



FCC ID: HBOSB2135

 Product:
 36" 2.1 Soundbar

 Trade Mark:
 onn.

 Model No.:
 100024204

 Family Model:
 N/A

 Report No.:
 S20122802902001

 Issue Date:
 12 Jan. 2021

Prepared for

SHENZHEN FENDA TECHNOLOGY CO., LTD.

Fenda Hi-Tech Park, Zhoushi Road, Shiyan Town, Baoan District, Shenzhen City, Guangdong, China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

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1 TEST RESULT CERTIFICATION

Applicant's name:	SHENZHEN FENDA TECHNOLOGY CO., LTD.
Address:	Fenda Hi-Tech Park, Zhoushi Road, Shiyan Town, Baoan District, Shenzhen City, Guangdong, China
Manufacturer's Name:	SHENZHEN FENDA TECHNOLOGY CO., LTD.
Address:	Fenda Hi-Tech Park, Zhoushi Road, Shiyan Town, Baoan District, Shenzhen City, Guangdong, China
Product description	
Product name:	36" 2.1 Soundbar
Model and/or type reference:	100024204
Family Model:	N/A

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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.

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

Date of Test	:	28 Dec. 2020 ~12 Jan. 2021
Testing Engineer	:	prany. Hu
		(Mary Hu)
Technical Manager	:	Jason Chen (Jason Chen)
Authorized Signatory	:	(Jason Chen)
0 ,		(Alex Li)

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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		

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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. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



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 Laboratory has been assessed and proved to be in compliance with
	CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)
	The Certificate Registration Number is L5516.
IC-Registration	The Certificate Registration Number is 9270A.
	CAB identifier:CN0074
FCC- Accredited	Test Firm Registration Number: 463705.
	Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01
	This laboratory is accredited in accordance with the recognized
	International Standard ISO/IEC 17025:2005 General requirements for
	the competence of testing and calibration laboratories.
	This accreditation demonstrates technical competence for a defined
	scope and the operation of a laboratory quality management system
	(refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).
Name of Firm	: Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang
	Street, Bao'an District, Shenzhen 518126 P.R. China.

3.3 MEASUREMENT UNCERTAINTY

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

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

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4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment	36" 2.1 Soundbar			
Trade Mark	onn.			
FCC ID	HBOSB2135			
Model No.	100024204			
Family Model	N/A			
Model Difference	N/A			
Operating Frequency	2402MHz~2480MHz			
Modulation	GFSK, π/4-DQPSK, 8-DPSK			
Number of Channels	79 Channels			
Antenna Type	PCB Antenna			
Antenna Gain	2 dBi			
Power supply	⊠AC supply: AC 120V/60Hz			
	Adapter supply: N/A			
HW Version	N/A			
SW Version	N/A			

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Note: 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.



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Report No.	Version	Description	Issued Date
S20122802902001	Rev.01	Initial issue of report	12 Jan. 2021
	1	1	



5 DESCRIPTION OF TEST MODES

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

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

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

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

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

Carrier Frequency and Channel list:

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

Note: fc=2402MHz+k×1MHz k=0 to 78

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

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

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

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

Note: For radiated test cases, the worst mode data rate 3Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

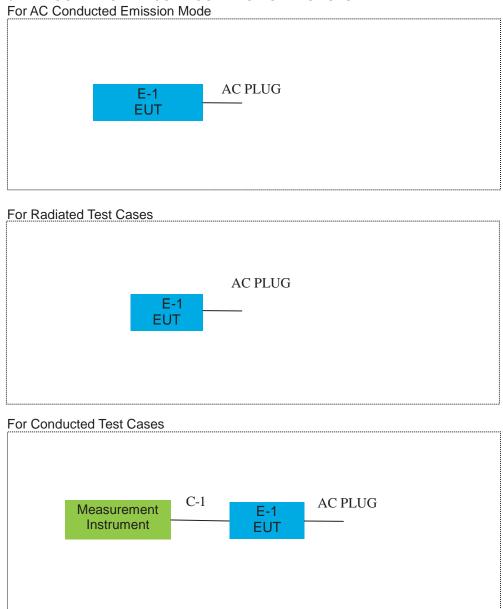
For Conducted Test Cases		
Description		
CH00(2402MHz)		
CH39(2441MHz)		
CH78(2480MHz)		
Hopping mode		
-		

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



6 SETUP OF EQUIPMENT UNDER TEST

6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



Note: 1. The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.



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.

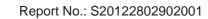
Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	36" 2.1 Soundbar	onn.	100024204	N/A	EUT

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	RF CABLE	YES	NO	0.1m

Notes:

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

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6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

		est equipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2020.05.11	2021.05.10	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2020.05.11	2021.05.10	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2020.05.11	2021.05.10	1 year
4	Test Receiver	R&S	ESPI7	101318	2020.05.11	2021.05.10	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2020.04.11	2021.04.10	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2020.04.15	2021.04.14	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2020.04.15	2021.04.14	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2020.05.11	2021.05.10	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2020.04.15	2021.04.14	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2020.05.11	2021.05.10	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2018.04.21	2021.04.20	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2018.04.21	2021.04.20	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2018.04.21	2021.04.20	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2018.04.21	2021.04.20	3 year
16	Filter	TRILTHIC	2400MHz	29	2020.04.07	2023.04.06	3 year
17 Note:	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

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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							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2020.05.11	2021.05.10	1 year
2	LISN	R&S	ENV216	101313	2020.05.11	2021.05.10	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2020.05.11	2021.05.10	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2018.04.21	2021.04.20	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2018.04.21	2021.04.20	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2018.04.21	2021.04.20	3 year

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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.

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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

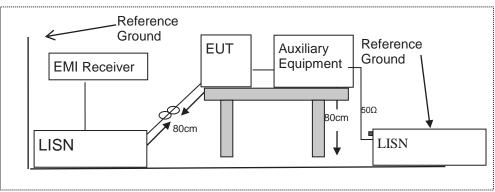
Frequency (MHz)	Conducted Emission Limit			
Frequency(MHz)	Quasi-peak	Average		
0.15-0.5	66-56*	56-46*		
0.5-5.0	56	46		
5.0-30.0	60	50		

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

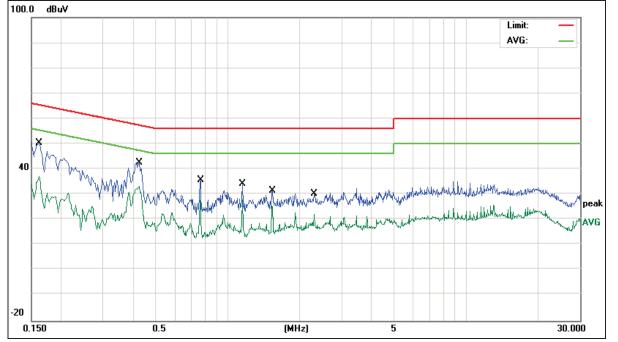
EUT:	36" 2.1 Soundbar	Model Name :	100024204
Temperature:	21.8 ℃	Relative Humidity:	43%
Pressure:	1010hPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1620	40.79	9.56	50.35	65.36	-15.01	QP
0.1620	27.53	9.56	37.09	55.36	-18.27	AVG
0.4260	32.88	9.55	42.43	57.33	-14.90	QP
0.4260	23.67	9.55	33.22	47.33	-14.11	AVG
0.7700	26.12	9.55	35.67	56.00	-20.33	QP
0.7700	18.08	9.55	27.63	46.00	-18.37	AVG
1.1539	24.47	9.56	34.03	56.00	-21.97	QP
1.1539	18.37	9.56	27.93	46.00	-18.07	AVG
1.5380	21.99	9.58	31.57	56.00	-24.43	QP
1.5380	15.75	9.58	25.33	46.00	-20.67	AVG
2.3060	20.61	9.58	30.19	56.00	-25.81	QP
2.3060	12.46	9.58	22.04	46.00	-23.96	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.





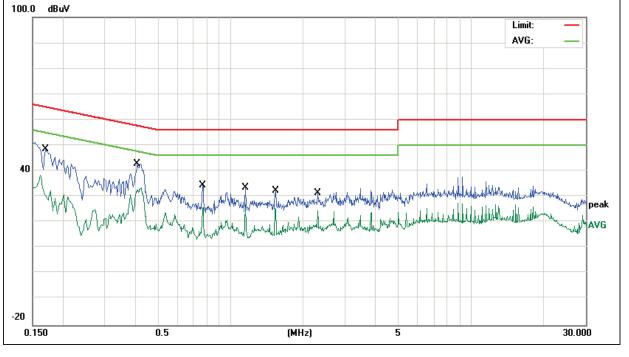
EUT:	36'' 2.1 Soundbar	Model Name :	100024204
Temperature:	21.8 °C	Relative Humidity:	43%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1700	38.88	9.55	48.43	64.96	-16.53	QP
0.1700	28.91	9.55	38.46	54.96	-16.50	AVG
0.4100	33.33	9.54	42.87	57.65	-14.78	QP
0.4100	24.15	9.54	33.69	47.65	-13.96	AVG
0.7660	24.90	9.54	34.44	56.00	-21.56	QP
0.7660	16.33	9.54	25.87	46.00	-20.13	AVG
1.1539	24.08	9.55	33.63	56.00	-22.37	QP
1.1539	17.48	9.55	27.03	46.00	-18.97	AVG
1.5380	22.82	9.57	32.39	56.00	-23.61	QP
1.5380	15.79	9.57	25.36	46.00	-20.64	AVG
2.3020	21.97	9.57	31.54	56.00	-24.46	QP
2.3020	15.00	9.57	24.57	46.00	-21.43	AVG

Remark:

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

100.0 dBuV





7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

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

7.2.2 Conformance Limit

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

	According to 1 00 1 artistication bands					
MHz	MHz	MHz	GHz			
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15			
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46			
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75			
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5			
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2			
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5			
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7			
6.26775-6.26825	123-138	2200-2300	14.47-14.5			
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2			
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4			
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12			
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0			
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8			
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5			
12.57675-12.57725	322-335.4	3600-4400	(2)			
13.36-13.41						

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

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

Limits of Radiated Emission Measurement(Above 1000MHz)

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

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

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.

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7.2.3 Measuring Instruments

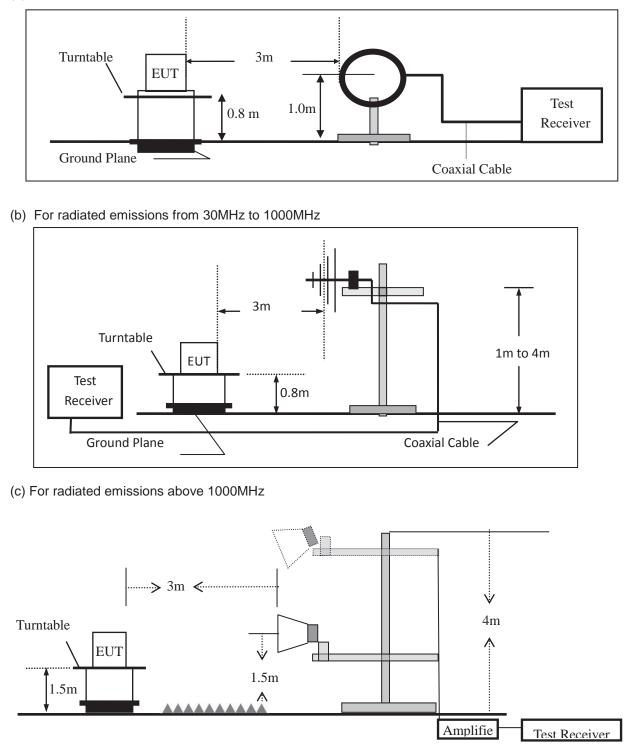
The Measuring equipment is listed in the section 6.3 of this test report.

