

FCC RADIO TEST REPORT FCC ID: S7A-SP95

Product: WiFi Adapter Trade Mark: SENA Model No.: SP95 Family Model: N/A Report No.: S21022300405001 Issue Date: 05 Mar. 2021

Prepared for

SENA TECHNOLOGIES.Inc

19, Heolleung-ro 569-gil, Gangnam-gu, Seoul, South Korea

Prepared by

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1 TEST RESULT CERTIFICATION

Applicant's name:	SENA TECHNOLOGIES.Inc		
Address:	19, Heolleung-ro 569-gil, Gangnam-gu,Seoul,South Korea		
Manufacturer's Name:	Sena Technologies, Inc.		
Address:	Floor 4G/4F, Science&Technology building, Maozhoushan industry park, BaoAn District, ShenZhen City, GuangDong province, China		
Product description			
Product name:	WiFi Adapter		
Model and/or type reference:	SP95		
Family Model:	N/A		

Measurement Procedure Used:

APPLICABLE STANDARDSAPPLICABLE STANDARD/TEST PROCEDURETEST RESULTFCC 47 CFR Part 2, Subpart JFCC 47 CFR Part 15, Subpart CFCC 47 CFR Part 15, Subpart CCompliedANSI C63.10-2013Complied

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	:	: 23 Feb. 2021 ~ 05 Mar. 2021	
Testing Engineer	:	12 Men lin	
		(Allen Liu)	
Technical Manager	:	Jasonchen	
		(Jason Chen)	
Authorized Signatory	:	Aller	
0,1		(Alex Li)	

NTEK北视 ACCRED Certificate #4298.01

2 SUMMARY OF TEST RESULTS

FCC Part15 (15.247), Subpart C								
Standard Section Test Item Verdict Remark								
15.207 Conducted Emission								
15.247 (a)(2) 6dB Bandwidth								
15.247 (b) Maximum Output Power								
15.209 (a)Radiated Spurious Emission15.205 (a)								
Power Spectral Density	PASS							
Band Edge Emission	PASS							
Spurious RF Conducted Emission	PASS							
Antenna Requirement	PASS							
	Test Item Conducted Emission 6dB Bandwidth Maximum Output Power Radiated Spurious Emission Power Spectral Density Band Edge Emission Spurious RF Conducted Emission	Test ItemVerdictConducted EmissionPASS6dB BandwidthPASSMaximum Output PowerPASSRadiated Spurious EmissionPASSPower Spectral DensityPASSBand Edge EmissionPASSSpurious RF Conducted EmissionPASS						

Remark:

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



3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China

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

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description			
CNAS-Lab.	The 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).		
	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(9KHz~30MHz)	±6dB
5	All emissions, radiated(30MHz~1GHz)	±2.64dB
6	All emissions, radiated(1GHz~6GHz)	±2.40dB
7	All emissions, radiated(>6GHz)	±2.52dB
8	Temperature	±0.5°C
9	Humidity	±2%

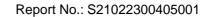
4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification					
WiFi Adapter					
SENA					
S7A-SP95					
SP95					
N/A					
N/A					
2412-2462MHz for 802.11b/g/11n(HT20);					
DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;					
11 channels for 802.11b/g/11n(HT20);					
PCB Antenna					
1.5dBi					
DC supply: DC 5V					
Adapter supply:					
EngineerMode					
802.11b:19; 802.11g:17; 802.11n HT20:17					
V1.0					
V1.0					
V1.0					

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.



Revision History							
Report No. Version Description Issued Date							
S21022300405001	Rev.01	Initial issue of report	05 Mar. 2021				





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.

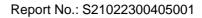
Those data rates (802.11b: 1 Mbps; 802.11g: 6 Mbps; 802.11n (HT20): MCS0; were used for all test. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The Y-plane results were found as the worst case and were shown in this report.

Frequency and Channel list for 802.11b/g/n (HT20):

Channel	Frequency(MHz)		
1	2412		
2	2417		
5	2432		
6	2437		
10	2457		
11	2462		

Note: fc=2412MHz+(k-1)×5MHz k=1 to 11





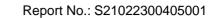
Test Items	Mode	Data Rate	Channel	Ant
AC Power Line Conducted Emissions	Normal Link	-	-	-
	11b/CCK	1 Mbps	1/6/11	1
Maximum Conducted Output	11g/BPSK	6 Mbps	1/6/11	1
Power	11n HT20	MCS0	1/6/11	1
	11b/CCK	1 Mbpo	1/6/11	
Power Spectral Density		1 Mbps		1
	11g/BPSK 11n HT20	6 Mbps MCS0	<u>1/6/11</u> 1/6/11	1
dB Spectrum Bandwidth	11b/CCK	1 Mbps	1/6/11	1
·	11g/BPSK	6 Mbps	1/6/11	1
	11n HT20	MCS0	1/6/11	1
Radiated Emissions Below 1GHz	Normal Link	-	-	-
Dedicted Emissions Above		4 Miles -		
adiated Emissions Above GHz	11b/CCK	1 Mbps	1/6/11	1
	11g/BPSK	6 Mbps	1/6/11	1
	11n HT20	MCS0	1/6/11	1
		-		
Band Edge Emissions	11b/CCK	1 Mbps	1/6/11	1
	11g/BPSK	6 Mbps	1/6/11	1
	11n HT20	MCS0	1/6/11	1

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6 SETUP OF EQUIPMENT UNDER TEST	
6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM	
For AC Conducted Emission Mode	
AC PLUG	
AE-1	
Adapter	
For Radiated Test Cases	
AC PLUG	
EUT AE-1 Adapter	
For Conducted Test Cases	
Measurement C-1 EUT	
Note: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
AE-1	Adapter	N/A	N/A	N/A	Peripherals

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".



6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

		estequipment					
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	2020.07.13	2021.07.12	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2020.07.13	2021.07.12	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	2020.04.11	2021.04.10	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2020.05.11	2021.05.10	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2020.07.13	2021.07.12	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2020.05.11	2021.05.10	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2020.07.13	2021.07.12	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2019.08.06	2022.08.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2019.08.06	2022.08.05	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2019.06.28	2022.06.27	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2020.04.11	2021.04.10	1 year
16	Filter	TRILTHIC	2400MHz	29	2020.07.13	2021.07.12	1 year
17	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:

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



AC Co	AC Conduction Test equipment						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2020.05.11	2021.05.10	1 year
2	LISN	R&S	ENV216	101313	2020.04.11	2021.04.10	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	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2021.05.10	3 year

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

7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

7.1.2 Conformance Limit

Fragueney (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

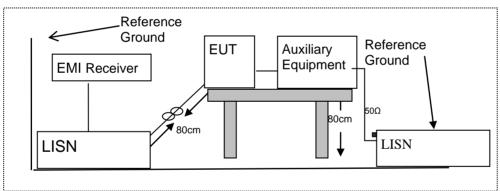
2. The lower limit shall apply at the transition frequencies

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

7.1.3 Measuring Instruments

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

7.1.4 Test Configuration



7.1.5 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.



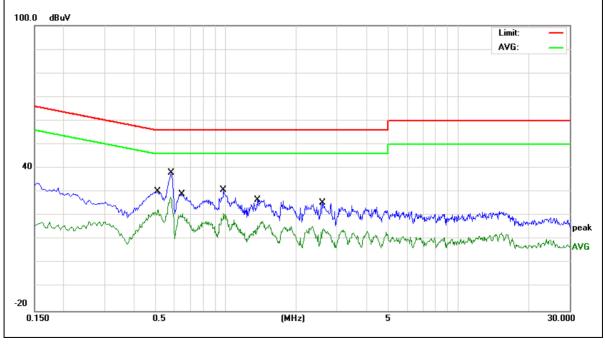
7.1.6 Test Results

EUT:	WiFi Adapter	Model Name :	SP95
Temperature:	24.1 ℃	Relative Humidity:	47%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Normal Link

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demeril
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.5100	20.70	9.55	30.25	56.00	-25.75	QP
0.5100	12.84	9.55	22.39	46.00	-23.61	AVG
0.5819	28.43	9.55	37.98	56.00	-18.02	QP
0.5819	18.41	9.55	27.96	46.00	-18.04	AVG
0.6460	19.58	9.55	29.13	56.00	-26.87	QP
0.6460	11.44	9.55	20.99	46.00	-25.01	AVG
0.9739	21.16	9.56	30.72	56.00	-25.28	QP
0.9739	11.41	9.56	20.97	46.00	-25.03	AVG
1.3740	17.03	9.56	26.59	56.00	-29.41	QP
1.3740	7.96	9.56	17.52	46.00	-28.48	AVG
2.6018	15.82	9.59	25.41	56.00	-30.59	QP
2.6018	6.06	9.59	15.65	46.00	-30.35	AVG

Remark:

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





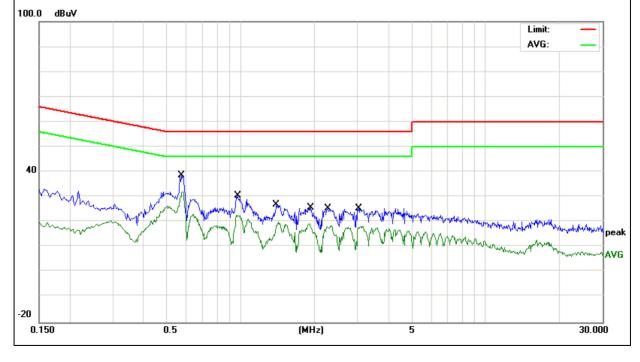
EUT:	WiFi Adapter	Model Name :	SP95
Temperature:	24.1 ℃	Relative Humidity:	47%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Normal Link

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.5738	29.04	9.54	38.58	56.00	-17.42	QP
0.5738	22.61	9.54	32.15	46.00	-13.85	AVG
0.9699	21.06	9.55	30.61	56.00	-25.39	QP
0.9699	13.25	9.55	22.80	46.00	-23.20	AVG
1.3979	17.26	9.55	26.81	56.00	-29.19	QP
1.3979	10.40	9.55	19.95	46.00	-26.05	AVG
1.9299	16.08	9.57	25.65	56.00	-30.35	QP
1.9299	9.91	9.57	19.48	46.00	-26.52	AVG
2.2780	15.78	9.57	25.35	56.00	-30.65	QP
2.2780	9.09	9.57	18.66	46.00	-27.34	AVG
3.0339	15.82	9.59	25.41	56.00	-30.59	QP
3.0339	8.75	9.59	18.34	46.00	-27.66	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.





7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

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

7.2.2 Conformance Limit

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

According to 1 00 T art 19:200, Restricted bands			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

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

Restricted Frequency(MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Measurement Distance
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)

Eroquopov(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);

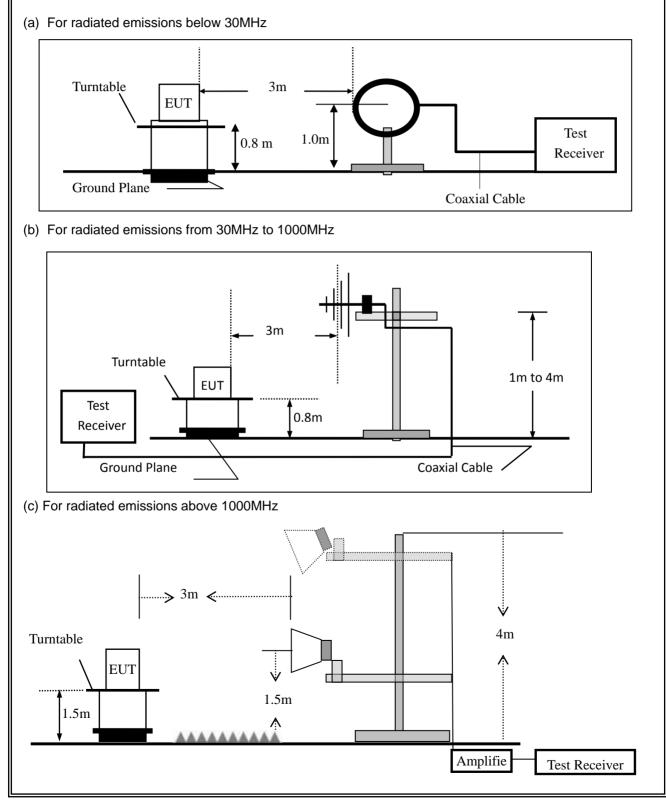
Limit line=Specific limits(dBuV) + distance extrapolation factor.



7.2.3 Measuring Instruments

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

7.2.4 Test Configuration





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
Γ	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 and frequencies above 1GHz,
- 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: For peak measurement:

Set RBW=120 kHz for f < 1 GHz; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; Set RBW = 1 MHz, VBW= 3MHz for f≥1 GHz

For average measurement:

VBW = 10 Hz, when duty cycle is no less than 98 percent.

VBW \geq 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



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

7.2.6 Test Results

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

EUT:	WiFi Adapter	Model No.:	SP95
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n(HT20)	Test By:	Allen Liu

Freq.	Ant.Pol.	Emission Level(dBuV/m)		ssion Level(dBuV/m) Limit 3m(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.



