

RADIO TEST REPORT FCC ID: 2A3VP-Q41

Certificate #4298.0

 Product:
 Wireless Gaming Controller

 Trade Mark:
 ShanWan

 Model No.:
 Q41

 Q41P, Q41W, Q41A, Q41X, Q41S, Q42, Q42S, Q42SP, Q42A, Q43, Q42, Q42S, Q42SP, Q42A, Q43, Q42, Q42S, Q43A, Q45, P01, P02, P03, P04, P05, P06, P07, P08, P09, P10

 Family Model:
 Q44, Q43S, Q43A, Q45, P01, P02, P03, P04, P05, P06, P07, P08, P09, P10

 Report No.:
 S23041201205001

 Issue Date:
 Jun 06, 2023

Prepared for

ShenZhen ShanWan Technology Co., Ltd

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Prepared by

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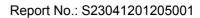


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1 TEST RESULT CERTIFICATION

	Г
Applicant's name:	ShenZhen ShanWan Technology Co., Ltd
Address	5 / F, building 33, chentian Industrial Zone, chentian community, Xixiang street, Bao'an District, Shenzhen, Guangdong China
Manufacturer's Name:	ShenZhen ShanWan Technology Co., Ltd
Address	5 / F, building 33, chentian Industrial Zone, chentian community, Xixiang street, Bao'an District, Shenzhen, Guangdong China
Product description	
Product name:	Wireless Gaming Controller
Model and/or type reference:	Q41
Family Model:	Q41P, Q41W, Q41A, Q41X, Q41S, Q42, Q42S, Q42SP, Q42A, Q43, Q44, Q43S, Q43A, Q45, P01, P02, P03, P04, P05, P06, P07, P08, P09, P10
TestSample Number	S230412012001

Measurement Procedure Used:

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

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

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

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

Date of Test	:	Apr 12, 2023 ~ Jun 06, 2023	
Testing Engineer	:	know . Hu	
		(Mary Hu)	
Authorized Signatory	:	Ades	
		(Alex Li)	





2 SUMMARY OF TEST RESULTS

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

Remark:

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

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





3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

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

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

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

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

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

3.3 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power, conducted, PSD	±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
10	Occupied bandwidth	±4.7%





4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification		
Equipment	Wireless Gaming Controller	
Trade Mark	ShanWan	
FCC ID	2A3VP-Q41	
Model No.	Q41	
Family Model	Q41P, Q41W, Q41A, Q41X, Q41S, Q42, Q42S, Q42SP, Q42A, Q43, Q44, Q43S, Q43A, Q45, P01, P02, P03, P04, P05, P06, P07, P08, P09, P10	
Model Difference	All the model are the same circuit and RF module, except the model name.	
Operating Frequency	2402MHz~2480MHz	
Modulation	GFSK, π/4-DQPSK, 8-DPSK	
Number of Channels	79 Channels	
Antenna Type	PCB Antenna	
Antenna Gain	2.88 dBi	
Power supply	DC 3.7V,600mAh from battery or DC 5V from Type-C Port.	
Adapter	N/A	
Hardware version:	N/A	
Software version:	N/A	

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





Revision History

Report No.	Version	Description	Issued Date
S23041201205001	Rev.01	Initial issue of report	Jun 06, 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	Mode 1 normal link mode			
Nate: AC new and line. Can durate d. Enginetian was to start ad under manifester, autout new an				

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

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

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

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

transmitting mode.



ACCREDITED Certificate #4298.01

	EQUIPMENT UND RAM CONFIGURATIO Emission Mode		STEM			
EUT	C-2 AE-2 Notebook	C-1 AE		PLUG		
For Radiated Test (Cases					
	EUT					
Ear Conducted Too	t Casas					
For Conducted Tes						
Instrument						
and this temporary	prary antenna connector antenna connector is li n battery-powered, the	sted in the equip	oment list.	d in order to p	perform conducted te	sts





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	N/A	N/A	Peripherals
AE-2	Notebook	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	Power Cable	YES	YES	1.0m
C-2	Data Cable	YES	NO	60 cm
C-3	RF Cable	YES	NO	0.1m

Notes:

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





6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2023.03.27	2024.03.26	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2022.06.17	2023.06.16	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2023.03.27	2024.03.26	1 year
4	Test Receiver	R&S	ESPI7	101318	2023.03.27	2024.03.26	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2023.03.27	2024.03.26	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11 2023.05.06	2023.05.10 2026.05.05	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2023.03.27	2024.03.26	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2022.11.08	2023.11.07	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	2022.11.08	2023.11.07	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2022.11.08	2023.11.07	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2020.05.11 2023.05.06	2023.05.10 2026.05.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2020.05.11 2023.05.06	2023.05.10 2026.05.05	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	2022.11.08	2023.11.07	1 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 Conduction Test equipment

	AC Conduction test equipment								
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period		
1	Test Receiver	R&S	ESCI	101160	2023.03.27	2024.03.26	1 year		
2	LISN	R&S	ENV216	101313	2023.03.27	2024.03.26	1 year		
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2023.03.27	2024.03.26	1 year		
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11 2023.05.06	2023.05.10 2026.05.05	3 year		
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11 2023.05.06	2023.05.10 2026.05.05	3 year		
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11 2023.05.06	2023.05.10 2026.05.05	3 year		
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11 2023.05.06	2023.05.10 2026.05.05	3 year		

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





7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

7.1.2 Conformance Limit

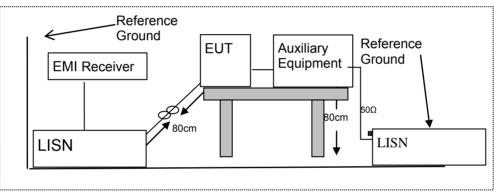
	Conducted Emission Limit				
Frequency(MHz)	Quasi-peak	Average			
0.15-0.5	66-56*	56-46*			
0.5-5.0	56	46			
5.0-30.0	60	50			

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

2. The lower limit shall apply at the transition frequencies

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

7.1.3 Test Configuration



7.1.4 Test Procedure

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

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

7.1.5 Test Results

Pass





7.1.6 Test Results

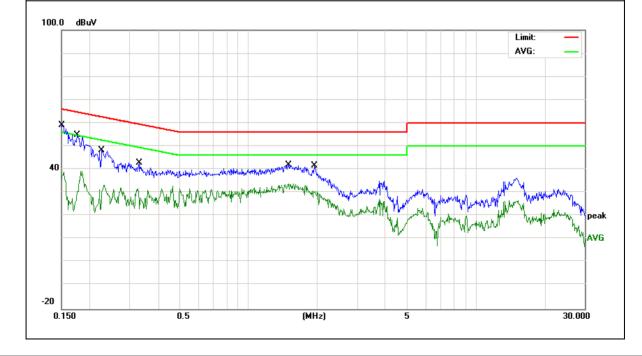
EUT:	Wireless Gaming Controller	Model Name :	Q41
Temperature:	22.1℃	Relative Humidity:	53%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demende
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1507	49.32	9.63	58.95	65.96	-7.01	QP
0.1507	29.29	9.63	38.92	55.96	-17.04	AVG
0.1766	44.77	9.63	54.40	64.64	-10.24	QP
0.1766	29.72	9.63	39.35	54.64	-15.29	AVG
0.2260	38.68	9.64	48.32	62.59	-14.27	QP
0.2260	23.76	9.64	33.40	52.59	-19.19	AVG
0.3320	31.56	9.64	41.20	59.40	-18.20	QP
0.3320	22.02	9.64	31.66	49.40	-17.74	AVG
1.4979	32.24	9.66	41.90	56.00	-14.10	QP
1.4979	24.29	9.66	33.95	46.00	-12.05	AVG
1.9457	31.86	9.66	41.52	56.00	-14.48	QP
1.9457	21.18	9.66	30.84	46.00	-15.16	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.



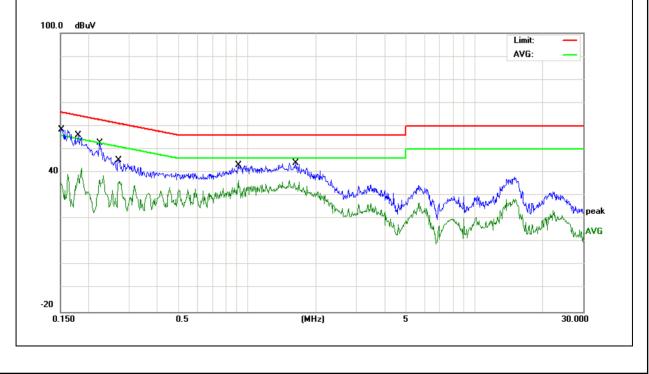


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EUT:		Wireless Gaming Controller			Model Name :		Q41	
Temperature:		22.1 ℃			Relative Humid	lity:	53%	
Pressure:		1010hPa			Phase :		Ν	
Test Voltage :		DC 5V fro	om Adapter AC	120V/60Hz	Test Mode:		Mode 2	1
Frequency	Read	ling Level	Correct Factor	Measure-ment	Limits	Ma	rgin	Remark
(MHz)	(0	dBμV)	(dB)	(dBµV)	(dBµV)	(0	IB)	Remark
0.1516	4	18.77	9.63	58.40	65.91	-7	.51	QP
0.1516	2	29.70	9.63	39.33	55.91	-16	6.58	AVG
0.1796	4	16.47	9.63	56.10	64.50	-8	.40	QP
0.1796		32.37	9.63	42.00	54.50	-12	2.50	AVG
0.2230	4	13.26	9.64	52.90	62.70	-9	.80	QP
0.2230	2	28.96	9.64	38.60	52.70	-14	1.10	AVG
0.2700	3	35.76	9.64	45.40	61.12	-15	5.72	QP
0.2740	2	26.73	9.64	36.37	50.99	-14	1.62	AVG
0.9100	3	33.64	9.66	43.30	56.00	-12	2.70	QP
0.9100	2	26.79	9.66	36.45	46.00	-9	.55	AVG
1.6338	3	34.45	9.66	44.11	56.00	-11	.89	QP
1.6338	2	26.21	9.66	35.87	46.00	-10).13	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

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.

Restric Frequency		d 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 2	24000/F(KHz)	20 log (uV/m)	30
1.705~3	30.0	30	29.5	30
30-8	8	100	40	3
88-21	6	150	43.5	3
216-9	60	200	46	3
Above	960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

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

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

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

3. For Frequency 9kHz~30MHz:

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

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

For Frequency above 30MHz:

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

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



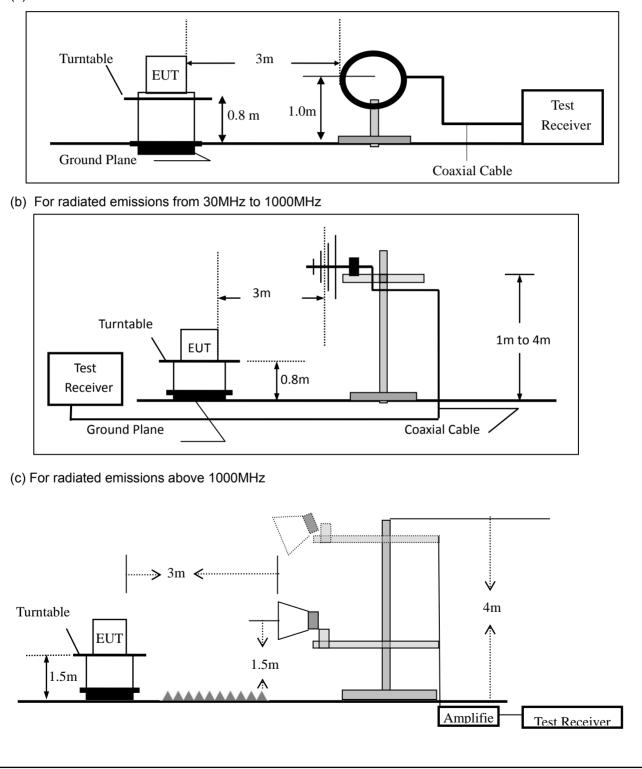


7.2.3 Measuring Instruments

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

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz







7.2.5 Test Procedure

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

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

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

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

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

Note:

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



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

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

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

7.2.6 Test Results

Spurious Emission below 30MHz (9KHz to 30MHz)							
EUT:	Wireless Gaming Controller	Model No.:	Q41				

.

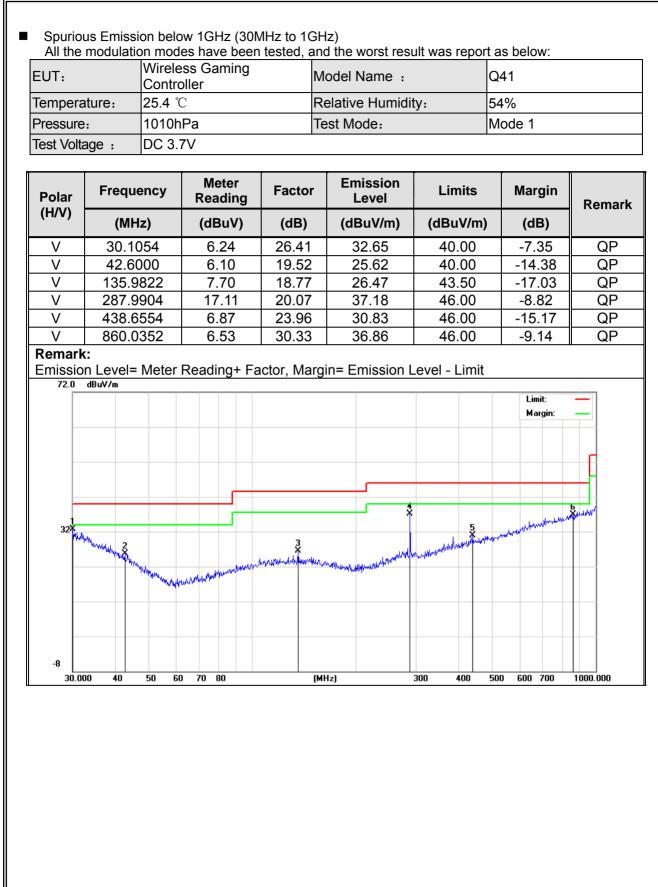
LOT.	wireless Garning Controller		ודט
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

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

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











Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark	
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		
Н	51.6616	6.02	14.48	20.50	40.00	-19.50	QP	
Н	82.0706	7.95	15.67	23.62	40.00	-16.38	QP	
Н	128.5630	5.97	18.84	24.81	43.50	-18.69	QP	
Н	191.7450	12.59	16.44	29.03	43.50	-14.47	QP	
Н	287.9904	19.21	20.07	39.28	46.00	-6.72	QP	
Н	383.9318	17.62	22.87	40.49	46.00	-5.51	QP	
_						Limit: Margin:		
					6			
32 <mark>W_{Ry}</mark>	Marchender and Martin Rectance	Rectification of the second	Juran Samarana	- MAR and provide the second and a second second	Weberman warden den er	and an and the second second		
-8	00 40 50 66) 70 80	(MI		300 400 500	0 600 700	1000.000	





UT	-	Wirel Conti	ess Gami oller	ing	Model	No.:		Q41			
Tem	perature:	20 ℃	ີ່ 🗘 🕄			Relative Humidity: 48%			dity: 48%		
Test	: Mode:	Mode	e2/Mode3	/Mode4	Test B	sy:		Mar	y Hu		
All th	ne modulat	ion modes	s have be	en tested,	and the	worst resu	lt was	repo	ort as belo	ow:	•
	Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Lim	nits	Margin	Remark	Comment
	(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	V/m)	(dB)		
				Low Chan	nel (2402 N	/Hz)(GFSK)-	-Above	1G			
	4804.29	67.66	5.21	35.59	44.30	64.16	74.	00	-9.84	Pk	Vertical
	4804.29	43.25	5.21	35.59	44.30	39.75	54.	00	-14.25	AV	Vertical
	7206.04	60.99	6.48	36.27	44.60	59.14	74.	00	-14.86	Pk	Vertical
	7206.04	43.99	6.48	36.27	44.60	42.14	54.	00	-11.86	AV	Vertical
	4804.08	61.55	5.21	35.55	44.30	58.01	74.	00	-15.99	Pk	Horizontal
	4804.08	40.47	5.21	35.55	44.30	36.93	54.	00	-17.07	AV	Horizontal
	7206.53	62.42	6.48	36.27	44.52	60.65	74.	00	-13.35	Pk	Horizontal
	7206.53	41.02	6.48	36.27	44.52	39.25	54.	00	-14.75	AV	Horizontal
				Mid Chan	nel (2441 N	IHz)(GFSK)	Above	1G			
	4882.29	63.85	5.21	35.66	44.20	60.52	74.	00	-13.48	Pk	Vertical
	4882.29	43.41	5.21	35.66	44.20	40.08	54.	00	-13.92	AV	Vertical
	7323.07	63.59	7.10	36.50	44.43	62.76	74.	00	-11.24	Pk	Vertical
	7323.07	42.70	7.10	36.50	44.43	41.87	54.	00	-12.13	AV	Vertical
	4882.69	64.74	5.21	35.66	44.20	61.41	74.	00	-12.59	Pk	Horizontal
	4882.69	41.73	5.21	35.66	44.20	38.40	54.	00	-15.60	AV	Horizontal
	7324.94	63.06	7.10	36.50	44.43	62.23	74.	00	-11.77	Pk	Horizontal
	7324.94	42.66	7.10	36.50	44.43	41.83	54.	00	-12.17	AV	Horizontal
				High Chan	nel (2480 N	1Hz)(GFSK)	- Above	e 1G			
	4959.78	65.10	5.21	35.52	44.21	61.62	74.	00	-12.38	Pk	Vertical
	4959.78	43.87	5.21	35.52	44.21	40.39	54.	00	-13.61	AV	Vertical
	7439.48	64.22	7.10	36.53	44.60	63.25	74.	00	-10.75	Pk	Vertical
ſ	7439.48	42.79	7.10	36.53	44.60	41.82	54.	00	-12.18	AV	Vertical
Γ	4960.57	64.82	5.21	35.52	44.21	61.34	74.	00	-12.66	Pk	Horizontal
Γ	4960.57	43.59	5.21	35.52	44.21	40.11	54.	00	-13.89	AV	Horizontal
	7440.31	63.17	7.10	36.53	44.60	62.20	74.	00	-11.80	Pk	Horizontal
Γ	7440.31	40.17	7.10	36.53	44.60	39.20	54.	00	-14.80	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.: S23041201205001

Spurious Emission in Restricted Band 23 EUT: Wireless Gaming Controller							Q41		
		saming C	ontroller	Model					
-	•				Relative Humidity: 48%				
Fest Mode:	Mode2/ M			Test B	-		/lary Hu		
All the mod	ulation mode	s have b	een testec	l, and the	worst res	ult was	report as be	elow:	
Frequenc	y Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limit	s Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV	/m) (dB)	Туре	
			11	Mbps(GFSK	()-Non-hoppii	ng			
2310.00	56.45	2.97	27.80	43.80	43.42	74	-30.58	Pk	Horizontal
2310.00	40.52	2.97	27.80	43.80	27.49	54	-26.51	AV	Horizontal
2310.00	54.21	2.97	27.80	43.80	41.18	74	-32.82	Pk	Vertical
2310.00	43.47	2.97	27.80	43.80	30.44	54	-23.56	AV	Vertical
2390.00	51.64	3.14	27.21	43.80	38.19	74	-35.81	Pk	Vertical
2390.00	40.19	3.14	27.21	43.80	26.74	54	-27.26	AV	Vertical
2390.00	53.60	3.14	27.21	43.80	40.15	74	-33.85	Pk	Horizontal
2390.00	43.00	3.14	27.21	43.80	29.55	54	-24.45	AV	Horizontal
2483.50	51.88	3.58	27.70	44.00	39.16	74	-34.84	Pk	Vertical
2483.50	40.00	3.58	27.70	44.00	27.28	54	-26.72	AV	Vertical
2483.50	53.93	3.58	27.70	44.00	41.21	74	-32.79	Pk	Horizontal
2483.50	42.15	3.58	27.70	44.00	29.43	54	-24.57	AV	Horizontal
				1Mbps(GF	SK)-hopping				
2310.00	51.44	2.97	27.80	43.80	38.41	74	-35.59	Pk	Horizontal
2310.00	40.00	2.97	27.80	43.80	26.97	54	-27.03	AV	Horizontal
2310.00	53.36	2.97	27.80	43.80	40.33	74	-33.67	Pk	Vertical
2310.00	44.14	2.97	27.80	43.80	31.11	54	-22.89	AV	Vertical
2390.00	54.37	3.14	27.21	43.80	40.92	74	-33.08	Pk	Vertical
2390.00	42.18	3.14	27.21	43.80	28.73	54	-25.27	AV	Vertical
2390.00	54.33	3.14	27.21	43.80	40.88	74	-33.12	Pk	Horizontal
2390.00	43.22	3.14	27.21	43.80	29.77	54	-24.23	AV	Horizontal
2483.50	50.57	3.58	27.70	44.00	37.85	74	-36.15	Pk	Vertical
2483.50	40.33	3.58	27.70	44.00	27.61	54	-26.39	AV	Vertical
2483.50	53.50	3.58	27.70	44.00	40.78	74	-33.22	Pk	Horizontal
2483.50	42.59	3.58	27.70	44.00	29.87	54	-24.13	AV	Horizontal

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





UT: Wireless Gaming Controller					Model No.:			Q41			
Temperature:	emperature: 20 °C				Relativ	e Humidit	y:	48%			
Test Mode: Mode2 / Mode3 / Mode4				Test B	y:		Mary	/ Hu			
All the modul	ation mode	es have b	een testeo	d, a	ind the	worst resi	ult wa	is rep	ort as be	low:	
Frequency	Reading Level	Cable Loss	Antenna Factor		reamp ⁻ actor	Emission Level	Lim	nits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m		(dB)	(dBµV/m)	(dBµ	V/m)	(dB)	Туре	
3260	62.00	4.04	29.57	4	14.70	50.91	7	4	-23.09	Pk	Vertical
3260	48.85	4.04	29.57	4	14.70	37.76	5	4	-16.24	AV	Vertical
3260	57.27	4.04	29.57	4	14.70	46.18	7	4	-27.82	Pk	Horizontal
3260	47.35	4.04	29.57	4	14.70	36.26	5	4	-17.74	AV	Horizontal
3332	61.32	4.26	29.87	4	14.40	51.05	7	4	-22.95	Pk	Vertical
3332	46.98	4.26	29.87	4	14.40	36.71	5	4	-17.29	AV	Vertical
3332	63.25	4.26	29.87	4	14.40	52.98	7	4	-21.02	Pk	Horizontal
3332	44.27	4.26	29.87	4	14.40	34.00	5	4	-20.00	AV	Horizontal
17797	48.18	10.99	43.95	4	13.50	59.62	7	4	-14.38	Pk	Vertical
17797	37.34	10.99	43.95	4	13.50	48.78	5	4	-5.22	AV	Vertical
17788	56.38	11.81	43.69	4	14.60	67.28	7-	4	-6.72	Pk	Horizontal
17788	35.45	11.81	43.69	4	14.60	46.35	5	4	-7.65	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:	Wireless Gaming Controller	Model No.:	Q41
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Mary Hu





7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

7.4.1 Applicable Standard

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

7.4.2 Conformance Limit

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

7.4.3 Measuring Instruments

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

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2

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

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

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

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = Measurement Bandwidth or Channel Separation

RBW: Start with the RBW set to approximately 3% of the channel spacing; adjust as necessary to best identify the center of each individual channel.