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7.2.4 Test Configuration

(a) For radiated emissions below 30MHz





7.2.5 Test Procedure

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

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

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 / 10Hz 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						
Ab aug 4000	Peak		1 MHz						
Above 1000	Average	1 MHz	10 Hz						

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

7.2.6 Test Results

EUT:	36" 2.1 Soundbar	\mathbb{N}	lodel No.:	100024204
Temperature:	24.6 ℃	R	Relative Humidity:	54%
Test Mode:	Mode3 /Mode4/ Mode 5	Т	est By:	Mary Hu

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

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

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Spurious Emission below 1GHz (30MHz to 1GHz)

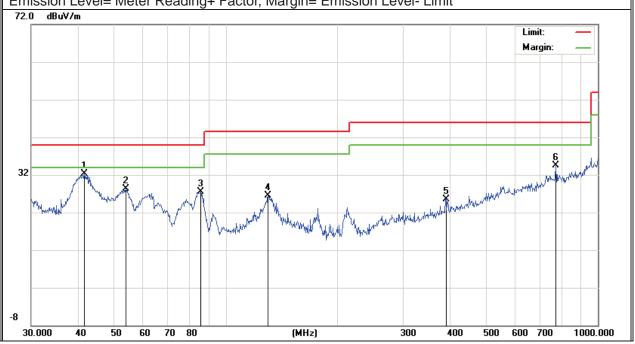
All the modulation modes have been tested, and the worst result was report as below:

EUT:	36" 2.1 Soundbar	Model Name :	100024204
Temperature:	24.6 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Mode:	Mode 1
Test Voltage :	AC 120V/60Hz		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	41.7129	19.49	12.89	32.38	40.00	-7.62	QP
V	53.8818	21.15	7.19	28.34	40.00	-11.66	QP
V	85.5977	18.31	9.18	27.49	40.00	-12.51	QP
V	129.9226	14.02	12.56	26.58	43.50	-16.92	QP
V	390.7226	8.26	17.34	25.60	46.00	-20.40	QP
V	771.4486	9.56	24.86	34.42	46.00	-11.58	QP

Remark:

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





Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	86.5029	22.65	9.29	31.94	40.00	-8.06	QP
Н	114.1138	16.26	12.21	28.47	43.50	-15.03	QP
Н	173.8135	15.82	10.30	26.12	43.50	-17.38	QP
Н	289.0021	12.02	14.32	26.34	46.00	-19.66	QP
Н	410.3825	11.40	17.95	29.35	46.00	-16.65	QP
Н	771.4486	9.56	24.86	34.42	46.00	-11.58	QP
72.0	dBu¥/m					Limit: Margin:	
				Mun un u		Jer manufic and a	urbane Minorek
-8							
30.00	0 40 50 60) 70 80	(MF	1_)	300 400 5	00 600 700	1000.000



EUT:		36" 2.1 So	undbar		\mathbb{N}	Node	el No.:		100024	204		
Femperatur	e:	20 ℃			R	Relat	ive Humi	dity:	48%			
Test Mode:	st Mode: Mode3/ Mode4 / Mod			de5	Т	Test I	By:		Mary Hu			
All the modulation modes have been tested, and the worst result was report as below:												
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emissio Level		Limits	Margin	Rei	nark	Comment	
(MHz)	(dBµV)) (dB)	dB/m	(dB)	(dBµV/n	m)	(dBµV/m)	(dB)				
Low Channel (2402 MHz)(8-DPSK)Above 1G												
4804.02	67.28	5.21	35.59	44.30	63.78	8	74.00	-10.22	F	۶k	Vertical	
4804.02	43.81	5.21	35.59	44.30	40.31	1	54.00	-13.69	A	٨V	Vertical	
7206.25	61.37	6.48	36.27	44.60	59.52	2	74.00	-14.48	F	۶k	Vertical	
7206.25	42.78	6.48	36.27	44.60	40.93	3	54.00	-13.07	A	٨V	Vertical	
4804.31	64.02	5.21	35.55	44.30	60.48	8	74.00	-13.52	F	Pk	Horizontal	
4804.31	41.61	5.21	35.55	44.30	38.07	7	54.00	-15.93	ŀ	٨V	Horizontal	
7206.83	62.47	6.48	36.27	44.52	60.70	0	74.00	-13.30	F	۶k	Horizontal	
7206.83	40.60	6.48	36.27	44.52	38.83 54.00			-15.17 AV		٨V	Horizontal	
<u> </u>			Mid C	Channel (24	41 MHz)((8-DP	PSK)Above	e 1G				
4882.09	65.02		35.66	44.20	61.69		74.00	-12.31		Pk	Vertical	
4882.09	43.15	5.21	35.66	44.20	39.82	2	54.00	-14.18	ŀ	٨V	Vertical	
7323.18	62.72	7.10	36.50	44.43	61.89	9	74.00	-12.11	F	۶k	Vertical	
7323.18	42.74	7.10	36.50	44.43	41.91	1	54.00	-12.09	ŀ	٨V	Vertical	
4882.49	63.66		35.66	44.20	60.33	3	74.00	-13.67		۷k	Horizontal	
4882.49	41.79	5.21	35.66	44.20	38.46	6	54.00	-15.54		٨V	Horizontal	
7324.35	63.98	7.10	36.50	44.43	63.15		74.00	-10.85	F	۷k	Horizontal	
7324.35	41.49	7.10	36.50	44.43	40.66		54.00	-13.34	A	٨V	Horizontal	
ļ			T	hannel (248	30 MHz)(8	8-DP	SK) Abo	ve 1G				
4959.89	65.39		35.52	44.21	61.91		74.00	-12.09		۶k	Vertical	
4959.89	43.91		35.52	44.21	40.43	3	54.00	-13.57		٨V	Vertical	
7439.79	63.70	- i	36.53	44.60	62.73		74.00	-11.27		۷k	Vertical	
7439.79	43.18		36.53	44.60	42.21	- 1	54.00	-11.79		٨V	Vertical	
4960.02	63.17		35.52	44.21	59.69		74.00	-14.31		۶k	Horizontal	
4960.02	41.11	5.21	35.52	44.21	37.63	3	54.00	-16.37	A	٨V	Horizontal	
7440.61	62.67	7.10	36.53	44.60	61.70	0	74.00	-12.30	F	۶k	Horizontal	
7440.61	42.27	7.10	36.53	44.60	41.30	0	54.00	-12.70	L A	٨V	Horizontal	

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Note:

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



UT:	36"	2.1 Sour	ndbar		Model N	lo.:	100	024204			
emperature:	20 °	C			Relative	Humidity:	489	48%			
est Mode:	Mod	e2/ Mod	e4		Test By: Mary Hu						
					,						
All the modul	ation mod	les have	been test	ed, and th	e worst res	sult was rep	ort as be	elow:			
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment		
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре			
			1	Mbps(GFS	K)-Non-hop	ping					
2310.00	53.66	2.97	27.80	43.80	40.63	74	-33.37	Pk	Horizonta		
2310.00	42.74	2.97	27.80	43.80	29.71	54	-24.29	AV	Horizonta		
2310.00	52.31	2.97	27.80	43.80	39.28	74	-34.72	Pk	Vertical		
2310.00	41.34	2.97	27.80	43.80	28.31	54	-25.69	AV	Vertical		
2390.00	54.72	3.14	27.21	43.80	41.27	74	-32.73	Pk	Vertical		
2390.00	44.76	3.14	27.21	43.80	31.31	54	-22.69	AV	Vertical		
2390.00	51.84	3.14	27.21	43.80	38.39	74	-35.61	Pk	Horizonta		
2390.00	41.30	3.14	27.21	43.80	27.85	54	-26.15	AV	Horizonta		
2483.50	53.20	3.58	27.70	44.00	40.48	74	-33.52	Pk	Vertical		
2483.50	41.67	3.58	27.70	44.00	28.95	54	-25.05	AV	Vertical		
2483.50	54.48	3.58	27.70	44.00	41.76	74	-32.24	Pk	Horizonta		
2483.50	41.08	3.58	27.70	44.00	28.36	54	-25.64	AV	Horizonta		
				1Mbps(G	FSK)-hoppir	ng					
2310.00	54.02	2.97	27.80	43.80	40.99	74	-33.01	Pk	Horizonta		
2310.00	42.02	2.97	27.80	43.80	28.99	54	-25.01	AV	Horizonta		
2310.00	54.69	2.97	27.80	43.80	41.66	74	-32.34	Pk	Vertical		
2310.00	42.87	2.97	27.80	43.80	29.84	54	-24.16	AV	Vertical		
2390.00	52.10	3.14	27.21	43.80	38.65	74	-35.35	Pk	Vertical		
2390.00	40.13	3.14	27.21	43.80	26.68	54	-27.32	AV	Vertical		
2390.00	53.98	3.14	27.21	43.80	40.53	74	-33.47	Pk	Horizonta		
2390.00	42.83	3.14	27.21	43.80	29.38	54	-24.62	AV	Horizonta		
2483.50	52.34	3.58	27.70	44.00	39.62	74	-34.38	Pk	Vertical		
2483.50	43.17	3.58	27.70	44.00	30.45	54	-23.55	AV	Vertical		
2483.50	53.22	3.58	27.70	44.00	40.50	74	-33.50	Pk	Horizonta		
2483.50	43.79	3.58	27.70	44.00	31.07	54	-22.93	AV	Horizonta		

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



Spurious Emission in Restricted Band 3260MHz-18000MHz

EUT:	36'' 2.1 Soundbar	Model No.:	100024204
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/ Mode4	Test By:	Mary Hu

All the modulation modes have been tested, and the worst result was report as below:

Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
3260	62.10	4.04	29.57	44.70	51.01	74	-22.99	Pk	Vertical
3260	45.17	4.04	29.57	44.70	34.08	54	-19.92	AV	Vertical
3260	54.51	4.04	29.57	44.70	43.42	74	-30.58	Pk	Horizontal
3260	43.67	4.04	29.57	44.70	32.58	54	-21.42	AV	Horizontal
3332	63.70	4.26	29.87	44.40	53.43	74	-20.57	Pk	Vertical
3332	44.31	4.26	29.87	44.40	34.04	54	-19.96	AV	Vertical
3332	60.59	4.26	29.87	44.40	50.32	74	-23.68	Pk	Horizontal
3332	47.68	4.26	29.87	44.40	37.41	54	-16.59	AV	Horizontal
17797	49.97	10.99	43.95	43.50	61.41	74	-12.59	Pk	Vertical
17797	37.77	10.99	43.95	43.50	49.21	54	-4.79	AV	Vertical
17788	54.81	11.81	43.69	44.60	65.71	74	-8.29	Pk	Horizontal
17788	34.11	11.81	43.69	44.60	45.01	54	-8.99	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 ≥ RBW

Sweep = auto

Detector function = peak Trace = max hold

7.3.6 Test Results

EUT:	36'' 2.1 Soundbar	Model No.:	100024204
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

EUT:	36'' 2.1 Soundbar	Model No.:	100024204
Temperature:	120 C	Relative Humidity:	48%
Test Mode:	Mode3 /Mode4/ Mode 5	Test By:	Mary Hu



7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

7.5.1 Applicable Standard

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

7.5.2 Conformance Limit

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

7.5.3 Measuring Instruments

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

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

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



7.5.6 Test Results

EUT:	36" 2.1 Soundbar	Model No.:	100024204
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode3 /Mode4/ Mode 5	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.
- 2. In AFH mode, hopping rate is 800 hops/s with 6 slots in 20 hopping channels. With channel hopping rate (800 / 6 / 20) in Occupancy Time Limit (0.4×20) (s), Hops Over Occupancy Time comes to $(800 / 6 / 20) \times (0.4 \times 20) = 53.33$ hops.
- 3. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time



7.6 20DB BANDWIDTH TEST

7.6.1 Applicable Standard

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

7.6.2 Conformance Limit

No limit requirement.

7.6.3 Measuring Instruments

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

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

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

7.6.6 Test Results

EUT:	36'' 2.1 Soundbar	Model No.:	100024204
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode3 /Mode4/ Mode 5	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: 36" 2.1 Soundbar		Model No.:	100024204
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode3 /Mode4/ Mode 5	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 §15.205(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:	36'' 2.1 Soundbar	Model No.:	100024204
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode3 /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 30MHz 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 partyshall be used with the device.

7.10.2 Result

The EUT antenna is permanent attached PCB antenna (Gain: 2 dBi). It comply with the standard requirement.

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

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

Certificate #4298.01

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.

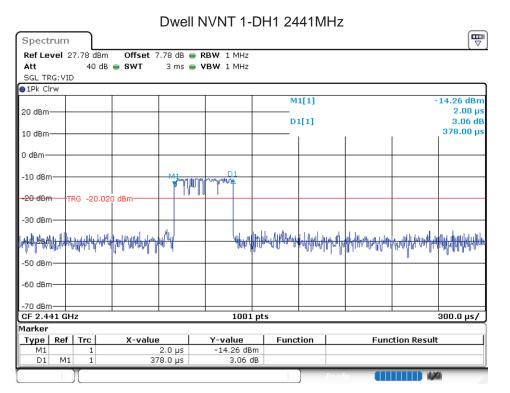
The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.



8 TEST RESULTS

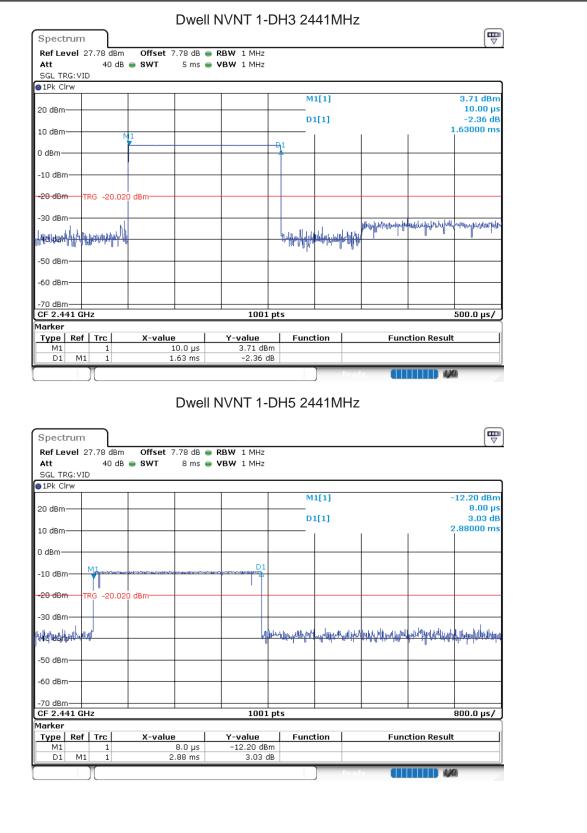
8.1 DWELL TIME

		_						
	Condition	Mode	Frequency	Pulse	Total Dwell	Period	Limit	Verdict
			(MHz)	Time (ms)	Time (ms)	Time (ms)	(ms)	
	NVNT	1-DH1	2441	0.378	120.96	31600	400	Pass
	NVNT	1-DH3	2441	1.63	260.8	31600	400	Pass
	NVNT	1-DH5	2441	2.88	307.2	31600	400	Pass
	NVNT	2-DH1	2441	0.387	123.84	31600	400	Pass
	NVNT	2-DH3	2441	1.62	259.2	31600	400	Pass
	NVNT	2-DH5	2441	2.864	305.493	31600	400	Pass
	NVNT	3-DH1	2441	0.387	123.84	31600	400	Pass
	NVNT	3-DH3	2441	1.615	258.4	31600	400	Pass
[NVNT	3-DH5	2441	2.864	305.493	31600	400	Pass