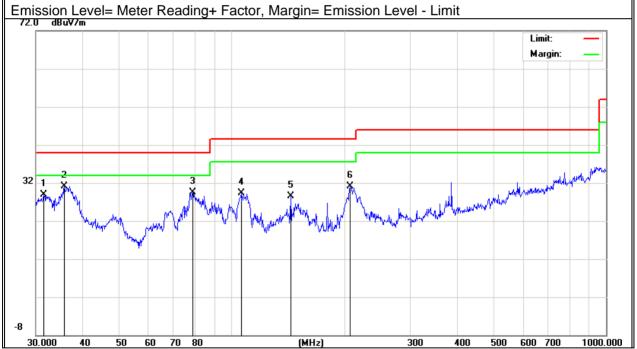
Spurious Emission below 1GHz (30MHz to 1GHz)

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

EUT:	WiFi Adapter	Model Name :	SP95
Temperature:	24.3 °C	Relative Humidity:	54%
Pressure:	1010hPa	Test Mode:	Normal Link
Test Voltage :	DC 5V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	31.5093	10.86	18.04	28.90	40.00	-11.10	QP
V	35.7490	14.94	16.19	31.13	40.00	-8.87	QP
V	78.6888	21.66	7.87	29.53	40.00	-10.47	QP
V	106.0126	18.22	11.11	29.33	43.50	-14.17	QP
V	143.8293	16.42	12.13	28.55	43.50	-14.95	QP
V	207.1226	21.30	9.86	31.16	43.50	-12.34	QP

Remark:





Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	rtomant
Н	30.3171	5.76	18.68	24.44	40.00	-15.56	QP
Н	80.0806	15.39	8.08	23.47	40.00	-16.53	QP
Н	106.3850	15.97	11.13	27.10	43.50	-16.40	QP
Н	213.7632	17.39	9.86	27.25	43.50	-16.25	QP
Н	768.7481	8.02	24.86	32.88	46.00	-13.12	QP
Н	866.0878	8.26	25.91	34.17	46.00	-11.83	QP
32	hand a second a feat of the second for the second f	2 2	3 Muummung	mahad the manual	Mar and the Marrison of	pharman	5 6 Min
8 30.000	40 50 60	70 80	(M	IHz)	300 400	500 600 70	



■ Spurious	s Emissior	n Above '	1GHz (1Gl	Hz to 25G	iHz)				
EUT:	EUT: WiFi Adapter						0,	SP95	
Temperature	e:	20 ℃			Rel	ative Humic	lity: 4	48%	
Test Mode:		802.11b/	/g/n(HT20))	Tes	st By:	/	Allen Liu	
All the modu	lation mod	des have	been teste	ed, and th	e worst res	sult was rep	ort as	below:	
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margi	n Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)		
			Low Char	nnel (2412	MHz)(802.1	1b)Above 1	G		
4824	70.67	5.21	35.59	44.30	67.17	74.00	-6.83		Vertical
4824	45.65	5.21	35.59	44.30	42.15	54.00	-11.8	5 AV	Vertical
7326	70.63	6.48	36.27	44.60	68.78	74.00	-5.22	2 Pk	Vertical
7326	48.65	6.48	36.27	44.60	46.80	54.00	-7.20) AV	Vertical
4824	70.8	5.21	35.55	44.30	67.26	74.00	-6.74	1 Pk	Horizontal
4824	49.14	5.21	35.55	44.30	45.60	54.00	-8.40) AV	Horizontal
7326	68.83	6.48	36.27	44.52	67.06	74.00	-6.94	1 Pk	Horizontal
7326	49.22	6.48	36.27	44.52	47.45	54.00	-6.55	5 AV	Horizontal
			Low Char	nnel (2437	MHz)(802.1	1b)Above 1	G		
4874	70.69	5.21	35.66	44.20	67.36	74.00	-6.64	1 Pk	Vertical
4874	49.86	5.21	35.66	44.20	46.53	54.00	-7.47	7 AV	Vertical
7311	68.55	7.10	36.50	44.43	67.72	74.00	-6.28	B Pk	Vertical
7311	48.68	7.10	36.50	44.43	47.85	54.00	-6.15	5 AV	Vertical
4874	69.2	5.21	35.66	44.20	65.87	74.00	-8.13	B Pk	Horizontal
4874	47.86	5.21	35.66	44.20	44.53	54.00	-9.47	7 AV	Horizontal
7311	70.89	7.10	36.50	44.43	70.06	74.00	-3.94	1 Pk	Horizontal
7311	45.84	7.10	36.50	44.43	45.01	54.00	-8.99	AV AV	Horizontal
			Low Char	nnel (2462	MHz)(802.1	1b)Above 1	G		
4924	68.83	5.21	35.52	44.21	65.35	74.00	-8.65	5 Pk	Vertical
4924	46.42	5.21	35.52	44.21	42.94	54.00	-11.0	6 AV	Vertical
7386	69.87	7.10	36.53	44.60	68.90	74.00	-5.10) Pk	Vertical
7386	50.31	7.10	36.53	44.60	49.34	54.00	-4.66	6 AV	Vertical
4924	70.43	5.21	35.52	44.21	66.95	74.00	-7.05	5 Pk	Horizontal
4924	46.86	5.21	35.52	44.21	43.38	54.00	-10.6	2 AV	Horizontal
7386	69.55	7.10	36.53	44.60	68.58	74.00	-5.42	2 Pk	Horizontal
7386	48.35	7.10	36.53	44.60	47.38	54.00	-6.62	2 AV	Horizontal

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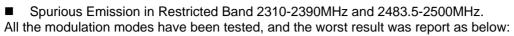
Certificate #4298.01

Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor

(2) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(3)"802.11b" mode is the worst mode. When PK value is lower than the Average value limit, average don't record.



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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	
				8	02.11b				
2310.00	69.64	2.97	27.80	43.80	56.61	74	-17.39	Pk	Horizontal
2310.00	46.17	2.97	27.80	43.80	33.14	54	-20.86	AV	Horizontal
2310.00	68.39	2.97	27.80	43.80	55.36	74	-18.64	Pk	Vertical
2310.00	45.84	2.97	27.80	43.80	32.81	54	-21.19	AV	Vertical
2390.00	70.05	3.14	27.21	43.80	56.60	74	-17.40	Pk	Vertical
2390.00	46.18	3.14	27.21	43.80	32.73	54	-21.27	AV	Vertical
2390.00	69.1	3.14	27.21	43.80	55.65	74	-18.35	Pk	Horizontal
2390.00	50.56	3.14	27.21	43.80	37.11	54	-16.89	AV	Horizontal
2483.50	70.67	3.58	27.70	44.00	57.95	74	-16.05	Pk	Vertical
2483.50	50.02	3.58	27.70	44.00	37.30	54	-16.70	AV	Vertical
2483.50	68.73	3.58	27.70	44.00	56.01	74	-17.99	Pk	Horizontal
2483.50	46.73	3.58	27.70	44.00	34.01	54	-19.99	AV	Horizontal
				8	02.11g				
2310.00	68.91	2.97	27.80	43.80	55.88	74	-18.12	Pk	Horizontal
2310.00	49.68	2.97	27.80	43.80	36.65	54	-17.35	AV	Horizontal
2310.00	70.04	2.97	27.80	43.80	57.01	74	-16.99	Pk	Vertical
2310.00	47.27	2.97	27.80	43.80	34.24	54	-19.76	AV	Vertical
2390.00	69.8	3.14	27.21	43.80	56.35	74	-17.65	Pk	Vertical
2390.00	46.16	3.14	27.21	43.80	32.71	54	-21.29	AV	Vertical
2390.00	68.09	3.14	27.21	43.80	54.64	74	-19.36	Pk	Horizontal
2390.00	47.6	3.14	27.21	43.80	34.15	54	-19.85	AV	Horizontal
2483.50	69.37	3.58	27.70	44.00	56.65	74	-17.35	Pk	Vertical
2483.50	50.49	3.58	27.70	44.00	37.77	54	-16.23	AV	Vertical
2483.50	70.05	3.58	27.70	44.00	57.33	74	-16.67	Pk	Horizontal
2483.50	50.96	3.58	27.70	44.00	38.24	54	-15.76	AV	Horizontal
				802	2.11n20				
2310.00	68.33	2.97	27.80	43.80	55.30	74	-18.70	Pk	Horizontal
2310.00	48.51	2.97	27.80	43.80	35.48	54	-18.52	AV	Horizontal
2310.00	69.34	2.97	27.80	43.80	56.31	74	-17.69	Pk	Vertical
2310.00	48.56	2.97	27.80	43.80	35.53	54	-18.47	AV	Vertical
2390.00	69.05	3.14	27.21	43.80	55.60	74	-18.40	Pk	Vertical
2390.00	46.85	3.14	27.21	43.80	33.40	54	-20.60	AV	Vertical
2390.00	68.53	3.14	27.21	43.80	55.08	74	-18.92	Pk	Horizontal
2390.00	48.54	3.14	27.21	43.80	35.09	54	-18.91	AV	Horizontal
2483.50	70.8	3.58	27.70	44.00	58.08	74	-15.92	Pk	Vertical
2483.50	45.06	3.58	27.70	44.00	32.34	54	-21.66	AV	Vertical
2483.50	70.43	3.58	27.70	44.00	57.71	74	-16.29	Pk	Horizontal
2483.50	48.63	3.58	27.70	44.00	35.91	54	-18.09	AV	Horizontal



Spurious Emission in Restricted Bands 3260MHz- 18000MHz

All the modulation modes have been tested, 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	68.76	4.04	29.57	44.70	57.67	74	-16.33	Pk	Vertical
3260	47.74	4.04	29.57	44.70	36.65	54	-17.35	AV	Vertical
3260	70.97	4.04	29.57	44.70	59.88	74	-14.12	Pk	Horizontal
3260	45.9	4.04	29.57	44.70	34.81	54	-19.19	AV	Horizontal
3332	69.22	4.26	29.87	44.40	58.95	74	-15.05	Pk	Vertical
3332	50.94	4.26	29.87	44.40	40.67	54	-13.33	AV	Vertical
3332	70.37	4.26	29.87	44.40	60.10	74	-13.90	Pk	Horizontal
3332	48.32	4.26	29.87	44.40	38.05	54	-15.95	AV	Horizontal
17797	49.08	10.99	43.95	43.50	60.52	74	-13.48	Pk	Vertical
17797	37.18	10.99	43.95	43.50	48.62	54	-5.38	AV	Vertical
17788	50.02	11.81	43.69	44.60	60.92	74	-13.08	Pk	Horizontal
17788	32.21	11.81	43.69	44.60	43.11	54	-10.89	AV	Horizontal

"802.11b" mode is the worst mode. When PK value is lower than the Average value limit, average don't record.



7.3 6DB BANDWIDTH

7.3.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.2.

7.3.2 Conformance Limit

The minimum permissible 6dB bandwidth is 500 kHz.

7.3.3 Measuring Instruments

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

7.3.4 Test Setup

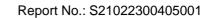
Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows Subclause 11.8 of ANSI C63.10. 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 = the frequency band of operation RBW = 100KHz VBW \ge 3*RBW Sweep = auto Detector function = peak Trace = max hold

7.3.6 Test Results

EUT:	WiFi Adapter	Model No.:	SP95
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu





7.4 DUTY CYCLE

7.4.1 Applicable Standard

According to KDB 558074 D01 15.247 Meas Guidance v05r02 Section 6.

7.4.2 Conformance Limit

No limit requirement.

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 zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW \geq OBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

The transmitter output is connected to the Spectrum Analyzer. We tested accroding to the zero-span measurement method, 6.0)b) in KDB 558074

The largest available value of RBW is 8 MHz and VBW is 50 MHz. The zero-span method of measuring duty cycle shall not be used if $T \le 6.25$ microseconds. (50/6.25 = 8)

The zero-span method was used because all measured T data are > 6.25 microseconds and both RBW and VBW are > 50/T.

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 = Zero Span RBW =10MHz(the largest available value) VBW = 10MHz (\ge RBW) Number of points in Sweep >100 Detector function = peak Trace = Clear write Measure T_{total} and T_{on} Calculate Duty Cycle = T_{on}/T_{total}



7.4.6 Test Results

EUT:	WiFi Adapter	Model No.:	SP95
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen liu



7.5 MAXIMUM OUTPUT POWER

7.5.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.3.2.3.

7.5.2 Conformance Limit

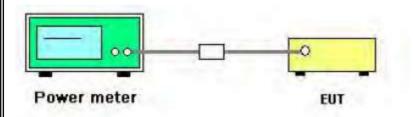
The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

7.5.3 Measuring Instruments

The following table is the setting of the power meter.

Power meter parameter	Setting
Detector	Peak

7.5.4 Test Setup



7.5.5 Test Procedure

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the *DTS bandwidth* and shall utilize a fast-responding diode detector.

7.5.6 EUT operation during Test

The EUT was programmed to be in continuously transmitting mode.

7.5.7 Test Results

EUT:	WiFi Adapter	Model No.:	SP95
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu



7.6 POWER SPECTRAL DENSITY

7.6.1 Applicable Standard

According to FCC Part 15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.4.

7.6.2 Conformance Limit

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

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 Measurement Procedure Subclause 11.10.2 of ANSI C63.10

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

a) Set analyzer center frequency to DTS channel center frequency.

- b) Set the span to 1.5 times the DTS bandwidth.
- c) Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set the VBW \geq 3 *RBW.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

7.6.6 Test Results

EUT:	WiFi Adapter	Model No.:	SP95
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu





7.7 CONDUCTED BAND EDGE MEASUREMENT

7.7.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

7.7.2 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.