VBW ≥ RBW

Sweep = auto

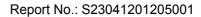
Detector function = peak

Trace = max hold

7.4.6 Test Results

	Wireless Gaming Controller	Model No.:	Q41
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu





7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

7.5.1 Applicable Standard

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

7.5.2 Conformance Limit

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

Certificate #4298.01

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:	Wireless Gaming Controller	Model No.:	Q41
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

Test data reference attachment.

Note:

A Period Time = (channel number)*0.4

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

For Example:

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





7.6 20DB BANDWIDTH TEST

7.6.1 Applicable Standard

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

7.6.2 Conformance Limit

No limit requirement.

7.6.3 Measuring Instruments

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

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

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

7.6.6 Test Results

EUT:	Wireless Gaming Controller	Model No.:	Q41
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu





7.7 PEAK OUTPUT POWER

7.7.1 Applicable Standard

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

7.7.2 Conformance Limit

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

7.7.3 Measuring Instruments

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

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

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

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

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

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

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

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

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

 $VBW \ge RBW$

Sweep = auto

Detector function = peak Trace = max hold

7.7.6 Test Results

EUT:	Wireless Gaming Controller	Model No.:	Q41
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu





7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

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

7.8.2 Conformance Limit

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

7.8.3 Measuring Instruments

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

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

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

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

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

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

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

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

RBW = 100KHz

VBW = 300KHz

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

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

Repeat above procedures until all measured frequencies were complete.

7.8.6 Test Results

EUT:	Wireless Gaming Controller	Model No.:	Q41
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	Mary Hu





7.9 SPURIOUS RF CONDUCTED EMISSION

7.9.1 Applicable Standard

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

7.9.2 Conformance Limit

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

7.9.3 Measuring Instruments

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

7.9.4 Test Setup

Please refer to Section 6.1 of this test report.

7.9.5 Test Procedure

Establish an emission level by using the following procedure:

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

b) Set the RBW = 100 kHz.

c) Set the VBW \geq [3 × RBW].

d) Detector = peak.

e) Sweep time = auto couple.

f) Trace mode = max hold.

g) Allow trace to fully stabilize.

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

7.9.6 Test Results

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





7.10 ANTENNA APPLICATION

7.10.1 Antenna Requirement

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

7.10.2 Result

The EUT antenna is permanent attached PCB antenna (Gain: 2.88 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

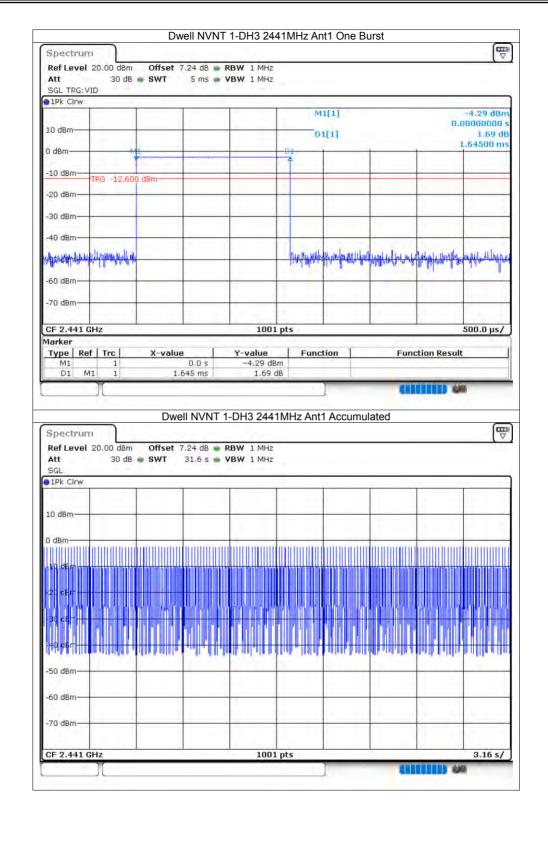
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.375	116.25	310	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.645	253.33	154	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.92	303.68	104	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.375	116.25	310	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.645	253.33	154	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.936	299.472	102	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.375	116.25	310	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.665	258.075	155	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.92	300.76	103	31600	400	Pass



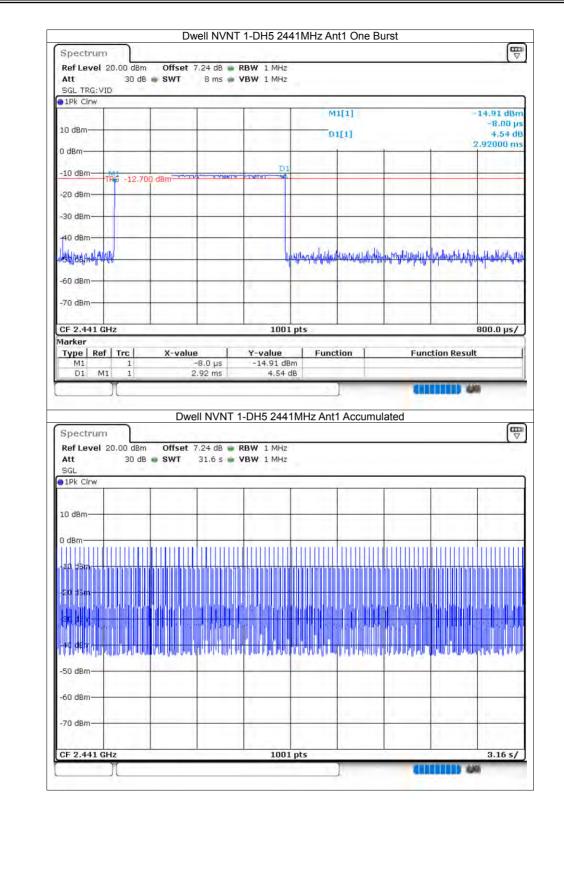


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-40 dBm-									
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Type R M1	ef Trc	X-value	e 10.0 μs	Y-valu -15.0		tion	Fun	ction Result	
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Spectru	ĴĹ	Dwe		1-DH1 2	2441MHz Ant] 1 Accumul	ated		
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Spectrui Ref Level	m I 20.00 dBm	Dwe Offset 3	! NVNT ^ 7.24 dB ■	1-DH1 2 RBW 1 N	2441MHz Ant] 1 Accumul	ated		۳ ۳
Spectrui Ref Level Att SGL	m I 20.00 dBm	Dwe Offset 3	! NVNT ^ 7.24 dB ■	1-DH1 2 RBW 1 N	2441MHz Ant] 1 Accumul	ated		
Spectrui Ref Level Att SGL	m I 20.00 dBm	Dwe Offset 3	! NVNT ^ 7.24 dB ■	1-DH1 2 RBW 1 N	2441MHz Ant] 1 Accumul	ated		
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Spectrui Ref Level Att SGL 1Pk Clrw 10 dBm 0 dBm 	m I 20.00 dBm 30 dB	Dwe Offset 7 • SWT	21 NVNT	1-DH1 2 RBW 1 M YBW 1 M	2441MHz Ant				
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Spectrum Ref Level Att SGL 10 dBm	m I 20.00 dBm 30 dB	Dwe	21 NVNT	1-DH1 2 RBW 1 M YBW 1 M	1441MHz Ant				
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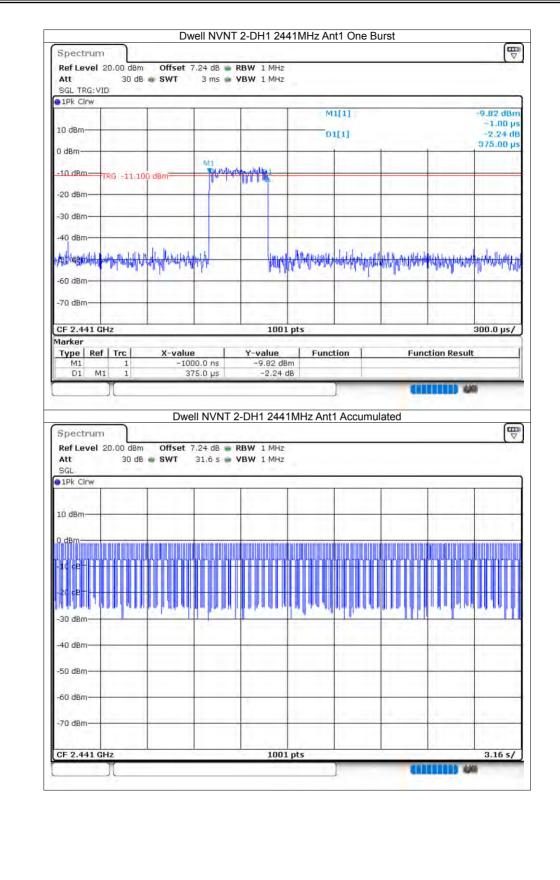




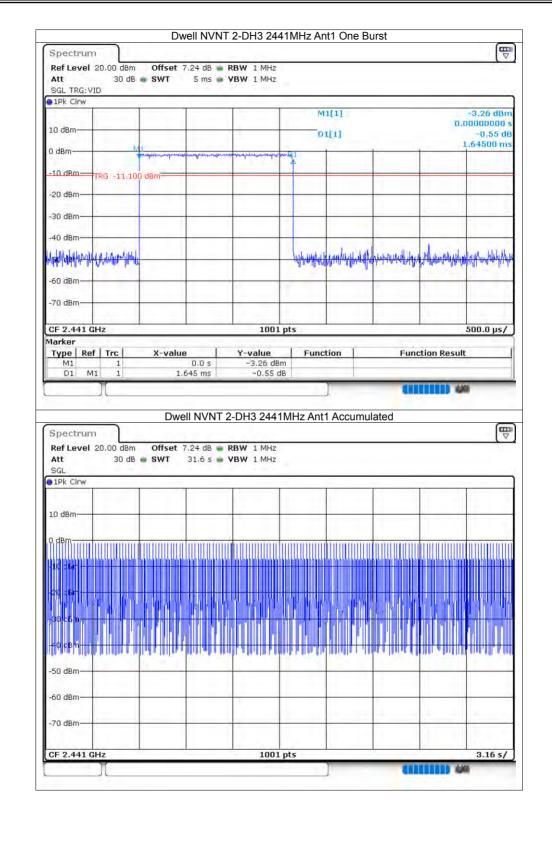




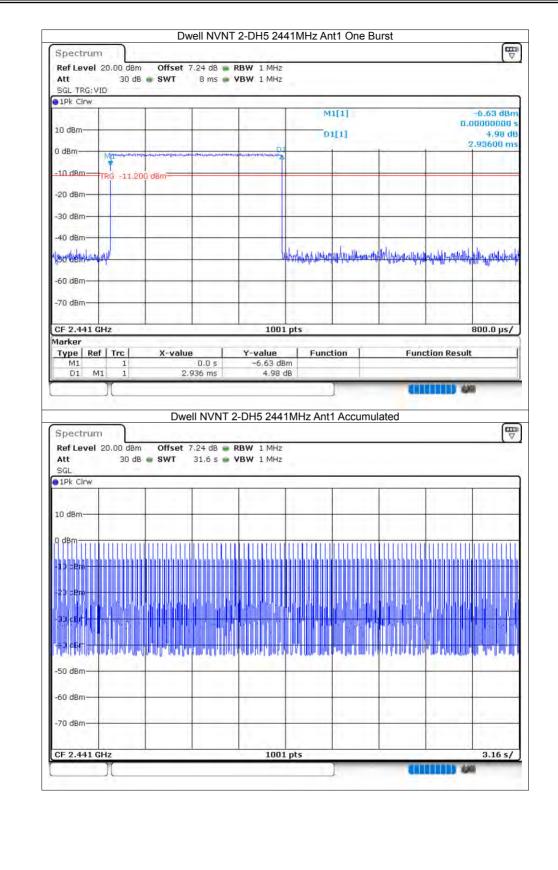




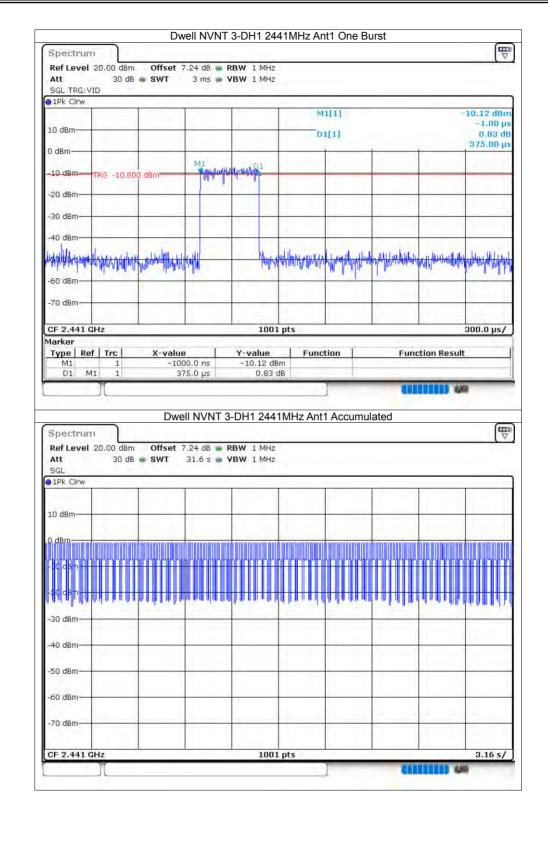




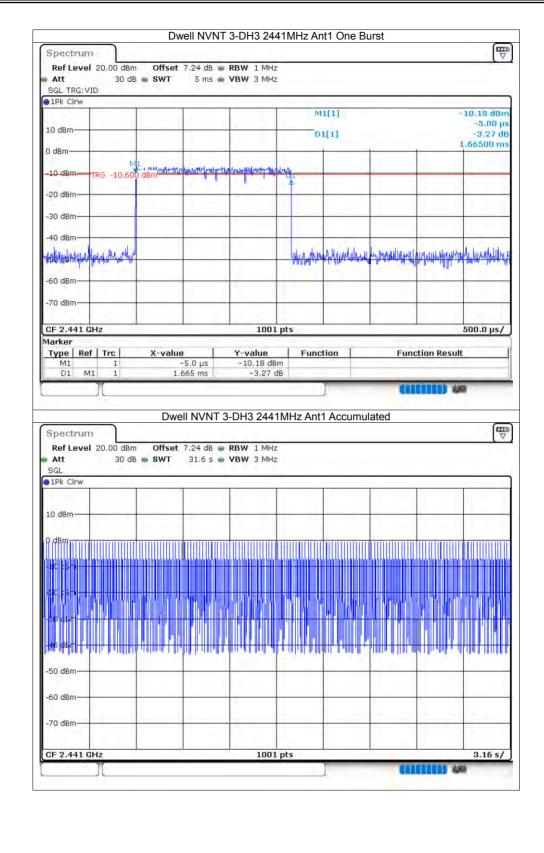




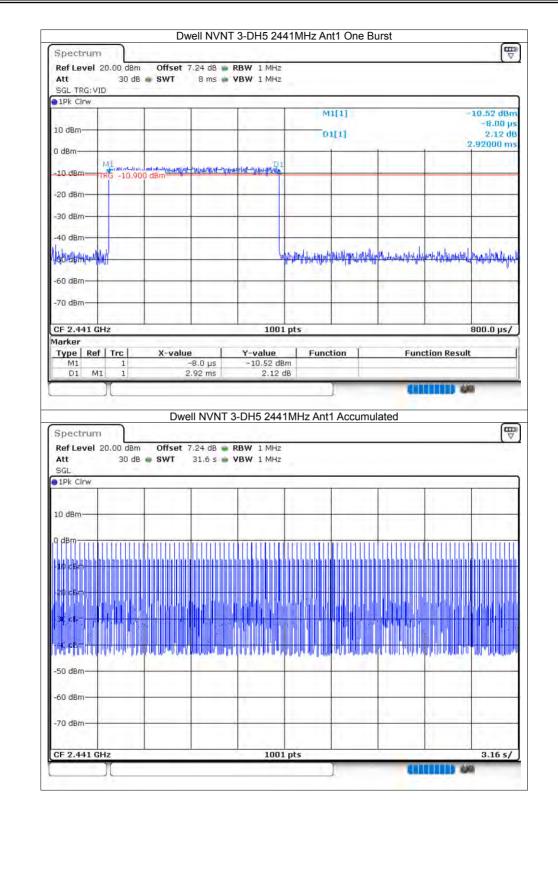










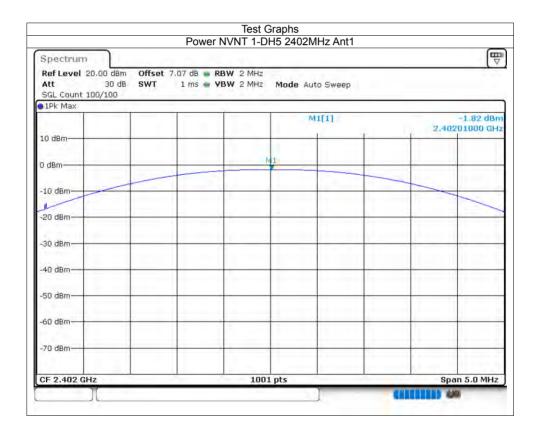






8.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.82	21	Pass
NVNT	1-DH5	2441	Ant1	-2.53	21	Pass
NVNT	1-DH5	2480	Ant1	-2.77	21	Pass
NVNT	2-DH5	2402	Ant1	-0.08	21	Pass
NVNT	2-DH5	2441	Ant1	-0.56	21	Pass
NVNT	2-DH5	2480	Ant1	-0.66	21	Pass
NVNT	3-DH5	2402	Ant1	0.23	21	Pass
NVNT	3-DH5	2441	Ant1	-0.24	21	Pass
NVNT	3-DH5	2480	Ant1	-0.31	21	Pass







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-40 dBm		+ +	_		_	-		
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-60 dBm								
-70 dBm	1	+ +						4
								1
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Spectrum Ref Level 20.00 dBm Att 30 dB		Power NV 7.07 dB • RBW 1 ms • VBW	/ 2 MHz	H5 2480MH Mode Auto				[9
Ref Level 20.00 dBm		7.07 db 🍙 RBW	/ 2 MHz	Mode Auto	Sweep			
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100		7.07 db 🍙 RBW	/ 2 MHz		Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100		7.07 db 🍙 RBW	/ 2 MHz	Mode Auto	Sweep			-2.77 dB 95500 Gł
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max		7.07 db 🍙 RBW	/ 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm 0 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm 0 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm -20 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep			-2.77 dB
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm		7.07 db 🍙 RBW	/ 2 MHz / 2 MHz	Mode Auto	Sweep		2.479	-2.77 dB 95500 G
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm 0 dBm		7.07 db 🍙 RBW	M 2 MHz	Mode Auto	Sweep		2.479	-2.77 dB 95500 Gł





SGL Count 100/100		5 • VBW 2 MHz	Mode Auto S	weep		
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Ref Level 20.00 dBm Att 30 dB SGL Count 100/100	Offset 7.24 dE	B RBW 2 MHz B VBW 2 MHz				[₩ V
Att 30 dB- SGL Count 100/100 1Pk Max	Offset 7.24 dE	3 B RBW 2 MHz		меер		-0.56 dBn 86360 GH:
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 7.24 dE	3 B RBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB. SGL Count 100/100 1Pk Max	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB 30 dB SGL Count 100/100 100 1Pk Max 10 100 10 dBm 0 0	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB SGL Count 100/100 SGL Count 100/100 100/100 100 IPk Max 0 dBm 0 -10 dBm	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB 30 dB SGL Count 100/100 100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB 30 dB SGL Count 100/100 100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB 30 dB SGL Count 100/100 100/100 1Pk Max 10 dBm 10 dBm 0 0 -10 dBm	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB 30 dB SGL Count 100/100 100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB 30 dB SGL Count 100/100 100 1Pk Max 10 dBm 10 dBm	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер		-0.56 dBn
Ref Level 20.00 dBm Att 30 dB 30 dB SGL Count 100/100 100/100 1Pk Max 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm -10 dBm	Offset 7.24 dE	3 • RBW 2 MHz 5 • YBW 2 MHz	Mode Auto S	меер	2,440	-0.56 dBn