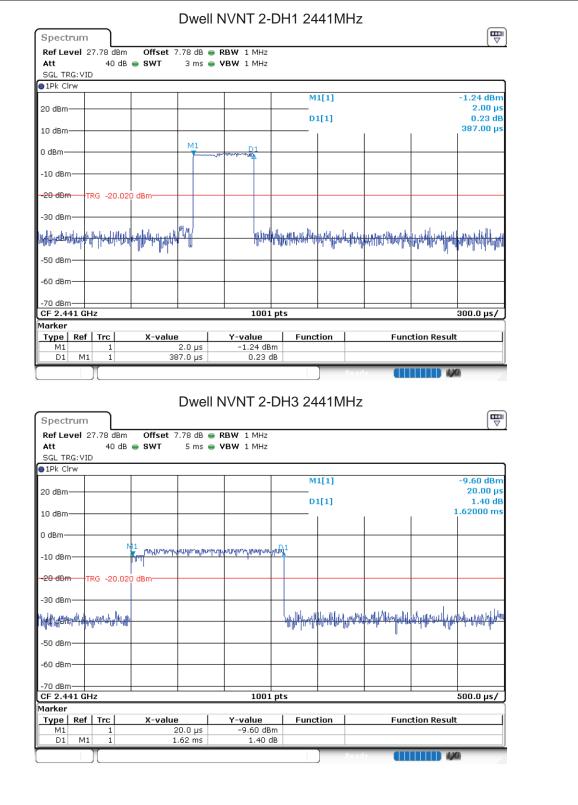


Report No.: S20122802902001



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Ref Level 27				RBW 1 MHz					
Att SGL TRG: VID	40 dB	SWT	8 ms 😑	VBW 1 MHz					
1Pk Clrw									
					М	1[1]			-9.62 dBm
20 dBm									24.00 µs
					D	1[1]			1.61 dB
10 dBm				1	1		1		2.86400 ms
0 dBm									
-10 dBm	1 MINTONTO	<u>በ ምንም የቀ</u> ለም የ	n land and a state of the state	ปมงาณสารการสา					
-20 dBm TR	G -20.020) dBm							
-30 dBm									
					a hard same	Jul	I to an description	, that is a set	dama a constanta
tappagenter and the	J			-	AN TATAL MARKING	1 Haller Carller Filler	al metale and a second	HAMBAN	wedrad ha
FO dD-									
-50 dBm									
-60 dBm									
-70 dBm									
CF 2.441 GH	z			100	1 pts				800.0 µs/
Marker	Tunl	X1	_ 1	V			-	*! *	
Type Ref M1	1 Trc	X-value	e 24.0 μs	<u>Y-value</u> -9.62 d	Func Bm	tion	Fund	tion Resu	IT
D1 M1	1		864 ms	-9.02 u					
						Rea	dv		XA
-			_		-DH1 24	41MHz	Ζ		
Spectrum Ref Level 27 Att		Offset 7	7.78 dB 👄	NVNT 3 RBW 1 MHz VBW 1 MHz	:	41MHz	Z		
Ref Level 27 Att SGL TRG: VID			7.78 dB 👄	RBW 1 MHz	:	41MHz	Z		
Ref Level 27 Att			7.78 dB 👄	RBW 1 MHz			<u>Z</u>		
Ref Level 27 Att SGL TRG: VID			7.78 dB 👄	RBW 1 MHz		41MHz	<u>z</u>		₩ -2.54 dBm 2.00 μs
Ref Level 27 Att SGL TRG: VID 1Pk Clrw			7.78 dB 👄	RBW 1 MHz	M		2		-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID 1Pk Clrw			7.78 dB 👄	RBW 1 MHz	M	1[1]	Z		-2.54 dBm 2.00 μs
Ref Level 27 Att SGL TRG: VID 9 1Pk Clrw 20 dBm 10 dBm 10 dBm			7.78 dB 👄	RBW 1 MHz	M	1[1]	z 		-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID 1Pk Clrw 20 dBm			7.78 dB ● 3 ms ●	RBW 1 MHz	M	1[1]	z		-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID SGL TRG: VID 1Pk Clrw 20 dBm 10 dBm 0 dBm 0 dBm		SWT	7.78 dB ● 3 ms ●	RBW 1 MHz VBW 1 MHz	M	1[1]	z		-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID SGL TRG: VID 1Pk Clrw 20 dBm 10 dBm 0 dBm 0 dBm	40 dB	SWT	7.78 dB ● 3 ms ●	RBW 1 MHz VBW 1 MHz	M	1[1]	z		-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	M	1[1]			-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm	40 dB	SWT	7.78 dB ● 3 ms ●	RBW 1 MHz VBW 1 MHz	M	1[1]			-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	M	1[1]			-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	M	1[1]			-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	M	1[1]		₽ _₽ ₽ <mark>₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽</mark>	-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	M M M M M M M M M M M M M	1[1]		<mark>₽₽₽<mark>₽₽₽</mark>₩₽₽₩₽₽</mark>	-2.54 dBm 2.00 μs 0.54 dB 387.00 μs
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -70 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	M	1[1]			-2.54 dBm 2.00 μs 0.54 dB
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm CF 2.441 GHz Marker	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MH2 VBW 1 MH2	 				-2.54 dBm 2.00 µs 0.54 dB 387.00 µs
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -60 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	 1 pts Г unc			tion Resu	-2.54 dBm 2.00 µs 0.54 dB 387.00 µs
Ref Level 27 Att SGL TRG: VID 1Pk Clrw 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -60 dBm -70 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	 _			tion Resul	-2.54 dBm 2.00 µs 0.54 dB 387.00 µs
Ref Level 27 Att SGL TRG: VID IPk Clrw 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -60 dBm	40 dB	SWT	7.78 dB • 3 ms •	RBW 1 MHz VBW 1 MHz	 _			tion Resul	-2.54 dBm 2.00 µs 0.54 dB 387.00 µs

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Ref Level 27.78 dBm Att 40 dB	Offset 7.78 dB ● F SWT 5 ms ● V	VBW 1 MHz				
SGL TRG: VID 1Pk Clrw						
20 dBm			M1[1]			25 dBm 20.00 µs
			D1[1]			2.04 dB
10 dBm					1.6	1500 ms
0 dBm						
-10 dBm TRG -10 020	dBm Man Walter Market	nympromen Ry				
-20 dBm						
-30 dBm			1 16 AL			
Martal Martal And			Los wheel wheel wheel wheel	allogen and the state of the st	[®] leftfing-lift of high fligh	en filip produced and a second s
-50 dBm		· · ·				,
-60 dBm						
-60 0811						
-70 dBm CF 2.441 GHz		1001 pts			50	0.0 µs/
Marker						
TypeRefTrcM11	X-value -120.0 μs	Y-value -11.25 dBm	Function	Funct	tion Result	
D1 M1 1	1.615 ms Dwell N Offset 7.78 dB	_	15 2441MHz	ly (111	4)4	
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG:VID	Dwell N Offset 7.78 dB • 1	NVNT 3-DH	15 2441MHz		494	
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB	Dwell N Offset 7.78 dB • 1	NVNT 3-DH RBW 1 MHz		IV (111)	-11	.11 dBm
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG:VID	Dwell N Offset 7.78 dB • 1	NVNT 3-DH RBW 1 MHz	M1[1]			.11 dBm 20.00 µs
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID 1Pk Clrw	Dwell N Offset 7.78 dB • 1	NVNT 3-DH RBW 1 MHz			-1	.11 dBm
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID 1Pk Clrw 20 dBm 10 dBm	Dwell N Offset 7.78 dB • 1	NVNT 3-DH RBW 1 MHz	M1[1]		-1	.11 dBm 20.00 µs 3.32 dB
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG:VID 1Pk Clrw 20 dBm 0 dBm 0 dBm 41	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1	NVNT 3-DH	M1[1]		-1	.11 dBm 20.00 µs 3.32 dB
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID 1Pk Clrw 20 dBm 10 dBm 0 dBm	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1	NVNT 3-DH	M1[1]		-1	.11 dBm 20.00 µs 3.32 dB
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG:VID 1Pk Clrw 20 dBm 0 dBm 0 dBm 41	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1	NVNT 3-DH	M1[1]		-1	.11 dBm 20.00 µs 3.32 dB
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID 1Pk Clrw 20 dBm 10 dBm 0 dBm -10 dBm M1 -10 dBm M1 -10.020	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1	NVNT 3-DH	M1[1]		-1	.11 dBm 20.00 µs 3.32 dB
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID IPk CIrw 20 dBm 10 dBm 0 dBm -10 dBm -1	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1		M1[1] D1[1] 		-1 2.8	.11 dBm 20.00 µs 3.32 dB 6400 ms
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID IPk CIrw 20 dBm 10 dBm 0 dBm -10 dBm -30	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1		M1[1]		-1 2.8	.11 dBm 20.00 µs 3.32 dB 6400 ms
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID IPk CIrw 20 dBm 10 dBm 0 dBm -10 dBm -10 dBm -30	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1		M1[1] D1[1] 		-1 2.8	.11 dBm 20.00 µs 3.32 dB 6400 ms
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID IPk CIrw 20 dBm 10 dBm 0 dBm -10 dBm -30	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1		M1[1] D1[1] 		-1 2.8	.11 dBm 20.00 µs 3.32 dB 6400 ms
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID 1Pk CIrw 20 dBm 10 dBm 10 dBm -10 dBm -10 dBm -30 dBm -50 dBm -70 dBm -70 dBm	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1		M1[1] 		-1 2.8	.11 dBm 20.00 µs 3.32 dB 6400 ms
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID 91Pk CIrw 20 dBm 10 dBm 10 dBm 16 -10.020 -20 dBm 76 -10.020 -30 dBm -30 dBm -60 dBm -60 dBm -70 dBm -70 dBm	Dwell N Offset 7.78 dB • 1 SwT 8 ms • 1		M1[1] 		-1 2.8	.11 dBm 20.00 µs 3.32 dB 6400 ms
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID 1Pk CIrw 20 dBm 10 dBm 10 dBm -10 dBm -10 dBm -30 dBm -50 dBm -70 dBm -70 dBm	Dwell N Offset 7.78 dB SwT 8 ms V	NVNT 3-DH	M1[1] 	huluhuhuhu	-1 2.8	.11 dBm 20.00 µs 3.32 dB 6400 ms
D1 M1 1 Spectrum Ref Level 27.78 dBm Att 40 dB SGL TRG: VID 910 dBm 10 dBm 10 dBm 10 dBm 76 -10.020 -20 dBm 76 -10.020 -20 dBm 76 -10.020 -20 dBm 76 -10.020 -70 dBm 77 dBm -70 dBm 77 dBm -70 dBm 77 dBm	Dwell N Offset 7.78 dB SwT 8 ms	NVNT 3-DH		huluhuhuhu	-1 2.8 	.11 dBm 20.00 µs 3.32 dB 6400 ms





8.2 MAXIMUM CONDUCTED OUTPUT POWER

		• • • • • • • • • • • •				
Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant 1	-0.61	30	Pass
NVNT	1-DH5	2441	Ant 1	-1.10	30	Pass
NVNT	1-DH5	2480	Ant 1	-0.75	30	Pass
NVNT	2-DH5	2402	Ant 1	1.70	20.97	Pass
NVNT	2-DH5	2441	Ant 1	1.32	20.97	Pass
NVNT	2-DH5	2480	Ant 1	1.41	20.97	Pass
NVNT	3-DH5	2402	Ant 1	2.39	20.97	Pass
NVNT	3-DH5	2441	Ant 1	1.96	20.97	Pass
NVNT	3-DH5	2480	Ant 1	1.96	20.97	Pass