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 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

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.

Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

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.

7.7.6 Test Results

EUT:	WiFi Adapter	Model No.:	SP95
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu



7.8 SPURIOUS RF CONDUCTED EMISSIONS

7.8.1 Conformance Limit

1. Below -20dB of the highest emission level in operating band.

2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

7.8.2 Measuring Instruments

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

7.8.3 Test Setup

Please refer to Section 6.1 of this test report.

7.8.4 Test Procedure

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength , and measure frequency range from 30MHz to 26.5GHz.

7.8.5 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.



7.9 ANTENNA APPLICATION

7.9.1 Antenna Requirement

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

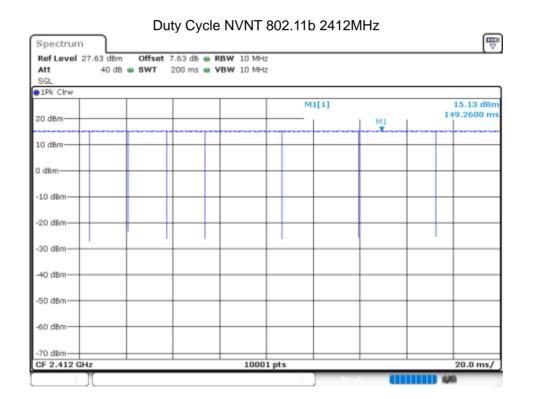
7.9.2 Result

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

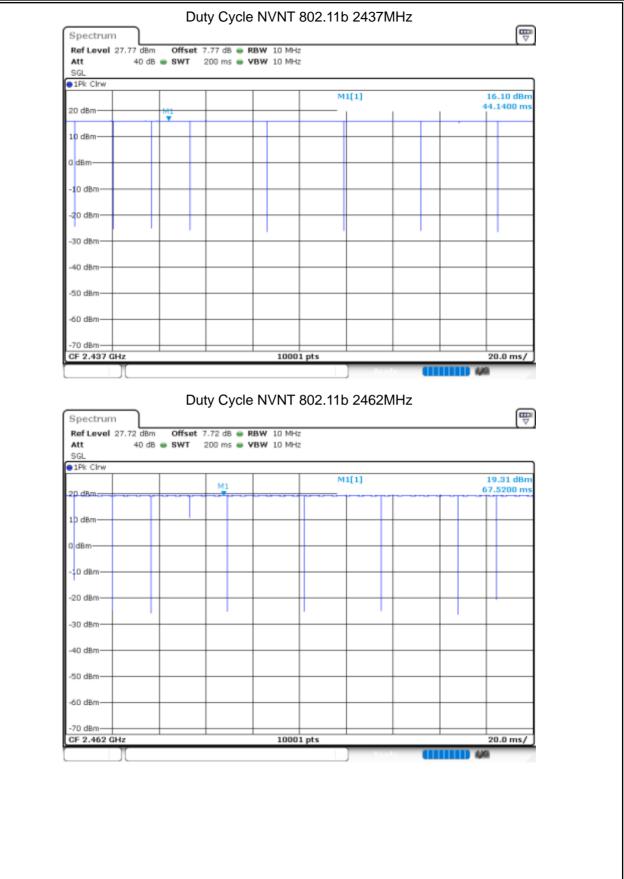
8 TEST RESULT

8.1 DUTY CYCLE

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11b	2412	100	0
NVNT	802.11b	2437	100	0
NVNT	802.11b	2462	100	0
NVNT	802.11g	2412	100	0
NVNT	802.11g	2437	100	0
NVNT	802.11g	2462	100	0
NVNT	802.11n(HT20)	2412	100	0
NVNT	802.11n(HT20)	2437	100	0
NVNT	802.11n(HT20)	2462	100	0



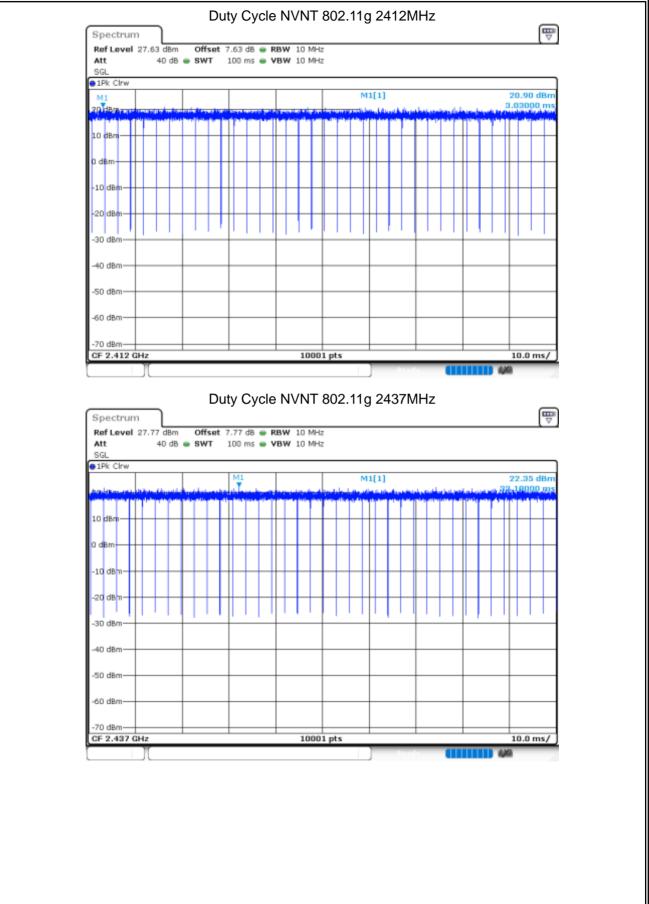




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Certificate #4298.01

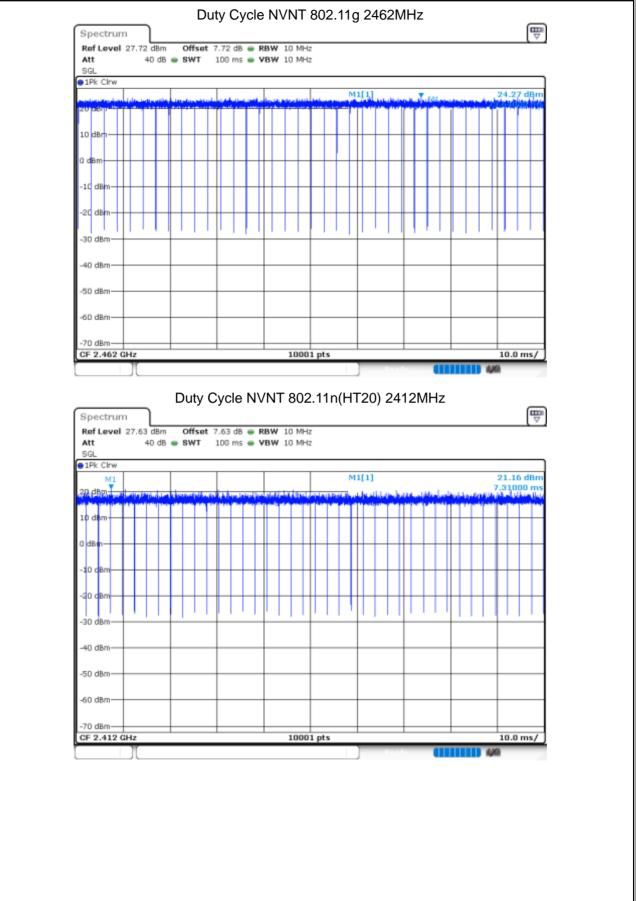




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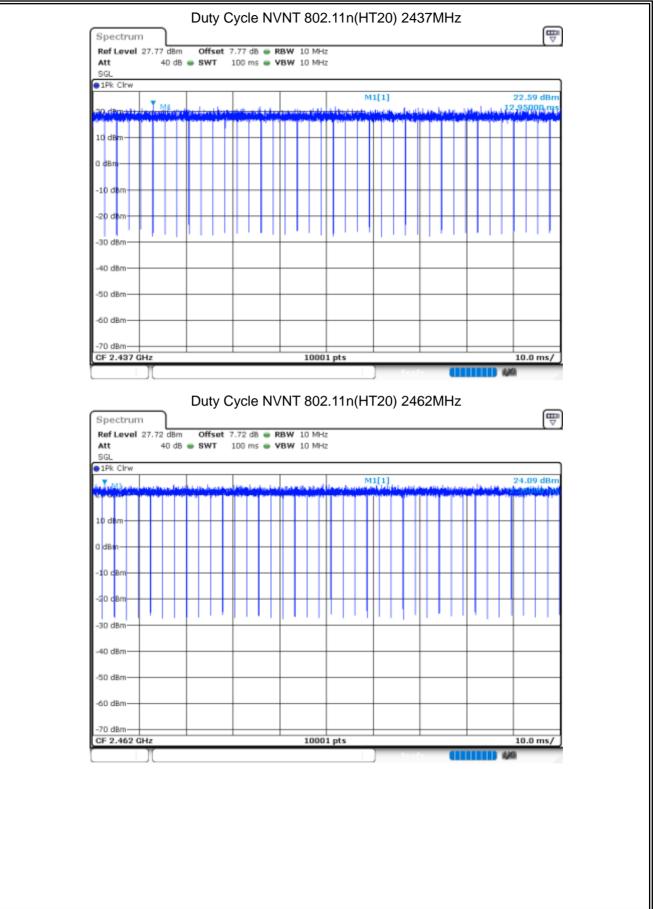
Certificate #4298.01

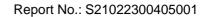




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8.2 MAXIMUM CONDUCTED OUTPUT POWER

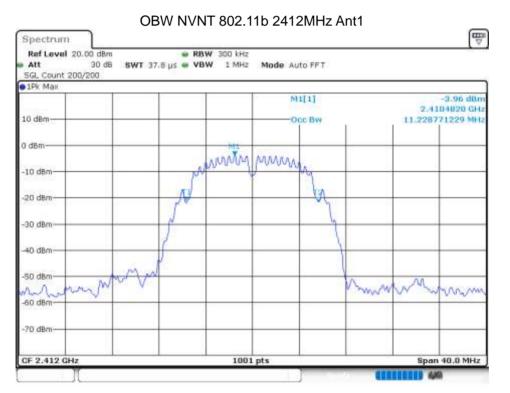
<u>8.2 IVIA</u>		IED OUIPUI	POWER					
Condition	Mode	Frequency	Antenna	Conducted	Duty	Total	Limit	Verdict
		(MHz)		Power	Factor	Power	(dBm)	
				(dBm)	(dB)	(dBm)		
NVNT	802.11b	2412	Ant 1	12.29	0	12.29	30	Pass
NVNT	802.11b	2437	Ant 1	13.66	0	13.66	30	Pass
NVNT	802.11b	2462	Ant 1	16.68	0	16.68	30	Pass
NVNT	802.11g	2412	Ant 1	12.87	0	12.87	30	Pass
NVNT	802.11g	2437	Ant 1	13.85	0	13.85	30	Pass
NVNT	802.11g	2462	Ant 1	17.15	0	17.15	30	Pass
NVNT	802.11n(HT20)	2412	Ant 1	12.31	0	12.31	30	Pass
NVNT	802.11n(HT20)	2437	Ant 1	13.34	0	13.34	30	Pass
NVNT	802.11n(HT20)	2462	Ant 1	16.66	0	16.66	30	Pass



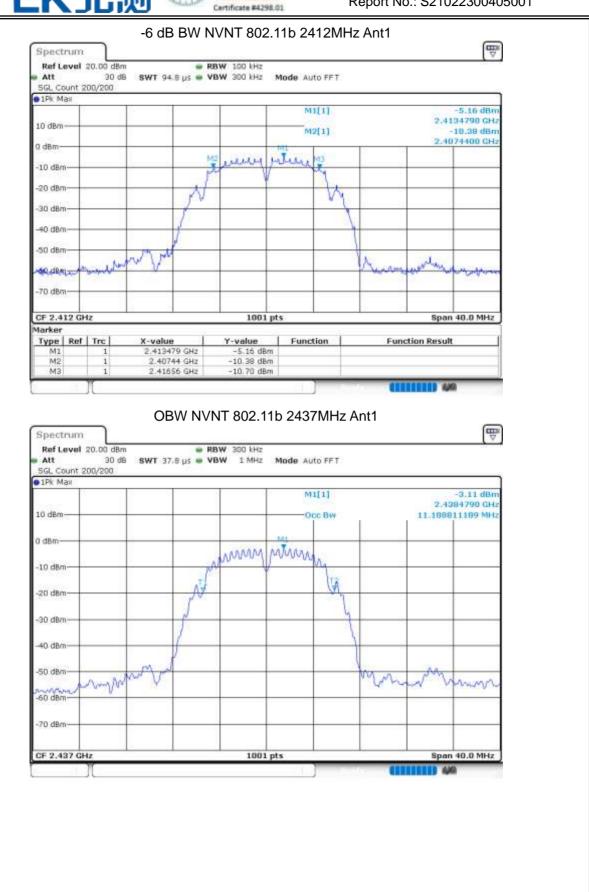
NTEK北测

8.3 OCCUPIED CHANNEL BANDWIDTH

8.3 ULL	UPIED CHANNE						
Condition	Mode	Frequency	Antenna	99%	-6 dB	Limit -6 dB	Verdict
		(MHz)		OBW	Bandwidth	Bandwidth	
				(MHz)	(MHz)	(MHz)	
NVNT	802.11b	2412	Ant 1	11.2288	9.12	0.5	Pass
NVNT	802.11b	2437	Ant 1	11.1888	9.12	0.5	Pass
NVNT	802.11b	2462	Ant 1	11.2687	9.08	0.5	Pass
NVNT	802.11g	2412	Ant 1	16.5834	16.36	0.5	Pass
NVNT	802.11g	2437	Ant 1	16.6234	16.48	0.5	Pass
NVNT	802.11g	2462	Ant 1	16.6633	16.56	0.5	Pass
NVNT	802.11n(HT20)	2412	Ant 1	17.6623	17.72	0.5	Pass
NVNT	802.11n(HT20)	2437	Ant 1	17.6224	17.24	0.5	Pass
NVNT	802.11n(HT20)	2462	Ant 1	17.6623	17.56	0.5	Pass

