Adapter	Model: ZFX-03U-0510-09 Input: AC 100-240V~50/60Hz 0.2A Output: DC 5.0V1000mA	
Battery	DC 3.7V, 3000mAh	
Power supply	DC 3.7V from battery or DC 5V from adapter	
HW Version	M896_39WD3EFMA2_G20T	
SW Version	m2303_V01.02	

ACCREDITED

Certificate #4298.01

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
STR230302001001E	Rev.01	Initial issue of report	Apr 04, 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			
Noto: The opgineering	a 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.



Certificate #4298.01	Report No.: 51R230302001001E
6 SETUP OF EQUIPMENT UNDER TEST	
6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM For AC Conducted Emission Mode	
C-1	AC PLUG
EUT AE-1 Adapter	
	•
For Radiated Test Cases	i
EUT	
For Conducted Test Cases	
Measurement C-2 EUT	
Note: 1. The temporary antenna connector is soldered on the PC and this temporary antenna connector is listed in the equipment	CB board in order to perform conducted tests
2. EUT built-in battery-powered, the battery is fully-charge	d.



6.2 SUPPORT EQUIPMENT

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

Item	Equipment	Model/Type No.	Series No.	Note
AE-1	Adapter	ZFX-03U-0510-09	N/A	Peripherals

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

Notes:

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

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ACCREDITED Certificate #4298.01

6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

		rest equipment					
	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2022.04.01 2023.03.31	2023.03.31 2024.03.30	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2022.06.16	2023.06.15	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2022.06.16	2023.06.15	1 year
4	Test Receiver	R&S	ESPI7	101318	2022.04.06	2023.04.05	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2022.03.30 2023.03.16	2023.03.29 2024.03.15	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2022.03.31	2025.03.30	3 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2022.11.07	2023.11.06	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2022.06.17	2023.06.16	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2022.11.04	2023.11.03	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2022.06.16	2023.06.15	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
15	Filter	TRILTHIC	2400MHz	29	2020.04.07	2023.04.06	3 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:

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



AC Co	AC Conduction Test equipment						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2022.04.06	2023.04.05	1 year
2	LISN	R&S	ENV216	101313	2022.04.06	2023.04.05	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2022.04.06	2023.04.05	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year

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





7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

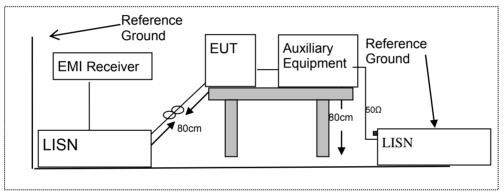
7.1.2 Conformance Limit

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

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

- 2. The lower limit shall apply at the transition frequencies
 - 3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.1.3 Test Configuration



7.1.4 Test Procedure

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

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- 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:	Moxee m2303	Model Name :	m2303
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

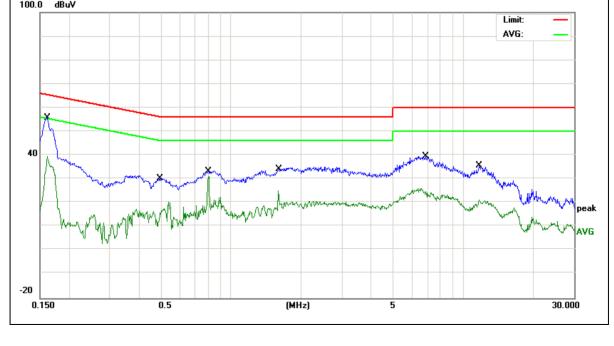
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1620	46.05	9.61	55.66	65.36	-9.70	QP
0.1620	29.86	9.61	39.47	55.36	-15.89	AVG
0.4939	20.55	9.66	30.21	56.10	-25.89	QP
0.4939	6.25	9.66	15.91	46.10	-30.19	AVG
0.7980	23.51	9.68	33.19	56.00	-22.81	QP
0.7980	20.78	9.68	30.46	46.00	-15.54	AVG
1.6019	24.45	9.67	34.12	56.00	-21.88	QP
1.6019	12.76	9.67	22.43	46.00	-23.57	AVG
6.8898	29.75	9.84	39.59	60.00	-20.41	QP
6.8898	14.91	9.84	24.75	50.00	-25.25	AVG
11.6936	25.64	9.98	35.62	60.00	-24.38	QP
11.6936	11.23	9.98	21.21	50.00	-28.79	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.

100.0 dBuV





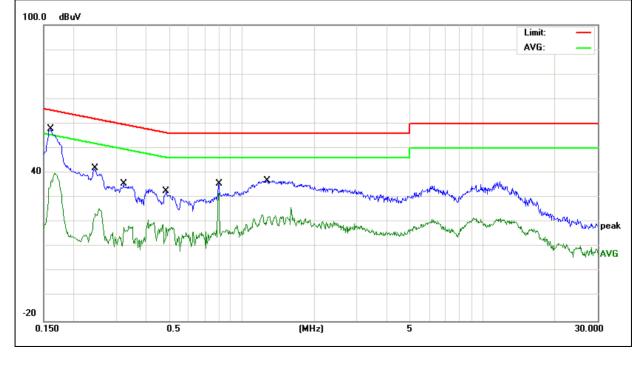
Report No.: STR230302001001E

EUT:	Moxee m2303	Model Name :	m2303
Temperature:	25 ℃	Relative Humidity:	62%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

F				1.1	NA - market	
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1607	48.13	9.65	57.78	65.42	-7.64	QP
0.1607	26.65	9.65	36.30	55.42	-19.12	AVG
0.2459	32.31	9.62	41.93	61.89	-19.96	QP
0.2459	14.11	9.62	23.73	51.89	-28.16	AVG
0.3220	25.94	9.65	35.59	59.65	-24.06	QP
0.3220	7.53	9.65	17.18	49.65	-32.47	AVG
0.4858	23.07	9.66	32.73	56.24	-23.51	QP
0.4858	8.31	9.66	17.97	46.24	-28.27	AVG
0.7980	26.07	9.68	35.75	56.00	-20.25	QP
0.7980	21.94	9.68	31.62	46.00	-14.38	AVG
1.2740	27.31	9.67	36.98	56.00	-19.02	QP
1.2740	12.59	9.67	22.26	46.00	-23.74	AVG

Remark:

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





7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

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

7.2.2 Conformance Limit

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

According to 1 CC Fait 13.20			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

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

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

Limits of Radiated Emission Measurement(Above 1000MHz)

Frequency(MHz)	Class B (dBuV/	//m) (at 3M)			
Frequency(Miriz)	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.

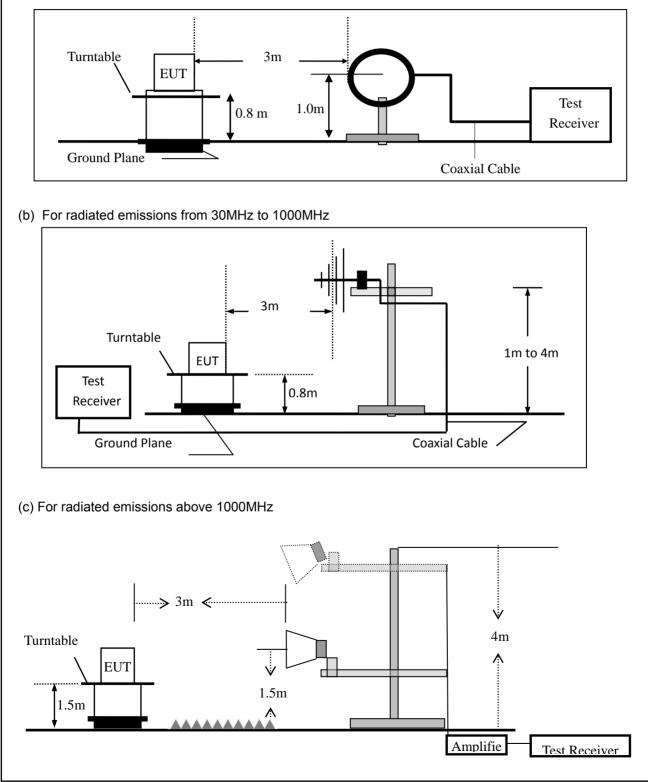


7.2.3 Measuring Instruments

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					
Ī	30 to 1000	QP	120 kHz	300 kHz					
	Above 1000	Peak	1 MHz	1 MHz					
	Above 1000	Average	1 MHz	1 MHz					

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

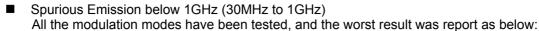
7.2.6 Test Results

EUT:	Moxee m2303	Model No.:	m2303
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

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

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



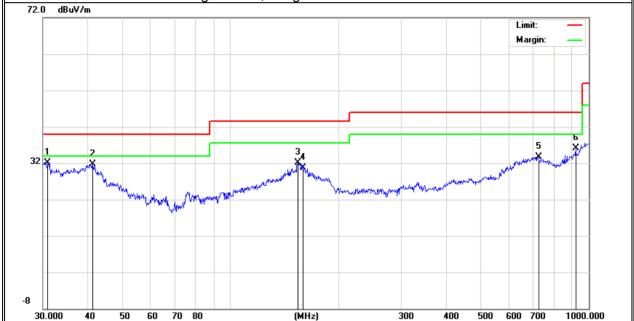


EUT:	Moxee m2303	Model Name :	m2303						
Temperature:	25 ℃	Relative Humidity:	55%						
Pressure:	1010hPa	Test Mode:	Mode 2						
Test Voltage :	DC 3.7V								

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	30.9618	6.14	25.87	32.01	40.00	-7.99	QP
V	41.2764	11.94	19.81	31.75	40.00	-8.25	QP
V	154.2786	13.51	18.51	32.02	43.50	-11.48	QP
V	159.7844	12.41	18.23	30.64	43.50	-12.86	QP
V	724.2611	5.45	28.31	33.76	46.00	-12.24	QP
V	919.2866	5.46	30.63	36.09	46.00	-9.91	QP QP QP QP QP QP

Remark:

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



Iac-MRA NTEK 北测[®]



(H/V) (MHz) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) H 31.3992 5.34 25.40 30.74 40.00 -9.26 QP H 42.0065 6.98 19.23 26.21 40.00 -13.79 QP H 183.8437 14.05 16.67 30.72 43.50 -12.78 QP H 447.9821 5.30 24.12 29.42 46.00 -16.58 QP H 612.0642 6.21 26.46 32.67 46.00 -13.33 QP H 887.6099 5.46 30.37 35.83 46.00 -10.17 QP Remark: 30.37 35.83 46.00 -10.17 QP	Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remar
H 42.0065 6.98 19.23 26.21 40.00 -13.79 QP H 183.8437 14.05 16.67 30.72 43.50 -12.78 QP H 447.9821 5.30 24.12 29.42 46.00 -16.58 QP H 612.0642 6.21 26.46 32.67 46.00 -13.33 QP H 887.6099 5.46 30.37 35.83 46.00 -10.17 QP Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit 72.0 dBuV/m dBuV/m dBuV/m dBuV/m 4.00 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46 5.46	(H/V)	(MHz)		(dB)		(dBuV/m)	(dB)	Roman
H 183.8437 14.05 16.67 30.72 43.50 -12.78 QP H 447.9821 5.30 24.12 29.42 46.00 -16.58 QP H 612.0642 6.21 26.46 32.67 46.00 -13.33 QP H 887.6099 5.46 30.37 35.83 46.00 -10.17 QP Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit Margin: Margin: Margin: 72.0 dBuV/m dBuV/m <td>Н</td> <td>31.3992</td> <td>5.34</td> <td>25.40</td> <td>30.74</td> <td>40.00</td> <td>-9.26</td> <td>QP</td>	Н	31.3992	5.34	25.40	30.74	40.00	-9.26	QP
H 447.9821 5.30 24.12 29.42 46.00 -16.58 QP H 612.0642 6.21 26.46 32.67 46.00 -13.33 QP H 887.6099 5.46 30.37 35.83 46.00 -10.17 QP Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit Viant Margin: Margin: 72.0 dBuV/m dBuV/m <t< td=""><td></td><td>42.0065</td><td>6.98</td><td></td><td></td><td></td><td></td><td></td></t<>		42.0065	6.98					
H 612.0642 6.21 26.46 32.67 46.00 -13.33 QP H 887.6099 5.46 30.37 35.83 46.00 -10.17 QP Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit 72.0 dBuV/m Imit: Margin:								
H 887.6099 5.46 30.37 35.83 46.00 -10.17 QP Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit 72.0 dBuV/m Jan and the second se								
Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit 72.0 dBuV/m								
Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit 72.0 dBuV/m			5.46	30.37	35.83	46.00	-10.17	QP
			Reading+ Fa	ctor, Margi	n= Emission L	evel - Limit		
-8					3			1 Marthant
	a							
		D 40 50 60	70 80	(MI	lz)	300 400 50	00 600 700	1000.000

ACCREDITED



Report No.: STR230302001001E

Spurious										
EUT:	M	oxee m230	03	Mode	el No.:	m2303				
Temperature	: 20) °C		Relat	Relative Humidity: 48%					
Test Mode:	M	ode2/Mod	e3/Mode4	Test	By:	N	lukzi	Lee		
All the modul	ation mo	des have	been teste		,	t was r	eport	as below	<i>I</i> :	
				-,						
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limi	its	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ∖	//m)	(dB)		
			Low Chan	nel (2402 l	MHz)(GFSK)	Above	e 1G			
4804	70.62	5.21	35.59	44.30	67.12	74.0	00	-6.88	Pk	Vertical
4804	49.91	5.21	35.59	44.30	46.41	54.0	00	-7.59	AV	Vertical
7206	68.68	6.48	36.27	44.60	66.83	74.0	00	-7.17	Pk	Vertical
7206	50.89	6.48	36.27	44.60	49.04	54.0	00	-4.96	AV	Vertical
4804	70.25	5.21	35.55	44.30	66.71	74.0	00	-7.29	Pk	Horizontal
4804	45.46	5.21	35.55	44.30	41.92	54.0	00	-12.08	AV	Horizontal
7206	69.7	6.48	36.27	44.52	67.93	74.0	00	-6.07	Pk	Horizontal
7206	47.7	6.48	36.27	44.52	45.93	54.0	00	-8.07	AV	Horizontal
			Mid Chan	nel (2441 M	/Hz)(GFSK)	Above	9 1G			
4882	68.41	5.21	35.66	44.20	65.08	74.0	00	-8.92	Pk	Vertical
4882	46.42	5.21	35.66	44.20	43.09	54.0	00	-10.91	AV	Vertical
7323	70.99	7.10	36.50	44.43	70.16	74.0	00	-3.84	Pk	Vertical
7323	46.26	7.10	36.50	44.43	45.43	54.0	00	-8.57	AV	Vertical
4882	70.97	5.21	35.66	44.20	67.64	74.0	00	-6.36	Pk	Horizontal
4882	46.46	5.21	35.66	44.20	43.13	54.0	00	-10.87	AV	Horizontal
7323	69.63	7.10	36.50	44.43	68.80	74.0	00	-5.20	Pk	Horizontal
7323	45.18	7.10	36.50	44.43	44.35	54.0	00	-9.65	AV	Horizontal
			High Chan	nel (2480 l	MHz)(GFSK)	Abov	e 1G			
4960	68.68	5.21	35.52	44.21	65.20	74.0	00	-8.80	Pk	Vertical
4960	46.97	5.21	35.52	44.21	43.49	54.0	00	-10.51	AV	Vertical
7440	70.72	7.10	36.53	44.60	69.75	74.0	00	-4.25	Pk	Vertical
7440	47.92	7.10	36.53	44.60	46.95	54.0	00	-7.05	AV	Vertical
4960	70.94	5.21	35.52	44.21	67.46	74.0	00	-6.54	Pk	Horizontal
4960	50.72	5.21	35.52	44.21	47.24	54.0	00	-6.76	AV	Horizontal
7440	68.81	7.10	36.53	44.60	67.84	74.0	00	-6.16	Pk	Horizontal
7440	46.71	7.10	36.53	44.60	45.74	54.0	00	-8.26	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.: STR230302001001E