Power NVNT 1-DH5 2402MHz Ant1

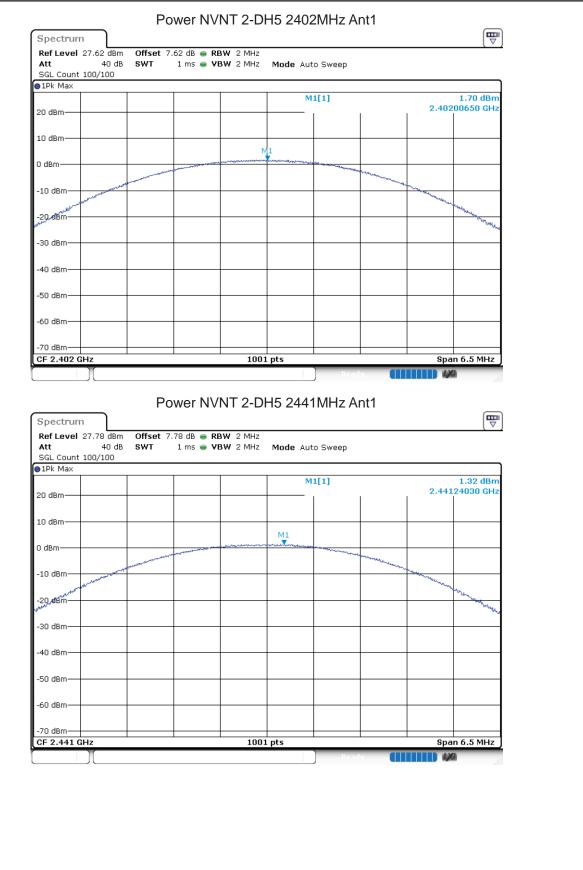
Att 40 dB SWT 1 ms VBW 2 MHz Mode Auto Sweep SGL Count 300/300 Image: Superstand Structure M1[1] -0.61 dB 9 IPk Max M1[1] -0.61 dB 20 dBm M1 Image: Superstand Structure Image: Superstand Structure 10 dBm M1 M1 Image: Superstand Structure Image: Superstand Structure 0 dBm M1 Image: Superstand Structure M1 Image: Superstand Structure Image: Superstand Structure -10 dBm M1 Image: Superstand Structure Image: Superstand Structure Image: Superstand Structure Image: Superstand Structure -20 dBm Image: Superstand Structure -30 dBm Image: Superstand Structure -60 dBm Image: Superstand Structure Image: Superstand Structure Image: Superstand Structure Image: Superstand Structure	Spectrum Ref Level 30.62 dBi	∞ Offcot 7	.62 dB 👄 RBW 2 MHz			(▽
IPk Max M1[1] -0.61 dB 20 dBm M1 0.61 dB 10 dBm M1 0 0 dBm M1 0 -10 dBm M1 0 -20 dBm -0.61 dB -0.61 dB -30 dBm -0.61 dB -0.61 dB -50 dBm -0.61 dB -0.61 dB -60 dBm -0.61 dB -0.61 dB	Att 40 d		-	Mode Auto Sweep		
20 dBm 2.40176020 G 10 dBm 11 dBm 0 dBm 11 dBm -10 dBm 11 dBm -20 dBm 11 dBm -20 dBm 11 dBm -30 dBm 11 dBm -50 dBm 11 dBm -60 dBm 11 dBm						
10 dBm M1 Image: Constraint of the second s				M1[1]		-0.61 dBm 76020 GHz
M1 M1 10 dBm 10 dBm 20 dBm 10 dBm 30 dBm 10 dBm 30 dBm 10 dBm 40 dBm 10 dBm 50 dBm 10 dBm 60 dBm 10 dBm	20 dBm					
0 dBm - - - - - 10 dBm - - - - - 20 dBm - - - - - 30 dBm - - - - - 40 dBm - - - - - 50 dBm - - - - - 60 dBm - - - - -	10 dBm					
20 dBm) dBm					
30 dBm	10 dBm				 	
40 dBm	-20 dBm-					
40 dBm	20 dBm					
50 dBm						
60 dBm						
	50 dBm					
	-60 dBm					
CF 2.402 GHz 1001 pts Span 5.0 MH	CF 2.402 GHz		100	1 pts	Spar	n 5.0 MHz



Ref Level 27.78 dBm Att 40 dB SGL Count 100/100	Offset 7 SWT	.78 dB 👄 RBW : 1 ms 👄 VBW :		Mode Aut	o Sweep			
1Pk Max				м	1[1]			-1.10 dBm
20 dBm					1[1]			89510 GHz
LO dBm								
) dBm			M1					
10 dBm								
20 dBm								
20 40								
30 dBm								
40 dBm		+						
50 dBm								
60 dBm								
70 dBm								
							0	n 5.0 MHz
Spectrum) Read	nt1	9ha	(The second seco
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100			• 1-Dł 2 MHz	H5 248(nt1	5µa	
Spectrum Ref Level 27.60 dBm Att 40 dB	Offset 7	.60 dB 🔵 RBW :	• 1-Dł 2 MHz	H5 248(Mode Aut		nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100	Offset 7	.60 dB 🔵 RBW :	• 1-Dł 2 MHz	H5 248(Mode Aut	o Sweep	nt1		
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 01Pk Max 20 dBm	Offset 7	.60 dB 🔵 RBW :	• 1-Dł 2 MHz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 11Pk Max	Offset 7	.60 dB 🔵 RBW :	² 1-Di 2 мнz 2 мнz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 01Pk Max 20 dBm	Offset 7	.60 dB 🔵 RBW :	• 1-Dł 2 MHz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 11Pk Max 20 dBm 10 dBm	Offset 7	.60 dB 🔵 RBW :	² 1-Di 2 мнz 2 мнz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 10Pk Max 20 dBm 10 dBm 10 dBm	Offset 7	.60 dB 🔵 RBW :	² 1-Di 2 мнz 2 мнz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 11Pk Max 20 dBm 10 dBm	Offset 7	.60 dB 🔵 RBW :	² 1-Di 2 мнz 2 мнz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 10Pk Max 20 dBm 10 dBm 10 dBm	Offset 7	.60 dB 🔵 RBW :	2 MHz 2 MHz 2 MHz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 10Pk Max 20 dBm 10 dBm 10 dBm 20 dBm 30 dBm	Offset 7	.60 dB 🔵 RBW :	2 MHz 2 MHz 2 MHz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 10Pk Max 20 dBm 10 dBm 20 dBm 20 dBm	Offset 7	.60 dB 🔵 RBW :	2 MHz 2 MHz 2 MHz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 10Pk Max 20 dBm 10 dBm 10 dBm 20 dBm 30 dBm	Offset 7	.60 dB 🔵 RBW :	2 MHz 2 MHz 2 MHz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 1Pk Max 20 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	Offset 7	.60 dB 🔵 RBW :	2 MHz 2 MHz 2 MHz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 10 Pk Max 20 dBm 10 dBm 20 dBm 20 dBm 40 dBm 40 dBm	Offset 7	.60 dB 🔵 RBW :	2 MHz 2 MHz 2 MHz	H5 248(Mode Aut	o Sweep	nt1		-0.75 dBm
Spectrum Ref Level 27.60 dBm Att 40 dB SGL Count 100/100 1Pk Max 20 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	Offset 7	.60 dB 🔵 RBW :	2 MHz 2 MHz 2 MHz	H5 248(o Sweep	nt1	2.479	-0.75 dBm

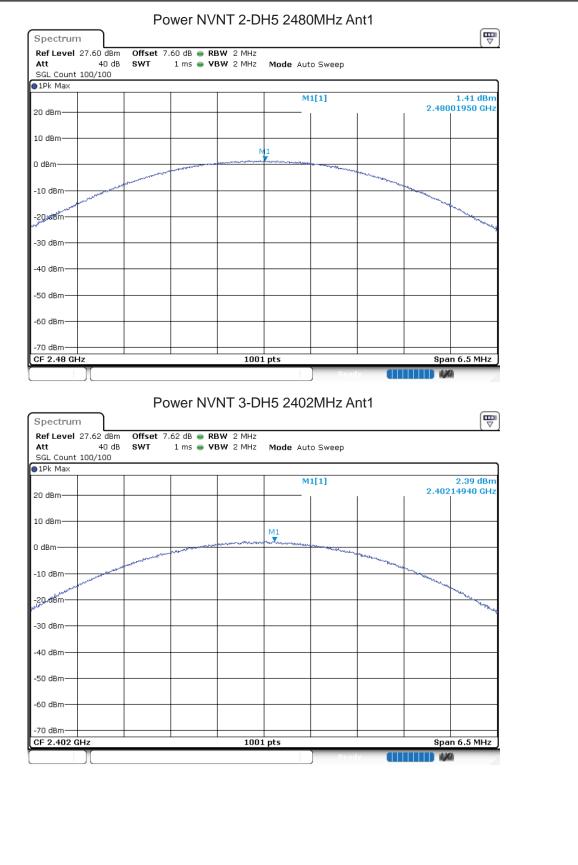
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8.3 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency	Antenna	-20 dB	Verdict
		(MHz)		Bandwidth	
				(MHz)	
NVNT	1-DH5	2402	Ant 1	0.932	Pass
NVNT	1-DH5	2441	Ant 1	0.928	Pass
NVNT	1-DH5	2480	Ant 1	0.932	Pass
NVNT	2-DH5	2402	Ant 1	1.328	Pass
NVNT	2-DH5	2441	Ant 1	1.326	Pass
NVNT	2-DH5	2480	Ant 1	1.326	Pass
NVNT	3-DH5	2402	Ant 1	1.282	Pass
NVNT	3-DH5	2441	Ant 1	1.28	Pass
NVNT	3-DH5	2480	Ant 1	1.28	Pass

ACCREDITED

Certificate #4298.01

-20 dB BW NVNT 1-DH5 2402MHz Ant1



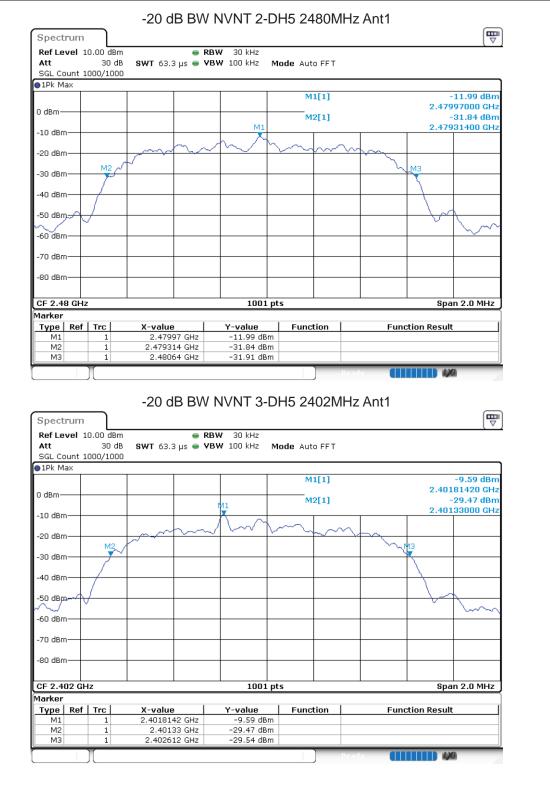




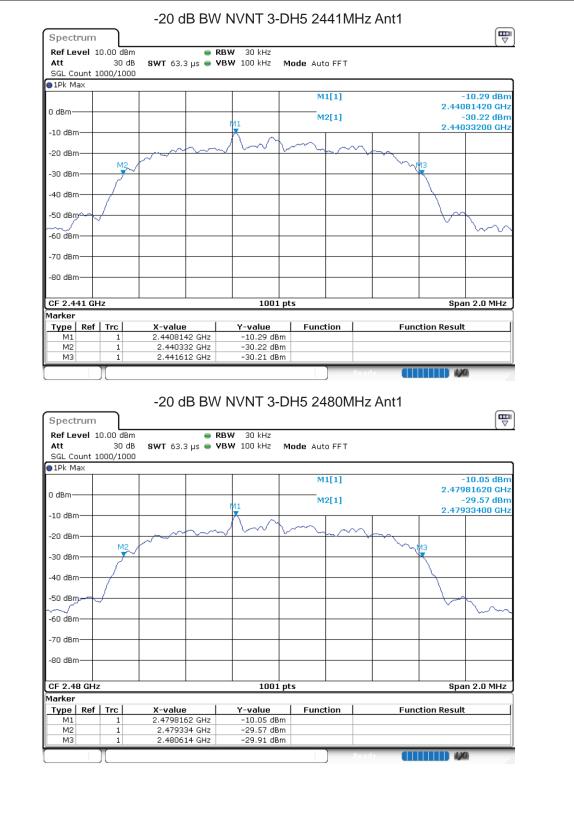










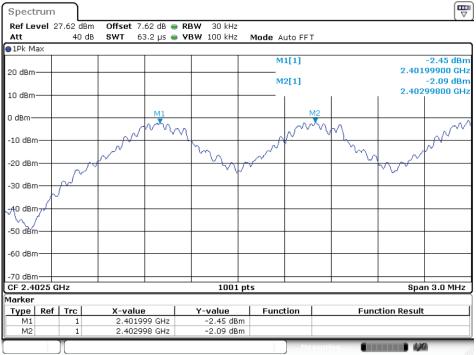




8.4 CARRIER FREQUENCIES SEPARATION

•						
Condition	Mode	Hopping Freq1	Hopping Freq2	HFS	Limit	Verdict
		(MHz)	(MHz)	(MHz)	(MHz)	
NVNT	1-DH5	2401.999	2402.998	0.999	0.932	Pass
NVNT	1-DH5	2440.984	2441.989	1.005	0.928	Pass
NVNT	1-DH5	2478.978	2479.98	1.002	0.932	Pass
NVNT	2-DH5	2401.978	2402.986	1.008	0.885	Pass
NVNT	2-DH5	2440.975	2441.98	1.005	0.884	Pass
NVNT	2-DH5	2478.975	2479.98	1.005	0.855	Pass
NVNT	3-DH5	2401.978	2402.977	0.999	0.855	Pass
NVNT	3-DH5	2440.978	2441.977	0.999	0.853	Pass
NVNT	3-DH5	2479.002	2479.977	0.975	0.853	Pass