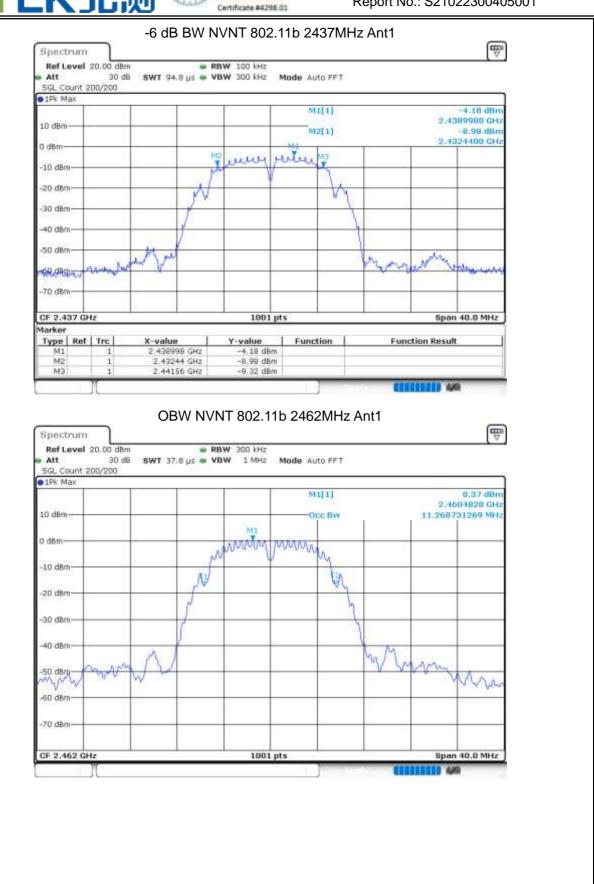






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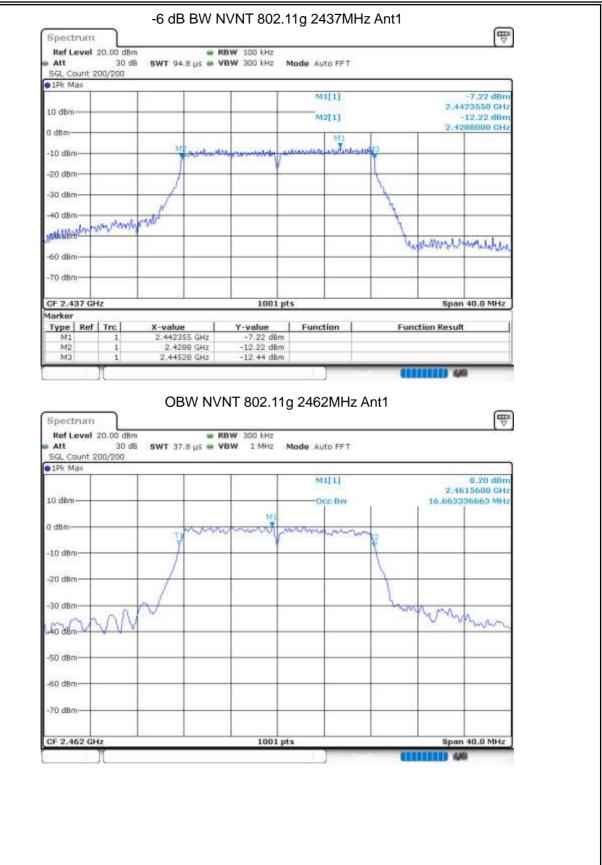
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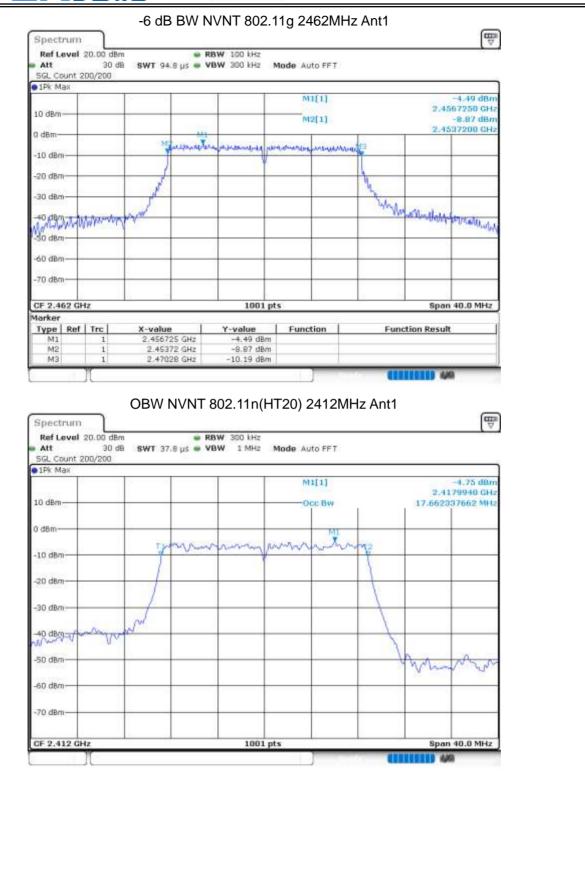
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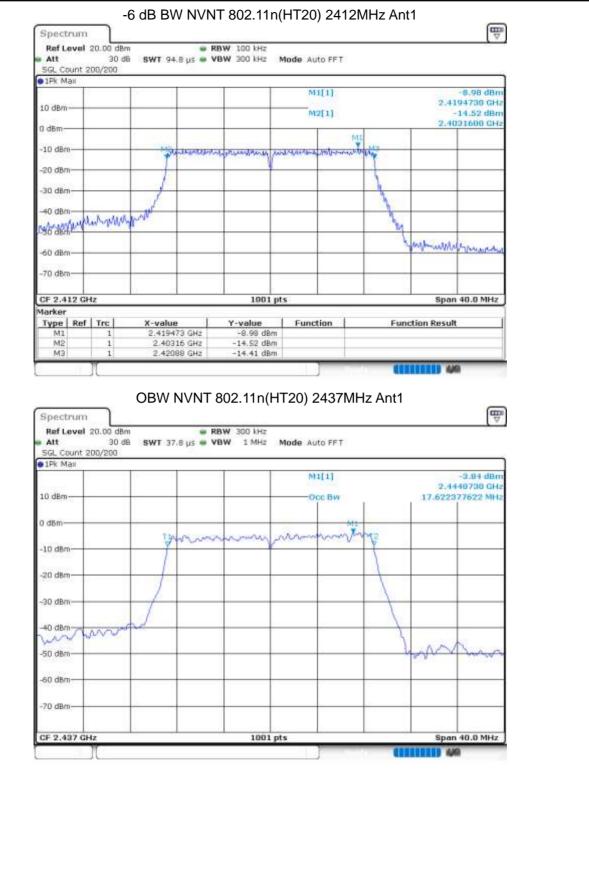
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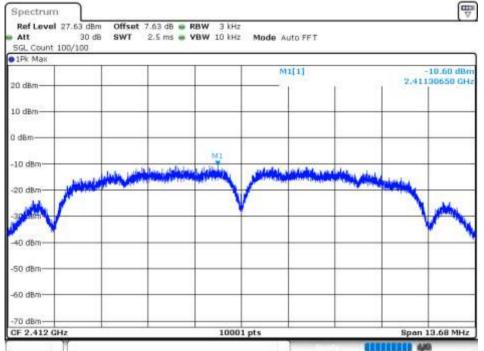


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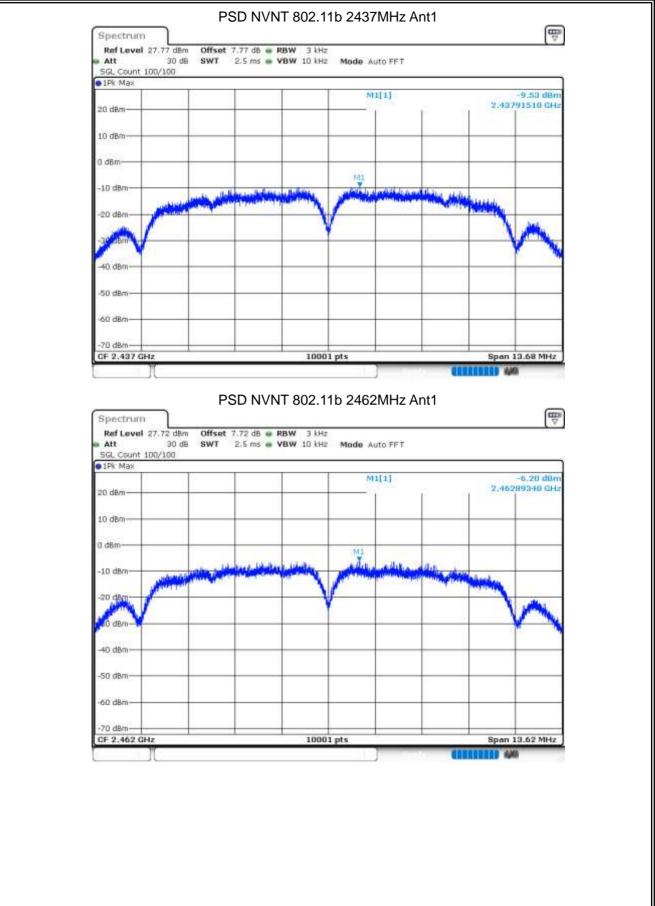
8.4 MAXIMUM POWER SPECTRAL DENSITY LEVEL

0.4 IVIA/		CURAL DEN				
Condition	Mode	Frequency	Antenna	Max PSD	Limit	Verdict
		(MHz)		(dBm/3kHz)	(dBm/3kHz)	
NVNT	802.11b	2412	Ant 1	-10.599	8	Pass
NVNT	802.11b	2437	Ant 1	-9.527	8	Pass
NVNT	802.11b	2462	Ant 1	-6.197	8	Pass
NVNT	802.11g	2412	Ant 1	-12.004	8	Pass
NVNT	802.11g	2437	Ant 1	-9.829	8	Pass
NVNT	802.11g	2462	Ant 1	-8.036	8	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-10.424	8	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-10.654	8	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-8.194	8	Pass