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, o opin									1
A REAL PROPERTY AND					where			- Cna	n 6.5 MHz
Spectrum Ref Level	20.00 dBm		07 dB 🖷 R		H5 2402N		01		(T
Spectrum Ref Level Att SGL Count	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-DI	H5 2402N		CHA		
Att SGL Count 1Pk Max	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-DI BW 2 MHz	H5 2402N Mode Aut				
Spectrum Ref Level Att SGL Count	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-DI BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 30 dB		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402N Mode Aut	o Sweep			0.23 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 30 dB 100/100		07 dB 🖷 R	NVNT 3-D! BW 2 MHz BW 2 MHz	H5 2402M Mode Aut	o Sweep		2,401	0.23 dBm





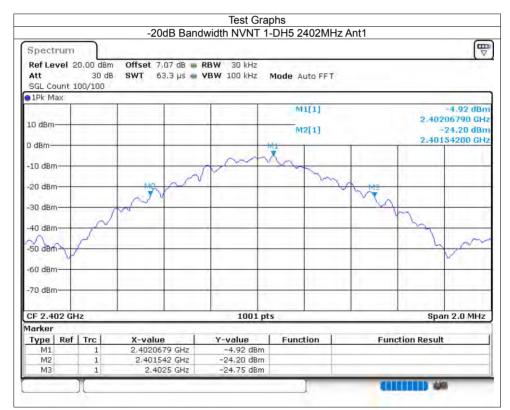
SGL Count 100/10	dB SWT	.24 dB B RBW 2 MHz 1 ms B VBW 2 MHz		p		
1Pk Max	1	1 1 -	M1[1]			-0.24 dBn
10 dBm			1	1		00000 GH
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-10 dBm	and the second second				-	
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-40 dBm						-
-50 dBm						
-60 dBm				11 h		
-70 dBm						
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Ref Level 20.00 d		Power NVNT 3-E				(U
	dB SWT	0.0.00				(W
Ref Level 20.00 d Att 30 SGL Count 100/100	dB SWT	.07 dB 💼 RBW 2 MHz				-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100	dB SWT	.07 dB 💼 RBW 2 MHz	Mode Auto Swee			-0.31 dBn 88960 GH
Ref Level 20.00 d Att 30 SGL Count 100/10 1Pk Max	dB SWT	.07 dB 💼 RBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 G Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 G Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 10	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 G Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0 dBm -10 dBm -20 dBm/www.max -20 dBm/www.max	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 0 dBm - -10 dBm -	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0 dBm -10 dBm -20 dBm/www.max -20 dBm/www.max	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 IO dBm - - -10 dBm - - -20 dBm - - -30 dBm - -	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 dBm 0 -10 dBm	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 IO dBm - - -10 dBm - - -20 dBm - - -30 dBm - -	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 ID dBm 0 dBm -10 dBm	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 0 dBm 0 dBm -10 dBm -0 dBm -20 dBm	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee			-0,31 dBr
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 IPk Max 10 0 dBm	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee		2.479	-0.31 dBr 88960 GH
Ref Level 20.00 d Att 30 SGL Count 100/100 11Pk Max 30 10 dBm 30 10 dBm 30 dBm 40 dBm 30 dBm 40 dBm 30 dBm 50 dBm 40 dBm 50 dBm 30 dBm 40 dBm 50 dBm	dB SWT	.07 dB RBW 2 MHz 1 ms VBW 2 MHz	Mode Auto Swee	р 	2.479	-0.31 dBr 88960 GH





8.3 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.958	Pass
NVNT	1-DH5	2441	Ant1	0.958	Pass
NVNT	1-DH5	2480	Ant1	0.954	Pass
NVNT	2-DH5	2402	Ant1	1.358	Pass
NVNT	2-DH5	2441	Ant1	1.358	Pass
NVNT	2-DH5	2480	Ant1	1.352	Pass
NVNT	3-DH5	2402	Ant1	1.346	Pass
NVNT	3-DH5	2441	Ant1	1.342	Pass
NVNT	3-DH5	2480	Ant1	1.346	Pass

















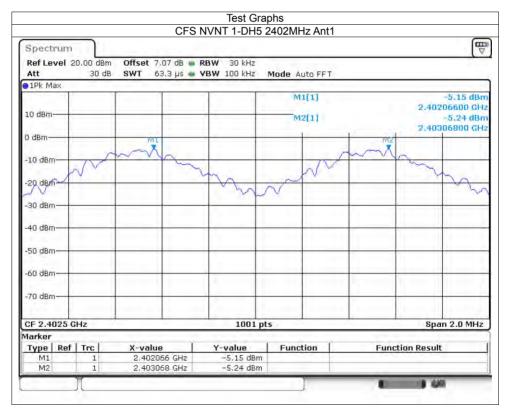


NTEK 北测[®]



8.4 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.066	2403.068	1.002	0.639	Pass
NVNT	1-DH5	Ant1	2441.068	2442.068	1	0.639	Pass
NVNT	1-DH5	Ant1	2479.066	2480.068	1.002	0.636	Pass
NVNT	2-DH5	Ant1	2401.824	2402.828	1.004	0.905	Pass
NVNT	2-DH5	Ant1	2440.826	2441.828	1.002	0.905	Pass
NVNT	2-DH5	Ant1	2478.824	2479.826	1.002	0.901	Pass
NVNT	3-DH5	Ant1	2401.954	2402.954	1	0.897	Pass
NVNT	3-DH5	Ant1	2441.134	2442.136	1.002	0.895	Pass
NVNT	3-DH5	Ant1	2479.134	2480.136	1.002	0.897	Pass





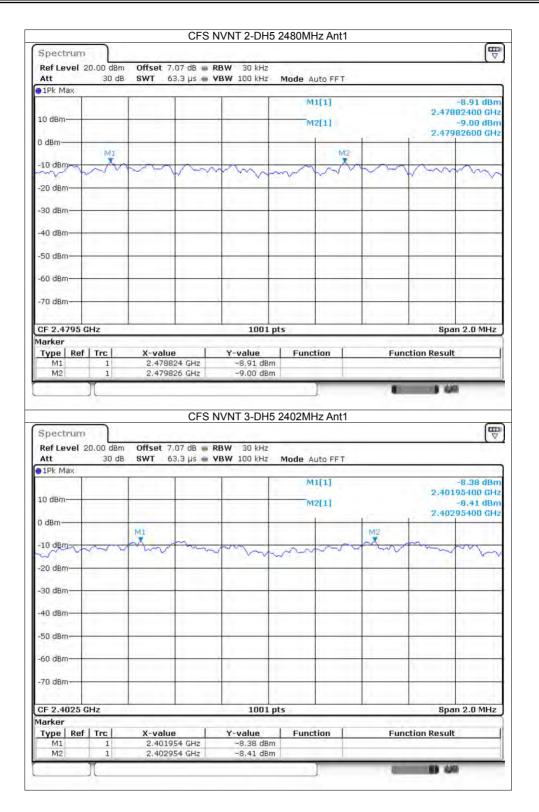




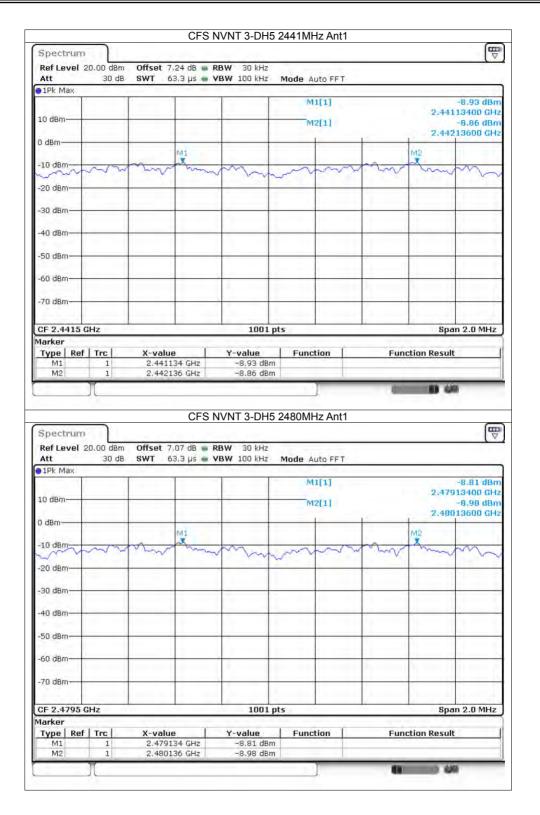


Spectrum								E
Ref Level 20.00 dBm Att 30 dB			3W 30 kHz 3W 100 kHz	Mode Au	to FFT			
1Pk Max								
				MI	(1)			-8.31 dBr 82400 GH
10 dBm				M2	[1]			-8.17 dBr
0 dBm				1			2.402	82800 GH
MI					M2			
-10 dBm	hard	rown	m	-	ww	and	hum	m
-20 dBm		-						
-30 dBm	1						-	
-40 dBm								
-50 dBm								
-60 dBm-								
-70 dBm-								
yo dolla								
CF 2.4025 GHz			1001 p	ots			Spa	n 2.0 MHz
Marker Type Ref Trc	X-value		Y-value	Functi			tion Result	
M2 1	2.40282	8 GHz	-8.17 dBm	d.		_		
						1000	B) 65	
]		-	0.0	-
		CFS N	VNT 2-DH5	2441MH	z Ant1	100	0.00	
Spectrum		CFS N	VNT 2-DH5	2441MH	z Ant1		0.0	
Ref Level 20.00 dBm		24 dB 🐞 RE	3W 30 kHz	V.E. 51				[II ⊽
Ref Level 20.00 dBm Att 30 dB		24 dB 🐞 RE		V.E. 51				₹
Ref Level 20.00 dBm Att 30 dB		24 dB 🐞 RE	3W 30 kHz	V.E. 51	to FFT			-8.75 dBn
Ref Level 20.00 dBm Att 30 dB		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FFT [1]		2.440	-8.75 dBn 82600 GH
Ref Level 20.00 dBm Att 30 dB 1Pk Max 10 dBm 10 dBm 10 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FFT		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 10 dBm 10 dBm 10 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FFT [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn 82800 GH
Ref Level 20.00 dBm Att 30 dB 1Pk Max 10 dBm 0 dBm 0 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 10 dBm 0 dBm M1 -10 dBm M1		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 10 dBm 0 dBm M1 -10 dBm M1		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 10 dBm 0 dBm 10 dBm -10 dBm M1 -20 dBm -30 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 30 dBm 10 dBm 0 dBm -10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -40 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 30 dBm 10 dBm 0 dBm -10 dBm 0 dBm -20 dBm -30 dBm -30 dBm -50 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn
Ref Level 20.00 dBm Att 30 dB 1Pk Max 30 dBm 10 dBm 0 dBm -10 dBm 0 dBm -20 dBm 0 dBm -30 dBm 0 dBm -30 dBm 0 dBm -70 dBm 0 dBm		24 dB 🐞 RE	3W 30 kHz 3W 100 kHz	Mode Au M1 M2	to FF T [1] [1]		2.440	-8.75 dBr 82600 GH -8.80 dBr 82800 GH
Ref Level 20.00 dBm Att 30 dB 1Pk Max 30 dBm 10 dBm 10 dBm -10 dBm 10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -60 dBm -60 dBm -70 dBm -70 dBm		24 dB 🐞 RE	3W 30 kHz	Mode Au M1 M2	to FF T [1] [1]		2.440	-8.75 dBn 82600 GH -8.80 dBn 82800 GH
Ref Level 20.00 dBm Att 30 dB 1Pk Max 30 dB 10 dBm 10 dBm -0 dBm 10 dBm -20 dBm	SWT 63	24 dB = RE .3 µs = VI	3W 30 kHz 3W 100 kHz 	Mode Au M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	to FFT [1] [1]	Func	2.440	-8.75 dBn 82600 GH -8.80 dBn 82800 GH
Ref Level 20.00 dBm Att 30 dB 1Pk Max 30 dBm 10 dBm 10 dBm -10 dBm 10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -60 dBm -70 dBm -70 dBm	SWT 63	24 dB = RE ,3 µs = YI	3W 30 kHz 3W 100 kHz	Mode Au M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	to FFT [1] [1]	Func	2.440 2.441	-8.75 dBn 82600 GH -8.80 dBn 82800 GH













8.5 Number of Hopping Channel

	iopping one				
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

M2	-	1	2,48024	35 GHZ	-4.25 di	sm					66
M1	Ref	1	2.4020	04 GHz	-2.58 di		Funct		Fund	cion Result	
larker Type	Ref	Teo I	X-value		Y-value	1	Funct	ion 1	Curr	tion Result	
Start 2	.4 GHz		-		100	1 pts	5	-		Stop 2	4835 GHz
-70 dBm	1-										1
					1		221				
-60 dBm		_			1.2	-	-				
50 dBm				-		+			-	-	M
HU UBM		• •		1						1	
40 dBm											1000
30 dBm			-		_						
20 dBm	1010	l é r é ¥ é	1.11.2.20	I. I. S. I.	rayad saff. I	10.7		0001490	-beener in in i	A A B A B I A A	01.01
-101 -		IWW		KWW0	AMDY WWW	W	MMA	MWM	WWWWW		WWW
AAAA.	BAAAA	AAAAM	(AAAAAAAA)	AAAAAAA	00000000000	han	ADADA	ANAAAA.	adaaaaaa a	6886886	AAAAA
Hem-									1	2.48	02435 GH: M2
10 dBm-			-			-	M	2[1]			-4.25 dBm
				-			M	l[1]			-2.58 dBm
Att 1Pk M	ax	30 dB	SWT	1 ms 🖷	VBW 300 kH:	z r	Mode A	ito Sweep)		-
	vel 20	.00 dBm			RBW 100 kH:						
Spect	rum										E □ □
			F	lopping	No. NVNT '	1-Dİ	H5 240	2MHz A	nt1		
					Test C	Jia	115				



Spectrum)							
Ref Level 20.00	dBm Offset 10 dB SWT		RBW 100 kHz VBW 300 kHz	Mode Au	to Sweep			
1Pk Max	10	1			141			1 55 15
	_	1.1		MI	(1)			-4.52 dBm 18370 GHz
10 dBm				M2	[1]			-5.44 dBm
MdBm		-				-	2,48	04105 GHz M2
Manna	normann	manner	whenwhen	MANNAN	hadanana	ANAMAM	nownw	
10 dBm								
20 dBm	-	-						
30 dBm	_	1.1						
be abin		1	· · · · · · · · · · · · · · · · · · ·					1
40 dBm				-		-		Ly .
50 dBm								
		-						an
60 dBm							1	1.000
70 dBm	_	-						
	-						1.0	1
Start 2.4 GHz		-	1001 p	its			Stop 2.	4835 GHz
larker Type Ref Tro	x-va	lue I	Y-value	Functi	ion 1	Fund	tion Result	1
M1	1 2.40	1837 GHz 4105 GHz	-4.52 dBm					
M2								
71		1100 0112	-5.44 dBm	1				
JI.	4] E1100	1100 GHz	-5,44 aBm			- 10		
][2MHz Ant	1	9.44	1
Spectrum)		-5.44 dBm		2MHz Ant	1	- 9 48	(E)
		Hopping N			2MHz Ant	1	9.65	
Ref Level 20.00 Att 3		Hopping N 7.07 dB • F	NO. NVNT 3-[1	1 60	
Ref Level 20.00 Att 3	dBm Offset	Hopping N 7.07 dB • F	NO. NVNT 3-[RBW 100 kHz	DH5 2402 Mode Au	to Sweep	1	1 64	
Ref Level 20.00 Att 3 1Pk Max	dBm Offset	Hopping N 7.07 dB • F	NO. NVNT 3-[RBW 100 kHz	DH5 2402 Mode Au	to Sweep	1	2.40	-5.55 dBm 15865 GHz
Spectrum Ref Level 20.00 Att 3 11Pk Max	dBm Offset	Hopping N 7.07 dB • F	NO. NVNT 3-[RBW 100 kHz	DH5 2402 Mode Au	to Sweep	1	2.40	-5.55 dBm
Ref Level 20.00 Att 3 1Pk Max 3 10 dBm 3	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz M2
Ref Level 20.00 Att 3 1Pk Max 10 dBm	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz M2
Ref Level 20.00 Att 3 1Pk Max 3 1D dBm 3 MgBm 10 MgBm 10	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz M2
Ref Level 20.00 Att 3 1Pk Max 3 1D dBm 3 MgBm 10 MgBm 10	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz M2
Ref Level 20.00 Att 3 11Pk Max L0 dBm 1gBm 10 dBm 10 dBm 20 dBm	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz M2
Ref Level 20.00 Att 3 11Pk Max 10 dBm 10 dBm 10 dBm 10 dBm 20 dBm 20 dBm 30 dBm	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GH2 M2 WWW/W
Ref Level 20.00 Att 3 11Pk Max 10 dBm 10 dBm 10 dBm 10 dBm 20 dBm 20 dBm 30 dBm	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GH2 M2 WWW/W
Ref Level 20.00 Att 3)1Pk Max 3 10 dBm 3 10 dBm 3 10 dBm 3 20 dBm 3 30 dBm 3 40 dBm 3	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz M2
Ref Level 20.00 Att 3 11Pk Max 3 10 dBm 3 10 dBm 3 10 dBm 3 20 dBm 3 30 dBm 3 40 dBm 3 50 dBm 3	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GH2 M2 WWW/W
Ref Level 20.00 Att 3 11Pk Max 3 11Pk Max 3 10 dBm 3 20 dBm 3 40 dBm 3 50 dBm 3 60 dBm 3	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GH2 M2 WWW/W
Ref Level 20.00 Att 3 11Pk Max 3 11Pk Max 3 10 dBm 3 20 dBm 3 40 dBm 3 50 dBm 3 60 dBm 3	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402 Mode Au M1 M2	to Sweep [1] [1]		2.40	-5.55 dBm 15865 GHz -6.42 dBm 04940 GH2 M2 WWW/W
Ref Level 20.00 Att 3 11Pk Max 3 11Pk Max 3 10 dBm 3 10 dBm 3 10 dBm 3 20 dBm 3 30 dBm 3 40 dBm 3 50 dBm 3 60 dBm 3	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N		DH5 2402	to Sweep [1] [1]		2.40 2.48 NJ/M/M/M	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz M2 WWW
Ref Level 20.00 Att 3 1Pk Max 3 1Pk Max 3 10 dBm 3 10 dBm 3 20 dBm 3 30 dBm 3 40 dBm 3 40 dBm 3 50 dBm 3 60 dBm 3 70 dBm 3 70 dBm 3 70 dBm 3 70 dBm 3	dBm Offset 80 dB SWT	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-[RBW 100 kHz VBW 300 kHz	DH5 2402	to Sweep [1] [1]		2.40 2.48 NJ/M/M/M	-5.55 dBm 15865 GHz -6.42 dBm 04940 GH2 M2 WWW/W
Ref Level 20.00 Att 3 11Pk Max 3 11Pk Max 3 10 dBm 3 10 dBm 3 10 dBm 3 20 dBm 3 40 dBm 3 50 dBm 3 60 dBm 3 70 dBm 3 31 dBm 3 32 dBm 3 40 dBm 3 50 dBm 3 60 dBm 3 70 dBm 3 31 dBm 3 70 dBm 3 31 dBm 3 31 dBm 3 32 dBm 3 33 dBm 3 34 dBm 3 35 dBm 3 36 dBm 3 37 dBm 3 38 dBm 3 39 dBm 3 30 dBm 3 31 dBm 3 32 dBm 3 <tr< td=""><td>לפישי Offset וויייס איז איז איז איז איז איז איז איז איז איז</td><td>Hopping N 7.07 dB = F 1 ms = N</td><td>No. NVNT 3-[RBW 100 kHz yBW 300 kHz yMM/MMM/V MM/MMM/V 1001 p Y-value</td><td>DH5 2402</td><td>to Sweep [1] [1] Հլավանակի</td><td>164 mbry 12 mer</td><td>2.40 2.48 NJ/M/M/M</td><td>-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz ////////////////////////////////////</td></tr<>	לפישי Offset וויייס איז	Hopping N 7.07 dB = F 1 ms = N	No. NVNT 3-[RBW 100 kHz yBW 300 kHz yMM/MMM/V MM/MMM/V 1001 p Y-value	DH5 2402	to Sweep [1] [1] Հլավանակի	164 mbry 12 mer	2.40 2.48 NJ/M/M/M	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz ////////////////////////////////////
Ref Level 20.00 Att 3 11Pk Max 3 11Pk Max 4 10 dBm 4 10 dBm 4 20 dBm 4 20 dBm 4 50 dBm 4 60 dBm 4 50 dBm 4 60 dBm 4 70 dBm 4 81 dBm 4 70 dBm 4 70 dBm 4 70 dBm 4 81 dBm 4	C	Hopping N 7.07 dB • F 1 ms • N	No. NVNT 3-E	DH5 2402	to Sweep [1] [1] Հլավանակի	164 mbry 12 mer	2,40 2,48 ۵۲///////// Stop 2.	-5.55 dBm 15865 GHz -6.42 dBm 04940 GHz ////////////////////////////////////