UT:	Moxee m	2303		Moc	del No.:		m23	03			
emperature	: 20 ℃			Rela	ative Humidi	ty:	48%				
Fest Mode:	Mode2/ M	/lode4		Tes	t By:		Muk	zi Lee			
All the modu	lation mod	es have	been test	ed, and t	he worst res	sult wa	is rep	ort as be	low:	<u> </u>	
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Lim	nits	Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	V/m)	(dB)	Туре	pe	
				1Mbps(GF	SK)-Non-hopp	ing					
2310.00	68.52	2.97	27.80	43.80	55.49	74	4	-18.51	Pk	Horizontal	
2310.00	48.76	2.97	27.80	43.80	35.73	54	4	-18.27	AV	Horizontal	
2310.00	69.97	2.97	27.80	43.80	56.94	74	4	-17.06	Pk	Vertical	
2310.00	48.63	2.97	27.80	43.80	35.60	54	4	-18.40	AV	Vertical	
2390.00	70.71	3.14	27.21	43.80	57.26	74	4	-16.74	Pk	Vertical	
2390.00	48.32	3.14	27.21	43.80	34.87	54	4	-19.13	AV	Vertical	
2390.00	68.37	3.14	27.21	43.80	54.92	74	4	-19.08	Pk	Horizontal	
2390.00	46.66	3.14	27.21	43.80	33.21	54	4	-20.79	AV	Horizontal	
2483.50	68.83	3.58	27.70	44.00	56.11	74	4	-17.89	Pk	Vertical	
2483.50	47.27	3.58	27.70	44.00	34.55	54	4	-19.45	AV	Vertical	
2483.50	70.87	3.58	27.70	44.00	58.15	74	4	-15.85	Pk	Horizontal	
2483.50	46.83	3.58	27.70	44.00	34.11	54	4	-19.89	AV	Horizontal	
				1Mbps(GFSK)-hopping	g					
2310.00	70.19	2.97	27.80	43.80	57.16	74	4	-16.84	Pk	Horizontal	
2310.00	50.95	2.97	27.80	43.80	37.92	54	4	-16.08	AV	Horizontal	
2310.00	70.56	2.97	27.80	43.80	57.53	74	4	-16.47	Pk	Vertical	
2310.00	47.8	2.97	27.80	43.80	34.77	54	4	-19.23	AV	Vertical	
2390.00	70.2	3.14	27.21	43.80	56.75	74	4	-17.25	Pk	Vertical	
2390.00	50.98	3.14	27.21	43.80	37.53	54	4	-16.47	AV	Vertical	
2390.00	69.31	3.14	27.21	43.80	55.86	74	4	-18.14	Pk	Horizontal	
2390.00	47.53	3.14	27.21	43.80	34.08	54	4	-19.92	AV	Horizontal	
2483.50	68.56	3.58	27.70	44.00	55.84	74	4	-18.16	Pk	Vertical	
2483.50	48.05	3.58	27.70	44.00	35.33	54	4	-18.67	AV	Vertical	
2483.50	69.73	3.58	27.70	44.00	57.01	74	4	-16.99	Pk	Horizontal	
2483.50	46.8	3.58	27.70	44.00	34.08	54	4	-19.92	AV	Horizontal	

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



EUT:			ee m230	cted Band		Model No.:			m2303			
Temperature:		20 ℃		<u> </u>					48%			
•						,						
Test Mode: Mode2/ Mode4 All the modulation modes have been tested, a			Test E	,		Mukzi						
All the modu								<u>ilt wa</u>	is repo	ort as beig	W:	
Frequency	Frequency Reading Level		Cable Loss	Antenna Factor		eamp actor	Emission Level		mits	Margin	Detector	Comment
(MHz)	(dBµ	JV)	(dB)	dB/m	((dB)	(dBµV/m)	(dBµV/m)		(dB)	Туре	
3260	70.7	79	4.04	29.57	4	4.70	59.70	-	74	-14.30	Pk	Vertical
3260	50.7	79	4.04	29.57	4	4.70	39.70	!	54	-14.30	AV	Vertical
3260	68. <i>*</i>	18	4.04	29.57	4	4.70	57.09	-	74	-16.91	Pk	Horizontal
3260	50.4	48	4.04	29.57	4	4.70	39.39	!	54	-14.61	AV	Horizontal
3332	69.4	44	4.26	29.87	4	4.40	59.17	-	74	-14.83	Pk	Vertical
3332	50. ⁻	17	4.26	29.87	4	4.40	39.90	!	54	-14.10	AV	Vertical
3332	70.3	36	4.26	29.87	4	4.40	60.09	-	74	-13.91	Pk	Horizontal
3332	45.4	44	4.26	29.87	4	4.40	35.17	!	54	-18.83	AV	Horizontal
17797	58.9	96	10.99	43.95	4	3.50	70.40	-	74	-3.60	Pk	Vertical
17797	32.4	41	10.99	43.95	4	3.50	43.85	!	54	-10.15	AV	Vertical
17788	52.8	89	11.81	43.69	4	4.60	63.79	-	74	-10.21	Pk	Horizontal
17788	34.5	59	11.81	43.69	4	4.60	45.49	54		-8.51	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:	Moxee m2303	Model No.:	m2303
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Mukzi Lee



7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

7.4.1 Applicable Standard

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

7.4.2 Conformance Limit

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

7.4.3 Measuring Instruments

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

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2

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

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

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

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = Measurement Bandwidth or Channel Separation

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

VBW ≥ RBW Sweep = auto

Detector function = peak Trace = max hold

7.4.6 Test Results

EUT:	Moxee m2303	Model No.:	m2303
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee



7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

7.5.1 Applicable Standard

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

7.5.2 Conformance Limit

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

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:	Moxee m2303	Model No.:	m2303
Temperature:	20 ℃	Relative Humidity:	m2303 48% Mukzi Lee
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

Test data reference attachment.

Note:

A Period Time = (channel number)*0.4

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

For Example:

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



7.6 20DB BANDWIDTH TEST

7.6.1 Applicable Standard

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

7.6.2 Conformance Limit

No limit requirement.

7.6.3 Measuring Instruments

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

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

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

7.6.6 Test Results

EUT:	Moxee m2303	Model No.:	m2303 48% Mukzi Lee
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee



7.7 PEAK OUTPUT POWER

7.7.1 Applicable Standard

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

7.7.2 Conformance Limit

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

7.7.3 Measuring Instruments

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

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

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

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

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

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

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

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

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

 $VBW \ge RBW$

Sweep = auto

Detector function = peak Trace = max hold

7.7.6 Test Results

EUT:	Moxee m2303	Model No.:	m2303
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee



7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

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

7.8.2 Conformance Limit

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

7.8.3 Measuring Instruments

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

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

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

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

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

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

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

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

- RBW = 100KHz
- VBW = 300KHz

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

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

Repeat above procedures until all measured frequencies were complete.

7.8.6 Test Results

EUT:	Moxee m2303	Model No.:	m2303
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	m2303 48% Mukzi Lee



7.9 SPURIOUS RF CONDUCTED EMISSION

7.9.1 Applicable Standard

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

7.9.2 Conformance Limit

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

7.9.3 Measuring Instruments

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

7.9.4 Test Setup

Please refer to Section 6.1 of this test report.

7.9.5 Test Procedure

Establish an emission level by using the following procedure:

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

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

g) Allow trace to fully stabilize.

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

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

7.9.6 Test Results

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



7.10 ANTENNA APPLICATION

7.10.1 Antenna Requirement

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

7.10.2 Result

The EUT antenna is permanent attached PIFA antenna (Gain: -0.1 dBi). It comply with the standard requirement.



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

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

7.11.2 Frequency Hopping System

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

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

7.11.3 EUT Pseudorandom Frequency Hopping Sequence

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

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



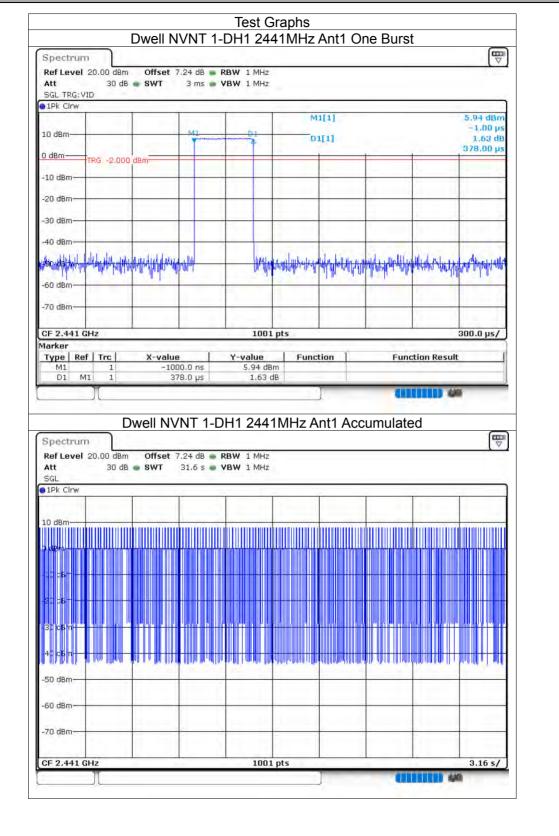
8 TEST RESULTS

8.1 **DWELL TIME**

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.378	76.356	202	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.635	207.645	127	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.888	239.704	83	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.384	66.048	172	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.63	202.12	124	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.888	251.256	87	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.387	75.852	196	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.63	198.86	122	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.888	271.472	94	31600	400	Pass



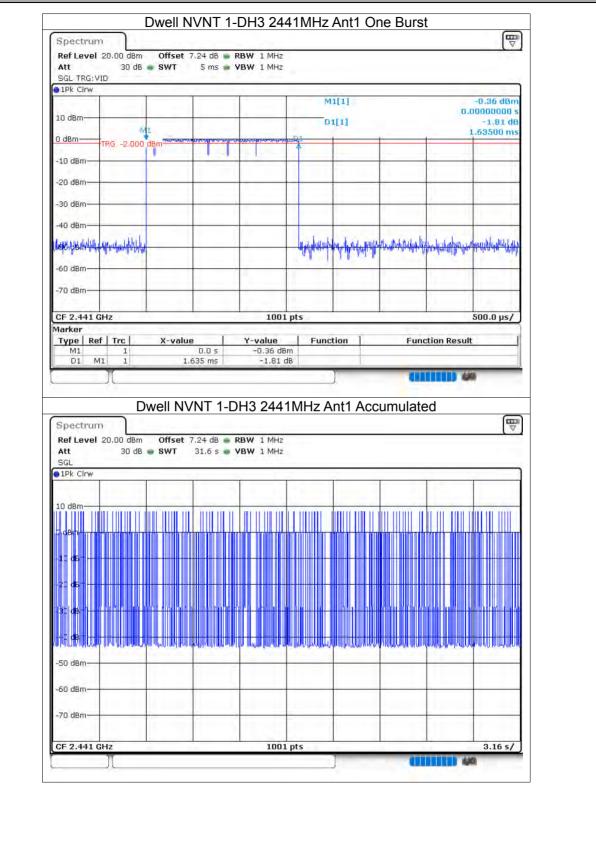




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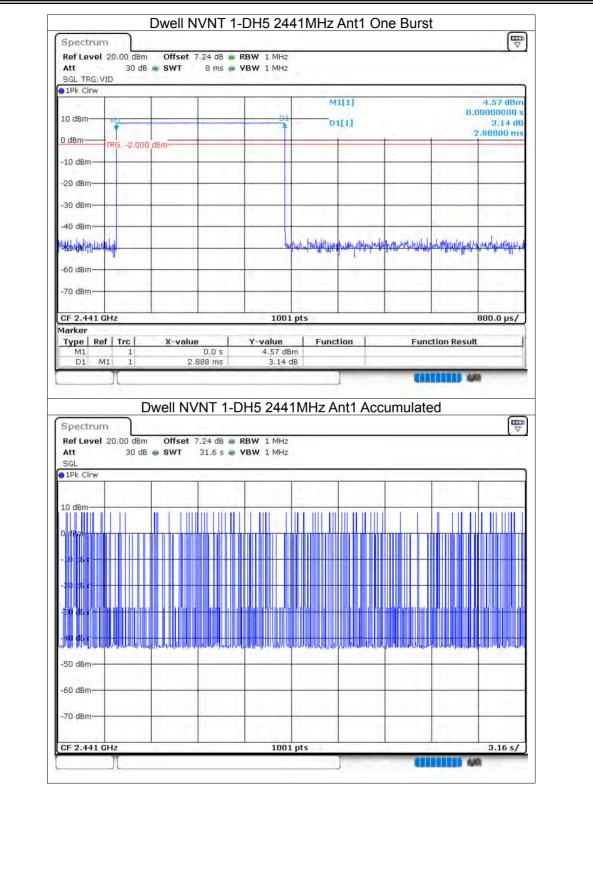




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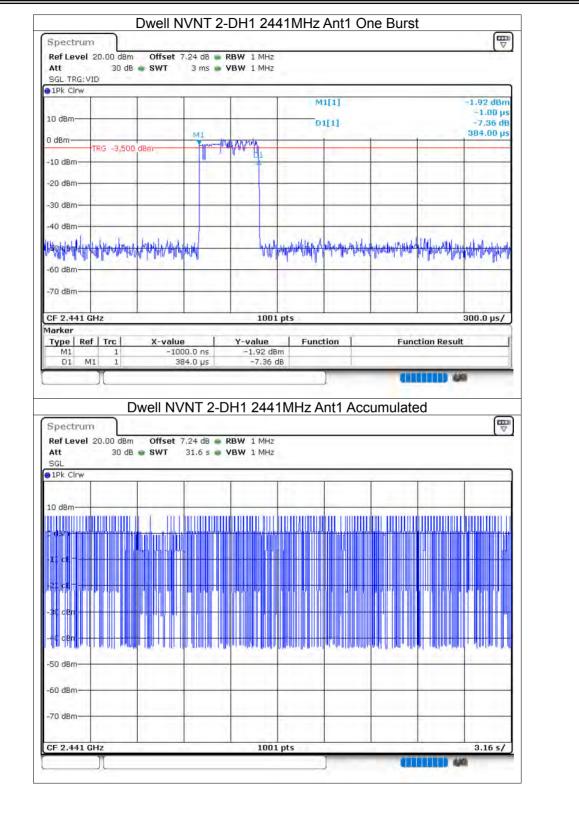