PSD NVNT 802.11b 2412MHz Ant1

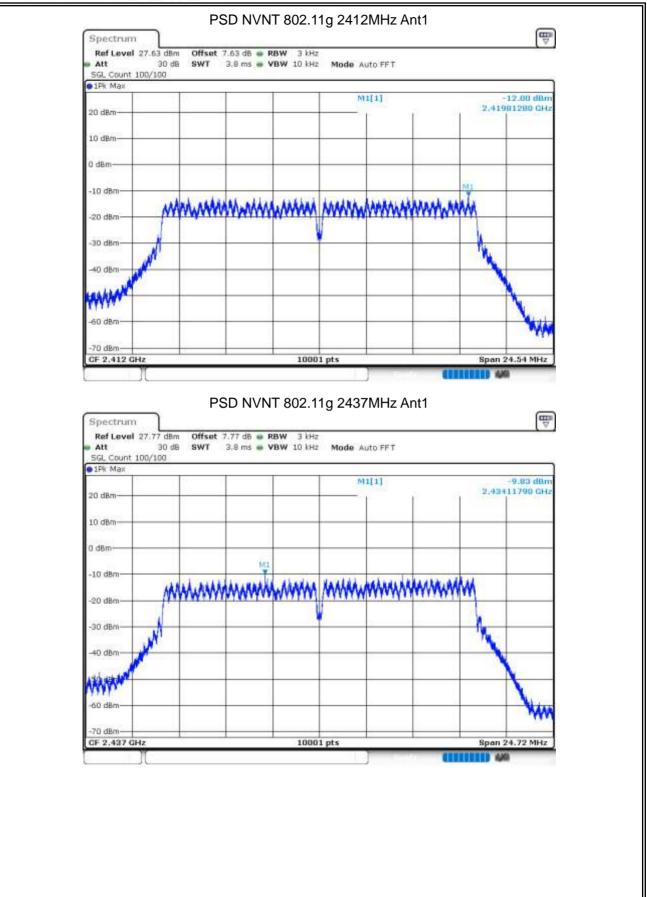






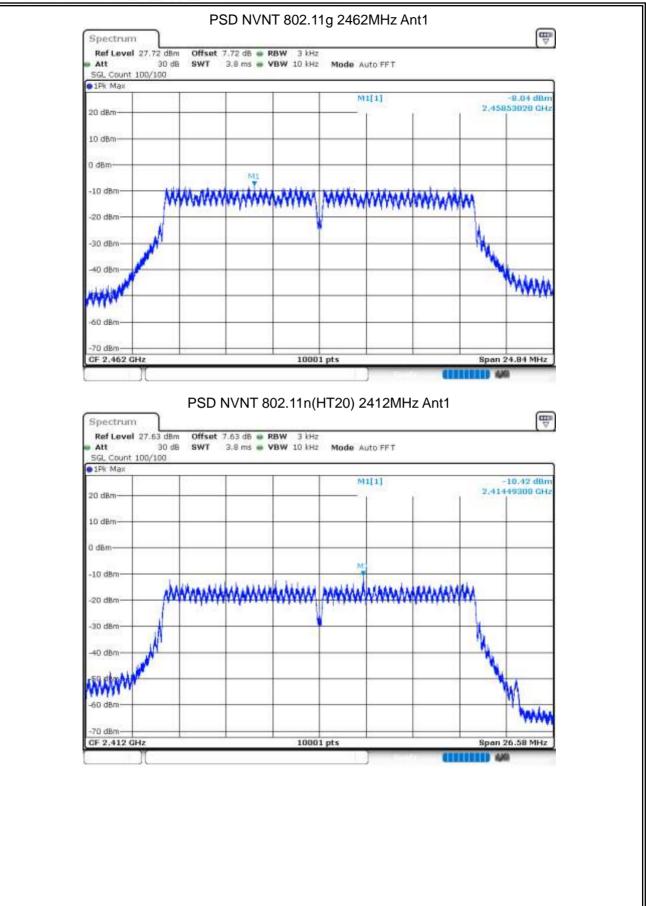
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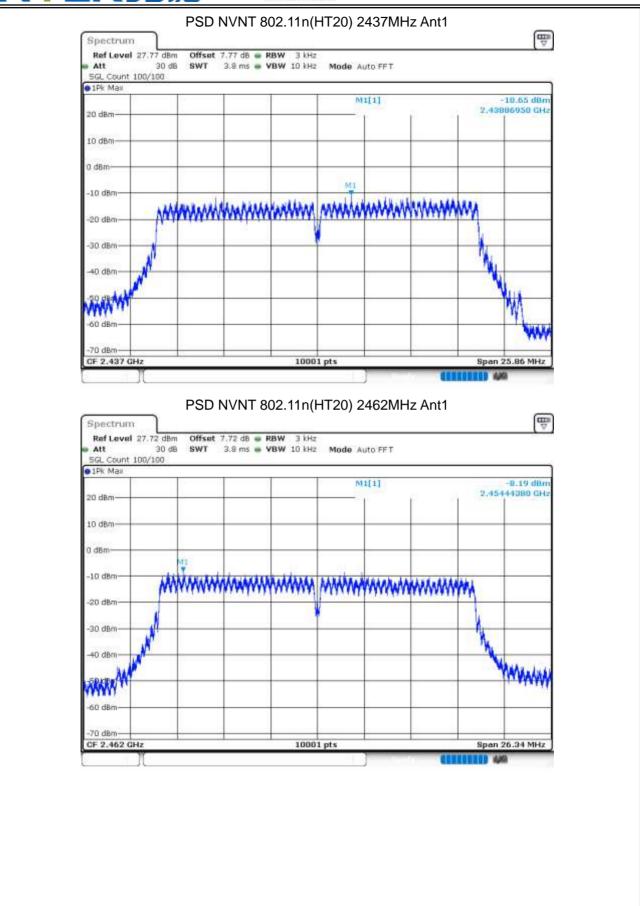
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8.5 BAND EDGE

Condition	Mode	Frequency	Antenna	Max Value	Limit	Verdict
		(MHz)		(dBc)	(dBc)	
NVNT	802.11b	2412	Ant 1	-52.26	-20	Pass
NVNT	802.11b	2462	Ant 1	-56.39	-20	Pass
NVNT	802.11g	2412	Ant 1	-42.69	-20	Pass
NVNT	802.11g	2462	Ant 1	-42.73	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-41.27	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-44.91	-20	Pass



Band Edge NVNT 802.11b 2412MHz Ant1 Ref



		30 de 00/100	SWT 2	27.5 µs 🖷	VBW 300 kHz	Mode Auto FFT		
Pk M	ах	00.0004018-02			1	M1[1]		2.48 dBm
) dBm	-		-				141	2.4109700 GHz
dBm-	-					M2[1]	1 Martin	-42.90 dBm
0 dBn	-						-	<u> </u>
0 dBn	D	1 -16.49	9 dBm		-		M	
0.000							1	
0.014240								
0 dBn	1							
0 dBn 0 dBn					MA	M3	Tura	
0 dBn 0 dBn 0 dBn 0 dBn 0 dBn	www.	underfree	at a faith a fha fha fha fha fha fha fha fha fha	mphanen		M3 white with the particular p	The	hours
0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn	HUMU.		ktranstrualteren	intraplet das nationed	episolo Arrow	with many had give	w	
0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn	www.		ktrantraltered	ingle acress		with many had give	w	Stop 2.427 GHz
0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn arker ype	.327	GHz	X-valu	e	1001 pt- Y-value	with many had give	w	Stop 2.427 GHz
0 dBn 0 dBn	.327	GHz Trc	X-valu 2,410	e 197 GHz	1001 pt 2.48 dBm	s	walky	Stop 2.427 GHz
0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn arker ype	.327	GHz	X-value 2.410	e	1001 pt- Y-value	s	walky	Stop 2.427 GHz
0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 0 dBn 1 mker M1 M2	.327	GHz Trc 1 1	X-valu 2,410 2	e 197 GHz 2.4 GHz	1001 pt 2.48 dBm -42.90 dBm	s	walky	Stop 2.427 GHz





10 dBm - M1	3 1		M1[1]			2 dBm
word have			M2[1]		2.464530	1 dBm
0 dBm				[2] [3]	2.493500	0 GHz
-10 dBm - 10 -12.30	5 d8m					
-20 dBm						
-30 dBm	1.					
2777	They mo	MA	4		-	-
-SOLIBERT-	manut	- MA	Annual Association	Anna Rasebush	testing monoral	AL. PARLON
-60 dBm						(22/2)
-70 dBm-						
-80 dBm		1001-1				
Start 2.447 GHz Marker		1001 pt	\$		Stop 2.547	GHZ
Type Ref Trc M1 1	2.46453 GHz	Y-value 6.52 dBm	Function	Fund	ion Result	
M2 1 M3 1	2.4835 GHz 2.5 GHz	-50.41 dBm -51.77 dBm				
M4 1 Spectrum Ref Level 17.63 dBn Att 30 dB				Ant1 Ref	مه ريين	œ
Spectrum Ref Level 17.63 dBr	Band Edge N	VNT 802.11 RBW 100 kHz	Mode Auto FFT	Ant1 Ref		
Spectrum Ref Level 17.63 dBn Att 30 dE SGL Count 100/100	Band Edge N	VNT 802.11 RBW 100 kHz		Ant1 Ref		/ dBm
Spectrum Ref Level 17.63 dBn Att 30 dE SGL Count 100/100 10 dBm	Band Edge N	VNT 802.11 RBW 100 kHz	Mode Auto FFT	Ant1 Ref	-1.3	/ dBm
Spectrum Ref Level 17.63 dBn Att 30 dE SGL Count 100/100 • 1Pk Max	Band Edge N	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3	/ dBm
Spectrum Ref Level 17.63 dBn Att 30 dE SGL Count 100/100 10 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3	/ dBm
Spectrum Ref Level 17.63 dBn Att 30 dE SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3	/ dBm
Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3	/ dBm
Spectrum Ref Level 17.63 dBn Att 30 dE SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3	/ dBm
Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3	/ dBm
Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 ● 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3 2.411101	7 dBm 0 GHz
Spectrum Ref Level 17.63 dBn Att 30 dE SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3	7 dBm 0 GHz
Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 ● 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3 2.411101	7 dBm 0 GHz
Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 ● 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3 2.411101	7 dBm 0 GHz
Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm -70 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3 2.411101	7 dBm 0 GHz
Spectrum Ref Level 17.63 dBm Att 30 dE 5GL Count 100/100 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -60 dBm	Band Edge N offset 7.63 dB • swr 75.9 µs •	VNT 802.11 RBW 100 kHz VBW 300 kHz	Mode Auto FFT		-1.3 2.411101	7 dBm 0 GHz



SGL Count 100/10 9 1Pk Max	0				ר
10 dBm-	1		M1[1]	-1.45 dBr 2.4182600 GH	
10302020			M2[1]	-ik7.74 dBr	TT I
0 dBm-				ALL DOUGHANT ASTRONOM	Z
-10 dBm					1
-20 dBm 01 -21	.370 dBm			1	-
-30 dBm			1781		-
-40 dBm-			the applied		
-S0 dBm	and the second second second second	And a second sec	and the second	his	4
-60 dBm	الملار وساور المرجو بالاعاد المردوس	Chronic Manager	4000 X		_
-70 dBm					
-80 dBm				1	
Start 2.327 GHz		1001 pts		Stop 2.427 GHz	
Marker Type Ref Trc	X-value	Y-value Fi	inction Fu	nction Result	
Type Ref Trc M1 1		-1.45 dBm	unction Fu	nction Result	-
	2.4 GHz	-37.74 dBm			1
M2 1	2.4 012				
M2 1 M3 1	2.39 GHz	-45.98 dBm			
M2 1 M3 1 M4 1 Spectrum 1 Ref Level 17.72 of Att 30	2.39 GHz 2.3899 GHz Band Edge N dBm Offset 7.72 dB • dB SWT 75.9 µs •	-44.06 dBm	462MHz Ant1 R	ef	1
M2 1 M3 1 M4 1 Spectrum 1 Ref Level 17.72	2.39 GHz 2.3899 GHz Band Edge N dBm Offset 7.72 dB • dB SWT 75.9 µs •	-44.06 dBm VNT 802.11g 2 RBW 100 kHz	a Auto FFT	Ū,	- -
M2 1 M3 1 M4 1 Spectrum Ref Level 17.72 c Att 30 SGL Count 100/10 P1Pk Max	2.39 GHz 2.3899 GHz Band Edge N dBm Offset 7.72 dB • dB SWT 75.9 µs •	-44.06 dBm VNT 802.11g 2 RBW 100 kHz			
M2 1 M3 1 M4 1 Spectrum Ref Level 17.72 c Att 30 SGL Count 100/10	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB SWT 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr	
M2 1 M3 1 M4 1 Spectrum Ref Level 17.72 c Att 30 SGL Count 100/10 P1Pk Max	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB SWT 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz	P Auto FFT	3.01 dBr	
M2 1 M3 1 M4 1 Spectrum Ref Level 17.72 c Att 30 SGL Count 100/10 • 1Pk Max 10 dBm 0 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr	
M2 1 M3 1 M4 1 Spectrum Ref Level 17.72 с Att 30 SGL Count 100/10 • 1Pk Max 10 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr	
M2 1 M3 1 M4 1 Spectrum Ref Level 17.72 c Att 30 SGL Count 100/10 • 1Pk Max 10 dBm 0 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr	
M2 1 M3 1 M4 1 M4 1 Spectrum Ref Level 17.72 с Att 30 SGL Count 100/10 • 1Pk Max 10 dBm -10 dBm -20 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	
M2 1 M3 1 M4 1 M4 1 Spectrum Ref Level 17.72 с Att 30 SGL Count 100/10 • 1Pk Max 10 dBm -10 dBm -20 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr	
M2 1 M3 1 M4 1 M4 1 Spectrum Ref Level 17.72 с Att 30 SGL Count 100/10 • 1Pk Max 10 dBm -10 dBm -20 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	
M2 1 M3 1 M4 1 M4 1 Spectrum Ref Level Ref Level 17.72 of Att SGL Count 100/10 I Pik Max 10 0 dBm 0 -10 dBm -0 -30 dBm -30 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	
M2 1 M3 1 M4 1 M4 1 Ref Level 17.72 of Att 30 GL Count 100/10 I Pik Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	
M2 1 M3 1 M4 1 M4 1 Spectrum Ref Level Ref Level 17.72 of Att SGL Count 100/10 I Pik Max 10 0 dBm 0 -10 dBm -0 -30 dBm -30 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB swr 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	
M2 1 M3 1 M4 1 M4 1 Spectrum Ref Level 17.72 of Att 30 SGL Count 100/10 10 ID dBm 0 0 dBm 0 -10 dBm 0 -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -60 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB SWT 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	
M2 1 M3 1 M4 1 M4 1 Spectrum Ref Level 17.72 of Att 30 SGL Count 100/10 10 Hk Max 10 dBm 0 -10 dBm -0 -20 dBm -30 dBm -30 dBm -50 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB SWT 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	
M2 1 M3 1 M4 1 M4 1 Spectrum Ref Level 17.72 of Att 30 SGL Count 100/10 10 ID dBm 0 0 dBm 0 -10 dBm 0 -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -60 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB SWT 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	
M2 1 M3 1 M4 1 Spectrum Ref Level 17.72 of Att 30 SGL Count 100/10 10 FIR Max 10 0 dBm -0 -10 dBm -0 -20 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm	2.39 GHz 2.3899 GHz Band Edge N dB offset 7.72 dB dB SWT 75.9 μs	-44.06 dBm VNT 802.11g 2 RBW 100 kHz VBW 300 kHz Mode	P Auto FFT	3.01 dBr 2.4567250 GH	