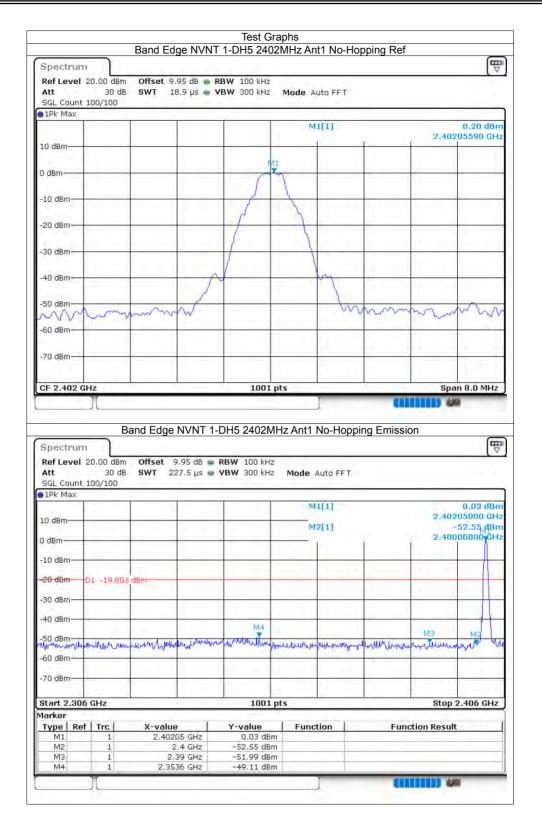




8.6 Band Edge

0.0 Banu E	uye						
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-49.3	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-49.5	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-45.28	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-47.13	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-47.37	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-48.14	-20	Pass







Spectrum				1-DH5 248			-		
Ref Level 2 Att SGL Count 1	30 dB			RBW 100 kHz /BW 300 kHz		uto FFT			
1Pk Max									
					M	1[1]		2.480	-0,84 dBn 101600 GH
10 dBm			1						
0 dBm	_		-	M	1			-	
-10 dBm					7			=	
-20 dBm					\rightarrow				
-30 dBm			-						
-40 dBm		\sim	\sim	1		~	~		-
-50 dBm	1m	\sim					~	500	m.
-60 dBm				-	-				
-70 dBm			_	-	_	-			-
120									
Contact and a second second								Spa	n 8.0 MHz
CF 2.48 GH		-		1001 DH5 2480M	/Hz Ant1] No-Hoppi	ng Emissie	•	• (T
Spectrum	20.00 dBm 30 dB	Offset 9.	95 dB 🍙		/Hz Ant1			•	8
Spectrum Ref Level 2 Att	20.00 dBm 30 dB	Offset 9.	95 dB 🍙	DH5 2480M	/IHz Ant1	Auto FFT		•	₩ (₩ \\[\]
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max	20.00 dBm 30 dB	Offset 9.	95 dB 🍙	DH5 2480M	/Hz Ant1 z z Mode / M	Auto FFT.		2.480	-0.82 dBr
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm M1	20.00 dBm 30 dB	Offset 9.	95 dB 🍙	DH5 2480M	/Hz Ant1 z z Mode / M	Auto FFT		2.480	-0.82 dBn 055000 GH -52.85 dBn
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm M1 0 dEm	20.00 dBm 30 dB	Offset 9.	95 dB 🍙	DH5 2480M	/Hz Ant1 z z Mode / M	Auto FFT.		2.480	-0.82 dBr
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm M1 0 dEm -10 dBm	B 20.00 dBm 30 dB 100/100	Offset 9. SWT 22:	95 dB 🍙	DH5 2480M	/Hz Ant1 z z Mode / M	Auto FFT.		2.480	-0.82 dBn 055000 GH -52.85 dBn
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm M1 0 dBm -10 dBm -20 cBm	B 20.00 dBm 30 dB 100/100	Offset 9. SWT 22:	95 dB 🍙	DH5 2480M	/Hz Ant1 z z Mode / M	Auto FFT.		2.480	-0.82 dBn 055000 GH -52.85 dBn
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	B 20.00 dBm 30 dB 100/100	Offset 9. SWT 22:	95 dB 🍙	DH5 2480M	/Hz Ant1 z z Mode / M	Auto FFT.		2.480	-0.82 dBn 055000 GH -52.85 dBn
Spectrum Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm -10 dBm -10 dBm -20 cBm -20 cBm -30 dBm	B 20.00 dBm 30 dB 100/100	Offset 9. SWT 223	95 dB 7.5 μs 95 dB 95 d	DH5 2480M	/Hz Ant1	Auto FFT		2.480	-0.82 dBn 005000 GH -52.85 dBn 550000 GH
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 cBm -20 cBm -30 cBm -40 dBm	B 20.00 dBm 30 dB 100/100	Offset 9. SWT 223	95 dB 7.5 μs 95 dB 95 d	DH5 2480M	/Hz Ant1	Auto FFT		2.480	-0.82 dBn 005000 GH -52.85 dBn 550000 GH
Spectrum Ref Level 2 Att SGL Count 1 IPk Max ID dBm -10 dBm -20 dBm -20 dBm -40 dBm -60 dBm	B 20.00 dBm 30 dB 100/100	Offset 9. SWT 223	95 dB 7.5 μs 95 dB 95 d	DH5 2480M	/Hz Ant1	Auto FFT		2.480	-0.82 dBn 005000 GH -52.85 dBn 550000 GH
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm	B 20.00 dBm 30 dB 100/100	Offset 9. SWT 223	95 dB 7.5 μs 95 dB 95 d	DH5 2480M	/IHz Ant1	Auto FFT		2.480	-0.82 dBn 005000 GH 52.85 dBn 850000 GH
Spectrum Ref Level 2 Att SGL Count 1 IPk Max ID dBm -10 dBm -20 dBm -20 dBm -40 dBm -60 dBm	B 20.00 dBm 30 dB 100/100	Offset 9. SWT 223	95 dB 7.5 μs 95 dB 95 d	DH5 2480M	/IHz Ant1	Auto FFT		2.480	-0.82 dBn 005000 GH -52.85 dBn 550000 GH
Spectrum Ref Level 2 Att SGL Count 1 IPk Max ID dBm -10 dBm -20 cBm -20 cBm -20 cBm -20 cBm -30 dBm -40 dBm -70 dBm	B 20.00 dBm 30 dB 100/100 D1 -20.842 M4 GHz GHz	Offset 9. SWT 223	95 dB 7.5 μs 	DH5 2480M	//Hz Ant1	Auto FFT	ani patra patra	2.480	-0.82 dBn 52.85 dBn 55000 GH
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -20 cBm -20 cBm -20 cBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	B 20.00 dBm 30 dB 100/100 D1 -20.842 M4 M4 GHz	Offset 9. SWT 223	95 dB = 7.5 μs = 0// /0// //	DH5 2480M	//Hz Ant1	Auto FFT	ani patra patra	2.480	-0.82 dBn 52.85 dBn 55000 GH
Spectrum Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm -10 dBm -10 dBm -20 cBm -20 cBm -20 cBm -30 dBm -70 dBm	B 20.00 dBm 30 dB 100/100 D1 -20.842 M4 M4 GHz GHz I Trc 1 1 1	Offset 9. SWT 223 dBm dBm M3 offwith Miniful structure 2.4800 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.48300 2.483000 2.483000000000000000000000000000000000000	95 dB 7.5 μs 7.5 μs 5 GHz 5 G	DH5 2480M	/IHz Ant1	Auto FFT	ani patra patra	2.480	-0.82 dBn 52.85 dBn 55000 GH
Spectrum Ref Level 2 Att SGL Count 1 Plk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -60 dBm -70 dBm	B 20.00 dBm 30 dB 100/100 01 -20.842 01 -20.842 GHz GHz 1 1	Offset 9, SWT 22: dBm dBm M3 dMm3 uMm3 uMm3 uMm3 uMm3 uMm3 uMm3 uMm3 u	95 dB 7.5 μs 7.5 μs 5 GHz 5 G	DH5 2480M	/IHz Ant1	Auto FFT	ani patra patra	2.480	-0.82 dBn 52.85 dBn 55000 GH



			5	2-DH5 240			1		Ē
Spectrum Ref Level		Offset 9	.95 dB 🗰 🖪	BW 100 kHz					(V
Att				BW 300 kHz		uto FFT			
SGL Count	100/100			17. 01. 200					
1Pk Max			-	· · ·					
					M	1[1]		12 4 64	-1,60 dBn 204000 GH
10 dBm						-	-	2,402	204000 GH
10.20					1.11				
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Spectrum		-	a 6	DH5 2402M		No-Hoppi	ng Emissio	on	
Ref Level : Att	20.00 dBm 30 dB	Offset 9	9.95 dB 🍙	DH5 2402M RBW 100 kH2 VBW 300 kH2	2			on	
Ref Level : Att SGL Count	20.00 dBm 30 dB	Offset 9	9.95 dB 🍙	RBW 100 kHz	2			on	(T
Ref Level : Att	20.00 dBm 30 dB	Offset 9	9.95 dB 🍙	RBW 100 kHz	2 2 Mode 4	Auto FFT		on	
Ref Level : Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 9	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT 1[1]		2.402	-1.09 dBn 205000 GH
Ref Level : Att SGL Count	20.00 dBm 30 dB	Offset 9	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT		2.402	-1.09 dBn 205000 GH -52.29 dBn
Ref Level : Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 9	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT 1[1]		2.402	-1.09 dBn 205000 GH
Ref Level : Att SGL Count 1Pk Max 10 dBm- 0 dBm-	20.00 dBm 30 dB	Offset 9	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT 1[1]		2.402	-1.09 dBn 205000 GH -52.29 dBn
Ref Level 3 Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB 100/100	Offset 9 SWT 2:	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT 1[1]		2.402	-1.09 dBn 205000 GH -52.29 dBn
Ref Level : Att SGL Count 1Pk Max 10 dBm- 0 dBm-	20.00 dBm 30 dB 100/100	Offset 9 SWT 2:	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT 1[1]		2.402	-1.09 dBn 205000 GH -52.29 dBn
Ref Level 3 Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB 100/100	Offset 9 SWT 2:	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT 1[1]		2.402	-1.09 dBn 205000 GH -52.29 dBn
Ref Level SGL Count SGL Count 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm	20.00 dBm 30 dB 100/100	Offset 9 SWT 2:	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT 1[1]		2.402	-1.09 dBn 205000 GH -52.29 dBn
Ref Level 3 Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 100/100	Offset 9 SWT 2:	9.95 dB 🍙	RBW 100 kHz	2 2 Mode / M	Auto FFT 1[1]		2.402	-1.09 dBn 205000 GH -52.29 dBn
Ref Level S Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 100/100	Offset 9 SWT 22	9.95 dB	RBW 100 kHa YBW 300 kHa	2 Mode / M	Auto FFT.		2.400	-1.09 dBn 205000 GH -52.29 dBn 20000005H
Ref Level SGL Count SGL Count 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 100/100	Offset 9 SWT 22	9.95 dB	RBW 100 kHz	2 Mode / M	Auto FFT.		2.400	-1.09 dBn 205000 GH -52.29 dBn 20000005H
Ref Level S Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 100/100	Offset 9 SWT 22	9.95 dB	RBW 100 kHa YBW 300 kHa	2 Mode / M	Auto FFT.		2.400	-1.09 dBn 205000 GH -52.29 dBn 20000005H
Ref Level SGL Count SGL Count 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 100/100	Offset 9 SWT 22	9.95 dB	RBW 100 kHa YBW 300 kHa	2 Mode / M	Auto FFT.		2.400	-1.09 dBn 205000 GH -52.29 dBn 20000005H
Ref Level SGL Count SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm - -20 dBm - -30 dBm - -40 dBm - -50 dBm - -60 dBm -	20.00 dBm 30 dB 100/100	Offset 9 SWT 22	9.95 dB	RBW 100 kHa YBW 300 kHa	2 Mode / M	Auto FFT.		2.400	-1.09 dBn 205000 GH -52.29 dBn 20000005H
Ref Level SGL Count SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm - -20 dBm - -30 dBm - -40 dBm - -50 dBm - -60 dBm -	20.00 dBm 30 dB 100/100	Offset 9 SWT 22	9.95 dB	RBW 100 kHa YBW 300 kHa	Mode A	Auto FFT.		2.400 2.400	-1.09 dBn 205000 GH -52.29 dBn 20000005H
Ref Level S Att SGL Count SGL Count 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm	20.00 dBm 30 dB 100/100 DI -21,601	dBm	9.95 dB 27.5 μs	RBW 100 kH3 YBW 300 kH3	۲۰۰۰ Mode بر ۲۰۰۰ M ۲۰۰۰ Mail Market ۲۰۰۰ Market ۲۰۰۰ Market ۲۰۰۰ Market ۲۰۰۰ Market ۲۰۰۰ Mode بر ۲۰۰۰ Mode بر ۲۰۰۰ Mode بر ۲۰۰۰ Mode بر ۲۰۰۰ Mode بر ۲۰۰۰ Market ۲۰۰۰ Market	Auto FFT. 1[1] 2[1]	(A) - ²⁴ 51 ⁻²⁶ 5[₁₋₂₆ -13]k-4/	2.403 2.400	-1.09 dBn 205000 GH -52.29 dBn 00000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 00000004H 0000044H 0000004H 0000044H 00000000
Ref Level : Att SGL Count ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm Start 2.3006 Marker Type	20.00 dBm 30 dB 100/100 DI -21,601	Offset 9 SWT 22	9.95 dB 27.5 μs	RBW 100 kHz YBW 300 kHz	2 Mode / M M M M M	Auto FFT. 1[1] 2[1]	(A) - ²⁴ 51 ⁻²⁶ 5[₁₋₂₆ -13]k-4/	2.400 2.400	-1.09 dBn 205000 GH -52.29 dBn 00000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 0000004H 00000004H 0000044H 0000004H 0000044H 00000000
Ref Level S Att SGL Count SGL Count ID IPk Max ID 10 dBm 0 -10 dBm - -20 dBm - -30 dBm - -40 dBm - -50 dBm - -60 dBm - -70 dBm - Start 2.306 - Marker - M1 -	20.00 dBm 30 dB 100/100 D1 -21,601	Offset 9 SWT 2: dBm dBm	9.95 dB	RBW 100 kHz VBW 300 kHz 300 kHz 1001 1001 Y-value -1.09 dBi	2 Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT. 1[1] 2[1]	(A) - ²⁴ 51 ⁻²⁶ 5[₁₋₂₆ -13]k-4/	2.403 2.400	-1.09 dBn 205000 GH -52.29 dBn 00000004H MP MP MP 2.406 GHz
Ref Level : Att SGL Count ID dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm Start 2.3006 Marker Type	20.00 dBm 30 dB 100/100 DI -21,601	Offset 9 SWT 2: dBm www.wykwwy www.wykwyy	9.95 dB 27.5 μs	RBW 100 kHz YBW 300 kHz	2 Mode / M M M M M M M M M M M M M M M M M	Auto FFT. 1[1] 2[1]	(A) - ²⁴ 51 ⁻²⁶ 5[₁₋₂₆ -13]k-4/	2.403 2.400	-1.09 dBn 205000 GH -52.29 dBn 00000004H MP MP MP 2.406 GHz
Ref Level SG Att SG Count SG Count In Max 10 dBm 0 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	20.00 dBm 30 dB 100/100 D1 -21,601 4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Offset 9 SWT 23	9.95 dB	RBW 100 kH2 VBW 300 kH2	2 Mode / M M M M M M M M	Auto FFT. 1[1] 2[1]	(A) - ²⁴ 51 ⁻²⁶ 5[₁₋₂₆ -13]k-4/	2.403 2.400	-1.09 dBn 205000 GH -52.29 dBn 00000004H MP MP MP 2.406 GHz
Ref Level S Att SGL Count SGL Count ID 10 dBm 0 0 dBm - -10 dBm - -20 dBm - -30 dBm - -40 dBm - -50 dBm - -70 dBm - Marker - M1 M2 M3 -	20.00 dBm 30 dB 100/100 DI -21,601	Offset 9 SWT 23	9.95 dB 27.5 µs	RBW 100 kHz VBW 300 kHz VBW 300 kHz VBW 300 kHz VE VE VE VE VE VE VE VE VE VE	2 Mode / M M M M M M M M	Auto FFT. 1[1] 2[1]	(A) - ²⁴ 51 ⁻²⁶ 5[₁₋₂₆ -13]k-4/	2.403 2.400	-1.09 dBn 205000 GH -52.29 dBn 00000004H MP MP MP 2.406 GHz



Spectrum		- 0 -	2-DH5 248					Ē
Ref Level 20.00 d	dB SWT		RBW 100 kHz VBW 300 kHz	Mode A	uto FFT			L.
1Pk Max	,							
				M	1[1]		6.00	-2,92 dBm
10 dBm							2.479	97600 GHz
0 dBm	-	-	Mp			-		
			m	m				
-10 dBm				1		1		1
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				1				
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10.00								12.227
-40 dBm		AN	V I		my	· · · · ·		·
-50 dBm		1 V						
mont	mon	~				sound	m	m
-60 dBm	-							
1.4 - 1.						_		
-70 dBm								
100 million -								
CF 2.48 GHz			1001	pts			Spa	n 8.0 MHz
	1		DH5 2480M] No-Hoppii	ng Emissio	n	
Spectrum Ref Level 20.00 d Att 30 SGL Count 100/10	Bm Offset dB SWT	9.95 dB 🍙				ng Emissio	n	
Ref Level 20.00 d Att 30	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /	Auto FFT	ng Emissio	n	
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 100/100	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /		ng Emissio		• -1.69 dBrr 005000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 dBm	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /	Auto FFT	ng Emissio	2.480	-1.69 dBm 05000 GHz 50.11 dBm
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 100/100	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	ng Emissio	2.480	-1.69 dBm
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 dBm	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /	Auto FFT.	ng Emissio	2.480	-1.69 dBm 05000 GHz 50.11 dBm
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 dBm 0 -10 dBm	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /	Auto FFT 1[1]	ng Emissio	2.480	-1.69 dBm 05000 GHz 50.11 dBm
Ref Level 20.00 d Att 30 SGL Count 100/100 IPk Max 10 dBm 0 0 dBm	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /	Auto FFT 1[1]	ng Emissio	2.480	-1.69 dBm 05000 GHz 50.11 dBm
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 dBm 0 0 -10 dBm	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /	Auto FFT 1[1]		2.480	-1.69 dBm 05000 GHz 50.11 dBm
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 dBm 0 0 -10 dBm	Bm Offset dB SWT	9.95 dB 🍙	RBW 100 kHz	Mode /	Auto FFT 1[1]	ng Emissio	2.480	-1.69 dBm 05000 GHz 50.11 dBm
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 dBm 0 0 -10 dBm	Bm Offset dB SWT	9.95 dB	RBW 100 kHz	Mode / M M	Auto FFT.		2.480	-1.69 dBn 05000 GHz 50.11 dBn 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 dBm 0 0 -10 dBm	Bm Offset dB SWT	9.95 dB	RBW 100 kHz	Mode / M M	Auto FFT.		2.480	-1.69 dBn 05000 GHz 50.11 dBn 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 dBm 0 0 -10 dBm	Bm Offset dB SWT	9.95 dB	RBW 100 kHz	Mode / M M	Auto FFT.		2.480	-1.69 dBn 05000 GHz 50.11 dBn 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 1D dBm 0 -10 dBm -0 -20 dBm D1 -22, -30 dBm -40 dBm -40 dBm -40 dBm -30 dBm -40 dBm	Bm Offset dB SWT	9.95 dB	RBW 100 kHz	Mode / M M	Auto FFT.		2.480	-1.69 dBn 05000 GHz 50.11 dBn 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0 -10 dBm	Bm Offset dB SWT	9.95 dB	RBW 100 kHz	Mode / M M M	Auto FFT.		2.480 2.483	-1.69 dBn 05000 GHz 50.11 dBn 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 1D dBm 0 -10 dBm 0 -20 dBm D1 -22, -30 dBm 44 -50 dBm -10 -22, -60 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Bm Offset dB SWT) 916 dBm M3 Humpdoth/My Mk	9.95 dB = 227.5 µs =	RBW 100 kHz VBW 300 kHz	Mode /	Auto FFT.	program of the states	2.480 2.483 	-1.69 dBm 05000 GHz 50.11 dBm 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0 0 dBm 0 -10 dBm 0 -20 dBm 01 -22, -30 dBm 01 -22, -30 dBm -60 dBm -70 dBm -70 dBm	Bm Offset dB SWT 3 916 dBm 916 dBm M3 humbuthymphu X-valu 2.48	9.95 dB = 227.5 µs = 2	RBW 100 kHz VBW 300 kHz	Mode / 	Auto FFT.	program of the states	2.480 2.483	-1.69 dBm 05000 GHz 50.11 dBm 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0 -10 dBm 0 -20 dBm 01 -22 -30 dBm 01 -22 -30 dBm 01 -22 -40 dBm 04 -50 dBm 01 -22 -30 dBm 04 -70 dBm 04 -70 dBm	Bm Offset dB SWT 3 916 dBm 916 dBm M3 humbuthymphu X-valu 2.48	9.95 dB = 227.5 µs = 100000000000000000000000000000000000	RBW 100 kHz VBW 300 kHz	Mode / 	Auto FFT.	program of the states	2.480 2.483 	-1.69 dBm 05000 GHz 50.11 dBm 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0 -10 dBm 0 -20 dBm 01 -22, -30 dBm 01 -22, -30 dBm 01 -22, -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm 1	Bm Offset dB SWT) 916 dBm M3 humphuth/humh X-valu 2.48 2.4	9.95 dB = 227.5 µs = 2	RBW 100 kHz VBW 300 kHz	Mode / 	Auto FFT.	program of the states	2.480 2.483 	-1.69 dBm 05000 GHz 50.11 dBm 56000 GHz
Ref Level 20.00 d Att 30 SGL Count 100/100 1Pk Max 10 10 dBm 0 -10 dBm 0 -20 dBm D1 -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm -60 dBm -70 dBm -70 dBm	Bm Offset dB SWT) 916 dBm M3 humphuth/humh X-valu 2.48 2.4	9.95 dB = 227.5 µs = 227.5 GHz = 22.5 GHz = 2.5 GH	RBW 100 kHz VBW 300 kHz 	Mode / 	Auto FFT.	program of the states	2.480 2.483 	-1.69 dBm 05000 GHz 50.11 dBm 56000 GHz