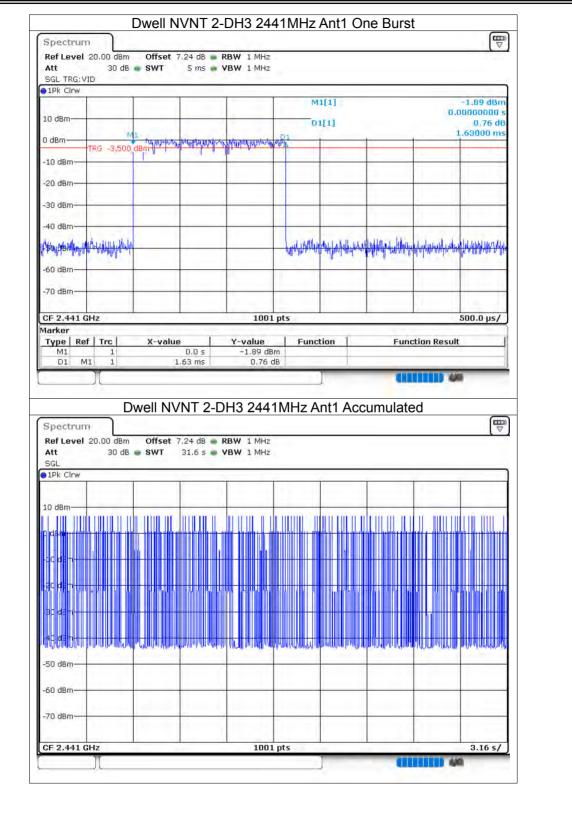






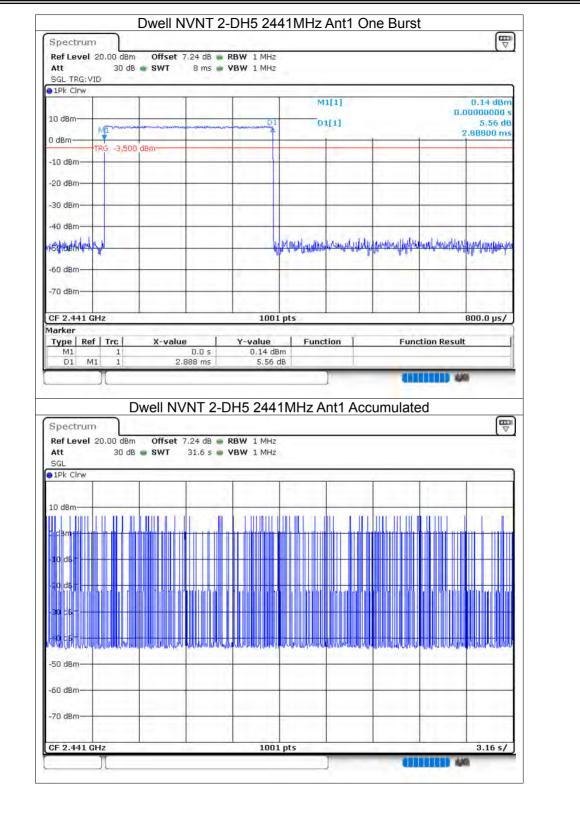




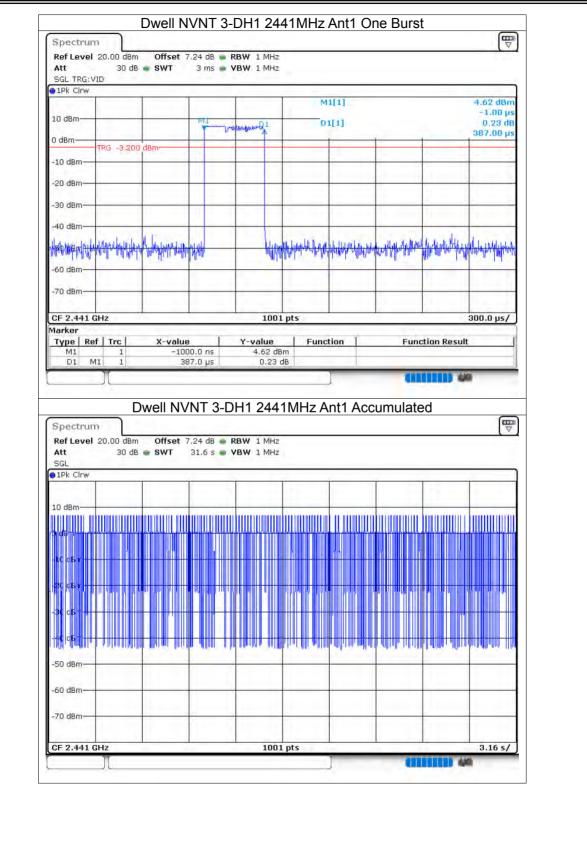






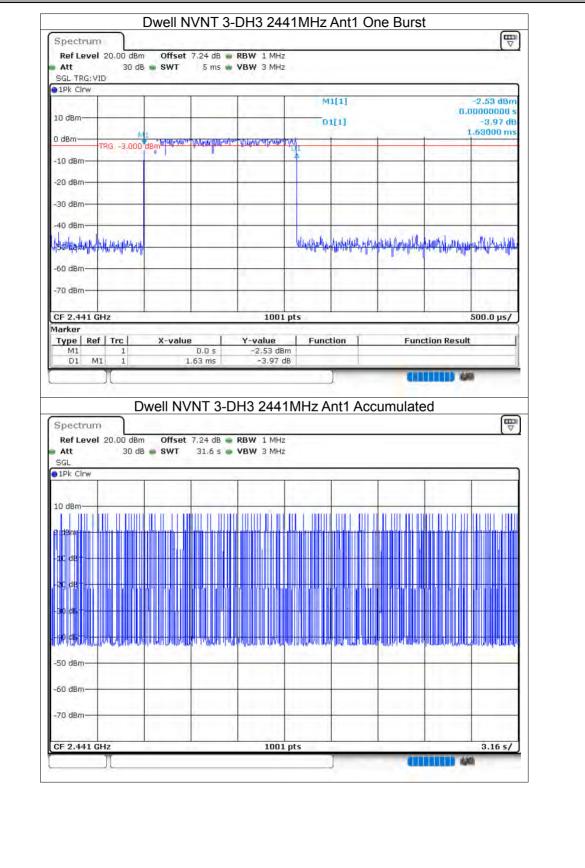






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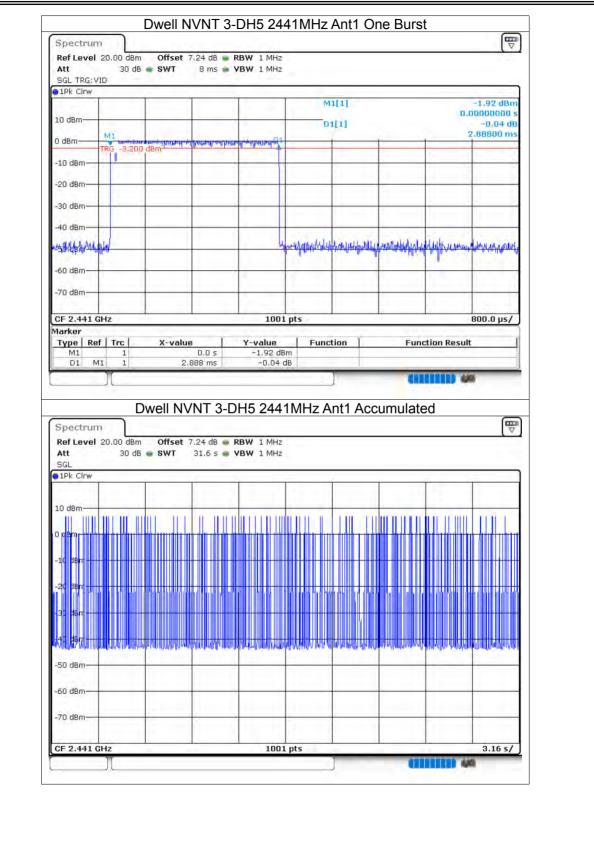




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8.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict					
NVNT	1-DH5	2402	Ant1	8.13	0	8.13	21	Pass					
NVNT	1-DH5	2441	Ant1	8.09	0	8.09	21	Pass					
NVNT	1-DH5	2480	Ant1	7.63	0	7.63	21	Pass					
NVNT	2-DH5	2402	Ant1	6.86	0	6.86	21	Pass					
NVNT	2-DH5	2441	Ant1	7.19	0	7.19	21	Pass					
NVNT	2-DH5	2480	Ant1	6.82	0	6.82	21	Pass					
NVNT	3-DH5	2402	Ant1	7.04	0	7.04	21	Pass					
NVNT	3-DH5	2441	Ant1	7.38	0	7.38	21	Pass					
NVNT	3-DH5	2480	Ant1	7.38	0	7.38	21	Pass					



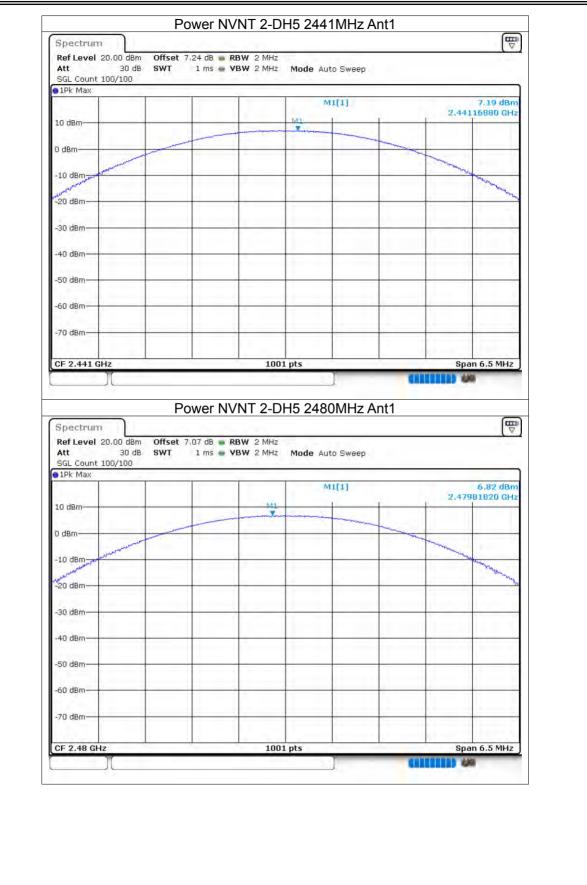
Att SGL Count	20.00 dBm 30 dB 100/100		.07 dB 🗰 RE 1 ms 🖷 YE		Mode Auto	Sweep			
1Pk Max					MI	[1]		2.40	8,13 dBm 197500 GHz
10 dBm				M			-		1
0 dBm	/			-	_			-	
-10 dBm-						_			/
-20 dBm									
-30 dBm				-					
-40 dBm		_			_		-		
-50 dBm									
							. i		
-60 dBm				1.			1	1	
-70 dBm		1		-					
CF 2.402 G				1001			1.		an 5.0 MHz
Ref Level Att	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	H5 2441 Mode Auto		nt1		
	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1		
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto		nt1	2.44	8.09 dBm 102000 GHz
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count I Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count IO dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep	nt1	2.44	8.09 dBm
Ref Level Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	20.00 dBm 30 dB 100/100	Offset 7	.24 dB 🔳 RB	W 2 MHz	Mode Auto) Sweep			8.09 dBm 102000 GHz



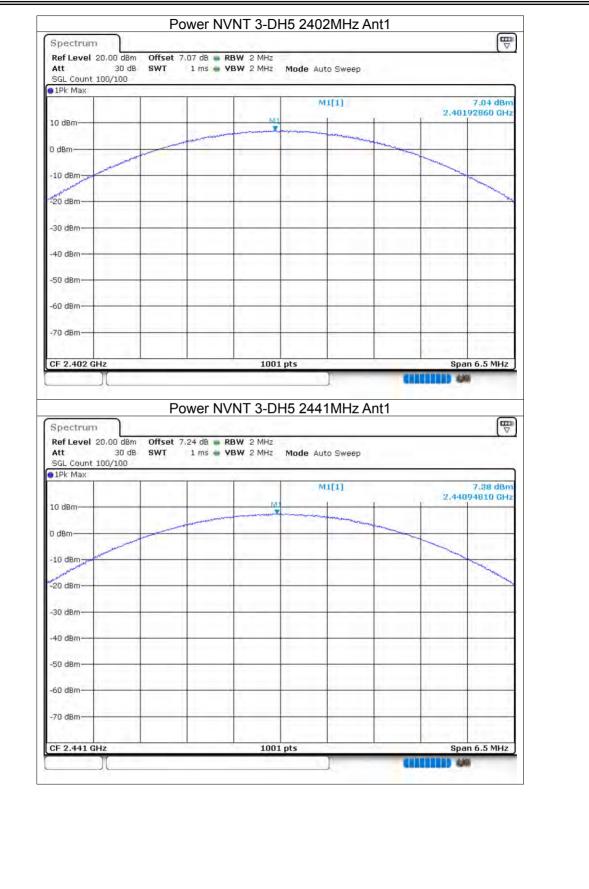




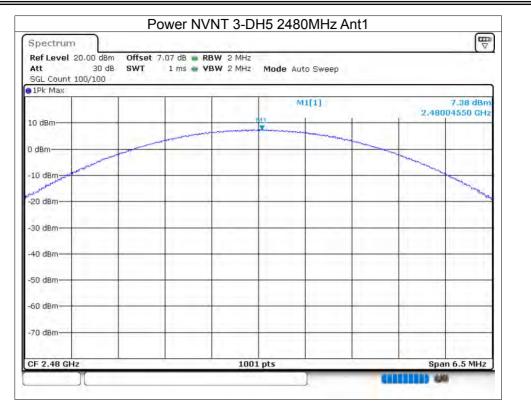
















8.3 -20DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.97	Pass
NVNT	1-DH5	2441	Ant1	0.964	Pass
NVNT	1-DH5	2480	Ant1	1.048	Pass
NVNT	2-DH5	2402	Ant1	1.278	Pass
NVNT	2-DH5	2441	Ant1	1.28	Pass
NVNT	2-DH5	2480	Ant1	1.346	Pass
NVNT	3-DH5	2402	Ant1	1.28	Pass
NVNT	3-DH5	2441	Ant1	1.304	Pass
NVNT	3-DH5	2480	Ant1	1.296	Pass

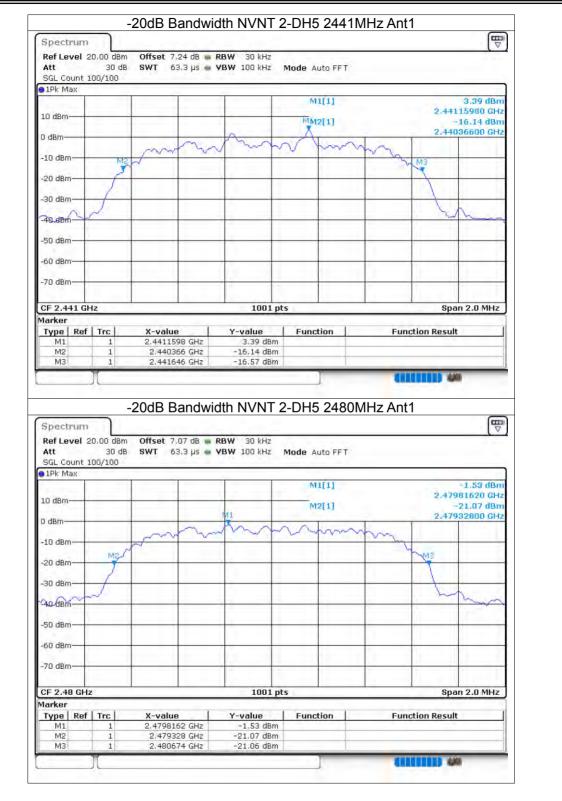








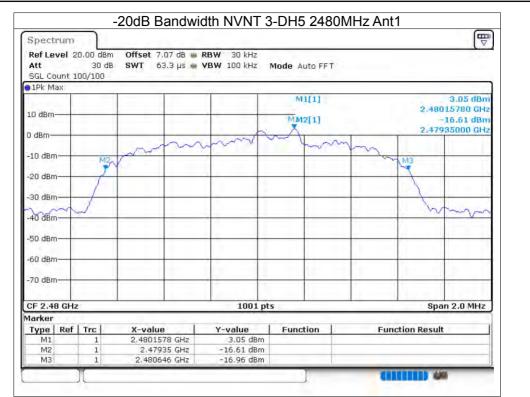














8.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.919
NVNT	1-DH5	2441	Ant1	0.911
NVNT	1-DH5	2480	Ant1	0.913
NVNT	2-DH5	2402	Ant1	1.179
NVNT	2-DH5	2441	Ant1	1.193
NVNT	2-DH5	2480	Ant1	1.183
NVNT	3-DH5	2402	Ant1	1.199
NVNT	3-DH5	2441	Ant1	1.181
NVNT	3-DH5	2480	Ant1	1.199