CFS NVNT 1-DH5 2402MHz

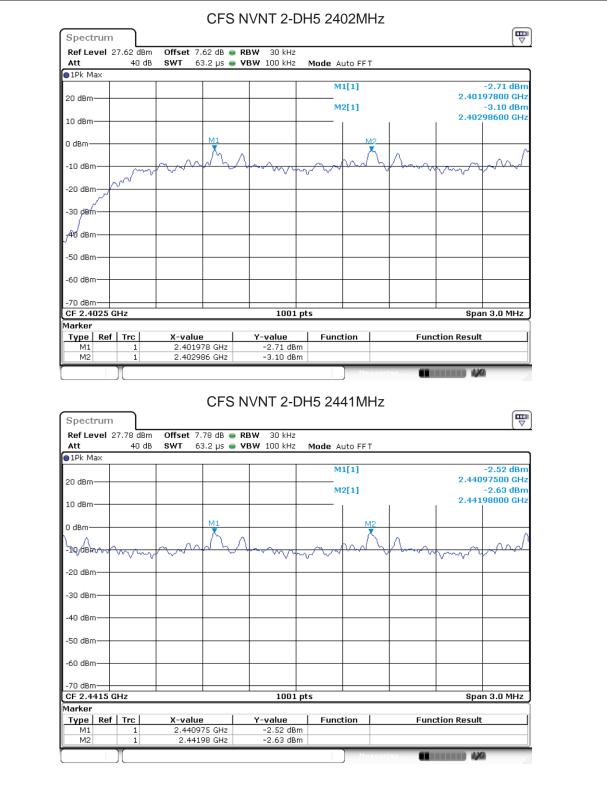






ACCREDITED

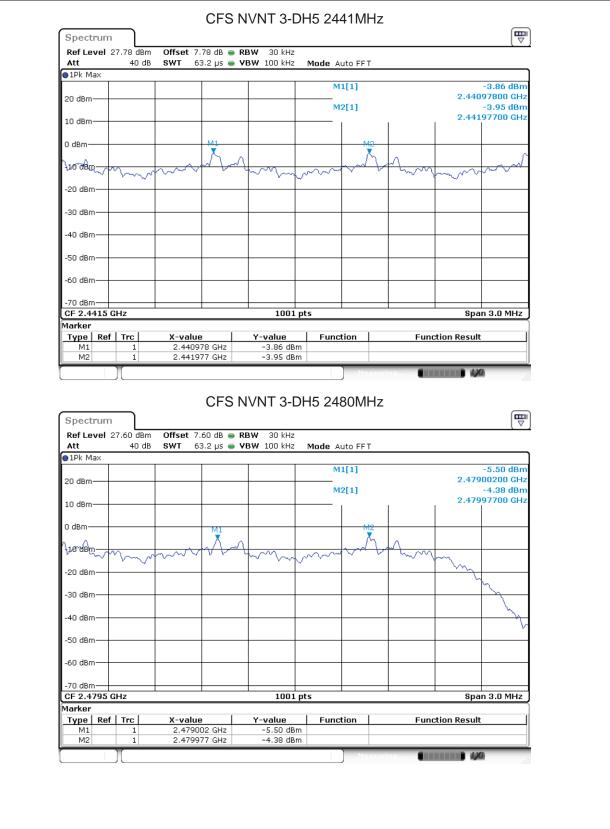








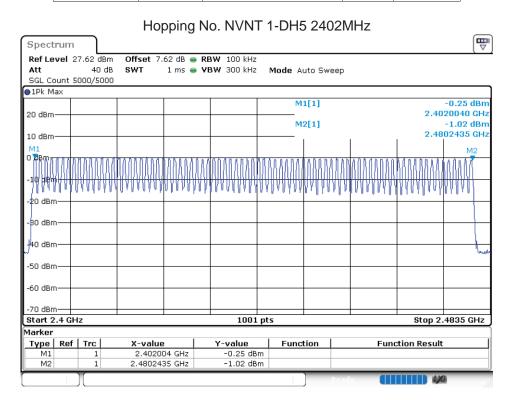






8.5 NUMBER OF HOPPING CHANNEL

 	-				
Condition	Mode	Hopping Number	Limit	Verdict	
NVNT	1-DH5	79	15	Pass	

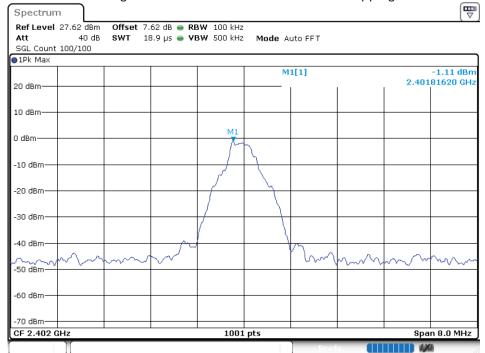




8.6 BAND EDGE

0.0 DANDEL							
Condition	Mode	Frequency	Antenna	Hopping	Max Value	Limit	Verdict
		(MHz)		Mode	(dBc)	(dBc)	
NVNT	1-DH5	2402	Ant 1	No-Hopping	-40.23	-20	Pass
NVNT	1-DH5	2402	Ant 1	Hopping	-37.9	-20	Pass
NVNT	1-DH5	2480	Ant 1	No-Hopping	-42.14	-20	Pass
NVNT	1-DH5	2480	Ant 1	Hopping	-40.03	-20	Pass
NVNT	2-DH5	2402	Ant 1	No-Hopping	-38.57	-20	Pass
NVNT	2-DH5	2402	Ant 1	Hopping	-39.19	-20	Pass
NVNT	2-DH5	2480	Ant 1	No-Hopping	-39.77	-20	Pass
NVNT	2-DH5	2480	Ant 1	Hopping	-40.56	-20	Pass
NVNT	3-DH5	2402	Ant 1	No-Hopping	-40.76	-20	Pass
NVNT	3-DH5	2402	Ant 1	Hopping	-38.39	-20	Pass
NVNT	3-DH5	2480	Ant 1	No-Hopping	-39.56	-20	Pass
NVNT	3-DH5	2480	Ant 1	Hopping	-39.38	-20	Pass

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref





	62 dBm 40 dB			RBW 100 kHz					
Att SGL Count 100		SWT 22	7.5 µs 🔲 \	/ BW 500 kHz	Mode A	Auto FFT			
●1Pk Max									
20 dBm					M	1[1]		0.404	-1.79 dBm
20 dBm-					M	2[1]			195000 GHz -46.26 dBm
10 dBm									000000 GHz
0 dBm									M1
									1
-10 dBm									
-20 dBm-01	-21.108	dBm							
-30 dBm									
				M4					
-40 dBm	باللا مناه	us Arthuri	me property	ad and margaret	. ha a data d	بوابد بلام مردور	the later	N M3	May Way
-50 dBm	Lino Minor	pour officients	ettede	1	mound first - 0. Official	y war rainayron	alan an an Calif an ann	an ada cada anna dallana	1 MVA 4001
-60 dBm									
-70 dBm Start 2.306 GI	17			1001	ntc			Pto-	2.406 GHz
Marker	12			1001	prs			stup	2.400 GHZ
Type Ref	Trc	X-value		Y-value	Funct	tion 📃	Fund	tion Result	t l
M1 M2	1	2.4019	95 GHz 4 GHz	-1.79 dBr -46.26 dBr					
M3	1		I9 GHz	-46.00 dBr					
M4	1	2.349	6 GHz	-41.34 dBr	n				
Ref Level 27. Att	40 dB			3W 100 kHz BW 300 kHz	Mode Au	uto FFT			
SGL Count 800 91Pk Max	0/8000								
• тек мах					M	1[1]			-2.21 dBm
20 dBm						-[-]		2.403	315080 GHz
10 dBm									
				~~~	~	M1		~~	
10 dBm					$\gamma$	M1	<u></u>	~	
10 dBm					<u> </u>	M1	$ \frown $		
10 dBm					$\overline{\mathbf{V}}$		$ \land $		
10 dBm						M1	$\bigwedge$		
10 dBm						MI	$\bigwedge$		
10 dBm						MI	$\bigwedge$		
10 dBm									
10 dBm									
10 dBm			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						



Spectrum Ref Level 27 Att	40 dB			<b>RBW</b> 100 kH <b>VBW</b> 300 kH		Auto FFT			
SGL Count 12 1Pk Max	00/1200								
TEK Man					м	1[1]			-3.04 dBm
20 dBm					M	2[1]			95000 GHz 45.23 dBm
10 dBm						2[1]			00000 GHz
0 dBm									M1
-10 dBm									
-20 dBm-01	22.206	d8m							W
-30 dBm	-22,200	ubin							
-40 dBm			M4					40	112
chains when have	million	water	mar Mandag	when more have made	maternarya	watermathy	ohalleysearch	and an	10121 10121
-50 dBm									
-60 dBm									
-70 dBm Start 2.306 G	Hz			1001	pts			Stop 2	2.406 GHz
Marker									
Type Ref M1	1 1	<u>X-value</u> 2,403	95 GHz	<u>Y-value</u> -3.04 dB	Function	tion	Fund	tion Result	
M2	1	2	.4 GHz	-45.23 dB	m				
				-44.62 dB	m				
M3 M4	1		87 GHz 03 GHz	-40.11 dB					
M3 M4	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 248	BOMHz /		o-Hoppir	ng Ref	
M3 M4 Spectrum Ref Level 27 Att SGL Count 10	1 Band .60 dBm 40 dB	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB	BOMHz /		o-Hoppir	ng Ref	
M3 M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max	1 Band .60 dBm 40 dB	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 248	BOMHZ /		p-Hoppir		-1.16 dBm 81620 GHz
M3 M4 Spectrum Ref Level 27 Att	1 Band .60 dBm 40 dB	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 248	BOMHZ /	uto FFT	o-Hoppir		-1.16 dBm
M3 M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm	1 Band .60 dBm 40 dB	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 248	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3 M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3 M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3         M4           Spectrum         Ref Level 27           Att         SGL Count 10           1Pk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -10 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3         M4           M4         M4           Spectrum         Ref Level 27           Att         SGL Count 10           1Pk Max         20 dBm           10 dBm         0 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3         M4           Spectrum         Ref Level 27           Att         SGL Count 10           1Pk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -10 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3         M4           M4         M4           Spectrum         Ref Level 27           Att         SGL Count 10           IPk Max         20 dBm           10 dBm         0 dBm           -10 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3 M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3         M4           M4         M4           Spectrum         Ref Level 27           Att         SGL Count 10           IPk Max         20 dBm           10 dBm         0 dBm           -10 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3         M4           Spectrum         Ref Level 27           Att         SGL Count 10           ● IPk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -20 dBm           -30 dBm         -30 dBm           -40 dBm         -50 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3         M4           Spectrum         Ref Level 27           Att         SGL Count 10           IPk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -20 dBm           -30 dBm         -40 dBm	1 Band	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	BOMHZ /	uto FFT	p-Hoppir		-1.16 dBm
M3         M4           M4         Spectrum           Ref Level 27         Att           SGL Count 10         IPk Max           20 dBm         10 dBm           10 dBm         -0 dBm           -20 dBm         -30 dBm           -30 dBm         -60 dBm           -70 dBm         -70 dBm	1 Band .60 dBm 40 dB	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB	Mode A	uto FFT	p-Hoppir	2.479	-1.16 dBm 81620 GHz
M3         M4           Spectrum         Ref Level 27           Att         SGL Count 10           ● IPk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -20 dBm           -30 dBm         -30 dBm           -40 dBm         -50 dBm	1 Band .60 dBm 40 dB	2.34 Edge N Offset 7.	03 GHZ VNT 1- 60 dB • F	-40.11 dB -DH5 24{ RBW 100 kHz /BW 300 kHz	Mode A	uto FFT	p-Hoppir	2.479	-1.16 dBm 81620 GHz



Ref Level 2 Att SGL Count 1	40 dB			<b>BW</b> 100 kH <b>BW</b> 300 kH		Auto FFT			
●1Pk Max	.00/100								
20 dBm					м	1[1]		2.479	-1.83 dBm 995000 GHz
10 dBm					м	2[1]			-44.50 dBm 350000 GHz
								2.40	550000 0112
1									
-10 dBm									
-20 CBm-D	1 -21.160	dBm <del></del>							
-30 cBm									
-40 dBm	M4	M3 Mutuality	. Ann hnu		A.L	a at a t		Maria	wybuchter
-50 dBm	nununyuun	Miles and the state of the stat	where the my	Mr. John W. P. Land	ur vilver o	how many white	you would be	Lange In man	Walderward
-60 dBm									
-70 dBm									
Start 2.476	GHz			1001	pts			Stop	2.576 GHz
Marker Type   Ref		X-value	<b>,</b> 1	Y-value	Func	tion	Func	tion Resul	t I
M1 M2	1	2.4799	95 GHz 35 GHz	-1.83 dB -44.50 dB	m				
1912			.5 GHz	-46.84 dB	m				
M3	1								
M4 Ba Spectrum Ref Level 2 Att	1 nd Edg	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE		H5 248		Ant1 Hop	oping R	a Ref (♥)
M4 Ba Spectrum Ref Level 2	1 nd Edg	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop	oping R	
M4 Ba Spectrum Ref Level 2 Att SGL Count 8	1 nd Edg	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A		Ant1 Hop		
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 1Pk Max	1 nd Edg	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop		-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 IPk Max 20 dBm 10 dBm	1 nd Edg	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop		-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 O IPk Max 20 dBm 10 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop		-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 1Pk Max 20 dBm 10 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop		-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 • 1Pk Max 20 dBm 10 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop		-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 SGL Count 8 O dBm 10 dBm 0 dBm -10 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT			-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 O 1Pk Max 20 dBm 10 dBm -10 dBm -10 dBm -30 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop		-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop		-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 O 1Pk Max 20 dBm 10 dBm -10 dBm -10 dBm -30 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT	Ant1 Hop		-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 O 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -40 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT			-1.91 dBm
M4 Ba Spectrum Ref Level 2 Att SGL Count 8 10 dBm 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	1 nd Edg 40 dB 40 dB	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	0H5 248 Mode A	uto FFT			-1.91 dBm
M4 Spectrum Ref Level 2 Att SGL Count 8 PIPK Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	1 nd Edg 40 dB 1000/8000	2.44 ge(Hopp offset 7.	89 GHZ   Ding) N\ 60 dB ● RE	/NT 1-D	Mode A	uto FFT	Ant1 Hop	2.47	-1.91 dBm 700300 GHz