SGL Count 100/100 1Pk Max					6.6.40
10 dBmM1			M1[1]		3.24 dB/ 2.4610400 GH
Q dBm dene rear Lue as	harpersonale		M2[1]		-39.73 dBr 2.4835000 CH
-10 dBm				1	
01 16 00	is demi				
-20 dam-					
-30 dBm	Wanter and				
-40 dBm	and the				-
-50 dBm		Warmen 142	And the second second	NAME OF COMPANY	
-60 dBm			and when a surfact	New York Martin	remained when which
-70 dBm					
-80 dBm-				· · · · ·	
Start 2.447 GHz		1001 pts	1	1	Stop 2.547 GHz
Marker Type Ref Trc	X-value	Y-value	Function	Eurotio	n Result
M1 1	2,46104 GHz	3.24 dBm	Tuncau	Tunctio	II NO JURY
M2 1 M3 1	2.4835 GHz 2.5 GHz	-39.73 dBm -54.64 dBm			
M4 1	2.4835 GHz	-39.73 dBm			
Ref Level 17.63 dBn Att 30 dE SGL Count 100/100 1Pk Max			ode Auto FFT		CH1.5
Att 30 d8 SGL Count 100/100 1Pk Max			MI[1]		-0.98 dBi 2.4057360 GH
Att 30 dE SGL Count 100/100 1Pk Max 10 dBm				()	
Att 30 de SGL Count 100/100	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	Annelan	
Att 30 dE SGL Count 100/100 9 1Pk Max 10 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	remotery	
Att 30 dE SGL Count 100/100 10 dBm -10 dBm -10 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	reweitery	
Att 30 dE SGL Count 100/100 9 1Pk Max 10 dBm 0 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	reweitery	
Att 30 dE SGL Count 100/100 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	reweiery	
Att 30 dE SGL Count 100/100 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	acwarany L	
Att 30 dE SGL Count 100/100 10 dBm 0 dBm -10 dBm -20 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	rewereny	
Att 30 dE SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	reweley	2,4057360 GH
Att 30 dE SGL Count 100/100 100/100 1 Pk Max 10 dBm 0 dBm 0 -10 dBm - -20 dBm - -30 dBm - -50 dBm -	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	newerlany L	2.4057360 GH
Att 30 dE SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -20 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	oewerey t	2.4057360 GH
Att 30 dE SGL Count 100/100 100/100 1 Pk Max 10 dBm 0 dBm 0 -10 dBm - -20 dBm - -30 dBm - -50 dBm -	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	reweiteny L	2.4057360 GH
Att 30 dE SGL Count 100/100 100/100 • 1Pk Max 10 dBm 10 dBm 0 • 10 dBm - • 20 dBm - • 30 dBm - • 50 dBm - • 60 dBm -	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	newoleny t	2.4057360 GH
Att 30 dE SG_ Count 100/100 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	arwaray L	2.4057360 CH
Att 30 de SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -80 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	acwarany 1	2.4057360 GH
Att 30 de SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 dBm -80 dBm	8 SWT 75.9 µs • 1	VBW 300 kH2 M	M1[1]	orweley 1	2.4057360 CH



SGL Coun 1Pk Max	100/100							
10 dBm		(i			M1[1]		2.4	-0.85 dBm 069700 GHz
0 dBm					M2[1]		MI	-37.55 dBm 000000 GHz
						1	above styre with	Man CH2
-10 dBm								10
-20 dBm-	D1 -20.976	dBm						
-30 dBm						JE		
-40 dBm					1. A. A.	amartil		
-S0 dBm-	handren		a har a stand	well-well-well-well-well-	whitehow			Yin
-60 dBm	a a control	Wednesda	And ready and		and the second sec			
-70 d8m-	-					-		-
-80 dBm	-	· · · · · ·					2	
Start 2.32	7 GHz			1001 p	its		Stop	2.427 GHz
Marker Type R	f Trc	X-value		Y-value	Function	Fu	nction Resul	a
M1	1		97 GHz	-0.85 dBm -37.55 dBm				
M2	4	· · · · · · · · · · · · · · · · · · ·	-9-10HZ					
M2 M3 M4		2.3	.4 GH2 39 GH2 39 GH2	-44.32 dBm -42.26 dBm				10
M3 M4 Spectrue Ref Level	Ban 17.72 dBm	2.389 2.389 d Edge Offset 7.3	99 GH2 99 GH2 NVNT 8 72 dB • RI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz	HT20) 246		1 Ref	ø ₩
M3 M4	1 1 Ban 17.72 d8m 30 d8	2.389 2.389 d Edge Offset 7.3	99 GH2 99 GH2 NVNT 8 72 dB • RI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz			1 Ref	4.97 dBm
M3 M4 Spectrui Ref Level Att SGL Coun	1 1 Ban 17.72 d8m 30 d8	2.389 2.389 d Edge Offset 7.3	99 GH2 99 GH2 NVNT 8 72 dB • RI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz	HT20) 246			
M3 M4 Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm-	1 1 Ban 17.72 d8m 30 d8	2.389 2.389 d Edge Offset 7.3	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz	HT20) 246	т А. І.,	2.4	4.97 dBm
M3 M4 Spectrui Ref Level Att SGL Coun	1 1 Ban 17.72 d8m 30 d8	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246		2.4	4.97 dBm
M3 M4 Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm-	1 1 Ban 17.72 d8m 30 d8	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2.4	4.97 dBm
M3 M4 Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm	1 1 Ban 17.72 d8m 30 d8	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2.4	4.97 dBm
M3 M4 Spectrus Ref Level Att SGL Coun • 1Pk Max 10 dBm- -10 dBm- -20 dBm-	Ban 17,72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2.4	4.97 dBm
M3 M4 Spectrus Ref Level Att SGL Coun • 1Pk Max 10 dBm- -10 dBm- -20 dBm-	Ban 17,72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2,4	4.97 dBm
M3 M4 Spectrus Ref Level Att SGL Coun • 1Pk Max 10 dBm- -10 dBm- -20 dBm-	Ban 17,72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2,4	4.97 dBm 644880 GHz
M3 M4 Spectrui Ref Level Att SGL Coun • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm	Ban 17,72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2,4	4.97 dBm 644880 GHz
M3 M4 Spectrus Ref Level Att SGL Coun • 1Pk Max 10 dBm- -10 dBm- -20 dBm-	Ban 17,72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2,4	4.97 dBm 644880 GHz
M3 M4 Spectrui Ref Level Att SGL Coun • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm	Ban 17,72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2,4	4.97 dBm 644880 GHz
M3 M4 Spectrus Ref Level Att SGL Coun • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -60 dBm	Ban 17,72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2,4	4.97 dBm 644880 GHz
M3 M4 Spectrus Ref Level Att SGL Coun • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm	Ban 17,72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2,4	4.97 dBm 644880 GHz
M3 M4 Spectrum Ref Level Att SGL Coun • 1Pk Max 10 dBm • 10 dBm • 10 dBm - 20 dBm - 20 dBm - 30 dBm - 50 dBm - 60 dBm - 70 dBm	1 1 1 17.72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	+4.32 dBm +2.25 dBm 802.11n(F BW 100 kHz BW 300 kHz BW 300 kHz	HT20) 246	т А. І.,	2.4	4.97 dBm 644880 GHz
M3 M4 Spectrus Ref Level Att SGL Coun • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm	1 1 1 17.72 dBm 30 dB 100/100	2.3 2.389 d Edge Offset 7. SWT 75	39 GHz 99 GHz NVNT 8 72 db — Rt 5.9 µs — VI	-44.32 dBm -42.26 dBm 802.11n(H BW 100 kHz BW 300 kHz	HT20) 246	т А. І.,	2.4	4.97 dBm 644880 GHz



Att SGL Ci		30 dB SV			RBW 10D kHz VBW 300 kHz	Mode	Auto FFT			
1Pk M	ая	ALC: N								
9-10-1278	30 B				1	M	1[1]		121/202	3.05 dBm
10 dBm		M1					01+1			94300 GHz 40,79 dBm
0.dBm-	metro-con	marcal	-			P4	2[1]			40.79 dBm 35000 CHz
	and an an and a						1	10 - CI	2.10	GUDU GHZ
-10 dB	S				+					
		15.029 dBm	1				-			
-20 di	n.		1							
-30 AB	ni		Ville	MUMBER				· · · · · · · ·		
A.V	58 E		and	ALLAN ANY						
-40 dBr	n			1.00	-					
					1					
-50 dBr	n				- Muhmunger	The second	1000000000	a la serie	L Date State	A REAL PROPERTY.
-60 dBr	2					alter a Ma	a district a	handred	2 Marsoulun	Turne bours
-00 00:	N=1	10						1		
-70 dBr	n									
-80 dBr					1 200		t		5-316-31	
	.447 GHz				1001 p	15			Stop 2	.547 GHz
larker		Sec. 122			12411211	1 2000	<u>a a</u>			
	Ref Tr		(-value	43 GHz	Y-value 3.05 dBm	Func	tion	Func	tion Result	
		1	2,409	and the second						
M1		1	0.40	90 CH+	-40 70 dbm					
		1		35 GHz	-40.79 dBm -55.68 dBm	-				



NTEK北测

8.6 CONDUCTED RF SPURIOUS EMISSION

0.0 00						
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-49.29	-20	Pass
NVNT	802.11b	2437	Ant 1	-49.98	-20	Pass
NVNT	802.11b	2462	Ant 1	-53.4	-20	Pass
NVNT	802.11g	2412	Ant 1	-46.96	-20	Pass
NVNT	802.11g	2437	Ant 1	-46.42	-20	Pass
NVNT	802.11g	2462	Ant 1	-50.92	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-45.27	-20	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-44.71	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-48.34	-20	Pass







10 dBm			M1[1]		2.412	.90 dBm 470 GHz
0 dBm		_	M2[1]	15 51		.75 dBm 705 GHz
-10 dBm	63 dBm					
-20 dBm						
-30 dBm						
-40 dBm	NEI M4	ME		Not a sure a		C.C.C.
-50 dBm-				- Anno -		
-70 dBm						
-						
Start 30.0 MHz Marker	- 104	30001 pts	30 	2.4 2.5	Stop 2	5.0 GHz
Type Ref Trc	X-value 2,41247 GHz	Y-value F	unction	Function	on Result	
M2 1	20.111706 GHz	-45.75 dBm				
M3 1 M4 1	4.919126 GHz 7.056558 GHz	-50.26 dBm -50.16 dBm				
M5 1	9.625971 GHz	-50,44 dBm				1
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100	Bm Offset 7.77 dB	NVNT 802.11b	de Auto FFT	Ant1 Ref		Ð
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 • 1Pk Max 10 dBm	Bm Offset 7.77 dB	RBW 100 kHz	MI[1]	Ant1 Ref	2.435993	.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 IPk Max 10 dBm 0 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref		.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 1Pk Max 10 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref		.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 IPk Max 10 dBm 0 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref		.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 1D0/100 ● 1Pk Max 10 dBm -10 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref		.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref		.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 PIPK Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref	2.435993	.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 PK Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref		.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 PIPk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref	2.435993	.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 9 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -50 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref	2.435993	.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref	2.435993	.32 dBm
Spectrum Ref Level 17,77 d Att 30 SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm	Bm Offset 7.77 dB	RBW 100 kHz VBW 300 kHz Mor	MI[1]	Ant1 Ref	2.435993	.32 dBm
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 IPK Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm	Bm Offset 7.77 dB	RBW 100 kHz Mor	MI[1]	Ant1 Ref	2.435993	1.92 dBm 000 GHz
Spectrum Ref Level 17.77 d Att 30 SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm	Bm Offset 7.77 dB	RBW 100 kHz Mor	MI[1]	Ant1 Ref	2.435993	1.92 dBm 000 GHz



●1Pk Max						
10 dBm		_	M1[1]		2.34 dBm 2.436610 GHz	
0 dBm			M2[1]		-45.67 dBm	
101002000			1	12 31	19.673067 GHz	
-10 dBm	.683 dBm					
-20 dBm						
-30 dBm		_				
-#0 dBm				- MD		
-50 dBm	M3 M4	MS		and an a state	ALKAN	
Aunda una del competence			and the second			
-60 dBm						
-70 dBm						
Start 30.0 MHz	107 S.V	30001 p	ts	1.6 V.S.	Stop 25.0 GHz	
Marker Type Ref Trc	X-value	Y-value	Function	Function	Result	
M1 1	2.43661 GHz	2.34 dBm				
M2 1 M3 1	19.673067 GHz 5.062287 GHz	-45.67 dBm -50.44 dBm				
M4 1		-49.95 dBm				
		-49.71 dBm				
SGL Count 100/10	Tx. Spurious		1b 2462MH Mode Auto FFT			
Spectrum Ref Level 17.72 Att	Tx. Spurious	NVNT 802.1	Mode Auto FFT		8.0+ dBm	
Spectrum Ref Level 17.72 Att 3 5GL Count 100/10	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1		2]	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm	
Spectrum Ref Level 17.72 Att SGL Count 100/10 1Pk Max 10 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm	
Spectrum Ref Level 17.72 Att S SGL Count 100/10 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm	
Spectrum Ref Level 17.72 Att S SGL Count 100/10 • 1Pk Max 10 dBm - 10 dBm - 20 dBm - 30 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm .460494100 GHz	
Spectrum Ref Level 17.72 Att S SGL Count 100/10 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm	
Spectrum Ref Level 17.72 Att 5 SGL Count 100/10 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm .460494100 GHz	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm .460494100 GHz	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 0 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm .460494100 GHz	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -60 dBm -60 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm .460494100 GHz	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm .460494100 GHz	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -60 dBm -60 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm .460494100 GHz	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.1	Mode Auto FFT	2	8.04 dBm .460494100 GHz	
Spectrum Ref Level 17.72 Att 3 SGL Count 100/10 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -70 dBm	Tx. Spurious dBm Offset 7.72 dB 0 dB SWT 75.9 µs 0	NVNT 802.11	Mode Auto FFT	2	8.04 dBm .460494100 GHz	