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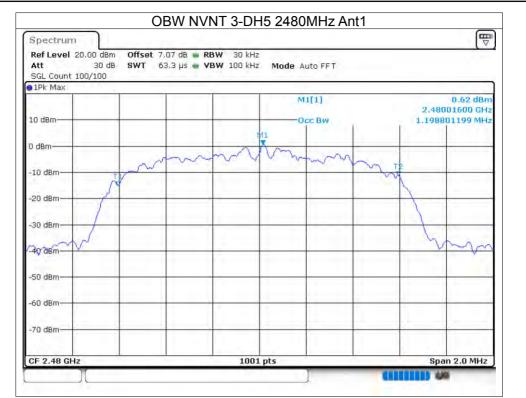














8.5 CARRIER FREQUENCIES SEPARATION

Ο.												
	Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict				
	NVNT	1-DH5	Ant1	2402.052	2403.054	1.002	0.647	Pass				
	NVNT	1-DH5	Ant1	2440.974	2442.054	1.08	0.643	Pass				
	NVNT	1-DH5	Ant1	2479.054	2479.972	0.918	0.025	Pass				
	NVNT	2-DH5	Ant1	2402.16	2403.02	0.86	0.852	Pass				
	NVNT	2-DH5	Ant1	2441.076	2442.01	0.934	0.853	Pass				
	NVNT	2-DH5	Ant1	2479.01	2480.012	1.002	0.897	Pass				
	NVNT	3-DH5	Ant1	2402.138	2403.102	0.964	0.853	Pass				
	NVNT	3-DH5	Ant1	2440.907	2442.082	1.175	0.869	Pass				
	NVNT	3-DH5	Ant1	2479.16	2480.16	1	0.864	Pass				





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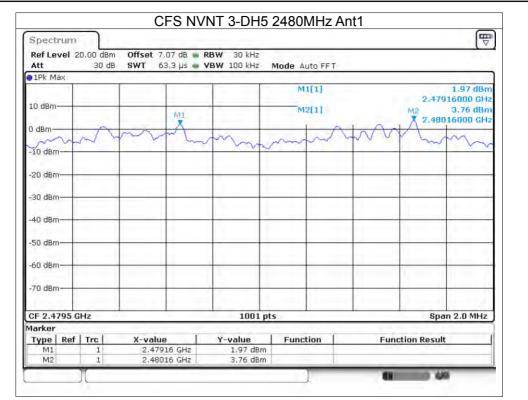












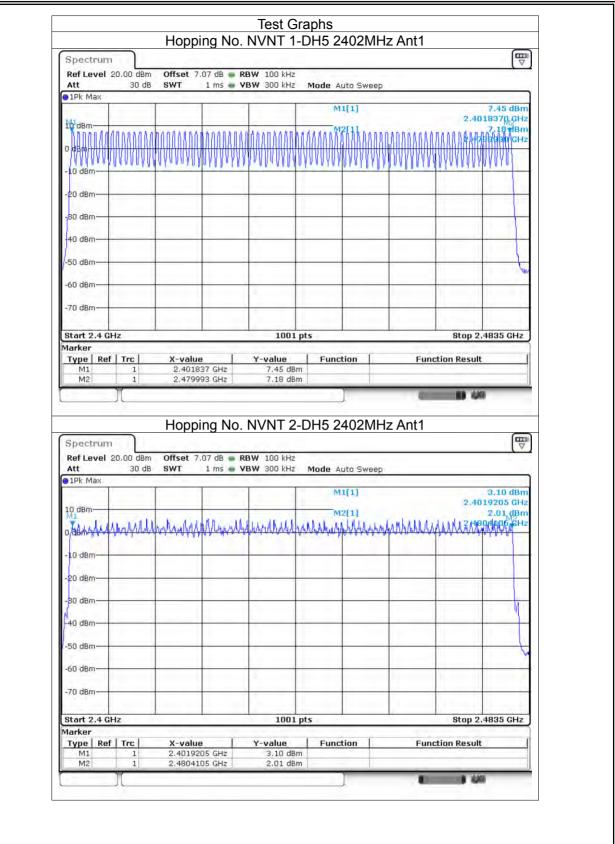


8.6 NUMBER OF HOPPING CHANNEL

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











Spectri Ref Lev			Offcot 7.0		RBW 100 kHz				V
Att		30 dB			VBW 300 kHz	Mode Auto S	weeb		
1Pk Max	<								
		_				M1[1]		-	6.18 dBm
10 dBm-		_			-			2.40	21710 GHz
	e. at	ALC:	at at a	A. C.	dimente de	M2[1]	Little Law	a al in ale	1.17 dBm
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PP-									
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-70 dBm-									· · · · · · · · · ·
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Start 2.4	+ GHz		<u> </u>		1001 pt	s		Stop 2	4835 GHz
larker									
Type I	Ref Ti	rc	X-value		Y-value	Function	[Fi	unction Result	1
M1	1	1	2.402171		6.18 dBm				-
M2		1	2,4804105	GHZ	1.17 dBm				
-								0.00	



8.7 BAND EDGE

-								
	Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
	NVNT	1-DH5	2402	Ant1	No-Hopping	-58.95	-20	Pass
	NVNT	1-DH5	2480	Ant1	No-Hopping	-60.4	-20	Pass
	NVNT	2-DH5	2402	Ant1	No-Hopping	-57.23	-20	Pass
	NVNT	2-DH5	2480	Ant1	No-Hopping	-58.25	-20	Pass
	NVNT	3-DH5	2402	Ant1	No-Hopping	-56.58	-20	Pass
	NVNT	3-DH5	2480	Ant1	No-Hopping	-58.51	-20	Pass



A			3		D110 2102	MHz Ant1	to nopp	ing iter	(m)
Spect		Ļ							
Ref Le Att	vel 2	0.00 dBr 30 d			RBW 100 kHz VBW 300 kHz	Mode Auto FFT			
SGL Co		.00/100	2112						
1Pk M	ax		1	ũ.	1 1			_	2.00.10
						M1[1]		2,402	7.89 dBm 02400 GHz
10 dBm			-	-	MI			1	
							1		
0 dBm-			-			1			
-10 dBn				_		1			
					1		-		
-20 dBn	1		-	-	1/		-	-	
6.2.									1
-30 dBn)			1	M I	M			
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CF 2.4	02 GF	łz			1001 pt	s		Spa	n 8.0 MHz
	Ba)(dge NVI	NT 1-D	1001 pt H5 2402MF		-Hopping		n
	Ba	and E	n Offset	7.77 dB 🖷	H5 2402MH	Iz Ant1 No	1		8
Spect Ref Le Att	Ba rum vel 2	and E and E 0.00 dBr 30 d	n Offset	7.77 dB 🖷	H5 2402MF	Iz Ant1 No	1		n
Spect Ref Le Att	Ba rum vel 2 ount 1	and E	n Offset	7.77 dB 🖷	H5 2402MH	Iz Ant1 No	1		n
Spect Ref Le Att SGL Co	Ba rum vel 2 ount 1	and E and E 0.00 dBr 30 d	n Offset	7.77 dB 🖷	H5 2402MH	Iz Ant1 No	1	Emissio	90 (₩) 8.55 dBm
Spect Ref Le Att SGL Co 1Pk M	Ba rum vel 2 ount 1 ax	and E and E 0.00 dBr 30 d	n Offset	7.77 dB 🖷	H5 2402MH	Hz Ant1 No Mode Auto FFT M1[1]	1	Emissic	00 (₩) 8.55 dBm 215000 \$Hz
Spect Ref Le Att SGL Co 1Pk M	Ba rum vel 2 ount 1 ax	and E and E 0.00 dBr 30 d	n Offset	7.77 dB 🖷	H5 2402MH	Hz Ant1 NO	1	Emissic	90 (₩) 8.55 dBm
Spect Ref Le Att SGL Co 1Pk M 10 dBm 0 dBm-	Ba rum vel 2 ount 1 ax	Ind Eq 10.00 dBr 30 d 00/100	n Offset	7.77 dB 🖷	H5 2402MH	Hz Ant1 No Mode Auto FFT M1[1]	1	Emissic	8.55 dBm 15000/6Hz 52.17 (Bm
Spect Ref Le Att SGL Co 1Pk M 10 dBm 0 dBm-	Ba rum vel 2 punt 1 ax	and E and E 0.00 dBr 30 d	n Offset	7.77 dB 🖷	H5 2402MH	Hz Ant1 No Mode Auto FFT M1[1]	1	Emissic	8.55 dBm 15000/6Hz 52.17 (Bm
Spect Ref Le Att SGL Co 1Pk M 10 dBm 0 dBm-	Ba rum vel 2 punt 1 ax	Ind Eq 10.00 dBr 30 d 00/100	n Offset	7.77 dB 🖷	H5 2402MH	Hz Ant1 No Mode Auto FFT M1[1]	1	Emissic	8.55 dBm 15000/6Hz 52.17 (Bm
Spect Ref Le Att SGL Co 1Pk M 10 dBm 0 dBm-	Ba rum vel 2 ount 1 ax	Ind Eq 10.00 dBr 30 d 00/100	n Offset	7.77 dB 🖷	H5 2402MH	Hz Ant1 No Mode Auto FFT M1[1]	1	Emissic	8.55 dBm 15000/6Hz 52.17 (Bm
Spect Ref Le SGL Cc 1Pk M 10 dBm 0 dBm- -10 dBm	Ba rum vel 2 2 2 2 2 2	Ind Eq 10.00 dBr 30 d 00/100	n Offset	7.77 dB 🖷	H5 2402MH	Hz Ant1 No Mode Auto FFT M1[1]	1	Emissic	8.55 dBm 15000/6Hz 52.17 (Bm
Spect Ref Le Att SGL Cc 1Pk M 10 dBm 0 dBm- -10 dBm -20 dBn -30 dBn	Ba rum vel 2 bount 1	Ind Eq 10.00 dBr 30 d 00/100	n Offset	7.77 dB 227.5 µs	H5 2402MH RBW 100 kHz VBW 300 kHz	Mode Auto FFT		2.402 2.400	200 8.55 dBm 215000 GH2 52.17 Bm 000000 GH2 M2
Spect Ref Le SGL CC IPk M 10 dBm -10 dBm -20 dBn -30 dBn -30 dBn -50 dBn	Ba rum vel 2 pount 1 ax	Ind E 10.00 dBr 30 d 00/100	n Offset	7.77 dB 227.5 µs	H5 2402MH	Mode Auto FFT		2.402 2.400	200 8.55 dBm 215000 GH2 52.17 Bm 000000 GH2 M2
Spect Ref Le SGL CC IPk M ID dBm -10 dBm -20 dBn -30 dBn -30 dBn -50 dBn	Ba rum vel 2 pount 1 ax	Ind E 10.00 dBr 30 d 00/100	6 dBm	7.77 dB 227.5 µs	H5 2402MH RBW 100 kHz VBW 300 kHz	Mode Auto FFT		2.402 2.400	200 8.55 dBm 215000 GH2 52.17 Bm 000000 GH2 M2
Spect Ref Le SGL Cc 1Pk M 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm	Ba rum vel 2 2 0 0 0 0	Ind E 10.00 dBr 30 d 00/100	6 dBm	7.77 dB 227.5 µs	H5 2402MH RBW 100 kHz VBW 300 kHz	Mode Auto FFT		2.402 2.400	200 8.55 dBm 215000 GH2 52.17 Bm 000000 GH2 M2
Spect Ref Le SGL Cc 1Pk M 10 dBm -10 dBm -10 dBm -10 dBm -20 dBn -30 dBn -30 dBn -50 dBn -50 dBn -50 dBn	Ba rum vel 2 bount 1	1 20.00 dBr 30 d 00/100 01 -12,10 21 -12,10	6 dBm	7.77 dB 227.5 µs	H5 2402MH	Hz Ant1 No Mode Auto FFT M1[1] M2[1] M2[1]		2.402	8.55 dBm 15000/\$Hz 52.17 IBm 000000 GH2 M2 M2
Spect Ref Le SGL Cd 1P K M 10 dBm -10 dBm -10 dBm -20 dBn -30 dBn -30 dBn -50 dBn -50 dBn -70 dBn -70 dBn	Ba rum vel 2 bount 1	1 20.00 dBr 30 d 00/100 01 -12,10 21 -12,10	6 dBm	7.77 dB 227.5 µs	H5 2402MH RBW 100 kHz VBW 300 kHz	Hz Ant1 No Mode Auto FFT M1[1] M2[1] M2[1]		2.402	200 8.55 dBm 215000 GH2 52.17 Bm 000000 GH2 M2
Spect Ref Le SGL Cc 1Pk M 10 dBm -10 dBm -20 dBn -20 dBn -30 dBn -40 dBn -50 dBn -60 dBn -70 dBn -70 dBn -70 dBn -70 dBn -70 dBn -70 dBn	Ba rum vel 2 ount 1 ax	I and E 0.000 dBr 30 d 000/100 11 -12,10 advan/Mar GHz [Trc]	6 dBm	7.77 dB 227.5 µs	H5 2402MH	Hz Ant1 No Mode Auto FFT M1[1] M2[1] M2[1]	uler diffrom have	2.402	00 8.55 dBm 15000 GH2 52.17 /Bm 000000 GH2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M
Spect Ref Le SGL Cc 1 Pk M 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50	Ba rum vel 2 ount 1 ax	C. 0.00 dBr 30 d 000/100 01 -12,10 01 -12,10 01 -12,10 01 -12,10 01 -12,10	A Offset 3 SWT : 6 dBm 4 days of the set	7.77 dB 227.5 µs	H5 2402MH RBW 100 kHz VBW 300 kHz	Hz Ant1 No Mode Auto FFT 	uler diffrom have	Emissic 2.402 2.400 2.400 5top	00 8.55 dBm 15000 GH2 52.17 /Bm 000000 GH2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M
Spect Ref Lea SGL Cc 1Pk M 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70	Ba rum vel 2 ount 1 ax	C	6 dBm	7.77 dB 227.5 µs 227.5 µs M4 M4 M4 M4 215 GHz 2.4 GHz 2.39 GHz	H5 2402MH RBW 100 kHz VBW 300 kHz VBW 300 kHz VBW 300 kHz 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz VBW 300 kHz VB	Hz Ant1 No Mode Auto FFT 	uler diffrom have	Emissic 2.402 2.400 2.400 5top	00 8.55 dBm 15000 GH2 52.17 /Bm 000000 GH2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M
Spect Ref Le SGL Cc 1Pk M 10 dBm 0 dBm- -10 dBm -10 dBm -20 dBn -20 dBn -30 dB	Ba rum vel 2 ount 1 ax	Ind E 10.00 dBr 30 d 00/100 1 -12,10 	6 dBm	7.77 dB 227.5 µs	H5 2402MH RBW 100 kHz YBW 300 kHz	Hz Ant1 No Mode Auto FFT 	uler diffrom have	Emissic 2.402 2.400 2.400 5top	00 8.55 dBm 15000 GH2 52.17 /Bm 000000 GH2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M