Ref Level				BW 100 kHz	10.7				
Att	30 dB			BW 300 kHz	Mode A	uto FFT			
SGL Count	100/100				-				
					M	1[1]		-	-1,27 dBm
10 dBm	-					1		2,402	211190 GHz
10 GDIN				1	1.1				
0 dBm			-	N AN	41. X		-		
				my	ind				
-10 dBm					1		1	1	
-20 dBm					-1				
LO GDIII				1					
-30 dBm		-	-						
-			.AA.C		1000	ma			11.111
-40 dBm	1	1	for some						
-50 dBm-							1		
mm	m	num					man	m	mm
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-70 dBm-									
1.1.1.1.1.1				4	£				
									n 8.0 MHz
CF 2.402 G Spectrum Ref Level	JC Bi			1001 DH5 2402M RBW 100 kHz	Hz Ant1) No-Hoppir	ng Emissio	•	
Spectrum Ref Level Att	Bi D 20.00 dBm 30 dB	Offset 9	.95 dB 🝙 F	DH5 2402M	Hz Ant1		ng Emissio	•	
Spectrum Ref Level	Bi D 20.00 dBm 30 dB	Offset 9	.95 dB 🝙 F	DH5 2402M RBW 100 kHz	Hz Ant1 Mode #	Auto FFT	ng Emissio	•	©
Spectrum Ref Level Att SGL Count 1Pk Max	Bi D 20.00 dBm 30 dB	Offset 9	.95 dB 🝙 F	DH5 2402M RBW 100 kHz	Hz Ant1 Mode #		ang Emissio	n	-1.77 dBm
Spectrum Ref Level Att SGL Count	Bi D 20.00 dBm 30 dB	Offset 9	.95 dB 🝙 F	DH5 2402M RBW 100 kHz	Hz Ant1 Mode #	Auto FFT	ag Emissic	on 2.403	-1.77 dBm 215000 GH2 -52.04 dBm
Spectrum Ref Level Att SGL Count 1Pk Max	Bi D 20.00 dBm 30 dB	Offset 9	.95 dB 🝙 F	DH5 2402M RBW 100 kHz	Hz Ant1 Mode #	Auto FFT.	ang Emissic	on 2.403	-1.77 dBm 215000 GHz
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm-	Bi D 20.00 dBm 30 dB	Offset 9	.95 dB 🝙 F	DH5 2402M RBW 100 kHz	Hz Ant1 Mode #	Auto FFT.	ang Emissic	on 2.403	-1.77 dBm 215000 GH2 -52.04 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm- 0 dBm- -10 dBm-	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB 🝙 F	DH5 2402M RBW 100 kHz	Hz Ant1 Mode 4	Auto FFT.	ng Emissic	on 2.403	-1.77 dBm 215000 GH2 -52.04 dBm
Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm-	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB 🝙 F	DH5 2402M RBW 100 kHz	Hz Ant1 Mode 4	Auto FFT.	ng Emissio	on 2.403	-1.77 dBm 215000 GH2 -52.04 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB 🝙 F	DH5 2402M RBW 100 kHz	Hz Ant1 Mode 4	Auto FFT.	ng Emissic	on 2.403	-1.77 dBm 215000 GH2 -52.04 dBm
Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB ε F 7.5 μs ε Υ	DH5 2402M RBW 100 kHz /BW 300 kHz	Mode /	Auto FFT.		on 2.403	-1.77 dBm 215000 GH2 52.04 dBm 000000/8H2
Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB ε F 7.5 μs ε Υ	DH5 2402M RBW 100 kHz /BW 300 kHz	Mode /	Auto FFT.		2.400 2.400	-1.77 dBm 215000 GH2 52.04 dBm 000000/3H2
Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB ε F 7.5 μs ε Υ	DH5 2402M RBW 100 kHz	Mode /	Auto FFT.		2.400 2.400	-1.77 dBm 215000 GH2 52.04 dBm 000000/3H2
Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -60 dBm-	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB ε F 7.5 μs ε Υ	DH5 2402M RBW 100 kHz /BW 300 kHz	Mode /	Auto FFT.		2.400 2.400	-1.77 dBm 215000 GH2 52.04 dBm 000000/3H2
Spectrum Ref Level Att SGL Count ID dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm-	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB ε F 7.5 μs ε Υ	DH5 2402M RBW 100 kHz /BW 300 kHz	Mode /	Auto FFT.		2.400 2.400	-1.77 dBm 215000 GH2 52.04 dBm 000000/3H2
Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -60 dBm-	B: 20.00 dBm 30 dB 100/100	Offset 9 SWT 22	.95 dB ε F 7.5 μs ε Υ	DH5 2402M RBW 100 kHz /BW 300 kHz	Mode A	Auto FFT.		2.400 2.400	-1.77 dBm 215000 GH2 52.04 dBm 000000/3H2
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	B: 20.00 dBm 30 dB 100/100 01 -21.271	Offset 9 SWT 22	1.95 dB = F 7.5 μs = N	DH5 2402M	Mode A	Auto FFT. 1[1] 2[1]	radit or a film of a	2.400 2.400 2.400 5.400	-1.77 dBm 215000 GHz 52.04 dBm 000000/GHz M2 M2 M2 M2 M2 M2 M2 M2 M2
Spectrum Ref Level Att SGL Count 10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -70 dBm- -70 dBm-	B: 20.00 dBm 30 dB 100/100 01 -21.271	Offset 9 SWT 22	1.95 dB = F 7.5 μs = N	DH5 2402M RBW 100 kHz BW 300 kHz	Hz Ant1	Auto FFT. 1[1] 2[1]	radit or a film of a	2.400 2.400	-1.77 dBm 215000 GHz 52.04 dBm 000000/GHz M2 M2 M2 M2 M2 M2 M2 M2 M2
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dB	B: 20.00 dBm 30 dB 100/100 501 -21.271 	Offset 9 SWT 22 dBm dBm x-value 2.402 2	.95 dB = F ?7.5 µs = X	DH5 2402M RBW 100 kHz BW 300 kHz 100	Hz Ant1 Mode / M. M: M: M: M: M: M: M: M: M: M: M: M: M:	Auto FFT. 1[1] 2[1]	radit or a film of a	2.400 2.400 2.400 5.400	-1.77 dBm 215000 GHz 52.04 dBm 000000/GHz M2 M2 M2 M2 M2 M2 M2 M2 M2
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm	Bi 20.00 dBm 30 dB 100/100 201 -21.271 	Offset 9 SWT 22 dBm dBm where y lubb	.95 dB 17.5 µs 17.5 µs 15 GHz	DH5 2402M RBW 100 kHz /BW 300 kHz /BW 300 kHz /BW 300 kHz /BW 300 kHz /BW 300 kHz /BW 100 kHz /BW 100 kHz /BW 100 kHz /BW 100 kHz /BW 100 kHz /BW 100 kHz /BW 300 kHz /BW 100	Hz Ant1	Auto FFT. 1[1] 2[1]	radit or a film of a	2.400 2.400 2.400 5.400	-1.77 dBm 215000 GHz 52.04 dBm 000000/GHz M2 M2 M2 M2 M2 M2 M2 M2



1001 pts 2480MHz /	Anti No-Hoj	pping Emiss	Spa	10390 GH
100 kHz Mo	MI[1]	pping Emiss	Spa	10390 GH
1001 pts 2480MHz A	Ant1 No-Hop		Spa	10390 GH
1001 pts 2480MHz A	Ant1 No-Hop		Spa	n 8.0 MHz
1001 pts 2480MHz A	Ant1 No-Hop		Spa	10390 GH
1001 pts 2480MHz A	ode Auto FF1		Spa	h
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1001 pts 2480MHz A	ode Auto FF1			
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ioo kHz Mi		т		
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	M1[1]			
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				15000 GH
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1001 ntc		-	Stop 1	2.576 GHz
roorpes			acup .	2.070 GHZ
lue	Function	Fu	nction Result	
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.30 dBm				
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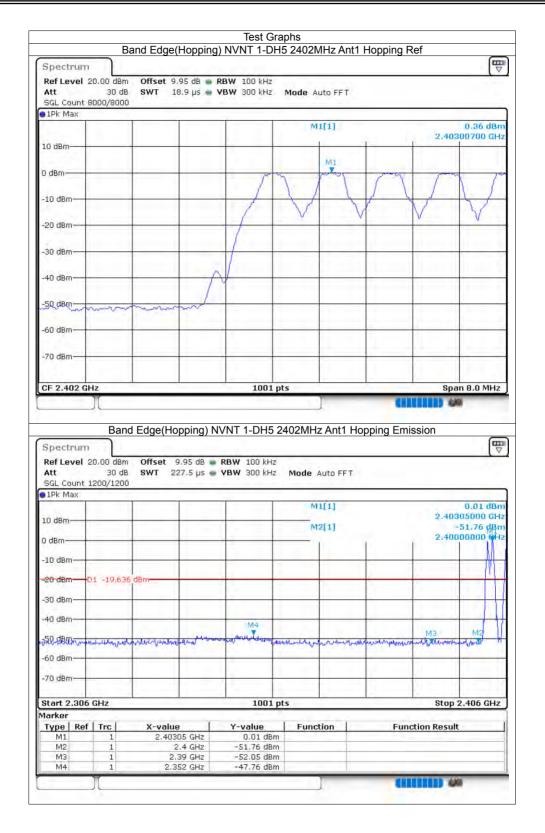




8.7 Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-48.12	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-49.12	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-47.15	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-46.13	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-46.02	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-48.28	-20	Pass







Certificate #4298.01

Spectrum		- (g) NVNT 1-D					Ę
Ref Level Att SGL Count	20.00 dBm 30 dB	SWT 18		RBW 100 kHz VBW 300 kHz		uto FFT			
01Pk Max		-	r	1					
					M	1[1]		2,480	-0.54 dB
10 dBm		-							
D dBm	_		1	M	1				
	m	m	1	m m	7				
-10 dBm	1	1	1		<u> </u>	-	-		
V	1	1	V	V		_			_
-20 dBm					1				1
-30 dBm		-		1	1	-			
			1	1	١	~		1	12.2.1
-40 dBm		1					-		
-50 dBm-								n/	1
-60 dBm	-	1		1		-	-		1
-70 dBm							-		
-70 dBm			1			1			
							-	· · · · · ·	
CF 2.48 GH)(Ban			1001	2480MH] z Ant1 F	lopping Emi		8
Spectrum Ref Level Att	Ban 20.00 dBm 30 dE	Offset 9 SWT 22	9.95 dB 🖷		2480MH				8
Spectrum Ref Level	Ban 20.00 dBm 30 dE	Offset 9 SWT 22	9.95 dB 🖷	VNT 1-DH5	2480MH				in 8.0 MH2
Spectrum Ref Level Att SGL Count 1Pk Max	Ban 20.00 dBm 30 dE	Offset 9 SWT 22	9.95 dB 🖷	VNT 1-DH5	2480MH z z Mode			ssion	-0.78 dBi
Spectrum Ref Level Att SGL Count	Ban 20.00 dBm 30 dE	Offset 9 SWT 22	9.95 dB 🖷	VNT 1-DH5	2480MH 2 2 Mode M	Auto FFT.		ssion 2.476	-0.78 dBi 505000 GH 51.84 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 1 0 dBm	Ban 20.00 dBm 30 dE	Offset 9 SWT 22	9.95 dB 🖷	VNT 1-DH5	2480MH 2 2 Mode M	Auto FFT		ssion 2.476	-0.78 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm- 1	Ban 20.00 dBm 30 dE	Offset 9 SWT 22	9.95 dB 🖷	VNT 1-DH5	2480MH 2 2 Mode M	Auto FFT		ssion 2.476	-0.78 dBi 505000 GH 51.84 dBi
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 10 dBm 10 dBm	Ban 20.00 dBm 30 dE) Offset 9 SWT 22	9.95 dB 🖷	VNT 1-DH5	2480MH 2 2 Mode M	Auto FFT		ssion 2.476	-0.78 dBi 505000 GH 51.84 dBi
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 10 dBm 10 dBm	Ban 20.00 dBm 30 dE 1200/1200) Offset 9 SWT 22	9.95 dB 🖷	VNT 1-DH5	2480MH 2 2 Mode M	Auto FFT		ssion 2.476	-0.78 dBi 505000 GH 51.84 dBi
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm 10 dBm -20 dBm -20 dBm -30 gBm	Ban 20.00 dBm 30 dE 1200/1200) Offset 9 SWT 22	9.95 dB 🖷	VNT 1-DH5	2480MH 2 2 Mode M	Auto FFT		ssion 2.476	-0.78 dBi 505000 GH 51.84 dBi
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 10 dBm 10 dBm -20 dBm -30 cBm -40 dpm	Ban 20.00 dBm 30 dE 1200/1200) Offset 9 SWT 22	9.95 dB	NVNT 1-DH5 RBW 100 kH VBW 300 kH	2480MH	Auto FFT		2.476 2.483	-0.78 dBa io55000 GH 51.84 dBa 556000 GH
Spectrum Ref Level Att SGL Count 10 dBm 10 dBm 10 dBm 10 dBm -20 dBm -30 dBm -40 dBm	Ban 20.00 dBm 30 dE 1200/1200	0 Offset 9 8wT 22 7 dBm	9.95 dB	NVNT 1-DH5 RBW 100 kH VBW 300 kH	2480MH	Auto FFT		2.476 2.483	-0.78 dBi 505000 GH 51.84 dBi
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 10 dBm 10 dBm -20 dBm -30 cBm -40 dpm	Ban 20.00 dBm 30 dE 1200/1200	7 dBm	9.95 dB	NVNT 1-DH5 RBW 100 kH VBW 300 kH	2480MH	Auto FFT		2.476 2.483	-0.78 dBa io55000 GH 51.84 dBa 556000 GH
Spectrum Ref Level Att SGL Count 10 dBm 10 dBm 10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm	Ban 20.00 dBm 30 dE 1200/1200	7 dBm	9.95 dB	NVNT 1-DH5 RBW 100 kH VBW 300 kH	2480MH	Auto FFT		2.476 2.483	-0.78 dBa io55000 GH 51.84 dBa 556000 GH
Spectrum Ref Level Att SGL Count 10 dBm 10 dBm 20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	Ban 20.00 dBm 30 dE 1200/1200	7 dBm	9.95 dB	NVNT 1-DH5 RBW 100 kH YBW 300 kH	2480MH	Auto FFT		2.476 2.483	-0.78 dBi 605000 GH 51.84 dBi 50000 GH
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm ddBm 20 dBm -20 dBm -30 cBm -30 cBm -50 dBm -70 dBm -70 dBm Start 2.4766 Marker	Ban 20.00 dBm 30 dE 1200/1200	Offset 9 SWT 22 7 68m Mts 1	9.95 dB 27.5 µs	NVNT 1-DH5 RBW 100 kH: VBW 300 kH: 1001	22480MH	Auto FFT.	ungurenterature	2.476 2.483	-0.78 dBi 05000 GF 51.84 dBi 25000 GF
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -0 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.4766 Marker Type Ref	Ban 20.00 dBm 30 dE 1200/1200 D1 -20,53	7 dBm	9.95 dB	NVNT 1-DH5 RBW 100 kH VBW 300 kH 00 kH 100 kH 1001 Y-value	2480MH	Auto FFT.	ungurenterature	2.476 2.483	-0.78 dBi 05000 GF 51.84 dBi 25000 GF
Spectrum Ref Level Att SGL Count 10 dBm 10 dBm 20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.476 Marker Type Ref M1 M2	Ban 20.00 dBm 30 dB 1200/1200 01 -20.53 00 -20.55 00 -20	Offset 9 SWT 22 7 28 7 28 7 28 7 28 7 29 7 29 7 29 7 20 80 20 80 20 80 20 80 20 20 80 20 </td <td>9.95 dB 27.5 µs</td> <td>NVNT 1-DH5 RBW 100 kH: VBW 300 kH: VBW 300 kH: 1001 V-value -0.78 dB -51.84 dB</td> <td>2480MH</td> <td>Auto FFT.</td> <td>ungurenterature</td> <td>2.476 2.483</td> <td>-0.78 dBi 05000 GF 51.84 dBi 25000 GF</td>	9.95 dB 27.5 µs	NVNT 1-DH5 RBW 100 kH: VBW 300 kH: VBW 300 kH: 1001 V-value -0.78 dB -51.84 dB	2480MH	Auto FFT.	ungurenterature	2.476 2.483	-0.78 dBi 05000 GF 51.84 dBi 25000 GF
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -70 dBm -70 dBm -70 dBm -70 dBm Start 2.476 Marker Type Ref M1	Ban 20.00 d8m 30 d8 1200/1200 01 -20.53	Offset 9 SWT 22 7 8 8 8 8 8 8 8 8 8	9.95 dB 27.5 µs	NVNT 1-DH5 RBW 100 kH: VBW 300 kH: VBW 300 kH: 100 kH: VBW 300 kH: 100 kH: VBW 300 kH: VBW 300 kH: 100 kH: VBW 300 kH: 100 kH:	2480MH	Auto FFT.	ungurenterature	2.476 2.483	-0.78 dBi 05000 GF 51.84 dBi 25000 GF