Spectrun	n								
	27.60 dBm		_	RBW 100 kHz					
Att SGL Count	40 dB 2400/2400	<b>SWT</b> 2	27.5 µs 👄	<b>VBW</b> 300 kHz	Mode A	Auto FFT			
■ 1Pk Max	2400/2400								
					M:	1[1]			-1.76 dBm
20 dBm									95000 GHz
10 dBm					M	2[1]			43.69 dBm 50000 GHz
							1		
0 d8m									
10 dBm									
///// -20 dBm									
-20 0011	D1 -21.907	dBm							
-30 dBm							+		
-40 dBm		ма	when moren					Land Antoninga	
· · · ·	men rollinge	bytend to my hast	unter a come	mon war well and	mysertunger	annallowherpold	krashthomy rubulu	had and	hybran
-50 dBm									
-60 dBm				+ +			+		
-70 dBm									
Start 2.47	6 GHz			1001	pts			Stop	2.576 GHz
Marker									
Type Re M1	f Trc 1	X-value 2,479	95 GHz	<u>Y-value</u> -1.76 dBr	Funct	tion	Fund	tion Result	:
M2	1	2.48	35 GHz	-43.69 dBr	n				
M3 M4	1		2.5 GHz	-43.55 dBr					
			49 GHz	-41.94 dBr	TI				]
TTIT	1	2.40							74
Spectrun Ref Level	Band n 27.62 dBm	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240			o-Hoppii	ng Ref	
Spectrun Ref Level Att SGL Count	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	-DH5 240	)2MHz / Mode Ac		o-Hoppin	ng Ref	E Contraction (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (19977) (19977) (1997) (1997) (1997) (1997) (1997) (1997)
Spectrun Ref Level Att	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin	ng Ref	
Spectrun Ref Level Att SGL Count 1Pk Max	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au		o-Hoppin		-2.98 dBm
Spectrun Ref Level Att SGL Count	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		
Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm-	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrun Ref Level Att SGL Count 1Pk Max	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm-	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrum Ref Level Att SGL Count SGL Count 1Pk Max 20 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrum Ref Level Att SGL Count SGL Count 1Pk Max 20 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin		-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm- -10 dBm- -20 dBm- -30 dBm-	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT			-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm- 0 dBm- -10 dBm- -20 dBm-	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT	o-Hoppin	2.402	-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm- -10 dBm- -20 dBm- -30 dBm-	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT			-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT		2.402	-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT		2.402	-2.98 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band n 27.62 dBm 40 dB	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240	Mode Au	uto FFT		2.402	-2.98 dBm
Spectrum Ref Level Att SGL Count SGL Count 10 dBm	Band 27.62 dBm 40 dB 100/100	Edge N	IVNT 2- .62 db 🖷 F			uto FFT		2.402	-2.98 dBm 00800 GHz
Spectrum Ref Level Att SGL Count 9 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	Band 27.62 dBm 40 dB 100/100	Edge N	IVNT 2- .62 db 🖷 F	•DH5 240		uto FFT	o-Hoppin	2.402	-2.98 dBm 00800 GHz
Spectrum Ref Level Att SGL Count SGL Count 10 dBm	Band 27.62 dBm 40 dB 100/100	Edge N	IVNT 2- .62 db 🖷 F			uto FFT		2.402	-2.98 dBm 00800 GHz



Spectrum Ref Level		m Offset 7	.62 dB 😑	<b>RBW</b> 100 kHz	:				
Att	40 c			<b>VBW</b> 300 kHz		Auto FFT			
SGL Count	100/100								
				1 1	M	1[1]			-2.58 dBm
20 dBm		_				-[-]		2.40	195000 GHz
10 -10					M	2[1]			-47.50 dBm
10 dBm							1	2.40	000000 GHz
0 dBm									M1
-10 dBm									
-20 dBm	D1 -22.9	79 dBm							
-30 dBm		_							
-40 dBm				M4					
Hunnahar	www.uhhu	and Mummun Mar	had many	how detreparty	wouldwanth	windowing	mound	M3	www. www.
-50 dBm				[	45				
-60 dBm									
-70 dBm									
Start 2.306	i GHz			1001	pts			Stop	2.406 GHz
Marker									
Type Ref		X-value		Y-value	Func	tion	Fur	ction Resul	t
M1 M2	1		95 GHz .4 GHz	-2.58 dBr -47.50 dBr					
M3	1	2.3	39 GHz	-46.84 dBr	n				
M3 M4	and E	2.3 2.34	bing) N	-46.84 dBr -41.56 dBr	n	) 2MHz	Ant1 Ho	opping R	Kef
M3 M4 Spectrum Ref Level Att	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr	n n H5 240		Ant1 Hc	pping R	
M3 M4 Spectrum Ref Level Att SGL Count	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240		Ant1 Hc	opping R	
M3 M4 Spectrum Ref Level Att SGL Count	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar		Ant1 Hc		-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc		
M3 M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Ho		-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count ● 1Pk Max	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc		-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc		-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count INK Max 20 dBm 10 dBm 0 dBm -10 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count INK Max 20 dBm 10 dBm 0 dBm -10 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count • 1Pk Max 20 dBm 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count • 1Pk Max 20 dBm 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3           M4           Spectrum           Ref Level           Att           SGL Count           ● 1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3           M4           Spectrum           Ref Level           Att           SGL Count           ● 1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -60 dBm	1 1 27.62 dB 40 c	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	n n H5 240 Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm
M3 M4 Spectrum Ref Level Att SGL Count • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm	1 1 1 27.62 dB 40 c 8000/800	2.3 2.346 dge(Hopp m Offset 7, B swr 18	99 GHz 35 GHz Ding) N' 62 dB • R	-46.84 dBr -41.56 dBr VNT 2-D	Mode Ar	uto FFT	Ant1 Hc	2.40	-1.49 dBm



Att SGL Count 1	27.62 dBm 40 dB 1200/1200			RBW 100 kH VBW 300 kH		Auto FFT			
●1Pk Max					м	1[1]			-1.17 dBm
20 dBm					M	2[1]			295000 GHz -43.06 dBm
10 dBm						2[1]	1		000000 GHz
0 dBm									M1
-10 dBm									plink
-20 dBm	)1 -21.485	dBm							
-30 dBm									
-40 dBm			M	r				мз,	M2
-50 dBm	www.	howardshappingsongthe	sharped and a	and color and and	University	mithikitum	with the second second	and the lost	apular and
-60 dBm									
-70 dBm									
Start 2.306	GHz			1001	pts	1	1	Stop	2.406 GHz
Marker Type   Ref	Trc	X-value		Y-value	Func	tion	Fund	tion Result	t]
M1 M2	1		95 GHz .4 GHz	-1.17 dB -43.06 dB					
			39 GHz	-45.27 dB	m				
M3 M4	1		31 GHz	-40.68 dB	m				
MЗ	Band	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248	30MHz /		o-Hoppir	ng Ref	
M3 M4 Spectrum Ref Level 2 Att SGL Count 1	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248	30MHz /		o-Hoppir	ng Ref	
M3 M4 Spectrum Ref Level 2 Att	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248	30MHz / Mode A		o-Hoppir		-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248	30MHz / Mode A	uto FFT	o-Hoppir		
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 ●1Pk Max	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248	30MHz / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 20 dBm 10 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	30MHz / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 20 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248	BOMHZ / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 20 dBm 10 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	30MHz / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 9 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 20 dBm 10 dBm 0 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 9 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3           M4           Spectrum           Ref Level 2           Att           SGL Count 1           ● 1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3           M4           Spectrum           Ref Level 2           Att           SGL Count 1           • IPk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ / Mode A	uto FFT	o-Hoppir		-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ / Mode A	uto FFT			-2.26 dBm
M3           M4           Spectrum           Ref Level 2           Att           SGL Count 1           ● 1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ / Mode A	uto FFT			-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	1 Band 27.60 dBm 40 dB	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ / Mode A	uto FFT			-2.26 dBm
M3 M4 Spectrum Ref Level 2 Att SGL Count 1 • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	1 Band 1 27.60 dBm 40 dB 100/100	2.343 Edge N' Offset 7.4	31 GHz VNT 2 60 dB •	2-DH5 248 RBW 100 kHz VBW 300 kHz	BOMHZ /	uto FFT		2.479	-2.26 dBm



Ref Level 2 Att SGL Count 3	40 dB			<b>RBW</b> 100 kH <b>/BW</b> 300 kH		Auto FFT			
●1Pk Max									
20 dBm					M	1[1]		2.479	-2.20 dBm 85000 GHz
10 dBm					м	2[1]		-	-43.17 dBm 350000 GHz
0 dam									
-10 dBm									
-20 cBm	)1 -22.256	dBm							
-30 aBm									
	howhen	M3	multillerty	hourson	phral and make	mpleader and the second	appletinget	within Mutaning	Weterwetruger
-50 dBm									
-60 dBm									
Start 2.476	GHz			1001	pts	·		Stop 2	2.576 GHz
Marker									
Type Ref	Trc 1	X-value 2.47985		Y-value -2.20 dB		tion	Func	tion Result	<u>:</u>
			5 GHz	-43.17 dB					
M2 M3	1		5 GHz	-46.11 dB					
M2 M3 M4		2.3 2.4856 ge(Hoppi	ing) N	-42.03 dB	m H5 248	) Rood OMHz A	Ant1 Hop	oping R	ef
M2 M3 M4 Ba Spectrum	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB	m H5 248		× 🗰 Ant1 Hop	oping R	
M2 M3 M4 Ba Spectrum Ref Level 2 Att	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A		ant1 Hop	oping R	
M2 M3 M4 Ba Spectrum Ref Level 3 Att SGL Count 8	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 • 1Pk Max	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 •1Pk Max 20 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 • 1Pk Max 20 dBm 10 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 10 dBm 10 dBm 10 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 6 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 10 dBm 10 dBm 10 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 6 1Pk Max 20 dBm 10 dBm 10 dBm -10 dBm -20 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 O dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm	1 1 27.60 dBm 40 dB	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB /NT 2-D BW 100 kHz	m 1H5 248 Mode A	uto FFT	Ant1 Hop		-1.34 dBm
M2 M3 M4 Ba Spectrum Ref Level 2 Att SGL Count 8 • 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	1 1 27.60 dBm 40 dB 3000/8000	2.3 2.4856 ge(Hoppi Offset 7.6	5 GHZ 5 GHZ ing) N\ 0 dB • RI	-42.03 dB	Mode A	uto FFT	Ant1 Hop	2.476	-1.34 dBm



Att SGL Count	27.60 dBm 40 dB 1000/1000			<b>BW</b> 100 kH: <b>BW</b> 300 kH:		Auto FFT			
●1Pk Max					5.4	1[1]			0.00 dDm
20 dBm						1[1]		2.479	-2.20 dBm 905000 GHz
10 dBm					M:	2[1]			-44.09 dBm 350000 GHz
o dem									
-20 aBm-	D1 -21.340	dBm							
-30 dBm									
-40 dBm12	M4	MB	4						
lingur	montgiling	nor and the second	www.www.www.	munadora	monunter	moduling	hurstungithetern	when	internation
-50 dBm									
-60 dBm									
-70 dBm	01-			1001	ntc			0+	2.576 GHz
larker	GHZ			1001	pts			stup	2.370 GHZ
Type Ref	Trc 1	X-value	)5 GHz	Y-value -2.20 dBr	Funct	tion	Fund	tion Resul	t
M2	1	2.483	35 GHz	-44.09 dB	m				
M3	1		.5 GHz	-44.97 dBi -41.91 dBi					
M4	1	2.491	17 GHz						
	Band	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz /		o-Hoppir	ng Ref	
M4 Spectrum Ref Level Att SGL Count	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz /		o-Hoppir	ng Ref	
M4 Spectrum Ref Level	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au		D-Hoppir		-1.15 dBm
M4 Spectrum Ref Level Att SGL Count JPk Max	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	D-Hoppir		
M4 Spectrum Ref Level Att SGL Count IPk Max 20 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	o-Hoppir		-1.15 dBm
M4 Spectrum Ref Level Att SGL Count IPk Max 20 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level SGL Count IPk Max 20 dBm 10 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level SGL Count IPk Max 20 dBm 10 dBm 0 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level SGL Count IPk Max 20 dBm 10 dBm 0 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level SGL Count IPk Max 20 dBm 10 dBm 0 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level SGL Count ID dBm 10 dBm 10 dBm -10 dBm -20 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level SGL Count ID dBm 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level SGL Count ID dBm 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level 3 Att SGL Count ) IPk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level Att SGL Count ID dBm 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level SGL Count IPk Max O dBm O	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level Att SGL Count ID dBm 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Band 27.62 dBm 40 dB	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode Au	uto FFT	p-Hoppir		-1.15 dBm
M4 Spectrum Ref Level Att SGL Count ID dBm 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	Band 27.62 dBm 40 dB 300/300	Edge N ¹	VNT 3-[ 62 db • Re	DH5 240	)2MHz / Mode At	uto FFT	p-Hoppir	2.40:	-1.15 dBm 181620 GHz