ACCREDITED



	0 dBm Offset 7 30 dB SWT 3 /100			Mode Au	ito FFT			
💿 1Pk Max		80.						
				MU	L[1]		2 470	8,15 dBr
10 dBm		-	M1		-		2.479	84020 GH
1.00			m	\mathbf{i}				
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			1001	F ***			590	
Spectrum	d Edge NVN				<u>1 No-H</u>	opping I	Emissic	
Spectrum Ref Level 20.0	0 dBm Offset 30 dB SWT 2	7.77 dB 📦	RBW 100 kHz			opping I	Emissic	on (₩
Spectrum Ref Level 20.0 Att	0 dBm Offset 30 dB SWT 2	7.77 dB 📦	RBW 100 kHz	: Mode A	uto FFT.	opping I	Emissic	E ▼
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max	0 dBm Offset 30 dB SWT 2	7.77 dB 📦	RBW 100 kHz	: Mode A		opping I	10.00	7.84 dBr
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max	0 dBm Offset 30 dB SWT 2	7.77 dB 📦	RBW 100 kHz	: Mode A Mi	uto FFT.	opping I	2.479	7.84 dBr 95000 GH 52.87 dBr
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm- 0 dBm-	0 dBm Offset 30 dB SWT 2 /100	7.77 dB 📦	RBW 100 kHz	: Mode A Mi	uto FFT.	opping I	2.479	7.84 dBr 95000 GH 52.87 dBr
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm- 0 dBm-	0 dBm Offset 30 dB SWT 2 /100	7.77 dB 📦	RBW 100 kHz	: Mode A Mi	uto FFT.	opping I	2.479	
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max	0 dBm Offset 30 dB SWT 2 /100	7.77 dB 📦	RBW 100 kHz	: Mode A Mi	uto FFT.	opping I	2.479	7.84 dBn 95000 GH 52.87 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ • 1Pk Max 10 me - 0 d8m - 10 d8m - 10 d8m - 20 d8m	0 dBm Offset 30 dB SWT 2 /100	7.77 dB 📦	RBW 100 kHz	: Mode A Mi	uto FFT.	opping I	2.479	7.84 dBn 95000 GH 52.87 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	0 dBm Offset 30 dB SWT 2 /100	7.77 dB 📦	RBW 100 kHz	: Mode A Mi	uto FFT.	opping I	2.479	7.84 dBn 95000 GH 52.87 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ • 1Pk Max 10 me - 0 d8m - 10 d8m - 10 d8m - 20 d8m	0 dBm Offset 30 dB SWT 2 /100	7.77 dB 📦	RBW 100 kHz	: Mode A Mi	uto FFT.	opping I	2.479	7.84 dBn 95000 GH 52.87 dBn
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -50 dBm	0 dBm Offset 30 dB SWT 2 /100	7.77 dB	RBW 100 kHz	Mode A	L[1] 2[1]		2.479	7.84 dBn 995000 GH 52.87 dBn 50000 GH
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -50 dBm	0 dBm Offset 30 dB SWT 2 /100	7.77 dB	RBW 100 kHz	: Mode A Mi	L[1] 2[1]		2.479	7.84 dBn 995000 GH 52.87 dBn 50000 GH
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -60 dBm	0 dBm Offset 30 dB SWT 2 /100	7.77 dB	RBW 100 kHz	Mode A	L[1] 2[1]		2.479	7.84 dBn 995000 GH 52.87 dBn 50000 GH
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -40 dBm	0 dBm Offset 30 dB SWT 2 /100	7.77 dB	RBW 100 kHz	Mode A	L[1] 2[1]		2.479	7.84 dBn 995000 GH 52.87 dBn 50000 GH
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -60 dBm	0 dBm Offset 30 dB SWT 2 /100	7.77 dB	RBW 100 kHz	Mode A	L[1] 2[1]		2.479 2.483	7.84 dBr 195000 GH 52.87 dBr 50000 GH
Spectrum Ref Level 20.0 Att SGL Count 100/ 11 Pk Max 10 dBm 0 dBm -10 cBm -20 cBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm Start 2.476 GH Marker	0 dBm Offset 30 dB SWT 2 /100 	7.77 dB = 227.5 µs =	RBW 100 kHz	Mode A	uto FFT. [[1] 2[1]	hel white Prenty welle	2.479 2.483 wth.///when stop	7.84 dBr 995000 GH 52.87 dBr 50000 GH
Spectrum Ref Level 20.0 Att SGL Count 100/ 11 Pk Max 10 dBm 0 dBm -10 dBm 01 - -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -70 dBm Start 2.476 GH	0 dBm Offset 30 dB SWT 2 /100 -11.845 dBm- -11.845 dBm-	7.77 dB = 227.5 µs =	RBW 100 kHz	Mode A	uto FFT. [[1] 2[1]	hel white Prenty welle	2.479 2.483	7.84 dBr 995000 GH 52.87 dBr 50000 GH
Spectrum Ref Level 20.0 Att SGL Count 100/ 11 Pk Max 10 dBm 0 dBm -10 dBm 01 - -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm	0 dBm Offset 30 dB SWT 2 /100 	7.77 dB = 27.5 µs = 27.5 µ	RBW 100 kHz VBW 300 kHz	2 Mi Mi Mi Mi Mi Mi Mi Mi Mi Mi Mi Mi Mi	uto FFT. [[1] 2[1]	hel white Prenty welle	2.479 2.483 wth.///when stop	7.84 dBr 995000 GH 52.87 dBr 50000 GH
Spectrum Ref Level 20.0 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 2.476 GH Marker Type Ref Tr M1	0 dBm Offset 30 dB SWT 2 /100 -11.845 dBm -11.845 dBm -11.845 dBm -11.845 dBm -11.845 dBm -11.845 dBm -11.845 dBm -11.845 dBm -11.845 dBm -11.845 dBm	7.77 dB = 227.5 µs = 2	RBW 100 kHz VBW 300 kHz	2 Mode A M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	uto FFT. [[1] 2[1]	hel white Prenty welle	2.479 2.483 wth.///when stop	7.84 dBn 995000 GH 52.87 dBn 50000 GH



Att SGL Coun				RBW 100 kHz VBW 300 kHz	Mode A	uto FFT			[m ⊽
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CF 2.402	GHz	_	_	1001	pts			Spa	n 8.0 MHz
Spectru	m I 20.00 dBm	o Offset 7.	07 dB 🖷	15 2402N			opping	Emissic	on (T
Spectrui Ref Level Att SGL Coun	m I 20.00 dBm 30 dB	o Offset 7.	07 dB 🖷				opping	Emissic	
Spectrui Ref Level Att	m I 20.00 dBm 30 dB	o Offset 7.	07 dB 🖷	RBW 100 kHz	Mode .	Auto FFT	opping	Emissic	I ⊽
Spectrui Ref Level Att SGL Coun	m I 20.00 dBm 30 dB	o Offset 7.	07 dB 🖷	RBW 100 kHz	Mode	Auto FFT	opping	2.401	3.74 dBn 95000 GH
Spectrur Ref Level Att SGL Coun 1Pk Max	m I 20.00 dBm 30 dB	o Offset 7.	07 dB 🖷	RBW 100 kHz	Mode	Auto FFT	opping	2.401	3.74 dBr
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm- 0 dBm-	m I 20.00 dBm 30 dB	o Offset 7.	07 dB 🖷	RBW 100 kHz	Mode	Auto FFT	opping	2.401	3.74 dBn 95000 GH 52.10 HBn
Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm- 0 dBm- -10 dBm-	m I 20.00 dBm 30 dB	n Offset 7. 3 SWT 22	07 dB 🖷	RBW 100 kHz	Mode	Auto FFT	opping	2.401	3.74 dBn 95000 GH 52.10 HBn
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm- 0 dBm-	m I 20.00 dBm 30 dB t 100/100	n Offset 7. 3 SWT 22	07 dB 🖷	RBW 100 kHz	Mode	Auto FFT	opping	2.401	3.74 dBn 95000 GH 52.10 HBn
Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm- 0 dBm- -10 dBm-	m I 20.00 dBm 30 dB t 100/100	n Offset 7. 3 SWT 22	07 dB 🖷	RBW 100 kHz	Mode	Auto FFT	opping	2.401	3.74 dBn 95000 GH 52.10 HBn
Spectrun Ref Level Att SGL Coun 1Pk Max 1D dBm- -0 dBm- -10 dBm- -20 dBm-	m I 20.00 dBm 30 dB t 100/100	n Offset 7. 3 SWT 22	07 dB 🖷	RBW 100 kHz	Mode	Auto FFT	opping	2.401	3.74 dBn 95000 GH 52.10 HBn
Spectrum Ref Level Att SGL Coun 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	m I 20.00 dBm 30 dB t 100/100	n Offset 7. 3 SWT 22	07 dB 7.5 μs 	RBW 100 kHz YBW 300 kHz	Mode M	Auto FFT.	opping	2.401	3.74 dBn 95000 GH 52.10 HBn
Spectrun Ref Level Att SGL Coun 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm-	m 30 dB 1 20.00 dBm 30 dB t 100/100	n Offset 7. 3 SWT 22	07 dB 7.5 μs	RBW 100 kHz YBW 300 kHz	Mode M	Auto FFT.		2.401	3.74 dBn 95000 GH 52,10 dBn 00000 GH
Spectrum Ref Level Att SGL Coun 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	m 30 dB 1 20.00 dBm 30 dB t 100/100	A Offset 7. SWT 22	07 dB 7.5 μs 	RBW 100 kHz YBW 300 kHz	Mode M	Auto FFT.		2.400	3.74 dBn 95000 GH 52,10 dBn 00000 GH
Spectrun Ref Level Att SGL Coun 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm-	m 30 dB 1 20.00 dBm 30 dB t 100/100	A Offset 7. SWT 22	07 dB 7.5 μs 	RBW 100 kHz YBW 300 kHz	Mode M	Auto FFT.		2.400	3.74 dBn 95000 GH 52,10 dBn 00000 GH
Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm	m 30 dB 30 dB 100/100	A Offset 7. SWT 22	07 dB 7.5 μs 	RBW 100 kHz VBW 300 kHz	Mode M M	Auto FFT.		2.401 2.400 M3 Amay Wulkey	3.74 dBn 95000 GH 52.10 HBn 00000 GH
Spectrum Ref Level Att SGL Coun 10 dBm	m 30 dB 30 dB 1 20.00 dBm 30 dB 1 100/100	A Offset 7. SWT 22	07 dB 7.5 μs 	RBW 100 kHz YBW 300 kHz	Mode M M	Auto FFT.		2.401 2.400 M3 Amay Wulkey	3.74 dBn 95000 GH 52,10 dBn 00000 GH
Spectrum Ref Level Att SGL Coun 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm Start 2.30 Marker Type Ref	m 1 20.00 dBm 30 dB 1 100/100 1 00/100 1	A dBm	07 dB 7.5 μs	RBW 100 kHz YBW 300 kHz	Mode	Auto FFT.	- Valle California	2.401 2.400 M3 Amay Wulkey	3.74 dBn 95000 GH 52.10 dBn 00000 GH
Spectrui Ref Level Att SGL Coun 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm Start 2.30 Marker Type Ref M2	m 1 20.00 dBm 30 dB 1 20.00 dBm 30 dB 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/1	а Offset 7. 3 SWT 22 4 dBm 4	07 dB 7.5 μs M4 M4 5 GHz 4 GHz	RBW 100 kHz VBW 300 kHz VBW 300 kHz 1001 1001 Y-value 3.74 dBr -52.10 dBr	Mode	Auto FFT.	- Valle California	2.401 2.400 M3 Anna)[Multitul Stop :	3.74 dBn 95000 GH 52.10 dBn 00000 GH
Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm - 10 dBm - 20 dBm - 20 dBm - 30 dBm - 30 dBm - 40 dBm - 50 dBm - 70 dBm -	D1 20.00 dBm 30 dB 1 20.00 dBm 30 dB 1 100/100 D1 -14.62 D1 -14.62	о Offset 7. S SWT 22	07 dB 7.5 μs M4 M4 5 GHz 9 GHz	RBW 100 kHz YBW 300 kHz VBW 300 kHz 100 1001 Y-value 3.74 dBr -55.10 dBr -56.21 dBr	Mode	Auto FFT.	- Valle California	2.401 2.400 M3 Anna)[Multitul Stop :	3.74 dBn 95000 GH 52.10 dBn 00000 GH
Spectrui Ref Level Att SGL Coun 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm Start 2.30 Marker Type Ref Marker Type Ref	m 1 20.00 dBm 30 dB 1 20.00 dBm 30 dB 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/100 100/1	о Offset 7. S SWT 22	07 dB 7.5 μs M4 M4 5 GHz 4 GHz	RBW 100 kHz VBW 300 kHz VBW 300 kHz 1001 1001 Y-value 3.74 dBr -52.10 dBr	Mode	Auto FFT.	- Valle California	2.401 2.400 M3 Anna)[Multitul Stop :	3.74 dBn 95000 GH 52.10 dBn 00000 GH



Ref Level 20.0 Att	30 dB 8			BW 100 kHz BW 300 kHz	Mode Au	uto FFT			
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Ban Spectrum Ref Level 20.0 Att SGL Count 100	00 dBm 0 30 dB S	Offset 7.(07 dB 🖷 I	15 2480M	IHz Ant		opping		on
Ban Spectrum Ref Level 20.0 Att	00 dBm 0 30 dB S	Offset 7.(07 dB 🖷 I	15 2480M	IHz Ant Mode 4		opping		on ["
Ban Spectrum Ref Level 20.0 Att SGL Count 100	00 dBm 0 30 dB S	Offset 7.(07 dB 🖷 I	15 2480M	IHz Ant Mode .4	Auto FFT.	opping	Emissic	3.12 dB
Ban Spectrum Ref Level 20.0 Att SGL Count 100 1Pk Max	00 dBm 0 30 dB S	Offset 7.(07 dB 🖷 I	15 2480M	IHz Ant Mode .4	Auto FFT.	opping	Emissic	3,12 dB 105000 Gi -53,99 dB
Ban Spectrum Ref Level 20./ Att SGL Count 100 IPk Max	00 dBm 0 30 dB S	Offset 7.(07 dB 🖷 I	15 2480M	IHz Ant Mode .4	Auto FFT.	opping	Emissic	3,12 dB 005000 GF -53,99 dB
Ban Spectrum Ref Level 20./ Att SGL Count 100 1Pk Max 10 dBm -10 dBm -10 dBm	00 dBm 0 30 dB S	Offset 7.0 SWT 227	07 dB 🖷 I	15 2480M	IHz Ant Mode .4	Auto FFT.	opping	Emissic	3,12 dB 005000 GF -53,99 dB
Ban Spectrum Ref Level 20.0 Att SGL Count 1000 1Pk Max 10 dBm -10 dBm -20 dBm	00 dBm 0 30 dB S /100	Offset 7.0 SWT 227	07 dB 🖷 I	15 2480M	IHz Ant Mode .4	Auto FFT.	opping	Emissic	3,12 dB 005000 GF -53,99 dB
Ban Spectrum Ref Level 20.4 Att SGL Count 100 ID gBm 0 dBm -10 dBm -20 dBm -30 dBm	00 dBm 0 30 dB S /100	Offset 7.0 SWT 227	07 dB 🖷 I	15 2480M	IHz Ant Mode .4	Auto FFT.	opping	Emissic	3,12 dB 005000 GF -53,99 dB
Ban Spectrum Ref Level 20.0 Att SGL Count 100 1Pk Max 10.dBm -10.dBm -20.dBm -30.dBm -40.dBm	00 dBm 0 30 dB S /100	Offset 7.0 SWT 227	07 dB 🖷 I	15 2480M	IHz Ant Mode .4	Auto FFT.	opping	Emissic	3,12 dB 005000 GF -53,99 dB
Ban Spectrum Ref Level 20.4 Att SGL Count 100 IPk Max ID,dBm 0 dBm -10 dBm -20 dBm -40 dBm -40 dBm	-14,508 dBr	Diffset 7.0 WWT 227	07 dB • 1	15 2480M	Mode A	Auto FFT		2.480 2.483	3,12 dB 005000 GF -53,99 dB 550000 GF
Ban Spectrum Ref Level 20.4 Att SGL Count 100 IPk Max ID,dBm 0 dBm -10 dBm -20 dBm -40 dBm -40 dBm	-14,508 dBr	Diffset 7.0 WWT 227	07 dB • 1	15 2480M	Mode A	Auto FFT	opping	2.480 2.483	3.12 dB 005000 GH 533.99 dB 350000 GH
Ban Spectrum Ref Level 20.4 Att SGL Count 100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm 50 dBm	-14,508 dBr	Diffset 7.0 WWT 227	07 dB • 1	15 2480M	Mode A	Auto FFT		2.480 2.483	3,12 dB 005000 GF -53,99 dB 550000 GF
Ban Spectrum Ref Level 20.4 Att SGL Count 100 IPk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	-14.508 dBr	Diffset 7.0 WWT 227	07 dB • 1	15 2480M	IHz Ant Mode / Mi	Auto FFT		2.480 2.480	2)n 3,12 dB 205000 GI 53,99 dB 350000 GI
Ban Spectrum Ref Level 20.0 Att SGL Count 1000 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 2.476 GF Marker	-14.508 dBr	M3	07 dB • 1	15 2480M	Mode A	Auto FFT 1[1] 2[1] 	ahranda da d	Emissic 2.480 2.483	2.576 GH
Ban Spectrum Ref Level 20.4 Att SGL Count 100 IPk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm Start 2.476 GF	-14.508 dBr	Diffset 7.0 WWT 227	07 dB • 1 .5 µs • 1	15 2480M	IHz Ant Mode A Mi	Auto FFT 1[1] 2[1] 	ahranda da d	2.480 2.480	2.576 GH
Ban Spectrum Ref Level 20.4 SGL Count 1000 ID dBm ID dBm ID dBm ID dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.476 GF Marker Type Ref I	-14.508 dBr 42	M3 X-value 2.4835 2.4835	07 dB • 1 '.5 µs • '	15 2480M	IHz Ant Mode A M M M M	Auto FFT 1[1] 2[1] 	ahranda da d	Emissic 2.480 2.483	2.576 GH