Spectrun	0			NVNT 2-DH		-			E
Ref Level Att SGL Count	20.00 dBn 30 dl	B SWT 18		BW 100 kHz BW 300 kHz	Mode A	uto FFT			
1Pk Max	0000/000								
					M	1[1]		-	-0,90 dBm
10 dBm							r l	2.402	204000 GHa
10 UBIII-				1 m					
0 dBm				MII					
				m	m	month	mony	m	mon
-10 dBm		-	-						
-20 dBm			-		-			-	
6.7.10								1	1
-30 dBm		-							
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						1			
-70 dBm								-	
CF 2.402 0	GHz	1 1	-	1001 p	ts	_	-	Spa	an 8.0 MHz
	Bar	nd Edge(Hop	oping) N\	/NT 2-DH5 2	2402MH:] z Ant1 Ho	pping Emi	ssion	•
Spectrun Ref Level	n				2402MH] <u>z Ant1 Ho</u>	pping Emi	ssion	
Ref Level Att	n 20.00 dBr 30 dl	n Offset 9. B SWT 22	.95 dB 🍙 I	/NT 2-DH5 2 RBW 100 kHz YBW 300 kHz			pping Emi	ssion	• [₩
Ref Level Att SGL Count	n 20.00 dBr 30 dl	n Offset 9. B SWT 22	.95 dB 🍙 I	RBW 100 kHz			pping Emi	ssion	0 (₩ ▽
Ref Level Att	n 20.00 dBr 30 dl	n Offset 9. B SWT 22	.95 dB 🍙 I	RBW 100 kHz	Mode /		pping Emi	ssion	-2.02 dBm
Ref Level Att SGL Count	n 20.00 dBr 30 dl	n Offset 9. B SWT 22	.95 dB 🍙 I	RBW 100 kHz	Mode) M	Auto FFT.	pping Emi	2.400	-2.02 dBm 385000 GHz
Ref Level Att SGL Count 1Pk Max	n 20.00 dBr 30 dl	n Offset 9. B SWT 22	.95 dB 🍙 I	RBW 100 kHz	Mode) M	Auto FFT	pping Emi	2.400	-2.02 dBn 385000 GH2 -51.17 dBn
Ref Level Att SGL Count 1Pk Max	n 20.00 dBr 30 dl	n Offset 9. B SWT 22	.95 dB 🍙 I	RBW 100 kHz	Mode) M	Auto FFT.	pping Emi	2.400	-2.02 dBm 385000 GHz
Ref Level Att SGL Count 1Pk Max	n 20.00 dBr 30 dl	n Offset 9. B SWT 22	.95 dB 🍙 I	RBW 100 kHz	Mode) M	Auto FFT.	pping Emi	2.400	-2.02 dBn 385000 GHz -51.17 dBn 300000 SHz
Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBn 30 di 1200/120	n Offset 9 B SWT 22 D	.95 dB 🍙 I	RBW 100 kHz	Mode) M	Auto FFT.	pping Emi	2.400	-2.02 dBn 385000 GHz -51.17 dBn 300000 SHz
Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBn 30 di 1200/120	n Offset 9 B SWT 22 D	.95 dB 🍙 I	RBW 100 kHz	Mode) M	Auto FFT.	pping Emi	2.400	-2.02 dBn 385000 GHz -51.17 dBn 300000 SHz
Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBn 30 di 1200/120	n Offset 9 B SWT 22 D	.95 dB 🍙 I	RBW 100 kHz	Mode) M	Auto FFT.		2.400	-2.02 dBn 385000 GHz -51.17 dBn 300000 SHz
Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBn 30 di 1200/120	n Offset 9 B SWT 22 D	95 dB \min I	RBW 100 kHz	Mode) M	Auto FFT.		2.400	-2.02 dBn 385000 GHz -51.17 dBn 300000 SHz
Ref Level Att SGL Count SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBn 30 di 1200/120	n Offset 9, B SWT 222 0	95 dB 7.5 μs 1	RBW 100 kHz VBW 300 kHz	Mode J M M	Auto FFT		2.400 2.400	-2.02 dBn 385000 GH2 -51.17 dBn 000000 dH2
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBn 30 di 1200/120	n Offset 9 B SWT 22 D	95 dB 7.5 μs 1	RBW 100 kHz VBW 300 kHz	Mode J M M	Auto FFT		2.400 2.400	-2.02 dBn 385000 GH2 -51.17 dBn 000000 dH2
Ref Level Att SGL Count SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBn 30 di 1200/120	n Offset 9, B SWT 222 0	95 dB 7.5 μs 1	RBW 100 kHz VBW 300 kHz	Mode J M M	Auto FFT		2.400 2.400	-2.02 dBn 385000 GH2 -51.17 dBn 000000 dH2
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBn 30 di 1200/120	n Offset 9, B SWT 222 0	95 dB 7.5 μs 1	RBW 100 kHz VBW 300 kHz	Mode J M M	Auto FFT		2.400 2.400	-2.02 dBn 385000 GH2 -51.17 dBn 000000 dH2
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm	n 20.00 dBn 30 dl 1200/120	n Offset 9, B SWT 222 0	95 dB 7.5 μs 1	RBW 100 kHz	Mode . M M	Auto FFT		2.400 2.400 M3 M3	-2.02 dBn 385000 GH2 -51.17 dBn 000000 GH2
Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.300	n 20.00 dBn 30 dl 1200/120	n Offset 9, B SWT 222 0	95 dB 7.5 μs 1	RBW 100 kHz VBW 300 kHz	Mode . M M	Auto FFT		2.400 2.400 M3 M3	-2.02 dBn 385000 GH2 -51.17 dBn 000000 dH2
Ref Level Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 ABm -60 dBm -70 dBm Start 2.300 Marker	0 20.00 dBn 30 dl 1200/120 01 -20,90	n Offset 9 B SWT 22 0	.95 dB	RBW 100 kHz	Mode M M M M	Auto FFT.		2.400 2.400 M3 M3 Stop	-2.02 dBn 385000 GH2 -51.17 dBn 000000 GH2 ////////////////////////////////////
Ref Level Att SGL Count SGL Count SGL Count SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm Start 2.300 Marker Type Re M1	20.00 dBr 30 dl 1200/120 DI -20,90 ed.ev.b.to.,70 6 GHz f Trc 1	n Offset 9, 8 SWT 22 0 13 dBm 13 dBm 14 SWT 22 0 14 SWT 22 0 15 SWT 22 0 15 SWT 22 0 16 SWT 22 0 17 SWT 22 17 SWT	95 dB 1 7.5 µs 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RBW 100 kHz VBW 300 kHz	Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT.		2.400 2.400 M3 M3	-2.02 dBn 385000 GH2 -51.17 dBn 000000 GH2 ////////////////////////////////////
Ref Level Att SGL Count SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.30 Marker Type Re M1 M2	20.00 dBn 30 dl 1200/120 01 -20,90 	m Offset 9 B SWT 22 0 13 dBm 13 dBm 14 dBm 15 dBm 16 dBm 17 dBm 17 dBm 18 dBm 1	95 dB • 1 7.5 µs • 1 	RBW 100 kHz VBW 300 kHz 100 kHz 10	Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT.		2.400 2.400 M3 M3 Stop	-2.02 dBn 385000 GH2 -51.17 dBn 000000 GH2 ////////////////////////////////////
Ref Level Att SGL Count SGL Count SGL Count SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm Start 2.300 Marker Type Re M1	20.00 dBr 30 dl 1200/120 DI -20,90 ed.ev.b.to.,70 6 GHz f Trc 1	n Offset 9 B SWT 22: 0 13 dBm 13 dBm X-value 2.4038 2.3	95 dB • 1 7.5 µs • 1 	RBW 100 kHz VBW 300 kHz	Mode M M M M M M M M M M M M M M M M M M	Auto FFT.		2.400 2.400 M3 M3 Stop	-2.02 dBn 385000 GH2 -51.17 dBn 000000 GH2 ////////////////////////////////////



Att 30	ALL PROPERTY OF ALL PROPERTY O	RBW 100 kHz VBW 300 kHz	Mode Auto FFT			(Ę
SGL Count 8000/80 9 1Pk Max	000					
			M1[1]		-	-2,25 dBr
10 dBm				1	2.47	885710 GH
10 0.011						
0 dBm	M1					
mont	mun	moun	m			
-10 dBm	Ť.		1			-
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-20 abiii						
-30 dBm				_		-
					1	11
-40 dBm	1		how	1		
-50 dBm						
UU UUM				muni	mile	have
-60 dBm		-		-	-	*
1.6						
-70 dBm					1	
CF 2.48 GHz		1001 pt			Sna	an 8.0 MHz
Spectrum	and Edge(Hopping)	NVNT 2-DH5 24		lopping Emi		8
Spectrum Ref Level 20.00 di Att 30	Bm Offset 9.95 dB dB SWT 227.5 µs s	NVNT 2-DH5 24	480MHz Ant1 H			۳ ۳
Spectrum Ref Level 20.00 d	Bm Offset 9.95 dB dB SWT 227.5 µs s	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H Mode Auto FFT			8
Spectrum Ref Level 20.00 d Att 30 SGL Count 1200/12 1Pk Max	Bm Offset 9.95 dB dB SWT 227.5 µs s	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H		ssion	-2.86 dBr
Spectrum Ref Level 20.00 dl Att 30 SGL Count 1200/12 IPk Max 10 dBm 10 dBm	Bm Offset 9.95 dB dB SWT 227.5 µs s	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H Mode Auto FFT		ssion 2.47	-2.86 dBr 875000 GH -48.50 dBr
Spectrum Ref Level 20.00 di Att 30 SGL Count 1200/12 IPk Max 10 dBm 0 dBm 0 dBm	Bm Offset 9.95 dB dB SWT 227.5 µs s	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H Mode Auto FFT		ssion 2.47	-2.86 dBr 875000 GH
Spectrum Ref Level 20.00 dl Att 30 SGL Count 1200/12 IPk Max 10 dBm 10 dBm	Bm Offset 9.95 dB dB SWT 227.5 µs s	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H Mode Auto FFT		ssion 2.47	-2.86 dBr 875000 GH -48.50 dBr
Spectrum Ref Level 20.00 di Att 30 SGL Count 1200/12 • 1Pk Max • 10 dBm • 10 dBm • 10 dBm	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H Mode Auto FFT		ssion 2.47	-2.86 dBr 875000 GH -48.50 dBr
Spectrum Ref Level 20.00 di Att 30 SGL Count 1200/12 • 1Pk Max • 1D dBm • 10 dBm • 20 dBm • 01 -22.3	Bm Offset 9.95 dB dB SWT 227.5 µs s	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H Mode Auto FFT		ssion 2.47	-2.86 dBr 875000 GH -48.50 dBr
Spectrum Ref Level 20.00 dl Att 30 SGL Count 1200/12 IPk Max 10 dBm	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H Mode Auto FFT		ssion 2.47	-2.86 dBr 875000 GH -48.50 dBr
Spectrum Ref Level 20.00 di Att 30 SGL Count 1200/12 • 1Pk Max • 1D dBm • 10 dBm • 20 dBm • 01 -22.3	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24 RBW 100 kHz	480MHz Ant1 H Mode Auto FFT		ssion 2.47	-2.86 dBr 875000 GH -48.50 dBr
Spectrum Ref Level 20.00 di Att 30 SGL Count 1200/12 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -40 dBm -40 dBm	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24 RBW 100 kHz VBW 300 kHz	480MHz Ant1 H Mode Auto FFT		2.471 2.481	-2.86 dBr 875000 GH -48.50 dBr
Spectrum Ref Level 20.00 d Att 30 SGL Count 1200/12 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -40 dBm -40 dBm -40 dBm	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24 RBW 100 kHz VBW 300 kHz	480MHz Ant1 H Mode Auto FFT M1[1] M2[1]		2.471 2.481	-2.86 dBr 875000 GH -48.50 dBr 350000 GH
Spectrum Ref Level 20.00 dl Att 30 SGL Count 1200/12 TPk Max 10 dBm 0'dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24 RBW 100 kHz VBW 300 kHz	480MHz Ant1 H Mode Auto FFT M1[1] M2[1]		2.471 2.481	-2.86 dBr 875000 GH -48.50 dBr 350000 GH
Spectrum Ref Level 20.00 di Att 30 SGL Count 1200/12 IPk Max 10 dBm d'dbm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24 RBW 100 kHz VBW 300 kHz	480MHz Ant1 H Mode Auto FFT M1[1] M2[1]		2.471 2.481	-2.86 dBr 875000 GH -48.50 dBr 350000 GH
Spectrum Ref Level 20.00 dl Att 30 SGL Count 1200/12 TPk Max 10 dBm 0'dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24 RBW 100 kHz VBW 300 kHz	480MHz Ant1 H Mode Auto FFT M1[1] M2[1]		2.471 2.485	-2.86 dBr 875000 GH -48.50 dBr 350000 GH
Spectrum Ref Level 20.00 di Att 30 SGL Count 1200/12 IPk Max 10 dBm d'dbm d'dbm d'dbm d'dbm d'dbm d'dbm d'dbm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.476 GHz Marker	Bm Offset 9.95 dB dB SWT 227.5 µs 200 249 dBm 	NVNT 2-DH5 24	480MHz Ant1 H Mode Auto FFT M1[1] M2[1]		2.474 2.483	-2.86 dB/ 375000 GH
Spectrum Ref Level 20.00 dl Att 30 SGL Count 1200/12 IPk Max 10 dBm	Bm Offset 9.95 dB dB SWT 227.5 μs 200	NVNT 2-DH5 24	480MHz Ant1 H Mode Auto FFT M1[1] M2[1]		2.471 2.485	-2.86 dB/ 375000 GH
Spectrum Ref Level 20.00 dl Att 30 SGL Count 1200/12 IPk Max 10 dBm	Bm Offset 9.95 dB dB SWT 227.5 µs 200 249 dBm ини им 4 сули и ини ини им 4 сули и ини 249 dBm ини им 4 сули и ини 2.47875 GHz 2.47875 GHz	NVNT 2-DH5 24	480MHz Ant1 H Mode Auto FFT M1[1] M2[1]		2.474 2.483	-2.86 dB/ 375000 GH
Spectrum Ref Level 20.00 dl Att 30 SGL Count 1200/12 The Max 10 dBm 10 dBm -10 dBm -20 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm	Bm Offset 9.95 dB dB SWT 227.5 µs 200 249 dBm 249 dBm M3 ини м/м були структу мара ини м/м були структу мара	NVNT 2-DH5 24	480MHz Ant1 H Mode Auto FFT M1[1] M2[1]		2.474 2.483	-2.86 dB/ 375000 GH



Spectrum									(The second seco
	30 dB			RBW 100 kHz /BW 300 kHz	Mode Au	ito FFT	_		
1Pk Max	000/0000								
					MJ	[1]		-	-0.79 dBr
10 40-						-		2,405	10090 GH
10 dBm			1	1.000		1			
0 dBm			1	1			-	MI	
				m	mm	my	much	mon	non
-10 dBm				F				*	~~
-20 dBm	-	-	-		-				-
5.5 m	_							1	
-30 dBm	-			1					
40 dbm			nom	1					
-40 dBm			1						
-50 dBm			1		1.1				
comp	man								
-60 dBm			-				_		
-70 dBm	-			-	-				
					1.1			-	
2.000 000000000000000000000000000000000									1.
CF 2.402 GH	<u> </u>	Edge(Ho	opping) N	1001		Ant1 Hop	oping Emis		n 8.0 MHz
Spectrum Ref Level 20 Att	Band	Offset	9.95 dB 🖷		2402MHz		oping Emis		n 8.0 MHz
Spectrum Ref Level 20 Att SGL Count 12	Band	Offset	9.95 dB 🖷	VNT 3-DH5	2402MHz		oping Emis		
Spectrum Ref Level 20 Att SGL Count 12	Band	Offset	9.95 dB 🖷	VNT 3-DH5	2402MHz Mode A		oping Emis	ssion	-1.02 dBr
Spectrum Ref Level 20 Att	Band	Offset	9.95 dB 🖷	VNT 3-DH5	2402MHz Mode A	uto FFT.	oping Emis	2.405	-1.02 dBr 95000 GH
Spectrum Ref Level 20 Att SGL Count 12 1Pk Max	Band	Offset	9.95 dB 🖷	VNT 3-DH5	2402MHz Mode A	uto FFT	oping Emis	2.405	-1.02 dBr 95000 GH 52.93 dBr 06000 GH
Spectrum Ref Level 20 Att SGL Count 12 1Pk Max 10 dBm	Band	Offset	9.95 dB 🖷	VNT 3-DH5	2402MHz Mode A	uto FFT.	oping Emis	2.405	-1.02 dBr 95000 GH 52.93 dBr
Spectrum Ref Level 20 Att SGL Count 12 IPk Max 10 dBm -10 dBm -10 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB 🖷	VNT 3-DH5	2402MHz Mode A	uto FFT.	oping Emis	2.405	-1.02 dBr 95000 GH 52.93 dBr 06000 GH
Spectrum Ref Level 20 Att SGL Count 12 1Pk Max 10 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB 🖷	VNT 3-DH5	2402MHz Mode A	uto FFT.	oping Emis	2.405	-1.02 dBr 95000 GH 52.93 dBr 06000 GH
Spectrum Ref Level 20 Att SGL Count 12 IPk Max 10 dBm -10 dBm -10 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB 🖷	VNT 3-DH5	2402MHz Mode A	uto FFT.	oping Emis	2.405	-1.02 dBr 95000 GH 52.93 dBr 06000 GH
Spectrum Ref Level 20 Att SGL Count 12 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB 🖷	VNT 3-DH5 RBW 100 kHz VBW 300 kHz	2402MHz Mode A	uto FFT.	oping Emis	2.405	-1.02 dBr 95000 GH 52.93 dBr 06000 GH
Spectrum Ref Level 20 Att SGL Count 12 1Pk Max 10 dBm -10 dBm -20 dBm 01	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB 🖷	VNT 3-DH5	2402MHz Mode A	uto FFT.		2.405 2.400	-1.02 dBr 95000 GH 52.93 dBr 00000 QH
Spectrum Ref Level 20 Att SGL Count 12 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB = 27.5 µs =	VNT 3-DH5 RBW 100 kHz VBW 300 kHz	2402MHz Mode A M1	uto FFT [1] [1]		2.405 2.400	-1.02 dBr 95000 GH 52.93 dBr 06000 GH
Spectrum Ref Level 20 Att SGL Count 12 SGL Count 12 ID dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB = 27.5 µs =	VNT 3-DH5 RBW 100 kHz VBW 300 kHz	2402MHz Mode A M1	uto FFT [1] [1]		2.405 2.400	-1.02 dBr 55.000 GH 52.93 dBr 00000 GH
Spectrum Ref Level 20 Att SGL Count 12 SGL Count 12 IPk Max ID dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -59 dBm -60 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB = 27.5 µs =	VNT 3-DH5 RBW 100 kHz VBW 300 kHz	2402MHz Mode A M1	uto FFT [1] [1]		2.405 2.400	-1.02 dBr 55.000 GH 52.93 dBr 00000 GH
Spectrum Ref Level 20 Att SGL Count 12 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB = 27.5 µs =	VNT 3-DH5 RBW 100 kHz VBW 300 kHz	2402MHz Mode A M1	uto FFT [1] [1]		2.405 2.400	-1.02 dBr 55.000 GH 52.93 dBr 00000 GH
Spectrum Ref Level 20 Att SGL Count 12 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm -70 dBm -70 dBm	Band 0.00 dBm 30 dB 200/1200	Offset SWT 2	9.95 dB = 27.5 µs =	VNT 3-DH5 RBW 100 kHz VBW 300 kHz	2402MHz	uto FFT [1] [1]		2.405 2.400	-1.02 dBr 55.000 GH 52.93 dBr 00000 GH
Spectrum Ref Level 20 Att SGL Count 12 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Band 0.00 dBm 30 dB 200/1200 1 -20,789 2 -20,789 3	Offset SWT 2	9.95 dB = 27.5 µs =	VNT 3-DH5 RBW 100 kHz VBW 300 kHz VBW 300 kHz M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	2402MHz	uto FFT.	unger or go had AS	2.405 2.400	-1.02 dBr 95000 GH 52.93 dBr 00000 GH /\//
Spectrum Ref Level 20 Att SGL Count 12 IPk Max 1D dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm Start 2.306 C Mat	Band 0.00 dBm 30 dB 200/1200 L -20,789 Control L SHz Trc 1	Offset SWT 2	9.95 dB = 27.5 µs =	VNT 3-DH5 RBW 100 kHz VBW 300 kHz	2402MHz Mode A MI M2	uto FFT.	unger or go had AS	2.405 2.400	-1.02 dBr 95000 GH 52.93 dBr 00000 GH /\//
Spectrum Ref Level 20 Att SGL Count 12 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.306 C Marker Type M1	Band 0.00 dBm 30 dB 200/1200 1 -20,789 4 -20,789 5Hz 5Hz 1	Offset SWT 2 dBm dBm x-value 2.405	9.95 dB = 27.5 µs = 27.5 µ	VNT 3-DH5 RBW 100 kHz VBW 300 kHz MH MH 1001 Y-value -1.02 dBm -52.93 dBm	2402MHz	uto FFT.	unger or go had AS	2.405 2.400	-1.02 dBr 95000 GH 52.93 dBr 00000 GH /\//
Spectrum Ref Level 20 Att SGL Count 12 IPk Max 1D dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm Start 2.306 C Mat	Band 0.00 dBm 30 dB 200/1200 L -20,789 Control L SHz Trc 1	Offset SWT 2 dBm dBm x-value 2.405	9,95 dB	VNT 3-DH5 RBW 100 kHz VBW 300 kHz M4 M4 M4 M4 1001 J 1001 J Y-value -1.02 dBm	2402MHz Mode A MI M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto FFT.	unger or go had AS	2.405 2.400	-1.02 dBr 95000 GH 52.93 dBr 00000 GH /\//