Spectrum		0#+ -		nu teo ler					
Ref Level : Att	27.62 dBm 40 dB			<b>RBW</b> 100 kHz <b>/BW</b> 300 kHz		uto FFT			
SGL Count									
●1Pk Max									
20 dBm					M:	1[1]		2 402	-1.75 dBm 15000 GHz
20 0011					M	2[1]			46.05 dBm
10 dBm							1	2.400	00000 GHz
0 dBm									M1
10.10									1
-10 dBm									
-20 dBm	D1 -21.15	3 dBm							
-30 dBm									
				M4					
-40 dBm	Lunda Michael	In an all the set	ever petitionen	an whender the	hand the total ale	and the ca	www.	1713 Norad <b>J</b> acht 200	ward has
-50 dBm	man de anterde	bernewalker	рч: :ти <b>ј</b>		in altra altra	ւս	an Affin La Dhaireadh	un a Au îndîrî aliya	- Man
-60 dBm									
-70 dBm Start 2.306	CH7			1001	nts			Stor	2.406 GHz
Start 2.306 Marker				1001	pts			acup	
Type   Ref	Trc	X-value		Y-value	Funct	ion	Func	tion Result	
M1	1		15 GHz	-1.75 dBr					
M2 M3	1		.4 GHz	-46.05 dBr -45.77 dBr					
14101	1	2.3	39 GHz	-45.77 UDI					
M4	and Ed	2.34 ge(Hopp	oing) N	-41.92 dBr	m	) Pee 2MHz /	4 Martin Hop	oping R	ef
M4 Ba Spectrum	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr	m		Ant1 Hop	oping R	
M4 Spectrum Ref Level Att SGL Count	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240		Ant1 Hop	oping R	
M4 Spectrum Ref Level Att SGL Count 1Pk Max	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At		Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Ba Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Ba Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Ba Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm	and Ed	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	1 27.62 dBm 40 dB 8000/8000	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240 Mode At	uto FFT	Ant1 Hop		-2.27 dBm
M4 Spectrum Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -60 dBm	1 27.62 dBm 40 dB 8000/8000	2.34 ge(Hopp offset 7. swr 18	49 GHz Ding) N\ 62 dB ● RI	-41.92 dBr /NT 3-D BW 100 kHz	m H5 240	uto FFT	Ant1 Hop	2.403	-2.27 dBm



Att	27.62 dBm 40 dB 1000/1000			RBW 100 kHz VBW 300 kHz		Auto FFT			
●1Pk Max						1[1]			0.40 dBm
20 dBm						1[1]		2.402	-3.49 dBm 95000 GHz
10 dBm					M	2[1] 	I		-45.64 dBm 100000 GHz 
0 dBm									Mya
-10 dBm									- AV
-20 dBm	D1 -22.273	dBm							
-30 dBm			M4						
-40 dBm	Not war was fired on	mannet	ment markharen	numun	mar water		manterner	113 Mon <b>1</b> 04 - 14 - 14	M2
-50 dBm	1.0.00								0
-60 dBm									
-70 dBm	6.011-			1001				Otan	0.406.011-
Start 2.30 Marker	D GHZ			1001	pts			stop .	2.406 GHz
Type Re		X-value		Y-value	Func	tion	Func	tion Result	
M1 M2	1	2.4029	5 GHZ 4 GHZ	-3.49 dBr -45.64 dBr					
M3	1	2.3	9 GHz	-45.39 dBr	n				
					n				
M4 Spectrun Ref Level Att	n 27.60 dBm 40 dB	Offset 7.6	/NT 3-	-40.66 dBr DH5 248 BW 100 kHz BW 300 kHz	80MHz /		-Hoppir	ng Ref	
M4 Spectrum Ref Level	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	-Hoppir	ng Ref	
M4 Spectrum Ref Level Att SGL Count	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A		-Hoppir		-3.50 dBm 99200 GHz
M4 Spectrun Ref Level Att SGL Count • 1Pk Max	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	p-Hoppir		-3.50 dBm
M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm-	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	p-Hoppir		-3.50 dBm
M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm-	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	p-Hoppir		-3.50 dBm
M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm- 0 dBm-	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	p-Hoppir		-3.50 dBm
M4 Spectrum Ref Level Att SGL Count O dBm 10 dBm -10 dBm -10 dBm	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	p-Hoppir		-3.50 dBm
M4 Spectrum Ref Level Att SGL Count O dBm 10 dBm -10 dBm -20 dBm	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	p-Hoppir		-3.50 dBm
M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	p-Hoppir		-3.50 dBm
M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Band 27.60 dBm 40 dB	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ / Mode A	uto FFT	p-Hoppir		-3.50 dBm
M4 Spectrun Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm	Band 27.60 dBm 40 dB 100/100	Edge N\	/NT 3-	DH5 248	BOMHZ A	uto FFT	p-Hoppir	2.479	-3.50 dBm 99200 GHz
M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	Band 27.60 dBm 40 dB 100/100	Edge N\	/NT 3-	DH5 248 BW 100 kHz	BOMHZ A	uto FFT	p-Hoppir	2.479	-3.50 dBm 99200 GHz



Spectrum Ref Level 27.6 Att SGL Count 100	40 dB			BW 100 kHz BW 300 kHz		Auto FFT			
●1Pk Max									
20 dBm					M	1[1]		2.480	-2.79 dBm 05000 GHz
					M	2[1]		-	46.12 dBm
10 dBm						I	1	2.483	50000 GHz
-10 dBm									
-20 cBm									
-30 gBm	-23.502 d	Bm							
	M4								
-40 dBrpr2		1913 Jun Trun Truch	Malphanter	hummer	s-petyletrape	willing was a start	www.www.lrw.upv	hamper when	Mundavle Mar
-50 dBm	*								
-60 dBm									<b>—</b>
-70 dBm									
Start 2.476 GH Marker	z			1001	pts			Stop 2	2.576 GHz
Type   Ref   T	rc	X-value		Y-value	Funct	tion	Fund	tion Result	
M1 M2	1		15 GHz 35 GHz	-2.79 dBn -46.12 dBn					
M3	1	2	.5 GHz	-45.94 dBn	n				
M4	1	2.491	l6 GHz	-43.07 dBn	n				
Band Spectrum Ref Level 27.6 Att		Offset 7.	60 dB 👄 RB	/NT 3-D	H5 248 Mode A		Ant1 Hop	oping R	ef (₩)
Spectrum Ref Level 27.6	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT	Ant1 Hoj	oping R	
Spectrum Ref Level 27.6 Att SGL Count 800 1Pk Max	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A		Ant1 Hop		
Spectrum Ref Level 27.6 Att SGL Count 800	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT	Ant1 Hop		-3.10 dBm
Spectrum Ref Level 27.6 Att SGL Count 800 1Pk Max	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT	Ant1 Hop		-3.10 dBm
Spectrum Ref Level 27.4 Att SGL Count 800 • 1Pk Max 20 dBm 10 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT	Ant1 Hop		-3.10 dBm
Spectrum Ref Level 27.4 Att SGL Count 800 • 1Pk Max 20 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT			-3.10 dBm
Spectrum Ref Level 27.4 Att SGL Count 800 • 1Pk Max 20 dBm 10 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT	Ant1 Hop		-3.10 dBm
Spectrum           Ref Level 27.4           Att           SGL Count 800           1Pk Max           20 dBm           10 dBm           0 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT	Ant1 Hop		-3.10 dBm
Spectrum Ref Level 27.4 Att SGL Count 800 • 1Pk Max 20 dBm • 10 dBm • 0 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT	Ant1 Hop		-3.10 dBm
Spectrum           Ref Level 27.4           Att           SGL Count 800           1Pk Max           20 dBm           10 dBm           0 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT			-3.10 dBm
Spectrum           Ref Level 27.4           Att           SGL Count 800           1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT			-3.10 dBm
Spectrum           Ref Level 27.4           Att           SGL Count 800           1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT			-3.10 dBm
Spectrum           Ref Level 27.0           Att           SGL Count 800           IPK Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT	Ant1 Hop		-3.10 dBm
Spectrum           Ref Level 27.0           Att           SGL Count 800           IPk Max           20 dBm           10 dBm           0 dBm           -20 dBm           -30 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT			-3.10 dBm
Spectrum           Ref Level 27.0           Att           SGL Count 800           IPK Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT			-3.10 dBm
Spectrum           Ref Level 27.6           Att           SGL Count 800           • IPk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -60 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode A	uto FFT			-3.10 dBm
Spectrum           Ref Level 27.6           Att           SGL Count 800           IPK Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode Ar	uto FFT		2.478	-3.10 dBm
Spectrum Ref Level 27.0 Att SGL Count 800 PIPk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -70 dBm -70 dBm	50 dBm 40 dB	Offset 7.	60 dB 👄 RB	W 100 kHz	Mode Ar	uto FFT	Ant1 Hop	2.478	-3.10 dBm 97700 GHz



# Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

Spectri	um											
Ref Lev	el 27	.60 dBm	Offset	7.60 dB	RBW	100 kH:	z					
Att		40 dB	SWT 2	227.5 µs	VBW	300 kH;	z Mode	Auto FF	т			
SGL Cou	nt 10	00/1000	)									
●1Pk Ma	<											,
							M	1[1]				-2.59 dBm
20 dBm—				-	_							715000 GHz
							M	2[1]				-44.99 dBm
10 dBm—											2.483	350000 GHz
d ¹ dBm—												
-10 dBm-	_		+									
-20 dBm-	-D1	-23.10	2 dBm									
-30 dBm-	01	-20.10										
-30 uBiii-												
-40 dBm	_	M4	M3									
W-7	inm	weburn	mannyulroll	normaling	when the who	with money	Multiplemonte	norman	yme	anam Odwan	andmahard	Mydrimmund
-50 dBm-	_		-									
-60 dBm-			+	-								
-70 dBm-												
Start 2.4	176.0	H7				1001	nts				Ston	2.576 GHz
Marker	170 0	112				1001	pts				осор	2.070 0112
	Ref	Trc	X-valu		V_1	value	Func	tion	1	Eup	ction Resul	ь I
M1	NO1	1		715 GHz		2.59 dB		cion		Fun	cuon resul	۰
M2		1		835 GHz		4.99 dB						
M3		1		2.5 GHz		4.60 dB						
M4		1	2.4	912 GHz	-4	2.48 dBi	m					
		(						)	Read			6





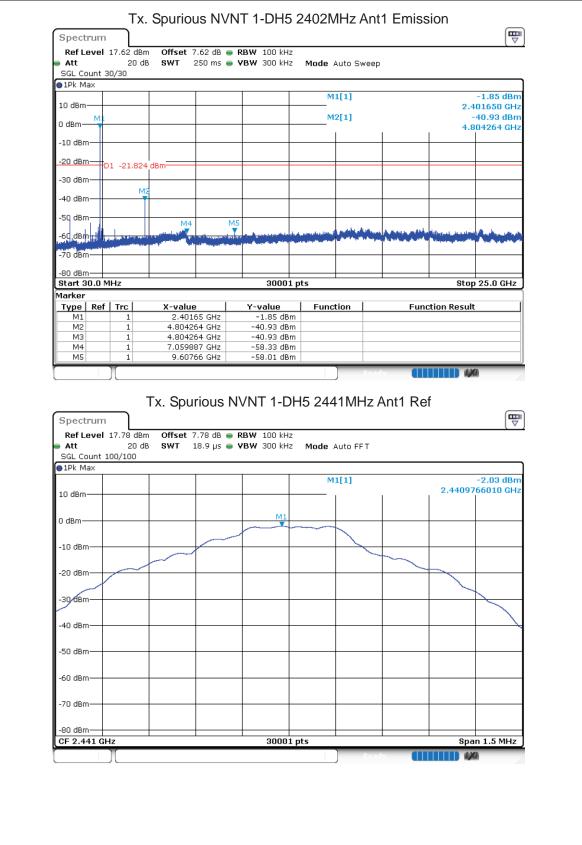
# 8.7 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant 1	-39.11	-20	Pass
NVNT	1-DH5	2441	Ant 1	-40.9	-20	Pass
NVNT	1-DH5	2480	Ant 1	-42.12	-20	Pass
NVNT	2-DH5	2402	Ant 1	-39.79	-20	Pass
NVNT	2-DH5	2441	Ant 1	-42.03	-20	Pass
NVNT	2-DH5	2480	Ant 1	-43.84	-20	Pass
NVNT	3-DH5	2402	Ant 1	-41.04	-20	Pass
NVNT	3-DH5	2441	Ant 1	-40.96	-20	Pass
NVNT	3-DH5	2480	Ant 1	-40.24	-20	Pass

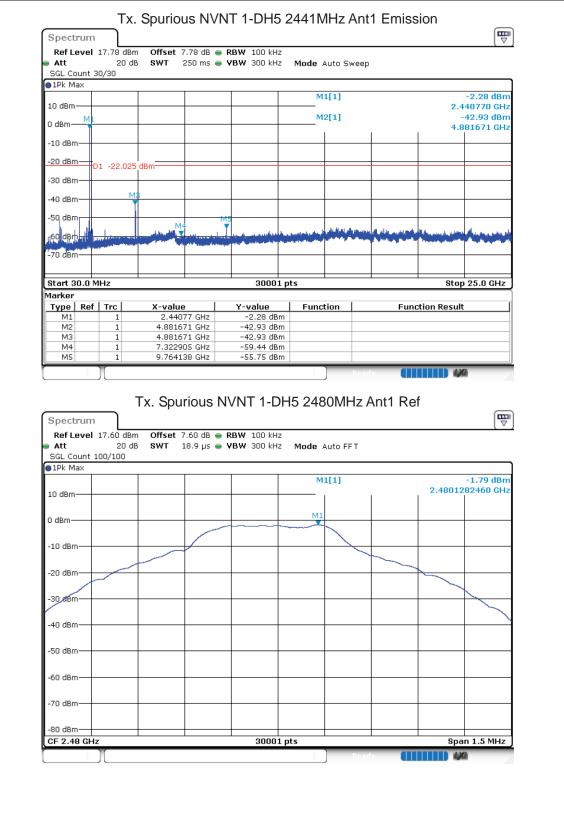
## Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