Att SGL Count				BW 100 kHz BW 300 kHz		uto FFT			
1Pk Max				7 7					
-					M	1[1]		2 402	3,89 dBr 208790 GH
10 dBm					41			2.402	
				~	X				
0 dBm				1 P	pol				
-10 dBm				1					
-10 06/1				1					
-20 dBm	-	-	-				-		-
1000									
-30 dBm	1					~ ~	-		
-40 dBm			m	v I		mul	-		
- to abin									
-50 dBm		hard					1250	0	
mon	mon	1.00					- w	han	mm
-60 dBm				-					
-70 dBm									
5 5 GBIT					12.00	1			
CF 2.402	011-		-	1001	nte			Sna	in 8.0 MHz
OF 2.402	GHZ								
E	Band Ed	Offset 7	7.07 dB 🖷	15 2402N	z		opping l	Emissic	
E Spectrur	Band Ed	Offset 7	7.07 dB 🖷		z		opping I	Emissic	
Spectrur Ref Level Att	Band Ed	Offset 7	7.07 dB 🖷	RBW 100 kHz	z z Mode 4	Auto FFT	opping I	Emissic	Į
E Spectrur Ref Level Att SGL Count 9 IPk Max	Band Ed	Offset 7	7.07 dB 🖷	RBW 100 kHz	z z Mode 4		opping I		4.04 dBr
Spectrur Ref Level Att SGL Count	Band Ed	Offset 7	7.07 dB 🖷	RBW 100 kHz	z z Mode / M	Auto FFT	opping I	2.401	4.04 dBn 95000 GH 49.71 Bn
E Spectrur Ref Level Att SGL Count • 1Pk Max	Band Ed	Offset 7	7.07 dB 🖷	RBW 100 kHz	z Mode /	Auto FFT.	opping I	2.401	4.04 dBm 95000 GH -49.71 dBm 106000 GH
E Spectrur Ref Level Att SGL Count IPk Max	3and Ed	Offset 7 SWT 23	7.07 dB 🖷	RBW 100 kHz	z Mode /	Auto FFT.	opping I	2.401	4.04 dBn 95000 GH 49.71 Bn
E Spectrur Ref Level Att SGL Count IPk Max 10 dBm- 0 dBm-	Band Ed	Offset 7 SWT 23	7.07 dB 🖷	RBW 100 kHz	z Mode /	Auto FFT.	opping I	2.401	4.04 dBn 95000 GH 49.71 Bn
E Spectrur Ref Level Att SGL Count ISGL Count ID dBm 0 dBm -10 dBm -20 dBm	3and Ed 20.00 dBm 30 dB 100/100	Offset 7 SWT 23	7.07 dB 🖷	RBW 100 kHz	z Mode /	Auto FFT.	opping I	2.401	4.04 dBn 95000 GH 49.71 Bn
E Spectrur Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm	3and Ed 20.00 dBm 30 dB 100/100	Offset 7 SWT 23	7.07 dB 🖷	RBW 100 kHz	z Mode /	Auto FFT.	opping I	2.401	4.04 dBn 95000 GH 49.71 Bn
E Spectrur Ref Level Att SGL Count ISGL Count ID dBm 0 dBm -10 dBm -20 dBm	3and Ed 20.00 dBm 30 dB 100/100	Offset 7 SWT 23	7.07 dB 🖷	RBW 100 kH; VBW 300 kH;	z z Mode / M	Auto FFT.	opping I	2.401	4.04 dBn 195000 GH 195000 GH
E Spectrur Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band Ed	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz VBW 300 kHz	Z Mode A	Auto FFT.		2.401	4.04 dBn 955000 GH 99571 dBn 1000000 GH
E Spectrur Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	Band Ed	Offset 7 SWT 23	7.07 dB 27.5 µs	RBW 100 kH; VBW 300 kH;	Z Mode A	Auto FFT.		2.401	4.04 dBn 955000 GH 99571 dBn 1000000 GH
E Spectrur Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band Ed	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz VBW 300 kHz	Z Mode A	Auto FFT.		2.401	4.04 dBn 955000 GH 99571 dBn 1000000 GH
E Spectrur Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band Ed	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz VBW 300 kHz	Z Mode A	Auto FFT.		2.401	4.04 dBn 955000 GH 99571 dBn 1000000 GH
E Spectrur Ref Level Att SGL Count I D dBm D dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	Band Ed 120.00 dBm 30 dB 100/100	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz VBW 300 kHz	Z Mode A	Auto FFT.		2.401 2.400	4.04 dBn 955000 GH 99571 dBn 1000000 GH
E Spectrur Ref Level Att SGL Count SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm Marker	Band Ed 120.00 dBm 30 dB 100/100 101-16,114 04-04-04-04-04-04-04-04-04-04-04-04-04-0	offset 7 SWT 22	7.07 dB 27.5 μs	RBW 100 kHz VBW 300 kHz M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	Z Mode A	Auto FFT	ay be he they we a first	2.401 2.400	4.04 dBn 955000 GH 955000 GH
E Spectrur Ref Level Att SGL Count O dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Band Ed 120.00 dBm 30 dB 100/100 101-16,114 04-04-04-04-04-04-04-04-04-04-04-04-04-0	offset 7 SWT 22	7.07 dB 27.5 μs	RBW 100 kHz VBW 300 kHz M4 M4	z Mode / M. M. M. M. M. M. M. M. M. M. M. M. M.	Auto FFT	ay be he they we a first	2.401 2.400	4.04 dBn 955000 GH 955000 GH
E Spectrur Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dB	Band Ed 120.00 dBm 30 dB 100/100 100/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-16,114 00/100 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10 101-10	Offset 7 SWT 22	7.07 dB 27.5 μs 27.5	RBW 100 kH; VBW 300 kH; VBW 3	2 2 Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT	ay be he they we a first	2.401 2.400	4.04 dBn 955000 GH 955000 GH
E Spectrur Ref Level Att SGL Count I D dBm 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.30 Marker Type Res M1	Band Ed 120.00 dBm 30 dB 100/100 -01 -16,114 -01 -16	Offset 7 SWT 22	7.07 dB 27.5 μs	RBW 100 kHz VBW 300 kHz M4 M4 Vm m/m/m/m/m 1001 Y-value 4.04 dB	2 2 Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT	ay be he they we a first	2.401 2.400	4.04 dBn 955000 GH 955000 GH



Ref Level 20.00 dBm Att 30 dB SGL Count 100/100		B B RBW 100 kHz S B VBW 300 kHz	Mode A	uto FFT			
●1Pk Max							
			M	1[1]		2 400	5.75 dBi 00000 GH
10 dBm		TOT.		-		2,400	
1.00			h				
0 dBm		N	Jord				
1.000			1				
-10 dBm			1		· · · · · · · · · · · · · · · · · · ·	-	
-20 dBm-		1			· · · · · · · · · · · · · · · · · · ·	. · · · · ·	
			1				
-30 dBm	2	2 2	-	m A		-	
12.20		~		a man 1	L		11
-40 dBm							
-50 dBm	and and				1		
n mon	m				ww	mind	hn.
-60 dBm			_				a d
-70 dBm							
CF 2.48 GHz		1001	pts			Spa	n 8.0 MHz
Spectrum Ref Level 20.00 dBm	Offset 7.07 c	B-DH5 2480M	z		opping l	Emissio	
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100	Offset 7.07 c		z		opping I	Emissio	n (T
Spectrum Ref Level 20.00 dBm Att 30 dB	Offset 7.07 c	dB 🝺 RBW 100 kHz	z 2 Mode /	Auto FFT	opping I	Emissio	H ⊳
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max	Offset 7.07 c	dB 🝺 RBW 100 kHz	2 2 Mode / M	Auto FFT.	opping I	2.479	4.16 dBr 95000 GH
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 P1Pk Max 10 ₁ dBm	Offset 7.07 c	dB 🝺 RBW 100 kHz	2 2 Mode / M	Auto FFT	opping I	2.479	4.16 dBn 95000 GH 55.04 dBn
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max	Offset 7.07 c	dB 🝺 RBW 100 kHz	2 2 Mode / M	Auto FFT.	opping I	2.479	4.16 dBn 95000 GH 55.04 dBn
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10,dBm -10 dBm	Offset 7.07 c SWT 227.5 p	dB 🝺 RBW 100 kHz	2 2 Mode / M	Auto FFT.	opping I	2.479	
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10,dBm 0 dBm	Offset 7.07 c SWT 227.5 p	dB 🝺 RBW 100 kHz	2 2 Mode / M	Auto FFT.		2.479	4.16 dBn 95000 GH 55.04 dBn
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • 1Pk Max 101dBm 0 dBm -10 dBm -20 dBm	Offset 7.07 c SWT 227.5 p	dB 🝺 RBW 100 kHz	2 2 Mode / M	Auto FFT.		2.479	4.16 dBn 95000 GH 55.04 dBn
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm	Offset 7.07 c SWT 227.5 p	dB 🝺 RBW 100 kHz	2 2 Mode / M	Auto FFT.		2.479	4.16 dBn 95000 GH 55.04 dBn
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10,dBm 0 dBm -10 cBm -20 cBm -30 dBm -40 dBm	Offset 7.07 c SWT 227.5 p	dB 🝺 RBW 100 kHz	2 2 Mode / M	Auto FFT.	opping I	2.479	4.16 dBn 95000 GH 55.04 dBn
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Offset 7.07 c SWT 227.5 p	dB • RBW 100 kHz • VBW 300 kHz	2 Mode / M	Auto FFT.		2.479	4,16 dBn 95000 GH 55.04 dBn 50000 GH
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Offset 7.07 c SWT 227.5 p	dB 🝺 RBW 100 kHz	2 Mode / M	Auto FFT.		2.479	4.16 dBn 95000 GH 55.04 dBn
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • 1Pk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	Offset 7.07 c SWT 227.5 p	dB • RBW 100 kHz • VBW 300 kHz	2 Mode / M	Auto FFT.		2.479	4,16 dBn 95000 GH 55.04 dBn 50000 GH
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Offset 7.07 c SWT 227.5 p	dB • RBW 100 kHz • VBW 300 kHz	2 Mode / M	Auto FFT.		2.479	4,16 dBn 95000 GH 55.04 dBn 50000 GH
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • 1Pk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	Offset 7.07 c SWT 227.5 p	dB • RBW 100 kHz • VBW 300 kHz	2 Mode / M M	Auto FFT.		2.479 2.483	4,16 dBn 95000 GH 55.04 dBn 50000 GH
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • 1Pk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.476 GHz Marker	Offset 7.07 c SWT 227.5 p	dB • RBW 100 kHz us • VBW 300 kHz 	2 Mode / M M M	Auto FFT.	molechnary	2.479 2.483 	4,16 dBn 95000 GH 55,04 dBn 56000 GH
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • 1Pk Max 10,dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -50 dBm -70 dBm Start 2.476 GHz Marker Type Ref Trc	Offset 7.07 c SWT 227.5 p	dB • RBW 100 kHz • VBW 300 kHz • VBW 100 kHz • V	2 Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT.	molechnary	2.479 2.483	4,16 dBn 95000 GH 55,04 dBn 56000 GH
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 IPk Max 10,dBm 0 dBm -10 cBm -10 cBm -20 cBm -30 dBm -40 dEm -50 dBm -70 dBm -70 dBm Start 2.476 GHz Marker Type Ref Trc M1 1 M2 1	Offset 7.07 c SWT 227.5 p 7 dBm 7 dBm 7 dBm 7 dBm 8 dBm 7 dBm 8 dBm 8 dBm 8 dBm 9 dBm 8 dB	dB RBW 100 kHz us VBW 300 kHz us VBW 300 kHz us VBW 300 kHz us 1001 12 4.16 dBr 42 -55.04 dBr	2 Mode / M M M M M M M M M M M M M M M M M	Auto FFT.	molechnary	2.479 2.483 	4,16 dBn 95000 GH 55,04 dBn 56000 GH
Spectrum Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 • IPk Max 10,dBm 0 dBm -10 cBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 dBm Start 2.476 GHz Marker Type Ref Trc M1 1	Consect 7,07 c SWT 227.5 p 227.5 p 27.5	dB RBW 100 kHz us VBW 300 kHz VBW 300 kHz 100	2 Mode / M M M M M M M M M M M M M	Auto FFT.	molechnary	2.479 2.483 	4,16 dBn 95000 GH 55,04 dBn 56000 GH





8.8 BAND EDGE(HOPPING)

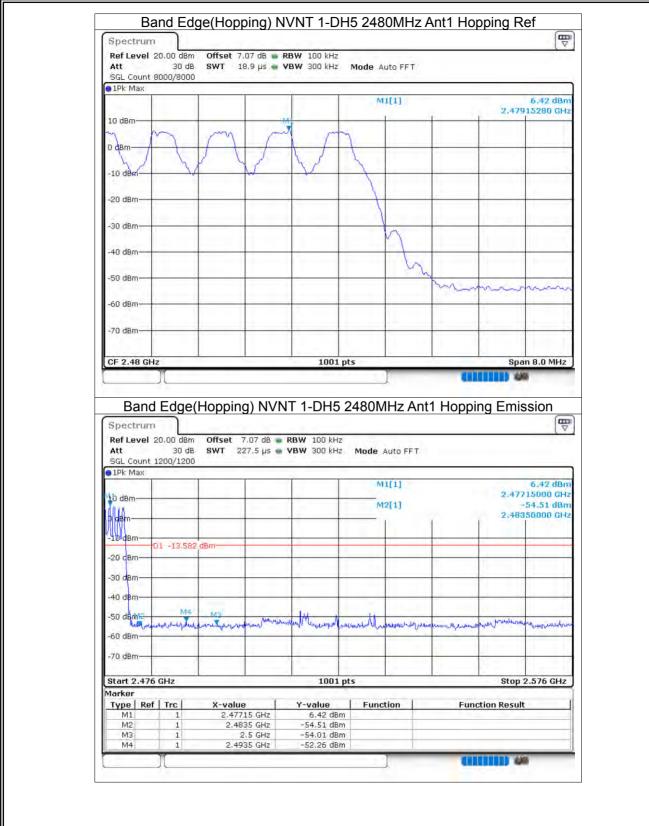
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-58.97	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-58.67	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-56.16	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-57.71	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-56.29	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-57.84	-20	Pass