Spectrum Ref Level 2	0.00 dBm	Offset 9.95	dB 🐞 R	NVNT 3-DH	10.7.				
Att SGL Count 8	30 dB	SWT 18.9	µs 🖷 🗸	BW 300 kHz	Mode A	uto FFT			
01Pk Max									
					M	1[1]			-1.72 dBr
10 dBm							1	2.47	609990 GH
10 0.0.11									
dBm-									
my m	my	mm	N	mm	m				
-10 dBm	v		2		1				
-20 dBm		-					-		1
1000					7				
-30 dBm	-					1			
10.00	1000					M			12.2.3
-40 dBm	1					×	h		
EQ do-								m	
-50 dBm								1.0	where
-60 dBm									
as april				· · · · · · · · · · · · · · · · · · ·					
-70 dBm							· · · · · · · · · · · · · · · · · · ·		
						11			1.000
CF 2.48 GHz				1001 p				0	0.0 1011
UF 2.40 GHZ	-			1001	JLS			ahe	an 8.0 MHz
Spectrum			-	VNT 3-DH5 2	2480MH;] z Ant1 Ho	opping Emis	ssion	₩
Spectrum Ref Level 2 Att SGL Count 1	0.00 dBm 30 dB	Offset 9.95	5 dB 🖷	VNT 3-DH5 2 RBW 100 kHz YBW 300 kHz			opping Emi	ssion	₩ (₩
Ref Level 2 Att	0.00 dBm 30 dB	Offset 9.95	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.	opping Emis	ssion	
Ref Level 2 Att SGL Count 1 1Pk Max	0.00 dBm 30 dB	Offset 9.95	5 dB 🖷	RBW 100 kHz	Mode /		opping Emis		-2.86 dBr
Ref Level 2 Att SGL Count 1	0.00 dBm 30 dB	Offset 9.95	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.	opping Emis	2.48	
Ref Level 2 Att SGL Count 1 1Pk Max	0.00 dBm 30 dB	Offset 9.95	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.	opping Emi	2.48	-2.86 dBr 015000 GH
Ref Level 2 Att SGL Count 1 1Pk Max 1D dBm 0 dBm	0.00 dBm 30 dB	Offset 9.95	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.	opping Emis	2.48	-2.86 dBr 015000 GH -51.36 dBr
Ref Level 2 Att SGL Count 1 1Pk Max 1D dBm	0.00 dBm 30 dB	Offset 9.95	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.		2.48	-2.86 dBr 015000 GH -51.36 dBr
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm	0.00 dBm 30 dB	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.		2.48	-2.86 dBr 015000 GH -51.36 dBr
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm	0.00 dBm 30 dB 200/1200	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.		2.48	-2.86 dBr 015000 GH -51.36 dBr
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	0.00 dBm 30 dB 200/1200	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.		2.48	-2.86 dBr 015000 GH -51.36 dBr
Ref Level 2 Att SGL Count 1 SGL Count 1 1 IPk Max 0 dBm 0 dBm - 0 dBm -10 dBm - 0 - -30 dBm - - - -40 dBm - - -	0.00 dBm 30 dB 200/1200	Offset 9.9 SWT 227.3	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT.		2.48	-2.86 dBr 015000 GH -51.36 dBr
Ref Level 2 Att SGL Count 1 1Pk Max 1D dBm 0 dBm -1D dBm -20 dBm -30 dBm -40 dBm	0.00 dBm 30 dB 200/1200 1 -21.718	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz YBW 300 kHz	Mode /	Auto FFT		2.48	-2.86 dBr 015000 GH -51.36 dBr
Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -50 dBm	0.00 dBm 30 dB 200/1200 1 -21.718	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz	Mode /	Auto FFT		2.48	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 1Pk Max 1D dBm 0 dBm -1D dBm -20 dBm -30 dBm -40 dBm	0.00 dBm 30 dB 200/1200 1 -21.718	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz YBW 300 kHz	Mode /	Auto FFT		2.48	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 IPk Max 10 dBm 0 dBm -20 dBm -30 dBm -40 dBm -50 dBm	0.00 dBm 30 dB 200/1200 1 -21.718	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz YBW 300 kHz	Mode /	Auto FFT		2.48	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 cBm -30 dBm -40 dBm -50 dB(P0, KA) -60 dBm	0.00 d8m 30 d8 200/1200 1 -21.718	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz	Mode / M M	Auto FFT		2.48 2.48	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.476	0.00 d8m 30 d8 200/1200 1 -21.718	Offset 9.93 SWT 227.3	5 dB 🖷	RBW 100 kHz YBW 300 kHz	Mode / M M	Auto FFT		2.48 2.48	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.476 Marker	0.00 dBm 30 dB 200/1200 1 -21.718 M4 GHz	M3	5 dB 🖷	RBW 100 kHz YBW 300 kHz	Mode / M M M	Auto FFT 1[1] 2[1]	- mar day or had	2.48 2.48 	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 SGL Count 1 1 IPk Max 0 dBm 10 dBm - 0 dBm -10 dBm - - - -30 dBm - 0 - -50 dBm - 0 - -60 dBm - - - -70 dBm - - Start 2.476 Marker Type Ref M1	0.00 dBm 30 dB 200/1200 1 -21.718 M4 GHz GHz	Offset 9.93 SWT 227.3	5 dB 5 μs 5 μs	RBW 100 kHz VBW 300 kHz 	Mode / M M M	Auto FFT 1[1] 2[1]	- mar day or had	2.48 2.48	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Start 2.476 Marker Type Ref M1	0.00 dBm 30 dB 200/1200 1 -21.718 M4 GHz GHz	Offset 9,99 SWT 227.3	5 dB 5 μs	RBW 100 kHz VBW 300 kHz	Mode / 	Auto FFT 1[1] 2[1]	- mar day or had	2.48 2.48 	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 SGL Count 1 1 IPk Max 0 dBm 10 dBm - 0 dBm -10 dBm - - - -30 dBm - 0 - -50 dBm - 0 - -60 dBm - - - -70 dBm - - Start 2.476 Marker Type Ref M1	0.00 dBm 30 dB 200/1200 1 -21.718 M4 GHz GHz	Offset 9.93 SWT 227.3	5 dB 5 μs	RBW 100 kHz VBW 300 kHz 	Mode / 	Auto FFT 1[1] 2[1]	- mar day or had	2.48 2.48 	-2.86 dBr 015000 GH -51.36 dBr 350000 GH
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 0 10 dBm 0 -10 dBm 0 -30 dBm 0 -30 dBm 0 -40 dBm 0 -70 dBm 0 -70 dBm 0 -70 dBm	0.00 dBm 30 dB 200/1200 1 -21.718 M4 GHz GHz 1 1 1	Offset 9,9 SWT 227.3 dBm dBm M3 	5 dB 5 μs	RBW 100 kHz VBW 300 kHz	Mode / 	Auto FFT 1[1] 2[1]	Func	2.48 2.48 	-2.86 dBr 015000 GH -51.36 dBr 350000 GH



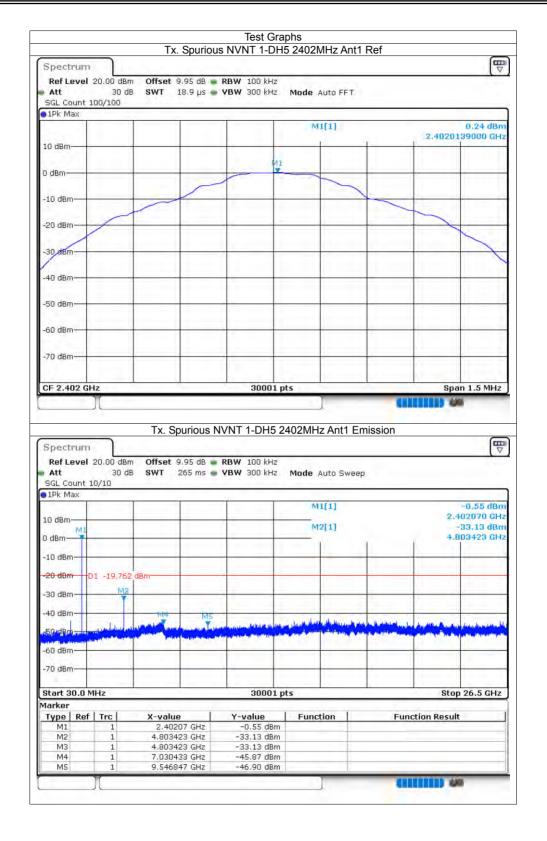


8.8 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-33.36	-20	Pass
NVNT	1-DH5	2441	Ant1	-34.85	-20	Pass
NVNT	1-DH5	2480	Ant1	-38.94	-20	Pass
NVNT	2-DH5	2402	Ant1	-31.42	-20	Pass
NVNT	2-DH5	2441	Ant1	-36	-20	Pass
NVNT	2-DH5	2480	Ant1	-37.27	-20	Pass
NVNT	3-DH5	2402	Ant1	-32.04	-20	Pass
NVNT	3-DH5	2441	Ant1	-33.81	-20	Pass
NVNT	3-DH5	2480	Ant1	-38.01	-20	Pass



Report No.: S23041201205001





Spectrun				5 2441MHz Ant1			E □
Ref Leve Att	l 20.00 dBm 30 dB	Offset 10.12 dB SWT 18.9 μs		Mode Auto FFT			
SGL Count 1Pk Max	100/100		a de la secono de				-
ULEN MIDA			1-1-	M1[1]		-	-0.62 dBm
				inetes .			23000 GHz
10 dBm							
			MI	1.1			
0 dBm				~			
Sec.							
-10 dBm			1		-	1	
-20 dBm			-			~	1
20 0011							
-30 dBm-			1.1				1
/	-				1 · · · · · · · · · · · · · · · · · · ·		
-40 dBm							
						1	
-50 dBm						-	
						ii	
-60 dBm					1		
1.5							
-70 dBm	-						
				2		1	1000
CF 2.441 0	GHz		30001 pt	ts		Spai	1.5 MHz
Spectrun	· · · · · ·			441MHz Ant1 E	mission		
Ref Leve Att	l 20.00 dBm 30 dB	Offset 10.12 dB	🖷 RBW 100 kHz	441MHz Ant1 E	_		E
Ref Leve Att SGL Count	l 20.00 dBm 30 dB	Offset 10.12 dB	🖷 RBW 100 kHz		_		Ø
Ref Leve Att	l 20.00 dBm 30 dB	Offset 10.12 dB	🖷 RBW 100 kHz		_		-0.87 dBm
Ref Leve Att SGL Count	l 20.00 dBm 30 dB	Offset 10.12 dB	🖷 RBW 100 kHz	Mode Auto Swe	_	2.4	-0.87 dBm +0900 GHz
Ref Leve Att SGL Count 1Pk Max 10 dBm- M1	l 20.00 dBm 30 dB	Offset 10.12 dB	🖷 RBW 100 kHz	Mode Auto Swe	_	2.4	-0.87 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm	l 20.00 dBm 30 dB	Offset 10.12 dB	🖷 RBW 100 kHz	Mode Auto Swe	_	2.4	-0.87 dBm 40900 GHz 35.47 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	I 20.00 dBm 30 dP 10/10	0 Offset 10.12 dB 3 SWT 265 ms	🖷 RBW 100 kHz	Mode Auto Swe	_	2.4	-0.87 dBm 40900 GHz 35.47 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	l 20.00 dBm 30 dB	0 Offset 10.12 dB 3 SWT 265 ms	🖷 RBW 100 kHz	Mode Auto Swe	_	2.4	-0.87 dBm 40900 GHz 35.47 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	I 20.00 dBm 30 dP 10/10	0 Offset 10.12 dB 3 SWT 265 ms	🖶 RBW 100 kHz	Mode Auto Swe	_	2.4	-0.87 dBm 40900 GHz 35.47 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	I 20.00 dBm 30 dP 10/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	_	2.4	-0.87 dBm 40900 GHz 35.47 dBm
Mail Mail 10 dBm M1 0 dBm M1 -10 dBm -10 dBm -20 dBm -30 dBm	01 -20.616	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	_	2.4 	-0.87 dBm 40900 GHz 35.47 dBm
Mail Mail 10 dBm M1 0 dBm M1 -10 dBm -10 dBm -20 dBm -30 dBm	01 -20.616	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	ep	2.4	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mail Mail 10 dBm M1 0 dBm M1 -10 dBm -10 dBm -20 dBm -30 dBm	01 -20.616	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	ep	2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mail Mail 10 dBm M1 0 dBm M1 -10 dBm	01 -20.616	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	ep	2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mail Mail SGL Count SGL Count SGL Count 10 dBm 10 dBm M1 0 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm	01 -20.616	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	ep	2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mail Mail 10 dBm M1 0 dBm M1 -10 dBm	01 -20.616	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	ep	2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mail SGL Count SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 30.0 Marker	1 20,00 dBm 30 dE 10/10 01 -20.616 M2 MHz	dBm	 RBW 100 kHz VBW 300 kHz 300 kHz 30001 pt 	Mode Auto Swe		2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mail SGL Count SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 30.0 Marker Type Re	1 20,00 dBm 30 dE 10/10 01 -20.616 M2 MHz f Trc	Offset 10.12 dB SWT 265 ms dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Swe		2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mail SGL Count SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 30.0 Marker	1 20,00 dBm 30 dE 10/10 01 -20.616 M2 MHz	Offset 10.12 dB SWT 265 ms dBm	 RBW 100 kHz VBW 300 kHz 300 kHz 30001 pt 	Mode Auto Swe		2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mef Leve Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2 M3	1 20,00 dBm 30 dE 10/10 01 -20.616 M2 MHz f Trc 1 1 1	Offset 10.12 dB SWT 265 ms dBm	RBW 100 kHz VBW 300 kHz 300 kHz 100 kHz	Mode Auto Swe		2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mail SGL Count SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm Marker Type Re M1 M2 M3 M4	1 20,00 dBm 30 dE 10/10 10/10 101 -20.616 101 -20.616 101 -20.616 101 -20.616 101 -20.616 101 -20.616 101 -20.616	Offset 10.12 dB SWT 265 ms dBm	RBW 100 kHz VBW 300 kHz VBW 300 kHz J	Mode Auto Swe		2.4 	-0.87 dBm 40900 GHz 35.47 dBm 81951 GHz
Mef Leve Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2 M3	1 20,00 dBm 30 dE 10/10 01 -20.616 M2 MHz f Trc 1 1 1	Offset 10.12 dB SWT 265 ms dBm	RBW 100 kHz VBW 300 kHz 300 kHz 100 kHz	Mode Auto Swe	ep	2.4 	-0.87 dBm +0900 GHz 35.47 dBm 31951 GHz 26.5 GHz



Spect	rum		1			IS NVNT 1-						₩
Ref Le Att	evel	20.00 30	dB 😫			RBW 100 k VBW 300 k		ode A	uto FFT.	-		
SGL Co		00/100)									-
JUFK IN	20	-	1		_	1		MI	[1]			-0.66 dBm
									1		2.48000	59500 GHz
10 dBm-					-				1			
0 dBm—			_				M12					
					1	_						
-10 dBm			-	-	1)	-	-	
55 m		-	-							_	-	
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ee i-												
-50 dBm												1 1
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CF 2.48	3 GHz	Ś		-		300	01 pts				Spa	n 1.5 MHz
Spect					1.0	NVNT 1-DH	15 2480) MHz	: Ant1 Em	ission		
Ref Le Att	evel	20.00 30		Offset 9.	95 dB 🖷		15 2480 _{Hz}			ission		
Ref Le	e vel iunt 1	20.00 30		Offset 9.	95 dB 🖷	VNT 1-DF	15 2480 _{Hz}			ission		
Ref Le Att SGL Co 1Pk Ma	evel iunt 1 ax	20.00 30		Offset 9.	95 dB 🖷	VNT 1-DF	15 2480 _{Hz}		uto Sweep	ission		(₩ √ -0.96 dBm
Ref Le Att SGL Co	evel ount 1 ax	20.00 30		Offset 9.	95 dB 🖷	VNT 1-DF	15 2480 _{Hz}	ode A	uto Sweep [1]	ission		-0.96 dBm 479720 GHz -39.60 dBm
Ref Le Att SGL Co 1Pk Ma	evel iunt 1 ax	20.00 30		Offset 9.	95 dB 🖷	VNT 1-DF	15 2480 _{Hz}	ode A M1	uto Sweep [1]	ission		-0.96 dBm ∔79720 GHz
Ref Le Att SGL Co 1Pk Ma 10 dBm	evel ount 1 ax	20.00 30		Offset 9.	95 dB 🖷	VNT 1-DF	15 2480 _{Hz}	ode A M1	uto Sweep [1]	ission		-0.96 dBm 479720 GHz -39.60 dBm
Ref Le Att SGL Co 1Pk Ma 10 dBm-	evel	20,00 i 3(0/10		Offset 9. SWT 20	95 dB 🖷	VNT 1-DF	15 2480 _{Hz}	ode A M1	uto Sweep [1]	ission		-0.96 dBm 479720 GHz -39.60 dBm
Ref Le Att SGL Co 1Pk Ma 10 dBm 0 dBm -10 dBm	evel	20,00 i 3(0/10	0 dB 1	Offset 9. SWT 20	95 dB 🖷	VNT 1-DF	15 2480 _{Hz}	ode A M1	uto Sweep [1]	ission		-0.96 dBm 479720 GHz -39.60 dBm
Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm	M3	20,00 i 3(0/10		Dffset 9. SWT 20	95 dB =	NVNT 1-DH RBW 100 k YBW 300 k	15 2480 _{Hz}	ode A M1	uto Sweep [1]	ission		-0.96 dBm 479720 GHz -39.60 dBm
Ref Le Att SGL Co IPk Ma 10 dBm- 0 dBm- -10 dBm -20 dBm -30 dBm -40 dBm	evel	20,00 i 3(0/10	564 dBn	Offset 9. SWT 20	95 dB 🖷	NVNT 1-DH RBW 100 k YBW 300 k	Hz Hz Mc	M1 M2	uto Sweep [1]			-0.96 dBm 79720 GHz 39.60 dBm 660479 GHz
Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm -40 dBm	evel uunt 1 max M1 D	20,00 i 3(0/10	564 dBn	Dffset 9. SWT 20	95 dB	NVNT 1-DH RBW 100 k VBW 300 k	Hz Hz Mc	M1 M2	utò Sweep [1] [1]		4,9	-0.96 dBm 79720 GHz 39.60 dBm 660479 GHz
Ref Le Att SGL Co IPk Ma 10 dBm- 0 dBm- -10 dBm -20 dBm -30 dBm -40 dBm	evel uunt 1 max M1 D	20,00 i 3(0/10	564 dBn	Dffset 9. SWT 20	95 dB	NVNT 1-DH RBW 100 k VBW 300 k	Hz Hz Mc	M1 M2	utò Sweep [1] [1]		4,9	-0.96 dBm 79720 GHz 39.60 dBm 660479 GHz
Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm -40 dBm	M1	20,00 i 3(0/10	564 dBn	Dffset 9. SWT 20	95 dB	NVNT 1-DH RBW 100 k VBW 300 k	Hz Hz Mc	M1 M2	utò Sweep [1] [1]		4,9	-0.96 dBm 79720 GHz 39.60 dBm 660479 GHz
Ref Le Att SGL Co 1Pk Ma 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -60 dBm	M3	20.00 30 0/10	564 dBn	Dffset 9. SWT 20	95 dB	NVNT 1-DH RBW 100 k VBW 300 k	Hz Hz Mc	M1 M2	utò Sweep [1] [1]			-0.96 dBm 479720 GHz -39.60 dBm 60479 GHz
Ref Le Att SGL Co 1Pk M: 10 dBm- -10 dBm- -20 dBm -30 dBm -40 dBm -50 dBm	M3	20.00 30 0/10	564 dBn	Dffset 9. SWT 20	95 dB	NVNT 1-DH RBW 100 k VBW 300 k	Hz Hz Mc	M1 M2	utò Sweep [1] [1]			-0.96 dBm 79720 GHz 39.60 dBm 660479 GHz
Ref Le Att SGL Co 1Pk Ma 10 dBm- 0 dBm- -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm -70 dBm Start 3 Marker Type 1	MI MI MOLO M	20,00 30 0/10 1 -20.	664 dBn	Dffset 9. SWT 20	95 dB 65 ms (M5 (1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(NVNT 1-DH RBW 100 k YBW 300 k 	H2 H2 Mc	M1 M2	utò Sweep [1] [1]			-0.96 dBm +79720 GHz -39.60 dBm 960+79 GHz
Ref Le Att SGL Co 1Pk Ma 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm -70 dBm -70 dBm -70 dBm	MI MI MOLO M	1 -20.4 Hz	664 dBn	Offset 9. SWT 20	95 dB 65 ms M5 (1,10,10) 2 GHz	NVNT 1-DH RBW 100 k VBW 300 k	15 2480	M11 M2	utò Sweep [1] [1]		4,5	-0.96 dBm +79720 GHz -39.60 dBm 960+79 GHz
Ref Le Att SGL Co 1Pk Ma 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -60 dBm -70 dBm S0 dBm -70 dBm Marker Type M1 M3	MI MI MOLO M	1 -20. Htz IHz ITrc 1 1 1 1 1 1 1 1 1 1 1 1 1	664 dBn	Dffset 9, SWT 2/ SWT 2/ M4 X-value 2,4797; 4,96047!	95 dB 65 ms M5 2 GHz 9 GHz 9 GHz	NVNT 1-DH RBW 100 k VBW 300 k 	H2 H2 Mc	M11 M2	utò Sweep [1] [1]		4,5	-0.96 dBm +79720 GHz -39.60 dBm 960+79 GHz
Ref Le Att SGL Co 1Pk Ma 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -60 dBm 50 dBm -70 dBm -70 dBm Marker Type I M1 M2	MI MI MOLO M	20,00 30 0/10 1 -20. Hz Hz	664 dBn	24797: 4.96047:	95 dB 65 ms (M5 (1) (1) (1) (2) (1) (1) (1) (2) (1) (1) (1) (2) (1) (1) (1) (1) (2) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	NVNT 1-DH RBW 100 k VBW 300 k 300 k 300 Y-value -0.96 c -39.60 c	15 2480	M11 M2	utò Sweep [1] [1]		4,5	-0.96 dBm +79720 GHz -39.60 dBm 960+79 GHz
Ref Le Att SGL Co 1Pk Mt 10 dBm- 0 dBm- -10 dBm -20 dBm -30 dBm -40 dBm -70 dBm -60 dBm -70 dBm Marker Type M1 M2 M3	MI MI MOLO M	20,00 30 0/10 1 -20. HHz I rc 1 1 1 1 1	664 dBn	Dffset 9, SWT 2/ SWT 2/ M4 X-value 2.4797/ 4.96047/ 4.96047/ 7.63130	95 dB 65 ms (M5 (1) (1) (1) (2) (1) (1) (1) (2) (1) (1) (1) (2) (1) (1) (1) (1) (2) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	NVNT 1-DH RBW 100 k VBW 300 k 300 Y-value -0.96 c -39.60 c -47.36 c	15 2480	M11 M2	utò Sweep [1] [1]	Fun	4,5	-0.96 dBm +79720 GHz 39.60 dBm 960479 GHz