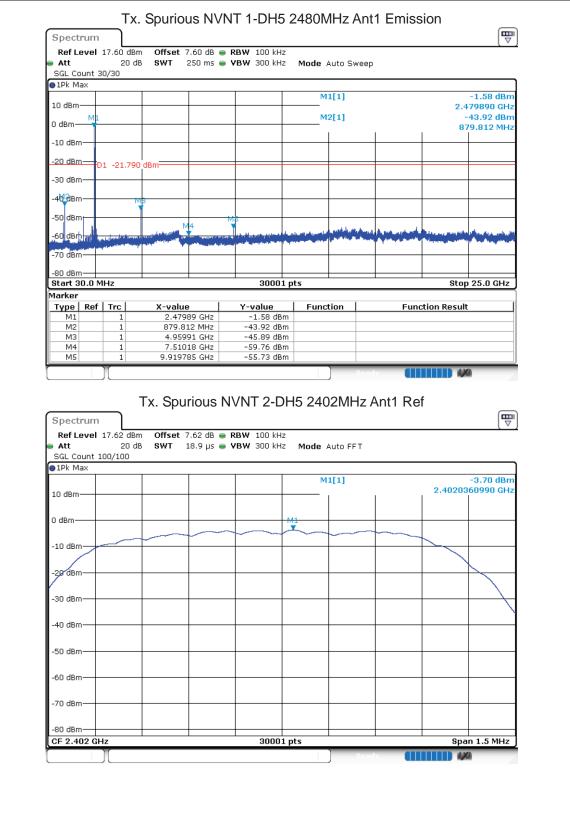












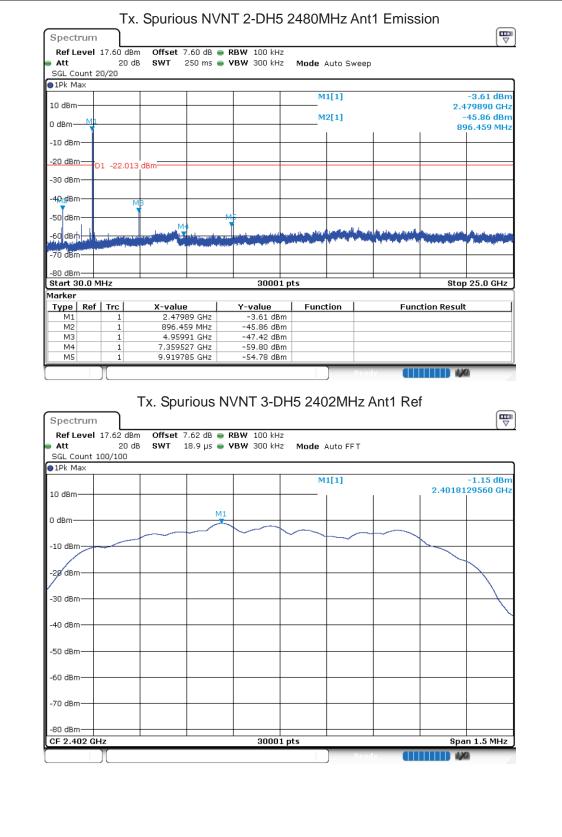


Spectrum Ref Level 17.62 d Att 20 SGL Count 30/30			lode Auto Sweep	)		♥
●1Pk Max	1 1	1				
10 dBm			M1[1]			.57 dBm 650 GHz
MI			M2[1]			.50 dBm
0 dBm				1	4.8034	432 GHz
-10 dBm						
-20 dBm						
-30 dBm	'04 dBm					
	ма					
-40 dBm	T T					
-50 dBm	M4 P	<u>M5</u>				
-6C dBm		and the second second second second	and the second		والمحاصية والمساوية	a Balatanan
-70 dBm					and the second se	al shake and t
-80 dBm Start 30.0 MHz	1 1	30001 pts	1	1	Stop 25	.0 GHz
Marker		00001 pts			0000 20	
Type Ref Trc	X-value	Y-value	Function	Fund	ction Result	
M1 1 M2 1	2.40165 GHz 4.803432 GHz	-1.57 dBm -43.50 dBm				
M3 1	4.803432 GHz	-43.50 dBm				
M4 1	7.306258 GHz	-59.30 dBm -56.58 dBm				
M5 1	9.60766 GHZ					
M5 1 Spectrum Ref Level 17.78 d		NVNT 2-DH5	2441MHz	Ant1 Re	f	
M5 1 Spectrum Ref Level 17.78 d	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re		
M5 1 Spectrum Ref Level 17.78 d Att 20 SGL Count 100/100	Tx. Spurious I	NVNT 2-DH5		Ant1 Re		.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100           1Pk Max           10 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5 1 Spectrum Ref Level 17.78 d Att 20 SGL Count 100/100 1Pk Max	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level           Ref Level         17.78 d           Att         20           SGL Count         100/100           1Pk Max         10 dBm           0 dBm         0	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100           1Pk Max           10 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level           Ref Level         17.78 d           Att         20           SGL Count         100/100           1Pk Max         10 dBm           0 dBm         0	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level           Ref Level         17.78 d           Att         20           SGL         20           O IPk Max         10           10 dBm         0           -10 dBm         -20 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level           Ref Level         17.78 d           Att         20           SGL         Count           10 dBm         0 dBm           -10 dBm         -10 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100         1Pk Max           10 dBm         0           -10 dBm         -20 dBm           -30 dBm         -30 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level           Ref Level         17.78 d           Att         20           SGL         20           O IPk Max         10           10 dBm         0           -10 dBm         -20 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100         1Pk Max           10 dBm         0           -10 dBm         -           -20 dBm         -           -30 dBm         -	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100         1Pk Max           10 dBm         0           -10 dBm         -0           -20 dBm         -30 dBm           -40 dBm         -40 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100         1Pk Max           10 dBm         0           -10 dBm         -0           -20 dBm         -30 dBm           -40 dBm         -40 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100         1Pk Max           10 dBm         0           -10 dBm         -           -30 dBm         -           -40 dBm         -           -50 dBm         -	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100         1Pk Max           10 dBm         0           -10 dBm         -0           -20 dBm         -30 dBm           -40 dBm         -50 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100         1Pk Max           10 dBm         0           0 dBm         -           -10 dBm         -           -20 dBm         -           -30 dBm         -           -50 dBm         -           -60 dBm         -           -70 dBm         -	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm
M5         1           Spectrum         Ref Level 17.78 d           Att         20           SGL Count 100/100           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3. 2.44100693	.14 dBm 500 GH2
M5         1           Ref Level         17.78 d           Att         20           SGL         Count           10 dBm         0           0 dBm         -0           -10 dBm         -0           -20 dBm         -30 dBm           -50 dBm         -60 dBm           -70 dBm         -80 dBm	Tx. Spurious I	NVNT 2-DH5	lode Auto FFT	Ant1 Re	-3.	.14 dBm 500 GH2

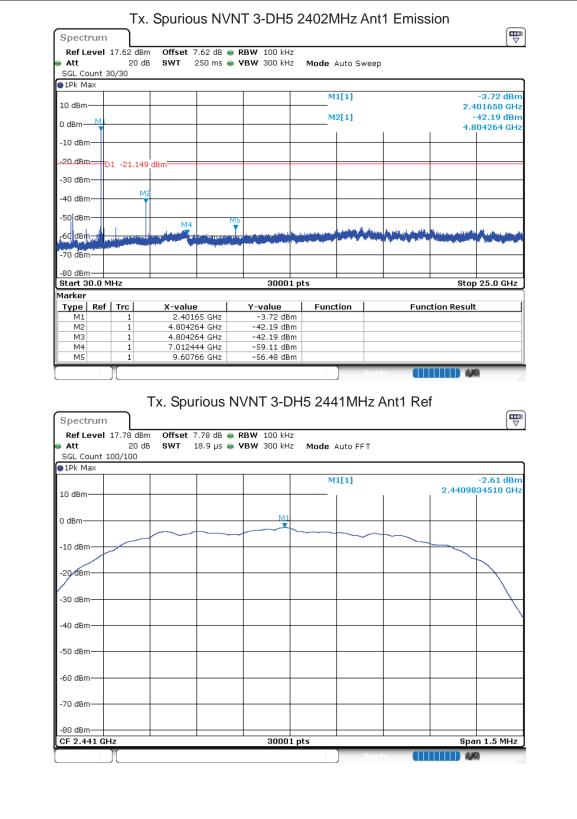


Att 20 o     SGL Count 30/30     1Pk Max	dB SWT 250 ms (	● VBW 300 kHz M0	ode Auto Swee	p		
			M1[1]			48 dBm
10 dBm			M2[1]			70 GHz 18 dBm
0 dBm ML				1		571 GHz
-10 dBm						
-20 dBm D1 -23.13	7_dBm					
-30 dBm						
-40 dBm	**************************************					
-50 dBm		MS				
-60 dBm	M					Alarma A
-70 dBm		THE REPORT OF TH				
Start 30.0 MHz Marker		30001 pts			Stop 25	.0 GHz
Type Ref Trc	X-value		Function	Fund	tion Result	
M1 1 M2 1	2.44077 GHz 4.881671 GHz	-4.48 dBm -45.18 dBm				
M3 1	4.881671 GHz	-45.18 dBm				
M4 1	7.404473 GHz 9.764138 GHz	-59.94 dBm -55.93 dBm				
M5 1						
Spectrum Ref Level 17.60 dB	Tx. Spurious		2480MHz	Ant1 Re	<b>f</b>	(The second seco
Spectrum Ref Level 17.60 dB	Tx. Spurious	<b>RBW</b> 100 kHz		Ant1 Re	f	T
Spectrum Ref Level 17.60 dB Att 20 of SGL Count 100/100 IPk Max	Tx. Spurious	<b>RBW</b> 100 kHz		Ant1 Re	-2.	01 dBm
Spectrum Ref Level 17.60 dB Att 20 d SGL Count 100/100	Tx. Spurious	<b>RBW</b> 100 kHz	ode Auto FFT	Ant1 Re		01 dBm
Spectrum Ref Level 17.60 dB Att 20 of SGL Count 100/100 IPk Max	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	<b>RBW</b> 100 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum Ref Level 17.60 dB Att 20 d SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum           Ref Level 17.60 dB           Att         20 d           SGL Count 100/100           1Pk Max           10 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum Ref Level 17.60 dB Att 20 d SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum Ref Level 17.60 dB Att 20 of SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum Ref Level 17.60 dB Att 20 of SGL Count 100/100 PIPk Max 10 dBm -10 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum Ref Level 17.60 dB Att 20 of SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum           Ref Level 17.60 dB           Att         20 d           SGL Count 100/100           • 1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum           Ref Level 17.60 dB           Att         20 d           SGL Count 100/100           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum           Ref Level 17.60 dB           Att         20 d           SGL Count 100/100           • 1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum           Ref Level 17.60 dB           Att         20 d           SGL Count 100/100           • IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum           Ref Level 17.60 dB           Att         20 d           SGL Count 100/100           • IPk Max           10 dBm           • 0 dBm           • -10 dBm           • -20 dBm           • -30 dBm           • -50 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum           Ref Level 17.60 dB           Att         20 d           SGL Count 100/100           • IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm
Spectrum           Ref Level 17.60 dB           Att         20 d           SGL Count 100/100           • IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm	Tx. Spurious m Offset 7.60 dB β SWT 18.9 μs (	RBW 100 kHz     VBW 300 kHz	ode Auto FFT	Ant1 Re	-2.	01 dBm 660 GHz

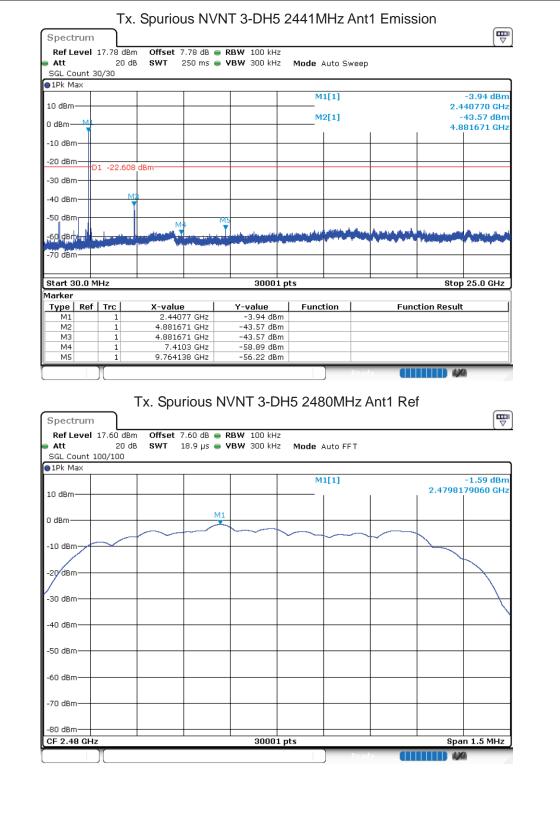




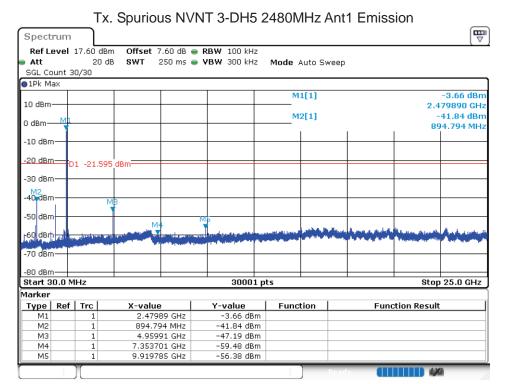












END OF REPORT