Spectrum							
Ref Level 3 Att	20.00 dBm 30 dB		 RBW 100 kHz VBW 300 kHz 	Mode Auto FFT			
SGL Count 8	3000/8000		1.2.2.2.2.2.2				
1Pk Max				M1[1]		8.7	5 dBm
				1	Ma	2.404157	
10 dBm			m		m	m	f
0 dBm				LAX			
			1	V V		1	/
-10 dBm	_				-		
-20 dBm							
Loubin							
-30 dBm			N				
10.00							
-40 dBm							
-50 dBm		hi					
m	m	m					
-60 dBm							
-70 dBm							
-70 0611							
CF 2.402 GI			1001	6			MUS
Band	J(Edge	(Hopping) N\	1001 p /NT 1-DH5 2]	t1 Hopping	Span 8.0	
	ת Edge	Offset 7.77 dB	/NT 1-DH5 2]	t1 Hopping	11) 495	on
Band Spectrum Ref Level 2 Att SGL Count :	Edge 20.00 dBm 30 dB	Offset 7.77 dB	/NT 1-DH5 2	2402MHz An	t1 Hopping	11) 495	on
Band Spectrum Ref Level 3 Att	Edge 20.00 dBm 30 dB	Offset 7.77 dB	/NT 1-DH5 2	2402MHz An Mode Auto FFT	t1 Hopping	Emissio	on
Band Spectrum Ref Level 2 Att SGL Count : IPk Max	Edge 20.00 dBm 30 dB	Offset 7.77 dB	/NT 1-DH5 2	2402MHz An Mode Auto FFT. 	t1 Hopping	Emissic 8.7 2.4041500	
Band Spectrum Ref Level 2 Att SGL Count 2 1Pk Max 10 dBm	Edge 20.00 dBm 30 dB	Offset 7.77 dB	/NT 1-DH5 2	2402MHz An Mode Auto FFT	t1 Hopping	Emissic	
Band Spectrum Ref Level 2 Att SGL Count 2 D IPk Max 1D dBm D dBm	Edger 20.00 dBm 30 dB 1200/1200	Offset 7.77 dB SWT 227.5 µs	/NT 1-DH5 2	2402MHz An Mode Auto FFT. 	t1 Hopping	Emissic 8.7 2.4041500 -54.9	
Band Spectrum Ref Level 2 Att SGL Count 3 9 1Pk Max 10 dBm 0 dBm	Edge 20.00 dBm 30 dB	Offset 7.77 dB SWT 227.5 µs	/NT 1-DH5 2	2402MHz An Mode Auto FFT. 	t1 Hopping	Emissic 8.7 2.4041500 -54.9	
Band Spectrum Ref Level 2 Att SGL Count 3 9 1Pk Max 10 dBm 0 dBm	Edger 20.00 dBm 30 dB 1200/1200	Offset 7.77 dB SWT 227.5 µs	/NT 1-DH5 2	2402MHz An Mode Auto FFT. 	t1 Hopping	Emissic 8.7 2.4041500 -54.9	
Band Spectrum Ref Level 3 Att SGL Count 3 SGL Count 3 SGL Count 3 DIPk Max 10 dBm 0 dBm 0 dBm -10 dBm -20 dBm	Edger 20.00 dBm 30 dB 1200/1200	Offset 7.77 dB SWT 227.5 µs	/NT 1-DH5 2	2402MHz An Mode Auto FFT. 	t1 Hopping	Emissic 8.7 2.4041500 -54.9	
Band Spectrum Ref Level 2 Att SGL Count 3 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Edger 20.00 dBm 30 dB 1200/1200	Offset 7.77 dB SWT 227.5 µs	/NT 1-DH5 2	2402MHz An Mode Auto FFT. 	t1 Hopping	Emissic 8.7 2.4041500 -54.9	
Band Spectrum Ref Level 3 Att SGL Count 3 IPK Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Edger 20.00 dBm 30 dB 1200/1200	Offset 7.77 dB SWT 227.5 µs	/NT 1-DH5 2	2402MHz An Mode Auto FFT M1[1] M2[1]		Emissic 8.7 2.4041500 -54.9	
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Band Spectrum Ref Level 2 Att SGL Count 3 9 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Edger 20.00 dBm 30 dB 1200/1200	offset 7.77 dB SWT 227.5 µs	/NT 1-DH5 2	2402MHz An Mode Auto FFT M1[1] M2[1]		8.7 2.4041500 -54.9 2.4000000	
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ACCREDITED

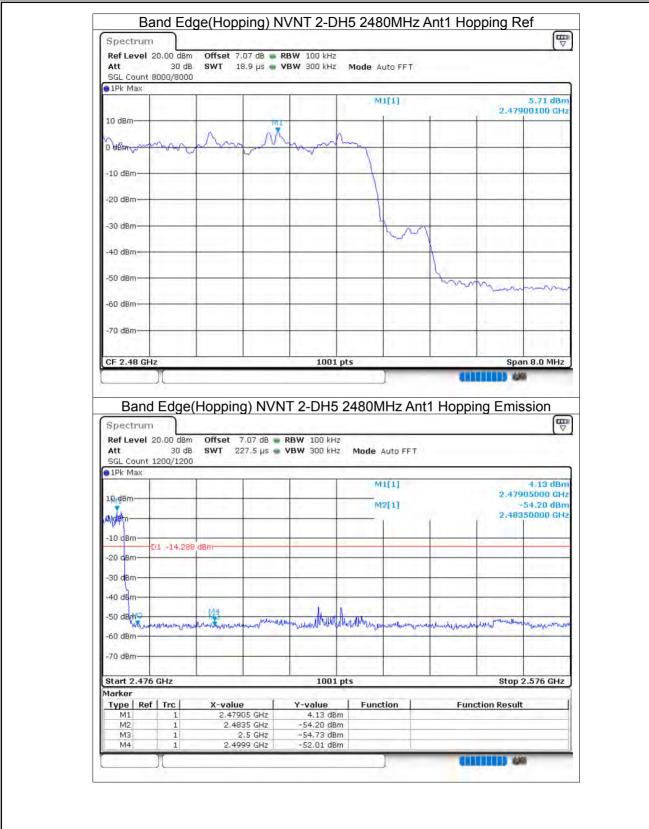






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Product Span 8.0 MHz CF 2.402 GHz 1001 pts Span 8.0 MHz Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission Spectrum Control of the second seco	-50 dBm	main	mont								
-70 dBm Span 8.0 MHz CF 2.402 GHz 1001 pts Span 8.0 MHz Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission Spectrum Spectrum Spectrum Switz 200 Bm Offset 7.07 dB RBW 100 kHz Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz Mode Auto FFT SGL Count 1200/1200 IPk Max M1[1] 4.00 dBm 2.40505000 GHz ID dBm M2[1] 2.40505000 GHz N2[1] 2.40505000 GHz ID dBm D1 -14.192 dBm M4 M4 M4 M4 -50 dBm M4 M4 M4 M4 M4 -60 dBm M4 M4 M4 M4 M4 -70 dBm M4 M4	-60 dBm-	prime in	<u> </u>					<u></u>			
CF 2.402 GHz 1001 pts Span 8.0 MHz Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission Spectrum Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz Att 30 dB SWT 227.5 µS VBW 300 kHz Multiple Multiple <th colspan<="" td=""><td>de dem-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td></th>	<td>de dem-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>	de dem-								1	
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission Spectrum Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz Att 30 dB SWT 227.5 µs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 @ IPk Max M1[1] 4.00 dBm 10 dBm M2[1] 2.4050500 GHz -51.99 dB M2[1] 2.40000000 GH -10 dBm M4 -51.99 dB -20 dBm M4 M4 -30 dBm M4 M4 -50 dBm M4 M4 -50 dBm M4 M4 -70 dBm 100 pts Stop 2.406 GHz Marker Type Ref Trc X-value Y-value M1 1 2.4050 GHz 4.00 dBm M2 1 2.4 GHz -51.98 dBm	-70 dBm-	-				_	-		_		
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission Spectrum Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz Att 30 dB SWT 227.5 µs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 MI[1] 4.00 dBm MI[1] 4.00 dBm 0 dBm MI[1] 4.00 dBm O dBm MI[1] 4.00 dBm -51.99 dB 2.40000000 GH -0 dBm MI[1] 2.40000000 GH -0 dBm MI[1] 2.40000000 GH -0 dBm MI[1] 2.40000000 GH -0 dBm MI MI -0 dBm						12.21				PHE 1	
Spectrum Triangle for the second	CF 2.402	GHz	-		1001	pts			Spa	n 8.0 MHz	
MI[1] 4.00 dBr 10 dBm 2.40505000 GH 0 dBm -51.98 dB -10 dBm 2.40000000 GH -10 dBm -2.40000000 GH -20 dBm -2.40000000 GH -30 dBm -40 dBm -50 dBm -40 dBm -70 dBm -70 dBm Start 2.306 GHz 1001 pts Stop 2.406 GHz Type Ref Trc X-value Y-value Function Function Result M1 1 2.40205 GHz -51.98 dBm -51.98 dBm -51.98 dBm M3 1 2.39 GHz -55.35 dBm -55.35 dBm -55.35 dBm	Spectrui Ref Level	m 1 20.00 dBm	Offset 7	7.07 dB 🐞	RBW 100 kHz			1 Hoppii	ng Emis		
10 dBm M2[1] -51.98 dB 0 dBm 2.4000000000000000000000000000000000000	Spectrui Ref Level Att SGL Coun	m I 20.00 dBm 30 dB	Offset 7	7.07 dB 🐞	RBW 100 kHz			1 Hoppin	ng Emis		
0 dBm 2.4000000000000000000000000000000000000	Spectrui Ref Level Att SGL Coun	m I 20.00 dBm 30 dB	Offset 7	7.07 dB 🐞	RBW 100 kHz	: Mode 4	Auto FFT	1 Hoppii	ng Emis	T T	
-10 dBm -11 - 14.192 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -40 dBm -50 dBm -40 dBm -50 dBm -40 dBm -10 dBm -51 dBm -10 dBm -51 dBm -10 dBm -51 dBm -10 dBm -51 dBm	Spectrui Ref Level Att SGL Coun 1Pk Max	m I 20.00 dBm 30 dB	Offset 7	7.07 dB 🐞	RBW 100 kHz	Mode /	Auto FFT	1 Hoppin	2.405	4.00 dBi	
D1 -14.192 dBm Mail -20 dBm -30 dBm -30 dBm -30 dBm -40 dBm -40 dBm -50 dBm -50 dBm -70 dBm -40 dBm -70 dBm -400 dBm -70 dBm -400 dBm -70 dBm -400 dBm -70 dBm -400 dBm M1 1 -70 dBm -400 dBm M2 1 2.40505 GHz -50.90	Spectrui Ref Level Att SGL Coun 1Pk Max	m I 20.00 dBm 30 dB	Offset 7	7.07 dB 🐞	RBW 100 kHz	Mode /	Auto FFT	1 Hoppin	2.405	4.00 dBi 05000 GF	
-30 dBm M4 M4 -40 dBm M4 M8 -50 dBm M4 M8 -60 dBm M8 M8 -70 dBm 1001 pts Stop 2.406 GHz Start 2.306 GHz 1001 pts Stop 2.406 GHz Marker 1 2.40505 GHz 4.00 dBm M1 1 2.40505 GHz 4.00 dBm M2 1 2.4 GHz -51.98 dBm M3 1 2.39 GHz -55.35 dBm	Spectrui Ref Level Att SGL Coun 1Pk Max 1D dBm- 0 dBm-	m I 20.00 dBm 30 dB	Offset 7	7.07 dB 🐞	RBW 100 kHz	Mode /	Auto FFT	1 Hoppin	2.405	4.00 dBi 05000 GF	
How dBm M4 M4 M8 -50 dBm M4 M8 M8 -60 dBm -60 dBm M3 M3 M3 M3 M4 M8 M1 1 2.40505 GHz 4.00 dBm M8	Spectrum Ref Level Att SGL Coun 1Pk Max 1D dBm- 0 dBm- -10 dBm-	n 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 23	7.07 dB 🐞	RBW 100 kHz	Mode /	Auto FFT	1 Hoppin	2.405	4.00 dBi 05000 GF	
M4 M2 M2 -50 dBm -50 dBm -50 dBm -60 dBm -60 dBm -50 dBm -70 dBm -50 dBm -50 dBm M1 1 2.40505 GHz 4.00 dBm M2 1 2.4 GHz -51.98 dBm M3 1 2.39 GHz -55.35 dBm	Spectrum Ref Level Att SGL Coun 1Pk Max 1D dBm- 0 dBm- -10 dBm-	n 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 23	7.07 dB 🐞	RBW 100 kHz	Mode /	Auto FFT	1 Hoppin	2.405	4.00 dBi 05000 GF	
Start 2.306 GHz 1001 pts Stop 2.406 GHz Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.40505 GHz 4.00 dBm Function Function Result M3 1 2.39 GHz -55.35 dBm Function Function Result	Spectrum Ref Level Att SGL Coun 1Pk Max 1D dBm- 0 dBm- -10 dBm- -20 dBm-	n 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 23	7.07 dB 🐞	RBW 100 kHz	Mode /	Auto FFT	1 Hoppin	2.405	4.00 dBi 05000 GF	
Automace	Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm- -10 dBm- -20 dBm- -30 dBm-	n 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 23	7.07 dB 🐞	RBW 100 kHz	Mode /	Auto FFT	1 Hoppin	2.405	4.00 dBi 05000 GF	
Type Ref Trc X-value Y-value Function Function Result M1 1 2.40505 GHz 4.00 dBm	Spectrum Ref Level Att SGL Coun 1D dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	n 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 23	7.07 dB 27.5 µs	RBW 100 kHz	Mode /	Auto FFT.	1 Hoppin	2.405	4.00 dBi 05000 CH 51.98 dBi 000000 (H)	
Start 2.306 GHz 1001 pts Stop 2.406 GHz Marker Type Ref Trc X-value Function Function Result M1 1 2.40505 GHz 4.00 dBm 4.00 dBm 4.00 dBm M2 1 2.4 GHz -51.98 dBm 51.98 dBm 51.98 dBm M3 1 2.39 GHz -55.35 dBm 55.35 dBm 55.35 dBm	Spectrum Ref Level Att SGL Coun 10 dBm	n 30 dB 1 200/0 dBm 30 dB 1 1200/1200	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz	Mode /	Auto FFT.		2.405 2.400	4.00 dBi 05000 CH 51.98 dBi 000000 (H)	
Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.40505 GHz 4.00 dBm <td>Spectrum Ref Level Att SGL Coun 10 dBm</td> <td>n 30 dB 1 200/0 dBm 30 dB 1 1200/1200</td> <td>Offset 7 SWT 22</td> <td>7.07 dB 27.5 µs</td> <td>RBW 100 kHz</td> <td>Mode /</td> <td>Auto FFT.</td> <td></td> <td>2.405 2.400</td> <td>4.00 dBi 05000 CH 51.98 dBi 000000 (H)</td>	Spectrum Ref Level Att SGL Coun 10 dBm	n 30 dB 1 200/0 dBm 30 dB 1 1200/1200	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz	Mode /	Auto FFT.		2.405 2.400	4.00 dBi 05000 CH 51.98 dBi 000000 (H)	
Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.40505 GHz 4.00 dBm <td>Spectrum Ref Level Att SGL Coun 10 dBm</td> <td>n 30 dB 1 200/0 dBm 30 dB 1 1200/1200</td> <td>Offset 7 SWT 22</td> <td>7.07 dB 27.5 µs</td> <td>RBW 100 kHz</td> <td>Mode /</td> <td>Auto FFT.</td> <td></td> <td>2.405 2.400</td> <td>4.00 dBi 05000 CH 51.98 dBi 000000 (H)</td>	Spectrum Ref Level Att SGL Coun 10 dBm	n 30 dB 1 200/0 dBm 30 dB 1 1200/1200	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz	Mode /	Auto FFT.		2.405 2.400	4.00 dBi 05000 CH 51.98 dBi 000000 (H)	
M1 1 2.40505 GHz 4.00 dBm M2 1 2.4 GHz -51.98 dBm M3 1 2.39 GHz -55.35 dBm	Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm	T 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz	Mode /	Auto FFT.		2.405 2.400	4.00 dBi 05000 CH 51.98 dBi 000000 (H) NP	
M2 1 2.4 GHz ~51.98 dBm M3 1 2.39 GHz ~55.35 dBm	Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm	T 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	7.07 dB 27.5 µs	RBW 100 kHz	Mode /	Auto FFT.		2.405 2.400	4.00 dBi 05000 CH 51.98 dBi 000000 (H) NP	
	Spectrum Ref Level Att SGL Coun 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dB	n 20.00 dBm 30 dB 1200/1200 01 -14,192	Offset 7 SWT 22 dBm	7.07 dB 77.5 µs М4 мицибание	RBW 100 kHz YBW 300 kHz	Mode /	Auto FFT. 1[1] 2[1]	www.www	2.405 2.400	4.00 dBi 05000 CH 51.98 dBi 00000 CH 100000 CH 10000 CH 1	
	Spectrui Ref Level Att SGL Coun • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 2.30 Marker Type M2	n 20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22	м4 м4 учиц ²⁰ жили 25 GHz .4 GHz	RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz	Mode / M M M M M M M	Auto FFT. 1[1] 2[1]	www.www	2.405 2.400	4.00 dBi 05000 CH 51.98 dBi 00000 CH 100000 CH 10000 CH 1	
	Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm - 10 dBm - 20 dBm - 20 dBm - 30 dBm - 30 dBm - 40 dBm - 50 dBm - 70 dBm -	n 20.00 dBm 30 dB 1200/1200	Offset 7 SWT 22 dBm dBm X-value 2.405 2 2.	M4 мени В GHZ M4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 мени М4 Мани М4 Мани М4 Мани М4 Мани М4 Мани М4 Мани Мани Мани Мани Мани Мани Мани Мани	RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz	mode / M m m pts <u>Funct</u> n n	Auto FFT.	www.www	2.405 2.400	4.00 dBi 05000 CH 51.98 dBi 00000 CH 100000 CH 10000 CH 1	