Spectrum Ref Level		Offset 9.95 dB	RBW 100 kHz			
Att SGL Count 1		SWT 18.9 µs	VBW 300 kHz	Mode Auto FF	r.	
01Pk Max			1			
				M1[1]		-1,34 d 2.4020426490 (
10 dBm					-1	2.4020420490 (
0 dBm			M	1		-
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-10 dBm	-				_	-
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-20 d8m-						
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en dam						
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Sec	_			2		
CF 2.402 GH	7		30001 p	ts		Span 1.5 Mi
	1				C	
)(Tx. Spurious	NVNT 2-DH5 2	402MHz Ant1	Emission	
		Tx. Spurious	NVNT 2-DH5 2-	402MHz Ant1	Emission	
Spectrum Ref Level				402MHz Ant1	Emission	
Spectrum Ref Level 3 Att	20.00 dBm 30 dB	Offset 9.95 dB	NVNT 2-DH5 2- RBW 100 kHz VBW 300 kHz			
Spectrum Ref Level 3 Att SGL Count 1	20.00 dBm 30 dB	Offset 9.95 dB	RBW 100 kHz			
Spectrum Ref Level 3 Att	20.00 dBm 30 dB	Offset 9.95 dB	RBW 100 kHz	Mode Auto Sw		
Spectrum Ref Level : Att SGL Count 11 1Pk Max	20.00 dBm 30 dB	Offset 9.95 dB	RBW 100 kHz	Mode Auto Sw		-1.88 d 2.402070 (
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm-	20.00 dBm 30 dB	Offset 9.95 dB	RBW 100 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm	20.00 dBm 30 dB	Offset 9.95 dB	RBW 100 kHz	Mode Auto Sw		-1.88 d 2.402070 (
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm-	20.00 dBm 30 dB	Offset 9.95 dB	RBW 100 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dE 0/10	Offset 9.95 dB SWT 265 ms	RBW 100 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level 3 Att SGL Count 11 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm p	20.00 dBm 30 dP 0/10	Offset 9.95 dB SWT 265 ms	RBW 100 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dE 0/10	Offset 9.95 dB SWT 265 ms	RBW 100 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level 3 Att SGL Count 11 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm p	20.00 dBm 30 dP 0/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	20.00 dBm 30 dP 0/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level 3 Att SGL Count 11 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dP 0/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	20.00 dBm 30 dP 0/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level 3 Att SGL Count 11 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dP 0/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	20,00 dBm 30 dE 0/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1]		-1.88 d 2.402070 (-32.76 d 4.804306 (
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -70 dBm -70 dBm Start 30.0 M	20,00 dBm 30 dE 0/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1]		-1.88 d 2.402070 (-32.76 d
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm	20.00 dBm 30 dE 0/10 1 -21,340 M2 Hz	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1]		-1.88 d 2.402070 (-32.76 d 4.804306 (
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -60 dBm -70 dBm Start 30.0 M Marker Type Ref	20.00 dBm 30 dP 0/10	dBm	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1]		-1.88 d 2.402070 (-32.76 d 4.804306 (
Spectrum Ref Level : Att SGL Count 1 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -70 dBm -70 dBm Start 30.0 M Marker Type Ref M1 M2	20,00 dBm 30 dE 0/10 1 -21,340 M2 Hz Hz	Offset 9.95 dB SWT 265 ms dBm dBm vr# M3 vr# Value 2.40207 GHz 4.804306 GHz	RBW 100 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1]		-1.88 d 2.402070 (-32.76 d 4.804306 (
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm Marker Type M1 M2 M3	20.00 dBm 30 dE 0/10 1 -21.340 M3 Hz Hz Trc 1 1 1	Offset 9.95 dB SWT 265 ms dBm dBm x-value 2.40207 GHz 4.804306 GHz	RBW 100 kHz VBW 300 kHz 300 kH	Mode Auto Sw M1[1] M2[1]		-1.88 d 2.402070 (-32.76 d 4.804306 (
Spectrum Ref Level : Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -60 dBm -60 dBm -70 dBm Marker Type M1 M2 M3 M4	20.00 dBm 30 dE 0/10 1 -21.340 M3 Hz Hz	Offset 9.95 dB SWT 265 ms	RBW 100 kHz VBW 300 kHz VBW 300 kHz	Mode Auto Sw M1[1] M2[1]		-1.88 d 2.402070 (-32.76 d 4.804306 (
Spectrum Ref Level : Att SGL Count 11 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm Marker Type M1 M2 M3	20.00 dBm 30 dE 0/10 1 -21.340 M3 Hz Hz Trc 1 1 1	Offset 9.95 dB SWT 265 ms dBm dBm x-value 2.40207 GHz 4.804306 GHz	RBW 100 kHz VBW 300 kHz 300 kH	Mode Auto Sw M1[1] M2[1]		-1.88 d 2.402070 (-32.76 d 4.804306 (





Spectrum									E
Ref Level Att	20.00 d 30			RBW 100) kHz) kHz – Mode	Auto FFT			
SGL Count 1Pk Max	100/100					-			_
TER Inda	1	1	1	1	N	1[1]			-1.73 dBn
1.11							a ii	2.44103	77490 GH
10 dBm-								1	
D dDas			1	1.7.7	M1				
0 dBm					1		~		11 - T
-10 dBm-	-								
/						1	-		
-20 dBm-	-			-	-		-	-	1
1									
-30 dBm-				1			-		
10.10				1	1 1 1 1				
-40 dBm				1.			· · · · · · · · · · · · · · · · · · ·		i i
-50 dBm-									
are and									1
-60 dBm	_	-	-	3	-	-	-		
				10.00					1
-70 dBm			-			-	-		-
05 0 441 0	-		1	000	101		1	Spa	n 1.5 MHz
CF 2.441 G	Hz			300	001 pts				
Spectrum				NVNT 2-Dł	H5 2441MF] Iz Ant1 E	mission		
Spectrum Ref Level Att	20,00 d 30	Bm Offset	10.12 dB	VNT 2-DI RBW 100	H5 2441MF		_		
Spectrum Ref Level	20,00 d 30	Bm Offset	10.12 dB	VNT 2-DI RBW 100	H5 2441MH		_) (₩ ⊽
Spectrum Ref Level Att SGL Count 1Pk Max	20,00 d 30	Bm Offset	10.12 dB	VNT 2-DI RBW 100	H5 2441MH) kHz) kHz Mode		_		-1.83 dBn
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm-	20,00 d 30	Bm Offset	10.12 dB	VNT 2-DI RBW 100	H5 2441MH) kHz) kHz Mode	Auto Swe	_		
Spectrum Ref Level Att SGL Count 1Pk Max	20,00 d 30	Bm Offset	10.12 dB	VNT 2-DI RBW 100	H5 2441MH) kHz) kHz Mode	Auto Swe	_		-1.83 dBn 440900 GH:
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm-	20,00 d 30	Bm Offset	10.12 dB	VNT 2-DI RBW 100	H5 2441MH) kHz) kHz Mode	Auto Swe	_		-1.83 dBn 40900 GH: 37.73 dBn
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm	20.00 d 30 10/10	Bm Offset dB SWT	10.12 dB	VNT 2-DI RBW 100	H5 2441MH) kHz) kHz Mode	Auto Swe	_		-1.83 dBn 40900 GH: 37.73 dBn
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 d 30 10/10	Bm Offset dB SWT	10.12 dB	VNT 2-DI RBW 100	H5 2441MH) kHz) kHz Mode	Auto Swe	_		-1.83 dBn 40900 GH: 37.73 dBn
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm	20.00 d 30 10/10	Bm Offset dB SWT	10.12 dB	VNT 2-DI RBW 100	H5 2441MH) kHz) kHz Mode	Auto Swe	_		-1.83 dBn 40900 GH: 37.73 dBn
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 d 30 10/10	Bm Offset dB SWT	10.12 dB (265 ms (NVNT 2-DH RBW 100 VBW 300	H5 2441MH	Auto Swe	_	4,8	-1.83 dBn #0900 GH: 37.73 dBn 81069 GH:
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 d 30 10/10	Bm Offset dB SWT	10.12 dB (265 ms (NVNT 2-DH RBW 100 VBW 300	H5 2441MH	Auto Swe	_		-1.83 dBn #0900 GH: 37.73 dBn 81069 GH:
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm	20.00 d 30 10/10	Bm Offset dB SWT	10.12 dB (265 ms (NVNT 2-DH RBW 100 VBW 300	H5 2441MH	Auto Swe	_	4,8	-1.83 dBn #0900 GH: 37.73 dBn 81069 GH:
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	20.00 d 30 10/10	Bm Offset dB SWT	10.12 dB (265 ms (NVNT 2-DH RBW 100 VBW 300	H5 2441MH	Auto Swe	_	4,8	-1.83 dBn #0900 GH: 37.73 dBn 81069 GH:
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Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 dBm	D1 -21.7	Bm Offset dB SWT	10.12 dB (265 ms (NVNT 2-DI RBW 100 VBW 300	H5 2441MH	Auto Swe	_	4.6	-1.83 dBn #0900 GH: 37.73 dBn 81069 GH:
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Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	01 -21.7	Bm Offset dB SWT	10.12 dB 265 ms	NVNT 2-D}	H5 2441MH	Auto Swe		4.6	- 1.83 dBm +40900 GH; -37.73 dBm 81069 GH;
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dB	20.00 d 30 10/10 D1 <21.7 MHz f Trc 1	Bm Offset dB SWT	10.12 dB (265 ms)	NVNT 2-Dł RBW 100 VBW 300 	H5 2441MH	Auto Swe		4.6	- 1.83 dBm +40900 GH; -37.73 dBm 81069 GH;
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	D1 -21.7 MHz f Trc 1 1 1	Bm Offset dB SWT 29 dBm 48 48 48 4.881 4.881 4.881	10.12 dB 265 ms 10.12 dB 265 ms 10.12 dB 10.12 dB	NVNT 2-Dł RBW 100 VBW 300	H5 2441MH	Auto Swe		4.6	- 1.83 dBm +40900 GH; -37.73 dBm 81069 GH;
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Spectrum Ref Level	20.00 de			RBW 100 kH					[□ □
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Ref Level	20.00 d 30	Bm Offset 9.	95 dB 🖷	NVNT 3-DH5 RBW 100 kH;	2402MH 2 2 Mode .	Auto Sweep) (₩ ⊽
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Ref Level Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20,00 d 20,00 d 30 10/10	Bm Offset 9, dB SWT 20	95 dB	NVNT 3-DH5 RBW 100 kH; VBW 300 kH;	2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Auto Sweep 1[1]		2.4	-1.99 dBn 02070 GH: 32.96 dBn
Mat SGL Count SGL Count TPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 d 30 10/10	Bm Offset 9. dB SWT 26	95 dB 🖷	NVNT 3-DH5 RBW 100 kH; VBW 300 kH;	2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Auto Sweep 1[1]		2.4	-1.99 dBn 02070 GH: 32.96 dBn
Mat SGL Count SGL Count TPk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 d 30 10/10	Bm Offset 9. dB SWT 26	95 dB 65 ms	NVNT 3-DH5 RBW 100 kH; VBW 300 kH;	2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Auto Sweep 1[1]		2.4	-1.99 dBn 02070 GH: 32.96 dBn
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Mat SGL Count 1 SGL Count 1 SGL Count 1 TO dBm 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -60 dBm -70 dBm -70 dBm Stort 30.0 M)[20,00 d 30 10/10	Bm Offset 9. dB SWT 26	95 dB 65 ms	NVNT 3-DH5 RBW 100 kH; VBW 300 kH;	5 2402MH	Auto Sweep 1[1]		2.4	-1.99 dBn 02070 GH: 32.96 dBn
Mail SGL Count SGL Count TO dBm 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -60 dBm -70 dBm -70 dBm)(Bm Offset 9. dB SWT 26	95 dB 55 ms	VVNT 3-DH5 RBW 100 kH VBW 300 kH	5 2402MH	Auto Sweep		2.4	-1.99 dBn 02070 GH: 32.96 dBn 03423 GH:
Ref Level Att SGL Count SGL Count 11 PK Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Type Ref M1	20,00 d 30 10/10 01 -20.9 M MHz I Tre 1	Bm Offset 9, dB SWT 20 10 dBm 10 dBm 10 dBm 10 dBm 2 10 dBm	95 dB 55 ms M5 7 GHz	NVNT 3-DH5 RBW 100 kH; VBW 300 kH; 	5 2402MH	Auto Sweep		2.4 4.8	-1.99 dBn 02070 GH: 32.96 dBn 03423 GH:
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Marker Type Ref Level Att SGL Count 1 SGL Count 2 TO dBm 10 dBm D dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 M Marker Type M1 M2 M3	20.00 d 30 10/10 01 -20.9 M M MHz I Tre 1 1 1	Bm Offset 9. dB SWT 20 10 dBm 10 dBm 2 10 dBm 2	95 dB 55 ms 100 100 100 100 100 100 100 100 100 10	NVNT 3-DH5 RBW 100 kH; VBW 300 kH; VBW 300 kH; 300 kH; VBW 300 kH;	5 2402MH	Auto Sweep	Fund	2.4 4.8	-1.99 dBn 02070 GH: 32.96 dBn 03423 GH: 2.96 dBn 03423 GH: 2.96 dBn 03423 GH:



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Specti	rum		dBm		-			2441MH] z Ant1 En	nission	401010 4	8
Specta Ref Le Att	rum evel	20.00		Offset	10.12 dB	RBW	3-DH5 100 k⊦	2441MH] z Ant1 En Auto Swee			₩ (₩ ⊽
Spectr Ref Le	rum e vel unt 1	20.00		Offset	10.12 dB	RBW	3-DH5 100 k⊦	2441MH				8
Specti Ref Le SGL Co 1Pk Ma	rum evel unt 1 ex	20.00		Offset	10.12 dB	RBW	3-DH5 100 k⊦	2441MH ¹ z ¹ z Mode				-3,45 dBn
Spectu Ref Le Att SGL Co 1Pk Ma 10 dBm-	rum evel unt 1 ex	20.00		Offset	10.12 dB	RBW	3-DH5 100 k⊦	2441MH ^{Hz} Hz Mode	Auto Swee		2.	₩ (₩
Specti Ref Le SGL Co 1Pk Ma	rum evel unt 1 ex	20.00		Offset	10.12 dB	RBW	3-DH5 100 k⊦	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH:
Spectu Ref Le Att SGL Co 1Pk Ma 10 dBm-	rum evel unt 1 ax	20.00		Offset	10.12 dB	RBW	3-DH5 100 k⊦	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectu Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm-	rum evel unt 1 ex)(20,00 3 0/10	O dB	Offset SWT	10.12 dB	RBW	3-DH5 100 k⊦	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm	rum evel unt 1 ax)(20,00 3 0/10	O dB	Offset SWT	10.12 dB	RBW	3-DH5 100 k⊦	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectr Ref Le SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm	rum evel unt 1 MJ)(20,00 3 0/10	O dB	Offset SWT	10.12 dB	RBW	3-DH5 100 k⊦	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm	rum evel unt 1 MJ)(557 dB	Offset SWT	10.12 dB 265 ms	RBW VBW	3-DH5	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectr Ref Le SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm	rum evel unt 1 ax)(20,00 3 0/10	557 dB	Offset SWT	10.12 dB 265 ms	RBW VBW	3-DH5 100 k⊦	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -40 dBm	rum evel unt 1 sx)(557 dB	Offset SWT	10.12 dB 265 ms	RBW VBW	3-DH5	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectu Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm -20 dBm -30 dBm	Mi Do)(557 dB	Offset SWT	10.12 dB 265 ms	RBW VBW	3-DH5	2441MH ^{Hz} Hz Mode	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectr Ref Le Att SGL Coo 1Pk Ma 10 dBm- -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	MI	220.00 3 0/10	557 dB	Offset SWT	10.12 dB 265 ms	RBW VBW	3-DH5	2441MH	Auto Swee		2.	-3.45 dBn -3.45 dBn 440900 GH: -35.38 dBn 881951 GH:
Spectr Ref Le SGL Co 1Pk Ma 10 dBm- -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30	MI	220.00 3 0/10	557 dB	Offset SWT	10.12 dB 265 ms	RBW VBW	3-DH5	2441MH	Auto Swee		2.	-3,45 dBn 440900 GH: -35,38 dBn
Spectr Ref Le Att SGL Coo 1Pk Ma 10 dBm- -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	rum evel unt 1 Mi)(557 dB	Offset SWT	10.12 dB 265 ms		3-DH5	2441MH	Auto Swee		2.	-3.45 dBn 440900 GH: -35.38 dBn 881951 GH:
Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -60 dBm -70 dBm Start 30 Marker Type M1	rum evel unt 1 Mi) 20,00 3 0/10 1 -21 Hz Hz ITrc 1	557 dB	M4 X-valu 2,44	10.12 dB 265 ms	Y-v	3-DH5 100 kH 300 kH 300 kH 300 th 3000 th 3000 th 3000 th 3000 th 3000 th	2441MH	Auto Swee		2. 4.	-3.45 dBn 440900 GH: -35.38 dBn 881951 GH:
Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 3 Marker Type] M1 M2	rum evel unt 1 Mi)(557 dB	Offset SWT	10.12 dB 265 ms	RBW VBW VBW Y-₩38	3-DH5 100 kF 300 kF 300 kF 300 0 kF 30 0 kF 30 kF 3	2441MH	Auto Swee		2. 4.	-3.45 dBn 440900 GH: -35.38 dBn 881951 GH:
Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -60 dBm -60 dBm -70 dBm Stort 3 Marker Type M1 M3 M4	rum evel unt 1 Mi)(557 dB	M4 X-valu 2.44 4.8819 7.1636	10.12 dB 265 ms 10.12 dB 265 ms 10.12 dB 10.12 d	Y-v	3-DH5 100 kH 300	2441MH	Auto Swee		2. 4.	-3.45 dBn 440900 GH: -35.38 dBn 881951 GH:
Specta Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -70 dBm Start 3 Marker Type M1 M1 M3	rum evel unt 1 Mi)(557 dB	M4 X-valu 2.44 4.8819 7.1636	10.12 dB 265 ms 265 ms 10.12 dB 10.12 d	Y-v	3-DH5 100 kF 300	2441MH	Auto Swee	p Fur	2. 4.	-3,45 dBn 440900 GH: -35,38 dBn 881951 GH:



Att SGL Count	30 dB			RBW 100 kHz VBW 300 kHz	Mode Auto	FFT.			
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CF 2.48 GH				30001	nte			200	in 1.5 MH
GF 2.40 GH	1		_	30001	prs	_		ара	11 1.J MP
Att SGL Count :	20.00 dBm 30 dB	Offset 9	.95 dB 🖷	RBW 100 kHz VBW 300 kHz			sion		ſ
Ref Level Att	20.00 dBm 30 dB	Offset 9	.95 dB 🖷	RBW 100 kHz		o Sweep	sion		-1.82 dB
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 9	.95 dB 🖷	RBW 100 kHz	Mode Auto	o Sweep	sion		-1.82 dB
Ref Level Att SGL Count 1 1Pk Max	20.00 dBm 30 dB	Offset 9	.95 dB 🖷	RBW 100 kHz	Mode Auto	o Sweep	sion		-1.82 dB
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 9	.95 dB 🖷	RBW 100 kHz	Mode Auto	o Sweep	sion		-1.82 de 179720 G -39.96 de
Ref Level Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB 10/10	Offset 9 SWT 2	.95 dB 🖷	RBW 100 kHz	Mode Auto	o Sweep	sion		-1.82 de 179720 G -39.96 de
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm	20,00 dBm 30 dB 10/10	Offset 9 SWT 2	.95 dB 🖷	RBW 100 kHz	Mode Auto	o Sweep	sion		-1.82 de 179720 G -39.96 de
Mail Mail SGL Count 10 dBm 1D dBm 0 dBm -10 dBm -10 dBm -20 dBm -10 dBm -30 dBm -40 dBm	20,00 dBm 30 dB 10/10	Offset 9 SWT 2	.95 dB	RBW 100 kHz	Mode Auto	D Sweep		4.5	-1.82 dE 179720 G -39.96 dE 595956 G
Mail Mail 10 dBm M3 10 dBm M3 -10 dBm	20,00 dBm 30 dB 10/10	Offset 9 SWT 2	.95 dB 265 ms	RBW 100 kHz	Mode Auto	D Sweep		4.5	-1.82 dE 179720 G -39.96 dE 595956 G
Mail Mail SGL Count 10 dBm 1D dBm 0 dBm -10 dBm -10 dBm -20 dBm -10 dBm -30 dBm -40 dBm	20,00 dBm 30 dB 10/10	Offset 9 SWT 2	.95 dB	RBW 100 kHz	Mode Auto	D Sweep		4.5	-1.82 dE 179720 G -39.96 dE 595956 G
Mail SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20,00 dBm 30 dB 10/10	Offset 9 SWT 2	.95 dB	RBW 100 kHz	Mode Auto	D Sweep		4.5	-1.82 dE 179720 G -39.96 dE 595956 G
Mail SGL Count SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm	20,00 dBm 30 dB 10/10	Offset 9 SWT 2	.95 dB	RBW 100 kHz	Mode Auto	D Sweep		4.5	-1.82 dE
Marker Pipk Max 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	20,00 dBm 30 dB 10/10	Offset 9 SWT 2	.95 dB 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto	D Sweep		4,5	-1.82 dE
Ref Level Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm To dBm -80 dBm -70 dBm -70 dBm -70 dBm<	20,00 dBm 30 dB 10/10	Offset 9 SWT 2 dBm M4 X-value 2.4797	.95 dB 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto	D Sweep		4.5	-1.82 dE
Marker Type Ref Level Att SGL Count SGL Count 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 M Marker Type M1 M2 M3	20,00 dBm 30 dB 10/10 D1 -21,953 M3 MHz MHz	Offset 9 SWT 2 dBm 	.95 dB 265 ms 	RBW 100 kHz VBW 300 kHz	Mode Auto	D Sweep		4,5	-1.82 dE
Ref Level Att SGL Count 1Pk Max 1D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm	20,00 dBm 30 dB 10/10 01 -21,953 M3 MHz I Trc 1 1	Offset 9 SWT 2 dBm 	.95 dB 265 ms 	RBW 100 kHz VBW 300 kHz	Mode Auto	D Sweep		4,5	-1.82 dE
Ref Level Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Stort 30.0 M Marker Type M1 M2 M3 M4	20,00 dBm 30 dB 10/10 01 -21,953 M3 MHz MHz	Offset 9 SWT 2 dBm M4 X-value 2.4797 4.95955 7.4680	.95 dB 265 ms 	RBW 100 kHz VBW 300 kHz	Mode Auto	D Sweep	Funct	4,5	-1.82 dE
Ref Level Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm Stort 30.0 M Marker Type M1 M2 M3 M4	20,00 dBm 30 dB 10/10 01 -21,953 M3 MHz MHz	Offset 9 SWT 2 dBm M4 X-value 2.4797 4.95955 7.4680	.95 dB 265 ms 	RBW 100 kHz VBW 300 kHz	Mode Auto	D Sweep	Funct	4,5	-1.82 dE