1			1 1	M1[1]				6.02 dBn	
10 dBm		-		- 3.14				59928 GH	2
0 dBm		-		M2[1]				45.36 dBn 43381 CH	
-10 dBm-01 -1	1.959 dBm	-			_				-
-20 dBm-	Carrier and Carrier	_			_				-
-30 dBm-									
-40 dBm-					_				
-50 dBm-	ME	14	MS		and the	- and an	an an an	August	
-60 dem		-					-		
0424262571000						1			
-70 dBm-						1			1
Start 30.0 MHz	17	1	30001 (pts		-	Stop	25.0 GHz	-
Marker			4400 March 100 M			-			1
Type Ref Tro		992 GHz	Y-value 6.02 dBm	Function	-	Functio	n Result		1
M2 1	15.943	381 GHz	-45.36 dBm						
- Problem		563 GHz	-50.42 dBm -49.40 dBm						18
	7.00								1
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/	Tx. Spu	641 GH2	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N		1 Ref	44	I E	-
Spectrum Ref Level 17.63	Tx. Spu	641 GH2	-48.85 dBm VNT 802.1 RBW 100 kHz	1g 2412N		1 Ref		1.19 dBn	,
M5 Spectrum Ref Level 17.63 Att SGL Count 100/1/	Tx. Spu	641 GH2	-48.85 dBm VNT 802.1 RBW 100 kHz	Mode Auto		t1 Ref	2,4144		,
MS Spectrum Ref Level 17.63 Att SGL Count 100/1 • 1Pk Max	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	Ĩ	2,4144	1.19 dBn	,
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/ 1Pk Max 10 dBm 0 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz	1g 2412N Mode Auto	FFT	Ĩ	2,4144	1.19 dBn	,
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/ 1Pk Max 10 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	Ĩ	2.4144	1.19 dBn	,
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/ 1Pk Max 10 dBm 0 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	Ĩ	2.4144	1.19 dBn	,
MS 3	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	Ĩ	2,4144	1.19 dBn	,
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/ 9 IPk Max 10 dBm -10 dBm -20 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	un he		1.19 dBn	,
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/ 9 IPk Max 10 dBm -10 dBm -20 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	un he		1.19 dBn 91900 GH	
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/ 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	un he		1.19 dBn 91900 GH	
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/ 9 IPk Max 10 dBm -10 dBm -20 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	un he		1.19 dBn	
MS Spectrum Ref Level 17.63 Att SGL Count 100/1/ 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	un he		1.19 dBn 91900 GH	
М5 1 Spectrum Ref Level 17.6: Att 5GL Count 100/1/ 9 IPk Ман 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	1g 2412N Mode Auto	FFT	un he		1.19 dBn 91900 GH	
MS 1 Ref Level 17.63 Att 5GL Count 100/1/ 10 dBm 0 0 10 dBm 0 0 -10 dBm 0 0 -20 dBm 0 0 -30 dBm 0 0 -50 dBm 0 0 -60 dBm -70 dBm 0	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm	Mode Auto	FFT	un he	La Carta	1.19 dBn этэро сн Мүүү-уу	
MS 1 Spectrum Ref Level 17.63 Att SGL Count 100/1 • 1Pk Max 10 dBm • 1Pk Max 0 dBm • 0 dBm -0 dBm -10 dBm -30 dBm -30 dBm -50 dBm -50 dBm -60 dBm	Tx. Spu	гіоиз N 7.63 dB • 75.9 µs •	-48.85 dBm VNT 802.1 RBW 100 kHz VBW 300 kHz	Mode Auto	FFT	un he	La Carta	1.19 dBn 91900 GH МАлдали 30.0 MHz	



10 dBm		1		M1[1]			0.41 dBm
23.567.46825 La - L							414140 GHz
-10 dBm		-		M2[1]			-45.77 dBm 667976 CHz
A 10 Million		-					
-20 dBm	8.809 dBm						
-30 dBm-							
1222 June 177 - 17							
-40 dBm	Mg Ma	ME			Ť		a train
-50 dBm-	AND AND A		in the second				Contraction of the
-60 dem		and the second	AND ALLON A				
-70 dBm		-			-	-	
Start 30.0 MHz Marker	10		30001	pts		Sto	p 25.0 GHz
Type Ref Tro			Y-value	Function	Fu	nction Resul	t
	1 2.414 1 17.6679	114 GHz	0.41 dBm -45.77 dBm	CALLON REACTOR	3.10	A 60.080 (80000000)	55 C
		ISS GHZ	~50.32 dBm				
	and the second s	363 GHz 324 GHz	-49.98 dBm -51.04 dBm				
THO IT	1, 9.010	ALC: NOTE	91.04 0.01	-			1
SGL Count 100/1	7 dBm Offset 30 dB SWT	7.77 dB 🖷 R	BW 100 kHz	1g 2437M Mode Auto Fi		ef	E
Ref Level 17.7 Att	7 dBm Offset 30 dB SWT	7.77 dB 🖷 R	BW 100 kHz	Mode Auto Fi		ef	
Ref Level 17.7 Att SGL Count 100/1	7 dBm Offset 30 dB SWT	7.77 dB 🖷 R	BW 100 kHz			22.00 AV	1.24 dBm 737000 GHz
Ref Level 17.7 Att SGL Count 100/1 1Pk Max	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	22.00 AV	1.24 dBm
Ref Level 17.7 Att SGL Count 100/1 1Pk Max	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	22.00 AV	1.24 dBm
Ref Level 17.7 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fi	FT	22.00 AV	1.24 dBm
Ref Level 17.7 Att SGL Count 100/1 1Pk Max 10 dBm	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	22.00 AV	1.24 dBm
Ref Level 17.7 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	22.00 AV	1.24 dBm
Ref Level 17.7 Att SGL Count 100/1 1Pk Max 10 10 10 dBm 0 0 -10 dBm - -	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	22.00 AV	1.24 dBm
Ref Level 17.7 Att SGL Count 100/1 1Pk Max 10 10 10 dBm 0 0 -10 dBm - -	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	22.00 AV	1.24 dBm
Ref Level 17.7 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	2.435	1.24 dBm 737000 GHz
Ref Level 17.7 Att SGL Count 100/1 • IPk Max • • • O dBm • •	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	2.435	1.24 dBm 737000 GHz
Ref Level 17.7 Att SGL Count 100/1 1Pk Max 10 10 10 dBm 0 0 -10 dBm - -	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	2.435	1.24 dBm
Ref Level 17.7 Att SGL Count 100/1 • IPk Max • • • O dBm • •	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	2.435	1.24 dBm 737000 GHz
Ref Level 17.7 Att SGL Count 100/1 • IPk Max 10 dBm • 0 dBm - • 0 dBm - • -10 dBm - • -20 dBm - • -30 dBm - • -50 dBm - • -50 dBm -	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	2.435	1.24 dBm 737000 GHz
Ref Level 17.7 Att SGL Count 100/1 • IPk Max 10 dBm • 0 dBm - • 10 dBm - • 20 dBm - • 30 dBm - • -50 dBm -	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	2.435	1.24 dBm 737000 GHz
Ref Level 17.7 Att SGL Count 100/1 • IPk Max 10 dBm • 0 dBm - • 0 dBm - • -10 dBm - • -20 dBm - • -30 dBm - • -50 dBm - • -50 dBm -	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fl	FT	2.435	1.24 dBm 737000 GHz
Ref Level 17.7 Att SGL Count 100/1 5GL Count 100/1 100/1 10 dBm 0 0 dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm - -50 dBm - -70 dBm -	7 dBm Offset 30 dB SWT 00	7.77 dB 👄 R 75.9 µs 👄 V	BW 100 kHz BW 300 kHz	Mode Auto Fi	FT	2.435	1.24 dBm 737000 GHz



• 1Pk Max					a or da	
10 dBm			M1[1]		-0.81 dBn 2.444100 GHz	
ū dBm			M2[1]		-45.18 dBm 15.911752 GHz	
-10 dBm				3	10.011702 Gri	
-20 dBm - 01 -18.76	1 dBm					
						1
-30 dBm						1
-#0 dBm	ME M4	ME	142		- 1947	
-50 dBm	Jacob Jacob	No. of the owned	and participation of the		and stanta	
-60 dam						-
-70 dBm				-	_	
			_			
Start 30.0 MHz	-100 - 13V	30001 pts	da ba		Stop 25.0 GHz	1
Marker Type Ref Trc	X-value	Y-value F	unction	Function R	esult	1
M1 1 M2 1	2.4441 GHz 15.911752 GHz	-0.81 dBm -45.18 dBm		0.0000000000000000000000000000000000000	0.000	
	4.917461 GHz	-49.66 dBm				
M3 1						
M3 1 M4 1 M5 1	7.413629 GHz 9.79327 GHz	-49.38 dBm -50.11 dBm				
M4 1 M5 1 Spectrum Ref Level 17.72 dB Att 30 c SGL Count 100/100	9.79327 GHz Tx. Spurious N m Offset 7.72 dB	-50.11 dBm	2462MHz A de Auto FFT	nt1 Ref) 448 (₩	9
M4 1 M5 1 Spectrum Ref Level 17.72 dB Att 30 c SGL Count 100/100	9.79327 GHz Tx. Spurious N m Offset 7.72 dB	-50.11 dBm		200	5.03 dBm]
M4 1 M5 1	9.79327 GHz Tx. Spurious N m Offset 7.72 dB	-50.11 dBm	de Auto FFT	200	đ]
M4 1 M5 1 Spectrum Ref Level 17.72 dB Att 30 d SGL Count 100/100 1Pk Max 10 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	200	5.03 dBm]
M4 1 M5 1 Spectrum Image: Construction of the second	9.79327 GHz Tx. Spurious N m Offset 7.72 dB	-50.11 dBm	de Auto FFT	200	5.03 dBm]
M4 1 M5 1 Spectrum Ref Level 17.72 dB Att 30 d SGL Count 100/100 1Pk Max 10 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	200	5.03 dBm]
M4 1 M5 1 Ref Level 17.72 dB Att 30 c SGL Count 100/160 1Pk Max 10 dBm 0 dBm -10 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	200	5.03 dBm]
M4 1 M5 1 Spectrum 1 Ref Level 17.72 dB Att 30 dS SGL Count 100/100 1Pk Max 10 dBm 0 dBm 0	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBn 164483900 GHz	
M4 1 M5 1 Ref Level 17.72 dB Att 30 c SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBn 164483900 GHz	
M4 1 M5 1 Ref Level 17.72 dB Att 30 d SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBm	
M4 1 M5 1 Ref Level 17.72 dB Att 30 c SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBn 164483900 GHz	
M4 1 M5 1 Ref Level 17.72 dB Att 30 d SGL Count 100/100 1Pk Max 10 dBm 10 dBm 0 dBm -10 dBm -20 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBn 164483900 GHz	
M4 1 M5 1 Ref Level 17.72 dB Att 30 d 5GL Count 100/100 • IPk Max 10 dBm 10 dBm - -20 dBm - +0 dBm - -50 dBm -	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBn 164483900 GHz	
M4 1 M5 1 Spectrum Ref Level 17.72 dB Att 30 d SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBn 164483900 GHz	
M4 1 M5 1 Ref Level 17.72 dB Att 30 d SGL Count 100/100 • IPk Max 10 dBm • 0 dBm - -20 dBm - -30 dBm - -50 dBm -	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBn 164483900 GHz	
M4 1 M5 1 Ref Level 17.72 dB Att 30 c SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	WW 2.	5.03 dBn 164483900 GHz	
M4 1 M5 1 Ref Level 17.72 dB Att 30 dS SGL Count 10 dBm 0 0 dBm 0 -10 dBm 0 -20 dBm 0 -50 dBm -60 dBm -60 dBm -60 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	2.	5,03 dBn 164483900 GH2	
M4 1 M5 1 Ref Level 17.72 dB Att 30 c SGL Count 100/100 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm	9.79327 GHz Tx. Spurious N m Offset 7.72 dB ß SWT 75.9 µs	-50.11 dBm	de Auto FFT	2.	5.03 dBn 164483900 GHz	