Att	30 di								
SGL Count	8000/800								-
		1			MI	[1]		1.000	5.17 dB
10 dBm	-					1	· · · · ·	2.47	705090 GH
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0 VIBID	~ Mag	pmp	- An	mont	Linga				
-10 dBm-		-	-	-					-
52 M					1				
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-70 dBm-							-		
					1.1.1.1				
CF 2.48 GH	7	4		1001 p	its			Sn	an 8.0 MHz
Banc Spectrum Ref Level	20.00 dBn		07 dB 🖷	RBW 100 kHz			1 Hoppir	ng Emi	ssion
Spectrum Ref Level Att SGL Count	20.00 dBn 30 dB	n Offset 7.0 8 SWT 227	07 dB 🖷				1 Hoppir	ng Emi	
Spectrum Ref Level Att	20.00 dBn 30 dB	n Offset 7.0 8 SWT 227	07 dB 🖷	RBW 100 kHz		uto FFT.	1 Hoppir		4.39 dBi
Spectrum Ref Level Att SGL Count	20.00 dBn 30 dB	n Offset 7.0 8 SWT 227	07 dB 🖷	RBW 100 kHz	Mode Au	uto FFT.	1 Hoppin	2.47	4.39 dBi 905000 GH
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBn 30 dB	n Offset 7.0 8 SWT 227	07 dB 🖷	RBW 100 kHz	Mode At	uto FFT.	1 Hoppir	2.47	4.39 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 18rdBm	20.00 dBn 30 dB	n Offset 7.0 8 SWT 227	07 dB 🖷	RBW 100 kHz	Mode Au	uto FFT.	1 Hoppir	2.47	4.39 dBi 905000 GH -55.09 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 1Pk Max 1RidBm -10 dBm	20.00 dBn 30 dB	n Offset 7.0 3 SWT 227 0	07 dB 🖷	RBW 100 kHz	Mode Au	uto FFT.	1 Hoppir	2.47	4.39 dBi 905000 GH -55.09 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 18,dBm , Bm -10 cBm	20.00 dBn 30 dE 1200/1200	n Offset 7.0 3 SWT 227 0	07 dB 🖷	RBW 100 kHz	Mode Au	uto FFT.	1 Hoppir	2.47	4.39 dBi 905000 GH -55.09 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 1Pk Max 1RidBm -10 dBm	20.00 dBn 30 dE 1200/1200	n Offset 7.0 3 SWT 227 0	07 dB 🖷	RBW 100 kHz	Mode Au	uto FFT.	1 Hoppir	2.47	4.39 dBi 905000 GH -55.09 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 1RidBm -1D cBm -20 qBm -30 qBm	20.00 dBn 30 dE 1200/1200	n Offset 7.0 3 SWT 227 0	07 dB 🖷	RBW 100 kHz	Mode Au	uto FFT.	1 Hoppir	2.47	4.39 dBi 905000 GH -55.09 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 1RhdBm -10 cBm -20 aBm -30 dBm -40 dBm	20.00 dBn 30 dE 1200/1200	n Offset 7.0 3 SWT 227 0 5 dBm	07 dB 🖷	RBW 100 kHz	Mode Au	uto FFT.		2.47 2.48	4,39 dB/ 905000 GH -55.09 dB/ 350000 GH
Spectrum Ref Level Att SGL Count 1Pk Max 1RidBm -1D cBm -20 qBm -30 qBm	20.00 dBm 30 df 1200/1200	M Offset 7.0 3 SWT 227 0 5 dBm	07 dB 🖷	RBW 100 kHz YBW 300 kHz	Mode Au	uto FFT.		2.47 2.48	4,39 dB/ 905000 GH -55.09 dB/ 350000 GH
Spectrum Ref Level Att SGL Count 1Pk Max 1RhdBm -10 cBm -20 aBm -30 dBm -40 dBm	20.00 dBn 30 df 1200/1200 01 -14.82	n Offset 7.0 3 SWT 227 0 5 dBm	07 dΒ	RBW 100 kHz YBW 300 kHz	Mode Au	(1)	1 Hoppin	2.47 2.48	4,39 dB/ 905000 GH -55.09 dB/ 350000 GH
Spectrum Ref Level Att SGL Count 1Pk Max 1BrdBm -10 cBm -20 aBm -30 dBm -40 dBm -50 dBm	20.00 dBn 30 df 1200/1200 01 -14.82	n Offset 7.0 3 SWT 227 0 5 dBm	07 dΒ	RBW 100 kHz YBW 300 kHz	Mode Au	(1)		2.47 2.48	4,39 dB/ 905000 GH -55.09 dB/ 350000 GH
Spectrum Ref Level Att SGL Count 1Pk Max 1BrdBm -10 cBm -20 aBm -30 dBm -30 dBm -50 dBm -70 dBm	20.00 dBm 30 df 1200/1200 01 -14.82 01 -14.82	n Offset 7.0 3 SWT 227 0 5 dBm	07 dΒ	RBW 100 kHz	Mode Au	(1)		2.47 2.48	4.39 dBi 905000 GH -55.09 dBi 350000 GH
Spectrum Ref Level Att SGL Count 1Pk Max 1Pk Max 1Pk Max 1Pk Max -10 cBm -20 aBm -20 aBm -30 dBm -50 dBm -70 dBm -70 dBm Start 2.476	20.00 dBm 30 df 1200/1200 01 -14.82 01 -14.82	n Offset 7.0 3 SWT 227 0 5 dBm	07 dΒ	RBW 100 kHz YBW 300 kHz	Mode Au	(1)		2.47 2.48	4,39 dB/ 905000 GH -55.09 dB/ 350000 GH
Spectrum Ref Level Att SGL Count 19k Max 19k Max 19k Bm -10 cBm -20 qBm -20 qBm -30 dBm -50 dBm -70 dBm -70 dBm Start 2.476 Marker	20.00 dBn 30 df 1200/1200 01 -14.82 01 -14.82 M4 whatmining GHz	M Offset 7.0 B SWT 227 D S dBm MB MB	07 dΒ	RBW 100 kHz	Mode Au	uto FFT [1] [1]		2.47 2.48 سندر ^{میرطرانی} ه Stop	4.39 dBi 905000 GH -55.09 dBi 356000 GH
Spectrum Ref Level Att SGL Count IR/BRM IR/BRM -10 cBm -20 cBm -20 cBm -20 cBm -30 cBm -30 cBm -40 cBm -50 cBm -50 cBm -70 cBm	20.00 dBn 30 df 1200/1200 01 -14.82 01 -14.82 01 -14.82 01 -14.82 01 -14.82 01 -14.82 01 -14.82	A Offset 7.0 3 SWT 227 0 5 dBm 5 dBm M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	07 dB .5 µs	RBW 100 kHz YBW 300 kHz 	Mode At	uto FFT [1] [1]		2.47 2.48	4.39 dBi 905000 GH -55.09 dBi 356000 GH
Spectrum Ref Level Att SGL Count IR/Max IR/MBM -10 cBm -20 aBm -20 aBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm Start 2.476 Marker Type Ref M1 M2	20.00 dBn 30 df 1200/1200 01 -14.82 01 -14.82 M4 white white for for for for for for for for for for	n Offset 7.0 3 SWT 227 0 5 dBm 5 dBm	07 dB .5 μs .5 5 GHz 5 GHz	RBW 100 kHz YBW 300 kHz 	Mode Au M1	uto FFT [1] [1]		2.47 2.48 سندر ^{میرطرانی} ه Stop	4.39 dBi 905000 GH -55.09 dBi 356000 GH
Spectrum Ref Level Att SGL Count IR/BRM IR/BRM -10 cBm -20 cBm -20 cBm -20 cBm -30 cBm -30 cBm -40 cBm -50 cBm -50 cBm -70 cBm	20.00 dBn 30 df 1200/1200 01 -14.82 01 -14.82 01 -14.82 01 -14.82 01 -14.82 01 -14.82 01 -14.82	n Offset 7.0 3 SWT 227 0 5 dBm 5 dBm	07 dB 5 μs 	RBW 100 kHz YBW 300 kHz 	Mode Au M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto FFT [1] [1]		2.47 2.48 سندر ^{میرطرانی} ه Stop	4.39 dBi 905000 GH -55.09 dBi 356000 GH
Spectrum Ref Level Att SGL Count 1Pk Max 18/dBm -10 cBm -20 qBm -20 qBm -30 dBm -30 dBm -50 dBm -70 dB	20.00 dBn 30 df 1200/1200 01 -14.82 01 -14.82 M4 whatm,	AB AC-value 2.47905 2.4835 2.5	07 dB 5 μs 	RBW 100 kHz YBW 300 kHz	Mode Au M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto FFT [1] [1]	Func	2.47 2.48 سندر ^{میرطرانی} ه Stop	4.39 dBi 905000 GH -55.09 dBi 356000 GH





8.9 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.26	-20	Pass
NVNT	1-DH5	2441	Ant1	-53.64	-20	Pass
NVNT	1-DH5	2480	Ant1	-53.01	-20	Pass
NVNT	2-DH5	2402	Ant1	-49.89	-20	Pass
NVNT	2-DH5	2441	Ant1	-52.12	-20	Pass
NVNT	2-DH5	2480	Ant1	-51.7	-20	Pass
NVNT	3-DH5	2402	Ant1	-50.67	-20	Pass
NVNT	3-DH5	2441	Ant1	-52.04	-20	Pass
NVNT	3-DH5	2480	Ant1	-51.97	-20	Pass



Spectru	m									
Ref Lev	el 20.0				RBW 100 kHz	N	1.1			
Att SGL Cou			SWT	18.9 µs 🎍	VBW 300 kHz	Mode Auto	FFT.			
1Pk Max									7	
						M1[1]				8,11 dBm
10 dBm-					MI		-	2	.401998	8500 GHz
10 0.011				1		-	1.71			
0 dBm	-	-								
		1						~		
-10 dBm-									1	
-20 dBm-		_			1					
ZUGDI										
-30 dBm-	-	-	_		1					
-40 dBm-	-									
-50 dBm-										
So upm-										
-60 dBm-	-	_	_					-		
-70 dBm-										
									- 11	
					and the second second second second					
		Tx.	Spurio	us NV	30001 NT 1-DH5		z Ant1 E	missior		1.5 MHz
Spectru Ref Lev		(i.e.	Offset	7.77 dB 🖷		2402MHz	_	mission		
Att SGL Cou) dBm	Offset	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz	_	mission		
Spectru Ref Lev Att SGL Cou) dBm	Offset	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto	_	mission	n	
Spectru Ref Lev Att SGL Cou 1Pk Max) dBm	Offset	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40	(♥) 7.11 dBm 2070 GHz
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm) dBm	Offset	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto	Sweep	mission	2.40 -4	
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40 -4	(♥) 7.11 dBm 2070 GHz
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40 -4	
Spectru Ref Lev Att SGL Cou IPk Max 10 dBm 0 dBm -10 dBm-	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40 -4	
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm 0 dBm -10 dBm-	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40 -4	
Spectru Ref Lev SGL Cou 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm-	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 265 ms	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep		2.40 -4	
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm-	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 🖷	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40 -4	
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 265 ms	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40 -4	
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 265 ms	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40 -4	
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- 50 dBm-	um vel 20.00) dBm 30 dB	Offset SWT	7.77 dB 265 ms	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto 	Sweep	mission	2.40 -4	
Spectru Ref Lev Att SGL Cou 1Pk Max 1Pk Max 0 dBm- - 0 dBm- - 20 dBm- - - 30 dBm- - - 30 dBm- - - 30 dBm- - - 50 dBm- - - 70 dBm-	Im vel 20.00 ht 10/10) dBm 30 dB	Offset SWT	7.77 dB 265 ms	NT 1-DH5	2402MHz Mode Auto M1[1] M2[1]	Sweep	mission	2.40 -4 15.88	7.11 dBm 2070 GHz 6.16 dBm 8177 GHz
Spectru Ref Lev Att SGL Cou 1Pk Max 10 dBm 0 dBm 	Im vel 20.00 ht 10/10) dBm 30 dB	Offset SWT	7.77 dB 265 ms	NT 1-DH5 RBW 100 kHz	2402MHz Mode Auto M1[1] M2[1]	Sweep	mission	2.40 -4 15.88	
Spectru Ref Lev SGL Could IPK Max ID dBm- 0 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- -50 dBm- 50 dBm	Im rel 20.00 nt 10/10 11 01 -1 0 MHz Ref Trc	0 dBm 30 dB 0 dB	Offset SwT dBm M4	7.77 dB 265 ms M5	NT 1-DH5 RBW 100 kHz VBW 300 kHz 	2402MHz Mode Auto M1[1] M2[1] M2[1] M2[1] M2[1] M2[1]	Sweep	Function	2.40 -4 15.88	7.11 dBm 2070 GHz 6.16 dBm 8177 GHz
Spectru Ref Lex SGL Cou 1PK Max 1PK Max 10 dBm 	Im vel 20.00 nt 10/10 101 -1 01 -1 0.0 MHz Ref Trc	0 dBm 30 dB	Offset SwT dBm M4 M4 X-value 2.402	7.77 dB 265 ms M5 7.77 dB 265 ms 9 07 GHz	NT 1-DH5 RBW 100 kHz VBW 300 kHz VBW 300 kHz A 100	2402MHz Mode Auto M1[1] M2[1] M2[1] pts	Sweep		2.40 -4 15.88	7.11 dBm 2070 GHz 6.16 dBm 8177 GHz
Spectru Ref Lev SGL Cou 1Pk Max 10 dBm 	.0 MHz	0 dBm 30 dB (.890 d (.890 d (Offset SWT	7.77 dB 265 ms M5 4.12 9 07 GHz 77 GHz 77 GHz 89 GHz	NT 1-DH5 RBW 100 kHz YBW 300 kHz	2402MHz Mode Auto M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[Sweep		2.40 -4 15.88	7.11 dBm 2070 GHz 6.16 dBm 8177 GHz
Spectru Ref Lev SGL Cou 1Pk Max 10 dBm 0 dBm 	101 -1	M3	Offset SwT dBm M4 X-value 2.402 15.8881 4.994 7.0110	7.77 dB 265 ms M5 7.76Hz 77 GHz	NT 1-DH5 RBW 100 kHz YBW 300 kHz	2402MHz Mode Auto M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1]	Sweep		2.40 -4 15.88	7.11 dBm 2070 GHz 6.16 dBm 8177 GHz

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