SGL Count 10/10 1Pk Max									
10 dBm - M1				MI	[1]		2	5.59 dB 460750 G	
0 dBm				M2	[1]			-45.90 dB	m
-10 dBm						12 - S	10.	728271 G	12
	4.973 dBm								1
10000									
-30 dBm									
-40 dBm	. M3	M	5 M		M2	a la calca		1.1.1	<u>_</u>
-50 dBm	and the second						-	A COLOR	
-60 dBm									
-70 dBm								1	-
Start 30.0 MHz	10		3000	1 pts			Sto	p 25.0 GH	2
Marker						111-1-1-1-1			
Type Ref Tr M1		e 375 GHz	Y-value 5.59 dB	m Functi	ion	Fund	tion Resu	a	-
M2	1 16.728	271 GHz 462 GHz	-45.90 dB -50.71 dB	m					-
and the second sec	Contraction and an encodered	132 GHz	-48.89 dB	m					-
		107 CHE							
MS	1 9.945	587 GH2 S NVNT 7.63 dB — Р 75.9 µs — V	88W 100 kH	n(HT20) z z Mode A		IHz Ant1	222744	-1.12 dB	
M5 Spectrum Ref Level 17.6 Att SGL Count 100/1	1 9.945	S NVNT 7.63 dB 🖷 F	802.11r	n(HT20) z z Mode A	uto FFT	IHz Ant1	222744	07	
M5 Spectrum Ref Lovel 17.6 Att 5GL Count 100/1 • 1Pk Max	1 9.945	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		222744	-1.12 dB	
M5 Spectrum RefLevel 17.6 Att SGL Count 100/1 1Pk Max 10 dBm	1 9.945	S NVNT 7.63 dB 🖷 F	802.11r	n(HT20) ^z Mode A M1	uto FFT		222744	-1.12 dB	
M5 Spectrum RefLevel 17.6 Att 5G_Count 100/1 10k Max 10 dBm -10 dBm -10 dBm	1 9.945	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		222744	-1.12 dB	
M5 Spectrum RafLevel 17.6 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm	1 9.945	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		222744	-1.12 dB	
М5 Spectrum Raf Level 17.6 Att StL Count 100/1 10 dBm -10 dBm -20 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		222744	-1.12 dB	
М5 Spectrum Raf Level 17.6 Att StL Count 100/1 10 dBm -10 dBm -20 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		2.405	-1.12 dB	
М5 Spectrum Ref Level 17.6 Att SGL Count 100/1 10 dBm 10 dBm -10 dBm -20 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		2.405	-1.12 dB	
М5 Spectrum Raf Level 17.6 Att StL Count 100/1 10 dBm -10 dBm -20 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		2.405	-1.12 dB	
MS Spectrum Ref Level 17.6 Att SGL Count 100// 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		2.405	-1.12 dB	
MS Spectrum Ref Level 17.6 Att SGL Count 100// 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		2.405	-1.12 dB	
MS Spectrum Ref Level 17.6 Att SGL Count 100// 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		2.405	-1.12 dB	
MS Spectrum Ref Level 17.6 Att SGL Count 100/ 1Pk Max 10 dBm -0 dBm -20 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -70 dBm -70 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	n(HT20) ^z Mode A M1	uto FFT		2.405	-1.12 dB	
MS Spectrum Ref Level 17.6 Att SGL Count 100/1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	Mode A	uto FFT		2.405	-1.12 dB	
MS Spectrum Ref Level 17.6 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -80	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	Mode A	uto FFT		2.405	-1.12 dB 725200 G	
MS Spectrum Ref Level 17.6 Att SGL Count 100/ 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm -80	x. Spuriou	s NVNT 7.63 dB • F 75.9 μs • V	802.11r	Mode A	uto FFT		2.405	-1.12 dB 725200 G	



SGL Count 11 9 1Pk Max	1/10								in an an
10 dBm			-		D11	[1]		2	-2.67 dBn .417470 GH
0 dBm					MS	[1]		17	-46.39 dBn .682958 CH
-10 dBm						<u></u>	1		1
-20 d8m	-21.117	dem							
-30 dBm-	- Series	dom							
-40 dBm									
	MB	544	MS			-	Y.c. and	Terrar terra	and the second second
-50 dBm								1	-
-au dem-							-1		
-70 dBm						-			1
Start 30.0 M	Hz	10 E		3000	1 pts			St	op 25.0 GHz
Marker							114.072		
Type Ref	Trc 1	2.417	47 GH2	-2.67 dB	Funct	ion	Fund	tion Resu	R
M2	1	17.6829	58 GHz	-46.39 dB	im .				
M3 M4	1	4.7052		-50.54 dB	1000				
1.1.1					7.1.7				
Spectrum Ref Level	.7.77 dBm	Offset	5 NVNT	BW 100 kH	ר)(HT20) ב	2437N	1Hz Ant	l Ref	ø (₩
Spectrum	Tx. S	Spurious	s NVNT	802.11r	n(HT20) z z Mode A		1Hz Ant ²	100 00	-0.30 dBn
Spectrum Ref Level Att SGL Count 10	Tx. S	Spurious	5 NVNT	802.11r	n(HT20) z z Mode A	uto FFT	11 (J	100 00	
Spectrum Ref Level Att SGL Count 11 1Pk Max	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	100 00	-0.30 dBn
Spectrum Ref Level Att SGL Count 11 1PK Max 10 dBm 0 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) z z Mode A	uto FFT	ML	100 000	-0.30 dBn
Spectrum Ref Level Att SGL Count 11 1Pk Max 10 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	100 000	-0.30 dBn
Spectrum Ref Level Att SGL Count 11 1PK Max 10 dBm 0 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	100 000	-0.30 dBn
Spectrum Ref Level Att SGL Count 11 1PK Max 10 dBm -10 dBm -20 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	2.44	-0.30 dBr
Spectrum Ref Level Att SGL Count 11 1PK Max 10 dBm -10 dBm -20 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	2.44	-0.30 dBr
Spectrum Ref Level 3 Att SGL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	2.44	-0.30 dBr
Spectrum Ref Level Att 5GL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm Madda dwal	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	2.44	-0.30 dBr
Spectrum Ref Level Att SGL Count 11 1PK Max 10 dBm -10 dBm -20 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	2.44	-0.30 dBr
Spectrum Ref Level Att 5GL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm Madda dwal	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	2.44	-0.30 dBr
Spectrum Ref Level Att SGL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	2.44	-0.30 dBr
Spectrum Ref Level Att 5GL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT20) ² Mode A	uto FFT	ML	2.44	-0.30 dBr
Spectrum Ref Level Att SGL Count 11 I D dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT2O)	uto FFT	ML	2.44	-0.30 dBr 1756700 GH
Spectrum Ref Level • Att SGL Count 11 • 1Pk Max 10 dBm - 0 dBm - 10 dBm - 20 dBm - 30 dBm - 50 dBm - 50 dBm - 50 dBm - 70 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT2O)	uto FFT	ML	2.44-	-0.30 dBn
Spectrum Ref Level Att SGL Count 11 I D dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT2O)	uto FFT	ML	2.44-	-0.30 dBr 1756700 GH
Spectrum Ref Level Att SGL Count 11 I DRK Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -70 dBm	Tx. S	Spurious Offset Swr	5 NVNT 7.77 dB = F 75.9 μs = V	802.11r	n(HT2O)	uto FFT	ML	2.44-	-0.30 dBn



●1Pk Max			1 1	MI	[1]			1.60 dBm
10 dBm ML					2[1]			43270 GHz 45.02 dBm
0 dBm					4.11	15 St		48735 GHz
-10 dBm								-
-20-dBm-01 -20	0.301 dBm							
-30 dBm-					-			
-40 dBm	M3 M4	MS	11,	_	MO.			Treteri
-50 d8m-	ALL AND	at the second	adamatic	terror and		-	State State	Adapter
-60 dem		are and the second	0.000.000					
-70 dBm		-			-			
Start 30.0 MHz			30001	Lots			Stor	25.0 GHz
Marker		· · · · · · ·						
Type Ref Trc M1 1		27 GH2	Y-value 1.60 dBr	m Funct	ion	Fund	tion Result	
M2 1 M3 1			-45.02 dBr -50.59 dBr					
		and the second sec	-50.25 dBr					
M4 1								
M4 1 M5 T Spectrum Ref Level 17.72 Att SGL Count 100/10	x. Spurious	05 GH2 5 NVNT 7.72 db 🖷 F	-50,48 dBr	m (HT20) z		1Hz Ant1	Ref	
M4 1 M5 1 Spectrum Ref Level 17.72 Att	x. Spurious	05 GH2 5 NVNT 7.72 db 🖷 F	-50.48 dBr 802.11n RBW 100 kH;	n(HT20) z Mode A		1Hz Ant1	Ref	2.23 dBm
M4 1 M5 T Spectrum Ref Level 17.72 Att SGL Count 100/10	x. Spurious	05 GH2 5 NVNT 7.72 db 🖷 F	-50.48 dBr 802.11n RBW 100 kH;	n(HT20) z Mode A	uto FFT	1Hz Ant1		
M4 1 M5 1 Spectrum Ref Level 17.72 Att SGL Count 100/16 • 1Pk Max 10 dBm	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.		2.23 dBm
M4 1 M5 1 Spectrum T Ref Level 17.72 Att SGL Count 100/10 10 10 dBm 0 0 dBm 0	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	1Hz Ant1		2.23 dBm
M4 1 M5 1 Spectrum Ref Level 17.72 Att SGL Count 100/16 • 1Pk Max 10 dBm	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.		2.23 dBm
M4 1 M5 1 Spectrum T Ref Level 17.72 Att SGL Count 100/10 10 10 dBm 0 0 dBm 0	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.		2.23 dBm
M4 1 M5 1 Spectrum T Ref Level 17.72 Att SGL Count SGL Count 100/10 10 dBm 0 -10 dBm - -20 dBm -	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.	2.4569	2.23 dBm 82200 GHz
M4 1 M5 1 Spectrum T Ref Level 17.72 Att SGL Count SGL Count 100/10 10 dBm 0 -10 dBm - -20 dBm -	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.	2.4569	2.23 dBm 82200 GHz
M4 1 M5 1 Spectrum T Ref Level 17.72 Att SGL Count SGL Count 100/10 10 dBm 0 -10 dBm - -20 dBm -	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.	2.4569	2.23 dBm
M4 1 M5 1 Spectrum T Ref Level 17.72 Att SGL Count 100/10 10 10 dBm 0 -10 dBm -10 dBm	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.	2.4569	2.23 dBm 82200 GHz
M4 1 M5 1 M6 1 Spectrum Ref Level 17.73 Att SGL Count 100/10 SGL Count 100/10 10/20 10 dBm 0 -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.	2.4569	2.23 dBm 82200 GHz
M4 1 M5 1 M6 1 Spectrum Ref Level 17.72 Att SGL Count 100/10 SGL Count 100/10 178 Max 10 dBm 0 -10 dBm -20 dBm -30 dBm -30 dBm	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.	2.4569	2.23 dBm 82200 GHz
M4 1 M5 1 M6 1 Spectrum Ref Level 17.73 Att SGL Count 100/10 SGL Count 100/10 10/20 10 dBm 0 -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB	n(HT20) = Mode A	uto FFT	ř.	2.4569	2.23 dBm 82200 GHz
M4 1 M5 1 Spectrum T Ref Level 17, 73 Att SGL Count 100/10 10/10 • 1Pk Max 10 • 1Pk Max 10 • 0 dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm - -60 dBm -	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB 802.11n	n(HT20) = Mode A	uto FFT	ř.	2.4569	2.23 dBm 82200 GHz
M4 1 M5 1 Spectrum T Ref Level 17.72 Att SGL Count 100/10 10/10 10 dBm 0 0 dBm 0 -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	x. Spurious	об GH2 6 NVNT 7.72 dв — Р 75.9 µ5 — М	-50,48 dB 802.11n	n(HT2O)	uto FFT	ř.	2.456D	2.23 dBm 82200 GHz



Att SGL C		17.72 dBm			RBW 10D kHz			
SGL C		30 dB	SWT 2	21.20.005	VBW 300 kHz	Mode Auto Sw	een	
	ount 1	0/10						
1Pk N								
			2 1		1	M1[1]		3.08 dB
10 dBrt	Mit				+			2.457420 G
	1					M2[1]		-46.12 dB
0 dBm-	-							19.431690 G
-10 dBr							S 31	
10 08								
20 dBr	n - 0	1 -17.766	dBm					
	2							
30 dB/	π.							
40 dBr								
40 05	1	M	1 M	0	MS		M2	
10.40	- C	- 11 C	Contraction of the		A CONTRACTOR	in a minister	the Canada Ind	Marrielland Marrieland
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où da	n	Hz			30001 pl	s		Stop 25.0 GH
ou dBr	n n 30.0 M	Hz			30001 p	ts		Stop 25.0 GH
-50 dBr -70 dBr Start 1 Tarker	n n 30.0 M	Hz Trc	X-value		30001 p	ts Function	Func	Stop 25.0 GH
ou dBi 70 dBi Start 1 larker	n n 30.0 M		X-value 2.4574				Func	
ou de 70 de Start : tarker Type	n n 30.0 M	Trc		2 GHz	Y-value		Fund	
60 dB 70 dB Start : Iarker Type M1 M2 M3	n n 30.0 M	Trc 1	2.4574 19.4316 4.9382	2 GH2 9 GH2 7 GH2	Y-value 3.08 dBm -46.12 dBm -49.85 dBm		Func	
50 dB 70 dB Start 3 tarker Type M1 M2	n n 30.0 M	Trc 1 1	2.4574 19.4316	2 GHz 9 GHz 27 GHz 14 GHz	Y-value 3.09 dBm -46.12 dBm		Fund	

END OF REPORT